



LUMA OPTO(China)CO.LTD
www.luma-group.com

Address: No.555, Suide Road, Puruo District, Shanghai, China

LUMA HZL0250

LumCAT: HZL0250	Luminaire: RESILIENT Indoor light
Report No: SENSING20100322s001	Voltage(V): 0.000
Test No:	Current(A): 0.000
LampCAT: :	Power (W): 133.100
Lamp flux(lm): 14996.0	PF: 0.000
Number of Lamps: 1	Ballast type:
Length(feet)(ft.): -0.771	Width(feet)(ft.): -0.771
Phm Type: C	Height(feet)(ft.): 0.000

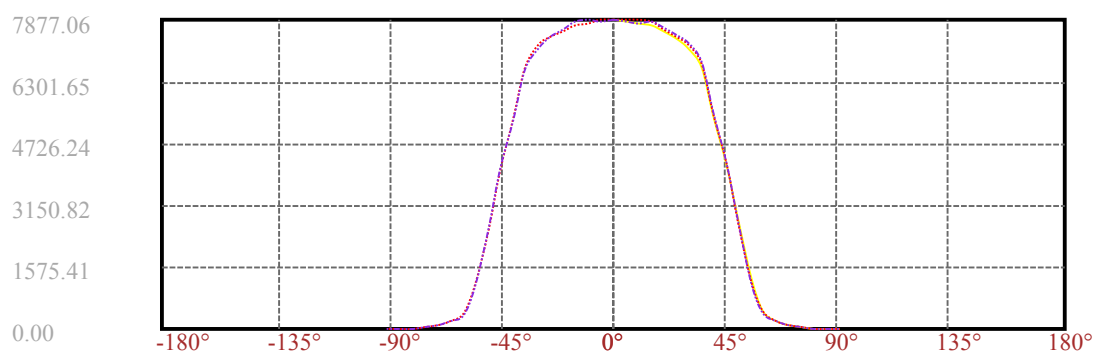
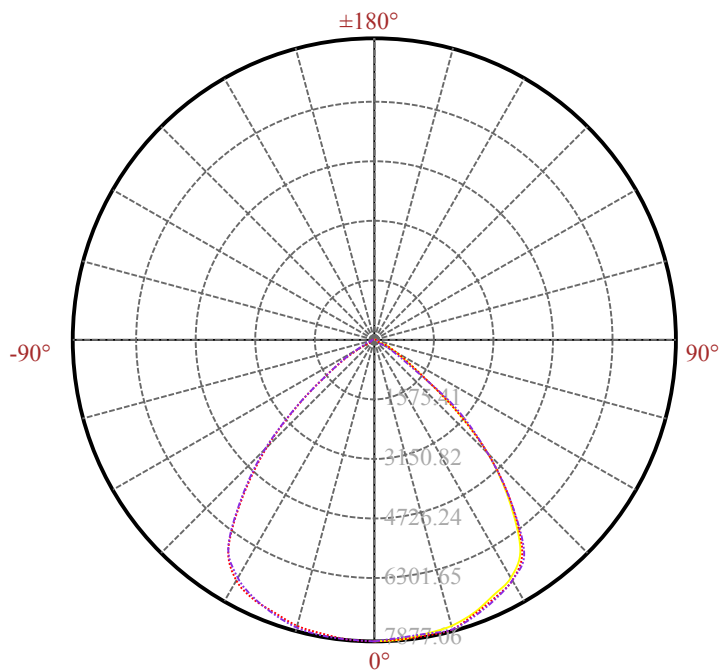
Photometric Results

Lumens(lm): 15045.96
Efficiency(%): 100.33%
Lumens(lm)/Power(W): 113.04
Central intensity(cd): 7854.370
Maximum intensity(cd): 7877.060
Angle of maximum intensity: C=150.0 γ =0.0
Beam Angle(50%Imax): [C0__180]Left=45.0 Right=45.7
[C90__270]Left=50.2 Right=40.9
Field angle(10%Imax): [C0__180]Left=56.8 Right=57.2
[C90__270]Left=62.4 Right=52.6
Maximum s/h: C0_180=0.68 C90_270=0.67
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 100.33%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.167%

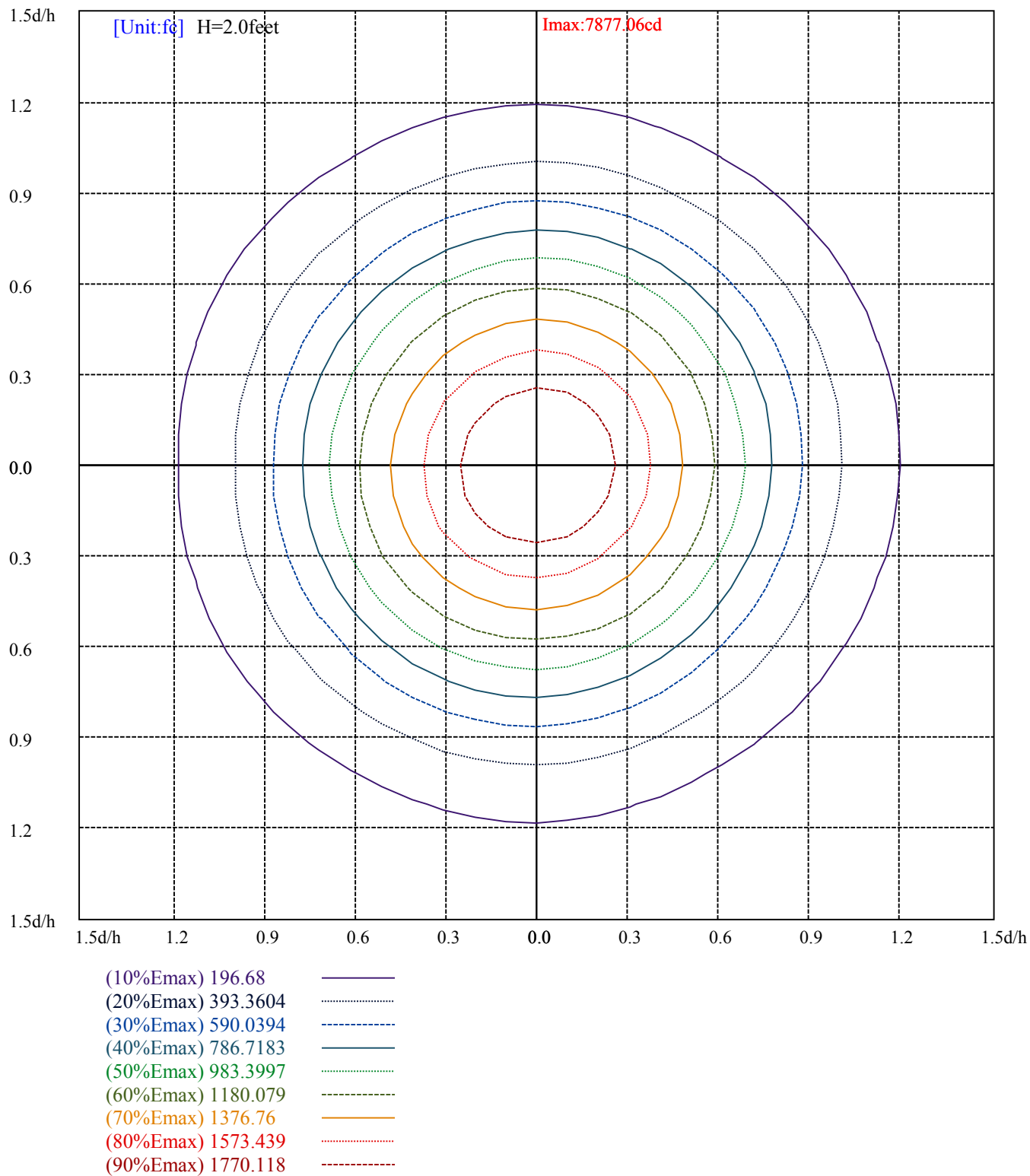
Equipment: GMS2200
Temperature(°C): 25

Date:
Humidity(%): 60%

Operator:
Distance(feet): 13.72



C150(Max): —————
C0/C180:
C90/C270: - - - - -

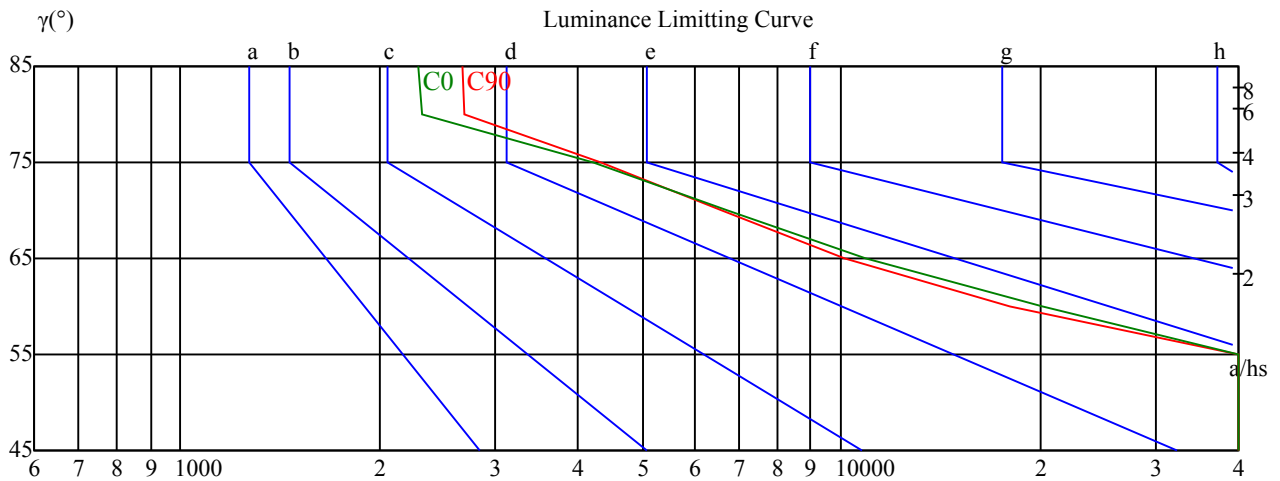


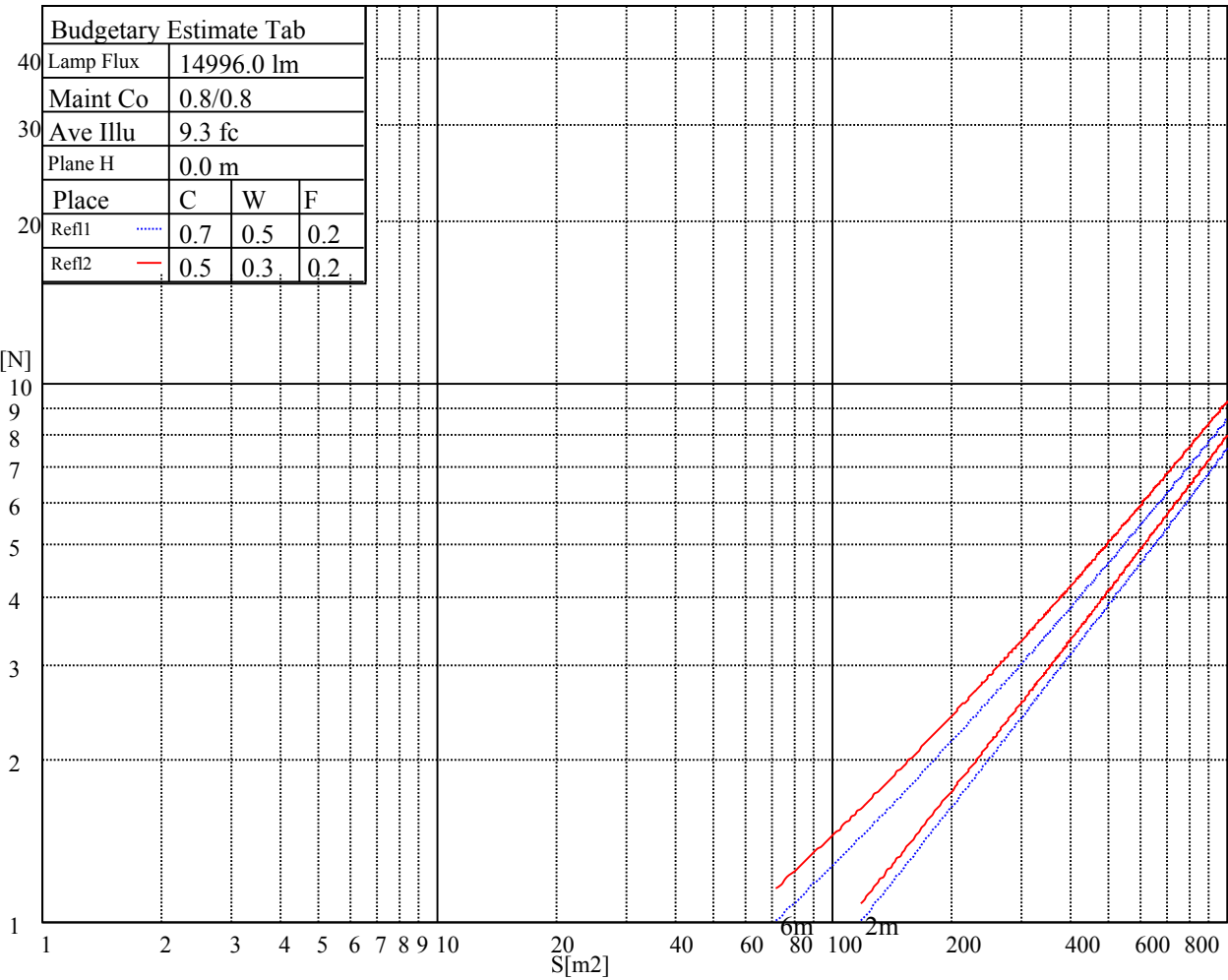
Luminance Table

γ	45	50	55	60	65	70	75	80	85
C0	137494	96731	46566	20226	10928	6721	4213	2323	2283
C45	0	0	0	0	0	0	0	0	0
C90	137137	97584	45276	18026	10119	6579	4314	2685	2664

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h





RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.19	1.19	1.19	1.17	1.17	1.17	1.11	1.11	1.11	1.07	1.07	1.07	1.02	1.02	1.02	1.00
1	1.09	1.06	1.03	1.07	1.04	1.02	1.03	1.01	0.99	0.99	0.97	0.96	0.96	0.94	0.93	0.91
2	0.99	0.94	0.90	0.97	0.93	0.89	0.94	0.90	0.87	0.91	0.88	0.85	0.88	0.85	0.83	0.81
3	0.90	0.84	0.79	0.89	0.83	0.78	0.86	0.81	0.77	0.83	0.79	0.76	0.81	0.77	0.74	0.73
4	0.82	0.75	0.70	0.81	0.74	0.69	0.78	0.73	0.68	0.76	0.71	0.68	0.74	0.70	0.67	0.65
5	0.75	0.67	0.62	0.74	0.67	0.62	0.72	0.66	0.61	0.70	0.65	0.61	0.68	0.64	0.60	0.58
6	0.68	0.61	0.56	0.68	0.61	0.55	0.66	0.60	0.55	0.64	0.59	0.55	0.63	0.58	0.54	0.52
7	0.63	0.55	0.50	0.62	0.55	0.50	0.61	0.54	0.50	0.59	0.54	0.49	0.58	0.53	0.49	0.47
8	0.58	0.50	0.45	0.57	0.50	0.45	0.56	0.50	0.45	0.55	0.49	0.45	0.54	0.49	0.45	0.43
9	0.53	0.46	0.41	0.53	0.46	0.41	0.52	0.46	0.41	0.51	0.45	0.41	0.50	0.45	0.41	0.39
10	0.50	0.43	0.38	0.49	0.42	0.38	0.48	0.42	0.38	0.47	0.42	0.38	0.46	0.41	0.37	0.36

LUMA HZL0250

Intensity data(cd)

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C/ γ (°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	7854.37	7872.69	7870.04	7819.15	7625.92	7421.95	7262.53	6766.79	5503.60
30.0	7857.76	7869.30	7839.52	7810.82	7689.80	7510.87	7319.79	6854.57	5683.16
60.0	7870.91	7849.02	7803.75	7848.12	7685.33	7528.72	7334.35	6887.61	5604.81
90.0	7868.21	7821.40	7790.63	7826.43	7679.22	7467.84	7269.67	6793.31	5531.41
120.0	7864.07	7809.76	7756.57	7743.27	7583.34	7416.82	7193.59	6677.65	5433.83
150.0	7877.06	7837.77	7773.33	7733.95	7568.57	7372.24	7157.28	6671.28	5448.62
180.0	7854.37	7852.68	7790.36	7750.73	7591.26	7449.54	7237.29	6657.05	5404.29
210.0	7857.76	7841.25	7809.07	7809.75	7679.21	7503.32	7294.62	6745.20	5526.17
240.0	7870.91	7843.25	7826.44	7798.55	7626.74	7471.30	7253.65	6749.13	5519.23
270.0	7868.21	7852.59	7864.03	7803.69	7613.99	7435.74	7166.58	6605.06	5355.12
300.0	7864.07	7855.21	7844.00	7780.36	7568.47	7403.30	7175.43	6481.60	5228.78
330.0	7877.06	7871.81	7855.28	7794.09	7585.79	7405.75	7171.60	6481.91	5204.54
360.0	7854.37	7872.69	7870.04	7819.15	7625.92	7421.95	7262.53	6766.79	5503.60
C/ γ (°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	4216.94	2696.88	1158.49	438.64	200.32	99.71	47.30	17.50	8.63
30.0	4384.91	2749.04	1259.29	400.46	200.92	102.67	50.20	18.43	8.89
60.0	4235.02	2607.57	1142.26	372.02	182.83	95.49	48.00	18.70	9.24
90.0	4205.98	2720.67	1126.38	390.93	185.48	97.60	48.43	20.22	10.07
120.0	4143.65	2642.41	1109.09	421.20	192.07	103.89	52.68	21.87	10.61
150.0	4180.02	2773.03	1277.57	449.18	203.54	105.59	52.92	22.05	10.58
180.0	3991.72	2513.73	1142.52	402.35	188.33	98.19	47.55	18.89	9.10
210.0	4256.96	2699.25	1157.00	366.93	185.36	94.96	47.08	17.56	8.37
240.0	4056.80	2555.75	1038.67	336.13	177.23	97.41	46.42	16.95	8.38
270.0	4041.22	2559.23	1083.69	345.17	177.51	92.62	44.80	16.04	8.06
300.0	3892.04	2339.45	1029.03	343.28	170.76	91.67	40.58	14.49	7.54
330.0	4008.51	2540.51	1099.88	344.59	174.95	88.71	40.56	14.57	7.42
360.0	4216.94	2696.88	1158.49	438.64	200.32	99.71	47.30	17.50	8.63
C/ γ (°)	90.0								
0.0	0.14								
30.0	0.38								
60.0	0.27								
90.0	0.90								
120.0	1.65								
150.0	1.81								
180.0	0.11								
210.0	0.08								
240.0	0.10								
270.0	0.10								
300.0	0.11								
330.0	0.11								
360.0	0.14								

Equipment: GMS2200
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