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

Nata

Client:
LumCAT: 2-2751-L
Luminaire: 92.70.412.00
Report No: 2024820-B020
Ballast type: AC

Test No: 2024820-C020	Voltage(V): 34.990
LampCAT: Fortimo_SLM_C_1205	Current(A): 0.362
Lamp flux(lm): 2137.0	Power (W): 12.670
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2005.52, Efficiency(%): 93.85% , Luminous Efficacy(lm/W): 158.29
Central intensity(cd): 9200.606, Maximum intensity(cd): 9200.606
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=19.8
[C90/270]Total=19.8
Field angle(10%Imax): [C0/180]Total=50.4
[C90/270]Total=50.4
Maximum s/h(1/2): C0_180=0.34 C90_270=0.34
Maximum s/h(1/4): C0_180=0.37 C90_270=0.37
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 93.85%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.948%

Nata 2-2751-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9200.606	0.000	0	0.00%	0.00%
1.0	9141.532	8.776	8.776	0.41%	0.44%
2.0	8962.675	25.985	34.761	1.22%	1.73%
3.0	8663.897	42.157	76.918	1.97%	3.84%
4.0	8241.222	56.587	133.505	2.65%	6.66%
5.0	7739.986	68.750	202.255	3.22%	10.08%
6.0	7163.034	78.319	280.575	3.66%	13.99%
7.0	6469.373	84.616	365.191	3.96%	18.21%
8.0	5843.255	88.119	453.31	4.12%	22.60%
9.0	5174.594	89.294	542.604	4.18%	27.06%
10.0	4540.894	87.922	630.525	4.11%	31.44%
11.0	4009.494	85.436	715.961	4.00%	35.70%
12.0	3537.233	82.497	798.458	3.86%	39.81%
13.0	3048.730	78.159	876.616	3.66%	43.71%
14.0	2737.140	74.059	950.675	3.47%	47.40%
15.0	2417.678	70.768	1021.443	3.31%	50.93%
16.0	2127.198	66.595	1088.038	3.12%	54.25%
17.0	1923.124	63.074	1151.112	2.95%	57.40%
18.0	1732.375	60.271	1211.383	2.82%	60.40%
19.0	1570.311	57.460	1268.843	2.69%	63.27%
20.0	1413.301	54.608	1323.452	2.56%	65.99%
21.0	1301.553	52.131	1375.583	2.44%	68.59%
22.0	1184.351	49.955	1425.538	2.34%	71.08%
23.0	1091.441	47.752	1473.29	2.23%	73.46%
24.0	1018.070	46.121	1519.412	2.16%	75.76%
25.0	936.749	44.448	1563.86	2.08%	77.98%
26.0	850.823	42.196	1606.056	1.97%	80.08%
27.0	779.633	39.889	1645.945	1.87%	82.07%
28.0	700.060	37.463	1683.408	1.75%	83.94%
29.0	634.883	34.926	1718.334	1.63%	85.68%
30.0	556.834	32.176	1750.51	1.51%	87.28%
31.0	485.441	29.005	1779.515	1.36%	88.73%
32.0	425.270	26.091	1805.606	1.22%	90.03%
33.0	360.040	23.136	1828.741	1.08%	91.19%
34.0	311.065	20.310	1849.051	0.95%	92.20%
35.0	271.439	18.090	1867.141	0.85%	93.10%
36.0	217.727	15.575	1882.716	0.73%	93.88%
37.0	194.540	13.446	1896.162	0.63%	94.55%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	151.774	11.560	1907.722	0.54%	95.12%
39.0	126.748	9.507	1917.228	0.44%	95.60%
40.0	105.598	8.103	1925.332	0.38%	96.00%
41.0	88.029	6.895	1932.227	0.32%	96.35%
42.0	73.555	5.871	1938.097	0.27%	96.64%
43.0	61.715	5.011	1943.108	0.23%	96.89%
44.0	52.365	4.306	1947.414	0.20%	97.10%
45.0	44.816	3.735	1951.149	0.17%	97.29%
46.0	39.343	3.291	1954.44	0.15%	97.45%
47.0	35.026	2.958	1957.398	0.14%	97.60%
48.0	31.275	2.680	1960.078	0.13%	97.73%
49.0	28.541	2.456	1962.534	0.11%	97.86%
50.0	26.419	2.291	1964.826	0.11%	97.97%
51.0	24.724	2.164	1966.99	0.10%	98.08%
52.0	23.410	2.065	1969.055	0.10%	98.18%
53.0	22.490	1.997	1971.052	0.09%	98.28%
54.0	21.735	1.949	1973.001	0.09%	98.38%
55.0	21.268	1.920	1974.921	0.09%	98.47%
56.0	20.953	1.908	1976.829	0.09%	98.57%
57.0	20.762	1.907	1978.736	0.09%	98.66%
58.0	20.526	1.909	1980.645	0.09%	98.76%
59.0	20.210	1.904	1982.55	0.09%	98.85%
60.0	19.639	1.883	1984.432	0.09%	98.95%
61.0	18.758	1.832	1986.265	0.09%	99.04%
62.0	17.510	1.748	1988.012	0.08%	99.13%
63.0	16.176	1.638	1989.65	0.08%	99.21%
64.0	14.461	1.503	1991.154	0.07%	99.28%
65.0	13.029	1.360	1992.514	0.06%	99.35%
66.0	11.459	1.222	1993.736	0.06%	99.41%
67.0	10.243	1.091	1994.827	0.05%	99.47%
68.0	9.343	0.992	1995.819	0.05%	99.52%
69.0	8.397	0.905	1996.724	0.04%	99.56%
70.0	7.760	0.830	1997.554	0.04%	99.60%
71.0	7.181	0.772	1998.326	0.04%	99.64%
72.0	6.682	0.721	1999.047	0.03%	99.68%
73.0	6.216	0.674	1999.722	0.03%	99.71%
74.0	5.828	0.633	2000.355	0.03%	99.74%
75.0	5.414	0.594	2000.949	0.03%	99.77%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.039	0.555	2001.504	0.03%	99.80%
77.0	4.658	0.517	2002.021	0.02%	99.83%
78.0	4.310	0.480	2002.501	0.02%	99.85%
79.0	3.942	0.443	2002.944	0.02%	99.87%
80.0	3.581	0.406	2003.35	0.02%	99.89%
81.0	3.226	0.368	2003.718	0.02%	99.91%
82.0	2.845	0.329	2004.047	0.02%	99.93%
83.0	2.490	0.290	2004.337	0.01%	99.94%
84.0	2.181	0.254	2004.592	0.01%	99.95%
85.0	1.866	0.221	2004.813	0.01%	99.96%
86.0	1.623	0.191	2005.003	0.01%	99.97%
87.0	1.380	0.164	2005.168	0.01%	99.98%
88.0	1.130	0.137	2005.305	0.01%	99.99%
89.0	0.966	0.115	2005.42	0.01%	99.99%
90.0	0.874	0.101	2005.521	0.00%	100.00%

Zonal flux distribution table

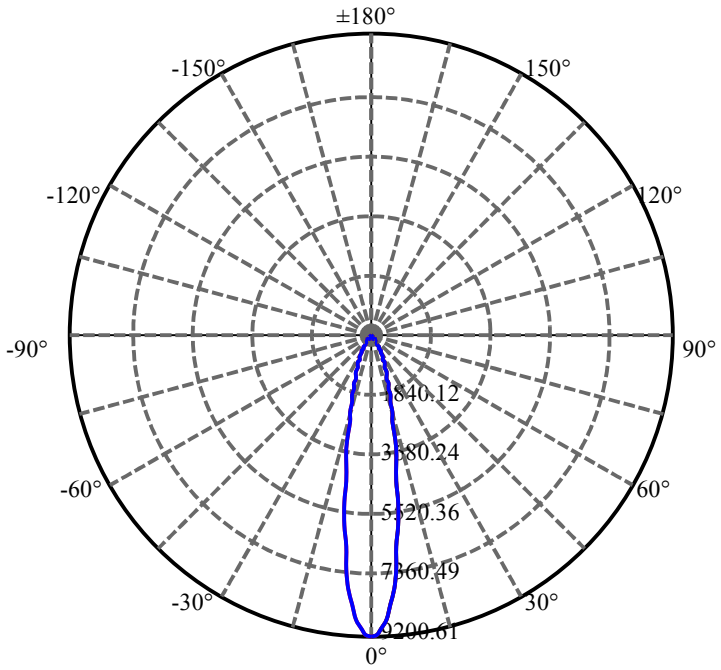
ZONAL LUMEN SUMMARY

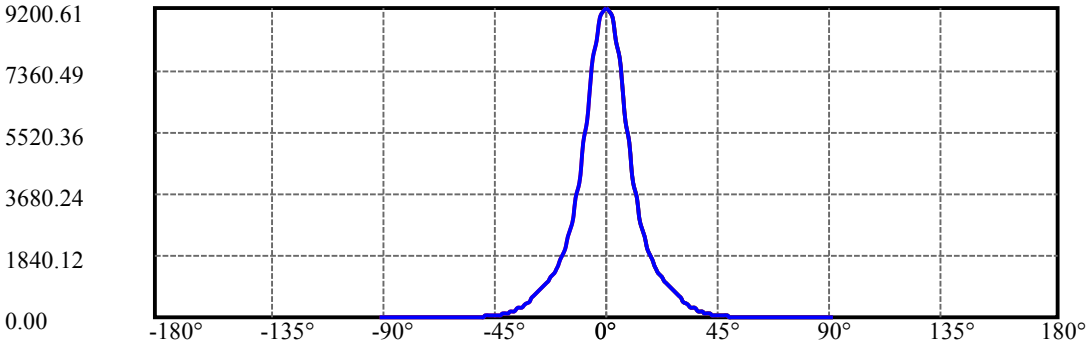
Zone	Lumens	%Lamp	%Fixt
0-30	1750.51	81.91%	87.28%
0-40	1925.33	90.10%	96.00%
0-60	1984.43	92.86%	98.95%
0-90	2005.42	93.84%	99.99%
0-120	2005.42	93.84%	99.99%
0-180	2005.52	93.85%	100.00%
60-90	20.99	0.98%	1.05%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.96	1604.42	75.08%	80.00%

ZONAL LUMEN SUMMARY

0-10	630.53
10-20	692.93
20-30	427.06
30-40	174.82
40-50	39.49
50-60	19.61
60-70	13.12
70-80	5.80
80-90	2.07
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

Light Distribution Curve [Unit:cd]





C0(Max):

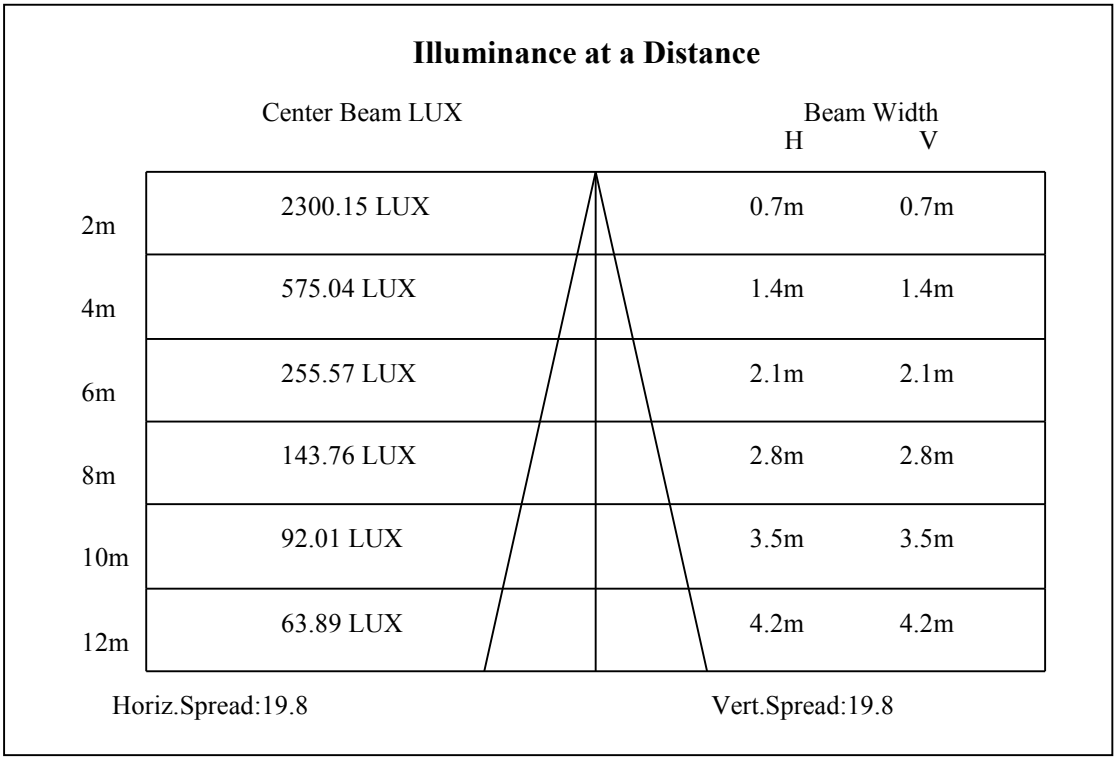
C0/C180:

C90/C270:

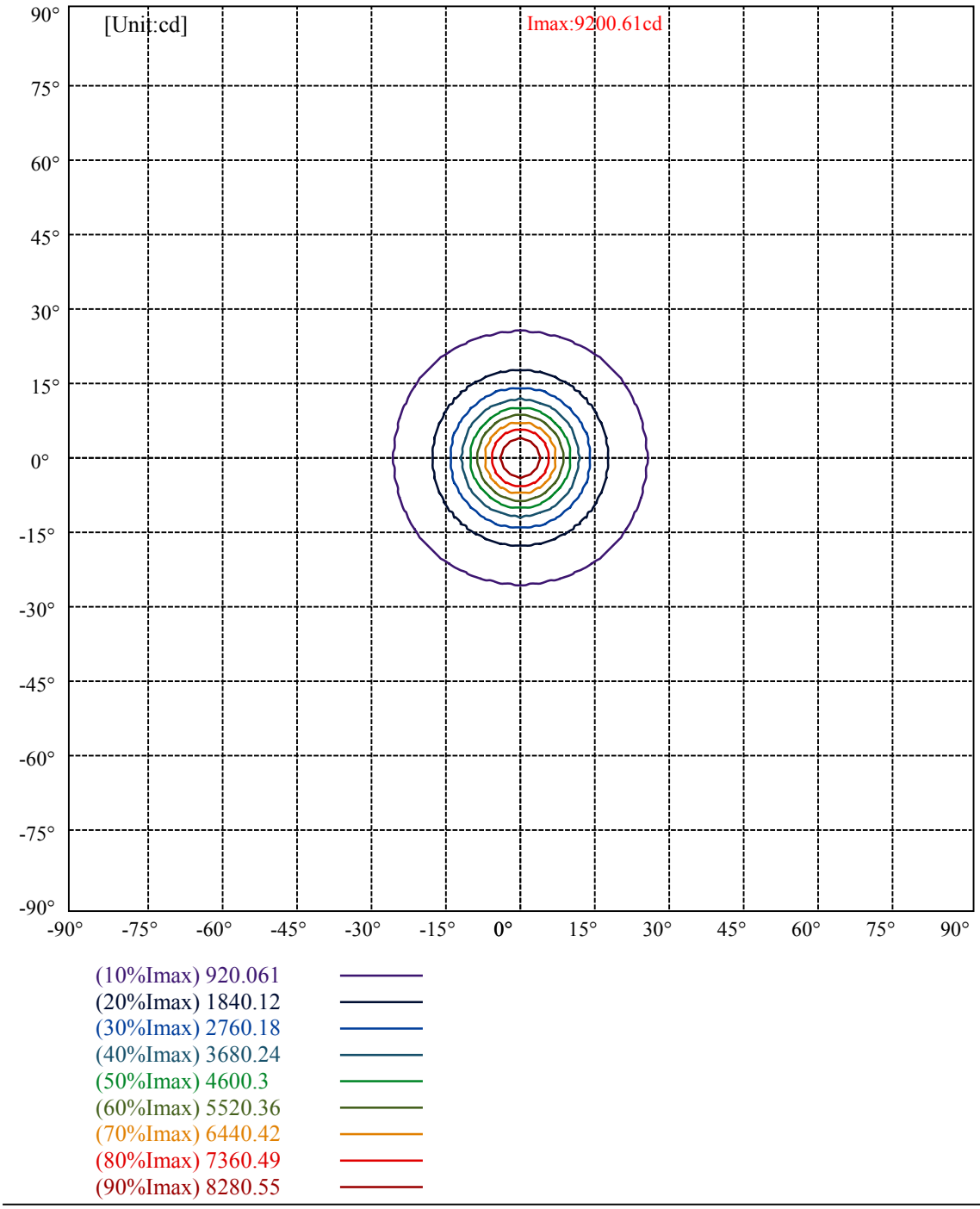
Field angle(10%Imax):C0/180Left:25.2 Right:25.2
:C90/270Left:25.2 Right:25.2

Beam Angle(50%Imax):C0/180Left:9.9 Right:9.9
:C90/270Left:9.9 Right:9.9

Lux distance Curve



ISO-Intensity(V-H)

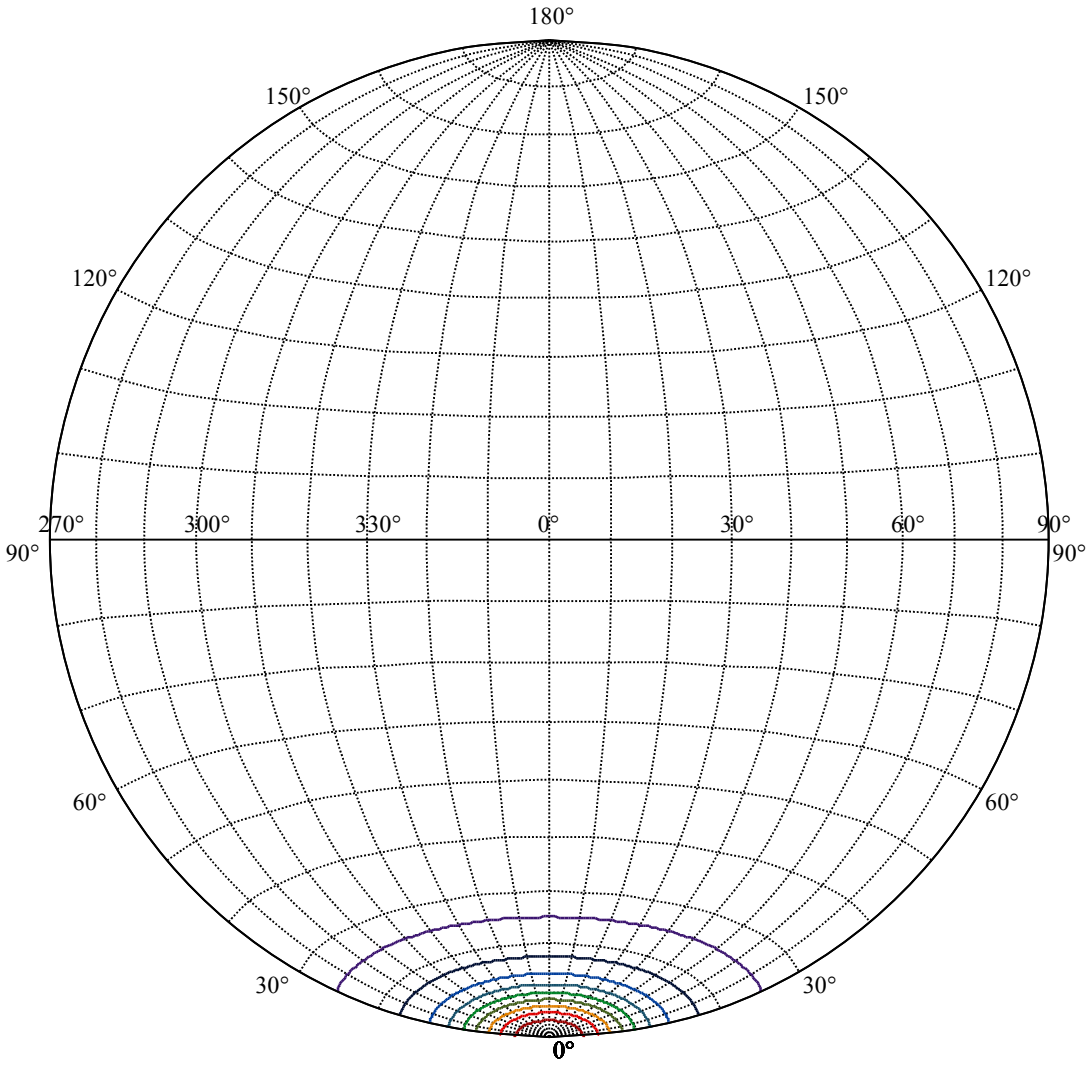


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/20
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO candela diagram on circular web

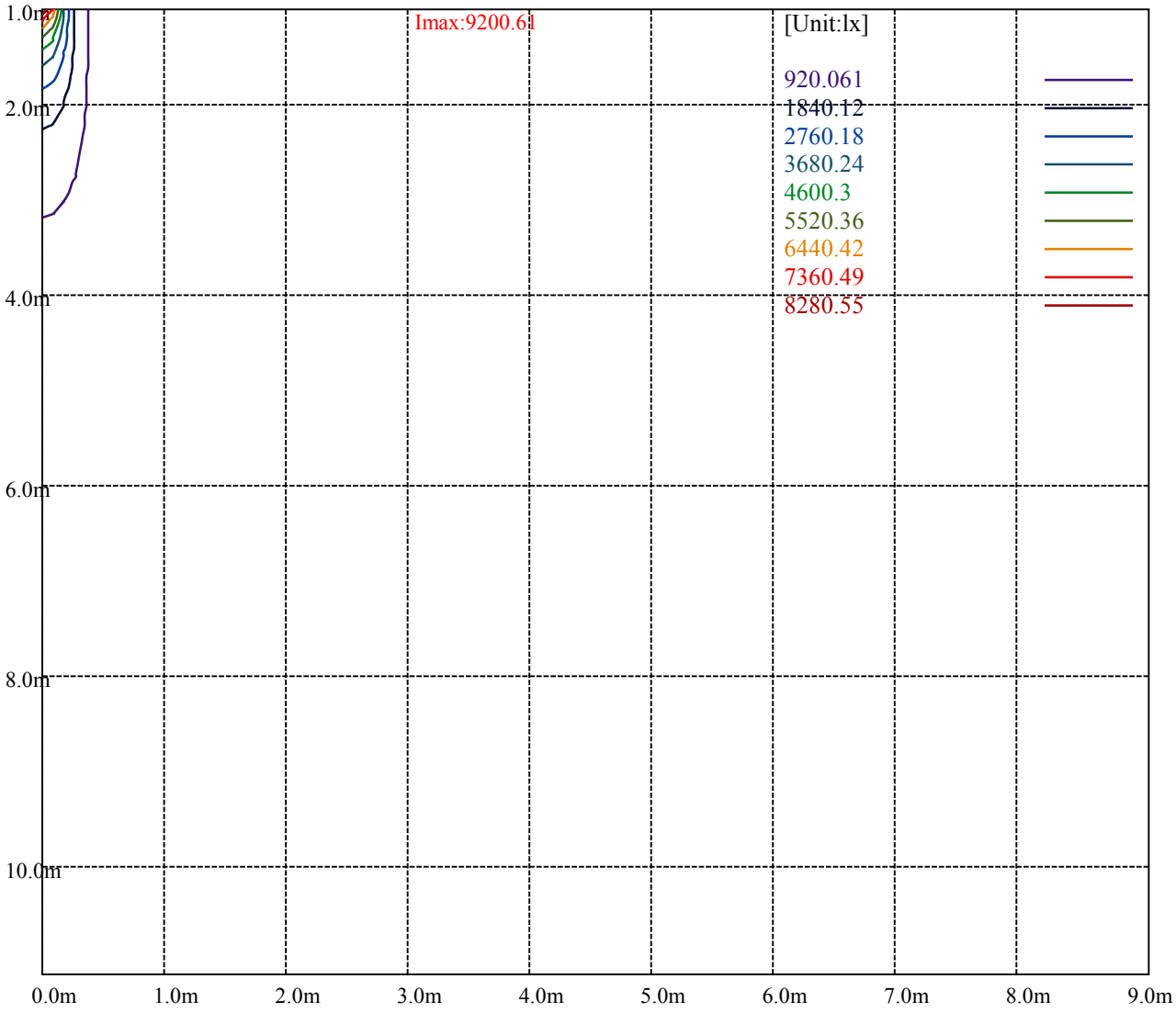


House [Unit:cd] Road

Imax:9200.61

(10%Imax) 920.061
(20%Imax) 1840.12
(30%Imax) 2760.18
(40%Imax) 3680.24
(50%Imax) 4600.3
(60%Imax) 5520.36
(70%Imax) 6440.42
(80%Imax) 7360.49
(90%Imax) 8280.55

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/20
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Nata 2-2751-L

Luminance Limitting Curve(no luminous side)

Luminance Table

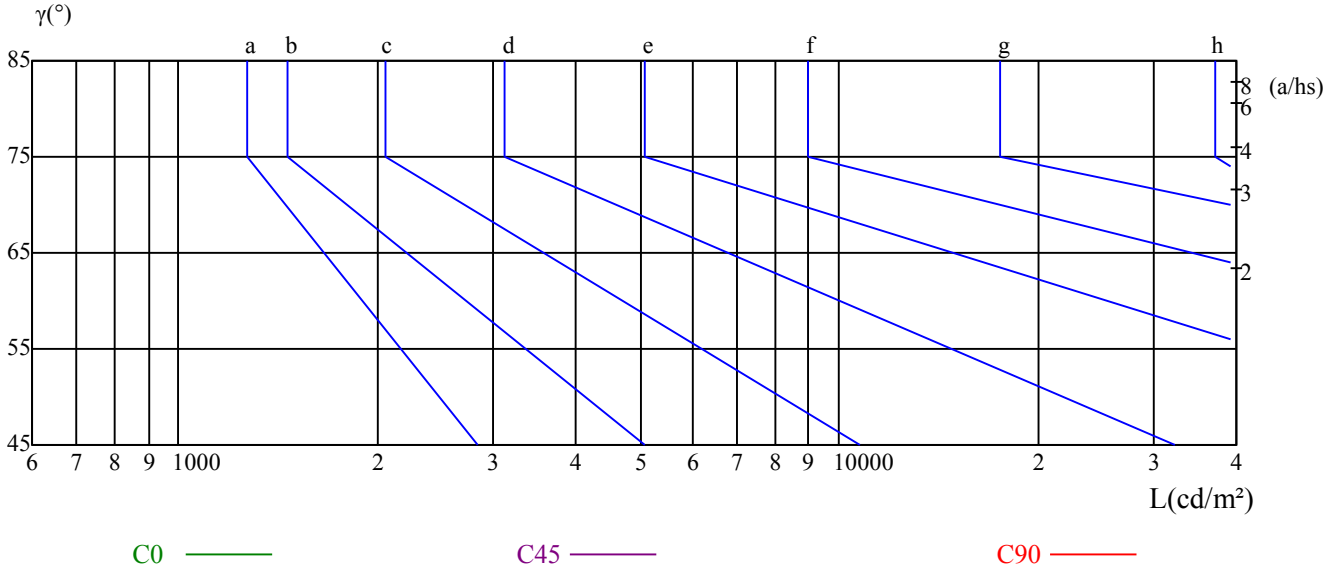
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
0	0	0	0	0	0	0	0	0

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 Limitting Curve



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/20
Humidity(%): 60.0%

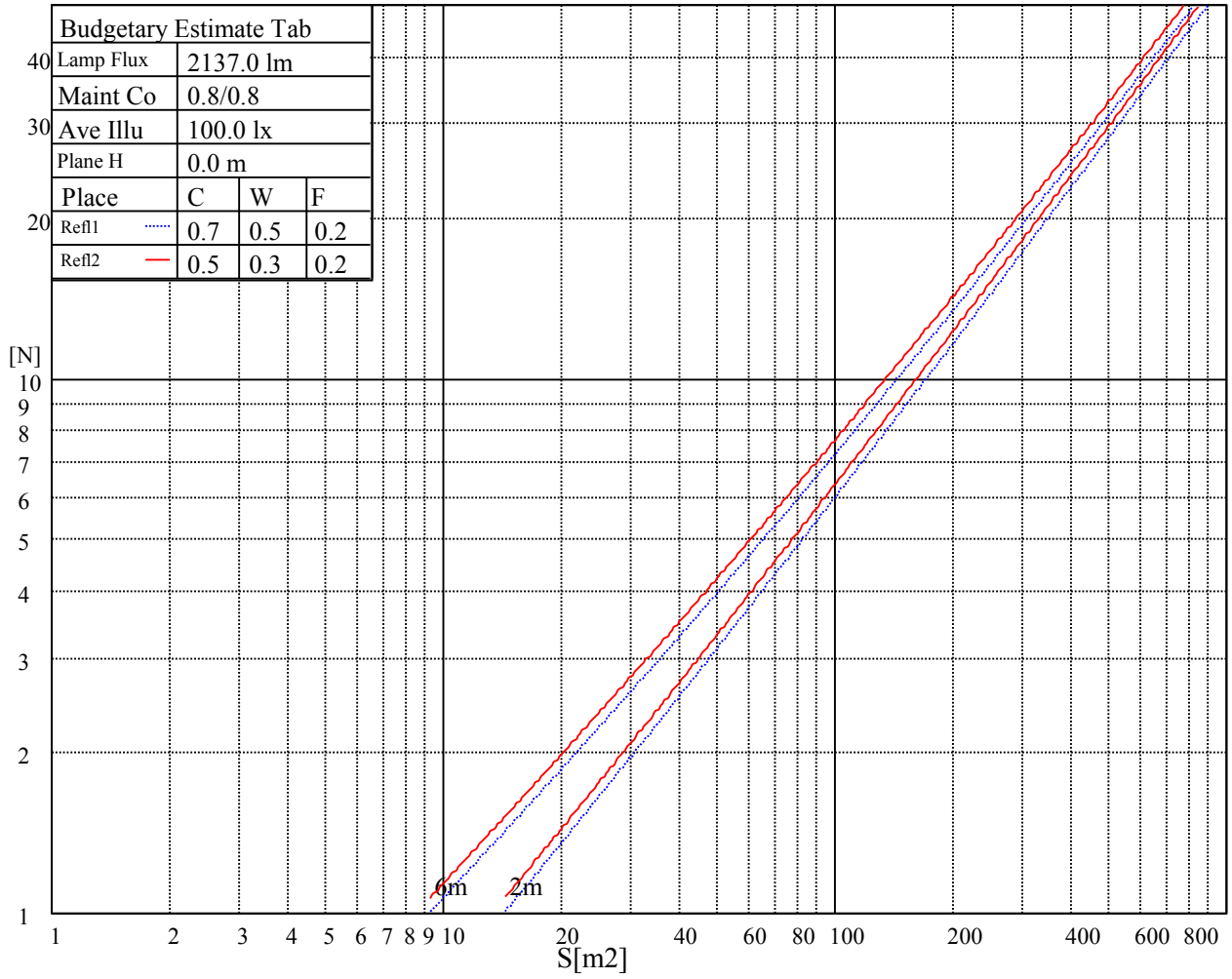
Operator: NT
Distance(m): 7.25

UGR Glare

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	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
4H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
8H	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
12H	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
Variation with the observer position at spacings:											
S = 1.0H		非数字/非数字					非数字/非数字				
S = 1.5H		非数字/非数字					非数字/非数字				
S = 2.0H		非数字/非数字					非数字/非数字				
Standard tables:		BK0					BK0				
Uncorrected UGR		负无穷大					负无穷大				

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

Budgetary Estimate Table



Equipment: GMS 1800
Temperature(°C): 25.0

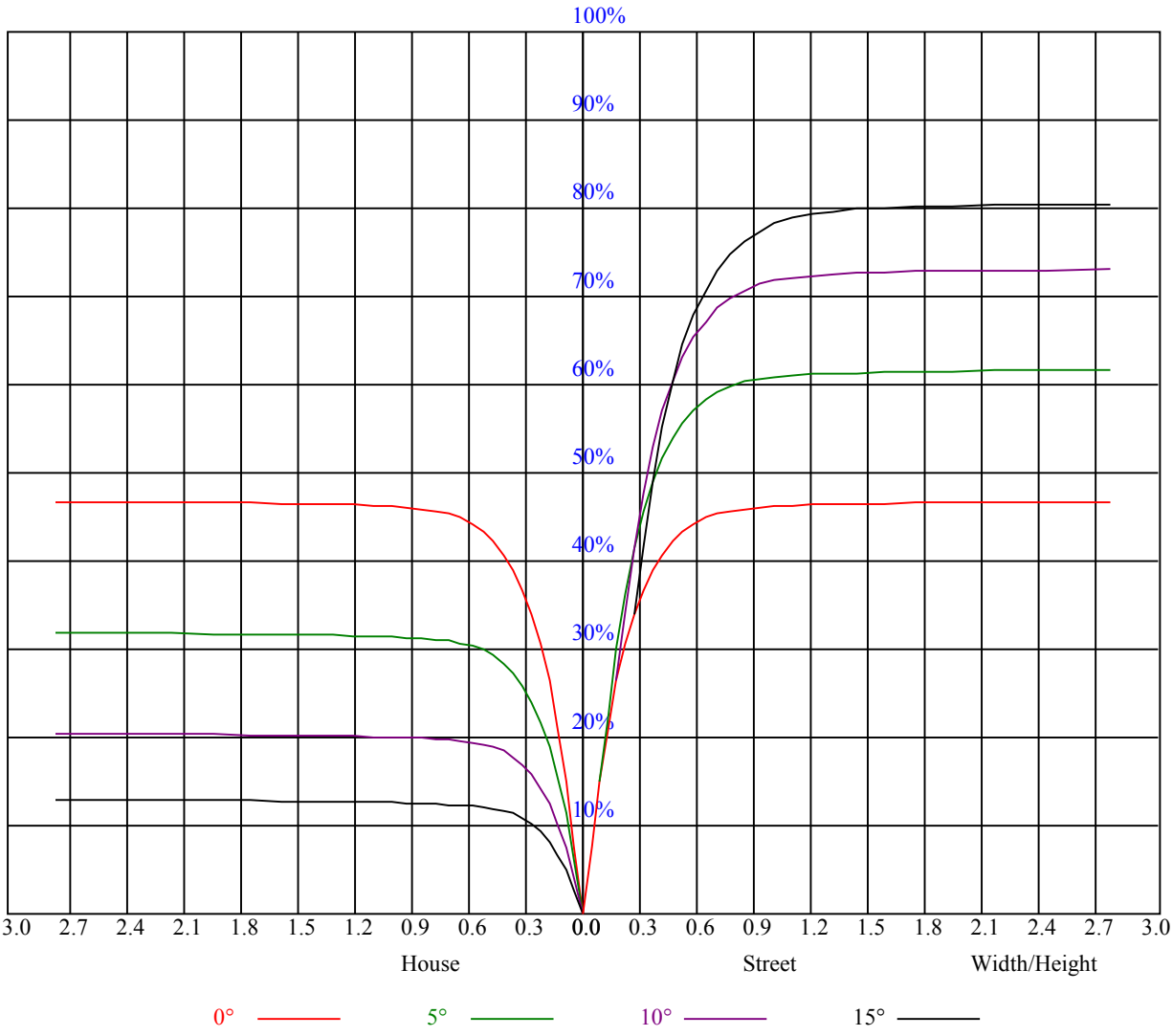
Date: 2024/8/20
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

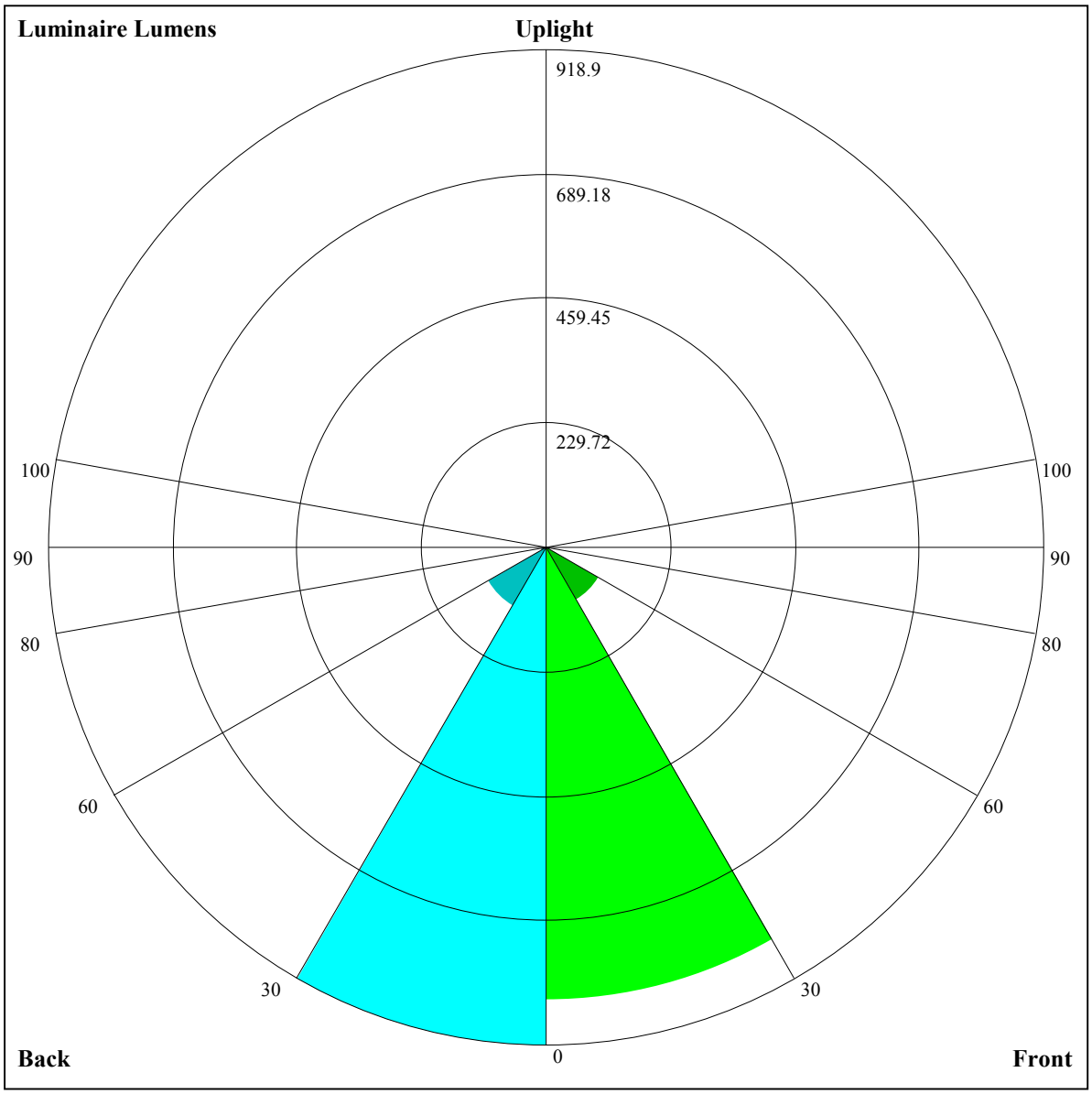
Utilization factor table for indoor luminaire

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	1.12	1.12	1.12	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.03	1.01	1.03	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90
2	1.00	0.96	0.94	0.98	0.95	0.93	0.95	0.93	0.91	0.92	0.90	0.89	0.90	0.88	0.87	0.86
3	0.95	0.91	0.88	0.93	0.90	0.87	0.91	0.88	0.86	0.89	0.86	0.84	0.87	0.85	0.83	0.82
4	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.86	0.83	0.81	0.84	0.82	0.80	0.78
5	0.86	0.82	0.79	0.85	0.81	0.78	0.84	0.80	0.78	0.82	0.79	0.77	0.81	0.78	0.76	0.75
6	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.76	0.73	0.72
7	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.70
8	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.74	0.71	0.68	0.67
9	0.74	0.70	0.67	0.74	0.69	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.65
10	0.72	0.67	0.65	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.63

Coefficient Utilization Curve



Equipment: GMS 1800	Date: 2024/8/20	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.25



Luminaire Lumens:
FL=835.92,FM=112.19,FH=9.01,FVH=0.99
BL=918.9,BM=125.73,BH=9.89,BVH=1.18
UL=0,UH=0

BUG Rating:B2-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	9111.60	8845.27	8455.78	7966.06	7392.18	6744.77	6048.31	5370.78	4718.90
45.0	9304.93	9109.92	8809.58	8391.18	7847.95	7228.40	6697.93	5866.66	5316.17
90.0	9090.42	8783.40	8356.65	7813.36	7174.89	6476.17	5769.15	5077.17	4436.43
135.0	9295.47	9235.28	9063.67	8751.08	8308.13	7753.23	7104.66	6410.47	5692.26
180.0	9111.60	9253.68	9293.21	9198.49	8960.59	8611.26	8335.99	7548.76	6881.27
225.0	9304.93	9376.20	9326.06	9151.71	8831.87	8381.67	7828.97	7187.13	6475.07
270.0	9090.42	9282.06	9360.65	9306.03	9109.34	8938.31	8359.96	7823.40	7451.79
315.0	9295.47	9246.43	9035.81	8733.26	8304.82	7786.08	7159.28	6470.60	5774.15
360.0	9111.60	8845.27	8455.78	7966.06	7392.18	6744.77	6048.31	5370.78	4718.90

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4109.91	3567.78	3104.24	2725.94	2409.47	2201.63	1979.35	1791.01	1628.86
45.0	4653.73	3944.45	3524.37	3078.64	2701.40	2377.14	2113.07	1883.52	1690.73
90.0	3853.09	3340.50	2917.59	2704.18	2272.96	2119.16	1891.30	1641.16	1554.22
135.0	4999.17	4361.22	3791.23	3481.42	3037.38	2670.23	2364.31	2109.18	1890.73
180.0	6452.78	5432.65	5020.35	4368.47	3572.25	3280.85	2868.55	2525.89	2242.32
225.0	5735.73	5030.91	4370.10	3786.76	3290.89	3034.59	2670.75	2248.47	2094.09
270.0	6497.36	6063.35	5345.13	4676.01	4064.24	3526.58	3075.27	2699.19	2385.50
315.0	5094.99	4586.29	4002.95	3476.43	3041.27	2686.94	2378.82	2119.16	1898.56
360.0	4109.91	3567.78	3104.24	2725.94	2409.47	2201.63	1979.35	1791.01	1628.86

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1486.78	1361.42	1222.13	1103.08	1068.12	980.61	899.92	815.77	738.24
45.0	1529.73	1396.01	1283.42	1183.13	1090.67	1001.53	919.06	840.47	765.26
90.0	1426.65	1318.00	1092.77	1092.77	1025.34	943.02	861.60	783.76	708.07
135.0	1709.65	1550.86	1418.82	1298.50	1194.85	1099.03	1010.41	926.83	843.26
180.0	2008.31	1808.31	1640.58	1495.72	1364.79	1251.67	1150.86	1058.92	970.88
225.0	1866.23	1675.11	1511.86	1374.82	1217.72	1074.75	1055.67	966.57	881.47
270.0	2113.07	1891.30	1702.97	1542.50	1411.04	1296.24	1195.43	1101.82	1014.35
315.0	1718.58	1561.47	1433.85	1321.89	1102.29	1084.68	1051.62	999.84	885.05
360.0	1486.78	1361.42	1222.13	1103.08	1068.12	980.61	899.92	815.77	738.24

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	658.56	580.82	503.76	431.12	394.11	338.13	288.83	244.52	205.73
45.0	721.26	620.97	577.50	506.76	434.90	367.46	307.86	286.68	276.64
90.0	631.54	555.59	509.91	404.42	336.77	301.76	252.67	213.98	180.34
135.0	765.84	688.41	610.41	534.61	457.19	385.86	325.10	293.93	293.93
180.0	887.31	808.73	730.20	683.94	576.98	531.83	457.71	390.33	331.83
225.0	800.74	728.15	671.64	587.75	531.56	464.18	384.86	335.66	280.95
270.0	933.56	856.66	794.80	705.65	632.69	574.19	497.82	420.97	350.17
315.0	838.27	761.16	680.84	600.42	519.32	438.74	365.47	302.44	251.93
360.0	658.56	580.82	503.76	431.12	394.11	338.13	288.83	244.52	205.73

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	172.77	144.39	120.26	99.92	82.84	68.96	57.56	48.52	41.42
45.0	184.02	154.64	129.72	108.80	91.46	77.16	65.44	55.61	49.20
90.0	151.22	126.73	106.18	88.73	74.59	62.81	53.56	46.36	40.58
135.0	203.00	171.62	144.23	120.95	101.18	85.36	72.12	61.24	52.51
180.0	291.67	291.67	194.59	162.52	134.72	111.85	92.77	77.06	64.39
225.0	236.32	198.79	167.20	139.55	116.16	96.24	80.05	66.33	55.35
270.0	291.67	291.67	204.52	171.04	142.29	117.58	97.08	80.37	66.60
315.0	211.14	176.82	147.49	122.47	101.55	84.26	69.86	58.24	48.88
360.0	172.77	144.39	120.26	99.92	82.84	68.96	57.56	48.52	41.42

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	36.27	32.48	29.38	27.02	25.28	23.81	22.60	21.97	21.55
45.0	42.79	37.00	33.90	31.12	28.70	26.81	25.34	24.34	23.50
90.0	36.16	32.64	29.91	27.49	25.65	24.70	23.13	22.29	21.97
135.0	45.62	39.95	35.58	33.48	29.28	26.91	25.76	24.28	23.07
180.0	53.98	45.94	41.94	36.48	32.48	29.38	26.96	24.97	23.50
225.0	46.68	39.84	34.64	30.80	27.96	25.86	24.07	22.60	22.02
270.0	55.30	49.78	42.16	34.43	31.91	28.75	26.44	24.44	22.81
315.0	41.73	37.11	32.69	29.38	27.07	25.12	23.50	22.39	21.50
360.0	36.27	32.48	29.38	27.02	25.28	23.81	22.60	21.97	21.55

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	21.03	20.71	20.66	20.66	20.03	19.40	18.45	16.82	14.93
45.0	22.92	22.65	22.29	21.81	21.50	20.76	19.45	18.03	16.29
90.0	21.76	21.45	21.08	21.03	20.76	19.92	18.82	17.19	15.09
135.0	22.13	21.76	21.55	21.29	21.08	21.29	20.87	19.92	18.82
180.0	22.34	21.34	20.76	20.60	20.29	20.13	20.13	19.97	19.45
225.0	21.18	20.81	20.55	20.55	20.45	20.18	19.97	19.61	18.61
270.0	21.81	20.92	20.29	20.03	20.08	19.82	19.61	19.61	19.08
315.0	20.71	20.50	20.45	20.13	20.03	20.18	19.82	18.92	17.82
360.0	21.03	20.71	20.66	20.66	20.03	19.40	18.45	16.82	14.93

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.30	11.62	10.25	9.30	8.46	7.78	7.25	6.68	6.15
45.0	15.09	12.56	11.62	10.35	8.88	8.46	7.78	7.31	6.78
90.0	13.25	11.62	10.14	9.04	8.30	7.62	7.04	6.52	6.04
135.0	17.35	15.30	13.56	12.04	10.72	9.72	9.20	8.20	7.62
180.0	18.61	17.24	16.19	13.77	12.14	11.20	9.41	8.88	8.04
225.0	17.35	15.77	13.82	12.09	10.78	9.46	8.57	7.83	7.46
270.0	18.19	17.19	15.82	13.88	12.25	11.14	9.62	8.83	7.99
315.0	16.29	14.40	12.83	11.20	10.41	9.36	8.30	7.83	7.36
360.0	13.30	11.62	10.25	9.30	8.46	7.78	7.25	6.68	6.15

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.78	5.41	5.10	4.63	4.36	3.99	3.63	3.26	2.94
45.0	6.36	5.94	5.57	5.20	4.84	4.36	4.05	3.73	3.26
90.0	5.73	5.31	5.05	4.73	4.26	3.94	3.63	3.15	2.79
135.0	7.31	6.83	6.36	5.89	5.57	5.15	4.73	4.36	4.05
180.0	7.41	6.83	6.25	5.83	5.47	5.10	4.78	4.36	4.05
225.0	6.73	6.20	5.99	5.62	5.26	4.89	4.57	4.21	3.89
270.0	7.36	6.83	6.36	5.89	5.52	5.15	4.78	4.47	4.10
315.0	6.78	6.36	5.94	5.52	5.05	4.68	4.31	3.99	3.57
360.0	5.78	5.41	5.10	4.63	4.36	3.99	3.63	3.26	2.94

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.52	2.16	1.94	1.68	1.37	1.21	1.05	0.79	0.79
45.0	2.89	2.47	2.05	1.79	1.47	1.26	1.05	0.84	0.79
90.0	2.42	2.16	1.89	1.68	1.37	1.21	0.95	0.63	0.68
135.0	3.68	3.26	2.84	2.47	2.21	2.05	1.94	1.68	1.16
180.0	3.73	3.36	2.94	2.52	2.26	1.89	1.58	1.37	1.16
225.0	3.57	3.10	2.79	2.42	2.10	1.84	1.47	1.26	1.05
270.0	3.78	3.36	3.05	2.63	2.26	1.94	1.68	1.31	1.16
315.0	3.21	2.89	2.42	2.26	1.89	1.58	1.31	1.16	0.95
360.0	2.52	2.16	1.94	1.68	1.37	1.21	1.05	0.79	0.79

Intensity data(cd)

C/γ(°)	90.0
0.0	0.79
45.0	0.68
90.0	0.79
135.0	0.84
180.0	1.00
225.0	1.00
270.0	0.95
315.0	0.95
360.0	0.79