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Nata

Client:
LumCAT: 2-2561-L
Luminaire: 92.70.412.00
Report No: 2024815-B003
Ballast type: AC

Test No: 2024815-C003	Voltage(V): 35.150
LampCAT: BRIDGELUX V13B LES13	Current(A): 0.450
Lamp flux(lm): 2544.0	Power (W): 15.810
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2355.42, Efficiency(%): 92.59% , Luminous Efficacy(lm/W): 148.98
Central intensity(cd): 9218.267, Maximum intensity(cd): 9218.267
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=22.2
[C90/270]Total=22.2
Field angle(10%Imax): [C0/180]Total=55.8
[C90/270]Total=55.8
Maximum s/h(1/2): C0_180=0.38 C90_270=0.38
Maximum s/h(1/4): C0_180=0.41 C90_270=0.41
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.59%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.153%

Nata 2-2561-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9218.267	0.000	0	0.00%	0.00%
1.0	9174.752	8.801	8.801	0.35%	0.37%
2.0	9039.837	26.143	34.944	1.03%	1.48%
3.0	8812.524	42.697	77.641	1.68%	3.30%
4.0	8486.722	57.906	135.547	2.28%	5.75%
5.0	8066.964	71.213	206.76	2.80%	8.78%
6.0	7559.526	82.121	288.882	3.23%	12.26%
7.0	6966.286	90.161	379.043	3.54%	16.09%
8.0	6407.671	95.715	474.758	3.76%	20.16%
9.0	5811.021	99.026	573.784	3.89%	24.36%
10.0	5236.999	99.981	673.764	3.93%	28.60%
11.0	4679.685	99.088	772.852	3.89%	32.81%
12.0	4192.109	96.981	869.834	3.81%	36.93%
13.0	3745.807	94.203	964.037	3.70%	40.93%
14.0	3345.774	90.772	1054.808	3.57%	44.78%
15.0	2988.224	86.956	1141.764	3.42%	48.47%
16.0	2654.479	82.681	1224.446	3.25%	51.98%
17.0	2408.079	78.838	1303.283	3.10%	55.33%
18.0	2169.609	75.476	1378.759	2.97%	58.54%
19.0	1961.166	71.867	1450.627	2.82%	61.59%
20.0	1782.099	68.512	1519.139	2.69%	64.50%
21.0	1631.520	65.548	1584.687	2.58%	67.28%
22.0	1500.732	62.944	1647.631	2.47%	69.95%
23.0	1355.265	59.927	1707.557	2.36%	72.49%
24.0	1270.620	57.411	1764.969	2.26%	74.93%
25.0	1149.562	55.030	1819.998	2.16%	77.27%
26.0	1083.504	52.712	1872.71	2.07%	79.51%
27.0	1012.426	51.277	1923.988	2.02%	81.68%
28.0	912.459	48.734	1972.722	1.92%	83.75%
29.0	834.502	45.705	2018.427	1.80%	85.69%
30.0	738.786	42.478	2060.905	1.67%	87.50%
31.0	649.153	38.624	2099.53	1.52%	89.14%
32.0	572.044	34.986	2134.516	1.38%	90.62%
33.0	486.177	31.176	2165.691	1.23%	91.95%
34.0	412.629	27.201	2192.892	1.07%	93.10%
35.0	343.273	23.475	2216.367	0.92%	94.10%
36.0	287.813	20.094	2236.461	0.79%	94.95%
37.0	229.803	16.882	2253.343	0.66%	95.67%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	183.239	13.787	2267.13	0.54%	96.25%
39.0	146.314	11.249	2278.378	0.44%	96.73%
40.0	100.657	8.613	2286.992	0.34%	97.09%
41.0	77.549	6.346	2293.338	0.25%	97.36%
42.0	60.000	4.997	2298.335	0.20%	97.58%
43.0	48.785	4.030	2302.365	0.16%	97.75%
44.0	40.151	3.357	2305.721	0.13%	97.89%
45.0	33.561	2.833	2308.554	0.11%	98.01%
46.0	29.639	2.472	2311.026	0.10%	98.12%
47.0	26.518	2.233	2313.259	0.09%	98.21%
48.0	24.159	2.049	2315.308	0.08%	98.30%
49.0	22.214	1.904	2317.212	0.07%	98.38%
50.0	20.867	1.796	2319.008	0.07%	98.45%
51.0	19.783	1.720	2320.728	0.07%	98.53%
52.0	18.936	1.661	2322.39	0.07%	98.60%
53.0	18.410	1.625	2324.014	0.06%	98.67%
54.0	18.009	1.605	2325.619	0.06%	98.73%
55.0	17.865	1.601	2327.221	0.06%	98.80%
56.0	17.792	1.611	2328.832	0.06%	98.87%
57.0	17.819	1.628	2330.46	0.06%	98.94%
58.0	17.924	1.653	2332.113	0.06%	99.01%
59.0	17.950	1.677	2333.79	0.07%	99.08%
60.0	17.694	1.684	2335.474	0.07%	99.15%
61.0	17.129	1.662	2337.136	0.07%	99.22%
62.0	16.143	1.603	2338.739	0.06%	99.29%
63.0	14.947	1.512	2340.251	0.06%	99.36%
64.0	13.417	1.392	2341.643	0.05%	99.42%
65.0	12.070	1.261	2342.905	0.05%	99.47%
66.0	10.690	1.136	2344.04	0.04%	99.52%
67.0	9.586	1.020	2345.06	0.04%	99.56%
68.0	8.798	0.931	2345.991	0.04%	99.60%
69.0	8.035	0.859	2346.85	0.03%	99.64%
70.0	7.424	0.794	2347.644	0.03%	99.67%
71.0	6.932	0.742	2348.386	0.03%	99.70%
72.0	6.406	0.694	2349.079	0.03%	99.73%
73.0	5.959	0.647	2349.726	0.03%	99.76%
74.0	5.539	0.604	2350.33	0.02%	99.78%
75.0	5.138	0.564	2350.894	0.02%	99.81%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.724	0.524	2351.418	0.02%	99.83%
77.0	4.363	0.484	2351.902	0.02%	99.85%
78.0	3.982	0.447	2352.349	0.02%	99.87%
79.0	3.660	0.411	2352.76	0.02%	99.89%
80.0	3.384	0.380	2353.139	0.01%	99.90%
81.0	3.101	0.351	2353.49	0.01%	99.92%
82.0	2.825	0.321	2353.811	0.01%	99.93%
83.0	2.549	0.292	2354.104	0.01%	99.94%
84.0	2.267	0.262	2354.366	0.01%	99.96%
85.0	2.017	0.234	2354.6	0.01%	99.97%
86.0	1.787	0.208	2354.808	0.01%	99.97%
87.0	1.597	0.185	2354.993	0.01%	99.98%
88.0	1.360	0.162	2355.155	0.01%	99.99%
89.0	1.202	0.140	2355.295	0.01%	99.99%
90.0	1.058	0.124	2355.419	0.00%	100.00%

Zonal flux distribution table

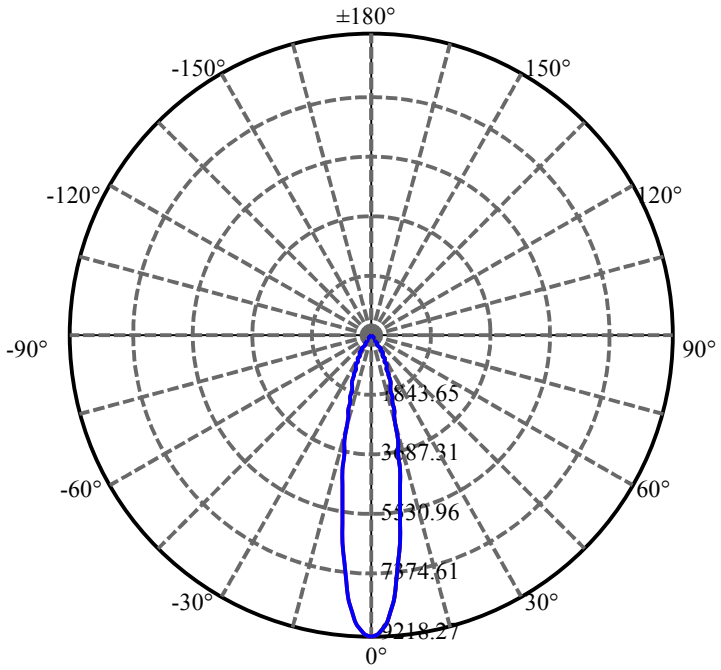
ZONAL LUMEN SUMMARY

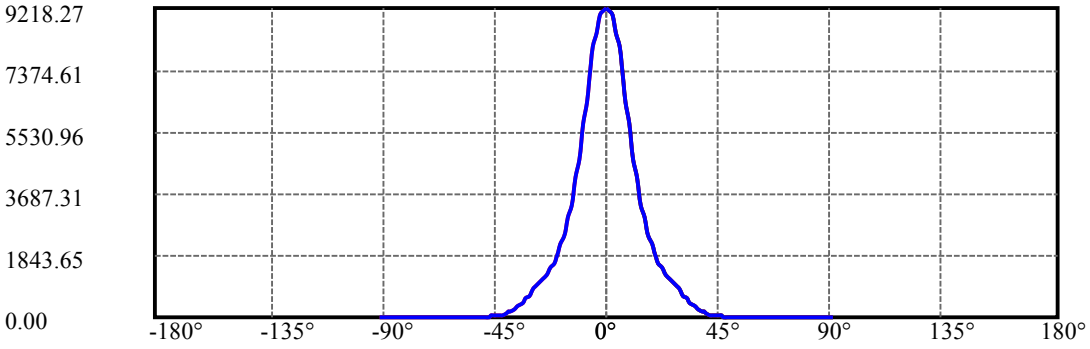
Zone	Lumens	%Lamp	%Fixt
0-30	2060.91	81.01%	87.50%
0-40	2286.99	89.90%	97.09%
0-60	2335.47	91.80%	99.15%
0-90	2355.30	92.58%	99.99%
0-120	2355.30	92.58%	99.99%
0-180	2355.42	92.59%	100.00%
60-90	19.82	0.78%	0.84%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.23	1884.34	74.07%	80.00%

ZONAL LUMEN SUMMARY

0-10	673.76
10-20	845.37
20-30	541.77
30-40	226.09
40-50	32.02
50-60	16.47
60-70	12.17
70-80	5.50
80-90	2.16
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):

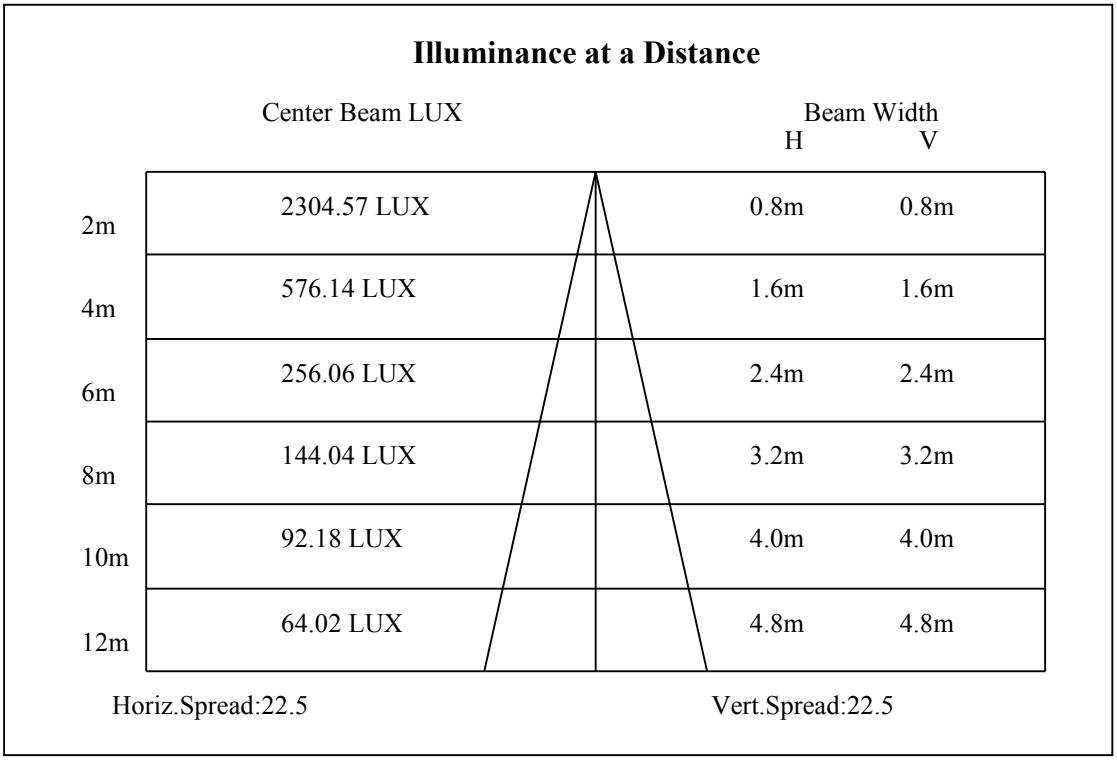
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:27.9 Right:27.9
:C90/270Left:27.9 Right:27.9

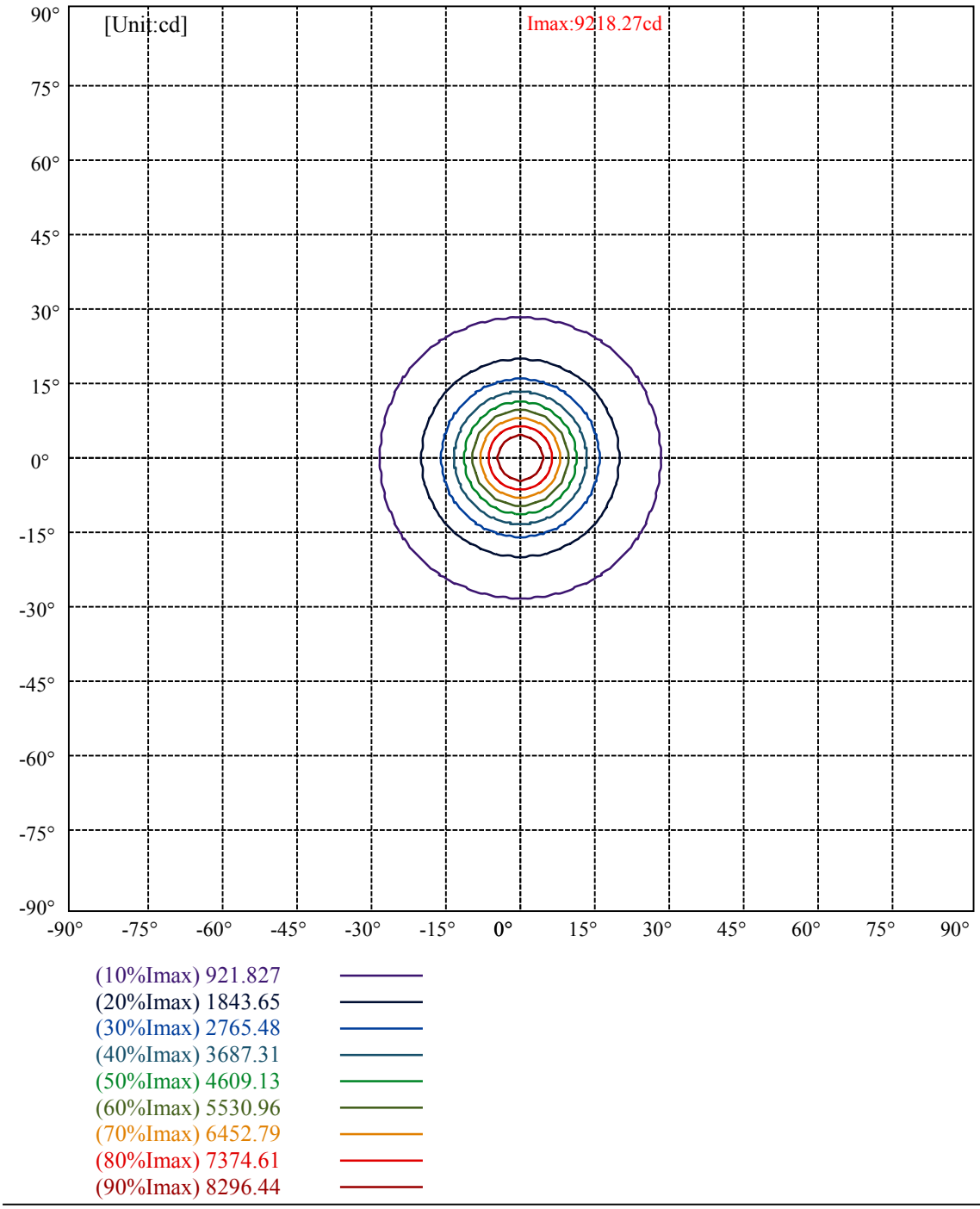
Beam Angle(50%Imax):C0/180Left:11.1 Right:11.1
:C90/270Left:11.1 Right:11.1

Lux distance Curve



Equipment: GMS 1800 Date: 2024/8/15 Operator: NT
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.25

ISO-Intensity(V-H)

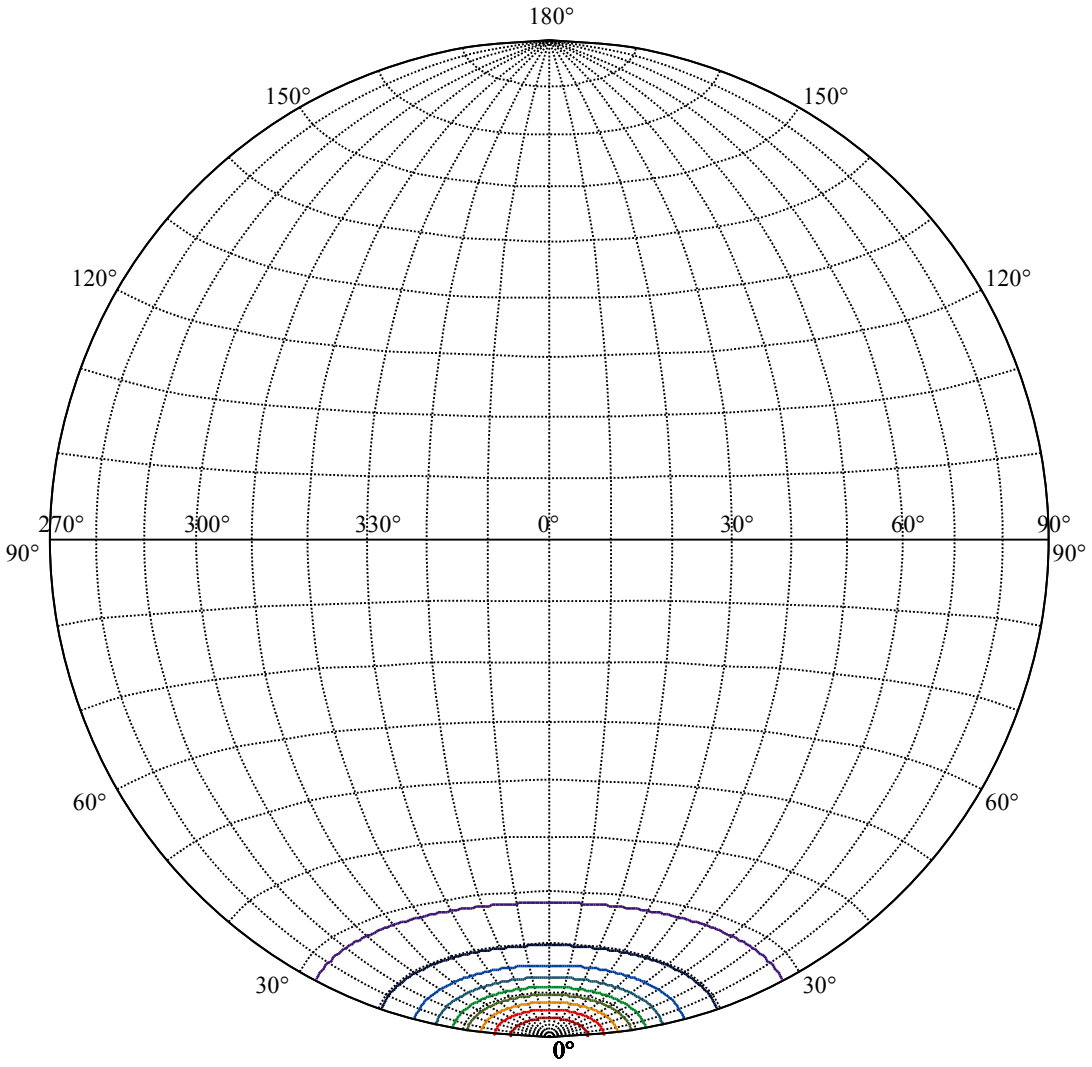


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/15
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO candela diagram on circular web

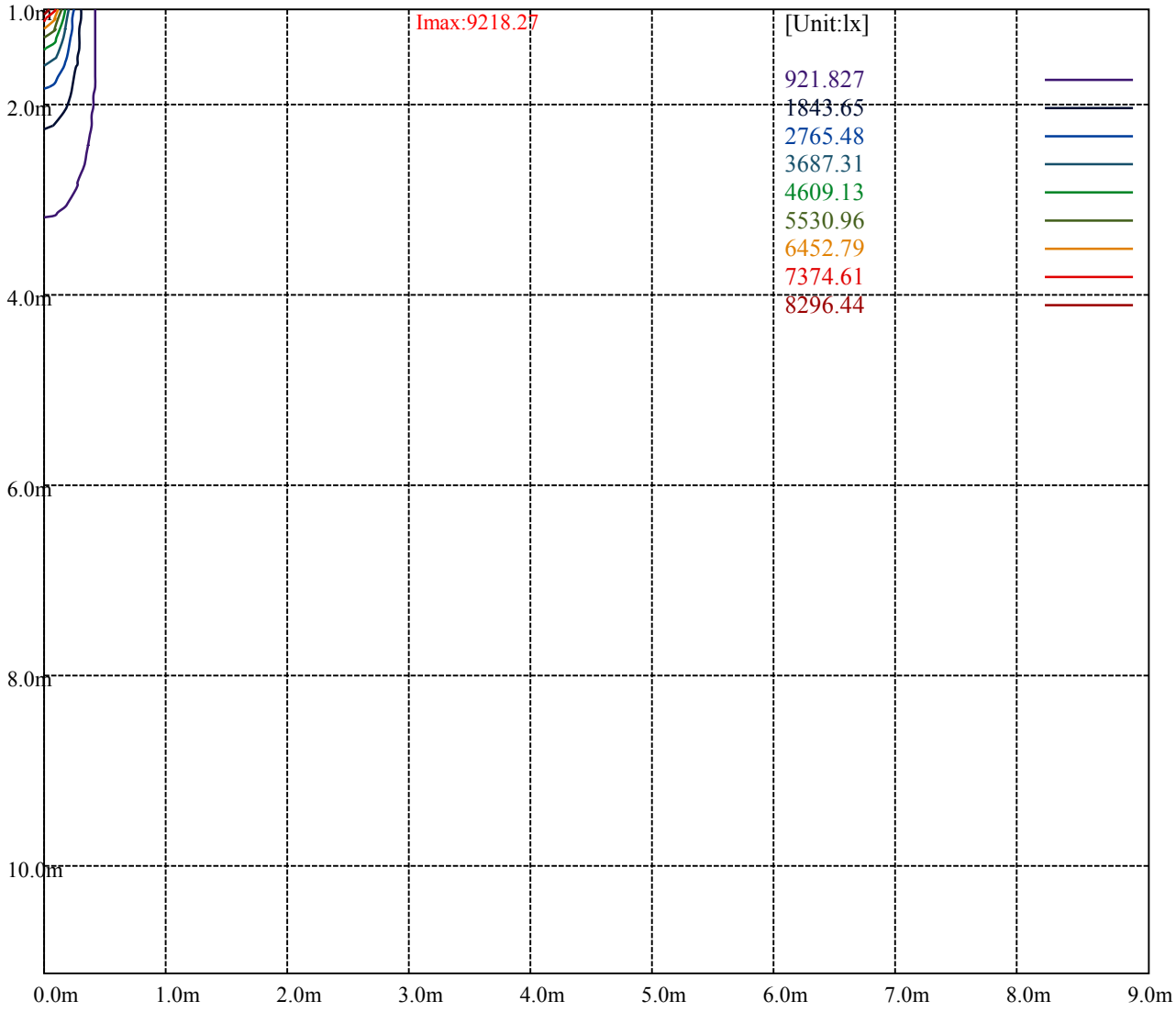


House [Unit:cd] Road

Imax:9218.27

(10%Imax) 921.827
(20%Imax) 1843.65
(30%Imax) 2765.48
(40%Imax) 3687.31
(50%Imax) 4609.13
(60%Imax) 5530.96
(70%Imax) 6452.79
(80%Imax) 7374.61
(90%Imax) 8296.44

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/15
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Nata 2-2561-L

Luminance Limitting Curve(no luminous side)

Luminance Table

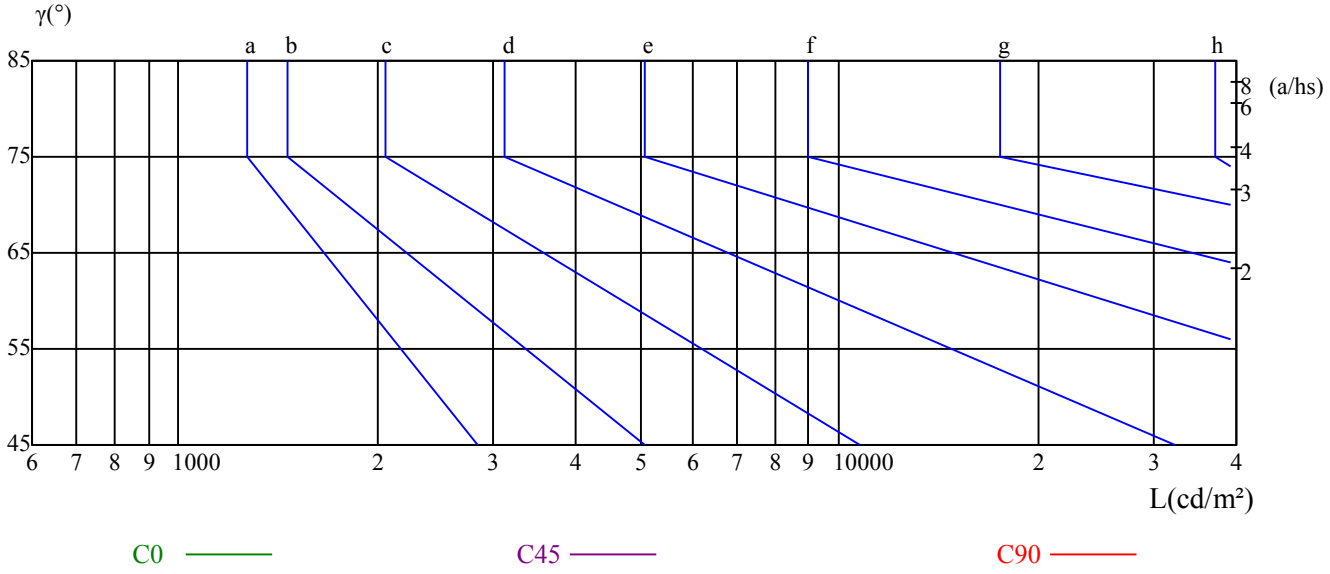
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

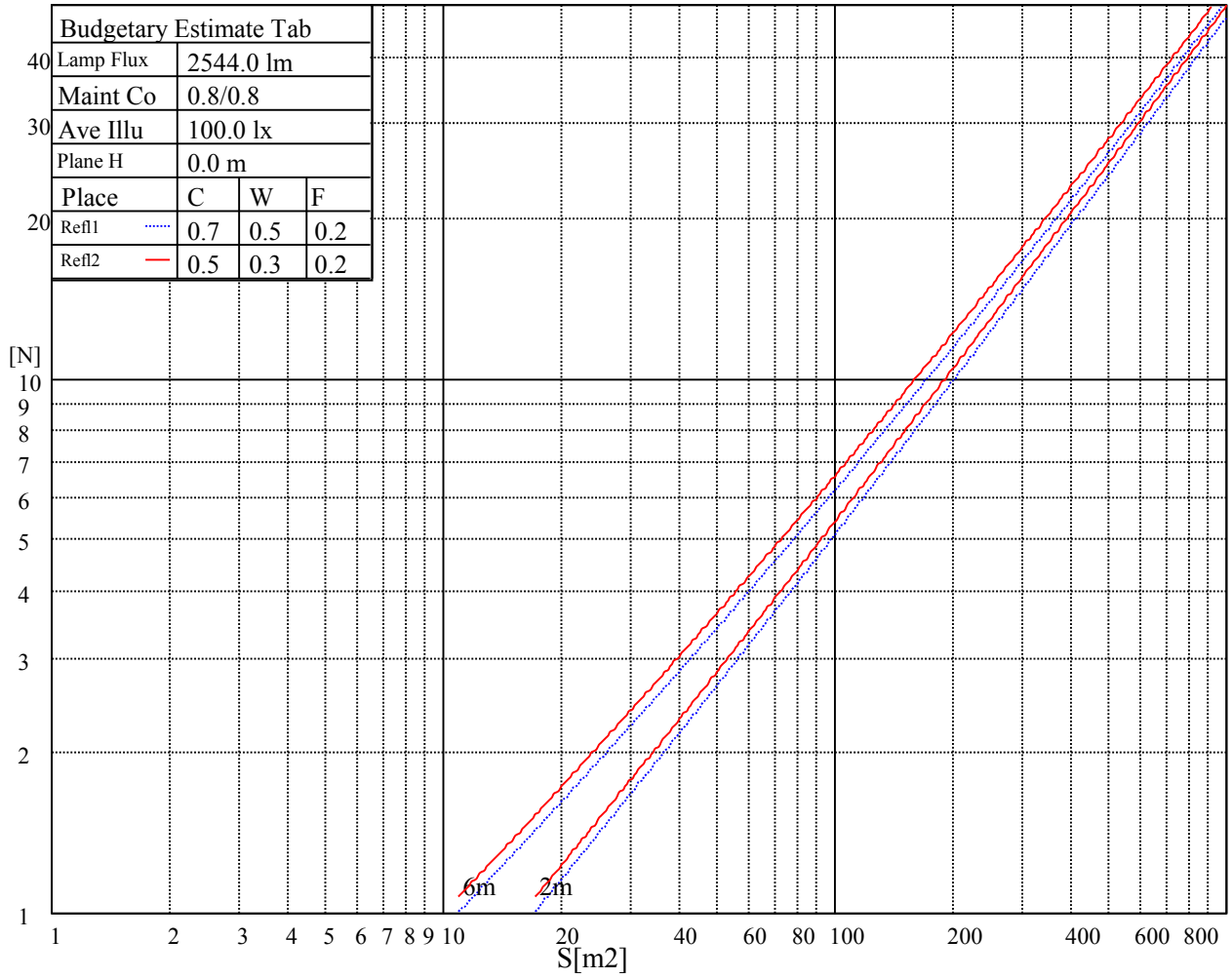
Date: 2024/8/15
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

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

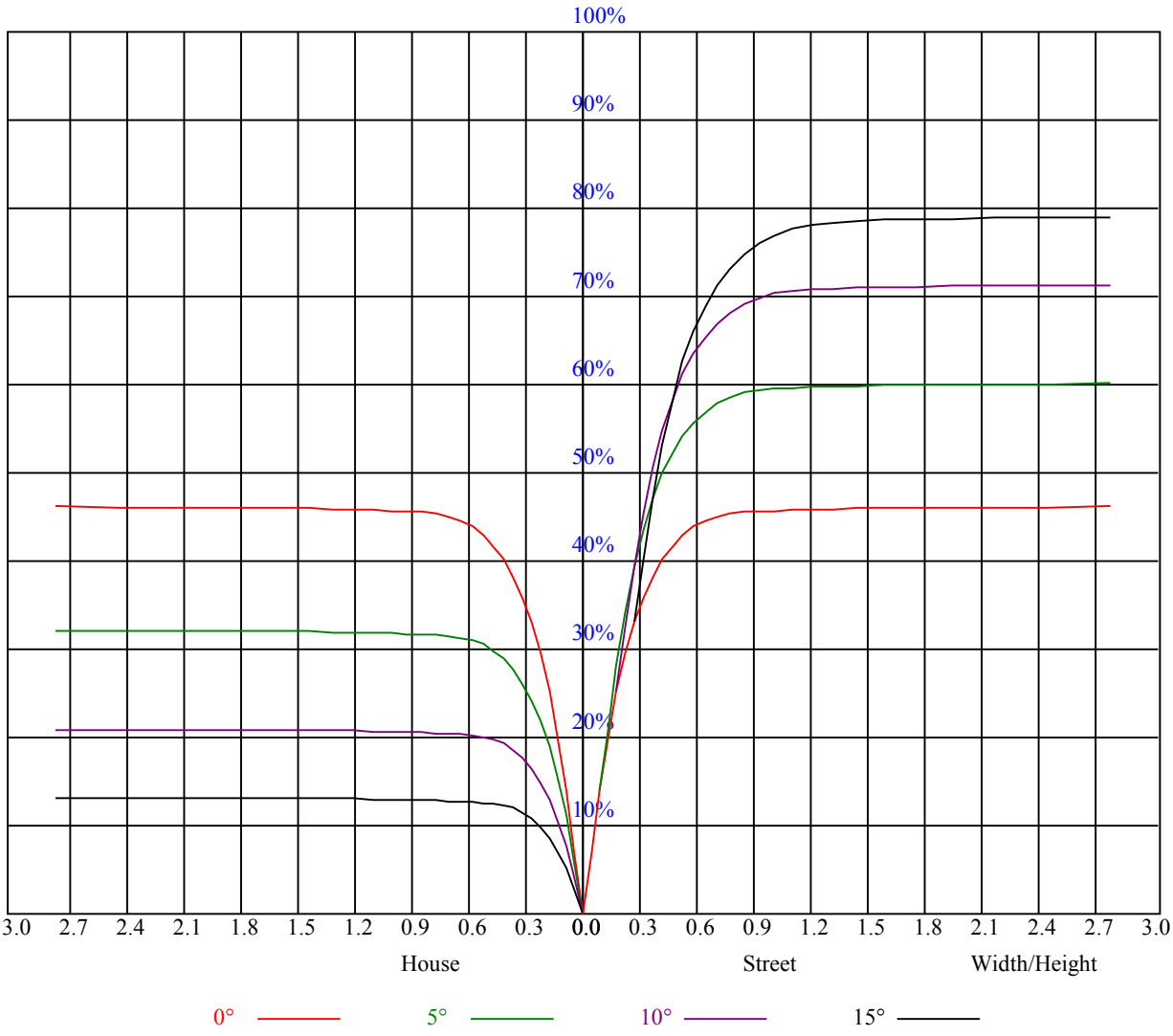
Date: 2024/8/15
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

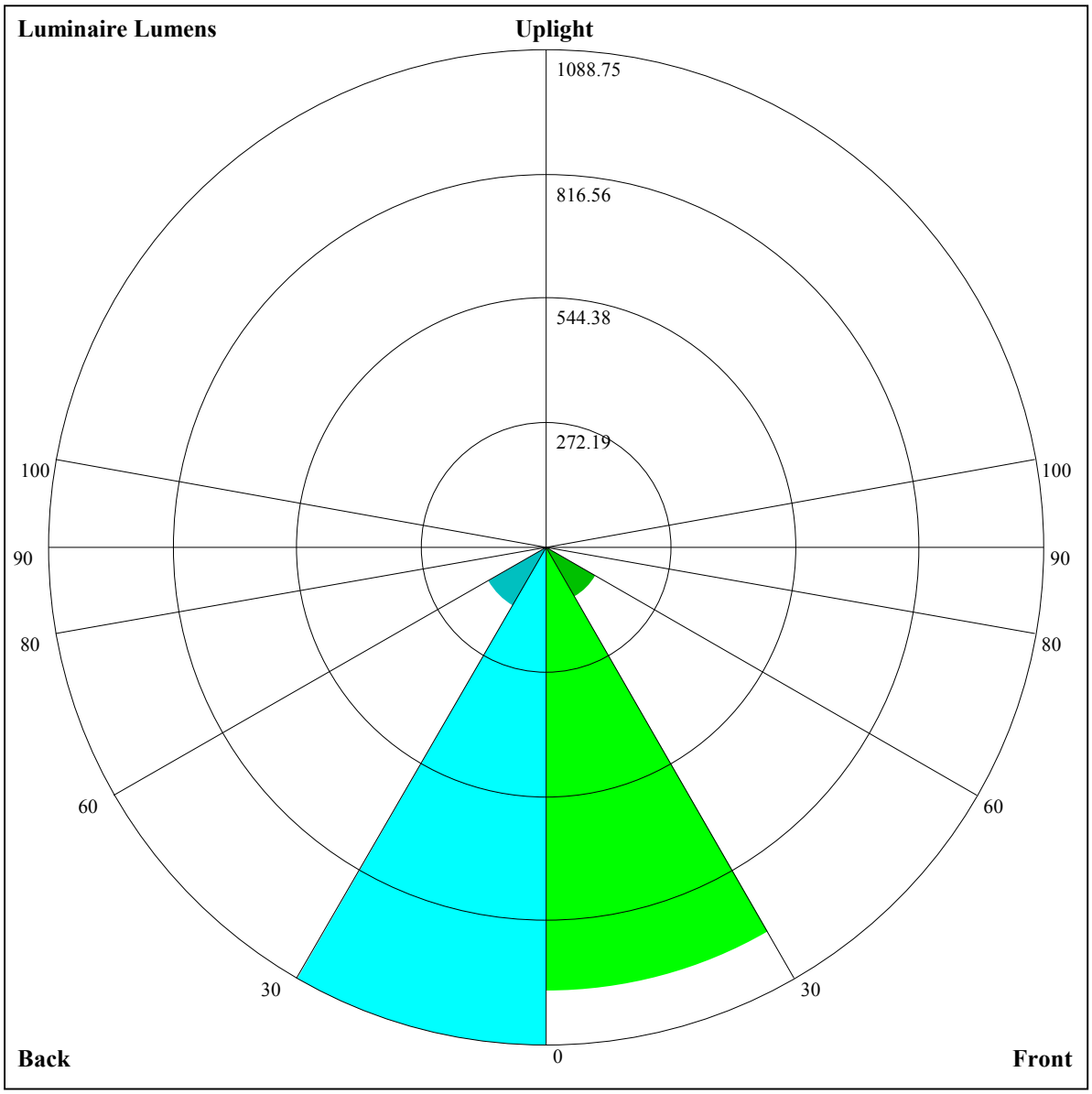
Utilization factor table for indoor luminaire

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	1.10	1.10	1.10	1.08	1.08	1.08	1.03	1.03	1.03	0.98	0.98	0.98	0.94	0.94	0.94	0.93
1	1.04	1.02	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.88
2	0.98	0.95	0.92	0.97	0.94	0.91	0.94	0.91	0.89	0.91	0.89	0.88	0.88	0.87	0.86	0.84
3	0.93	0.89	0.86	0.92	0.88	0.86	0.90	0.87	0.84	0.87	0.85	0.83	0.85	0.84	0.82	0.81
4	0.89	0.85	0.81	0.88	0.84	0.81	0.86	0.83	0.80	0.84	0.81	0.79	0.83	0.80	0.78	0.77
5	0.85	0.80	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.78	0.76	0.80	0.77	0.75	0.74
6	0.81	0.77	0.74	0.81	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.71
7	0.78	0.74	0.70	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.70	0.74	0.71	0.69	0.68
8	0.75	0.71	0.68	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.66
9	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.70	0.67	0.64	0.63
10	0.70	0.66	0.63	0.69	0.65	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.68	0.64	0.62	0.61

Coefficient Utilization Curve



Equipment: GMS 1800	Date: 2024/8/15	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.25



Luminaire Lumens:
FL=973.2,FM=126.8,FH=8.35,FVH=1.06
BL=1088.75,BM=149.98,BH=9.28,BVH=1.21
UL=0,UH=0

BUG Rating:B3-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	9147.24	8937.20	8606.79	8178.88	7641.22	7032.23	6402.64	5800.90	5209.78
45.0	9284.27	9182.35	8982.30	8674.76	8260.25	7742.61	7267.34	6509.60	6005.37
90.0	9186.77	9065.35	8826.87	8445.80	7959.38	7369.89	6733.62	6082.85	5444.32
135.0	9254.78	9261.46	9207.95	9116.60	8904.30	8529.32	7978.30	7334.20	6675.12
180.0	9147.24	9253.10	9270.34	9234.13	9148.35	8913.23	8710.97	8066.35	7718.12
225.0	9284.27	9283.17	9220.78	9062.56	8778.94	8409.00	7958.80	7394.97	6824.98
270.0	9186.77	9261.46	9246.43	9140.57	8942.77	8782.30	8230.71	7939.30	7399.43
315.0	9254.78	9153.92	8957.23	8646.90	8258.57	7757.12	7193.81	6602.11	5984.24
360.0	9147.24	8937.20	8606.79	8178.88	7641.22	7032.23	6402.64	5800.90	5209.78

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4648.15	4157.85	3709.86	3297.56	2935.41	2678.59	2337.61	2107.49	1948.70
45.0	5386.97	4824.76	4310.49	3844.16	3428.49	3048.52	2708.13	2415.04	2168.78
90.0	4850.41	4304.40	3815.72	3382.29	3000.64	2674.12	2499.71	2140.92	2011.67
135.0	6278.96	5365.21	4761.27	4440.90	3955.59	3514.85	3123.21	2774.41	2472.96
180.0	7125.27	6479.54	5819.30	5210.31	4643.11	4142.24	3672.54	3257.46	2899.77
225.0	6230.50	5622.61	5029.81	4505.50	4024.66	3591.23	3201.74	2845.73	2650.73
270.0	6598.22	6235.49	5623.71	5045.42	4502.71	4009.63	3573.93	3186.13	2838.48
315.0	5369.68	4906.13	4367.31	3810.73	3475.85	3107.02	2788.91	2508.65	2273.54
360.0	4648.15	4157.85	3709.86	3297.56	2935.41	2678.59	2337.61	2107.49	1948.70

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1784.34	1638.37	1516.32	1408.25	1319.11	1108.02	1090.04	1051.30	966.20
45.0	1953.70	1763.73	1603.26	1467.86	1349.17	1245.57	1147.49	1054.98	1004.84
90.0	1825.02	1666.23	1527.47	1409.36	1301.29	1080.11	1080.11	1005.68	912.17
135.0	2212.78	1982.66	1790.44	1631.12	1503.50	1393.75	1294.56	1199.84	1115.17
180.0	2591.65	2325.31	2086.89	1887.94	1715.22	1572.04	1447.78	1339.13	1237.74
225.0	2378.24	2128.68	1924.16	1754.22	1602.16	1466.76	1342.50	1100.50	1063.76
270.0	2538.19	2285.79	2064.60	1884.05	1726.36	1585.44	1471.22	1365.89	1288.99
315.0	2072.96	1898.56	1743.66	1609.36	1489.04	1390.44	1291.25	1079.16	1079.16
360.0	1784.34	1638.37	1516.32	1408.25	1319.11	1108.02	1090.04	1051.30	966.20

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	875.59	780.45	686.31	591.43	536.45	451.51	348.23	308.28	245.62
45.0	916.85	791.49	739.08	649.94	559.69	477.21	399.79	331.25	295.03
90.0	823.34	730.67	640.16	549.33	462.55	415.56	344.44	279.58	220.60
135.0	1022.71	930.78	836.06	746.33	650.51	561.37	507.33	422.08	347.39
180.0	1174.25	1055.56	1001.53	912.91	786.44	732.98	640.47	550.75	465.55
225.0	1046.36	955.95	887.47	782.39	692.93	623.29	520.58	453.82	377.14
270.0	1180.34	1093.46	1022.13	910.12	837.16	742.45	649.94	558.58	471.12
315.0	1059.98	961.32	863.29	767.83	667.49	571.99	478.63	396.69	323.73
360.0	875.59	780.45	686.31	591.43	536.45	451.51	348.23	308.28	245.62

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	191.33	146.96	111.59	85.10	65.60	52.04	42.47	35.95	31.43
45.0	295.03	169.67	131.72	101.50	79.00	65.07	50.25	41.26	35.95
90.0	171.25	131.41	99.40	74.95	57.82	45.78	37.37	31.75	27.70
135.0	295.61	295.61	165.15	126.26	96.14	73.43	57.45	46.04	38.21
180.0	387.54	319.00	293.35	225.86	143.65	107.54	79.90	60.50	51.88
225.0	311.17	252.88	201.95	157.32	121.68	93.77	72.54	57.77	46.89
270.0	392.54	321.79	308.38	282.21	152.33	114.59	86.20	73.01	51.88
315.0	258.03	201.10	154.38	117.32	89.04	68.17	53.82	43.99	37.27
360.0	191.33	146.96	111.59	85.10	65.60	52.04	42.47	35.95	31.43

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	28.33	25.86	23.97	22.39	21.29	20.34	19.50	18.87	18.66
45.0	30.96	27.28	24.60	22.44	20.81	19.66	18.87	18.50	18.08
90.0	24.55	22.29	20.66	19.34	18.24	17.50	17.14	16.66	16.45
135.0	32.69	28.65	25.49	24.02	21.29	20.39	19.19	18.19	17.40
180.0	38.00	31.75	28.91	25.23	22.39	20.39	18.87	17.71	16.87
225.0	39.26	33.53	29.38	26.49	24.39	22.86	21.71	20.81	20.55
270.0	42.00	37.79	32.48	28.65	25.91	23.76	22.13	20.76	19.87
315.0	32.69	29.96	26.65	24.70	23.39	22.02	20.87	19.97	19.40
360.0	28.33	25.86	23.97	22.39	21.29	20.34	19.50	18.87	18.66

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	18.50	18.55	18.50	18.29	18.19	17.50	16.35	14.88	13.19
45.0	18.03	18.08	18.40	18.61	18.61	18.40	17.35	16.03	14.09
90.0	16.35	16.61	16.71	17.03	17.35	17.03	16.45	15.19	13.61
135.0	16.93	16.61	16.29	16.24	16.45	16.71	17.03	17.19	17.14
180.0	16.24	15.98	15.82	15.72	15.87	16.29	16.61	16.87	16.87
225.0	19.87	19.61	19.61	19.76	19.87	20.13	20.18	19.61	18.40
270.0	19.13	18.71	18.40	18.19	18.13	18.40	18.55	18.71	18.55
315.0	19.03	18.76	18.61	18.71	18.92	19.13	19.03	18.55	17.29
360.0	18.50	18.55	18.50	18.29	18.19	17.50	16.35	14.88	13.19

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	11.56	10.25	9.20	8.41	7.78	7.15	6.68	6.20	5.78
45.0	13.04	10.72	9.93	8.94	8.09	7.52	6.94	6.52	6.04
90.0	11.93	10.41	9.20	8.25	7.52	6.99	6.47	5.94	5.57
135.0	16.24	15.03	13.40	11.93	10.57	9.46	8.99	8.04	7.67
180.0	16.40	15.45	14.56	12.35	10.83	10.09	8.94	8.04	7.41
225.0	16.87	15.03	13.19	11.56	10.25	9.36	8.57	7.94	7.46
270.0	17.87	16.56	14.77	13.09	11.77	10.41	9.20	8.62	7.99
315.0	15.66	13.88	12.30	10.99	9.88	9.41	8.52	8.09	7.52
360.0	11.56	10.25	9.20	8.41	7.78	7.15	6.68	6.20	5.78

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.26	4.89	4.63	4.10	3.73	3.63	3.21	3.00	2.84
45.0	5.68	5.20	4.84	4.57	4.15	3.84	3.57	3.26	2.94
90.0	5.15	4.84	4.52	4.10	3.78	3.57	3.26	2.94	2.68
135.0	7.25	6.73	6.20	5.83	5.47	5.05	4.73	4.36	4.05
180.0	6.83	6.36	5.94	5.47	5.10	4.73	4.36	3.99	3.68
225.0	6.89	6.36	6.04	5.68	5.20	4.68	4.15	3.84	3.57
270.0	7.41	6.83	6.25	5.89	5.41	4.89	4.36	3.94	3.68
315.0	6.78	6.47	5.89	5.47	4.94	4.52	4.21	3.94	3.63
360.0	5.26	4.89	4.63	4.10	3.73	3.63	3.21	3.00	2.84

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.52	2.26	2.05	1.84	1.58	1.42	1.26	1.05	0.89
45.0	2.63	2.31	2.05	1.84	1.52	1.37	1.16	1.00	0.84
90.0	2.42	2.21	2.00	1.79	1.58	1.42	1.26	1.10	1.00
135.0	3.73	3.36	3.05	2.73	2.42	2.16	1.89	1.68	1.42
180.0	3.42	3.21	2.84	2.52	2.31	2.00	1.89	1.58	1.42
225.0	3.31	3.00	2.73	2.42	2.16	1.94	1.68	1.42	1.26
270.0	3.42	3.10	2.84	2.47	2.26	2.00	1.84	1.47	1.31
315.0	3.36	3.15	2.84	2.52	2.31	2.00	1.79	1.58	1.47
360.0	2.52	2.26	2.05	1.84	1.58	1.42	1.26	1.05	0.89

Intensity data(cd)

C/γ(°)	90.0
0.0	0.95
45.0	0.84
90.0	1.00
135.0	1.00
180.0	1.26
225.0	1.10
270.0	1.21
315.0	1.10
360.0	0.95