

# LUMA LIGHTING

## Photometric Toolbox

### IES FLOOD REPORT

PHOTOMETRIC FILENAME : GC301-250W-P540-D1-PCD-HK.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB] Standard-Tech Co. Ltd

[TESTDATE] 2016-12-23

[ISSUEDATE] 2016-12-23 14:20:20

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] LumEfficient.com

[LUMINAIRE] GC301-250W-P540-D1-PCD-HK

[OTHER] 120-277Vac ( Tested in 120Vac)

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
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[OTHER]	0- 10	1024.04	1024.04	3.12	3.12
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[OTHER]	10- 20	2931.31	3955.35	12.04	12.04
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[OTHER]	20- 30	4430.33	8385.68	25.53	25.53
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[OTHER]	30- 40	5316.34	13702.02	41.71	41.71
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[OTHER]	40- 50	5510.79	19212.81	58.49	58.49
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[OTHER]	50- 60	5040.35	24253.16	73.83	73.83
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[OTHER]	60- 70	4070.27	28323.43	86.22	86.22
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[OTHER]	70- 80	2845.91	31169.34	94.88	94.88
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[OTHER]	80- 90	1478.69	32648.03	99.39	99.39
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[OTHER]	90-100	103.79	32751.82	99.70	99.70
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[OTHER]	100-110	37.91	32789.73	99.82	99.82
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[OTHER]	110-120	22.79	32812.52	99.89	99.89
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[OTHER]	120-130	9.96	32822.47	99.92	99.92
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[OTHER]	130-140	8.44	32830.92	99.94	99.94
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[OTHER]	140-150	7.55	32838.47	99.96	99.96
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[OTHER]	150-160	5.96	32844.43	99.98	99.98
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[OTHER]	160-170	4.06	32848.49	100.00	100.00
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[OTHER]	170-180	1.49	32849.99	100.00	100.00
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[OTHER]

Note: Candela values converted from Type-C to Type-B

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**CHARACTERISTICS**

NEMA Type	7 H x 7 V
Maximum Candela	10863.48
Maximum Candela Angle	1H 3V
Horizontal Beam Angle (50%)	112.7
Vertical Beam Angle (50%)	112.3
Horizontal Field Angle (10%)	173.9
Vertical Field Angle (10%)	173.4
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	22325
Beam Efficiency	N.A.
Field Lumens	32231
Field Efficiency	N.A.
Spill Lumens	347
Luminaire Lumens	32578
Total Efficiency	N.A.
Total Luminaire Watts	264.8
Ballast Factor	1.00

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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	582.93	90	590.42
85	1365.13	85	1426.77
75	2638.92	75	2723.89
65	4022.44	65	4159.02
55	5565.15	55	5703.53
47.5	6693.75	47.5	6845.57
42.5	7417.21	42.5	7538.92
37.5	8088.26	37.5	8231.61
33	8657.05	33	8785.99
29	9130.28	29	9246.63
25.5	9516.81	25.5	9600.84
22.5	9769.21	22.5	9872.17
19.5	10046.8	19.5	10104.55
17	10225.32	17	10323.96
15	10339.78	15	10409.36
13	10442.73	13	10534.4
11	10551.2	11	10620.58
9	10628.99	9	10739.84
7	10721.78	7	10759.47
5	10781.45	5	10722.2
3	10816.68	3	10837.38
1	10821.34	1	10843.12
0	10842.56	0	10842.56
-1	10799.22	-1	10794.64
-3	10834.29	-3	10777.38
-5	10788.84	-5	10755.63
-7	10741.7	-7	10684.31
-9	10649.52	-9	10589.05
-11	10585.05	-11	10520.91
-13	10497.38	-13	10424.61
-15	10384.72	-15	10314.74
-17	10261.01	-17	10195.13
-19.5	10135.32	-19.5	9989.98
-22.5	9871.04	-22.5	9738.13
-25.5	9614.29	-25.5	9468.5
-29	9270	-29	9095.56
-33	8798.06	-33	8654.41
-37.5	8255.41	-37.5	8073.01
-42.5	7591.35	-42.5	7396.41
-47.5	6863.77	-47.5	6654.88
-55	5702.46	-55	5507.53
-65	4193.77	-65	4017
-75	2754.46	-75	2621.09
-85	1422.52	-85	1299.79
-90	640.78	-90	519.64

**IES FLOOD REPORT****PHOTOMETRIC FILENAME : GC301-250W-P540-D1-PCD-HK.IES****CANDELA TABULATION**

Maximum Candela = 10863.48

Beam Edge = 5431.74 Cd (50% of Max.)

Field Edge = 1086.348 Cd (10% of Max.)

\* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-85.0</u>	<u>-75.0</u>	<u>-65.0</u>	<u>-55.0</u>	<u>-47.5</u>	<u>-42.5</u>	<u>-37.5</u>	<u>-33.0</u>	<u>-29.0</u>
90.0	639.22	637.98	635.51	633.13	631.03	629.43	622.47	609.60	598.01	587.71
85.0	639.35	706.20	841.65	973.14	1085.47	1168.20 *	1218.08 *	1266.62 *	1297.18 *	1326.09 *
75.0	639.62	840.92	1238.71 *	1629.12 *	1919.83 *	2112.85 *	2233.42 *	2328.22 *	2412.56 *	2479.83 *
65.0	639.88	968.72	1618.73 *	2135.45 *	2613.93 *	2960.09 *	3183.51 *	3383.56 *	3541.26 *	3674.73 *
55.0	640.11	1081.59	1917.70 *	2611.66 *	3324.79 *	3864.88 *	4206.53 *	4506.50 *	4779.71 *	4976.78 *
47.5	640.27	1161.87 *	2105.11 *	2953.70 *	3853.48 *	4521.37 *	4957.17 *	5348.40 *	5673.07 *	5933.02 *
42.5	640.37	1211.25 *	2223.29 *	3174.95 *	4190.36 *	4946.17 *	5443.35 *	5883.37 *	6258.96 *	6552.29 *
37.5	640.45	1261.74 *	2329.78 *	3381.83 *	4504.33 *	5345.47 *	5881.53 *	6367.54 *	6790.32 *	7115.53 *
33.0	640.53	1292.88 *	2420.20 *	3552.56 *	4759.59 *	5670.70 *	6234.96 *	6783.93 *	7229.97 *	7582.00 *
29.0	640.58	1322.06 *	2492.64 *	3693.96 *	4963.30 *	5937.64 *	6538.32 *	7108.14 *	7569.49 *	7967.62 *
25.5	640.62	1344.71 *	2550.04 *	3801.86 *	5129.39 *	6118.86 *	6776.79 *	7351.06 *	7860.64 *	8253.49 *
22.5	640.66	1361.92 *	2594.51 *	3883.72 *	5263.50 *	6285.50 *	6992.17 *	7545.85 *	8057.18 *	8494.05 *
19.5	640.69	1377.04 *	2633.91 *	3956.12 *	5370.68 *	6430.05 *	7100.71 *	7733.05 *	8247.71 *	8675.38 *
17.0	640.71	1388.03 *	2662.33 *	4010.71 *	5451.79 *	6534.29 *	7218.13 *	7862.44 *	8383.21 *	8791.55 *
15.0	640.72	1395.75 *	2682.39 *	4049.65 *	5511.99 *	6603.43 *	7292.03 *	7945.99 *	8485.27 *	8924.30 *
13.0	640.74	1402.50 *	2700.02 *	4084.79 *	5569.59 *	6669.52 *	7362.24 *	8022.19 *	8573.78 *	9033.96 *
11.0	640.75	1423.19 *	2715.21 *	4115.16 *	5608.20 *	6732.49 *	7417.08 *	8090.60 *	8635.14 *	9103.34 *
9.0	640.76	1423.07 *	2727.94 *	4140.69 *	5642.32 *	6784.48 *	7476.19 *	8147.56 *	8693.52 *	9150.05 *
7.0	640.77	1422.95 *	2738.20 *	4161.28 *	5668.74 *	6822.14 *	7525.21 *	8198.72 *	8730.73 *	9196.83 *
5.0	640.77	1422.83 *	2753.78 *	4176.89 *	5687.56 *	6845.72 *	7558.02 *	8224.38 *	8764.39 *	9237.90 *
3.0	640.77	1422.70 *	2754.05 *	4193.23 *	5706.89 *	6859.69 *	7579.64 *	8245.44 *	8786.56 *	9262.76 *
1.0	640.78	1422.58 *	2754.32 *	4193.59 *	5703.94 *	6864.56 *	7590.18 *	8254.98 *	8798.57 *	9273.48 *
0.0	640.78	1422.52 *	2754.46 *	4193.77 *	5702.46 *	6863.77 *	7591.35 *	8255.41 *	8798.06 *	9270.00 *
-1.0	640.78	1422.52 *	2754.08 *	4193.20 *	5701.74 *	6861.09 *	7590.36 *	8252.76 *	8798.74 *	9267.29 *
-3.0	640.77	1422.27 *	2753.33 *	4192.07 *	5700.29 *	6849.33 *	7580.28 *	8238.64 *	8786.31 *	9245.07 *
-5.0	640.77	1422.10 *	2752.57 *	4175.07 *	5676.54 *	6828.60 *	7559.45 *	8212.59 *	8761.75 *	9211.06 *
-7.0	640.77	1421.93 *	2736.63 *	4158.86 *	5653.28 *	6798.47 *	7527.93 *	8181.45 *	8722.45 *	9164.65 *
-9.0	640.76	1421.76 *	2726.02 *	4137.79 *	5622.41 *	6754.97 *	7474.05 *	8125.04 *	8676.52 *	9108.14 *
-11.0	640.75	1421.59 *	2713.02 *	4111.97 *	5583.79 *	6698.31 *	7404.61 *	8062.71 *	8593.21 *	9037.88 *
-13.0	640.74	1400.67 *	2697.65 *	4081.49 *	5540.68 *	6631.73 *	7336.31 *	7997.71 *	8514.13 *	8968.71 *
-15.0	640.72	1393.67 *	2679.95 *	4046.46 *	5483.26 *	6564.59 *	7275.60 *	7933.46 *	8444.87 *	8876.09 *
-17.0	640.71	1385.72 *	2659.94 *	4007.12 *	5424.75 *	6497.34 *	7206.32 *	7847.78 *	8338.39 *	8751.96 *
-19.5	640.69	1374.45 *	2631.77 *	3951.31 *	5343.05 *	6400.49 *	7066.85 *	7719.06 *	8178.81 *	8579.06 *
-22.5	640.66	1359.02 *	2591.67 *	3877.12 *	5228.52 *	6267.91 *	6904.48 *	7522.43 *	7973.67 *	8368.55 *
-25.5	640.63	1341.54 *	2545.14 *	3796.02 *	5091.72 *	6109.62 *	6686.26 *	7284.06 *	7775.00 *	8118.12 *
-29.0	640.58	1318.63 *	2484.59 *	3687.09 *	4934.86 *	5881.66 *	6458.34 *	7021.74 *	7468.27 *	7835.17 *
-33.0	640.53	1289.22 *	2412.24 *	3541.91 *	4711.67 *	5585.35 *	6173.64 *	6651.87 *	7117.06 *	7422.04 *
-37.5	640.46	1257.89 *	2322.57 *	3378.39 *	4463.79 *	5272.66 *	5778.63 *	6269.25 *	6626.52 *	6966.73 *
-42.5	640.37	1207.11 *	2212.73 *	3176.22 *	4159.99 *	4867.48 *	5349.53 *	5753.65 *	6120.60 *	6403.90 *
-47.5	640.27	1157.47 *	2096.08 *	2960.46 *	3822.15 *	4443.25 *	4844.51 *	5224.15 *	5531.15 *	5807.14 *
-55.0	640.11	1076.86	1903.91 *	2604.00 *	3306.19 *	3798.14 *	4107.69 *	4398.23 *	4639.45 *	4856.62 *
-65.0	639.88	963.40	1591.64 *	2115.16 *	2579.73 *	2915.81 *	3126.12 *	3319.20 *	3475.09 *	3606.20 *
-75.0	639.62	835.94	1220.66 *	1581.81 *	1876.87 *	2051.51 *	2161.16 *	2268.33 *	2351.46 *	2418.50 *
-85.0	639.36	701.63	826.24	941.59	1037.59	1105.44 *	1145.62 *	1187.18 *	1213.94 *	1240.29 *
-90.0	639.22	633.59	622.32	609.68	592.92	580.33	566.95	548.59	532.07	517.39

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	578.69	570.96	573.57	575.74	577.48	579.21	580.94	582.67	584.39	586.12

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## CANDELA TABULATION - (Cont.)

85.0	1348.44	* 1365.26	* 1381.37	* 1392.90	* 1400.89	* 1407.80	* 1429.23	* 1428.78	* 1428.33	* 1427.89	*
75.0	2532.84	* 2572.78	* 2610.03	* 2638.32	* 2658.08	* 2675.27	* 2689.87	* 2701.88	* 2711.30	* 2726.17	*
65.0	3781.72	* 3865.51	* 3935.14	* 3990.45	* 4029.19	* 4063.04	* 4091.75	* 4115.33	* 4133.81	* 4147.23	*
55.0	5124.30	* 5248.66	* 5356.72	* 5439.06	* 5500.84	* 5560.05	* 5602.66	* 5639.71	* 5667.99	* 5687.86	*
47.5	6138.82	* 6286.86	* 6410.29	* 6501.89	* 6582.42	* 6651.20	* 6706.77	* 6752.97	* 6791.06	* 6819.92	*
42.5	6767.47	* 6957.75	* 7114.68	* 7203.99	* 7285.10	* 7376.62	* 7422.71	* 7469.64	* 7505.49	* 7528.98	*
37.5	7359.91	* 7565.26	* 7746.39	* 7863.25	* 7941.47	* 8008.70	* 8072.81	* 8128.03	* 8177.21	* 8201.27	*
33.0	7870.07	* 8062.78	* 8245.43	* 8367.77	* 8464.85	* 8549.29	* 8628.28	* 8699.76	* 8736.27	* 8767.26	*
29.0	8265.13	* 8497.96	* 8684.82	* 8816.95	* 8905.59	* 8973.98	* 9040.10	* 9116.03	* 9175.63	* 9216.89	*
25.5	8583.92	* 8805.20	* 8996.22	* 9145.09	* 9258.87	* 9336.84	* 9393.05	* 9462.80	* 9528.64	* 9571.33	*
22.5	8791.17	* 9038.40	* 9274.16	* 9429.59	* 9526.74	* 9623.23	* 9683.44	* 9754.14	* 9811.66	* 9853.78	*
19.5	9014.09	* 9273.38	* 9515.14	* 9668.11	* 9775.39	* 9879.13	* 9942.58	* 9967.45	* 10011.87	* 10076.95	*
17.0	9162.25	* 9443.88	* 9663.25	* 9859.10	* 9954.77	* 10012.97	* 10106.14	* 10147.94	* 10201.23	* 10256.83	*
15.0	9275.73	* 9531.22	* 9779.52	* 9946.85	* 10049.05	* 10156.40	* 10217.99	* 10292.97	* 10341.95	* 10380.77	*
13.0	9376.07	* 9623.57	* 9875.80	* 10013.38	* 10160.56	* 10252.71	* 10348.80	* 10396.35	* 10450.03	* 10450.24	*
11.0	9441.84	* 9704.06	* 9925.95	* 10116.76	* 10239.69	* 10350.83	* 10426.80	* 10485.48	* 10538.68	* 10567.77	*
9.0	9492.13	* 9782.98	* 9973.21	* 10200.15	* 10308.59	* 10391.15	* 10500.75	* 10561.36	* 10614.29	* 10661.02	*
7.0	9543.80	* 9822.88	* 10040.56	* 10250.31	* 10347.61	* 10454.81	* 10526.42	* 10618.88	* 10674.62	* 10712.30	*
5.0	9580.09	* 9845.51	* 10105.39	* 10271.28	* 10371.24	* 10517.30	* 10590.03	* 10665.33	* 10712.23	* 10728.49	*
3.0	9604.90	* 9862.32	* 10133.46	* 10277.45	* 10387.72	* 10504.44	* 10593.53	* 10687.15	* 10779.87	* 10812.58	*
1.0	9614.91	* 9871.70	* 10138.30	* 10270.67	* 10390.41	* 10500.76	* 10591.77	* 10665.24	* 10771.88	* 10799.83	*
0.0	9614.29	* 9871.04	* 10135.32	* 10261.01	* 10384.72	* 10497.38	* 10585.05	* 10649.52	* 10741.70	* 10788.84	*
-1.0	9612.98	* 9869.52	* 10136.22	* 10268.25	* 10396.60	* 10506.53	* 10588.53	* 10661.42	* 10755.02	* 10778.14	*
-3.0	9598.35	* 9853.78	* 10129.64	* 10273.38	* 10399.14	* 10511.81	* 10597.85	* 10661.90	* 10729.73	* 10723.88	*
-5.0	9566.63	* 9825.17	* 10105.39	* 10273.64	* 10370.29	* 10502.30	* 10616.70	* 10605.13	* 10661.77	* 10702.14	*
-7.0	9530.87	* 9788.88	* 10045.47	* 10246.65	* 10326.20	* 10445.39	* 10506.64	* 10558.32	* 10551.39	* 10652.37	*
-9.0	9487.43	* 9738.77	* 9970.44	* 10146.01	* 10264.47	* 10340.12	* 10425.99	* 10468.26	* 10559.44	* 10642.56	*
-11.0	9417.44	* 9677.23	* 9879.31	* 10060.08	* 10147.57	* 10269.31	* 10324.81	* 10419.22	* 10489.92	* 10539.35	*
-13.0	9309.11	* 9561.99	* 9778.92	* 9937.50	* 10046.74	* 10110.23	* 10257.64	* 10319.75	* 10418.04	* 10488.22	*
-15.0	9189.16	* 9459.17	* 9662.44	* 9824.33	* 9934.83	* 10029.42	* 10119.86	* 10228.48	* 10286.88	* 10325.32	*
-17.0	9071.16	* 9329.33	* 9541.03	* 9679.69	* 9814.79	* 9916.49	* 10021.66	* 10102.53	* 10193.72	* 10205.07	*
-19.5	8903.27	* 9156.01	* 9362.79	* 9523.01	* 9631.41	* 9757.78	* 9852.90	* 9925.12	* 9981.81	* 10012.72	*
-22.5	8674.05	* 8911.45	* 9142.33	* 9293.48	* 9412.01	* 9515.27	* 9599.53	* 9672.42	* 9735.16	* 9772.72	*
-25.5	8415.47	* 8650.50	* 8863.39	* 9030.06	* 9151.72	* 9256.22	* 9339.92	* 9396.49	* 9440.97	* 9472.36	*
-29.0	8088.26	* 8322.05	* 8546.43	* 8687.98	* 8790.33	* 8887.64	* 8965.42	* 9009.77	* 9053.76	* 9089.69	*
-33.0	7716.88	* 7925.35	* 8125.30	* 8266.01	* 8367.55	* 8459.73	* 8526.41	* 8589.67	* 8614.62	* 8639.57	*
-37.5	7224.35	* 7427.16	* 7605.46	* 7729.72	* 7823.35	* 7909.65	* 7974.33	* 8020.23	* 8060.97	* 8072.87	*
-42.5	6613.92	* 6806.50	* 6963.96	* 7095.12	* 7174.70	* 7248.39	* 7296.73	* 7345.10	* 7379.54	* 7396.19	*
-47.5	6019.88	* 6182.29	* 6306.54	* 6399.20	* 6466.76	* 6522.14	* 6562.67	* 6595.05	* 6622.41	* 6643.92	*
-55.0	5012.70	* 5130.13	* 5240.81	* 5321.83	* 5379.26	* 5430.40	* 5460.55	* 5486.09	* 5503.87	* 5514.04	*
-65.0	3712.66	* 3798.84	* 3864.94	* 3912.74	* 3946.10	* 3971.96	* 3992.30	* 4007.37	* 4017.42	* 4022.72	*
-75.0	2473.46	* 2516.18	* 2550.05	* 2573.51	* 2589.23	* 2602.25	* 2612.56	* 2620.16	* 2625.06	* 2635.53	*
-85.0	1260.93	* 1276.67	* 1288.26	* 1295.80	* 1300.51	* 1304.04	* 1322.35	* 1318.25	* 1314.15	* 1310.04	*
-90.0	504.53	493.52	497.02	499.94	502.26	504.59	506.91	509.23	511.55	513.86	

Vert.  
Angles

Horizontal Angles

	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	587.84	589.56	590.42	588.27	583.97	579.67	575.36	571.06	566.75	562.44
85.0	1427.44	* 1426.99	* 1426.77	* 1427.55	* 1429.12	* 1430.69	* 1432.26	* 1433.82	* 1435.39	* 1415.00
75.0	2725.26	* 2724.35	* 2723.89	* 2723.65	* 2723.17	* 2722.69	* 2707.13	* 2697.10	* 2684.92	* 2670.68
65.0	4161.13	* 4159.72	* 4159.02	* 4159.56	* 4160.63	* 4146.18	* 4132.04	* 4112.54	* 4087.58	* 4057.04
55.0	5707.74	* 5704.93	* 5703.53	* 5704.14	* 5705.36	* 5684.74	* 5664.73	* 5637.45	* 5602.81	* 5564.00
47.5	6837.91	* 6845.50	* 6845.57	* 6844.78	* 6836.20	* 6818.60	* 6792.38	* 6757.41	* 6713.29	* 6660.43
42.5	7541.08	* 7542.26	* 7538.92	* 7539.23	* 7532.14	* 7514.60	* 7486.42	* 7444.25	* 7389.83	* 7335.69
37.5	8221.72	* 8231.20	* 8231.61	* 8232.43	* 8225.52	* 8208.03	* 8187.34	* 8130.48	* 8062.06	* 7989.52
33.0	8784.50	* 8790.12	* 8785.99	* 8789.31	* 8781.51	* 8760.60	* 8723.48	* 8678.51	* 8616.98	* 8547.66

# IES FLOOD REPORT

PHOTOMETRIC FILENAME : GC301-250W-P540-D1-PCD-HK.IES

## CANDELA TABULATION - (Cont.)

29.0	9240.41	* 9249.68	* 9246.63	* 9246.70	* 9233.10	* 9209.45	* 9174.96	* 9121.20	* 9040.83	* 8970.50	*
25.5	9592.30	* 9601.36	* 9600.84	* 9604.07	* 9599.28	* 9579.22	* 9546.87	* 9501.03	* 9400.75	* 9289.98	*
22.5	9868.75	* 9874.63	* 9872.17	* 9877.04	* 9875.58	* 9863.92	* 9841.33	* 9808.22	* 9691.87	* 9580.16	*
19.5	10097.45	*10104.76	*10104.55	*10109.75	*10111.84	*10100.91	*10055.09	*9991.78	* 9914.16	* 9802.66	*
17.0	10294.98	*10321.38	*10323.96	*10330.16	*10317.53	*10283.61	*10231.38	*10148.34	*10069.22	*9959.28	*
15.0	10404.94	*10414.12	*10409.36	*10415.45	*10410.31	*10393.49	*10365.34	*10284.23	*10169.29	*10063.13	*
13.0	10508.04	*10534.73	*10534.40	*10538.32	*10519.58	*10471.52	*10431.60	*10361.67	*10283.62	*10163.07	*
11.0	10593.07	*10616.48	*10620.58	*10623.78	*10608.73	*10568.24	*10521.84	*10435.44	*10341.22	*10265.66	*
9.0	10704.82	*10736.04	*10739.84	*10741.34	*10704.05	*10630.59	*10567.67	*10493.40	*10420.96	*10331.78	*
7.0	10731.07	*10752.87	*10759.47	*10768.92	*10749.31	*10687.20	*10586.71	*10552.51	*10487.64	*10377.98	*
5.0	10798.91	*10786.43	*10722.20	*10785.78	*10786.39	*10680.05	*10663.04	*10597.82	*10526.62	*10419.23	*
3.0	10825.64	*10810.56	*10837.38	*10863.48	*10778.42	*10761.65	*10718.14	*10638.03	*10553.48	*10453.43	*
1.0	10807.97	*10857.46	*10843.12	*10816.38	*10833.11	*10782.27	*10725.97	*10637.55	*10558.00	*10452.00	*
0.0	10834.29	*10799.22	*10842.56	*10821.34	*10816.68	*10781.45	*10721.78	*10628.99	*10551.20	*10442.73	*
-1.0	10857.49	*10786.11	*10794.64	*10833.72	*10796.10	*10782.77	*10721.65	*10632.21	*10565.15	*10450.43	*
-3.0	10759.41	*10821.31	*10777.38	*10771.29	*10809.18	*10783.93	*10702.48	*10615.72	*10552.14	*10450.35	*
-5.0	10744.46	*10783.56	*10755.63	*10701.77	*10751.14	*10731.95	*10673.49	*10605.23	*10478.99	*10418.57	*
-7.0	10707.31	*10706.28	*10684.31	*10696.16	*10662.62	*10640.41	*10648.82	*10587.96	*10486.79	*10374.35	*
-9.0	10658.50	*10611.42	*10589.05	*10577.72	*10548.97	*10563.79	*10564.87	*10504.03	*10408.09	*10311.72	*
-11.0	10583.58	*10555.01	*10520.91	*10516.17	*10488.82	*10456.45	*10459.67	*10399.88	*10347.74	*10249.61	*
-13.0	10463.92	*10443.27	*10424.61	*10426.15	*10409.04	*10387.44	*10323.82	*10284.85	*10248.68	*10138.92	*
-15.0	10343.32	*10331.84	*10314.74	*10305.91	*10275.16	*10238.88	*10220.60	*10186.71	*10100.33	*10014.47	*
-17.0	10205.92	*10205.69	*10195.13	*10195.99	*10172.23	*10136.04	*10088.80	*10030.72	*9978.46	* 9897.62	*
-19.5	10016.69	*10002.69	*9989.98	* 9990.40	* 9982.43	* 9961.53	* 9909.11	* 9839.78	* 9768.85	* 9685.82	*
-22.5	9767.18	* 9750.21	* 9738.13	* 9734.97	* 9721.01	* 9694.51	* 9629.01	* 9545.61	* 9520.10	* 9441.95	*
-25.5	9480.54	* 9475.49	* 9468.50	* 9466.24	* 9453.54	* 9429.81	* 9380.89	* 9317.29	* 9248.67	* 9162.24	*
-29.0	9105.55	* 9104.99	* 9095.56	* 9093.72	* 9074.04	* 9043.98	* 9003.72	* 8951.42	* 8878.45	* 8804.27	*
-33.0	8654.66	* 8659.69	* 8654.41	* 8653.82	* 8636.37	* 8607.10	* 8565.05	* 8520.32	* 8445.65	* 8362.01	*
-37.5	8081.44	* 8078.83	* 8073.01	* 8070.39	* 8056.44	* 8032.28	* 8005.98	* 7951.64	* 7893.31	* 7823.71	*
-42.5	7403.54	* 7401.26	* 7396.41	* 7394.65	* 7383.45	* 7361.86	* 7329.71	* 7283.97	* 7227.63	* 7173.24	*
-47.5	6655.58	* 6657.51	* 6654.88	* 6654.29	* 6645.81	* 6627.31	* 6598.46	* 6561.77	* 6516.69	* 6460.38	*
-55.0	5524.63	* 5513.23	* 5507.53	* 5506.60	* 5504.74	* 5480.78	* 5457.17	* 5425.83	* 5386.55	* 5342.53	*
-65.0	4027.91	* 4020.64	* 4017.00	* 4015.89	* 4013.67	* 3999.20	* 3984.81	* 3965.96	* 3942.47	* 3914.17	*
-75.0	2629.75	* 2623.98	* 2621.09	* 2620.17	* 2618.34	* 2616.50	* 2599.09	* 2587.34	* 2573.31	* 2557.08	*
-85.0	1305.94	* 1301.84	* 1299.79	* 1299.77	* 1299.73	* 1299.69	* 1299.64	* 1299.60	* 1299.56	* 1277.93	*
-90.0	516.17	518.48	519.64	518.42	515.98	513.54	511.10	508.66	506.21	503.77	

Vert.  
Angles

Horizontal Angles

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	558.12	553.81	548.41	541.92	548.45	556.06	564.75	574.53	585.38	591.64
85.0	1409.17	* 1402.24	* 1392.02	* 1377.35	* 1356.47	* 1329.77	* 1296.39	* 1261.42	* 1207.92	* 1156.03
75.0	2654.48	* 2636.42	* 2611.39	* 2573.55	* 2523.98	* 2460.64	* 2388.84	* 2298.82	* 2182.67	* 2072.58
65.0	4020.82	* 3980.38	* 3923.82	* 3846.84	* 3755.28	* 3639.36	* 3494.51	* 3326.66	* 3119.57	* 2893.71
55.0	5502.02	* 5436.35	* 5351.09	* 5236.63	* 5101.69	* 4919.41	* 4680.56	* 4431.56	* 4109.99	* 3788.56
47.5	6591.11	* 6505.95	* 6388.23	* 6241.98	* 6063.21	* 5822.32	* 5567.54	* 5236.14	* 4844.52	* 4431.26
42.5	7269.41	* 7188.66	* 7054.20	* 6881.83	* 6680.41	* 6431.94	* 6115.69	* 5720.96	* 5321.86	* 4837.10
37.5	7912.30	* 7816.31	* 7669.47	* 7466.40	* 7247.31	* 7019.60	* 6631.96	* 6235.44	* 5725.56	* 5221.30
33.0	8448.25	* 8325.53	* 8169.68	* 7942.88	* 7729.84	* 7432.72	* 7089.34	* 6636.44	* 6107.89	* 5547.58
29.0	8878.34	* 8748.73	* 8578.97	* 8364.52	* 8085.18	* 7835.74	* 7426.90	* 7006.14	* 6405.57	* 5799.15
25.5	9190.37	* 9063.07	* 8902.74	* 8665.74	* 8420.57	* 8093.48	* 7715.50	* 7238.33	* 6643.44	* 6016.37
22.5	9476.56	* 9304.86	* 9145.38	* 8911.73	* 8660.89	* 8348.25	* 7924.95	* 7409.62	* 6832.75	* 6156.74
19.5	9677.19	* 9548.14	* 9383.26	* 9139.99	* 8878.17	* 8543.38	* 8124.72	* 7630.39	* 6992.17	* 6297.87
17.0	9835.23	* 9687.76	* 9544.41	* 9306.36	* 9032.19	* 8695.64	* 8273.19	* 7734.44	* 7086.30	* 6399.56
15.0	9963.36	* 9825.67	* 9667.21	* 9438.75	* 9158.45	* 8794.46	* 8366.49	* 7824.63	* 7167.97	* 6457.85
13.0	10055.26	*9949.70	* 9763.85	* 9542.12	* 9275.33	* 8899.20	* 8449.50	* 7891.89	* 7252.72	* 6511.62
11.0	10146.68	*10038.82	*9855.34	* 9639.79	* 9359.38	* 8989.28	* 8511.61	* 7950.58	* 7286.84	* 6565.33

# IES FLOOD REPORT

PHOTOMETRIC FILENAME : GC301-250W-P540-D1-PCD-HK.IES

## CANDELA TABULATION - (Cont.)

9.0	10231.36	*10106.21	*9951.89	* 9738.17	* 9407.95	* 9028.14	* 8569.50	* 8005.95	* 7326.62	* 6609.41	*
7.0	10293.55	*10162.92	*10010.41	*9753.00	* 9464.10	* 9074.88	* 8607.52	* 8058.03	* 7362.90	* 6644.82	*
5.0	10326.60	*10197.89	*10035.55	*9754.05	* 9504.35	* 9113.93	* 8639.66	* 8076.75	* 7395.70	* 6671.95	*
3.0	10339.32	*10222.05	*10049.44	*9771.10	* 9520.02	* 9133.17	* 8657.08	* 8089.95	* 7413.94	* 6688.94	*
1.0	10343.78	*10231.22	*10050.79	*9774.18	* 9521.26	* 9136.71	* 8662.03	* 8091.57	* 7419.08	* 6695.02	*
0.0	10339.78	*10225.32	*10046.80	*9769.21	* 9516.81	* 9130.28	* 8657.05	* 8088.26	* 7417.21	* 6693.75	*
-1.0	10341.57	*10224.07	*10046.62	*9766.70	* 9515.75	* 9129.44	* 8659.21	* 8087.99	* 7415.23	* 6690.13	*
-3.0	10328.57	*10200.81	*10035.81	*9748.73	* 9505.03	* 9113.77	* 8649.89	* 8079.23	* 7403.32	* 6674.00	*
-5.0	10297.22	*10163.12	*10006.72	*9717.00	* 9484.35	* 9088.62	* 8631.44	* 8058.98	* 7381.04	* 6646.17	*
-7.0	10250.52	*10123.65	*9944.61	* 9672.47	* 9439.81	* 9053.84	* 8603.72	* 8033.34	* 7348.73	* 6606.86	*
-9.0	10195.15	*10077.87	*9870.66	* 9610.46	* 9381.50	* 9008.18	* 8575.33	* 7973.33	* 7302.30	* 6558.90	*
-11.0	10116.22	*9997.79	* 9798.40	* 9562.99	* 9315.09	* 8951.44	* 8478.97	* 7909.65	* 7244.53	* 6502.66	*
-13.0	10022.69	*9904.64	* 9704.15	* 9488.32	* 9208.89	* 8873.57	* 8383.85	* 7843.30	* 7188.49	* 6436.27	*
-15.0	9942.55	* 9793.67	* 9616.13	* 9386.55	* 9094.27	* 8769.94	* 8311.85	* 7768.95	* 7108.40	* 6378.95	*
-17.0	9792.13	* 9676.98	* 9487.16	* 9261.69	* 8994.61	* 8666.05	* 8215.06	* 7685.12	* 7023.84	* 6328.20	*
-19.5	9604.38	* 9475.68	* 9320.96	* 9085.54	* 8825.73	* 8501.09	* 8067.14	* 7540.57	* 6885.75	* 6242.81	*
-22.5	9350.71	* 9235.37	* 9081.28	* 8847.94	* 8630.17	* 8287.21	* 7864.87	* 7353.23	* 6731.40	* 6107.10	*
-25.5	9067.53	* 8963.10	* 8797.61	* 8622.76	* 8352.88	* 8044.33	* 7672.54	* 7144.81	* 6511.56	* 5931.10	*
-29.0	8722.75	* 8636.34	* 8478.74	* 8265.52	* 8038.61	* 7772.22	* 7352.84	* 6893.99	* 6310.59	* 5723.09	*
-33.0	8253.01	* 8162.44	* 8042.60	* 7855.48	* 7669.70	* 7347.79	* 7006.42	* 6537.82	* 6028.57	* 5470.82	*
-37.5	7746.54	* 7662.73	* 7527.86	* 7339.05	* 7135.13	* 6909.02	* 6558.77	* 6141.87	* 5660.60	* 5141.41	*
-42.5	7102.17	* 7025.08	* 6890.28	* 6747.55	* 6553.46	* 6329.45	* 6015.55	* 5660.75	* 5229.59	* 4757.90	*
-47.5	6390.63	* 6310.82	* 6207.11	* 6065.81	* 5918.93	* 5717.08	* 5459.61	* 5138.26	* 4757.17	* 4342.43	*
-55.0	5283.66	* 5220.45	* 5140.76	* 5048.62	* 4930.45	* 4772.12	* 4573.20	* 4323.09	* 4031.30	* 3708.24	*
-65.0	3880.92	* 3837.58	* 3773.68	* 3698.33	* 3619.40	* 3520.39	* 3396.14	* 3245.56	* 3039.79	* 2842.29	*
-75.0	2538.74	* 2518.38	* 2490.24	* 2450.06	* 2404.52	* 2345.95	* 2288.26	* 2214.02	* 2099.46	* 1997.07	*
-85.0	1270.70	* 1262.42	* 1250.63	* 1234.36	* 1218.24	* 1196.66	* 1168.51	* 1138.57	* 1093.71	* 1053.73	
-90.0	501.31	498.86	495.79	492.10	499.64	508.43	518.47	529.77	542.32	552.68	

Vert.  
Angles

## Horizontal Angles

	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	594.10	597.37	592.58	585.09	581.35
85.0	1073.47	945.28	801.25	654.24	581.49
75.0	1883.82	* 1588.98	* 1201.83	* 790.59	581.76
65.0	2557.30	* 2098.50	* 1576.67	* 920.23	582.02
55.0	3251.50	* 2550.02	* 1861.24	* 1038.10	582.26
47.5	3790.61	* 2887.66	* 2052.13	* 1114.97	582.42
42.5	4117.36	* 3089.23	* 2159.56	* 1160.91	582.52
37.5	4407.91	* 3282.18	* 2262.00	* 1207.95	582.60
33.0	4644.51	* 3452.26	* 2346.07	* 1238.56	582.68
29.0	4858.25	* 3582.43	* 2411.76	* 1267.29	582.73
25.5	5033.28	* 3691.79	* 2464.50	* 1289.57	582.78
22.5	5140.38	* 3782.24	* 2505.10	* 1306.47	582.81
19.5	5240.03	* 3839.83	* 2540.47	* 1321.31	582.84
17.0	5319.98	* 3885.15	* 2565.33	* 1332.07	582.86
15.0	5380.60	* 3919.12	* 2582.63	* 1339.61	582.88
13.0	5436.67	* 3949.86	* 2597.62	* 1346.18	582.89
11.0	5472.95	* 3974.99	* 2610.31	* 1366.70	582.90
9.0	5505.69	* 3994.71	* 2620.68	* 1366.42	582.91
7.0	5531.48	* 4009.23	* 2628.74	* 1366.13	582.92
5.0	5550.17	* 4018.77	* 2641.57	* 1365.85	582.92
3.0	5569.96	* 4028.30	* 2640.51	* 1365.56	582.93
1.0	5566.76	* 4024.40	* 2639.45	* 1365.13	582.93
0.0	5565.15	* 4022.44	* 2638.92	* 1365.13	582.93
-1.0	5564.27	* 4022.64	* 2638.89	* 1365.07	582.93
-3.0	5562.51	* 4023.04	* 2638.83	* 1364.94	582.93

**IES FLOOD REPORT****PHOTOMETRIC FILENAME : GC301-250W-P540-D1-PCD-HK.IES****CANDELA TABULATION - (Cont.)**

<b>-5.0</b>	5538.00 *	4010.42 *	2638.77 *	1364.82 *	582.92
<b>-7.0</b>	5514.80 *	3998.10 *	2624.93 *	1364.70 *	582.92
<b>-9.0</b>	5484.87 *	3981.37 *	2615.88 *	1364.57 *	582.91
<b>-11.0</b>	5448.42 *	3960.15 *	2604.59 *	1364.45 *	582.90
<b>-13.0</b>	5408.89 *	3934.37 *	2591.07 *	1343.53 *	582.89
<b>-15.0</b>	5350.39 *	3903.98 *	2575.34 *	1336.56 *	582.88
<b>-17.0</b>	5287.95 *	3867.37 *	2557.42 *	1328.63 *	582.86
<b>-19.5</b>	5201.93 *	3814.67 *	2531.96 *	1317.39 *	582.84
<b>-22.5</b>	5086.89 *	3746.06 *	2494.92 *	1301.98 *	582.81
<b>-25.5</b>	4969.09 *	3661.62 *	2451.34 *	1284.52 *	582.78
<b>-29.0</b>	4796.72 *	3552.33 *	2394.44 *	1261.62 *	582.73
<b>-33.0</b>	4594.86 *	3410.53 *	2329.17 *	1232.21 *	582.68
<b>-37.5</b>	4335.03 *	3251.67 *	2245.99 *	1200.87 *	582.60
<b>-42.5</b>	4034.24 *	3057.39 *	2134.64 *	1152.56 *	582.52
<b>-47.5</b>	3714.99 *	2852.59 *	2023.29 *	1105.34 *	582.42
<b>-55.0</b>	3201.32 *	2516.14 *	1832.57 *	1027.18	582.26
<b>-65.0</b>	2502.58 *	2040.82 *	1550.32 *	911.14	582.02
<b>-75.0</b>	1811.88 *	1541.20 *	1167.08 *	783.49	581.76
<b>-85.0</b>	990.41	895.37	779.30	649.86	581.49
<b>-90.0</b>	564.95	581.29	584.05	582.25	581.35



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : GC301-250W-P540-D1-PCD-HK.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 16288.89

Total Field Lumens (one side of beam only) = 16115.43

\* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>17</u>
90										
	1.54	3.07	3.06	3.05	3.03	3.01	2.97	2.92	2.88	3.53
85	6.32 *	12.64 *	12.62 *	12.56 *	12.47 *	12.37 *	12.22 *	12.04 *	11.85 *	14.52 *
75	10.48 *	20.96 *	20.90 *	20.77 *	20.60 *	20.38 *	20.13 *	19.82 *	19.48 *	23.80 *
65	15.02 *	30.03 *	29.93 *	29.74 *	29.49 *	29.16 *	28.77 *	28.30 *	27.74 *	33.82 *
55	14.33 *	28.65 *	28.54 *	28.36 *	28.11 *	27.79 *	27.41 *	26.94 *	26.38 *	32.13 *
47.5	10.95 *	21.89 *	21.81 *	21.68 *	21.49 *	21.24 *	20.95 *	20.60 *	20.18 *	24.57 *
42.5	12.01 *	24.00 *	23.92 *	23.78 *	23.58 *	23.29 *	22.96 *	22.58 *	22.14 *	26.96 *
37.5	11.66 *	23.31 *	23.23 *	23.09 *	22.89 *	22.62 *	22.28 *	21.90 *	21.46 *	26.12 *
33	10.99 *	21.95 *	21.88 *	21.74 *	21.54 *	21.28 *	20.97 *	20.61 *	20.19 *	24.57 *
29	10.05 *	20.08 *	20.01 *	19.88 *	19.70 *	19.44 *	19.15 *	18.83 *	18.45 *	22.44 *
25.5	8.90 *	17.78 *	17.73 *	17.63 *	17.48 *	17.25 *	16.98 *	16.69 *	16.34 *	19.87 *
22.5	9.13 *	18.25 *	18.20 *	18.09 *	17.93 *	17.72 *	17.46 *	17.14 *	16.78 *	20.41 *
19.5	7.78 *	15.54 *	15.49 *	15.38 *	15.22 *	15.05 *	14.84 *	14.57 *	14.28 *	17.37 *
17	6.32 *	12.62 *	12.57 *	12.49 *	12.37 *	12.21 *	12.03 *	11.82 *	11.58 *	14.10 *
15	6.38 *	12.75 *	12.69 *	12.61 *	12.51 *	12.35 *	12.16 *	11.95 *	11.71 *	14.25 *
13	6.44 *	12.87 *	12.81 *	12.72 *	12.61 *	12.46 *	12.28 *	12.06 *	11.82 *	14.38 *
11	6.51 *	12.99 *	12.92 *	12.82 *	12.70 *	12.55 *	12.37 *	12.16 *	11.92 *	14.49 *
9	6.55 *	13.07 *	13.00 *	12.90 *	12.77 *	12.62 *	12.44 *	12.23 *	11.99 *	14.59 *
7	6.55 *	13.11 *	13.05 *	12.94 *	12.83 *	12.68 *	12.50 *	12.28 *	12.04 *	14.66 *
5	6.58 *	13.16 *	13.09 *	13.00 *	12.89 *	12.73 *	12.54 *	12.31 *	12.06 *	14.70 *
3	6.60 *	13.18 *	13.13 *	13.05 *	12.91 *	12.74 *	12.54 *	12.32 *	12.07 *	14.71 *
1	3.30 *	6.59 *	6.57 *	6.52 *	6.45 *	6.36 *	6.27 *	6.16 *	6.04 *	7.35 *
0	3.29 *	6.59 *	6.57 *	6.52 *	6.45 *	6.36 *	6.27 *	6.16 *	6.03 *	7.35 *
-1	6.58 *	13.16 *	13.11 *	13.02 *	12.89 *	12.73 *	12.55 *	12.32 *	12.07 *	14.70 *
-3	6.56 *	13.11 *	13.07 *	12.98 *	12.86 *	12.71 *	12.53 *	12.31 *	12.05 *	14.68 *

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : GC301-250W-P540-D1-PCD-HK.IES**

**LUMENS TABULATION - (Cont.)**

<b>-5</b>	6.53 *	13.05 *	13.00 *	12.91 *	12.80 *	12.67 *	12.49 *	12.26 *	12.01 *	14.63 *
<b>-7</b>	6.48 *	12.96 *	12.93 *	12.85 *	12.74 *	12.59 *	12.41 *	12.19 *	11.95 *	14.54 *
<b>-9</b>	6.43 *	12.87 *	12.84 *	12.77 *	12.65 *	12.49 *	12.32 *	12.10 *	11.86 *	14.43 *
<b>-11</b>	6.38 *	12.77 *	12.73 *	12.66 *	12.54 *	12.39 *	12.21 *	11.98 *	11.75 *	14.29 *
<b>-13</b>	6.32 *	12.63 *	12.60 *	12.52 *	12.41 *	12.26 *	12.07 *	11.86 *	11.63 *	14.14 *
<b>-15</b>	6.25 *	12.49 *	12.44 *	12.37 *	12.27 *	12.11 *	11.93 *	11.72 *	11.49 *	13.97 *
<b>-17</b>	7.69 *	15.37 *	15.32 *	15.24 *	15.10 *	14.91 *	14.69 *	14.43 *	14.13 *	17.19 *
<b>-19.5</b>	9.02 *	18.03 *	17.99 *	17.88 *	17.70 *	17.49 *	17.24 *	16.94 *	16.59 *	20.19 *
<b>-22.5</b>	8.78 *	17.55 *	17.50 *	17.39 *	17.22 *	17.02 *	16.78 *	16.48 *	16.14 *	19.64 *
<b>-25.5</b>	9.90 *	19.78 *	19.71 *	19.59 *	19.41 *	19.19 *	18.91 *	18.58 *	18.20 *	22.15 *
<b>-29</b>	10.82 *	21.61 *	21.53 *	21.39 *	21.21 *	20.96 *	20.66 *	20.29 *	19.88 *	24.21 *
<b>-33</b>	11.47 *	22.91 *	22.83 *	22.70 *	22.51 *	22.25 *	21.92 *	21.53 *	21.09 *	25.68 *
<b>-37.5</b>	11.78 *	23.54 *	23.47 *	23.34 *	23.14 *	22.87 *	22.55 *	22.17 *	21.73 *	26.44 *
<b>-42.5</b>	10.70 *	21.38 *	21.31 *	21.19 *	21.01 *	20.77 *	20.49 *	20.15 *	19.75 *	24.04 *
<b>-47.5</b>	13.89 *	27.78 *	27.69 *	27.52 *	27.29 *	26.99 *	26.64 *	26.20 *	25.68 *	31.29 *
<b>-55</b>	14.51 *	29.02 *	28.93 *	28.76 *	28.54 *	28.25 *	27.89 *	27.45 *	26.93 *	32.83 *
<b>-65</b>	10.11 *	20.22 *	20.18 *	20.07 *	19.91 *	19.72 *	19.49 *	19.21 *	18.88 *	23.07 *
<b>-75</b>	5.97 *	11.95 *	11.94 *	11.89 *	11.81 *	11.72 *	11.58 *	11.41 *	11.24 *	13.77 *
<b>-85</b>	1.39	2.77	2.76	2.75	2.74	2.73	2.69	2.65	2.61	3.20
<b>-90</b>										
<b>Total</b>	365.24	729.99	727.59	723.14	716.76	708.53	698.51	686.62	673.02	819.78

Vert. Angles	Horizontal Angles									
	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29</u>	<u>33</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>	<u>55</u>	<u>65</u>
<b>90</b>	4.13	4.01	4.52	4.93	5.22	5.36	4.83	6.19	6.21	3.91
<b>85</b>	16.94 *	16.33 *	18.19 *	19.57 *	20.35 *	20.41 *	17.97 *	22.28 *	21.10 *	11.99 *
<b>75</b>	27.66 *	26.56 *	29.44 *	31.45 *	32.42 *	32.16 *	27.94 *	33.96 *	31.23 *	17.02 *
<b>65</b>	39.20 *	37.52 *	41.43 *	44.00 *	44.97 *	44.13 *	37.85 *	45.11 *	40.20 *	21.29 *
<b>55</b>	37.20 *	35.56 *	39.16 *	41.46 *	42.20 *	41.16 *	35.05 *	41.30 *	35.97 *	18.48 *
<b>47.5</b>	28.44 *	27.14 *	29.85 *	31.56 *	32.04 *	31.17 *	26.45 *	30.98 *	26.67 *	13.43 *

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : GC301-250W-P540-D1-PCD-HK.IES**

**LUMENS TABULATION - (Cont.)**

<b>42.5</b>										
	31.17 *	29.70 *	32.68 *	34.54 *	34.98 *	33.96 *	28.75 *	33.55 *	28.66 *	14.24 *
<b>37.5</b>										
	30.17 *	28.76 *	31.64 *	33.42 *	33.85 *	32.79 *	27.70 *	32.23 *	27.37 *	13.48 *
<b>33</b>										
	28.38 *	27.05 *	29.74 *	31.40 *	31.81 *	30.80 *	25.97 *	30.14 *	25.48 *	12.46 *
<b>29</b>										
	25.94 *	24.72 *	27.16 *	28.65 *	29.02 *	28.10 *	23.66 *	27.42 *	23.13 *	11.24 *
<b>25.5</b>										
	22.95 *	21.87 *	24.04 *	25.35 *	25.64 *	24.84 *	20.92 *	24.19 *	20.38 *	9.86 *
<b>22.5</b>										
	23.57 *	22.45 *	24.67 *	26.01 *	26.30 *	25.47 *	21.43 *	24.75 *	20.81 *	10.04 *
<b>19.5</b>										
	20.07 *	19.11 *	20.97 *	22.10 *	22.38 *	21.64 *	18.19 *	21.01 *	17.62 *	8.48 *
<b>17</b>										
	16.29 *	15.52 *	17.02 *	17.94 *	18.15 *	17.53 *	14.74 *	17.03 *	14.27 *	6.86 *
<b>15</b>										
	16.47 *	15.70 *	17.23 *	18.15 *	18.34 *	17.72 *	14.89 *	17.20 *	14.41 *	6.91 *
<b>13</b>										
	16.62 *	15.85 *	17.41 *	18.32 *	18.50 *	17.87 *	15.02 *	17.35 *	14.53 *	6.96 *
<b>11</b>										
	16.76 *	15.98 *	17.53 *	18.45 *	18.64 *	17.99 *	15.13 *	17.48 *	14.62 *	7.00 *
<b>9</b>										
	16.86 *	16.07 *	17.62 *	18.55 *	18.75 *	18.11 *	15.22 *	17.58 *	14.70 *	7.03 *
<b>7</b>										
	16.93 *	16.12 *	17.70 *	18.63 *	18.83 *	18.20 *	15.30 *	17.66 *	14.76 *	7.06 *
<b>5</b>										
	16.97 *	16.16 *	17.76 *	18.69 *	18.88 *	18.25 *	15.35 *	17.71 *	14.81 *	7.08 *
<b>3</b>										
	16.99 *	16.18 *	17.79 *	18.72 *	18.91 *	18.28 *	15.37 *	17.74 *	14.83 *	7.08 *
<b>1</b>										
	8.49 *	8.09 *	8.89 *	9.36 *	9.46 *	9.14 *	7.69 *	8.87 *	7.41 *	3.54 *
<b>0</b>										
	8.49 *	8.09 *	8.89 *	9.36 *	9.46 *	9.14 *	7.69 *	8.87 *	7.41 *	3.54 *
<b>-1</b>										
	16.97 *	16.17 *	17.77 *	18.70 *	18.90 *	18.27 *	15.36 *	17.72 *	14.82 *	7.08 *
<b>-3</b>										
	16.94 *	16.13 *	17.72 *	18.66 *	18.86 *	18.23 *	15.32 *	17.67 *	14.78 *	7.07 *
<b>-5</b>										
	16.87 *	16.07 *	17.66 *	18.60 *	18.80 *	18.17 *	15.26 *	17.60 *	14.73 *	7.05 *
<b>-7</b>										
	16.77 *	16.00 *	17.57 *	18.51 *	18.72 *	18.07 *	15.17 *	17.50 *	14.66 *	7.02 *
<b>-9</b>										
	16.66 *	15.90 *	17.46 *	18.39 *	18.58 *	17.93 *	15.06 *	17.38 *	14.58 *	6.98 *
<b>-11</b>										
	16.52 *	15.76 *	17.31 *	18.22 *	18.41 *	17.78 *	14.92 *	17.24 *	14.48 *	6.94 *
<b>-13</b>										
	16.35 *	15.59 *	17.13 *	18.05 *	18.24 *	17.63 *	14.78 *	17.07 *	14.36 *	6.90 *
<b>-15</b>										
	16.15 *	15.40 *	16.92 *	17.85 *	18.06 *	17.45 *	14.64 *	16.90 *	14.21 *	6.84 *
<b>-17</b>										
	19.87 *	18.95 *	20.82 *	21.96 *	22.24 *	21.50 *	18.05 *	20.87 *	17.54 *	8.46 *
<b>-19.5</b>										
	23.32 *	22.24 *	24.44 *	25.77 *	26.11 *	25.25 *	21.24 *	24.58 *	20.68 *	10.00 *
<b>-22.5</b>										
	22.69 *	21.63 *	23.77 *	25.10 *	25.43 *	24.55 *	20.69 *	24.00 *	20.23 *	9.82 *

**IES FLOOD REPORT**  
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**LUMENS TABULATION - (Cont.)**

<b>-25.5</b>	25.58 *	24.38 *	26.81 *	28.34 *	28.70 *	27.71 *	23.37 *	27.16 *	22.95 *	11.19 *
<b>-29</b>	27.96 *	26.66 *	29.33 *	30.97 *	31.36 *	30.37 *	25.64 *	29.79 *	25.27 *	12.39 *
<b>-33</b>	29.68 *	28.31 *	31.13 *	32.87 *	33.31 *	32.31 *	27.32 *	31.81 *	27.11 *	13.40 *
<b>-37.5</b>	30.55 *	29.14 *	32.06 *	33.89 *	34.38 *	33.42 *	28.30 *	33.07 *	28.39 *	14.16 *
<b>-42.5</b>	27.82 *	26.56 *	29.24 *	30.92 *	31.41 *	30.59 *	25.97 *	30.49 *	26.41 *	13.34 *
<b>-47.5</b>	36.25 *	34.68 *	38.23 *	40.49 *	41.22 *	40.27 *	34.35 *	40.64 *	35.62 *	18.33 *
<b>-55</b>	38.06 *	36.47 *	40.31 *	42.86 *	43.88 *	43.14 *	37.10 *	44.40 *	39.68 *	21.01 *
<b>-65</b>	26.81 *	25.75 *	28.55 *	30.55 *	31.56 *	31.31 *	27.23 *	33.18 *	30.52 *	16.66 *
<b>-75</b>	16.06 *	15.48 *	17.25 *	18.57 *	19.35 *	19.40 *	17.10 *	21.30 *	20.30 *	11.65 *
<b>-85</b>	3.75	3.64	4.11	4.50	4.78	4.92	4.47	5.79	5.91	3.80
<b>-90</b>										
<b>Total</b>	948.30	905.44	996.92	1054.39	1071.4	1042.47	884.45	1036.77	893.81	449.07

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
<b>90</b>				
	1.80	0.21		80.39
<b>85</b>				
	4.67	0.45		309.88
<b>75</b>				
	6.05 *	0.50		493.69
<b>65</b>				
	7.25 *	0.54		685.50
<b>55</b>				
	6.11 *	0.43		642.73
<b>47.5</b>				
	4.35 *	0.29		487.74
<b>42.5</b>				
	4.56 *	0.30		532.31
<b>37.5</b>				
	4.27 *	0.28		514.49
<b>33</b>				
	3.91 *	0.25		483.12
<b>29</b>				
	3.50 *	0.22		440.78
<b>25.5</b>				
	3.05 *	0.19		389.95
<b>22.5</b>				
	3.10 *	0.19		399.89
<b>19.5</b>				
	2.61 *	0.16		339.86
<b>17</b>				
	2.11 *	0.13		275.69
<b>15</b>				
	2.12 *	0.13		278.64

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : GC301-250W-P540-D1-PCD-HK.IES**

**LUMENS TABULATION - (Cont.)**

<b>13</b>			
	2.13 *	0.13	281.16
<b>11</b>			
	2.15 *	0.13	283.27
<b>9</b>			
	2.15 *	0.13	284.93
<b>7</b>			
	2.16 *	0.13	286.11
<b>5</b>			
	2.16 *	0.13	287.00
<b>3</b>			
	2.16 *	0.13	287.44
<b>1</b>			
	1.08 *	0.07	143.71
<b>0</b>			
	1.08 *	0.07	143.68
<b>-1</b>			
	2.16 *	0.13	287.17
<b>-3</b>			
	2.16 *	0.13	286.55
<b>-5</b>			
	2.16 *	0.13	285.46
<b>-7</b>			
	2.15 *	0.13	283.92
<b>-9</b>			
	2.14 *	0.13	281.94
<b>-11</b>			
	2.13 *	0.13	279.55
<b>-13</b>			
	2.12 *	0.13	276.78
<b>-15</b>			
	2.10 *	0.13	273.71
<b>-17</b>			
	2.61 *	0.16	337.08
<b>-19.5</b>			
	3.09 *	0.19	395.97
<b>-22.5</b>			
	3.04 *	0.19	385.64
<b>-25.5</b>			
	3.49 *	0.22	435.33
<b>-29</b>			
	3.89 *	0.25	476.44
<b>-33</b>			
	4.25 *	0.28	506.63
<b>-37.5</b>			
	4.53 *	0.30	523.23
<b>-42.5</b>			
	4.32 *	0.29	478.16
<b>-47.5</b>			
	6.05 *	0.42	627.51
<b>-55</b>			
	7.17 *	0.53	667.73
<b>-65</b>			
	5.96 *	0.49	479.44
<b>-75</b>			
	4.60	0.45	294.77

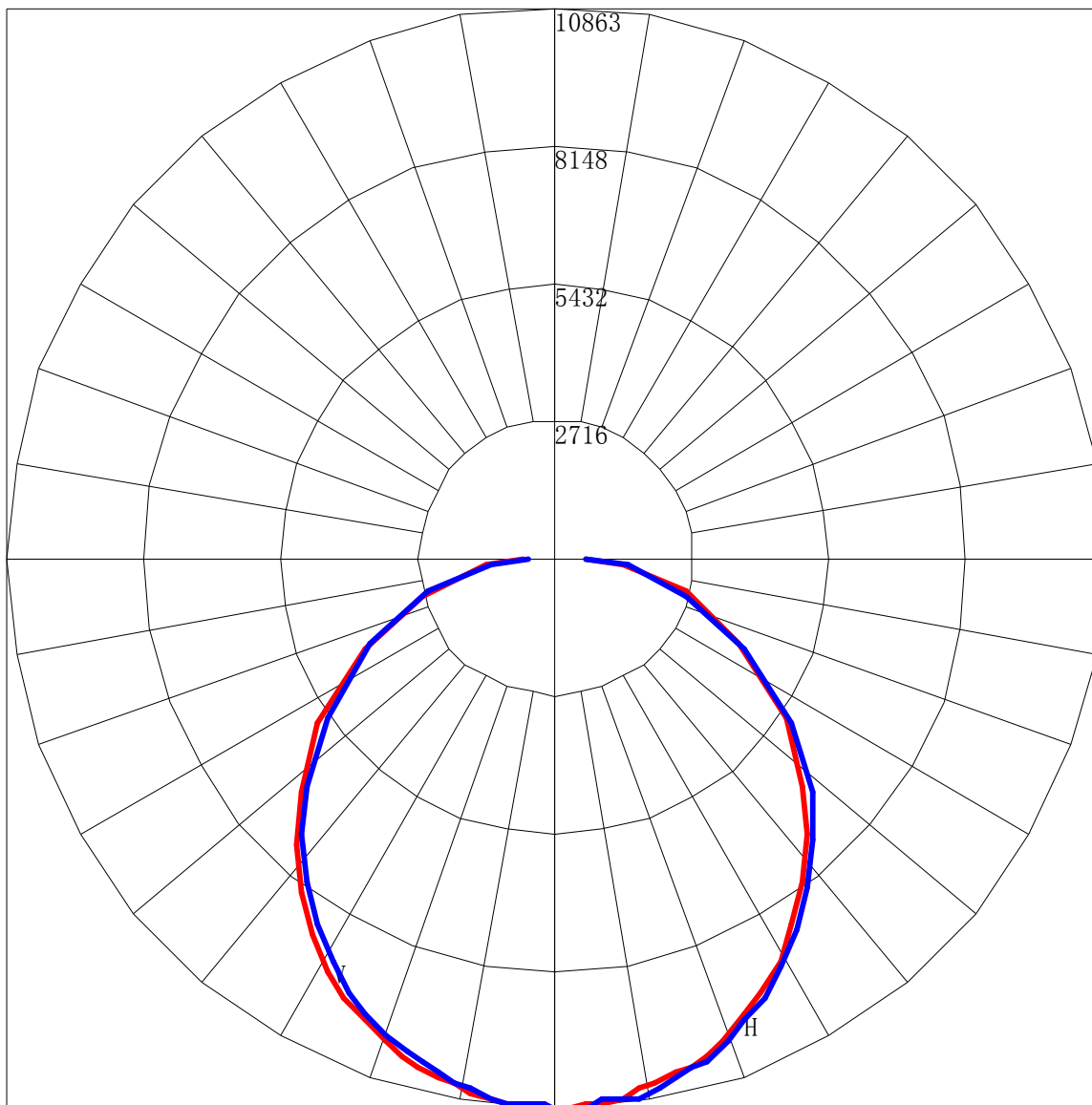
**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : GC301-250W-P540-D1-PCD-HK.IES**

**LUMENS TABULATION - (Cont.)**

<b>-85</b>			
	1.78	0.21	73.94
<b>-90</b>			
<b>Total</b>	146.43	10.28	16288.9

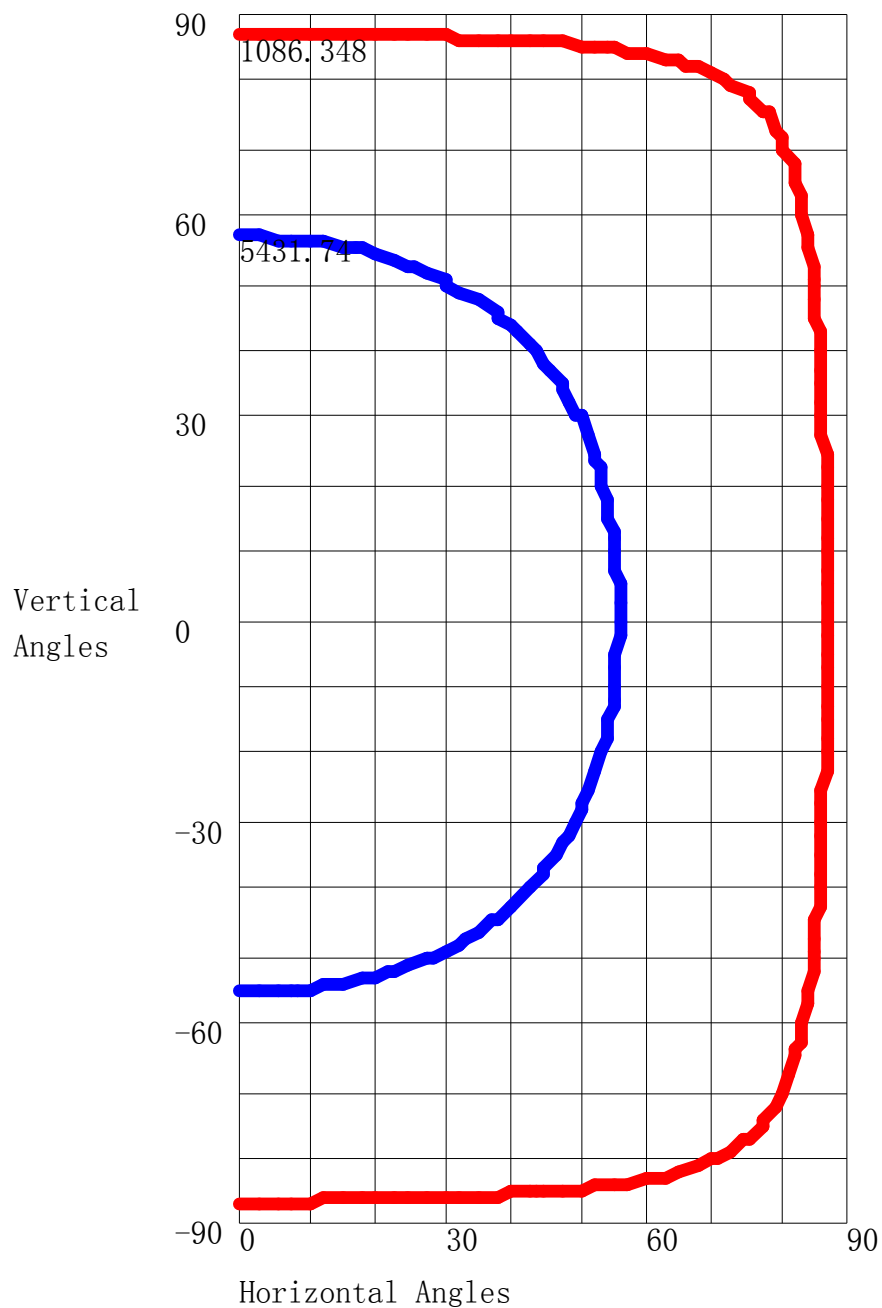
IES FLOOD REPORT  
PHOTOMETRIC FILENAME : GC301-250W-P540-D1-PCD-HK.IES

AXIAL CANDELA DISPLAY



Maximum Candela = 10863.48 Located At Horizontal Angle = 1, Vertical Angle = 3  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 10863.48 Located At Horizontal Angle = 1, Vertical Angle = 3  
50% Maximum Candela = 5431.74  
10% Maximum Candela = 1086.348