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Nata

Client:
LumCAT: 2-2518-L
Luminaire: 92.70.411.00
Report No: 2024829-B020
Ballast type: AC

Test No: 2024829-C020	Voltage(V): 35.060
LampCAT: Fortimo_SLM_C_1208	Current(A): 0.598
Lamp flux(lm): 3408.0	Power (W): 20.960
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3155.68, Efficiency(%): 92.60% , Luminous Efficacy(lm/W): 150.56
Central intensity(cd): 15435.370, Maximum intensity(cd): 15435.370
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=48.6
[C90/270]Total=48.6
Maximum s/h(1/2): C0_180=0.34 C90_270=0.34
Maximum s/h(1/4): C0_180=0.36 C90_270=0.36
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.60%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.216%

Equipment: GMS 1800	Date: 2024/8/29	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.25

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	15435.372	0.000	0	0.00%	0.00%
1.0	15321.850	14.717	14.717	0.43%	0.47%
2.0	15003.571	43.526	58.243	1.28%	1.85%
3.0	14267.243	70.006	128.249	2.05%	4.06%
4.0	13551.677	93.119	221.368	2.73%	7.01%
5.0	12854.245	113.597	334.965	3.33%	10.61%
6.0	11729.861	129.196	464.161	3.79%	14.71%
7.0	10583.532	138.499	602.659	4.06%	19.10%
8.0	9716.165	145.281	747.94	4.26%	23.70%
9.0	8663.266	148.955	896.896	4.37%	28.42%
10.0	7574.637	146.947	1043.843	4.31%	33.08%
11.0	6600.161	141.635	1185.478	4.16%	37.57%
12.0	5775.009	135.278	1320.757	3.97%	41.85%
13.0	5023.536	128.152	1448.908	3.76%	45.91%
14.0	4397.497	120.588	1569.496	3.54%	49.74%
15.0	3891.452	113.794	1683.291	3.34%	53.34%
16.0	3465.643	107.802	1791.093	3.16%	56.76%
17.0	3117.548	102.518	1893.611	3.01%	60.01%
18.0	2868.986	98.705	1992.316	2.90%	63.13%
19.0	2597.192	95.100	2087.416	2.79%	66.15%
20.0	2331.738	90.213	2177.629	2.65%	69.01%
21.0	2194.819	86.919	2264.548	2.55%	71.76%
22.0	1993.295	84.162	2348.71	2.47%	74.43%
23.0	1773.616	79.040	2427.75	2.32%	76.93%
24.0	1577.907	73.276	2501.026	2.15%	79.25%
25.0	1445.626	68.749	2569.775	2.02%	81.43%
26.0	1302.597	64.872	2634.647	1.90%	83.49%
27.0	1130.495	59.526	2694.173	1.75%	85.38%
28.0	1021.624	54.487	2748.66	1.60%	87.10%
29.0	913.990	50.641	2799.301	1.49%	88.71%
30.0	789.870	46.004	2845.305	1.35%	90.16%
31.0	674.935	40.763	2886.069	1.20%	91.46%
32.0	574.055	35.782	2921.851	1.05%	92.59%
33.0	479.679	31.043	2952.894	0.91%	93.57%
34.0	397.136	26.535	2979.429	0.78%	94.41%
35.0	331.328	22.623	3002.053	0.66%	95.13%
36.0	267.642	19.071	3021.124	0.56%	95.74%
37.0	213.213	15.683	3036.807	0.46%	96.23%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	179.442	13.106	3049.913	0.38%	96.65%
39.0	149.935	11.243	3061.156	0.33%	97.00%
40.0	107.990	8.995	3070.151	0.26%	97.29%
41.0	87.681	6.968	3077.119	0.20%	97.51%
42.0	72.595	5.823	3082.942	0.17%	97.69%
43.0	61.143	4.954	3087.896	0.15%	97.85%
44.0	52.589	4.293	3092.188	0.13%	97.99%
45.0	46.584	3.811	3096	0.11%	98.11%
46.0	41.767	3.455	3099.455	0.10%	98.22%
47.0	37.845	3.166	3102.621	0.09%	98.32%
48.0	34.639	2.930	3105.552	0.09%	98.41%
49.0	31.846	2.730	3108.282	0.08%	98.50%
50.0	29.448	2.556	3110.837	0.07%	98.58%
51.0	27.411	2.406	3113.243	0.07%	98.66%
52.0	25.664	2.277	3115.521	0.07%	98.73%
53.0	24.231	2.170	3117.691	0.06%	98.80%
54.0	23.036	2.083	3119.774	0.06%	98.86%
55.0	21.616	1.993	3121.767	0.06%	98.93%
56.0	20.742	1.914	3123.682	0.06%	98.99%
57.0	20.059	1.866	3125.547	0.05%	99.04%
58.0	19.409	1.825	3127.372	0.05%	99.10%
59.0	18.968	1.794	3129.166	0.05%	99.16%
60.0	18.522	1.771	3130.938	0.05%	99.22%
61.0	18.095	1.747	3132.685	0.05%	99.27%
62.0	17.674	1.724	3134.408	0.05%	99.33%
63.0	17.135	1.693	3136.101	0.05%	99.38%
64.0	16.419	1.647	3137.748	0.05%	99.43%
65.0	15.670	1.588	3139.336	0.05%	99.48%
66.0	14.704	1.515	3140.852	0.04%	99.53%
67.0	13.522	1.419	3142.271	0.04%	99.57%
68.0	12.438	1.315	3143.586	0.04%	99.62%
69.0	11.294	1.211	3144.797	0.04%	99.65%
70.0	10.256	1.107	3145.903	0.03%	99.69%
71.0	9.304	1.011	3146.914	0.03%	99.72%
72.0	8.463	0.924	3147.838	0.03%	99.75%
73.0	7.707	0.846	3148.684	0.02%	99.78%
74.0	7.024	0.774	3149.458	0.02%	99.80%
75.0	6.459	0.712	3150.17	0.02%	99.83%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.933	0.658	3150.828	0.02%	99.85%
77.0	5.473	0.608	3151.436	0.02%	99.87%
78.0	5.066	0.564	3152	0.02%	99.88%
79.0	4.599	0.519	3152.52	0.02%	99.90%
80.0	4.205	0.475	3152.994	0.01%	99.91%
81.0	3.830	0.435	3153.429	0.01%	99.93%
82.0	3.410	0.393	3153.822	0.01%	99.94%
83.0	2.983	0.348	3154.169	0.01%	99.95%
84.0	2.668	0.308	3154.477	0.01%	99.96%
85.0	2.352	0.274	3154.751	0.01%	99.97%
86.0	2.043	0.240	3154.991	0.01%	99.98%
87.0	1.774	0.209	3155.2	0.01%	99.98%
88.0	1.544	0.182	3155.382	0.01%	99.99%
89.0	1.353	0.159	3155.541	0.00%	100.00%
90.0	1.268	0.144	3155.684	0.00%	100.00%

Zonal flux distribution table

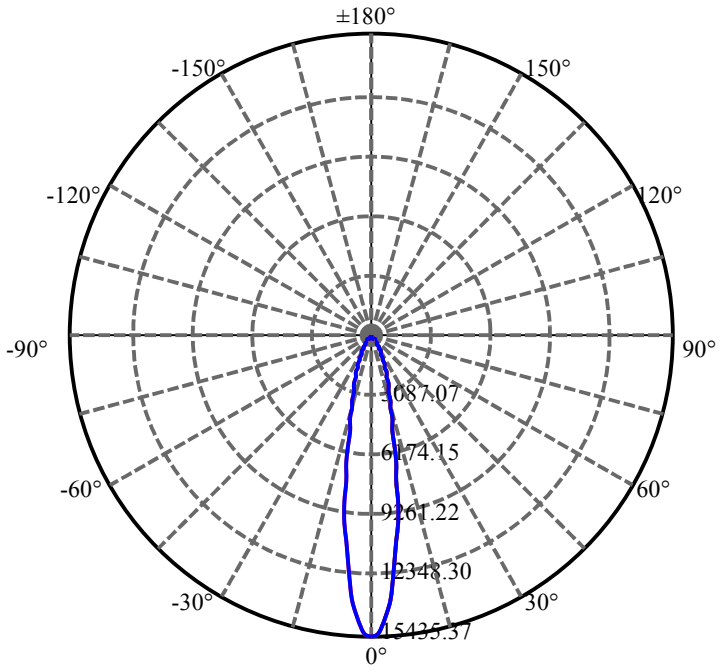
ZONAL LUMEN SUMMARY

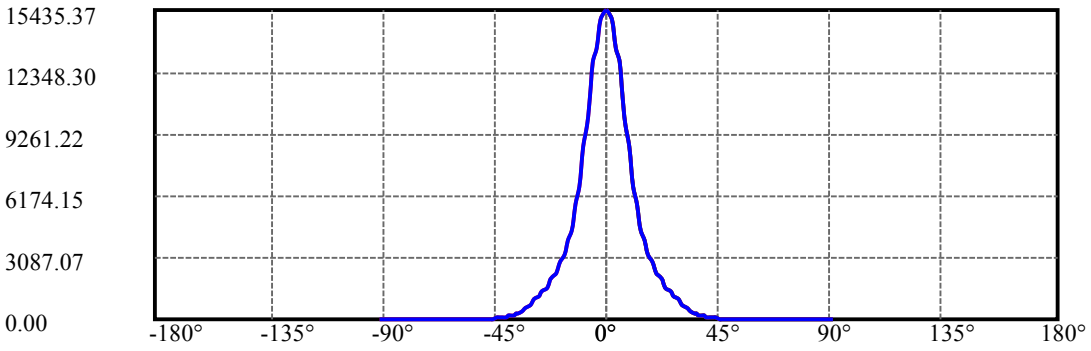
Zone	Lumens	%Lamp	%Fixt
0-30	2845.31	83.49%	90.16%
0-40	3070.15	90.09%	97.29%
0-60	3130.94	91.87%	99.22%
0-90	3155.54	92.59%	100.00%
0-120	3155.54	92.59%	100.00%
0-180	3155.68	92.60%	100.00%
60-90	24.60	0.72%	0.78%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-24.34	2524.55	74.08%	80.00%

ZONAL LUMEN SUMMARY

0-10	1043.84
10-20	1133.79
20-30	667.68
30-40	224.85
40-50	40.69
50-60	20.10
60-70	14.97
70-80	7.09
80-90	2.55
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):

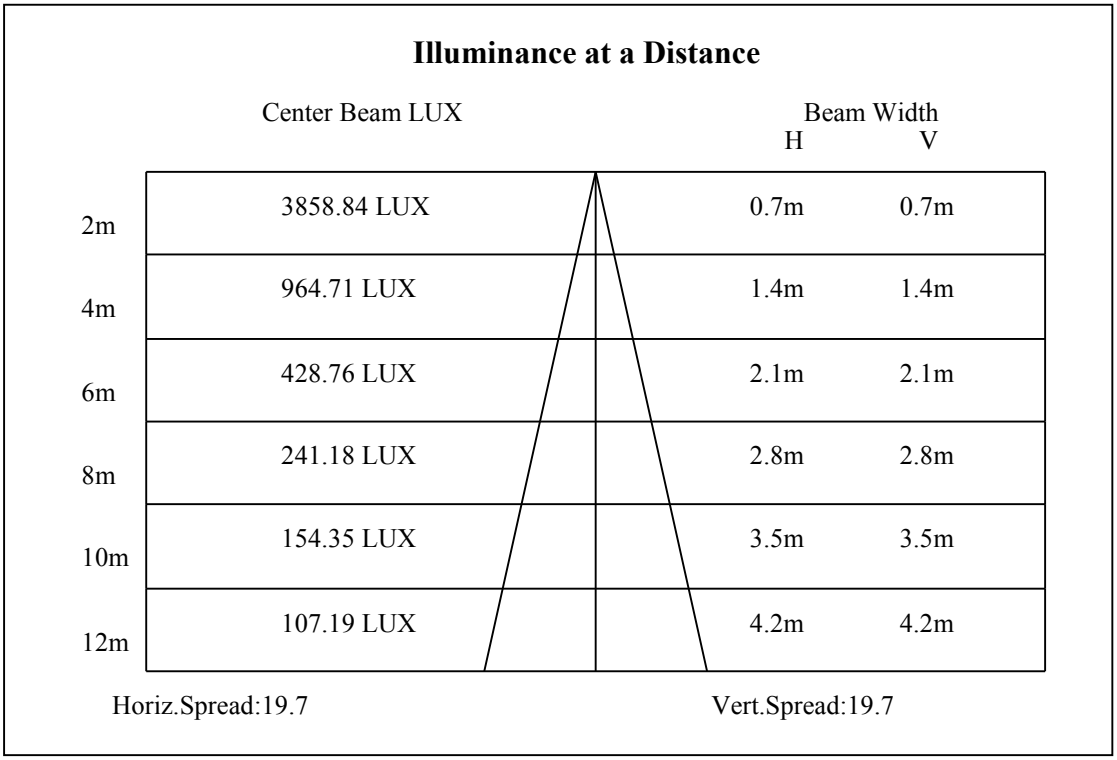
C0/C180:

C90/C270:

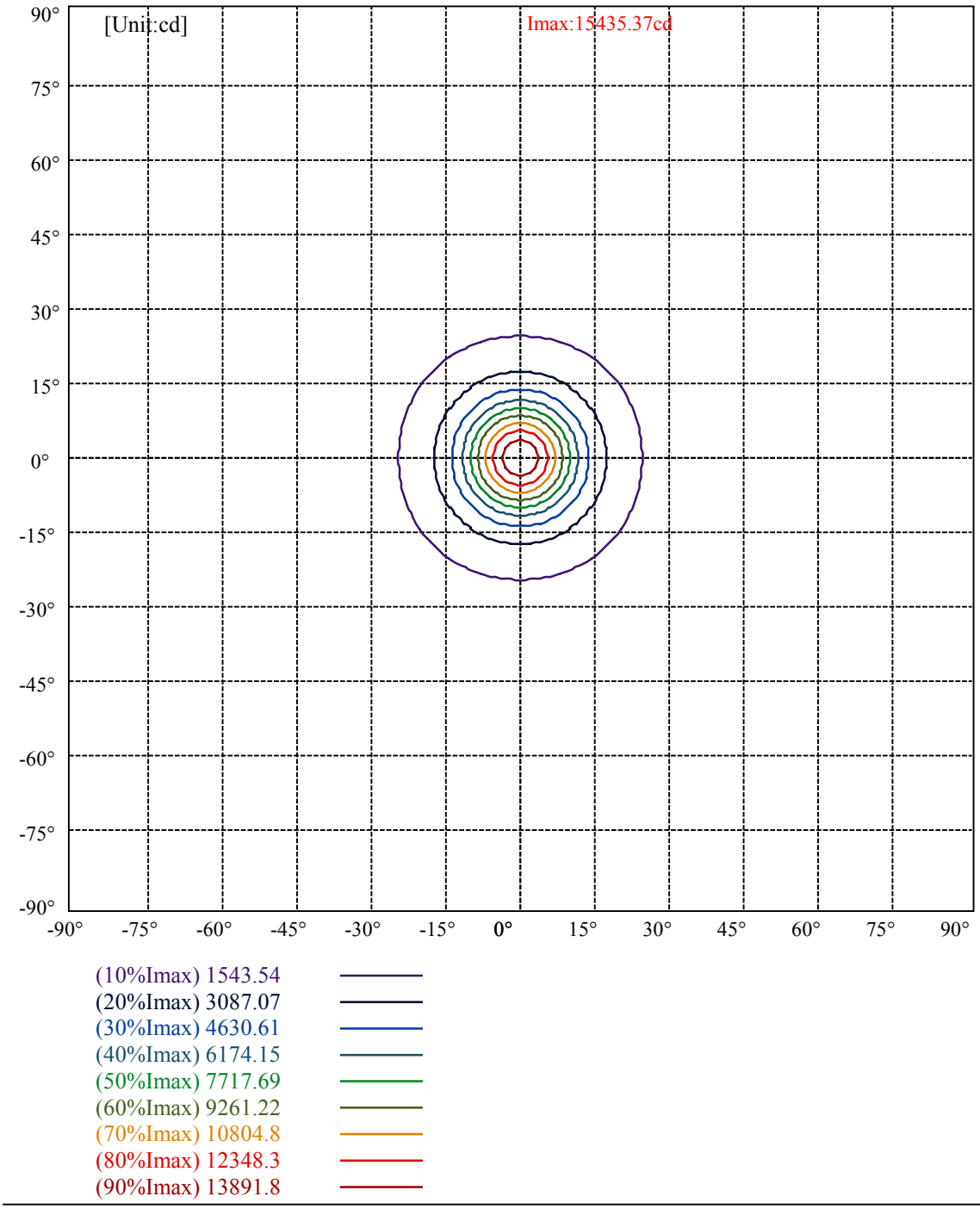
Field angle(10%Imax):C0/180Left:24.3 Right:24.3
:C90/270Left:24.3 Right:24.3

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)



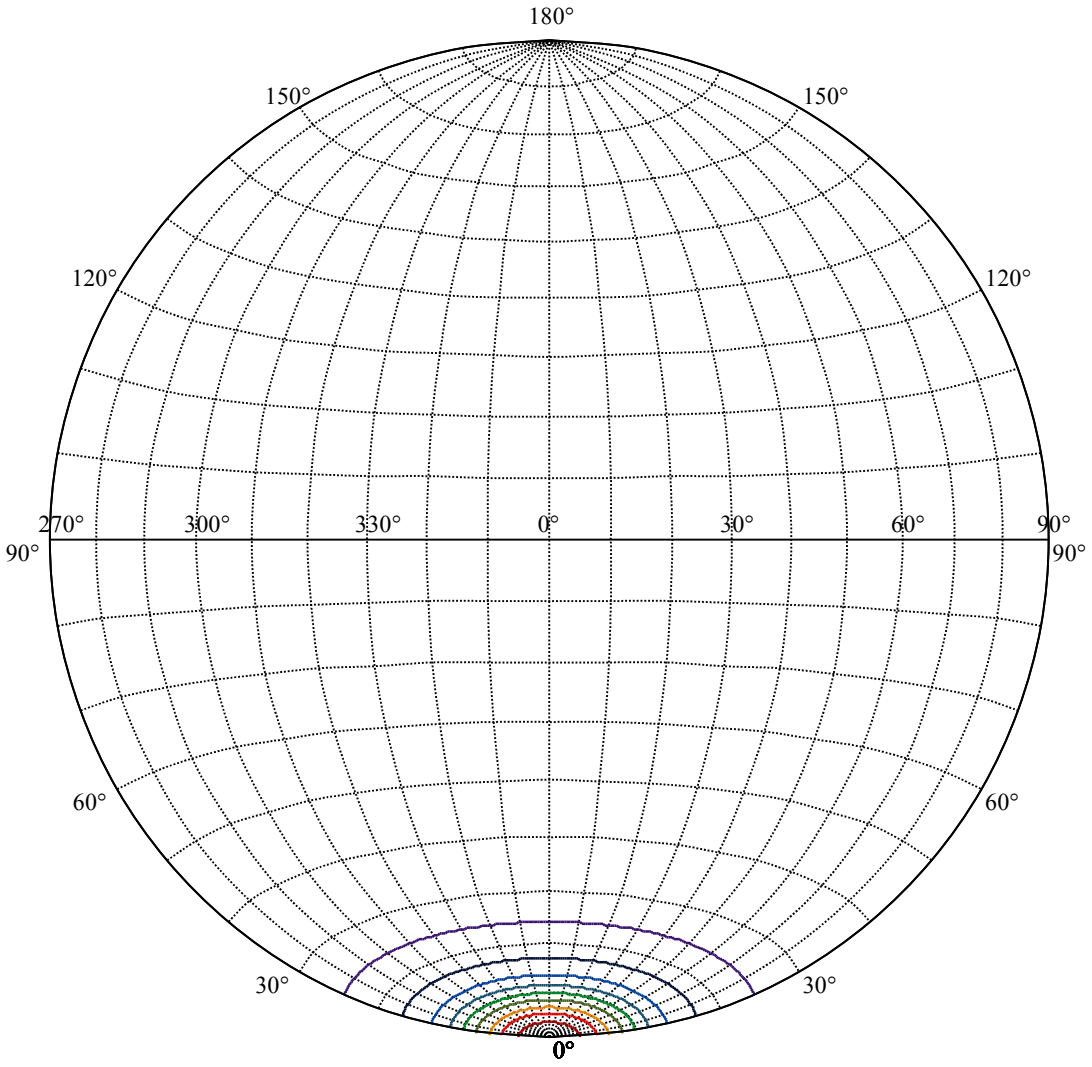
(10%Imax) 1543.54
(20%Imax) 3087.07
(30%Imax) 4630.61
(40%Imax) 6174.15
(50%Imax) 7717.69
(60%Imax) 9261.22
(70%Imax) 10804.8
(80%Imax) 12348.3
(90%Imax) 13891.8

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/29
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO candela diagram on circular web

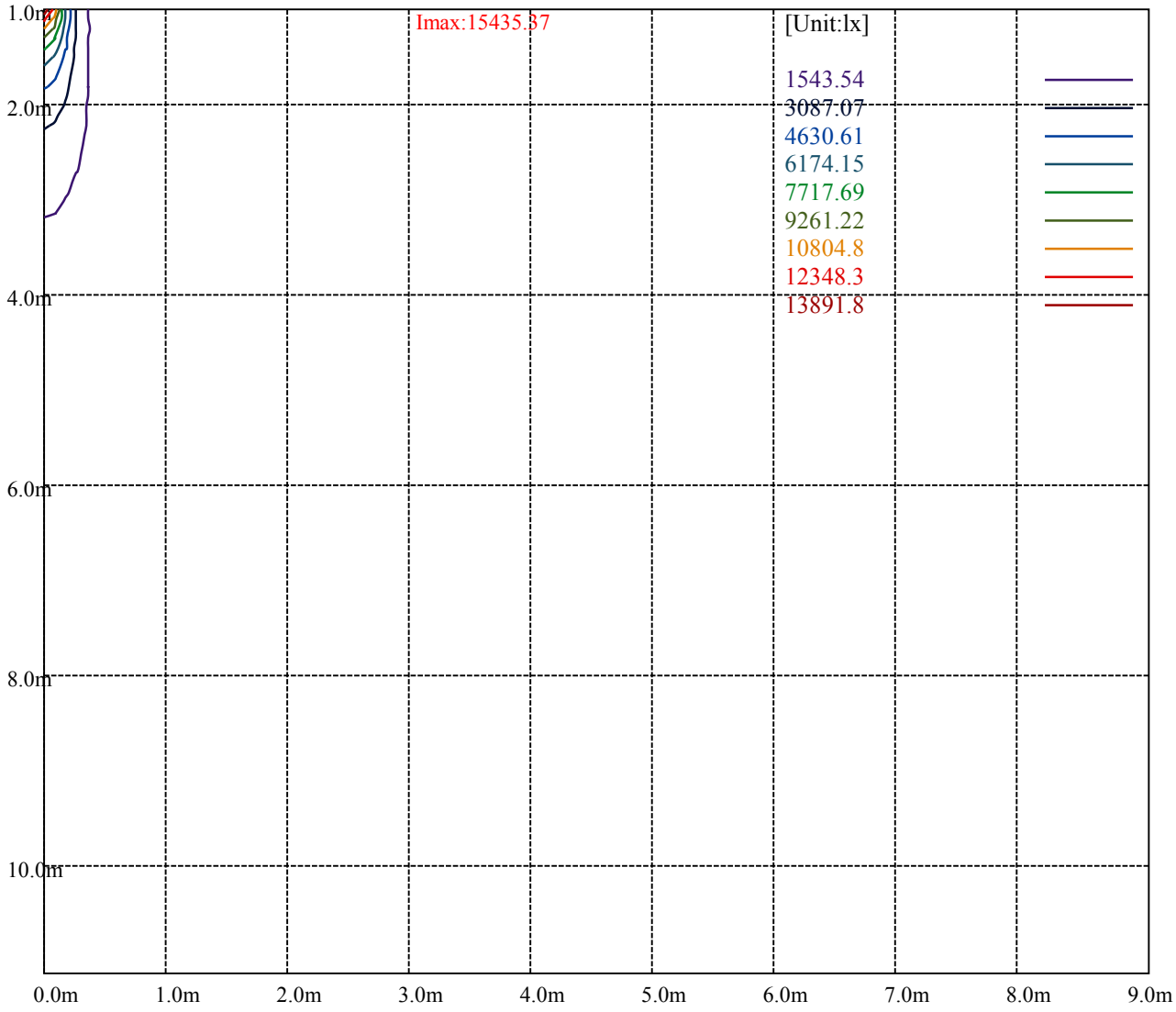


House [Unit:cd] Road

Imax:15435.37

(10%Imax) 1543.54
(20%Imax) 3087.07
(30%Imax) 4630.61
(40%Imax) 6174.15
(50%Imax) 7717.69
(60%Imax) 9261.22
(70%Imax) 10804.8
(80%Imax) 12348.3
(90%Imax) 13891.8

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/29
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Nata 2-2518-L

Luminance Limitting Curve(no luminous side)

Luminance Table

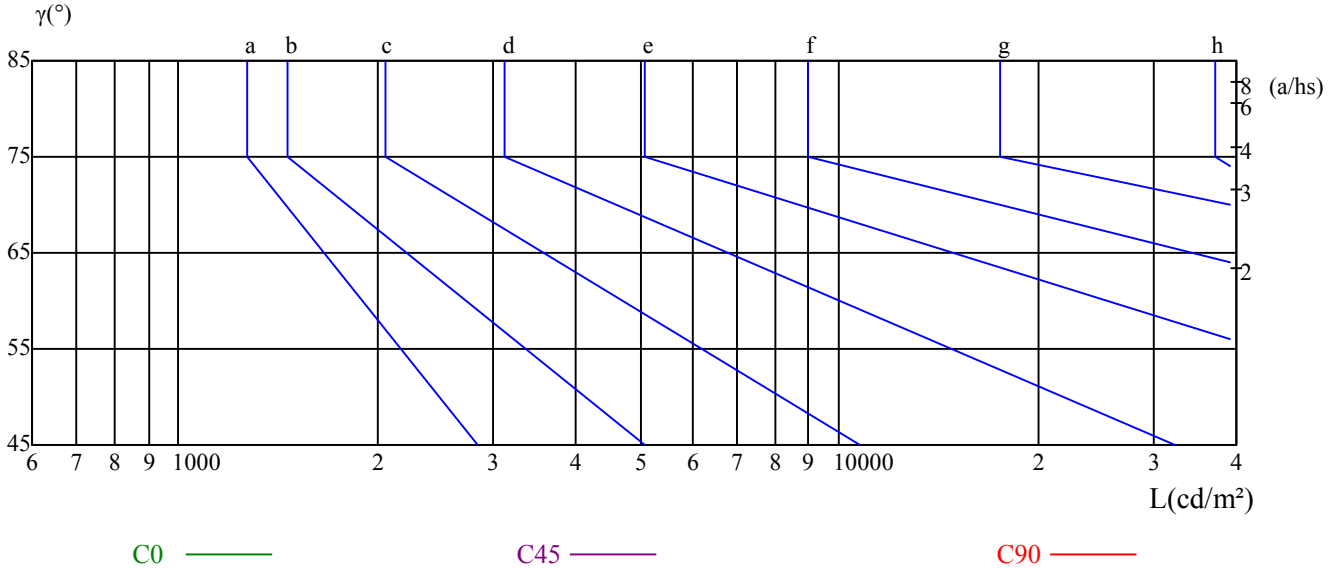
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

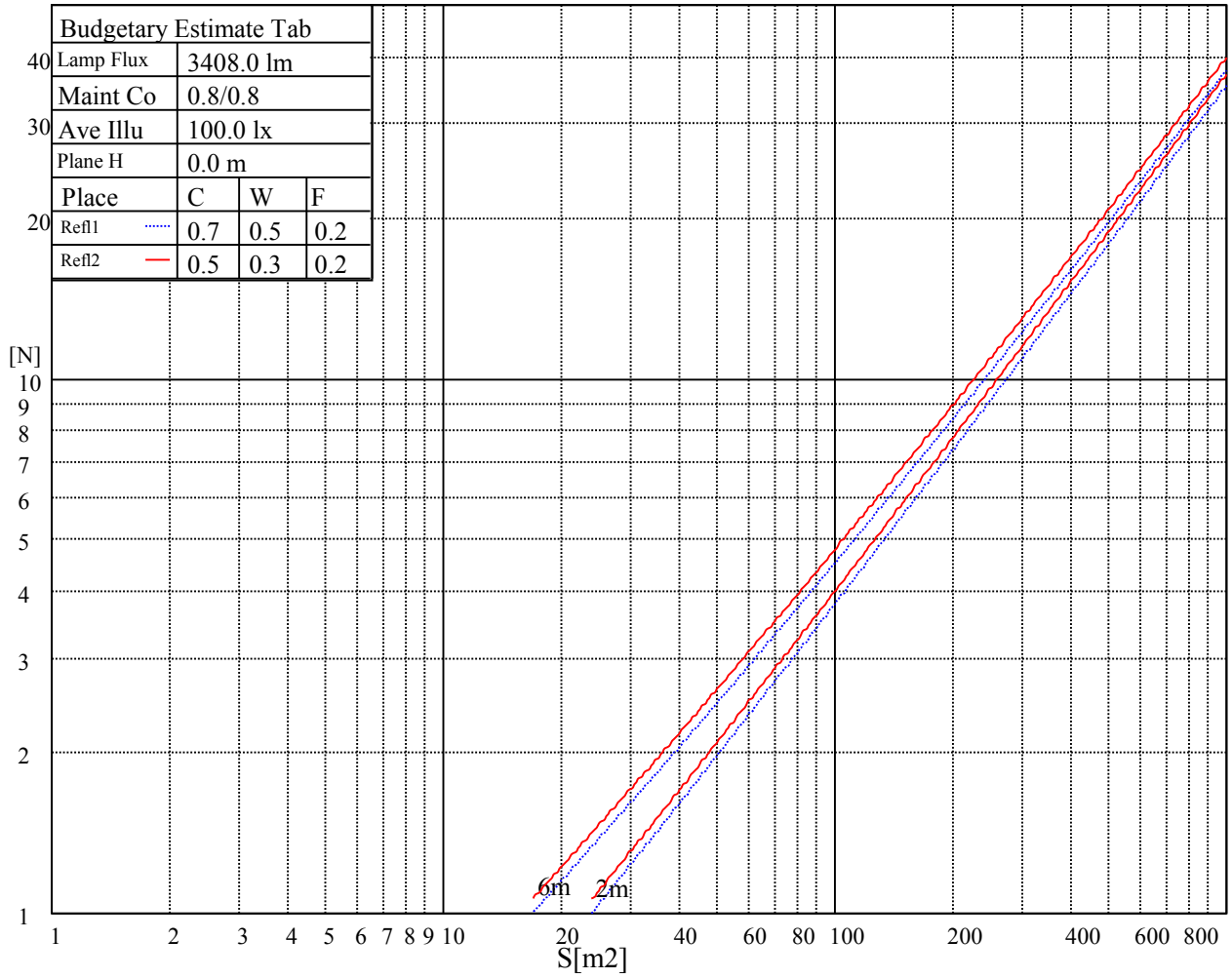
Date: 2024/8/29
Humidity(%): 60.0%

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

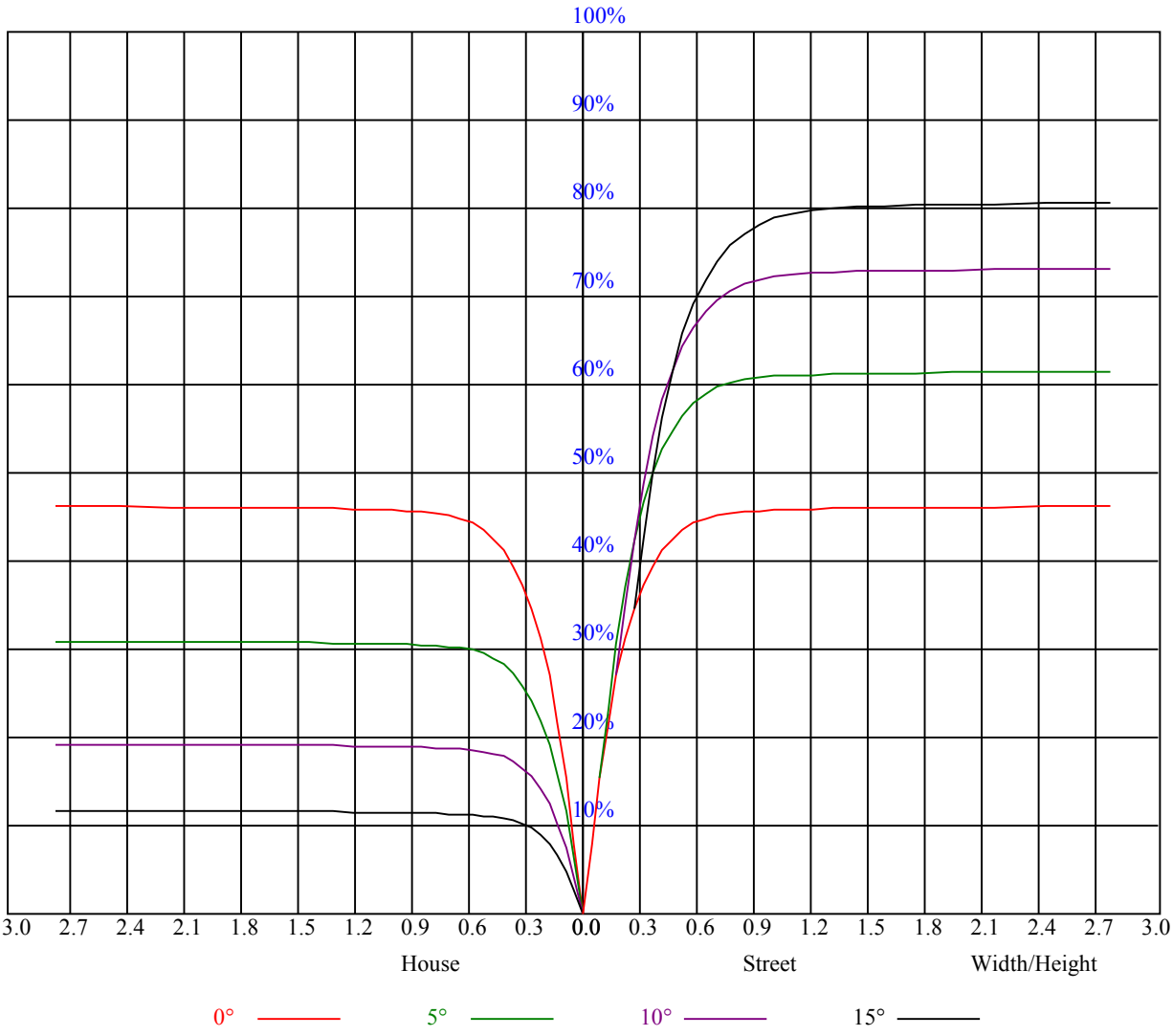
Date: 2024/8/29
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Utilization factor table for indoor luminaire

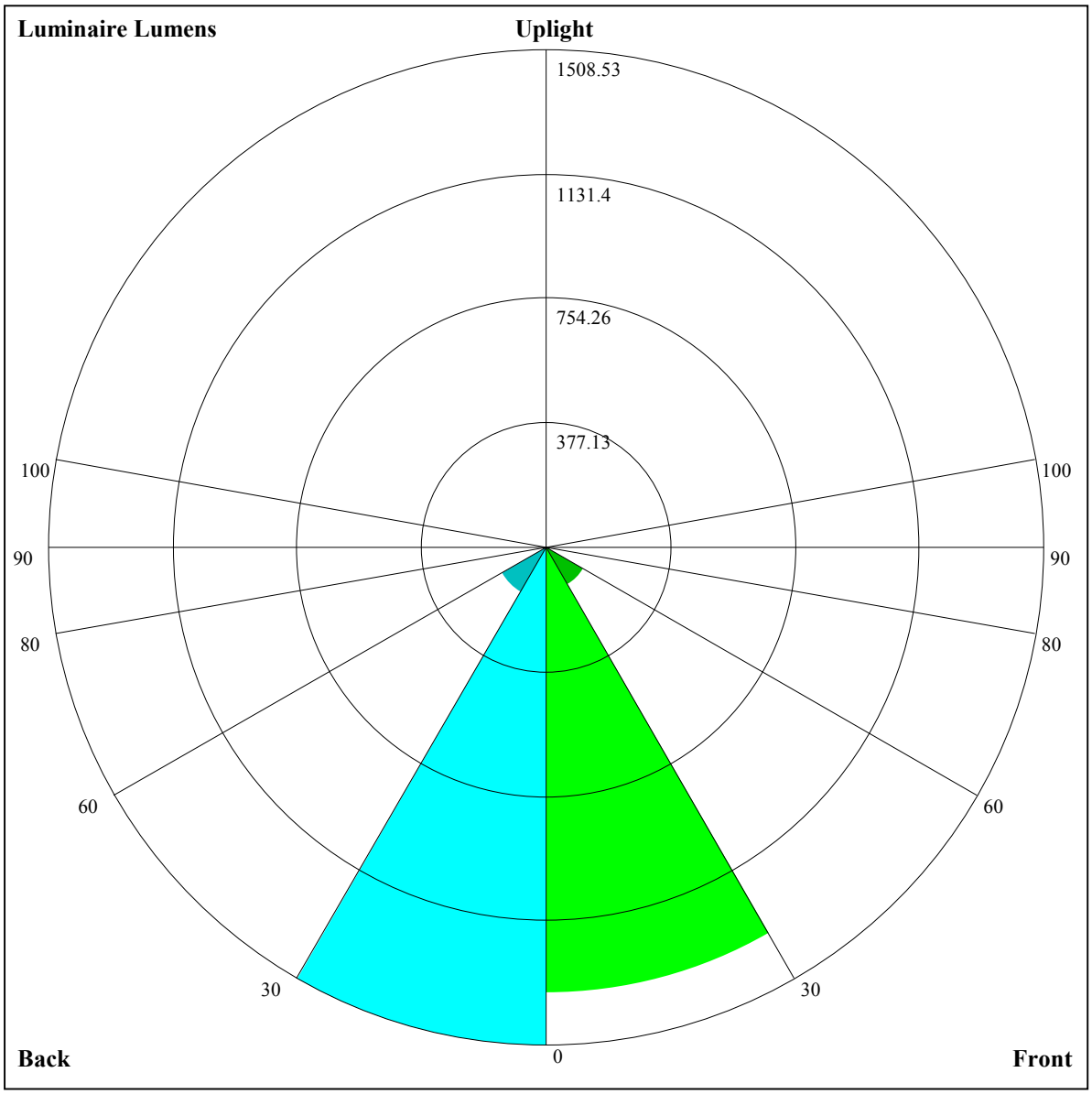
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.10	1.10	1.10	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.94	0.94	0.94	0.93
1	1.04	1.02	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89
2	0.99	0.96	0.93	0.97	0.94	0.92	0.94	0.92	0.90	0.92	0.90	0.88	0.89	0.88	0.86	0.85
3	0.94	0.90	0.88	0.93	0.89	0.87	0.90	0.88	0.85	0.88	0.86	0.84	0.86	0.84	0.83	0.82
4	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.83	0.81	0.84	0.81	0.80	0.79
5	0.86	0.82	0.79	0.85	0.82	0.79	0.84	0.81	0.78	0.82	0.80	0.77	0.81	0.79	0.77	0.76
6	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.73
7	0.80	0.76	0.73	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.72	0.76	0.74	0.71	0.70
8	0.77	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.68
9	0.74	0.70	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.66
10	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.64

Coefficient Utilization Curve



Equipment: GMS 1800	Date: 2024/8/29	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.25

LCS Graph



Luminaire Lumens:

FL=1349.45,FM=132.14,FH=10.67,FVH=1.27

BL=1508.53,BM=157.84,BH=11.26,BVH=1.43

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	15264.04	14784.89	14094.00	13224.83	11100.10	11100.10	9912.24	8744.40	7839.59
45.0	15659.63	15174.90	14517.45	13664.99	12656.52	11575.63	10405.59	9224.40	8071.08
90.0	15141.47	14450.59	13575.84	10989.19	10754.66	10273.24	9068.66	7935.41	6886.27
135.0	15676.35	15481.34	15041.18	14400.44	13536.84	12567.38	11497.63	10338.73	9196.55
180.0	15264.04	15559.34	15587.20	15381.05	14940.89	14277.87	13770.85	12416.94	11753.92
225.0	15659.63	15904.78	15904.78	15626.20	15124.75	14361.44	13419.84	11107.88	11107.88
270.0	15141.47	15570.48	15927.07	15971.64	15815.64	15386.62	14706.88	13843.28	12773.53
315.0	15676.35	15648.49	15381.05	14879.60	14484.02	13291.69	11057.21	11057.21	10100.52
360.0	15264.04	14784.89	14094.00	13224.83	11100.10	11100.10	9912.24	8744.40	7839.59

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6606.58	5882.80	5101.66	4336.67	3931.62	3511.54	3162.74	2868.55	2611.15
45.0	7430.34	6082.01	5279.69	4856.25	4271.23	3775.35	3385.34	3051.04	2822.61
90.0	5968.05	5175.78	4522.79	4196.85	3573.93	3218.45	3032.38	2661.87	2518.11
135.0	8037.65	6967.90	6037.43	5235.12	4572.10	4037.22	3591.49	3363.05	2939.61
180.0	10617.31	9441.70	8288.37	7213.05	6249.16	5430.13	4711.39	4131.94	3686.21
225.0	10114.44	8894.84	7738.15	6677.91	5758.01	4978.56	4346.18	3833.59	3419.03
270.0	11625.77	10394.44	9135.26	7920.64	6850.89	5887.00	5079.11	4404.95	3870.07
315.0	8905.98	7757.65	6697.93	5763.58	4981.35	4341.72	3822.98	3410.15	3073.59
360.0	6606.58	5882.80	5101.66	4336.67	3931.62	3511.54	3162.74	2868.55	2611.15

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2366.57	2148.70	1952.01	1777.09	1617.72	1465.65	1262.81	1107.12	1050.83
45.0	2822.61	2249.57	2045.10	1857.87	1691.30	1533.62	1384.29	1240.00	1099.55
90.0	2294.67	2087.41	1901.34	1736.40	1580.40	1429.44	1094.09	1094.09	982.92
135.0	2828.18	2828.18	2262.92	2060.13	1877.37	1710.80	1558.69	1408.78	1266.18
180.0	3312.91	3006.47	2789.18	2789.18	2311.96	2100.82	1913.59	1741.45	1581.50
225.0	3089.78	2818.98	2573.25	2336.46	2118.06	1926.94	1754.22	1653.41	1498.50
270.0	3452.20	3106.76	2833.75	2833.75	2783.60	2234.54	2030.59	1844.52	1677.90
315.0	2784.97	2531.46	2296.35	2167.68	1965.94	1787.13	1624.97	1475.64	1263.39
360.0	2366.57	2148.70	1952.01	1777.09	1617.72	1465.65	1262.81	1107.12	1050.83

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	916.01	839.11	719.48	609.57	509.86	419.34	338.56	270.17	213.25
45.0	1018.24	831.59	757.48	646.62	546.33	452.14	369.15	297.24	297.24
90.0	848.36	725.31	613.61	513.22	423.29	374.09	301.34	219.45	190.64
135.0	1129.10	992.59	858.35	732.41	622.08	522.89	431.54	381.97	282.79
180.0	1429.44	1284.00	1143.60	1004.84	868.91	746.33	635.48	536.30	442.68
225.0	1105.86	1078.90	1078.90	941.81	812.20	694.61	589.80	491.35	401.63
270.0	1520.21	1372.04	1226.60	1084.00	944.13	812.62	693.98	588.12	490.62
315.0	1076.74	1049.46	913.90	786.49	672.69	570.41	477.58	392.48	331.77
360.0	916.01	839.11	719.48	609.57	509.86	419.34	338.56	270.17	213.25

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	167.78	131.77	104.44	83.84	68.70	58.34	51.14	45.68	41.16
45.0	187.49	148.96	118.74	96.08	79.53	69.65	58.87	51.56	46.94
90.0	150.80	119.90	96.77	79.05	65.23	55.24	47.78	42.16	37.79
135.0	282.79	231.12	156.95	125.94	102.97	85.99	73.11	63.60	56.40
180.0	359.69	289.46	289.46	224.60	149.38	117.85	94.40	76.95	64.02
225.0	324.57	258.45	204.36	160.26	126.52	99.97	83.73	68.59	55.82
270.0	402.58	324.57	297.24	297.24	166.31	129.62	101.71	81.10	66.12
315.0	265.44	201.47	167.57	132.46	105.28	84.78	70.01	59.50	52.46
360.0	167.78	131.77	104.44	83.84	68.70	58.34	51.14	45.68	41.16

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	37.37	34.11	31.48	29.28	27.70	25.76	24.18	22.81	21.66
45.0	42.47	38.90	35.58	32.75	30.49	28.49	26.65	25.12	24.28
90.0	34.48	31.85	29.70	27.91	26.49	25.34	24.23	23.39	22.97
135.0	51.09	46.94	43.47	40.84	37.58	35.22	33.48	31.59	29.80
180.0	54.98	48.25	42.89	38.53	34.90	31.85	29.17	27.02	25.23
225.0	49.99	44.05	39.11	34.95	31.54	28.49	25.97	23.81	22.02
270.0	55.30	47.88	42.26	37.69	33.75	30.54	27.75	25.44	23.34
315.0	46.99	42.16	38.27	35.16	32.33	29.91	27.86	26.12	24.55
360.0	37.37	34.11	31.48	29.28	27.70	25.76	24.18	22.81	21.66

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	20.60	19.76	19.19	18.71	18.45	18.19	17.87	17.40	16.98
45.0	23.29	22.02	21.24	20.71	20.50	20.13	19.61	19.03	18.45
90.0	22.02	21.18	20.76	20.29	19.97	19.61	19.08	18.50	17.50
135.0	28.17	26.65	25.28	24.23	23.23	22.50	22.02	21.34	20.66
180.0	24.18	22.02	20.87	20.18	19.45	18.82	18.19	17.82	17.61
225.0	20.45	19.13	18.13	17.29	16.66	16.14	15.77	15.66	15.66
270.0	22.34	20.13	19.40	18.45	17.35	16.98	16.61	16.29	16.14
315.0	23.23	22.02	21.08	20.60	19.66	19.40	19.03	18.71	18.40
360.0	20.60	19.76	19.19	18.71	18.45	18.19	17.87	17.40	16.98

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.14	14.88	13.77	12.51	11.20	10.09	9.04	8.52	7.73
45.0	17.56	16.14	15.40	14.14	11.98	11.20	10.09	9.04	8.20
90.0	16.08	14.77	13.35	11.72	10.51	9.46	8.46	7.67	7.10
135.0	20.08	19.03	17.35	15.87	14.45	12.83	11.35	10.20	9.25
180.0	17.40	17.08	16.82	16.24	15.19	14.09	12.98	11.62	10.46
225.0	15.66	15.61	15.40	15.03	14.14	13.19	12.14	10.88	9.88
270.0	16.14	16.08	16.08	15.98	15.66	14.72	13.77	12.83	11.46
315.0	18.03	17.77	17.19	16.14	15.03	13.93	12.51	11.30	10.35
360.0	16.14	14.88	13.77	12.51	11.20	10.09	9.04	8.52	7.73

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.89	6.57	5.94	5.52	5.05	4.68	4.21	3.78	3.42
45.0	7.36	6.62	5.94	5.41	4.99	4.57	4.15	3.84	3.36
90.0	6.57	5.94	5.57	5.15	4.73	4.36	3.84	3.47	3.15
135.0	8.67	8.04	7.41	6.83	6.25	5.83	5.47	4.94	4.47
180.0	9.57	8.67	7.78	7.15	6.68	6.15	5.78	5.26	4.84
225.0	8.99	7.99	7.36	6.83	6.20	5.73	5.31	4.89	4.47
270.0	10.35	9.46	8.52	7.67	7.04	6.47	6.04	5.52	5.10
315.0	9.30	8.36	7.67	7.10	6.52	5.99	5.73	5.10	4.84
360.0	6.89	6.57	5.94	5.52	5.05	4.68	4.21	3.78	3.42

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.05	2.73	2.31	2.05	1.79	1.58	1.31	1.16	1.10
45.0	3.05	2.73	2.31	2.00	1.84	1.52	1.37	1.21	1.16
90.0	2.79	2.37	2.16	1.89	1.68	1.42	1.26	1.21	1.21
135.0	4.10	3.68	3.10	2.79	2.42	2.21	1.89	1.58	1.26
180.0	4.52	3.99	3.47	3.15	2.73	2.42	2.10	1.79	1.52
225.0	4.05	3.78	3.26	3.00	2.68	2.31	2.00	1.73	1.52
270.0	4.73	4.15	3.89	3.36	2.94	2.63	2.26	2.00	1.68
315.0	4.36	3.84	3.36	3.10	2.73	2.26	2.00	1.68	1.37
360.0	3.05	2.73	2.31	2.05	1.79	1.58	1.31	1.16	1.10

Intensity data(cd)

C/γ(°)	90.0
0.0	1.10
45.0	1.16
90.0	1.21
135.0	1.10
180.0	1.37
225.0	1.42
270.0	1.47
315.0	1.31
360.0	1.10