

# LUMA LIGHTING

## Photometric Toolbox

### IES FLOOD REPORT

PHOTOMETRIC FILENAME : GC301-200W-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 11:52:40

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] LumEfficient.com

[LUMINAIRE] GC301-200W-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	837.95	837.95	3.13	3.13
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[OTHER]	10- 20	2397.66	3235.61	12.09	12.09
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[OTHER]	20- 30	3621.11	6856.72	25.63	25.63
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[OTHER]	30- 40	4342.56	11199.28	41.86	41.86
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[OTHER]	40- 50	4497.37	15696.65	58.67	58.67
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[OTHER]	50- 60	4106.99	19803.64	74.03	74.03
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[OTHER]	60- 70	3311.82	23115.47	86.40	86.40
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[OTHER]	70- 80	2308.03	25423.49	95.03	95.03
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[OTHER]	80- 90	1173.67	26597.16	99.42	99.42
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[OTHER]	90-100	82.95	26680.11	99.73	99.73
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[OTHER]	100-110	25.87	26705.98	99.83	99.83
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[OTHER]	110-120	16.76	26722.74	99.89	99.89
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[OTHER]	120-130	7.80	26730.54	99.92	99.92
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[OTHER]	130-140	6.74	26737.29	99.94	99.94
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[OTHER]	140-150	6.05	26743.33	99.97	99.97
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[OTHER]	150-160	4.82	26748.15	99.98	99.98
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[OTHER]	160-170	3.27	26751.42	100.00	100.00
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[OTHER]	170-180	1.21	26752.63	100.00	100.00
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[OTHER]

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

**IES FLOOD REPORT**  
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**CHARACTERISTICS**

NEMA Type	7 H x 7 V
Maximum Candela	8890.64
Maximum Candela Angle	0H -1V
Horizontal Beam Angle (50%)	112.2
Vertical Beam Angle (50%)	112.9
Horizontal Field Angle (10%)	171.9
Vertical Field Angle (10%)	173.4
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	18212
Beam Efficiency	N.A.
Field Lumens	26232
Field Efficiency	N.A.
Spill Lumens	309
Luminaire Lumens	26542
Total Efficiency	N.A.
Total Luminaire Watts	213.6
Ballast Factor	1.00

**IES FLOOD REPORT**  
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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	408.63	90	561.37
85	898.03	85	1189.93
75	2173.22	75	2270.93
65	3351.07	65	3435.83
55	4587.12	55	4707.26
47.5	5520.09	47.5	5618.75
42.5	6118.73	42.5	6191.4
37.5	6681.78	37.5	6765.04
33	7145.63	33	7225.25
29	7529.15	29	7619.52
25.5	7844.31	25.5	7887.13
22.5	8071.12	22.5	8129.74
19.5	8246.01	19.5	8309.5
17	8444.45	17	8463
15	8500.12	15	8539.84
13	8577.2	13	8636.45
11	8649.17	11	8701.3
9	8754.52	9	8768.73
7	8787.36	7	8836.39
5	8775.91	5	8886.93
3	8829.72	3	8859.6
1	8869.4	1	8880.58
0	8862.05	0	8862.05
-1	8850.88	-1	8890.64
-3	8821.89	-3	8840.26
-5	8810.52	-5	8846.18
-7	8766.2	-7	8784.66
-9	8683.62	-9	8734.87
-11	8639.7	-11	8636.21
-13	8574.32	-13	8571.56
-15	8461.45	-15	8446.47
-17	8367.74	-17	8338.45
-19.5	8217.26	-19.5	8203.61
-22.5	8034.43	-22.5	8023.08
-25.5	7803.43	-25.5	7796.88
-29	7493.76	-29	7509.65
-33	7108.5	-33	7110.89
-37.5	6646.76	-37.5	6643.25
-42.5	6086.43	-42.5	6074.96
-47.5	5495.9	-47.5	5481.29
-55	4573.69	-55	4552.52
-65	3313.6	-65	3293.19
-75	2155.18	-75	2139.19
-85	1114.45	-85	1034.26
-90	506.29	-90	294.39

**IES FLOOD REPORT****PHOTOMETRIC FILENAME : GC301-200W-P540-D1-PCD-HK.IES****CANDELA TABULATION**

Maximum Candela = 8890.64

Beam Edge = 4445.32 Cd (50% of Max.)

Field Edge = 889.064 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	505.11	508.53	515.39	522.53	530.52	536.50	539.76	542.30	544.57	546.59
85.0	505.21	559.97	666.11	764.32	862.20	937.85 *	984.14 *	1030.05 *	1059.41 *	1086.52 *
75.0	505.41	660.64	968.45 *	1288.88 *	1533.91 *	1698.33 *	1795.94 *	1886.91 *	1964.76 *	2028.93 *
65.0	505.61	755.05	1280.60 *	1683.06 *	2081.24 *	2368.90 *	2551.36 *	2718.50 *	2868.13 *	2988.94 *
55.0	505.79	840.82	1507.50 *	2061.40 *	2644.81 *	3083.76 *	3362.88 *	3629.24 *	3853.11 *	4037.00 *
47.5	505.91	903.19 *	1653.53 *	2336.35 *	3062.96 *	3612.52 *	3976.21 *	4311.89 *	4544.28 *	4797.06 *
42.5	505.98	941.76 *	1749.98 *	2504.76 *	3310.82 *	3952.70 *	4347.43 *	4713.83 *	5027.73 *	5290.32 *
37.5	506.05	981.14 *	1831.34 *	2674.73 *	3575.80 *	4259.77 *	4688.60 *	5122.09 *	5453.17 *	5746.09 *
33.0	506.10	1006.80 *	1905.14 *	2811.36 *	3781.51 *	4502.83 *	4978.40 *	5434.74 *	5825.47 *	6085.25 *
29.0	506.14	1030.92 *	1963.82 *	2920.29 *	3948.69 *	4710.46 *	5228.04 *	5698.22 *	6065.70 *	6416.65 *
25.5	506.17	1049.67 *	2002.96 *	3006.44 *	4076.81 *	4873.28 *	5411.57 *	5899.57 *	6298.77 *	6666.73 *
22.5	506.20	1063.93 *	2032.63 *	3073.92 *	4179.57 *	5007.63 *	5553.68 *	6034.55 *	6491.15 *	6827.40 *
19.5	506.22	1076.49 *	2060.87 *	3128.82 *	4266.43 *	5130.75 *	5668.36 *	6170.70 *	6646.60 *	6983.20 *
17.0	506.24	1085.63 *	2083.62 *	3170.29 *	4334.28 *	5213.74 *	5765.68 *	6289.25 *	6741.15 *	7090.69 *
15.0	506.25	1092.05 *	2099.63 *	3199.92 *	4385.08 *	5267.92 *	5835.84 *	6379.92 *	6793.19 *	7166.26 *
13.0	506.26	1097.68 *	2113.65 *	3226.87 *	4433.34 *	5321.92 *	5907.39 *	6446.22 *	6883.58 *	7239.46 *
11.0	506.27	1114.96 *	2125.66 *	3250.42 *	4469.16 *	5377.36 *	5945.44 *	6504.19 *	6951.44 *	7313.49 *
9.0	506.27	1114.87 *	2135.66 *	3270.45 *	4502.15 *	5424.73 *	5984.15 *	6551.86 *	7011.81 *	7379.19 *
7.0	506.28	1114.78 *	2143.61 *	3286.81 *	4529.16 *	5457.71 *	6016.40 *	6595.23 *	7045.81 *	7423.32 *
5.0	506.28	1114.68 *	2155.99 *	3299.40 *	4549.98 *	5476.73 *	6048.17 *	6618.02 *	7076.05 *	7454.04 *
3.0	506.29	1114.59 *	2155.67 *	3312.72 *	4572.01 *	5489.20 *	6071.01 *	6637.19 *	7096.26 *	7477.33 *
1.0	506.29	1114.50 *	2155.34 *	3313.31 *	4573.13 *	5495.24 *	6083.96 *	6646.20 *	7107.89 *	7492.64 *
0.0	506.29	1114.45 *	2155.18 *	3313.60 *	4573.69 *	5495.90 *	6086.43 *	6646.76 *	7108.50 *	7493.76 *
-1.0	506.29	1114.45 *	2154.94 *	3312.94 *	4572.26 *	5494.57 *	6085.70 *	6644.92 *	7108.18 *	7493.71 *
-3.0	506.29	1114.05 *	2154.46 *	3311.63 *	4569.40 *	5487.15 *	6076.05 *	6632.94 *	7097.26 *	7479.23 *
-5.0	506.28	1113.78 *	2153.98 *	3297.41 *	4545.56 *	5473.20 *	6056.04 *	6609.60 *	7078.11 *	7453.43 *
-7.0	506.28	1113.51 *	2140.82 *	3283.80 *	4522.87 *	5452.52 *	6026.31 *	6581.23 *	7049.50 *	7414.72 *
-9.0	506.27	1113.25 *	2132.10 *	3266.20 *	4493.91 *	5418.87 *	5993.05 *	6542.74 *	7017.65 *	7367.19 *
-11.0	506.27	1112.98 *	2121.36 *	3244.65 *	4458.85 *	5372.82 *	5950.14 *	6504.54 *	6961.56 *	7314.36 *
-13.0	506.26	1095.38 *	2108.62 *	3219.24 *	4420.86 *	5320.22 *	5905.94 *	6448.45 *	6901.16 *	7253.07 *
-15.0	506.25	1089.42 *	2093.90 *	3190.04 *	4368.84 *	5264.66 *	5834.23 *	6377.58 *	6826.32 *	7172.12 *
-17.0	506.24	1082.68 *	2077.23 *	3159.09 *	4313.68 *	5203.44 *	5763.57 *	6304.09 *	6740.18 *	7079.95 *
-19.5	506.22	1073.15 *	2053.69 *	3117.23 *	4241.71 *	5119.04 *	5664.08 *	6202.26 *	6605.83 *	6957.83 *
-22.5	506.20	1060.15 *	2024.06 *	3062.45 *	4153.04 *	5003.25 *	5538.97 *	6050.61 *	6474.02 *	6811.89 *
-25.5	506.17	1045.47 *	1992.41 *	2994.79 *	4044.93 *	4862.98 *	5389.71 *	5865.67 *	6277.61 *	6598.37 *
-29.0	506.14	1026.28 *	1950.60 *	2909.05 *	3915.24 *	4697.50 *	5191.54 *	5649.59 *	6043.90 *	6379.20 *
-33.0	506.10	1001.72 *	1892.49 *	2799.60 *	3744.32 *	4464.69 *	4942.32 *	5381.22 *	5721.31 *	6034.45 *
-37.5	506.04	975.61 *	1819.86 *	2658.74 *	3554.28 *	4196.57 *	4649.79 *	5046.72 *	5375.39 *	5639.91 *
-42.5	505.98	936.23 *	1733.62 *	2490.39 *	3284.04 *	3878.04 *	4265.17 *	4653.58 *	4928.28 *	5178.93 *
-47.5	505.90	897.79 *	1639.28 *	2311.61 *	3026.20 *	3549.51 *	3874.63 *	4200.05 *	4463.91 *	4691.38 *
-55.0	505.78	835.61	1488.93 *	2032.22 *	2606.20 *	3022.86 *	3284.68 *	3527.55 *	3740.98 *	3906.04 *
-65.0	505.60	748.79	1254.11 *	1651.51 *	2025.77 *	2300.46 *	2483.05 *	2640.68 *	2777.94 *	2892.19 *
-75.0	505.41	653.23	943.44 *	1240.86 *	1468.79 *	1613.16 *	1701.76 *	1788.03 *	1862.63 *	1922.39 *
-85.0	505.20	552.78	643.19	728.33	806.26	861.86	895.66 *	928.39 *	948.78 *	968.61 *
-90.0	505.10	501.88	495.44	488.41	479.66	473.09	461.30	442.13	424.88	409.54

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	548.35	549.86	551.41	552.69	553.72	554.74	555.77	556.79	557.81	558.83

# IES FLOOD REPORT

PHOTOMETRIC FILENAME : GC301-200W-P540-D1-PCD-HK.IES

## CANDELA TABULATION - (Cont.)

85.0	1107.65	* 1123.86	* 1138.10	* 1148.82	* 1156.58	* 1163.61	* 1182.60	* 1183.94	* 1185.27	* 1186.60	*
75.0	2078.48	* 2116.83	* 2150.91	* 2176.66	* 2195.15	* 2211.74	* 2226.39	* 2239.07	* 2249.74	* 2264.90	*
65.0	3083.34	* 3155.26	* 3213.71	* 3258.81	* 3293.72	* 3328.18	* 3357.69	* 3382.33	* 3402.21	* 3417.42	*
55.0	4181.17	* 4285.13	* 4372.28	* 4438.89	* 4487.22	* 4534.21	* 4576.20	* 4614.65	* 4646.60	* 4672.03	*
47.5	4967.70	* 5105.77	* 5228.86	* 5319.69	* 5388.98	* 5446.96	* 5493.70	* 5535.08	* 5567.86	* 5590.58	*
42.5	5476.49	* 5642.58	* 5771.49	* 5871.38	* 5937.14	* 6006.51	* 6055.80	* 6101.69	* 6135.72	* 6163.65	*
37.5	5965.12	* 6115.07	* 6278.79	* 6375.58	* 6449.88	* 6511.96	* 6571.34	* 6629.05	* 6683.52	* 6716.43	*
33.0	6337.46	* 6529.69	* 6695.76	* 6820.61	* 6895.12	* 6945.62	* 7012.98	* 7088.86	* 7136.99	* 7178.18	*
29.0	6687.94	* 6873.04	* 7022.05	* 7151.53	* 7244.08	* 7314.70	* 7373.70	* 7450.35	* 7506.35	* 7552.57	*
25.5	6915.70	* 7114.54	* 7283.72	* 7411.98	* 7522.15	* 7613.07	* 7685.26	* 7743.91	* 7784.81	* 7823.39	*
22.5	7096.35	* 7300.33	* 7486.37	* 7644.71	* 7745.88	* 7810.44	* 7870.36	* 7933.93	* 8002.47	* 8062.76	*
19.5	7252.29	* 7472.87	* 7695.46	* 7824.89	* 7916.22	* 8010.98	* 8079.01	* 8138.03	* 8189.37	* 8245.18	*
17.0	7381.53	* 7606.46	* 7814.26	* 7972.81	* 8053.02	* 8142.36	* 8224.31	* 8274.86	* 8329.71	* 8386.69	*
15.0	7467.31	* 7709.08	* 7905.78	* 8048.89	* 8171.36	* 8250.34	* 8330.47	* 8391.33	* 8445.04	* 8492.69	*
13.0	7532.70	* 7778.93	* 7998.44	* 8141.91	* 8242.12	* 8350.03	* 8403.77	* 8482.72	* 8545.73	* 8577.21	*
11.0	7599.27	* 7842.18	* 8057.84	* 8199.64	* 8324.16	* 8394.20	* 8492.84	* 8581.26	* 8610.04	* 8671.20	*
9.0	7667.85	* 7913.43	* 8131.56	* 8275.93	* 8363.56	* 8456.70	* 8566.78	* 8633.90	* 8676.08	* 8695.94	*
7.0	7715.89	* 7965.03	* 8170.28	* 8307.43	* 8399.08	* 8509.48	* 8596.78	* 8653.26	* 8732.07	* 8752.43	*
5.0	7757.43	* 8001.68	* 8183.96	* 8331.76	* 8432.21	* 8525.96	* 8586.46	* 8672.57	* 8740.90	* 8775.17	*
3.0	7785.05	* 8022.63	* 8208.34	* 8355.64	* 8460.97	* 8555.77	* 8614.80	* 8692.13	* 8733.65	* 8791.68	*
1.0	7800.55	* 8033.67	* 8218.18	* 8369.37	* 8466.35	* 8574.71	* 8634.04	* 8693.50	* 8756.98	* 8817.48	*
0.0	7803.43	* 8034.43	* 8217.26	* 8367.74	* 8461.45	* 8574.32	* 8639.70	* 8683.62	* 8766.20	* 8810.52	*
-1.0	7800.37	* 8030.19	* 8218.69	* 8368.11	* 8468.31	* 8573.39	* 8641.83	* 8702.37	* 8760.49	* 8817.62	*
-3.0	7783.61	* 8013.77	* 8210.12	* 8355.81	* 8464.62	* 8550.83	* 8645.21	* 8720.32	* 8729.41	* 8819.85	*
-5.0	7752.15	* 7991.72	* 8185.23	* 8343.24	* 8432.07	* 8515.04	* 8641.67	* 8687.72	* 8728.57	* 8754.65	*
-7.0	7703.32	* 7959.70	* 8155.79	* 8325.24	* 8390.59	* 8504.00	* 8552.50	* 8652.46	* 8685.82	* 8714.73	*
-9.0	7643.34	* 7917.66	* 8096.18	* 8260.74	* 8361.69	* 8425.86	* 8523.30	* 8558.05	* 8647.25	* 8696.22	*
-11.0	7602.61	* 7848.65	* 8026.75	* 8184.53	* 8289.92	* 8389.35	* 8443.29	* 8518.40	* 8544.54	* 8618.31	*
-13.0	7542.37	* 7759.61	* 7977.83	* 8108.94	* 8204.46	* 8295.16	* 8393.49	* 8418.91	* 8484.39	* 8494.40	*
-15.0	7454.82	* 7668.02	* 7894.75	* 8029.28	* 8125.94	* 8201.63	* 8280.61	* 8363.32	* 8393.81	* 8418.03	*
-17.0	7359.89	* 7578.76	* 7781.20	* 7945.90	* 8032.90	* 8103.44	* 8178.43	* 8244.39	* 8309.75	* 8347.71	*
-19.5	7225.72	* 7438.37	* 7637.98	* 7780.42	* 7883.95	* 7974.16	* 8038.81	* 8086.15	* 8134.56	* 8178.65	*
-22.5	7044.78	* 7256.60	* 7434.79	* 7577.48	* 7677.69	* 7753.73	* 7811.38	* 7881.36	* 7942.39	* 7985.36	*
-25.5	6856.98	* 7040.16	* 7216.57	* 7356.72	* 7443.56	* 7535.81	* 7609.42	* 7659.67	* 7710.02	* 7750.95	*
-29.0	6602.79	* 6809.04	* 6950.50	* 7073.34	* 7151.82	* 7240.60	* 7319.26	* 7358.77	* 7406.81	* 7452.44	*
-33.0	6267.39	* 6468.48	* 6619.69	* 6735.66	* 6822.06	* 6903.68	* 6960.40	* 7007.25	* 7038.80	* 7070.43	*
-37.5	5862.47	* 6039.46	* 6183.31	* 6286.31	* 6368.77	* 6435.36	* 6496.06	* 6548.26	* 6595.58	* 6616.69	*
-42.5	5382.98	* 5547.91	* 5661.47	* 5762.73	* 5837.26	* 5909.28	* 5952.19	* 5994.93	* 6027.79	* 6051.90	*
-47.5	4845.24	* 4988.08	* 5089.84	* 5172.45	* 5268.29	* 5334.75	* 5372.60	* 5405.21	* 5434.35	* 5458.22	*
-55.0	4048.31	* 4148.60	* 4246.86	* 4321.40	* 4373.69	* 4422.33	* 4457.78	* 4489.53	* 4514.74	* 4533.47	*
-65.0	2981.54	* 3054.80	* 3117.67	* 3162.42	* 3191.84	* 3216.36	* 3237.79	* 3255.96	* 3270.71	* 3281.88	*
-75.0	1965.45	* 1996.73	* 2027.61	* 2052.86	* 2070.77	* 2086.61	* 2100.40	* 2112.11	* 2121.74	* 2135.73	*
-85.0	983.88	* 995.31	* 1005.64	* 1013.25	* 1018.63	* 1023.33	* 1041.19	* 1039.93	* 1038.67	* 1037.41	*
-90.0	396.12	384.62	372.60	362.59	354.57	346.55	338.53	330.51	322.49	314.46	

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	559.85	560.86	561.37	556.44	546.59	536.73	526.87	517.01	507.15	497.29
85.0	1187.93	* 1189.26	* 1189.93	* 1190.30	* 1191.05	* 1191.80	* 1192.55	* 1193.30	* 1194.05	* 1176.23
75.0	2267.31	* 2269.72	* 2270.93	* 2270.40	* 2269.33	* 2268.27	* 2254.46	* 2245.14	* 2233.83	* 2220.56
65.0	3432.90	* 3434.85	* 3435.83	* 3436.01	* 3436.36	* 3423.61	* 3411.44	* 3395.16	* 3374.83	* 3350.49
55.0	4698.19	* 4704.23	* 4707.26	* 4706.13	* 4703.87	* 4681.36	* 4659.47	* 4630.88	* 4595.56	* 4556.46
47.5	5606.49	* 5616.12	* 5618.75	* 5620.41	* 5619.23	* 5611.37	* 5596.03	* 5568.59	* 5529.25	* 5481.41
42.5	6182.03	* 6190.72	* 6191.40	* 6191.37	* 6184.08	* 6167.39	* 6141.61	* 6113.08	* 6076.01	* 6037.55
37.5	6744.26	* 6760.83	* 6765.04	* 6763.84	* 6753.71	* 6733.60	* 6709.91	* 6667.56	* 6624.34	* 6571.53
33.0	7205.79	* 7222.59	* 7225.25	* 7228.55	* 7223.47	* 7207.16	* 7176.52	* 7138.17	* 7070.11	* 6998.32

# IES FLOOD REPORT

PHOTOMETRIC FILENAME : GC301-200W-P540-D1-PCD-HK.IES

## CANDELA TABULATION - (Cont.)

29.0	7589.21	* 7615.30	* 7619.52	* 7618.17	* 7597.61	* 7565.96	* 7523.84	* 7478.74	* 7428.49	* 7383.70	*
25.5	7856.78	* 7879.72	* 7887.13	* 7887.25	* 7878.00	* 7854.28	* 7818.34	* 7770.90	* 7723.99	* 7651.95	*
22.5	8098.54	* 8121.96	* 8129.74	* 8127.02	* 8114.61	* 8092.23	* 8041.15	* 7986.35	* 7950.69	* 7856.31	*
19.5	8276.65	* 8300.84	* 8309.50	* 8307.34	* 8292.42	* 8264.76	* 8231.39	* 8185.14	* 8128.46	* 8045.26	*
17.0	8426.90	* 8457.18	* 8463.00	* 8459.27	* 8436.34	* 8411.37	* 8381.84	* 8326.99	* 8255.98	* 8179.76	*
15.0	8527.02	* 8539.45	* 8539.84	* 8549.81	* 8556.51	* 8537.27	* 8474.85	* 8417.52	* 8360.98	* 8281.71	*
13.0	8605.34	* 8628.89	* 8636.45	* 8637.18	* 8632.01	* 8626.47	* 8592.73	* 8507.08	* 8432.08	* 8367.04	*
11.0	8672.90	* 8693.79	* 8701.30	* 8699.80	* 8686.00	* 8680.70	* 8620.56	* 8591.21	* 8503.64	* 8422.30	*
9.0	8715.87	* 8756.78	* 8768.73	* 8772.82	* 8755.18	* 8725.61	* 8691.07	* 8620.33	* 8566.24	* 8490.18	*
7.0	8782.43	* 8817.08	* 8836.39	* 8837.08	* 8809.47	* 8785.73	* 8753.87	* 8687.21	* 8619.97	* 8541.33	*
5.0	8803.99	* 8839.38	* 8886.93	* 8856.43	* 8838.13	* 8847.81	* 8766.49	* 8728.21	* 8657.90	* 8531.71	*
3.0	8829.15	* 8830.24	* 8859.60	* 8850.21	* 8831.85	* 8845.76	* 8766.93	* 8739.16	* 8661.94	* 8582.80	*
1.0	8837.44	* 8882.72	* 8880.58	* 8876.07	* 8857.83	* 8805.23	* 8792.39	* 8750.50	* 8658.83	* 8588.66	*
0.0	8821.89	* 8850.88	* 8862.05	* 8869.40	* 8829.72	* 8775.91	* 8787.36	* 8754.52	* 8649.17	* 8577.20	*
-1.0	8822.45	* 8839.70	* 8890.64	* 8875.22	* 8810.00	* 8769.76	* 8767.81	* 8730.19	* 8645.07	* 8564.39	*
-3.0	8862.84	* 8835.90	* 8840.26	* 8838.44	* 8829.57	* 8764.94	* 8699.69	* 8669.01	* 8611.40	* 8534.19	*
-5.0	8818.01	* 8839.71	* 8846.18	* 8826.20	* 8786.95	* 8774.77	* 8700.25	* 8645.85	* 8562.19	* 8517.30	*
-7.0	8725.27	* 8790.24	* 8784.66	* 8773.25	* 8728.24	* 8710.86	* 8688.71	* 8618.32	* 8533.55	* 8488.96	*
-9.0	8725.58	* 8731.11	* 8734.87	* 8720.52	* 8685.83	* 8669.95	* 8626.46	* 8577.88	* 8529.66	* 8439.96	*
-11.0	8625.73	* 8636.16	* 8636.21	* 8642.74	* 8624.39	* 8573.85	* 8548.57	* 8530.14	* 8459.34	* 8362.63	*
-13.0	8541.99	* 8568.70	* 8571.56	* 8564.38	* 8538.23	* 8513.36	* 8493.37	* 8434.18	* 8367.42	* 8290.60	*
-15.0	8446.45	* 8451.32	* 8446.47	* 8452.55	* 8449.05	* 8419.32	* 8391.10	* 8344.85	* 8272.32	* 8184.38	*
-17.0	8355.44	* 8345.73	* 8338.45	* 8344.84	* 8350.13	* 8331.43	* 8283.01	* 8230.61	* 8167.85	* 8111.06	*
-19.5	8201.10	* 8205.77	* 8203.61	* 8203.97	* 8197.22	* 8176.79	* 8139.73	* 8081.59	* 8009.49	* 7950.21	*
-22.5	8007.39	* 8020.95	* 8023.08	* 8017.60	* 7997.54	* 7969.57	* 7925.42	* 7870.77	* 7822.65	* 7766.38	*
-25.5	7775.98	* 7792.23	* 7796.88	* 7793.42	* 7778.96	* 7753.95	* 7712.03	* 7659.03	* 7595.62	* 7528.24	*
-29.0	7485.38	* 7506.73	* 7509.65	* 7506.21	* 7484.67	* 7453.82	* 7413.99	* 7362.18	* 7294.14	* 7240.70	*
-33.0	7094.05	* 7109.49	* 7110.89	* 7109.44	* 7092.80	* 7065.19	* 7024.94	* 6980.37	* 6923.04	* 6864.17	*
-37.5	6634.30	* 6642.63	* 6643.25	* 6641.08	* 6629.23	* 6606.88	* 6579.59	* 6528.72	* 6473.51	* 6410.97	*
-42.5	6067.79	* 6074.88	* 6074.96	* 6073.41	* 6062.87	* 6042.08	* 6010.66	* 5975.77	* 5934.85	* 5895.74	*
-47.5	5473.65	* 5480.78	* 5481.29	* 5479.80	* 5470.93	* 5454.44	* 5430.63	* 5401.13	* 5366.43	* 5325.80	*
-55.0	4552.75	* 4552.60	* 4552.52	* 4553.15	* 4554.41	* 4535.71	* 4517.17	* 4491.45	* 4458.29	* 4420.55	*
-65.0	3293.83	* 3293.40	* 3293.19	* 3291.90	* 3289.32	* 3274.82	* 3261.44	* 3245.10	* 3226.12	* 3204.83	*
-75.0	2137.11	* 2138.50	* 2139.19	* 2139.00	* 2138.61	* 2138.22	* 2125.06	* 2116.22	* 2105.20	* 2091.97	*
-85.0	1036.15	* 1034.89	* 1034.26	* 1034.55	* 1035.13	* 1035.71	* 1036.28	* 1036.86	* 1037.44	* 1016.96	*
-90.0	306.43	298.40	294.39	293.92	292.98	292.03	291.09	290.14	289.19	288.24	

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	487.42	477.55	465.21	450.39	461.76	475.02	490.18	507.23	526.18	527.25
85.0	1170.81	* 1164.50	* 1155.37	* 1142.51	* 1124.14	* 1100.59	* 1071.04	* 1039.67	* 993.36	* 936.68
75.0	2205.35	* 2188.24	* 2164.25	* 2131.27	* 2092.43	* 2042.37	* 1979.16	* 1903.46	* 1811.56	* 1706.33
65.0	3322.21	* 3290.73	* 3246.09	* 3183.86	* 3110.58	* 3016.50	* 2896.25	* 2747.47	* 2578.24	* 2396.92
55.0	4512.18	* 4466.33	* 4398.92	* 4301.43	* 4189.99	* 4055.56	* 3892.30	* 3663.05	* 3410.36	* 3120.74
47.5	5425.05	* 5360.92	* 5267.60	* 5145.80	* 5005.66	* 4813.54	* 4601.54	* 4336.21	* 4003.40	* 3652.04
42.5	5959.70	* 5888.53	* 5807.94	* 5689.43	* 5523.92	* 5309.88	* 5073.70	* 4748.41	* 4397.89	* 3984.16
37.5	6505.38	* 6412.17	* 6303.03	* 6157.62	* 5993.89	* 5770.94	* 5493.76	* 5162.20	* 4737.58	* 4309.13
33.0	6913.52	* 6838.27	* 6724.79	* 6563.02	* 6394.26	* 6153.95	* 5846.49	* 5483.86	* 5045.25	* 4565.30
29.0	7317.19	* 7217.92	* 7070.00	* 6898.04	* 6699.94	* 6468.62	* 6135.26	* 5754.65	* 5279.42	* 4778.78
25.5	7563.95	* 7471.00	* 7344.59	* 7164.65	* 6959.73	* 6693.11	* 6371.16	* 5951.76	* 5471.83	* 4951.12
22.5	7776.62	* 7679.49	* 7546.51	* 7355.27	* 7154.01	* 6884.61	* 6531.90	* 6105.26	* 5621.54	* 5074.97
19.5	7975.83	* 7855.48	* 7729.96	* 7532.86	* 7323.65	* 7046.13	* 6695.20	* 6251.46	* 5744.71	* 5184.84
17.0	8100.34	* 8018.21	* 7848.26	* 7653.70	* 7445.78	* 7170.81	* 6806.67	* 6360.53	* 5834.92	* 5267.38
15.0	8180.71	* 8088.08	* 7957.99	* 7752.08	* 7519.95	* 7258.70	* 6882.08	* 6427.50	* 5894.88	* 5325.25
13.0	8281.54	* 8174.06	* 8011.11	* 7825.80	* 7591.12	* 7323.49	* 6964.42	* 6494.36	* 5953.79	* 5376.94
11.0	8347.59	* 8257.05	* 8084.31	* 7905.38	* 7662.13	* 7374.11	* 7011.39	* 6551.08	* 5996.92	* 5421.05

# IES FLOOD REPORT

PHOTOMETRIC FILENAME : GC301-200W-P540-D1-PCD-HK.IES

## CANDELA TABULATION - (Cont.)

9.0	8387.72 *	8315.54 *	8162.36 *	7943.42 *	7720.65 *	7431.44 *	7046.57 *	6596.05 *	6042.18 *	5457.13 *
7.0	8440.06 *	8341.81 *	8222.42 *	7976.84 *	7770.06 *	7473.08 *	7083.59 *	6636.15 *	6078.39 *	5484.77 *
5.0	8498.40 *	8367.42 *	8237.07 *	8010.65 *	7811.96 *	7499.52 *	7117.74 *	6657.60 *	6099.95 *	5504.41 *
3.0	8512.03 *	8403.70 *	8246.53 *	8044.94 *	7834.23 *	7518.18 *	7139.15 *	6675.47 *	6113.26 *	5516.50 *
1.0	8506.93 *	8437.28 *	8250.09 *	8066.63 *	7843.75 *	7529.23 *	7148.81 *	6682.53 *	6118.76 *	5520.86 *
0.0	8500.12 *	8444.45 *	8246.01 *	8071.12 *	7844.31 *	7529.15 *	7145.63 *	6681.78 *	6118.73 *	5520.09 *
-1.0	8495.64 *	8431.50 *	8237.41 *	8063.79 *	7837.94 *	7524.71 *	7141.70 *	6677.59 *	6115.95 *	5518.90 *
-3.0	8478.94 *	8384.59 *	8210.87 *	8038.60 *	7817.59 *	7503.53 *	7118.10 *	6660.78 *	6104.67 *	5510.44 *
-5.0	8445.57 *	8330.58 *	8181.88 *	8006.73 *	7786.81 *	7471.91 *	7083.53 *	6633.49 *	6085.13 *	5493.68 *
-7.0	8388.30 *	8266.75 *	8135.75 *	7949.30 *	7735.21 *	7427.90 *	7037.47 *	6603.07 *	6056.61 *	5468.41 *
-9.0	8333.40 *	8207.15 *	8078.78 *	7881.16 *	7675.44 *	7366.20 *	6989.83 *	6554.57 *	6015.98 *	5435.34 *
-11.0	8262.33 *	8167.57 *	8030.55 *	7832.72 *	7606.25 *	7289.19 *	6932.75 *	6501.80 *	5968.33 *	5395.00 *
-13.0	8183.87 *	8105.84 *	7963.57 *	7772.11 *	7530.81 *	7235.08 *	6871.53 *	6444.08 *	5923.95 *	5346.97 *
-15.0	8151.29 *	8011.64 *	7869.58 *	7683.95 *	7448.99 *	7171.99 *	6805.02 *	6382.94 *	5854.61 *	5287.97 *
-17.0	8006.69 *	7914.18 *	7794.20 *	7582.40 *	7358.82 *	7072.30 *	6723.21 *	6302.95 *	5788.66 *	5218.64 *
-19.5	7868.52 *	7795.44 *	7641.61 *	7454.22 *	7249.98 *	6949.89 *	6613.02 *	6192.24 *	5713.06 *	5128.93 *
-22.5	7678.85 *	7581.31 *	7460.64 *	7290.66 *	7066.91 *	6810.82 *	6454.30 *	6037.07 *	5586.06 *	5010.85 *
-25.5	7455.79 *	7374.22 *	7257.42 *	7077.94 *	6873.76 *	6615.20 *	6286.96 *	5885.87 *	5407.76 *	4878.50 *
-29.0	7174.05 *	7082.83 *	6959.92 *	6818.37 *	6623.14 *	6392.52 *	6054.36 *	5696.18 *	5202.25 *	4717.14 *
-33.0	6807.66 *	6729.52 *	6614.70 *	6450.72 *	6286.02 *	6063.06 *	5760.18 *	5403.07 *	4952.47 *	4502.29 *
-37.5	6347.28 *	6286.39 *	6186.37 *	6039.46 *	5885.27 *	5675.31 *	5400.17 *	5069.40 *	4660.06 *	4232.16 *
-42.5	5830.23 *	5766.81 *	5677.48 *	5544.45 *	5393.77 *	5212.40 *	4959.78 *	4654.00 *	4300.06 *	3925.77 *
-47.5	5276.26 *	5221.26 *	5128.73 *	5007.38 *	4873.66 *	4703.64 *	4486.92 *	4224.61 *	3926.58 *	3573.60 *
-55.0	4373.21 *	4322.74 *	4257.12 *	4174.51 *	4077.45 *	3944.25 *	3764.17 *	3553.33 *	3320.23 *	3035.64 *
-65.0	3181.55 *	3154.00 *	3112.65 *	3056.79 *	2989.04 *	2905.44 *	2795.44 *	2662.09 *	2514.66 *	2333.17 *
-75.0	2076.52 *	2058.82 *	2033.54 *	2002.72 *	1973.28 *	1932.86 *	1880.77 *	1817.06 *	1735.44 *	1642.28 *
-85.0	1010.55 *	1003.14 *	992.49 *	977.67 *	968.10 *	955.24 *	938.99 *	924.41 *	899.63 *	857.90
-90.0	287.29	286.33	285.14	283.69	303.99	327.67	354.72	385.15	418.97	435.86

## 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	502.03	468.41	442.65	419.55	408.03
85.0	832.35	693.11	555.74	450.00	408.08
75.0	1543.37 *	1258.17 *	831.98	503.32	408.19
65.0	2117.30 *	1713.51 *	1188.41 *	549.98	408.29
55.0	2680.04 *	2107.97 *	1498.80 *	643.94	408.38
47.5	3106.95 *	2365.52 *	1675.27 *	707.07	408.44
42.5	3362.22 *	2546.94 *	1762.77 *	745.05	408.48
37.5	3620.43 *	2706.95 *	1847.05 *	783.94	408.51
33.0	3832.98 *	2837.20 *	1920.01 *	807.77	408.54
29.0	3986.17 *	2951.15 *	1978.55 *	830.07	408.56
25.5	4134.93 *	3040.05 *	2023.58 *	847.12	408.57
22.5	4226.65 *	3108.78 *	2057.39 *	859.85	408.59
19.5	4321.12 *	3163.47 *	2086.61 *	870.83	408.60
17.0	4387.62 *	3203.27 *	2107.70 *	878.61	408.61
15.0	4431.54 *	3231.83 *	2122.55 *	883.93	408.61
13.0	4472.64 *	3259.65 *	2135.57 *	888.45	408.62
11.0	4504.83 *	3284.29 *	2146.72 *	904.38 *	408.62
9.0	4533.74 *	3305.49 *	2155.97 *	903.24 *	408.63
7.0	4556.48 *	3322.98 *	2163.29 *	902.09 *	408.63
5.0	4573.01 *	3336.49 *	2174.99 *	900.93 *	408.63
3.0	4590.32 *	3351.12 *	2174.28 *	899.77 *	408.63
1.0	4588.19 *	3351.09 *	2173.57 *	898.03 *	408.63
0.0	4587.12 *	3351.07 *	2173.22 *	898.03 *	408.63
-1.0	4587.06 *	3350.29 *	2173.05 *	898.38 *	408.63
-3.0	4586.95 *	3348.72 *	2172.71 *	899.08 *	408.63

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : GC301-200W-P540-D1-PCD-HK.IES**

**CANDELA TABULATION - (Cont.)**

<b>-5.0</b>	4566.63 *	3332.22 *	2172.37 *	899.78 *	408.63
<b>-7.0</b>	4546.51 *	3316.65 *	2159.56 *	900.47 *	408.63
<b>-9.0</b>	4519.17 *	3296.75 *	2151.13 *	901.16 *	408.63
<b>-11.0</b>	4484.38 *	3272.68 *	2140.73 *	901.85 *	408.62
<b>-13.0</b>	4445.06 *	3244.64 *	2128.37 *	885.53	408.62
<b>-15.0</b>	4400.25 *	3212.81 *	2114.10 *	880.60	408.62
<b>-17.0</b>	4352.79 *	3180.96 *	2097.92 *	874.87	408.61
<b>-19.5</b>	4283.42 *	3138.04 *	2075.10 *	866.61	408.60
<b>-22.5</b>	4188.51 *	3079.68 *	2044.65 *	855.09	408.59
<b>-25.5</b>	4095.95 *	3017.42 *	2010.79 *	841.85	408.58
<b>-29.0</b>	3959.13 *	2935.15 *	1966.42 *	824.29	408.56
<b>-33.0</b>	3774.69 *	2818.73 *	1909.73 *	801.49	408.54
<b>-37.5</b>	3572.03 *	2677.34 *	1838.63 *	777.16	408.52
<b>-42.5</b>	3316.39 *	2506.76 *	1749.61 *	737.28	408.48
<b>-47.5</b>	3040.04 *	2340.83 *	1652.16 *	698.34	408.45
<b>-55.0</b>	2630.54 *	2060.21 *	1474.42 *	634.57	408.39
<b>-65.0</b>	2053.77 *	1670.65 *	1146.72 *	543.84	408.30
<b>-75.0</b>	1488.04 *	1189.04 *	799.19	498.23	408.20
<b>-85.0</b>	764.52	656.66	539.99	444.84	408.09
<b>-90.0</b>	435.83	435.80	426.51	414.17	408.04



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : GC301-200W-P540-D1-PCD-HK.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 13270.76

Total Field Lumens (one side of beam only) = 13116.04

\* 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										
	1.33	2.66	2.64	2.63	2.61	2.58	2.54	2.50	2.46	3.01
85										
	5.27 *	10.53 *	10.50 *	10.45 *	10.36 *	10.27 *	10.14 *	9.97 *	9.81 *	12.01 *
75										
	8.69 *	17.36 *	17.30 *	17.19 *	17.03 *	16.84 *	16.61 *	16.35 *	16.05 *	19.61 *
65										
	12.40 *	24.77 *	24.66 *	24.47 *	24.24 *	23.94 *	23.59 *	23.19 *	22.74 *	27.74 *
55										
	11.79 *	23.56 *	23.46 *	23.30 *	23.09 *	22.80 *	22.47 *	22.07 *	21.63 *	26.34 *
47.5										
	8.99 *	17.96 *	17.90 *	17.79 *	17.63 *	17.43 *	17.18 *	16.88 *	16.53 *	20.12 *
42.5										
	9.87 *	19.70 *	19.62 *	19.48 *	19.30 *	19.06 *	18.79 *	18.46 *	18.08 *	22.02 *
37.5										
	9.59 *	19.15 *	19.06 *	18.93 *	18.74 *	18.49 *	18.20 *	17.89 *	17.53 *	21.34 *
33										
	9.04 *	18.05 *	17.96 *	17.83 *	17.65 *	17.41 *	17.14 *	16.85 *	16.51 *	20.08 *
29										
	8.26 *	16.49 *	16.41 *	16.28 *	16.12 *	15.92 *	15.69 *	15.42 *	15.09 *	18.34 *
25.5										
	7.32 *	14.60 *	14.54 *	14.42 *	14.27 *	14.10 *	13.89 *	13.64 *	13.36 *	16.24 *
22.5										
	7.51 *	14.99 *	14.92 *	14.80 *	14.64 *	14.46 *	14.25 *	14.00 *	13.71 *	16.67 *
19.5										
	6.38 *	12.74 *	12.67 *	12.58 *	12.45 *	12.30 *	12.12 *	11.90 *	11.66 *	14.18 *
17										
	5.18 *	10.34 *	10.30 *	10.22 *	10.11 *	9.99 *	9.84 *	9.66 *	9.46 *	11.51 *
15										
	5.23 *	10.45 *	10.42 *	10.34 *	10.23 *	10.10 *	9.95 *	9.77 *	9.56 *	11.63 *
13										
	5.28 *	10.54 *	10.51 *	10.44 *	10.34 *	10.20 *	10.04 *	9.86 *	9.66 *	11.74 *
11										
	5.32 *	10.62 *	10.57 *	10.51 *	10.41 *	10.28 *	10.11 *	9.93 *	9.73 *	11.84 *
9										
	5.36 *	10.69 *	10.64 *	10.57 *	10.47 *	10.34 *	10.18 *	9.99 *	9.78 *	11.92 *
7										
	5.39 *	10.74 *	10.70 *	10.63 *	10.52 *	10.38 *	10.22 *	10.03 *	9.83 *	11.96 *
5										
	5.40 *	10.76 *	10.72 *	10.64 *	10.53 *	10.40 *	10.24 *	10.06 *	9.86 *	11.99 *
3										
	5.40 *	10.78 *	10.73 *	10.65 *	10.55 *	10.42 *	10.26 *	10.09 *	9.88 *	12.02 *
1										
	2.70 *	5.39 *	5.36 *	5.32 *	5.28 *	5.21 *	5.13 *	5.04 *	4.94 *	6.02 *
0										
	2.70 *	5.38 *	5.35 *	5.32 *	5.28 *	5.21 *	5.13 *	5.04 *	4.94 *	6.01 *
-1										
	5.40 *	10.76 *	10.71 *	10.62 *	10.52 *	10.40 *	10.24 *	10.07 *	9.87 *	12.01 *
-3										
	5.38 *	10.75 *	10.70 *	10.60 *	10.49 *	10.38 *	10.22 *	10.04 *	9.84 *	11.97 *

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : GC301-200W-P540-D1-PCD-HK.IES**

**LUMENS TABULATION - (Cont.)**

<b>-5</b>	5.37 *	10.70 *	10.64 *	10.57 *	10.47 *	10.33 *	10.18 *	10.00 *	9.80 *	11.92 *
<b>-7</b>	5.33 *	10.64 *	10.58 *	10.52 *	10.41 *	10.28 *	10.13 *	9.95 *	9.74 *	11.85 *
<b>-9</b>	5.29 *	10.56 *	10.52 *	10.44 *	10.34 *	10.22 *	10.07 *	9.88 *	9.67 *	11.76 *
<b>-11</b>	5.24 *	10.46 *	10.41 *	10.34 *	10.25 *	10.13 *	9.98 *	9.79 *	9.59 *	11.67 *
<b>-13</b>	5.18 *	10.35 *	10.30 *	10.24 *	10.15 *	10.03 *	9.87 *	9.70 *	9.50 *	11.56 *
<b>-15</b>	5.11 *	10.23 *	10.20 *	10.13 *	10.04 *	9.91 *	9.76 *	9.59 *	9.40 *	11.43 *
<b>-17</b>	6.30 *	12.60 *	12.56 *	12.48 *	12.35 *	12.19 *	12.02 *	11.81 *	11.57 *	14.08 *
<b>-19.5</b>	7.41 *	14.81 *	14.75 *	14.64 *	14.49 *	14.31 *	14.11 *	13.87 *	13.58 *	16.52 *
<b>-22.5</b>	7.23 *	14.43 *	14.36 *	14.26 *	14.11 *	13.93 *	13.73 *	13.49 *	13.21 *	16.07 *
<b>-25.5</b>	8.16 *	16.28 *	16.20 *	16.08 *	15.91 *	15.71 *	15.48 *	15.20 *	14.89 *	18.12 *
<b>-29</b>	8.91 *	17.77 *	17.68 *	17.55 *	17.37 *	17.16 *	16.91 *	16.61 *	16.27 *	19.80 *
<b>-33</b>	9.43 *	18.82 *	18.74 *	18.61 *	18.43 *	18.20 *	17.92 *	17.61 *	17.26 *	21.01 *
<b>-37.5</b>	9.68 *	19.34 *	19.26 *	19.13 *	18.95 *	18.71 *	18.44 *	18.12 *	17.75 *	21.61 *
<b>-42.5</b>	8.80 *	17.57 *	17.50 *	17.38 *	17.22 *	17.02 *	16.79 *	16.51 *	16.15 *	19.65 *
<b>-47.5</b>	11.46 *	22.90 *	22.81 *	22.65 *	22.44 *	22.18 *	21.88 *	21.50 *	21.04 *	25.60 *
<b>-55</b>	11.95 *	23.88 *	23.79 *	23.62 *	23.41 *	23.14 *	22.83 *	22.45 *	22.02 *	26.84 *
<b>-65</b>	8.27 *	16.53 *	16.48 *	16.37 *	16.22 *	16.05 *	15.84 *	15.61 *	15.33 *	18.73 *
<b>-75</b>	4.83 *	9.66 *	9.64 *	9.59 *	9.52 *	9.44 *	9.31 *	9.16 *	9.01 *	11.02 *
<b>-85</b>	1.01	2.03	2.03	2.03	2.03	2.03	2.00	1.98	1.95	2.41
<b>-90</b>										
<b>Total</b>	300.16	599.34	596.81	592.64	586.98	579.91	571.39	561.51	550.28	669.96

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b><u>19.5</u></b>	<b><u>22.5</u></b>	<b><u>25.5</u></b>	<b><u>29</u></b>	<b><u>33</u></b>	<b><u>37.5</u></b>	<b><u>42.5</u></b>	<b><u>47.5</u></b>	<b><u>55</u></b>	<b><u>65</u></b>
<b>90</b>	3.51	3.40	3.82	4.16	4.40	4.49	4.03	5.06	4.92	3.01
<b>85</b>	13.99 *	13.48 *	15.00 *	16.10 *	16.70 *	16.69 *	14.62 *	17.95 *	16.69 *	9.14
<b>75</b>	22.78 *	21.86 *	24.22 *	25.82 *	26.53 *	26.23 *	22.75 *	27.59 *	25.14 *	13.28 *
<b>65</b>	32.16 *	30.77 *	33.95 *	36.04 *	36.75 *	35.96 *	30.78 *	36.61 *	32.49 *	16.96 *
<b>55</b>	30.47 *	29.10 *	32.03 *	33.87 *	34.45 *	33.56 *	28.49 *	33.44 *	29.04 *	14.83 *
<b>47.5</b>	23.28 *	22.20 *	24.39 *	25.75 *	26.13 *	25.39 *	21.48 *	25.05 *	21.48 *	10.79 *

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : GC301-200W-P540-D1-PCD-HK.IES**

**LUMENS TABULATION - (Cont.)**

<b>42.5</b>	25.47 *	24.29 *	26.70 *	28.17 *	28.53 *	27.64 *	23.33 *	27.13 *	23.11 *	11.46 *
<b>37.5</b>	24.65 *	23.50 *	25.83 *	27.24 *	27.59 *	26.67 *	22.46 *	26.08 *	22.11 *	10.85 *
<b>33</b>	23.19 *	22.11 *	24.28 *	25.58 *	25.88 *	25.02 *	21.04 *	24.37 *	20.59 *	10.03 *
<b>29</b>	21.19 *	20.20 *	22.19 *	23.35 *	23.59 *	22.81 *	19.17 *	22.17 *	18.68 *	9.05 *
<b>25.5</b>	18.74 *	17.86 *	19.62 *	20.66 *	20.85 *	20.14 *	16.94 *	19.57 *	16.46 *	7.94 *
<b>22.5</b>	19.23 *	18.31 *	20.10 *	21.19 *	21.37 *	20.62 *	17.36 *	20.04 *	16.81 *	8.08 *
<b>19.5</b>	16.36 *	15.57 *	17.09 *	18.01 *	18.17 *	17.53 *	14.74 *	17.02 *	14.25 *	6.83 *
<b>17</b>	13.28 *	12.63 *	13.86 *	14.60 *	14.74 *	14.23 *	11.95 *	13.79 *	11.54 *	5.52 *
<b>15</b>	13.42 *	12.77 *	14.00 *	14.75 *	14.90 *	14.39 *	12.08 *	13.94 *	11.65 *	5.56 *
<b>13</b>	13.54 *	12.88 *	14.13 *	14.90 *	15.05 *	14.52 *	12.19 *	14.07 *	11.75 *	5.60 *
<b>11</b>	13.66 *	12.99 *	14.25 *	15.02 *	15.17 *	14.63 *	12.29 *	14.18 *	11.83 *	5.64 *
<b>9</b>	13.75 *	13.08 *	14.35 *	15.11 *	15.27 *	14.73 *	12.37 *	14.27 *	11.91 *	5.67 *
<b>7</b>	13.81 *	13.15 *	14.43 *	15.19 *	15.34 *	14.80 *	12.43 *	14.34 *	11.96 *	5.69 *
<b>5</b>	13.85 *	13.20 *	14.48 *	15.24 *	15.39 *	14.85 *	12.47 *	14.39 *	12.01 *	5.71 *
<b>3</b>	13.88 *	13.24 *	14.52 *	15.27 *	15.43 *	14.88 *	12.49 *	14.41 *	12.04 *	5.72 *
<b>1</b>	6.95 *	6.63 *	7.27 *	7.64 *	7.72 *	7.45 *	6.25 *	7.21 *	6.02 *	2.86 *
<b>0</b>	6.94 *	6.62 *	7.26 *	7.64 *	7.72 *	7.44 *	6.25 *	7.21 *	6.02 *	2.86 *
<b>-1</b>	13.87 *	13.23 *	14.51 *	15.26 *	15.41 *	14.87 *	12.49 *	14.41 *	12.03 *	5.72 *
<b>-3</b>	13.83 *	13.19 *	14.46 *	15.22 *	15.36 *	14.83 *	12.46 *	14.37 *	12.00 *	5.71 *
<b>-5</b>	13.77 *	13.12 *	14.39 *	15.15 *	15.30 *	14.77 *	12.41 *	14.31 *	11.95 *	5.69 *
<b>-7</b>	13.69 *	13.04 *	14.29 *	15.06 *	15.21 *	14.69 *	12.35 *	14.24 *	11.88 *	5.66 *
<b>-9</b>	13.59 *	12.94 *	14.18 *	14.94 *	15.11 *	14.59 *	12.26 *	14.14 *	11.80 *	5.63 *
<b>-11</b>	13.48 *	12.83 *	14.07 *	14.82 *	14.99 *	14.48 *	12.16 *	14.02 *	11.71 *	5.59 *
<b>-13</b>	13.35 *	12.70 *	13.93 *	14.68 *	14.84 *	14.34 *	12.04 *	13.88 *	11.60 *	5.54 *
<b>-15</b>	13.19 *	12.55 *	13.77 *	14.51 *	14.68 *	14.17 *	11.90 *	13.72 *	11.48 *	5.50 *
<b>-17</b>	16.24 *	15.46 *	16.96 *	17.86 *	18.08 *	17.47 *	14.67 *	16.91 *	14.16 *	6.80 *
<b>-19.5</b>	19.07 *	18.16 *	19.94 *	21.02 *	21.25 *	20.55 *	17.27 *	19.90 *	16.69 *	8.04 *
<b>-22.5</b>	18.57 *	17.69 *	19.43 *	20.49 *	20.70 *	20.02 *	16.83 *	19.42 *	16.34 *	7.89 *

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : GC301-200W-P540-D1-PCD-HK.IES**

**LUMENS TABULATION - (Cont.)**

<b>-25.5</b>	20.95 *	19.98 *	21.95 *	23.14 *	23.38 *	22.60 *	19.00 *	21.99 *	18.55 *	9.00 *
<b>-29</b>	22.90 *	21.84 *	24.00 *	25.30 *	25.58 *	24.74 *	20.82 *	24.13 *	20.43 *	9.98 *
<b>-33</b>	24.28 *	23.15 *	25.44 *	26.83 *	27.17 *	26.31 *	22.17 *	25.75 *	21.90 *	10.78 *
<b>-37.5</b>	24.99 *	23.84 *	26.20 *	27.65 *	28.04 *	27.19 *	22.95 *	26.76 *	22.87 *	11.36 *
<b>-42.5</b>	22.74 *	21.69 *	23.86 *	25.21 *	25.58 *	24.86 *	21.06 *	24.64 *	21.22 *	10.68 *
<b>-47.5</b>	29.62 *	28.30 *	31.18 *	32.99 *	33.53 *	32.71 *	27.85 *	32.80 *	28.59 *	14.63 *
<b>-55</b>	31.10 *	29.77 *	32.87 *	34.89 *	35.62 *	34.97 *	30.00 *	35.74 *	31.81 *	16.62 *
<b>-65</b>	21.76 *	20.89 *	23.17 *	24.76 *	25.50 *	25.29 *	21.97 *	26.66 *	24.32 *	12.87 *
<b>-75</b>	12.83 *	12.38 *	13.82 *	14.89 *	15.51 *	15.59 *	13.74 *	16.97 *	15.86 *	8.77
<b>-85</b>	2.82	2.76	3.15	3.48	3.74	3.90	3.57	4.57	4.56	2.87
<b>-90</b>										
<b>Total</b>	774.73	739.36	813.34	859.43	872.25	847.59	717.92	839.21	720.24	358.42

<b>Vert. Angles</b>	<b>Horizontal Angles</b>			
	<b><u>75</u></b>	<b><u>85</u></b>	<b><u>90</u></b>	<b><u>Total</u></b>
<b>90</b>				
	1.36	0.16		67.26
<b>85</b>				
	3.43	0.33		253.44
<b>75</b>				
	4.45	0.36		404.05
<b>65</b>				
	5.46 *	0.38		560.06
<b>55</b>				
	4.67 *	0.31		524.78
<b>47.5</b>				
	3.35 *	0.21		397.92
<b>42.5</b>				
	3.51 *	0.22		433.95
<b>37.5</b>				
	3.29 *	0.20		419.38
<b>33</b>				
	3.02 *	0.18		393.84
<b>29</b>				
	2.71 *	0.16		359.29
<b>25.5</b>				
	2.36 *	0.14		317.66
<b>22.5</b>				
	2.40 *	0.14		325.58
<b>19.5</b>				
	2.02 *	0.12		276.68
<b>17</b>				
	1.63 *	0.10		224.46
<b>15</b>				
	1.64 *	0.10		226.90

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : GC301-200W-P540-D1-PCD-HK.IES**

**LUMENS TABULATION - (Cont.)**

<b>13</b>			
	1.65 *	0.10	228.99
<b>11</b>			
	1.66 *	0.10	230.74
<b>9</b>			
	1.67 *	0.10	232.22
<b>7</b>			
	1.67 *	0.10	233.29
<b>5</b>			
	1.68 *	0.10	233.98
<b>3</b>			
	1.68 *	0.10	234.42
<b>1</b>			
	0.84 *	0.05	117.26
<b>0</b>			
	0.84 *	0.05	117.22
<b>-1</b>			
	1.67 *	0.10	234.18
<b>-3</b>			
	1.67 *	0.10	233.57
<b>-5</b>			
	1.67 *	0.10	232.59
<b>-7</b>			
	1.67 *	0.10	231.30
<b>-9</b>			
	1.66 *	0.10	229.69
<b>-11</b>			
	1.65 *	0.10	227.77
<b>-13</b>			
	1.64 *	0.10	225.55
<b>-15</b>			
	1.63 *	0.10	223.00
<b>-17</b>			
	2.01 *	0.12	274.68
<b>-19.5</b>			
	2.39 *	0.14	322.90
<b>-22.5</b>			
	2.35 *	0.14	314.66
<b>-25.5</b>			
	2.69 *	0.16	355.42
<b>-29</b>			
	3.00 *	0.18	388.93
<b>-33</b>			
	3.27 *	0.20	413.25
<b>-37.5</b>			
	3.49 *	0.22	426.56
<b>-42.5</b>			
	3.32 *	0.21	389.68
<b>-47.5</b>			
	4.62 *	0.30	511.59
<b>-55</b>			
	5.37 *	0.38	543.08
<b>-65</b>			
	4.35	0.35	387.31
<b>-75</b>			
	3.35	0.33	235.24

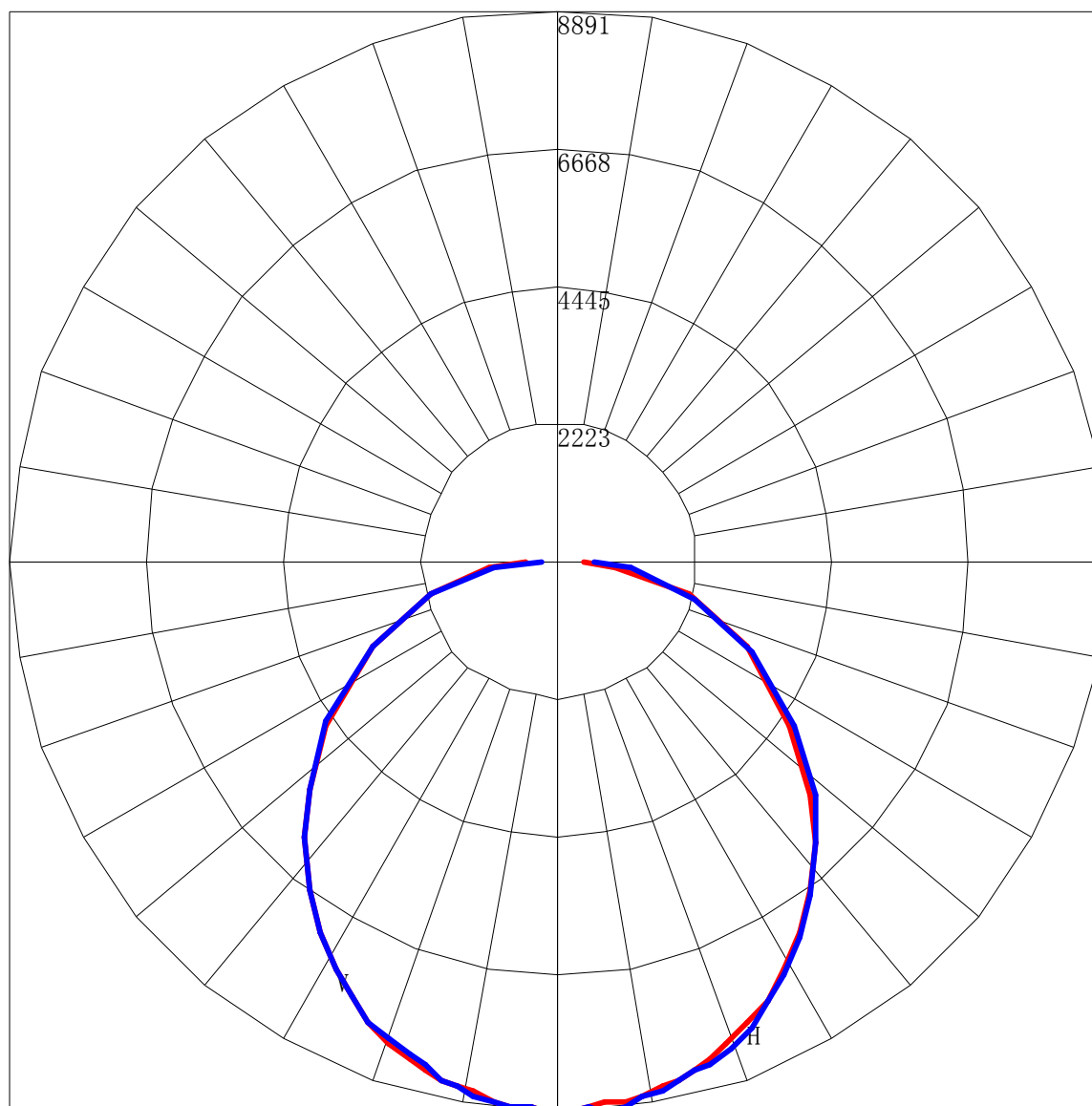
**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : GC301-200W-P540-D1-PCD-HK.IES**

**LUMENS TABULATION - (Cont.)**

<b>-85</b>	1.33	0.16	56.41
<b>-90</b>			
<b>Total</b>	111.81	7.46	13270.75

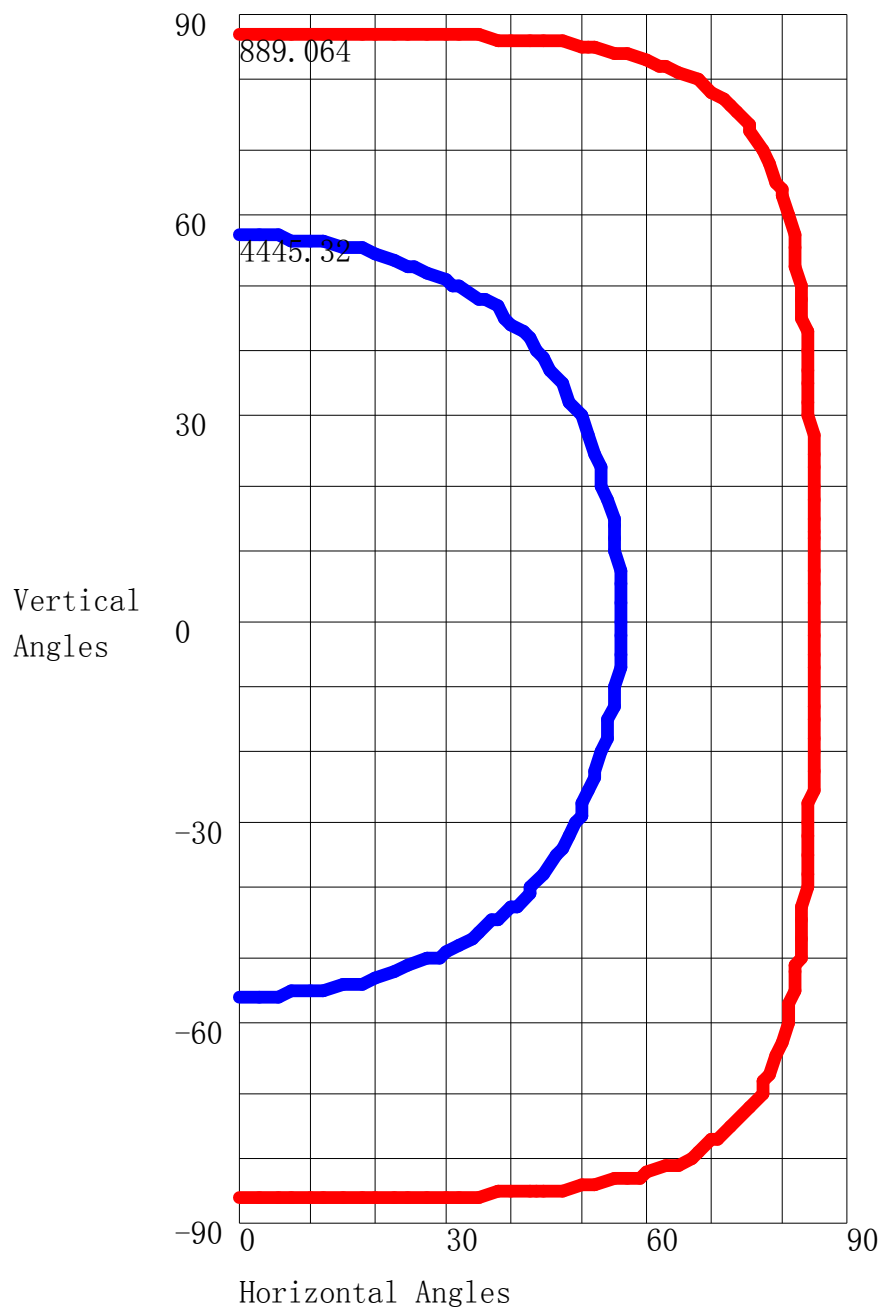
IES FLOOD REPORT  
PHOTOMETRIC FILENAME : GC301-200W-P540-D1-PCD-HK.IES

AXIAL CANDELA DISPLAY



Maximum Candela = 8890.64 Located At Horizontal Angle = 0, Vertical Angle = -1  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 8890.64 Located At Horizontal Angle = 0, Vertical Angle = -1  
50% Maximum Candela = 4445.32  
10% Maximum Candela = 889.064