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Address:380JinOu Road,Gaoxin Zone,Jiang Men City,Guangdong,China

NT

Client: NT

LumCAT: 2-3052-LM

Luminaire: 92.70.121.00 LED HOLDER

Report No: 20260126-B014

Ballast type: AC

Test No: 20260126-C014

Voltage(V): 36.840

LampCAT: CITIZEN CLU038 LES14.5

Current(A): 0.712

Lamp flux(lm): 3400.6

Power (W): 26.230

Number of Lamps: 1

PF: 0.000

Length(mm): 65

Width(mm): 65

Phm Type: C

Height(mm): 34

Photometric Results

Lumens(lm): 3293.50, Efficiency(%): 96.85% , Luminous Efficacy(lm/W): 125.56

Central intensity(cd): 15794.720, Maximum intensity(cd): 15794.720

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=19.4

[C90/270]Total=19.4

Field angle(10%Imax): [C0/180]Total=43.0

[C90/270]Total=43.0

Maximum s/h(1/2): C0_180=0.33 C90_270=0.33

Maximum s/h(1/4): C0_180=0.33 C90_270=0.33

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 96.85%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

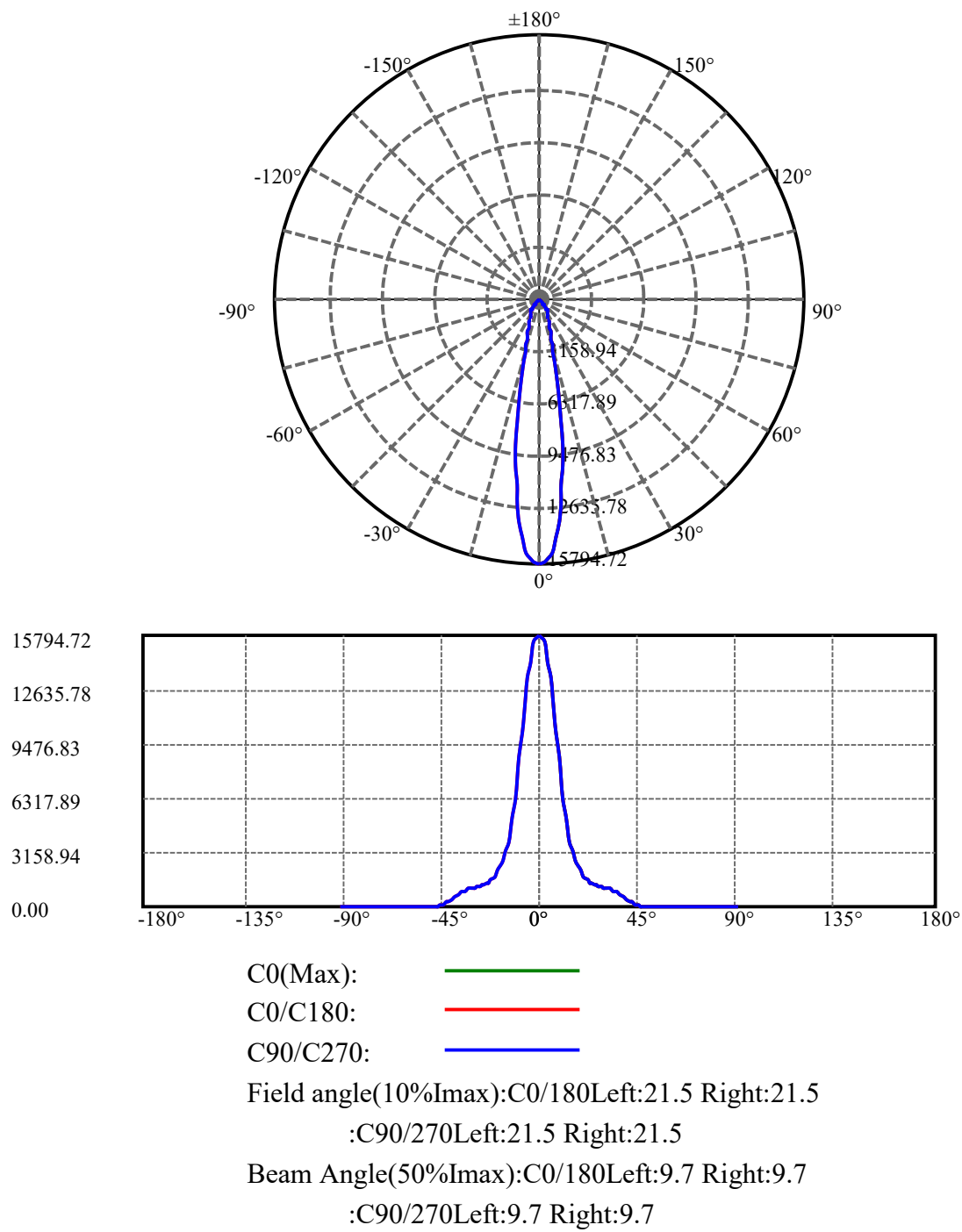
CIE Type : Direct lighting

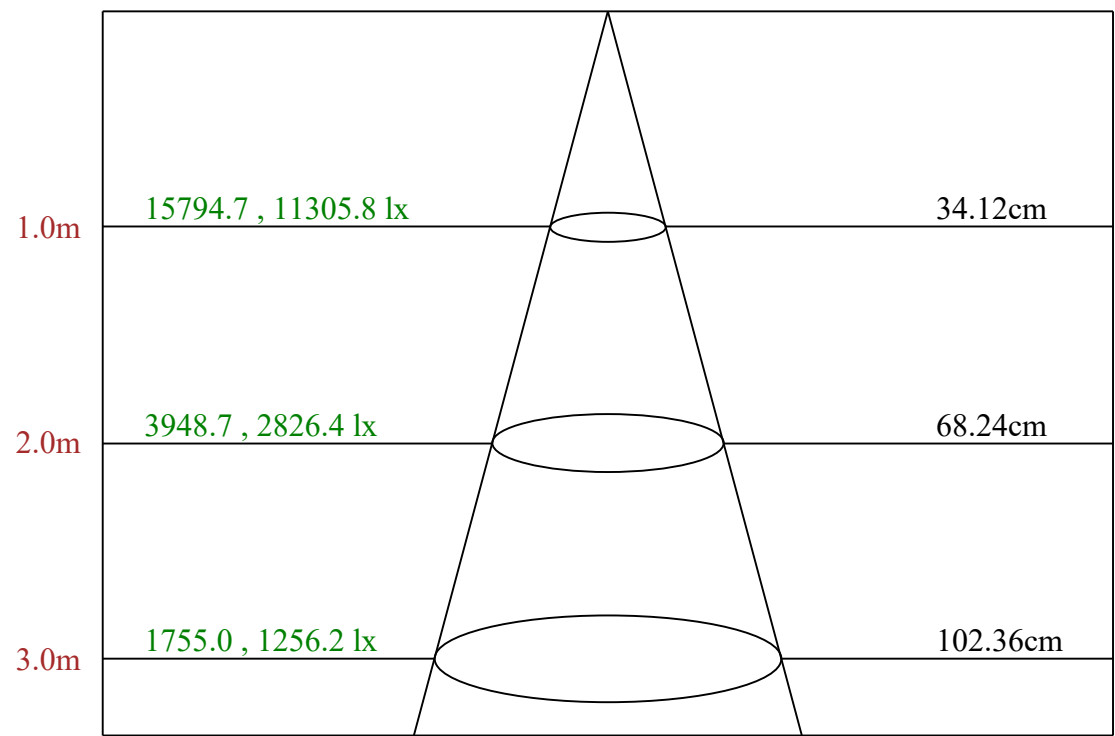
Output flux ratio in π solid angle : 99.736%

Equipment: GMS 1800
Temperature(°C): 25.0

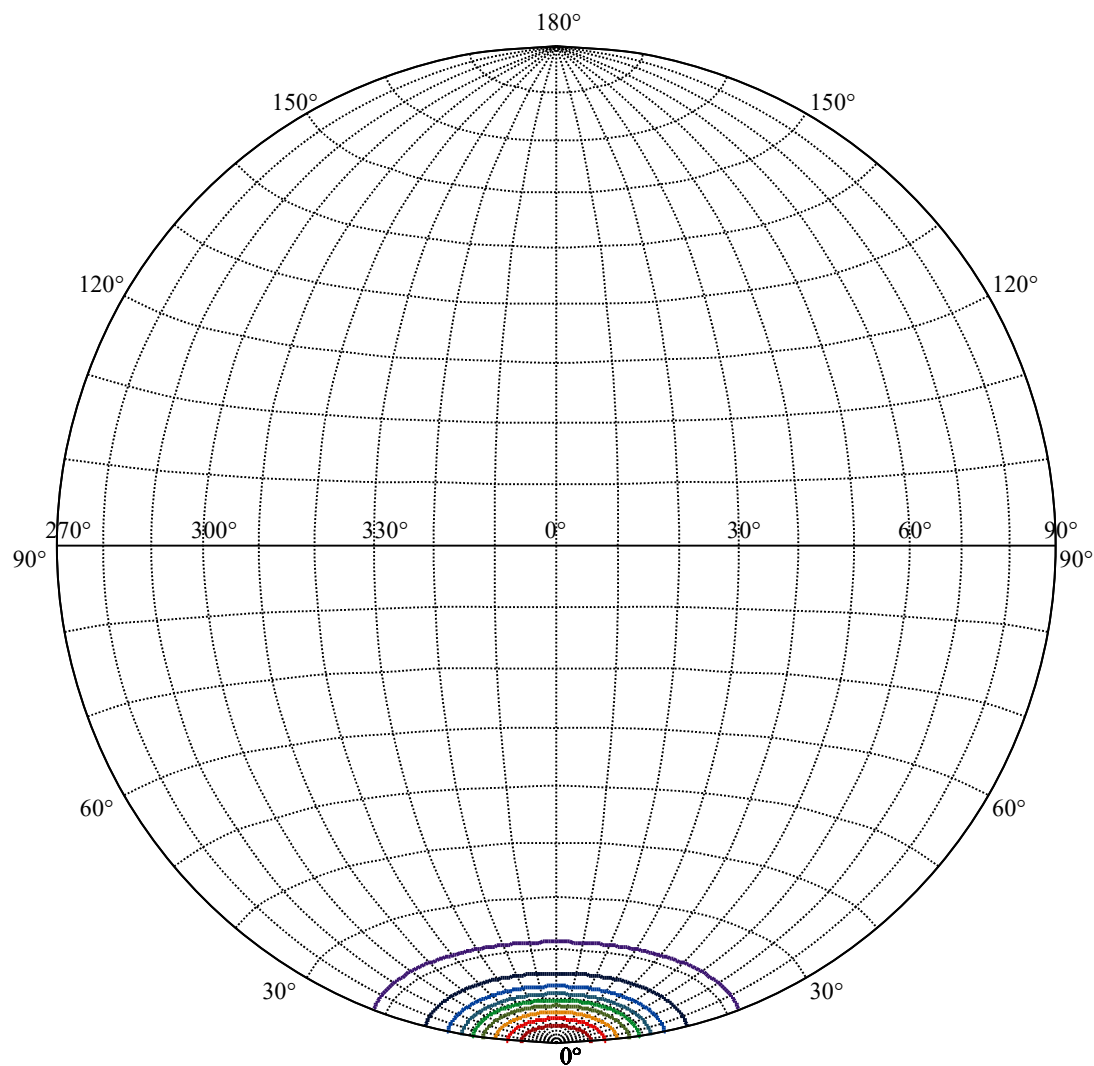
Date: 2026/1/26
Humidity(%): 60.0%

Operator: YZQ
Distance(m): 7.50





Max , Ave Beam angle of C0 plane 19.36



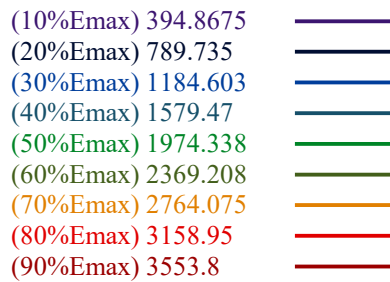
House

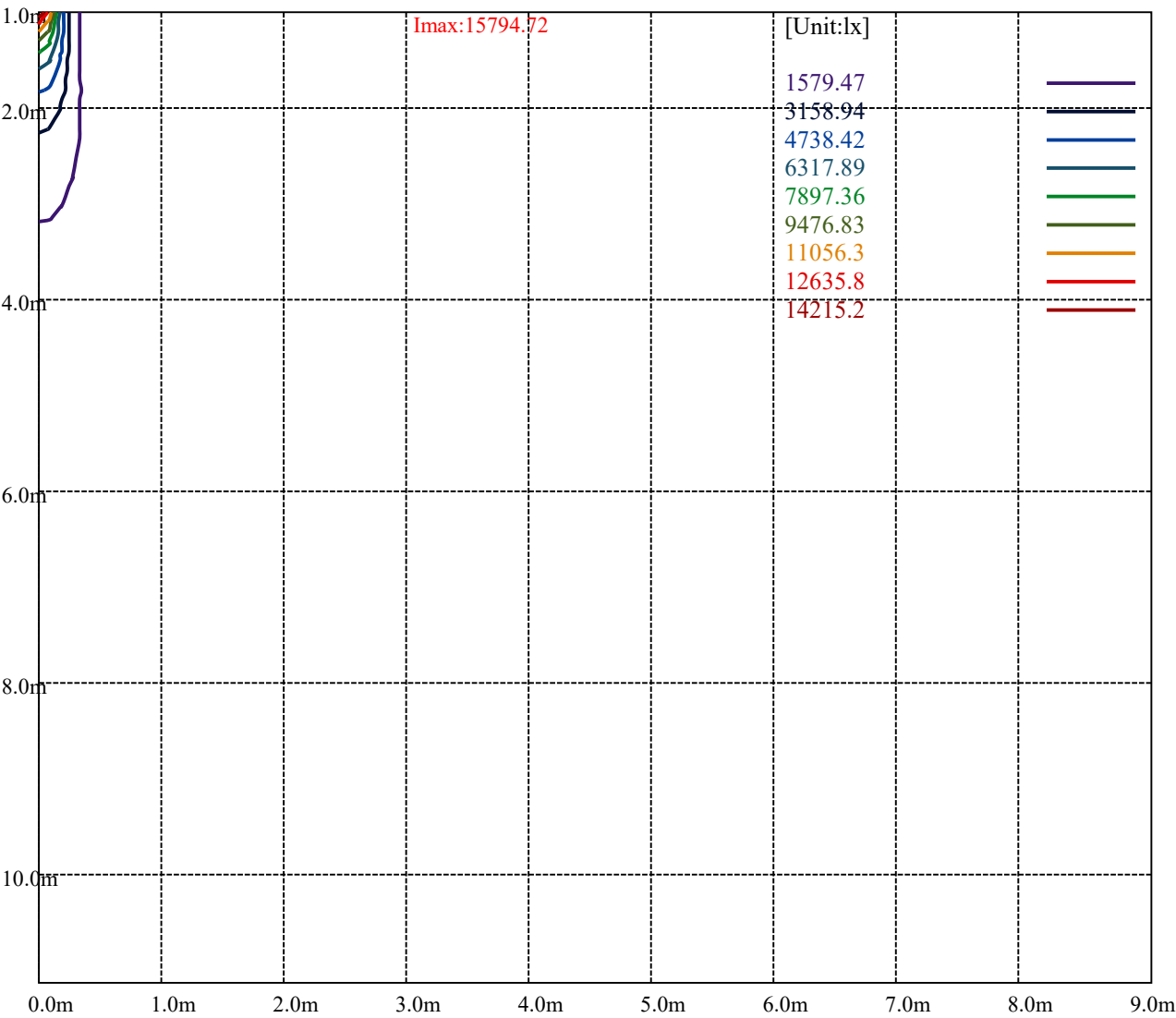
[Unit:cd]

Road

Imax:15794.72

(10%Imax)	1579.47	—
(20%Imax)	3158.94	—
(30%Imax)	4738.42	—
(40%Imax)	6317.89	—
(50%Imax)	7897.36	—
(60%Imax)	9476.83	—
(70%Imax)	11056.3	—
(80%Imax)	12635.8	—
(90%Imax)	14215.2	—





Luminance Table

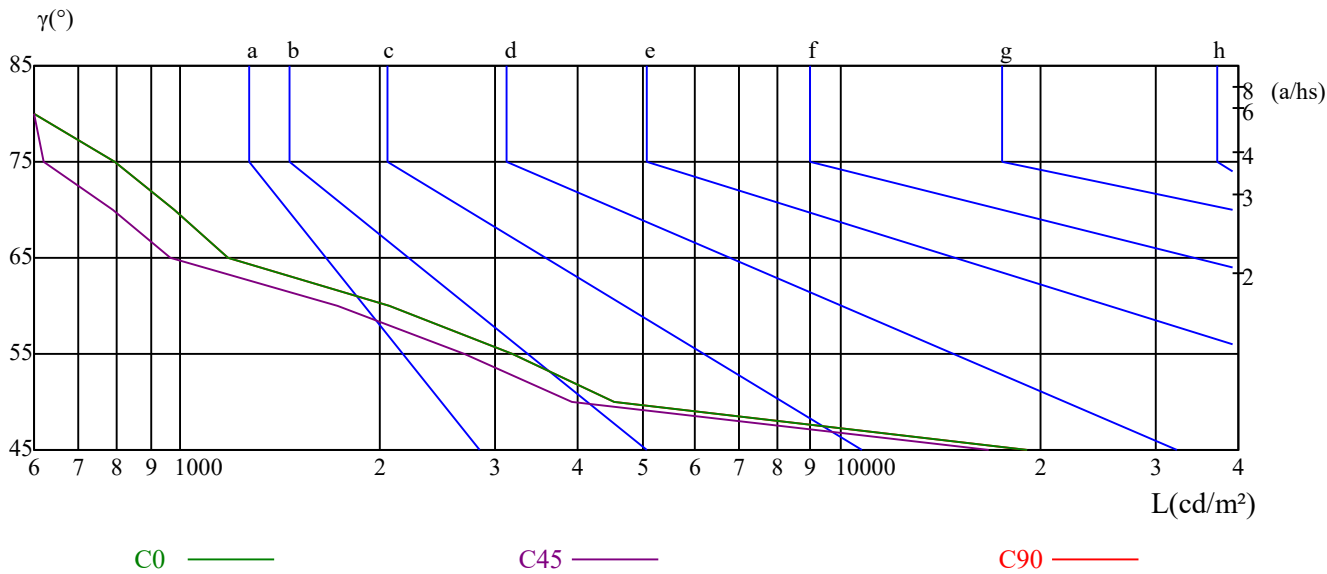
γ	45	50	55	60	65	70	75	80	85
C0	19138	4536	3172	2069	1180	980	793	522	405
C45	16755	3913	2695	1729	968	788	622	398	299
C90	19138	4536	3172	2069	1180	980	793	522	405

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2504	2504	2504	2341	2341	2341	2826	2826	2826

Glare Table

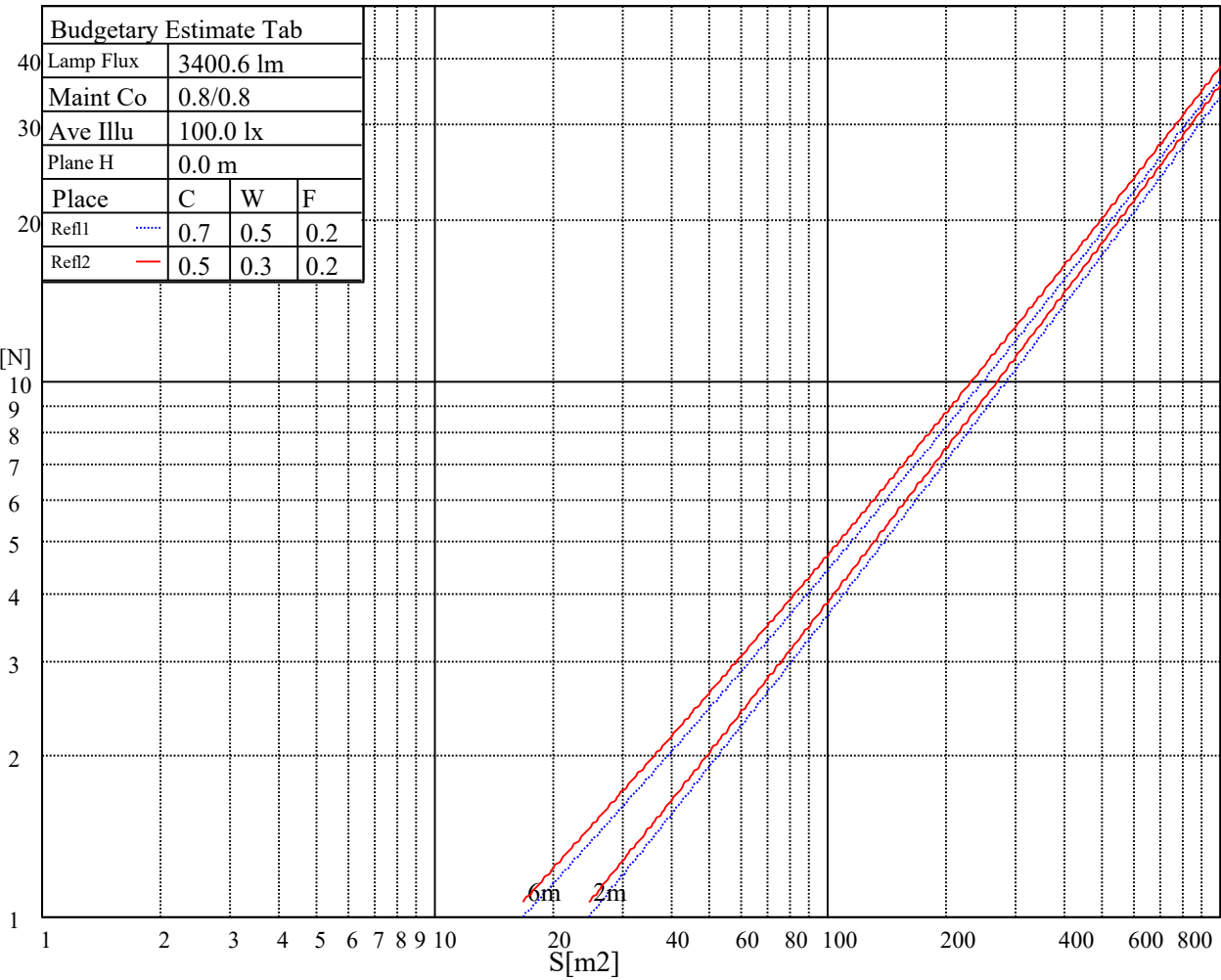
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

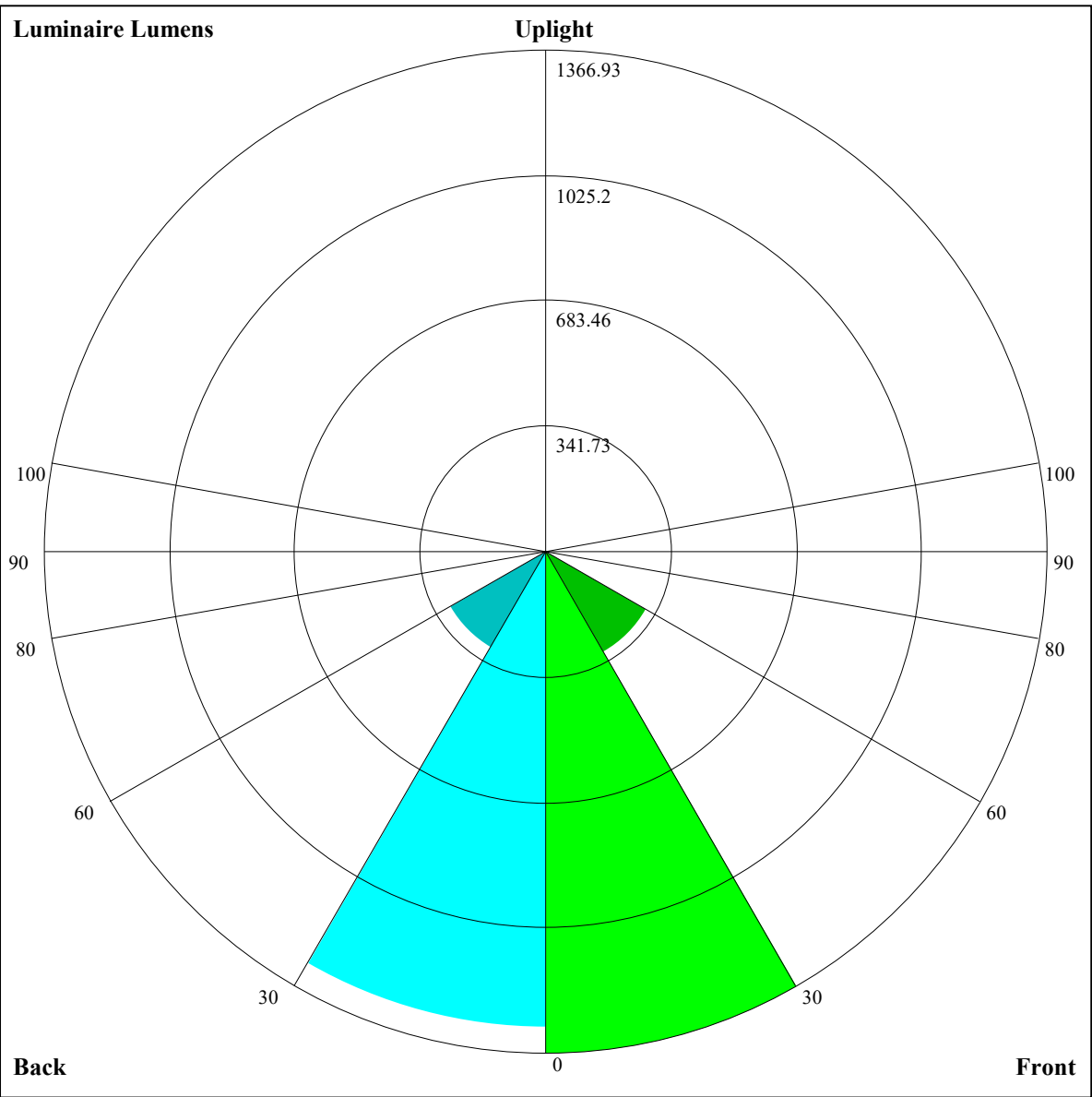


Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	20.13	21.06	20.49	21.37	21.68	20.20	21.12	20.56	21.43	21.75
	3H	19.91	20.74	20.30	21.07	21.42	19.98	20.80	20.37	21.14	21.49
	4H	19.81	20.57	20.21	20.92	21.29	19.88	20.63	20.28	20.99	21.36
	6H	19.71	20.40	20.13	20.78	21.18	19.78	20.47	20.20	20.85	21.25
	8H	19.64	20.30	20.06	20.68	21.09	19.70	20.36	20.13	20.75	21.16
	12H	19.56	20.19	19.99	20.58	21.00	19.63	20.26	20.06	20.65	21.07
4H	2H	19.81	20.57	20.21	20.92	21.29	19.88	20.64	20.28	20.99	21.36
	3H	19.56	20.19	19.98	20.59	21.00	19.63	20.26	20.05	20.65	21.07
	4H	19.48	20.02	19.92	20.45	20.90	19.55	20.09	19.98	20.51	20.96
	6H	19.33	19.81	19.80	20.26	20.72	19.40	19.88	19.87	20.33	20.79
	8H	19.27	19.71	19.75	20.17	20.65	19.34	19.78	19.82	20.24	20.72
	12H	19.21	19.62	19.70	20.07	20.60	19.28	19.69	19.77	20.14	20.67
8H	4H	19.27	19.71	19.75	20.17	20.65	19.34	19.78	19.82	20.24	20.71
	6H	19.11	19.47	19.61	19.95	20.46	19.18	19.54	19.68	20.02	20.53
	8H	19.09	19.39	19.62	19.91	20.41	19.16	19.46	19.69	19.98	20.48
	12H	19.03	19.26	19.58	19.78	20.30	19.10	19.33	19.65	19.85	20.37
12H	4H	19.21	19.62	19.70	20.07	20.60	19.28	19.69	19.77	20.14	20.66
	6H	19.09	19.39	19.62	19.91	20.41	19.16	19.46	19.69	19.98	20.48
	8H	19.03	19.26	19.58	19.78	20.30	19.10	19.33	19.65	19.85	20.37
Variation with the observer position at spacings:											
S = 1.0H		4.7/-15.6					4.7/-15.6				
S = 1.5H		7.5/-17.1					7.5/-17.1				
S = 2.0H		9.5/-17.6					9.5/-17.6				
Standard tables:		BK0					BK0				
Uncorrected UGR		0.2					0.2				

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.15	1.15	1.15	1.13	1.13	1.13	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.97
1	1.09	1.07	1.05	1.07	1.05	1.03	1.03	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93
2	1.03	0.99	0.97	1.01	0.98	0.96	0.98	0.96	0.94	0.95	0.93	0.92	0.93	0.91	0.90	0.88
3	0.97	0.93	0.90	0.96	0.92	0.90	0.94	0.91	0.88	0.91	0.89	0.87	0.89	0.87	0.86	0.84
4	0.93	0.88	0.85	0.92	0.88	0.85	0.90	0.86	0.84	0.88	0.85	0.83	0.86	0.84	0.82	0.80
5	0.88	0.84	0.81	0.88	0.83	0.80	0.86	0.82	0.80	0.85	0.81	0.79	0.83	0.80	0.78	0.77
6	0.85	0.80	0.77	0.84	0.80	0.76	0.83	0.79	0.76	0.81	0.78	0.75	0.80	0.77	0.75	0.74
7	0.81	0.77	0.73	0.81	0.76	0.73	0.80	0.76	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.71
8	0.78	0.74	0.70	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.68
9	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.73	0.69	0.67	0.66
10	0.73	0.68	0.65	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.64



Luminaire Lumens:

FL=1366.93,FM=318.69,FH=3.79,FVH=0.57

BL=1297.11,BM=303.41,BH=3.7,BVH=0.56

UL=0,UH=0

BUG Rating:B3-U0-G0

Intensity data(cd)

Appendix Page: 12 Total:14

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	15953.63	15953.63	15689.25	15458.63	14907.38	13574.25	11082.32	11082.32	10511.94
45.0	15498.00	15886.13	16038.00	15998.63	15734.25	15340.50	14699.25	13878.00	13259.25
90.0	15964.88	15976.13	15801.75	15419.25	15109.88	14434.88	13546.13	10441.63	10441.63
135.0	15762.38	15762.38	15694.88	15374.25	14929.88	14260.50	13388.63	12753.00	11256.75
180.0	15953.63	15801.75	15503.63	15222.38	14457.38	13585.50	12499.88	10975.50	10429.88
225.0	15498.00	15194.25	14530.50	13653.00	10756.07	10756.07	9903.88	8480.76	6917.01
270.0	15964.88	15796.13	15374.25	14828.63	14052.38	13489.88	12100.50	10761.75	9333.00
315.0	15762.38	15430.50	15284.25	14620.50	14159.25	10924.82	10924.82	10630.63	8578.63
360.0	15953.63	15953.63	15689.25	15458.63	14907.38	13574.25	11082.32	11082.32	10511.94
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	9063.51	7365.88	6598.07	5092.26	4134.88	3751.82	3214.07	2800.63	2454.69
45.0	11785.50	10373.63	8922.38	7533.00	6751.13	5434.88	4270.50	3876.75	3207.38
90.0	9545.57	8056.07	6413.01	5704.26	4723.26	3963.32	3382.26	2847.88	2629.63
135.0	9833.63	8388.00	6745.50	5564.25	4613.63	3899.25	3550.50	3010.50	3010.50
180.0	8753.63	6914.25	6205.50	5024.25	4253.63	3634.88	3117.38	2858.63	2858.63
225.0	6216.69	5218.26	4414.44	3761.38	3128.01	2864.19	2491.26	2032.26	1892.19
270.0	7915.50	7111.13	5659.88	4692.38	3949.88	3269.25	3078.00	3078.00	2272.44
315.0	6905.19	6146.38	5059.63	4222.63	3612.88	3061.07	2836.63	2504.76	2228.57
360.0	9063.51	7365.88	6598.07	5092.26	4134.88	3751.82	3214.07	2800.63	2454.69
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2124.51	1992.32	1805.01	1659.32	1519.26	1427.01	1382.01	1290.32	1230.69
45.0	3021.75	3021.75	2198.76	1899.51	1782.51	1559.76	1484.38	1362.32	1280.19
90.0	2209.44	2060.94	1823.01	1666.07	1547.94	1449.51	1356.13	1316.76	1261.07
135.0	2847.38	2116.63	1913.57	1746.51	1613.19	1545.13	1432.63	1355.57	1292.01
180.0	2131.26	1997.94	1776.32	1630.63	1515.88	1423.07	1374.69	1305.51	1250.38
225.0	1703.19	1548.51	1429.26	1312.26	1263.88	1196.38	1112.29	1112.29	1085.68
270.0	2124.51	1880.38	1671.13	1595.19	1479.32	1400.01	1336.44	1280.19	1249.82
315.0	2000.19	1785.32	1697.57	1569.88	1466.38	1370.19	1305.51	1249.82	1203.13
360.0	2124.51	1992.32	1805.01	1659.32	1519.26	1427.01	1382.01	1290.32	1230.69
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1204.82	1190.19	1114.99	1109.48	1084.11	1059.41	1018.74	938.48	892.18
45.0	1214.94	1159.26	1132.82	1083.32	1054.07	1024.26	1000.07	985.44	932.01
90.0	1218.32	1180.07	1108.24	1108.24	1097.72	1065.54	1043.66	968.40	929.64
135.0	1239.69	1187.94	1151.38	1117.63	1099.07	1067.01	1027.63	968.01	896.57
180.0	1212.13	1168.82	1141.82	1115.94	1091.76	1077.13	1026.51	961.82	884.76
225.0	1063.91	1038.60	1009.63	992.87	958.44	906.58	828.11	754.37	708.64
270.0	1199.19	1160.94	1127.19	1098.51	1084.44	1048.44	998.94	938.19	844.82
315.0	1116.28	1104.47	1104.47	1074.09	1055.87	1012.44	947.59	869.06	766.07
360.0	1204.82	1190.19	1114.99	1109.48	1084.11	1059.41	1018.74	938.48	892.18
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	810.96	721.97	629.38	516.26	456.86	365.51	278.89	197.55	113.91
45.0	878.57	839.76	750.88	671.01	583.82	496.63	444.32	338.01	305.38
90.0	852.02	745.20	649.74	547.37	425.81	368.16	276.19	192.77	123.75
135.0	849.32	745.26	651.88	557.94	465.13	410.01	299.76	299.76	205.37
180.0	800.94	746.38	600.13	504.51	449.38	340.26	305.94	305.94	121.67
225.0	619.88	477.62	425.81	337.61	256.39	185.18	113.46	86.91	59.23
270.0	754.26	658.07	557.94	496.07	375.69	337.44	337.44	128.14	76.78
315.0	710.49	617.40	519.69	424.18	314.78	229.39	151.88	78.69	52.71
360.0	810.96	721.97	629.38	516.26	456.86	365.51	278.89	197.55	113.91

Intensity data(cd)

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	62.21	37.13	28.07	25.59	20.42	15.86	12.60	11.25	11.53
45.0	305.38	124.09	77.85	54.17	44.83	42.08	37.18	33.30	30.38
90.0	64.97	46.80	31.78	25.59	22.50	17.72	14.46	12.66	12.21
135.0	81.06	35.66	28.35	24.86	19.41	15.13	11.59	10.18	9.56
180.0	61.03	38.98	32.74	29.87	23.79	19.58	16.43	15.24	14.68
225.0	47.03	41.68	36.28	32.01	28.97	27.73	27.06	25.26	22.33
270.0	44.61	31.33	29.03	23.63	18.90	15.24	12.99	12.94	12.83
315.0	30.38	22.67	18.34	12.66	10.07	6.64	5.34	5.01	4.84
360.0	62.21	37.13	28.07	25.59	20.42	15.86	12.60	11.25	11.53
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	11.93	11.70	11.53	11.25	11.03	10.13	8.21	7.48	6.08
45.0	28.18	27.56	26.72	25.03	23.23	19.29	15.47	12.49	9.62
90.0	11.98	11.31	10.74	10.35	9.45	9.28	8.21	7.14	6.30
135.0	9.34	9.00	8.72	8.49	8.27	7.93	7.54	7.14	6.98
180.0	13.84	13.33	12.54	11.08	10.46	8.66	7.48	6.69	5.46
225.0	19.24	16.82	14.74	11.31	8.33	6.64	5.34	4.84	4.56
270.0	12.77	12.77	12.43	12.21	11.48	9.90	9.23	7.43	5.46
315.0	4.84	4.95	5.12	5.18	5.23	5.18	5.18	5.29	5.29
360.0	11.93	11.70	11.53	11.25	11.03	10.13	8.21	7.48	6.08
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	5.01	4.28	3.54	3.38	3.26	3.04	2.98	2.87	2.70
45.0	8.21	5.96	4.95	4.39	4.33	4.16	4.44	4.05	3.94
90.0	5.51	4.95	4.50	3.99	3.88	3.71	3.60	3.43	3.21
135.0	6.64	6.24	6.08	5.63	5.29	4.95	4.61	4.39	3.94
180.0	4.73	4.44	4.28	4.16	3.99	3.83	3.60	3.43	3.21
225.0	4.22	4.05	3.99	3.94	3.77	3.60	3.38	3.26	3.38
270.0	4.89	4.16	3.66	3.49	3.32	3.32	3.04	2.87	2.70
315.0	5.29	5.06	4.78	4.50	4.28	3.94	3.43	3.32	3.04
360.0	5.01	4.28	3.54	3.38	3.26	3.04	2.98	2.87	2.70
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	2.64	2.48	2.36	2.19	1.97	1.58	1.35	1.29	1.18
45.0	3.83	3.83	3.71	3.66	3.66	3.49	3.21	3.09	2.81
90.0	3.09	2.93	2.87	2.59	2.19	1.91	1.69	1.46	1.46
135.0	3.77	3.43	3.04	2.81	2.48	2.08	1.80	1.46	1.41
180.0	3.15	2.87	2.76	2.53	2.19	1.80	1.58	1.52	1.46
225.0	3.32	3.04	2.87	2.70	2.31	2.19	2.03	1.86	1.69
270.0	2.59	2.53	2.25	2.03	1.74	1.41	1.35	1.18	1.07
315.0	2.76	2.48	2.19	1.97	1.63	1.35	1.24	1.18	1.07
360.0	2.64	2.48	2.36	2.19	1.97	1.58	1.35	1.29	1.18
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	1.07	0.96	0.90	0.90	0.84	0.79	0.73	0.68	0.62
45.0	2.64	2.36	2.03	1.63	1.58	1.29	1.13	0.90	0.79
90.0	1.29	1.18	1.18	1.18	1.13	1.01	0.96	0.90	0.84
135.0	1.35	1.29	1.18	1.18	1.13	1.07	1.01	0.96	0.90
180.0	1.29	1.24	1.24	1.18	1.07	1.01	0.96	0.90	0.90
225.0	1.46	1.35	1.24	1.07	0.90	0.79	0.73	0.68	0.62
270.0	1.07	1.01	0.96	0.96	0.84	0.73	0.68	0.62	0.56
315.0	1.01	1.01	0.96	0.96	0.84	0.79	0.79	0.73	0.62
360.0	1.07	0.96	0.90	0.90	0.84	0.79	0.73	0.68	0.62

Intensity data(cd)

C/ $\gamma(^{\circ})$	90.0
0.0	0.62
45.0	0.73
90.0	0.79
135.0	0.90
180.0	0.84
225.0	0.51
270.0	0.45
315.0	0.62
360.0	0.62