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Nata

Client: NT

LumCAT: 1-1765-LM

Luminaire: BJB47.360.1020.00

Report No: 20260401-B004

Ballast type: DC

Test No: 20260401-C004

Voltage(V): 34.460

LampCAT: PHILIPS SLM 1203 L09 1313

Current(A): 0.218

Lamp flux(lm): 1299.5

Power (W): 7.512

Number of Lamps: 1

PF: 0.000

Length(mm): 45

Width(mm): 45

Phm Type: C

Height(mm): 19

Photometric Results

Lumens(lm): 1227.46, Efficiency(%): 94.45% , Luminous Efficacy(lm/W): 163.40

Central intensity(cd): 1479.423, Maximum intensity(cd): 1479.423

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=54.0

[C90/270]Total=54.0

Field angle(10%Imax): [C0/180]Total=87.4

[C90/270]Total=87.4

Maximum s/h(1/2): C0_180=0.81 C90_270=0.81

Maximum s/h(1/4): C0_180=0.86 C90_270=0.86

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 94.45%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

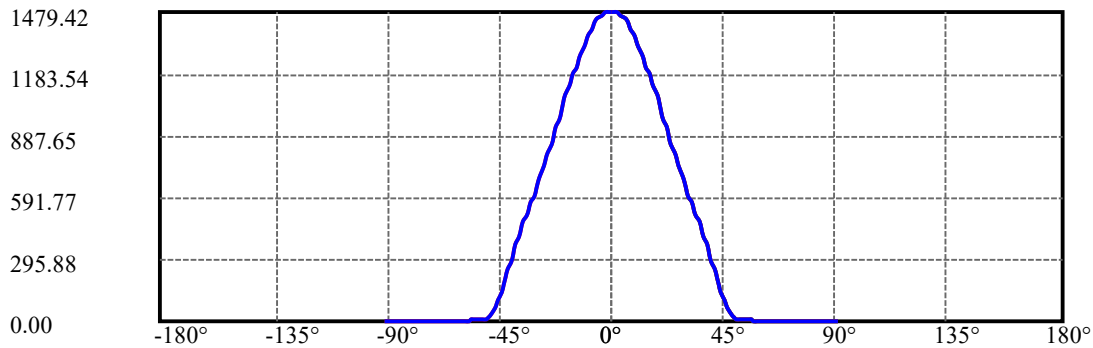
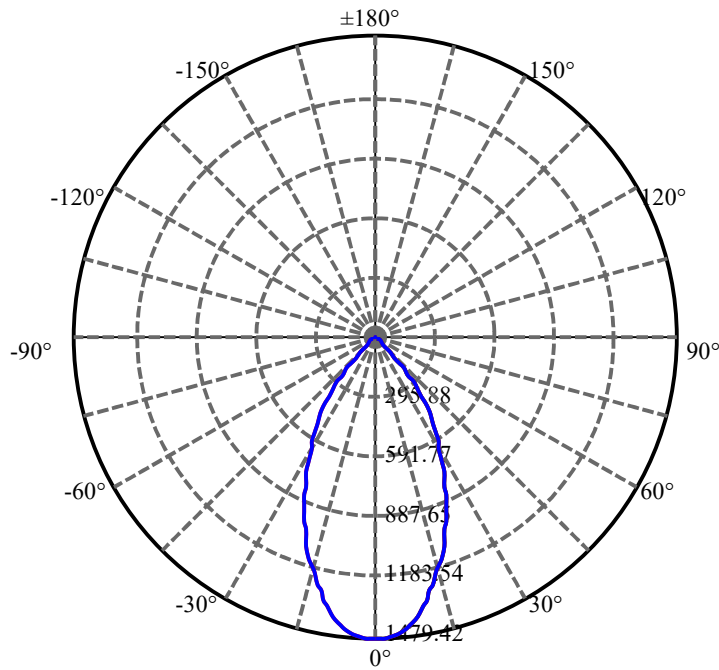
CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.512%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2026/4/1
Humidity(%): 60.0%

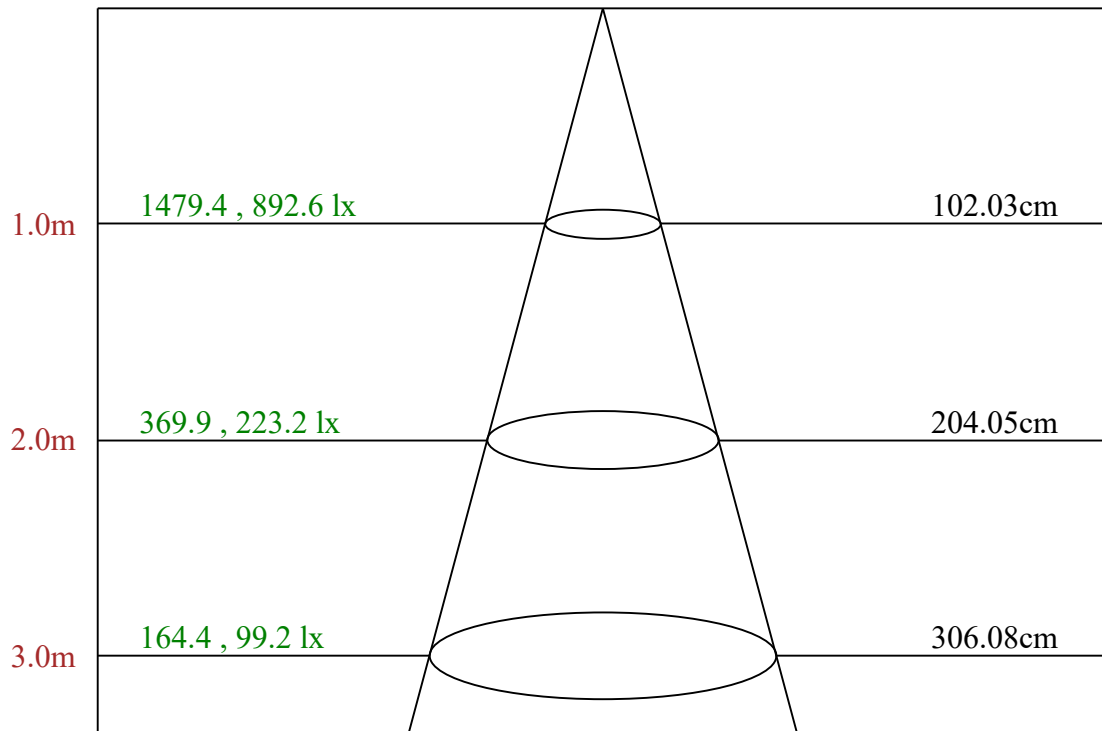
Operator: YZQ
Distance(m): 9.16



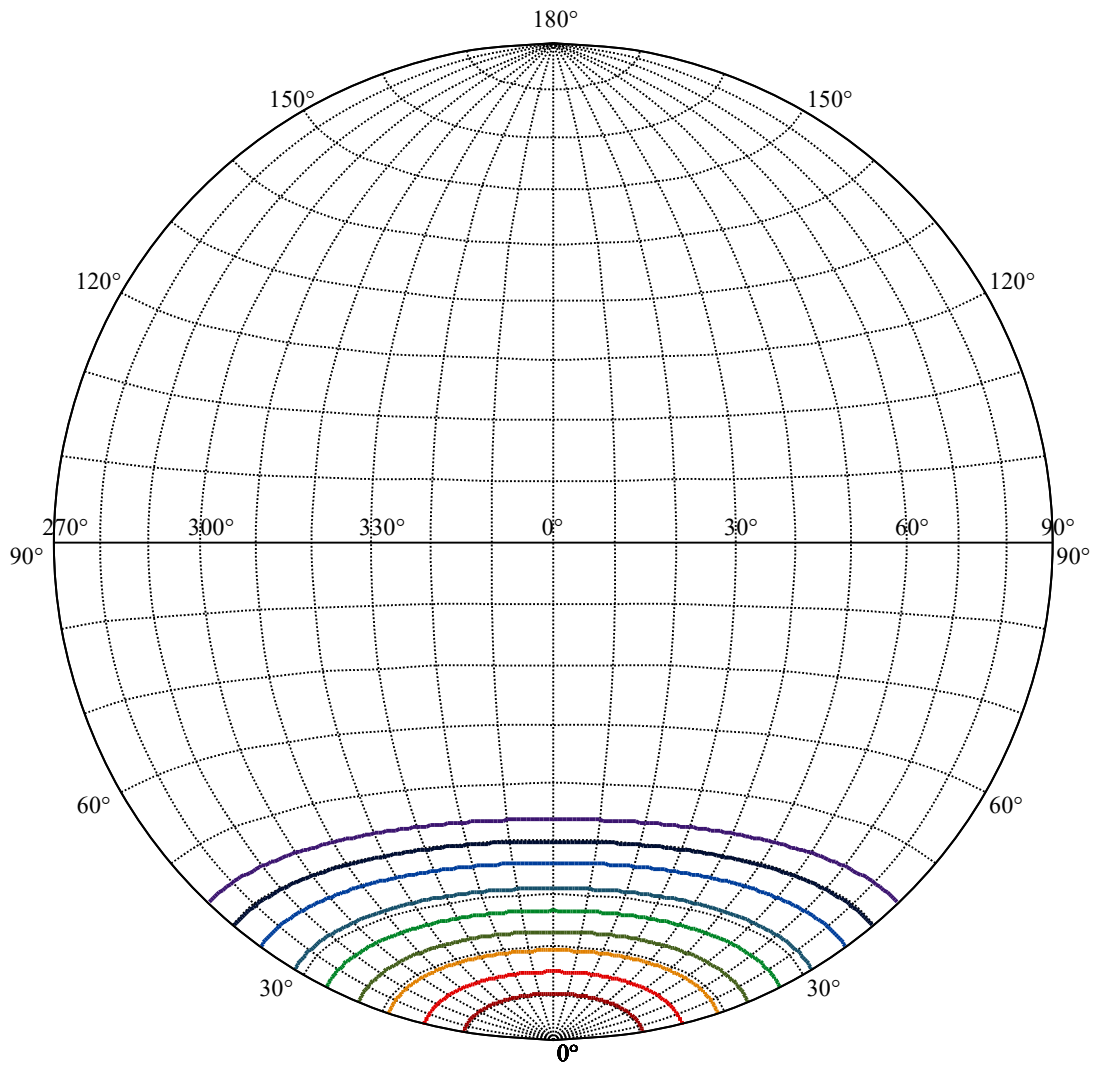
C0(Max): ———
C0/C180: ———
C90/C270: ———

Field angle(10%Imax):C0/180Left:43.7 Right:43.7
:C90/270Left:43.7 Right:43.7

Beam Angle(50%Imax):C0/180Left:27.0 Right:27.0
:C90/270Left:27.0 Right:27.0



Max , Ave Beam angle of C0 plane 54.06



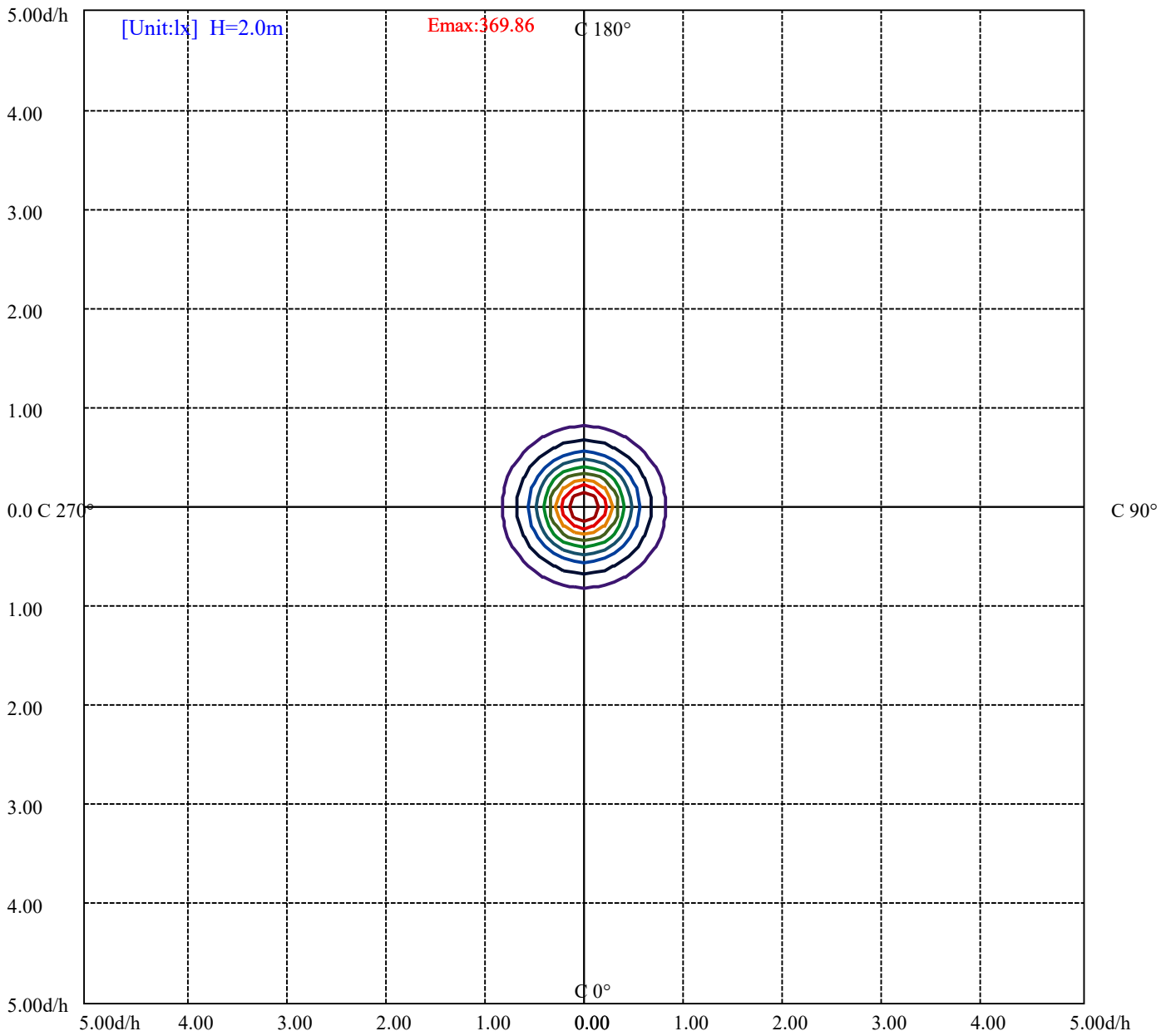
House

[Unit:cd]

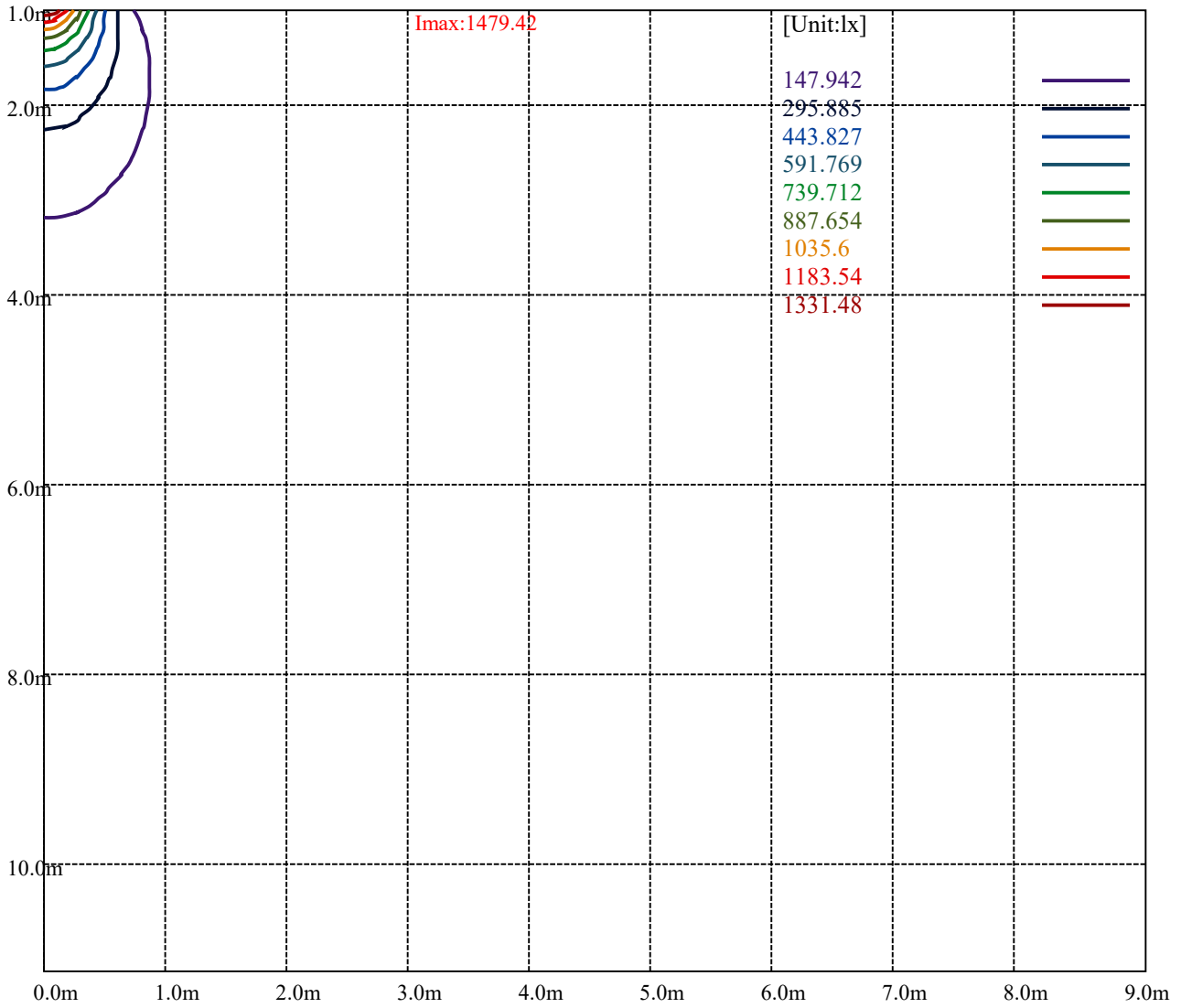
Road

Imax:1479.42

(10%Imax)	147.942	—
(20%Imax)	295.885	—
(30%Imax)	443.827	—
(40%Imax)	591.769	—
(50%Imax)	739.712	—
(60%Imax)	887.654	—
(70%Imax)	1035.6	—
(80%Imax)	1183.54	—
(90%Imax)	1331.48	—



(10%Emax) 36.9855	—
(20%Emax) 73.97125	—
(30%Emax) 110.9567	—
(40%Emax) 147.9422	—
(50%Emax) 184.928	—
(60%Emax) 221.9135	—
(70%Emax) 258.9	—
(80%Emax) 295.885	—
(90%Emax) 332.87	—



Luminance Table

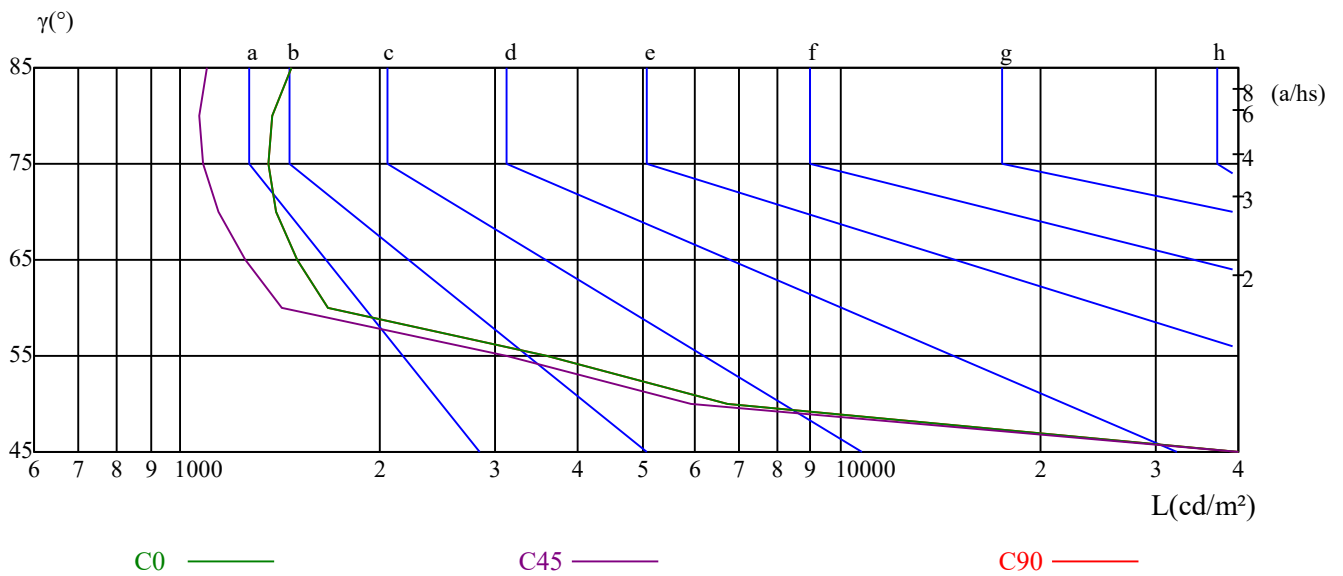
γ	45	50	55	60	65	70	75	80	85
C0	50817	6743	3594	1669	1499	1395	1360	1380	1469
C45	45252	5922	3109	1421	1252	1141	1085	1068	1094
C90	50817	6743	3594	1669	1499	1395	1360	1380	1469

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2856	2856	2856	3502	3502	3502	8557	8557	8557

Glare Table

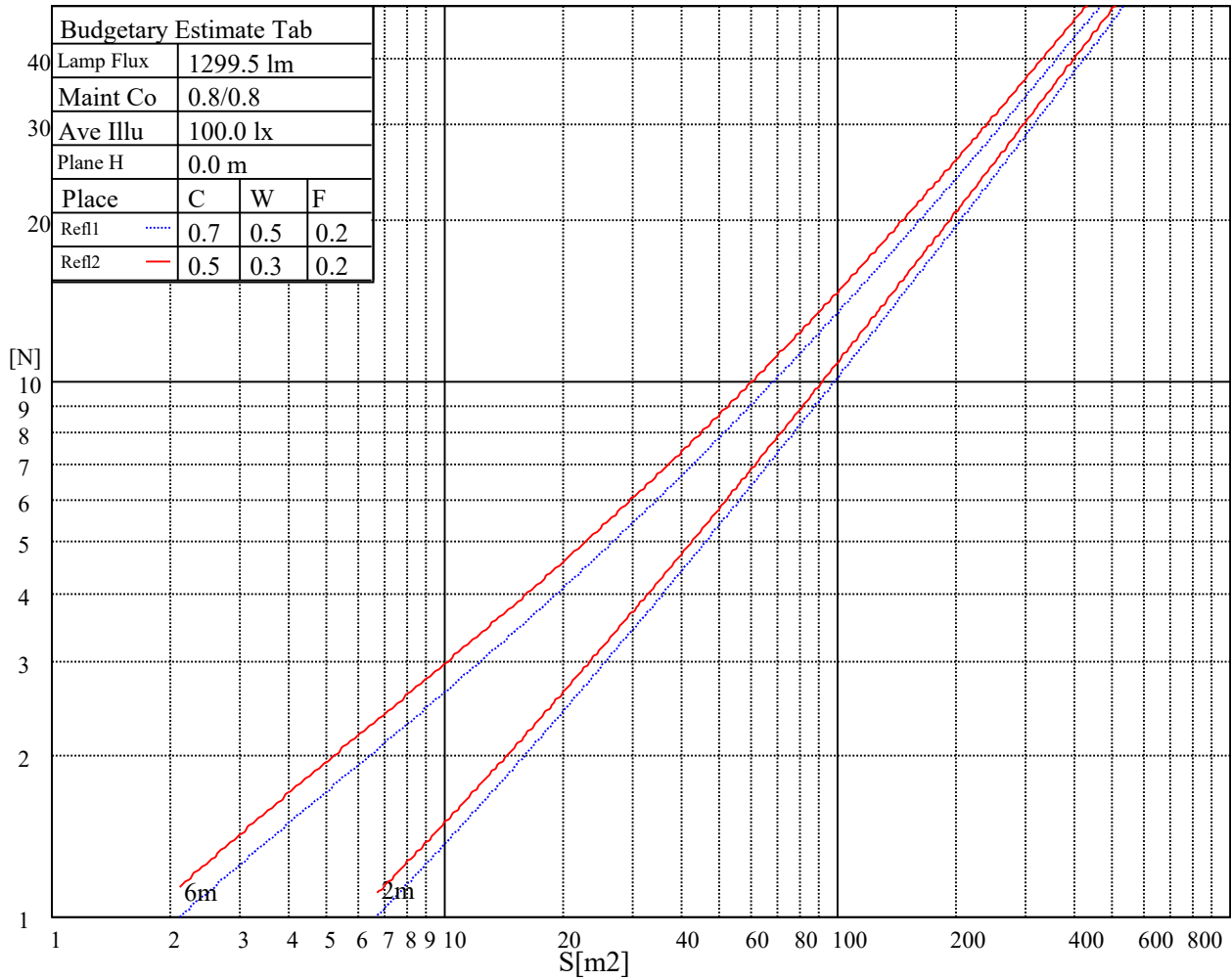
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

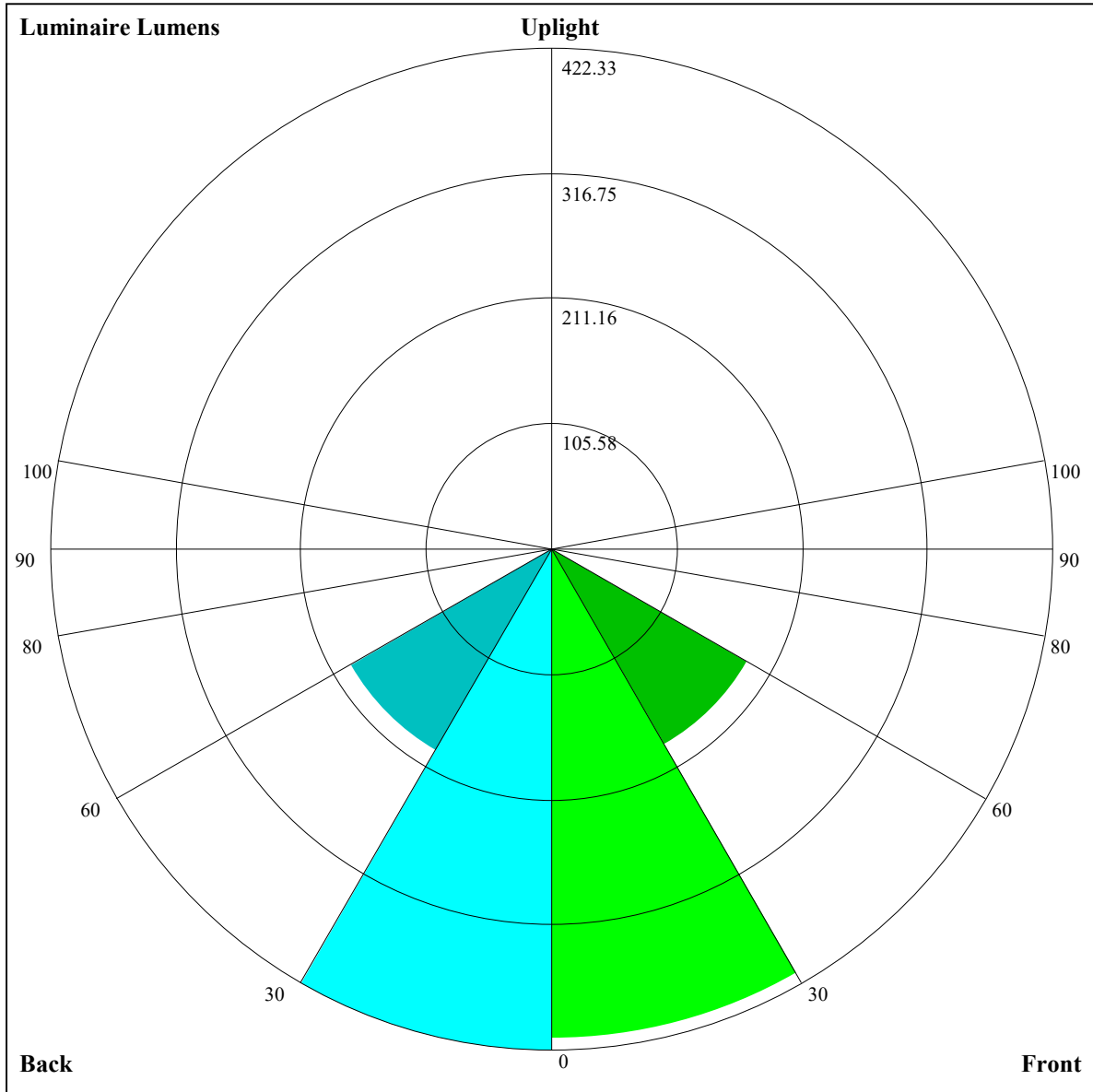


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	22.48	23.47	22.84	23.78	24.09	22.74	23.73	23.10	24.04	24.36
	3H	22.28	23.15	22.66	23.49	23.84	22.54	23.42	22.93	23.75	24.10
	4H	22.18	22.98	22.58	23.34	23.71	22.44	23.25	22.84	23.60	23.97
	6H	22.09	22.83	22.51	23.21	23.60	22.35	23.09	22.77	23.47	23.87
	8H	22.02	22.72	22.44	23.11	23.51	22.28	22.98	22.70	23.37	23.78
	12H	21.95	22.62	22.38	23.01	23.43	22.21	22.88	22.64	23.27	23.69
4H	2H	22.17	22.98	22.57	23.33	23.70	22.43	23.24	22.83	23.60	23.96
	3H	21.93	22.61	22.36	23.00	23.42	22.20	22.87	22.62	23.26	23.68
	4H	21.86	22.44	22.30	22.86	23.31	22.12	22.70	22.56	23.13	23.57
	6H	21.72	22.23	22.20	22.69	23.14	21.98	22.49	22.46	22.95	23.40
	8H	21.67	22.14	22.15	22.60	23.07	21.93	22.40	22.41	22.86	23.33
	12H	21.62	22.06	22.11	22.51	23.03	21.88	22.32	22.37	22.77	23.29
8H	4H	21.66	22.13	22.14	22.59	23.06	21.92	22.39	22.40	22.85	23.32
	6H	21.51	21.89	22.01	22.37	22.89	21.77	22.16	22.27	22.63	23.15
	8H	21.50	21.82	22.03	22.34	22.84	21.76	22.08	22.29	22.60	23.10
	12H	21.45	21.70	21.99	22.22	22.74	21.71	21.96	22.25	22.48	23.00
12H	4H	21.60	22.04	22.09	22.49	23.01	21.87	22.30	22.36	22.75	23.27
	6H	21.49	21.82	22.02	22.34	22.84	21.75	22.08	22.28	22.60	23.10
	8H	21.44	21.69	21.98	22.21	22.73	21.70	21.95	22.24	22.47	22.99
Variation with the observer position at spacings:											
S = 1.0H	4.0/-16.6					4.0/-16.6					
S = 1.5H	6.8/-16.8					6.8/-16.8					
S = 2.0H	8.8/-15.9					8.8/-15.9					
Standard tables:	BK0					BK0					
Uncorrected UGR	3.1					3.1					

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	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.12	1.12	1.12	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.02	1.00	1.02	1.00	0.98	0.99	0.97	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.88
2	0.97	0.93	0.90	0.96	0.92	0.89	0.93	0.90	0.87	0.90	0.87	0.85	0.87	0.85	0.84	0.82
3	0.91	0.86	0.82	0.89	0.85	0.81	0.87	0.83	0.80	0.84	0.81	0.79	0.82	0.80	0.78	0.76
4	0.85	0.79	0.75	0.83	0.79	0.75	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.72	0.71
5	0.79	0.74	0.69	0.78	0.73	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.73	0.70	0.67	0.66
6	0.74	0.68	0.64	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.66	0.63	0.69	0.66	0.63	0.61
7	0.70	0.64	0.60	0.69	0.64	0.60	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.57
8	0.66	0.60	0.56	0.65	0.60	0.56	0.64	0.59	0.56	0.63	0.59	0.55	0.62	0.58	0.55	0.54
9	0.62	0.56	0.52	0.61	0.56	0.52	0.60	0.56	0.52	0.60	0.55	0.52	0.59	0.55	0.52	0.51
10	0.58	0.53	0.49	0.58	0.53	0.49	0.57	0.52	0.49	0.57	0.52	0.49	0.56	0.52	0.49	0.48



Luminaire Lumens:

FL=413.22,FM=189.74,FH=2.19,FVH=0.82

BL=422.33,BM=196.53,BH=2.19,BVH=0.82

UL=0,UH=0

BUG Rating:B1-U0-G0

Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	1478.75	1476.24	1471.45	1461.30	1450.73	1436.46	1419.01	1396.94	1372.86
45.0	1474.39	1477.49	1475.23	1475.14	1467.17	1462.22	1454.84	1439.23	1421.44
90.0	1479.00	1480.68	1480.35	1481.35	1477.66	1473.63	1467.43	1454.00	1437.22
135.0	1485.55	1488.57	1493.18	1492.43	1493.94	1493.52	1487.56	1478.16	1466.84
180.0	1478.75	1481.52	1480.09	1478.92	1476.15	1469.27	1458.11	1441.41	1416.58
225.0	1474.39	1473.89	1473.05	1465.75	1452.41	1441.67	1414.56	1390.90	1363.97
270.0	1479.00	1475.98	1472.46	1464.32	1458.70	1447.04	1426.56	1410.70	1380.08
315.0	1485.55	1480.01	1470.61	1462.06	1445.53	1426.56	1398.12	1370.35	1338.71
360.0	1478.75	1476.24	1471.45	1461.30	1450.73	1436.46	1419.01	1396.94	1372.86
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1340.56	1309.77	1279.31	1237.94	1206.81	1173.00	1148.25	1117.04	1091.61
45.0	1399.71	1376.22	1341.40	1312.95	1282.25	1243.90	1213.53	1180.55	1151.18
90.0	1411.12	1384.36	1359.52	1321.68	1292.65	1256.32	1228.38	1197.17	1165.20
135.0	1447.29	1429.50	1397.20	1369.42	1338.88	1299.78	1269.58	1234.59	1204.21
180.0	1393.42	1364.56	1331.83	1291.47	1261.44	1232.41	1202.70	1168.05	1136.08
225.0	1332.76	1293.74	1261.35	1227.71	1196.75	1168.47	1129.87	1103.86	1072.73
270.0	1351.72	1319.42	1289.29	1244.91	1212.35	1179.71	1150.93	1112.17	1084.48
315.0	1305.82	1266.39	1233.50	1200.94	1172.75	1137.34	1108.06	1081.96	1042.36
360.0	1340.56	1309.77	1279.31	1237.94	1206.81	1173.00	1148.25	1117.04	1091.61
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1054.19	1018.11	981.86	944.44	900.14	861.96	827.90	796.26	756.49
45.0	1120.73	1091.11	1047.81	1008.46	969.86	931.52	883.11	845.10	812.71
90.0	1135.33	1088.76	1042.95	1000.83	950.57	909.96	869.26	830.33	785.27
135.0	1171.83	1142.21	1094.63	1051.34	1012.24	972.72	923.30	884.70	849.21
180.0	1107.30	1061.57	1023.98	988.16	941.59	904.08	868.59	827.06	794.50
225.0	1027.00	989.33	945.87	914.49	875.30	836.87	804.24	773.36	740.30
270.0	1054.95	1018.03	969.70	933.45	890.49	855.42	824.37	788.46	756.33
315.0	1002.25	966.76	921.62	885.46	849.96	810.70	779.82	748.44	718.74
360.0	1054.19	1018.11	981.86	944.44	900.14	861.96	827.90	796.26	756.49
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	723.60	682.49	648.51	617.21	580.79	551.68	525.58	499.07	462.99
45.0	778.31	734.17	700.86	659.75	631.14	601.60	568.21	540.86	515.35
90.0	750.70	703.21	667.47	634.33	595.73	566.78	538.67	511.24	479.27
135.0	811.53	767.32	727.63	681.06	646.58	610.50	572.32	543.12	514.09
180.0	760.10	726.96	684.25	650.44	619.98	590.36	553.86	524.49	494.62
225.0	699.60	668.22	634.49	603.95	567.45	539.76	512.33	477.26	445.62
270.0	724.19	687.69	656.56	622.33	594.30	566.19	531.04	502.51	474.65
315.0	677.71	645.07	612.68	581.63	546.73	520.55	493.45	456.61	423.05
360.0	723.60	682.49	648.51	617.21	580.79	551.68	525.58	499.07	462.99
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	429.09	392.34	355.26	307.85	272.69	236.61	191.89	158.25	125.61
45.0	489.51	453.85	417.18	379.51	343.59	293.59	258.18	222.52	176.62
90.0	452.75	420.53	382.86	337.80	300.89	265.65	222.52	188.96	156.23
135.0	477.84	449.31	414.24	380.09	344.94	298.87	264.97	230.91	189.54
180.0	461.48	426.91	380.18	344.10	306.00	268.16	220.34	183.50	148.60
225.0	409.96	361.88	324.63	276.22	239.30	202.21	167.22	133.49	94.98
270.0	433.88	396.29	346.61	311.21	273.36	226.46	189.71	156.23	124.35
315.0	375.65	338.06	300.80	263.63	220.08	186.69	152.88	121.33	84.49
360.0	429.09	392.34	355.26	307.85	272.69	236.61	191.89	158.25	125.61

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	86.93	60.75	34.65	20.98	13.01	10.82	9.48	8.56	7.89
45.0	142.89	110.67	74.84	50.60	28.19	17.87	12.92	11.58	10.15
90.0	117.64	87.85	62.26	36.16	22.07	14.35	12.42	10.66	9.48
135.0	157.49	125.19	88.94	62.43	36.83	22.57	14.77	12.92	11.33
180.0	109.16	80.80	55.97	36.00	22.15	12.59	10.66	9.31	8.47
225.0	68.05	44.64	27.35	14.60	10.57	9.15	8.05	7.22	6.29
270.0	86.93	60.75	38.76	22.57	11.91	9.90	8.81	7.47	6.71
315.0	58.82	37.17	21.73	11.66	9.73	8.31	7.30	6.54	5.79
360.0	86.93	60.75	34.65	20.98	13.01	10.82	9.48	8.56	7.89
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	7.30	6.63	5.54	3.52	3.27	3.10	3.02	2.85	2.77
45.0	9.15	8.39	7.55	6.29	4.20	3.27	3.10	2.94	2.85
90.0	8.47	7.38	5.71	4.11	3.19	3.02	2.94	2.77	2.68
135.0	10.40	9.65	8.81	7.47	4.61	3.19	2.94	2.85	2.68
180.0	7.80	6.96	6.04	4.03	3.27	3.19	3.02	2.94	2.77
225.0	5.62	4.87	3.36	3.19	3.02	2.94	2.77	2.68	2.60
270.0	6.04	5.29	4.61	3.36	3.10	3.02	2.94	2.85	2.68
315.0	5.20	4.36	3.19	3.10	2.94	2.85	2.68	2.60	2.52
360.0	7.30	6.63	5.54	3.52	3.27	3.10	3.02	2.85	2.77
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	2.68	2.60	2.52	2.43	2.35	2.27	2.18	2.10	2.01
45.0	2.68	2.68	2.52	2.43	2.35	2.35	2.27	2.18	2.10
90.0	2.60	2.52	2.43	2.35	2.27	2.27	2.18	2.10	2.01
135.0	2.68	2.52	2.52	2.35	2.35	2.27	2.18	2.10	2.10
180.0	2.68	2.60	2.52	2.43	2.35	2.27	2.18	2.10	2.01
225.0	2.52	2.43	2.35	2.27	2.18	2.18	2.10	2.01	1.93
270.0	2.60	2.52	2.43	2.35	2.27	2.18	2.10	2.10	2.01
315.0	2.43	2.35	2.27	2.18	2.10	2.01	2.01	2.01	1.85
360.0	2.68	2.60	2.52	2.43	2.35	2.27	2.18	2.10	2.01
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	1.93	1.93	1.85	1.85	1.76	1.76	1.68	1.68	1.68
45.0	2.01	1.93	1.93	1.93	1.76	1.76	1.76	1.68	1.68
90.0	2.01	1.93	1.85	1.85	1.76	1.76	1.68	1.59	1.68
135.0	2.01	1.93	1.85	1.85	1.76	1.76	1.76	1.68	1.68
180.0	2.01	1.93	1.85	1.85	1.76	1.76	1.68	1.68	1.68
225.0	1.85	1.85	1.85	1.76	1.76	1.68	1.68	1.59	1.59
270.0	1.93	1.93	1.85	1.85	1.76	1.76	1.68	1.68	1.59
315.0	1.85	1.85	1.76	1.76	1.76	1.68	1.59	1.59	1.59
360.0	1.93	1.93	1.85	1.85	1.76	1.76	1.68	1.68	1.68
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	1.59	1.59	1.59	1.51	1.51	1.51	1.43	1.43	1.43
45.0	1.68	1.59	1.59	1.51	1.59	1.51	1.51	1.43	1.43
90.0	1.59	1.59	1.51	1.51	1.51	1.43	1.43	1.43	1.43
135.0	1.59	1.59	1.51	1.51	1.51	1.43	1.43	1.43	1.43
180.0	1.59	1.59	1.59	1.51	1.51	1.43	1.43	1.43	1.43
225.0	1.59	1.59	1.51	1.51	1.51	1.43	1.43	1.43	1.43
270.0	1.59	1.51	1.51	1.51	1.51	1.43	1.43	1.43	1.43
315.0	1.51	1.51	1.43	1.43	1.43	1.43	1.34	1.34	1.34
360.0	1.59	1.59	1.59	1.51	1.51	1.51	1.43	1.43	1.43

Intensity data(cd)

C/γ(°)	90.0
0.0	1.43
45.0	1.34
90.0	1.43
135.0	1.34
180.0	1.43
225.0	1.34
270.0	1.43
315.0	1.34
360.0	1.43