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Nata

Client:
LumCAT: 2-2760-L
Luminaire: 92.70.412.00
Report No: 2024814-B018
Ballast type: AC

Test No: 2024814-C018	Voltage(V): 34.630
LampCAT: LUMINUS CXM-14-AC40	Current(A): 0.694
Lamp flux(lm): 3147.0	Power (W): 24.030
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2902.02, Efficiency(%): 92.22% , Luminous Efficacy(lm/W): 120.77
Central intensity(cd): 4282.083, Maximum intensity(cd): 4282.083
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=50.6
[C90/270]Total=50.6
Field angle(10%Imax): [C0/180]Total=73.8
[C90/270]Total=73.8
Maximum s/h(1/2): C0_180=0.80 C90_270=0.80
Maximum s/h(1/4): C0_180=0.78 C90_270=0.78
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.22%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.499%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4282.083	0.000	0	0.00%	0.00%
1.0	4278.607	4.096	4.096	0.13%	0.14%
2.0	4269.836	12.270	16.366	0.39%	0.56%
3.0	4267.037	20.417	36.783	0.65%	1.27%
4.0	4257.431	28.534	65.317	0.91%	2.25%
5.0	4241.623	36.562	101.88	1.16%	3.51%
6.0	4221.018	44.473	146.353	1.41%	5.04%
7.0	4191.623	52.217	198.57	1.66%	6.84%
8.0	4152.825	59.720	258.29	1.90%	8.90%
9.0	4112.017	66.982	325.272	2.13%	11.21%
10.0	4059.579	73.950	399.222	2.35%	13.76%
11.0	4002.043	80.552	479.774	2.56%	16.53%
12.0	3935.880	86.773	566.547	2.76%	19.52%
13.0	3857.391	92.486	659.033	2.94%	22.71%
14.0	3768.449	97.610	756.643	3.10%	26.07%
15.0	3672.555	102.153	858.797	3.25%	29.59%
16.0	3544.822	105.755	964.552	3.36%	33.24%
17.0	3431.300	108.637	1073.189	3.45%	36.98%
18.0	3286.720	110.766	1183.954	3.52%	40.80%
19.0	3125.695	111.563	1295.517	3.55%	44.64%
20.0	2974.078	111.643	1407.16	3.55%	48.49%
21.0	2808.119	111.030	1518.19	3.53%	52.31%
22.0	2643.046	109.543	1627.733	3.48%	56.09%
23.0	2480.582	107.508	1735.241	3.42%	59.79%
24.0	2323.381	105.032	1840.273	3.34%	63.41%
25.0	2174.892	102.281	1942.553	3.25%	66.94%
26.0	2043.479	99.575	2042.129	3.16%	70.37%
27.0	1902.243	96.533	2138.662	3.07%	73.70%
28.0	1738.853	92.185	2230.846	2.93%	76.87%
29.0	1576.974	86.751	2317.598	2.76%	79.86%
30.0	1423.353	81.008	2398.606	2.57%	82.65%
31.0	1253.898	74.504	2473.11	2.37%	85.22%
32.0	1085.396	67.018	2540.128	2.13%	87.53%
33.0	973.287	60.650	2600.778	1.93%	89.62%
34.0	822.367	54.342	2655.119	1.73%	91.49%
35.0	679.410	46.640	2701.759	1.48%	93.10%
36.0	538.490	38.778	2740.537	1.23%	94.44%
37.0	414.797	31.091	2771.628	0.99%	95.51%

Nata 2-2760-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	319.495	24.510	2796.138	0.78%	96.35%
39.0	225.946	18.617	2814.755	0.59%	96.99%
40.0	162.116	13.534	2828.289	0.43%	97.46%
41.0	118.390	9.989	2838.278	0.32%	97.80%
42.0	82.359	7.294	2845.572	0.23%	98.05%
43.0	67.937	5.567	2851.139	0.18%	98.25%
44.0	56.051	4.680	2855.819	0.15%	98.41%
45.0	47.852	3.993	2859.812	0.13%	98.55%
46.0	41.051	3.477	2863.289	0.11%	98.67%
47.0	35.223	3.034	2866.322	0.10%	98.77%
48.0	30.762	2.667	2868.99	0.08%	98.86%
49.0	26.853	2.366	2871.356	0.08%	98.94%
50.0	23.896	2.116	2873.472	0.07%	99.02%
51.0	21.432	1.918	2875.389	0.06%	99.08%
52.0	19.297	1.748	2877.137	0.06%	99.14%
53.0	17.714	1.610	2878.747	0.05%	99.20%
54.0	16.308	1.500	2880.247	0.05%	99.25%
55.0	14.947	1.395	2881.642	0.04%	99.30%
56.0	13.968	1.307	2882.948	0.04%	99.34%
57.0	12.983	1.232	2884.181	0.04%	99.39%
58.0	12.129	1.161	2885.342	0.04%	99.43%
59.0	11.373	1.099	2886.441	0.03%	99.46%
60.0	10.664	1.041	2887.482	0.03%	99.50%
61.0	9.987	0.985	2888.467	0.03%	99.53%
62.0	9.422	0.935	2889.402	0.03%	99.57%
63.0	8.863	0.889	2890.292	0.03%	99.60%
64.0	8.371	0.846	2891.137	0.03%	99.63%
65.0	7.937	0.807	2891.944	0.03%	99.65%
66.0	7.490	0.770	2892.714	0.02%	99.68%
67.0	7.129	0.735	2893.449	0.02%	99.70%
68.0	6.774	0.704	2894.153	0.02%	99.73%
69.0	6.386	0.671	2894.825	0.02%	99.75%
70.0	6.064	0.639	2895.464	0.02%	99.77%
71.0	5.729	0.610	2896.074	0.02%	99.80%
72.0	5.401	0.579	2896.653	0.02%	99.82%
73.0	5.125	0.550	2897.203	0.02%	99.83%
74.0	4.803	0.522	2897.725	0.02%	99.85%
75.0	4.494	0.491	2898.216	0.02%	99.87%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.185	0.461	2898.677	0.01%	99.88%
77.0	3.909	0.432	2899.108	0.01%	99.90%
78.0	3.561	0.400	2899.508	0.01%	99.91%
79.0	3.226	0.365	2899.873	0.01%	99.93%
80.0	2.937	0.332	2900.205	0.01%	99.94%
81.0	2.635	0.301	2900.507	0.01%	99.95%
82.0	2.332	0.269	2900.776	0.01%	99.96%
83.0	2.070	0.239	2901.015	0.01%	99.97%
84.0	1.774	0.209	2901.225	0.01%	99.97%
85.0	1.564	0.182	2901.407	0.01%	99.98%
86.0	1.353	0.159	2901.566	0.01%	99.98%
87.0	1.189	0.139	2901.705	0.00%	99.99%
88.0	1.025	0.121	2901.827	0.00%	99.99%
89.0	0.854	0.103	2901.93	0.00%	100.00%
90.0	0.788	0.090	2902.02	0.00%	100.00%

Zonal flux distribution table

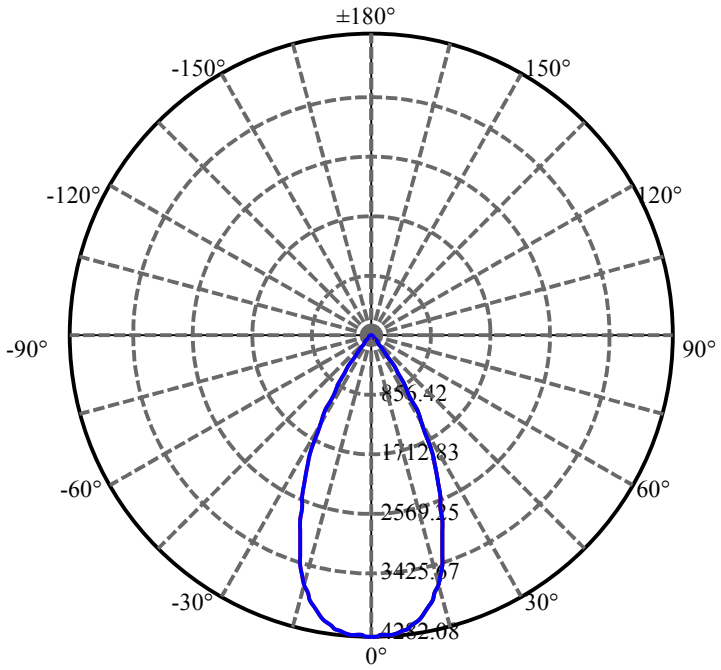
ZONAL LUMEN SUMMARY

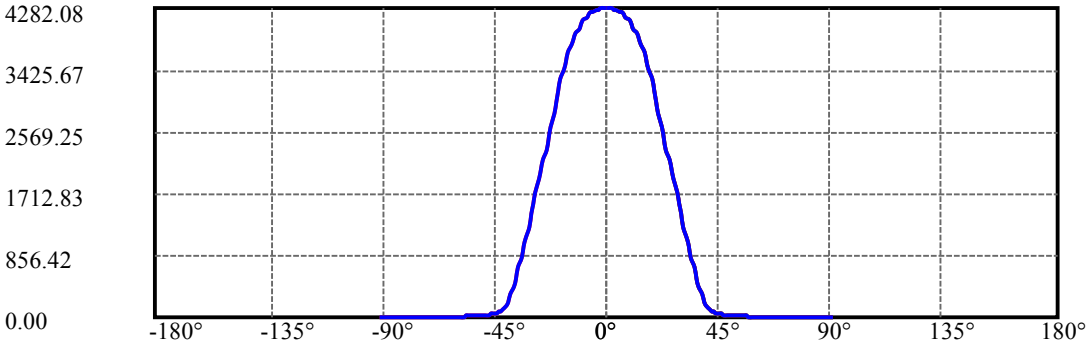
Zone	Lumens	%Lamp	%Fixt
0-30	2398.61	76.22%	82.65%
0-40	2828.29	89.87%	97.46%
0-60	2887.48	91.75%	99.50%
0-90	2901.93	92.21%	100.00%
0-120	2901.93	92.21%	100.00%
0-180	2902.02	92.22%	100.00%
60-90	14.45	0.46%	0.50%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-29.05	2321.62	73.77%	80.00%

ZONAL LUMEN SUMMARY

0-10	399.22
10-20	1007.94
20-30	991.45
30-40	429.68
40-50	45.18
50-60	14.01
60-70	7.98
70-80	4.74
80-90	1.72
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):

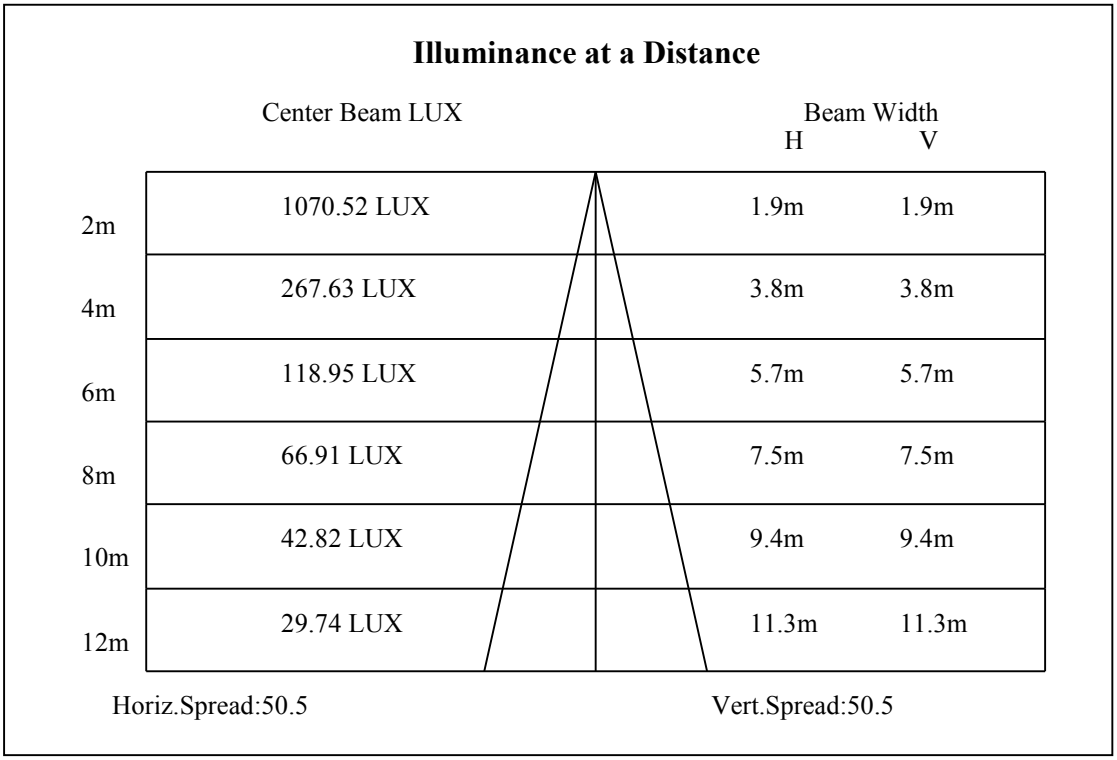
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:36.9 Right:36.9
:C90/270Left:36.9 Right:36.9

Beam Angle(50%Imax):C0/180Left:25.3 Right:25.3
:C90/270Left:25.3 Right:25.3

Lux distance Curve

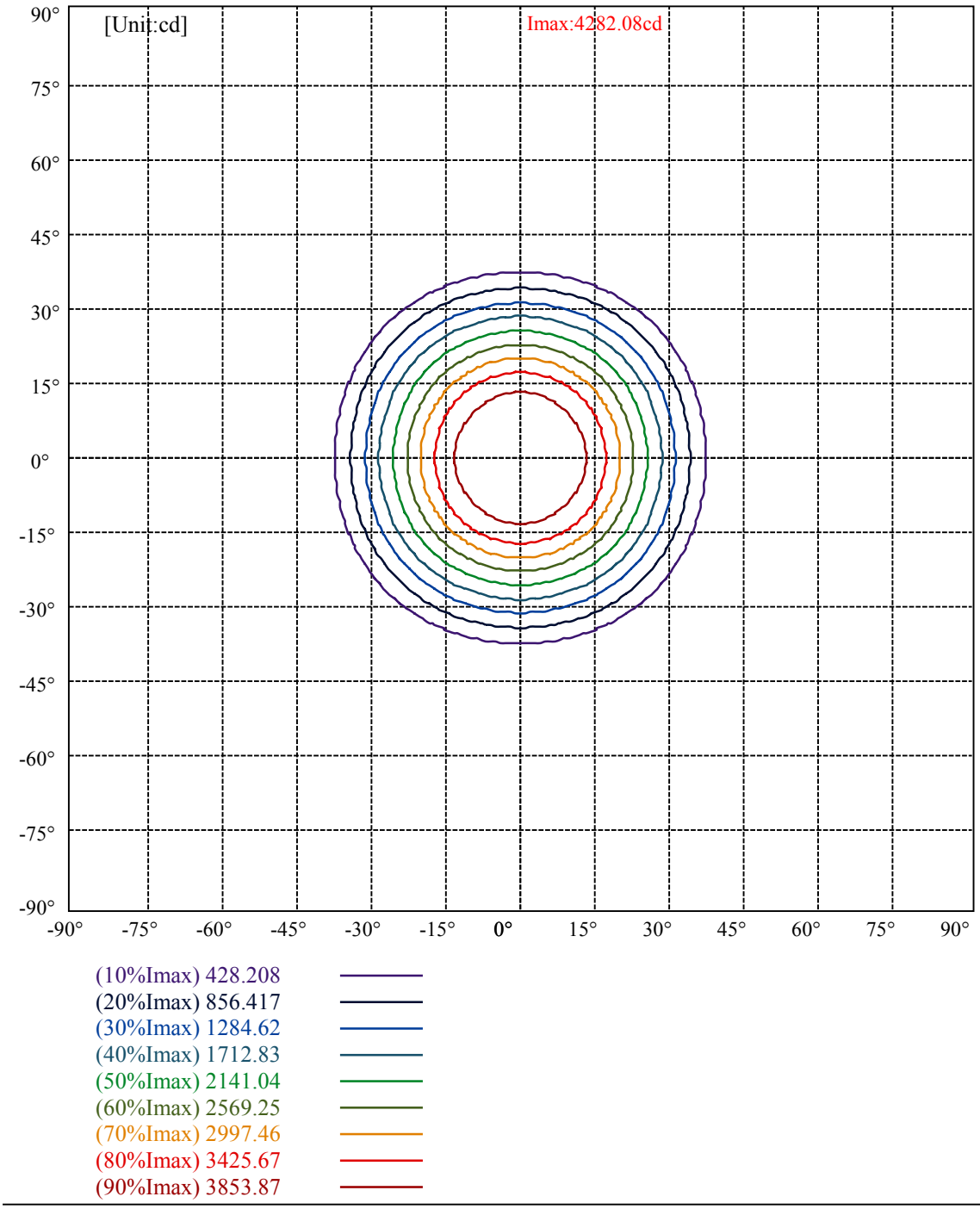


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/14
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO-Intensity(V-H)



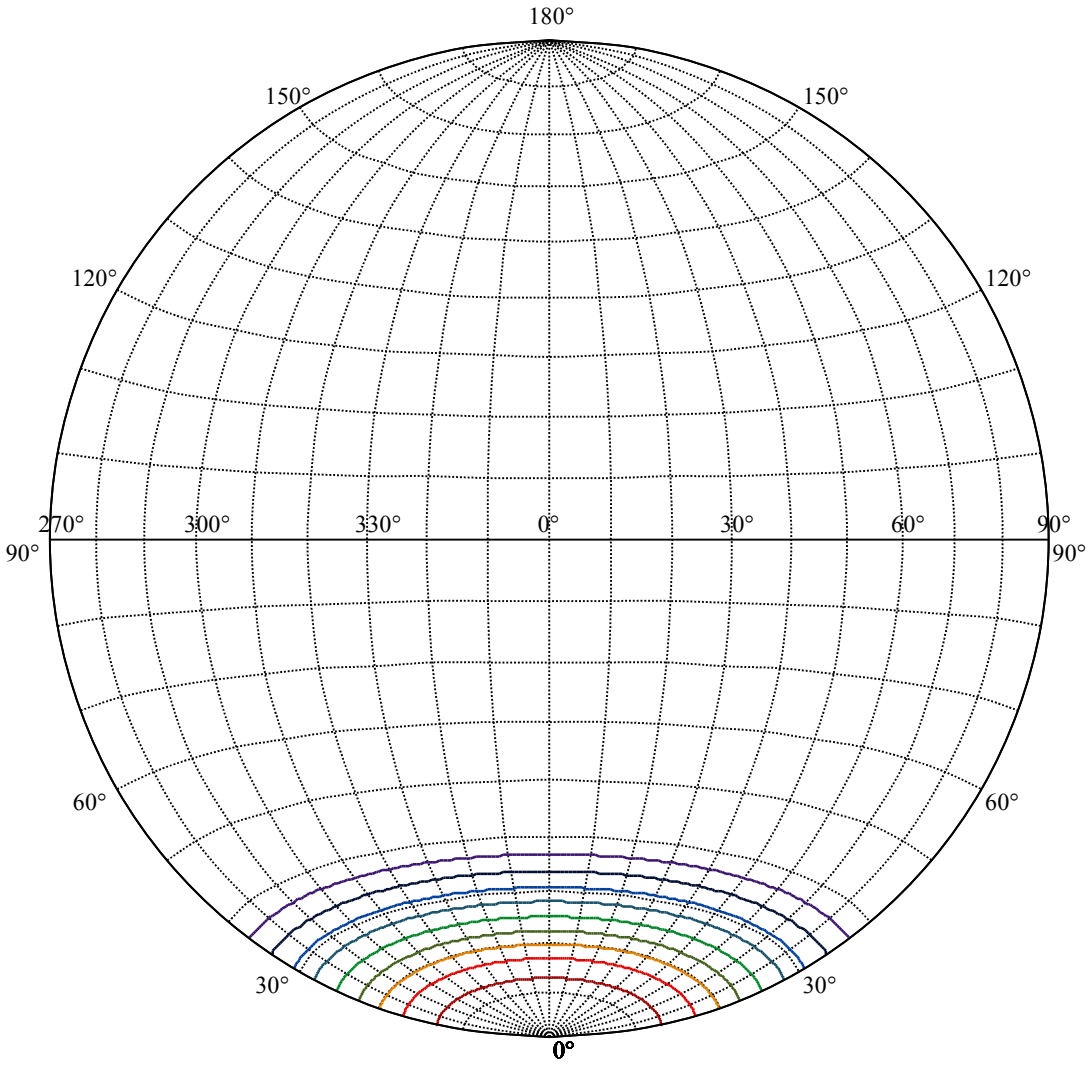
(10%Imax) 428.208
(20%Imax) 856.417
(30%Imax) 1284.62
(40%Imax) 1712.83
(50%Imax) 2141.04
(60%Imax) 2569.25
(70%Imax) 2997.46
(80%Imax) 3425.67
(90%Imax) 3853.87

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/14
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:4282.08

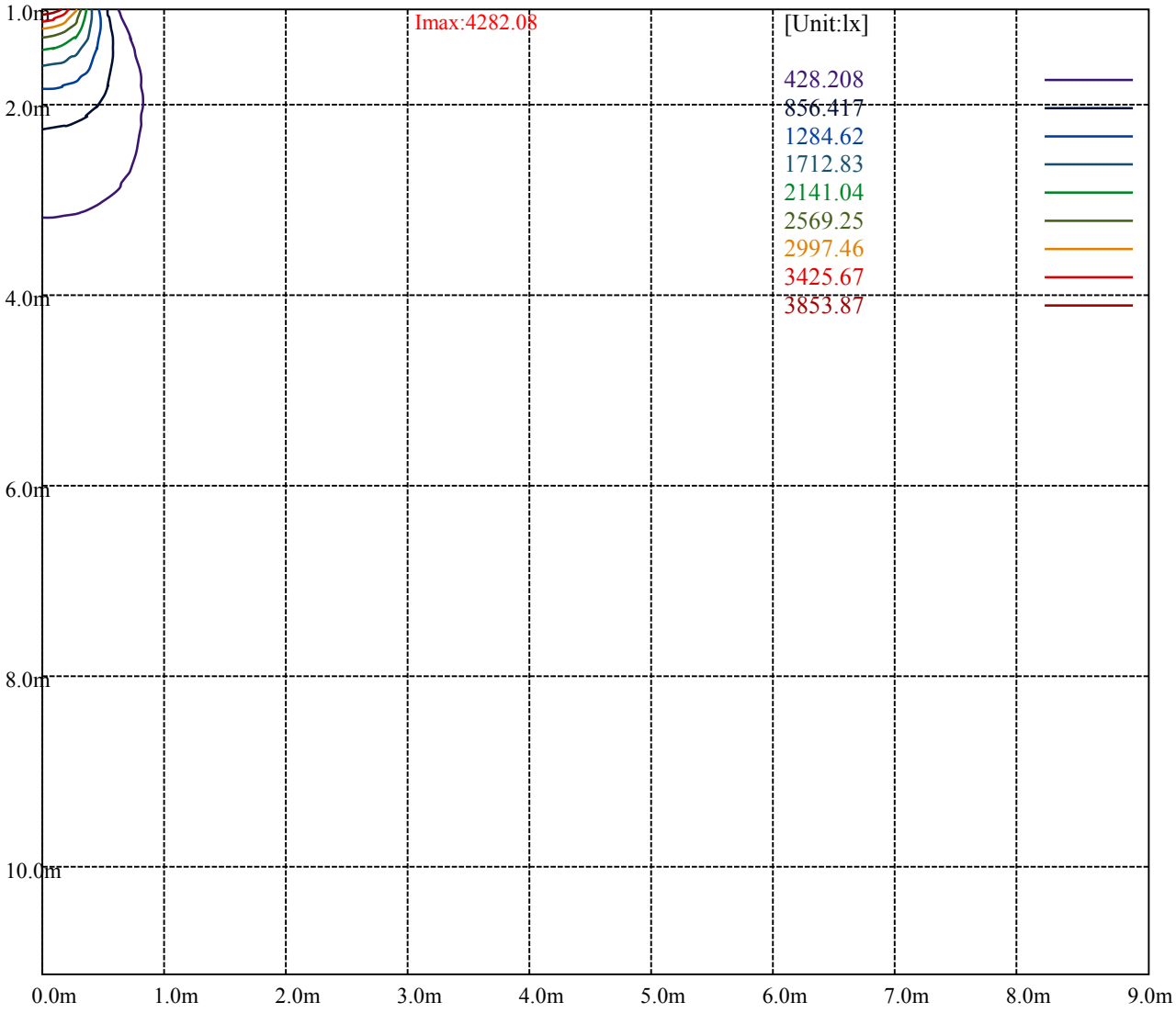
(10%Imax) 428.208
(20%Imax) 856.417
(30%Imax) 1284.62
(40%Imax) 1712.83
(50%Imax) 2141.04
(60%Imax) 2569.25
(70%Imax) 2997.46
(80%Imax) 3425.67
(90%Imax) 3853.87

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/14
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/14
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Nata 2-2760-L

Luminance Limitting Curve(no luminous side)

Luminance Table

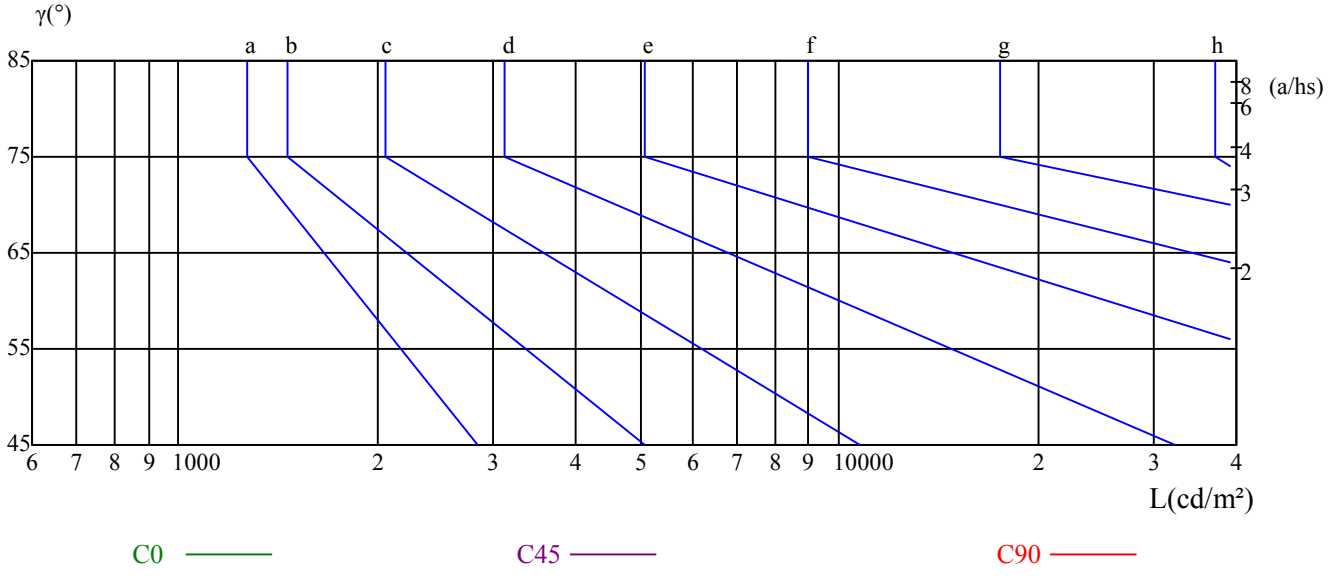
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

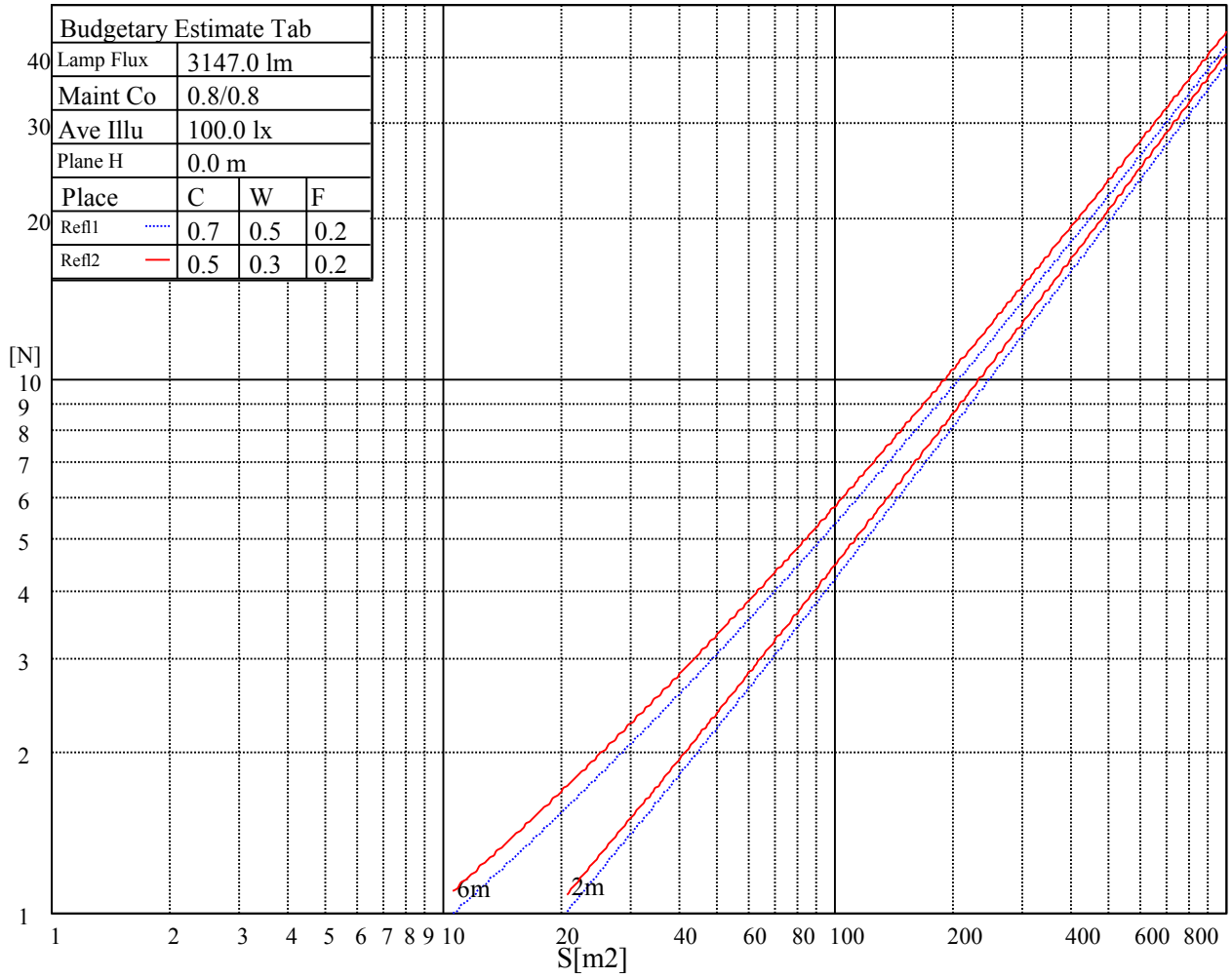
Date: 2024/8/14
Humidity(%): 60.0%

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

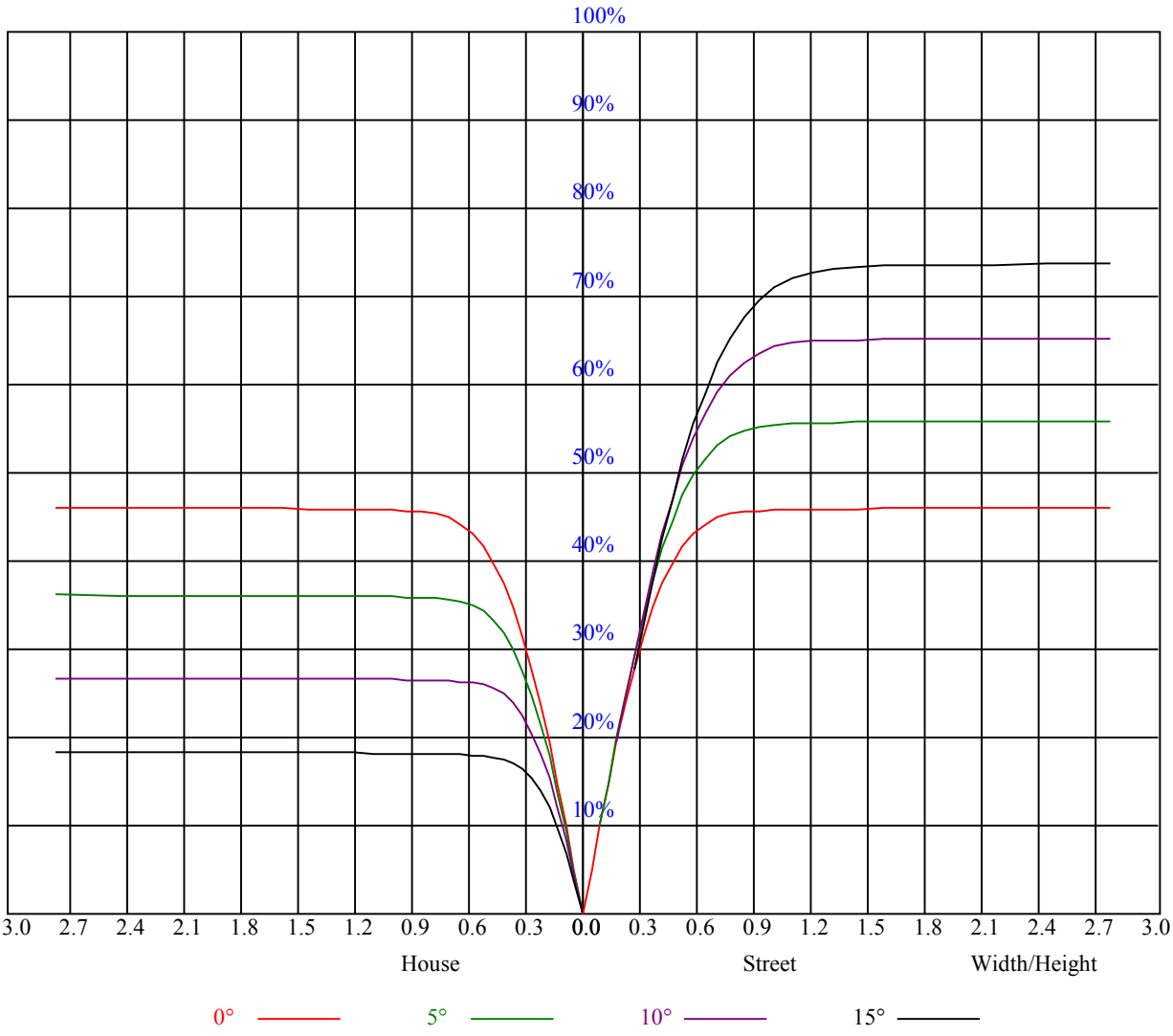
Date: 2024/8/14
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

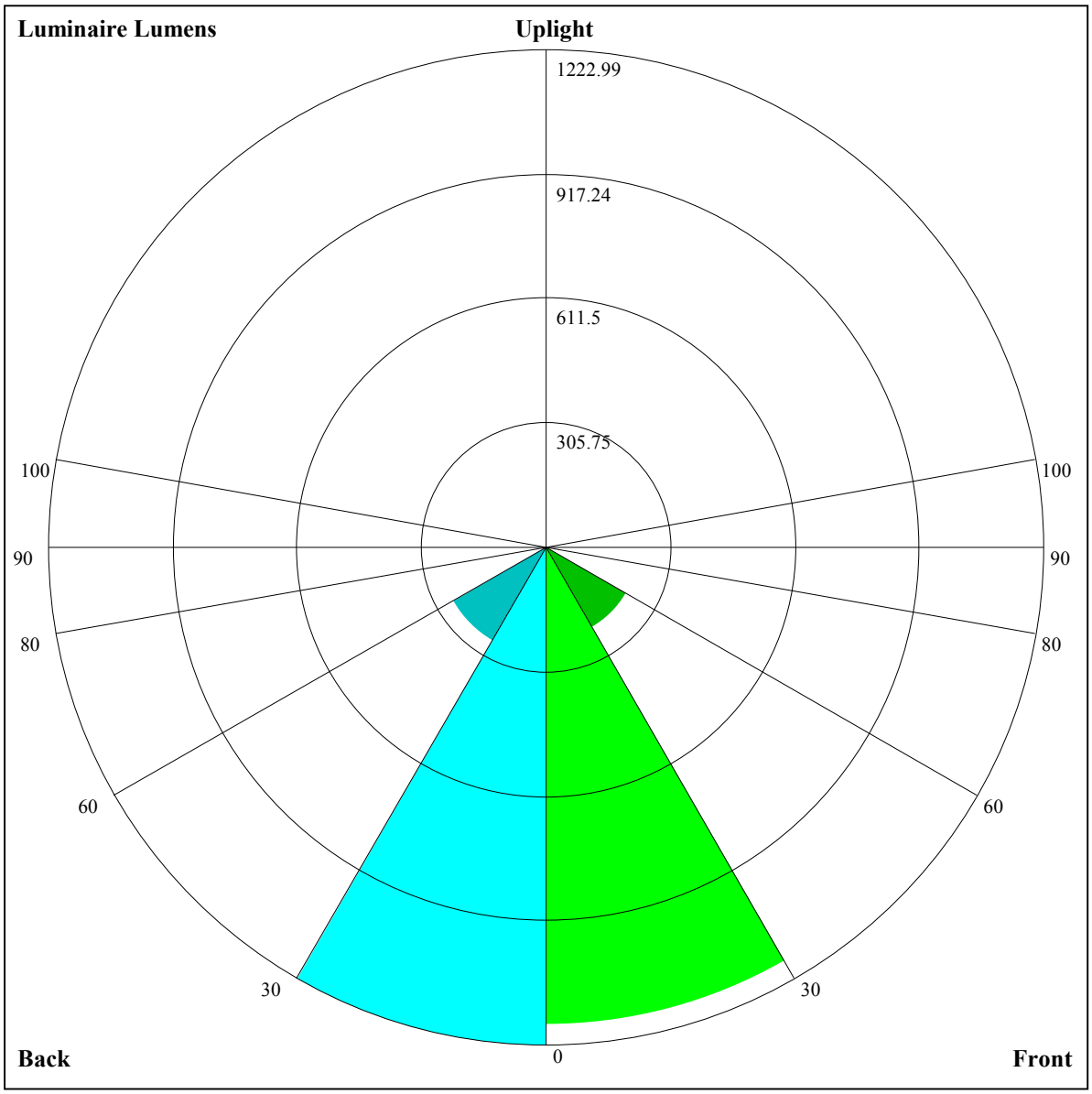
Utilization factor table for indoor luminaire

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	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.03	1.01	0.99	1.01	0.99	0.97	0.97	0.95	0.94	0.94	0.92	0.91	0.90	0.90	0.89	0.87
2	0.96	0.93	0.90	0.95	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.87	0.85	0.83	0.82
3	0.91	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.80	0.79	0.77
4	0.85	0.81	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.77	0.75	0.79	0.76	0.74	0.73
5	0.81	0.76	0.72	0.80	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.75	0.72	0.70	0.69
6	0.76	0.71	0.68	0.76	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.65
7	0.72	0.67	0.64	0.72	0.67	0.64	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.61
8	0.69	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.58
9	0.65	0.60	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.63	0.59	0.56	0.55
10	0.62	0.57	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.54	0.53

Coefficient Utilization Curve



Equipment: GMS 1800	Date: 2024/8/14	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.25



Luminaire Lumens:
FL=1173.06,FM=228.63,FH=6.15,FVH=0.89
BL=1222.99,BM=266.58,BH=6.62,BVH=0.97
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	4278.17	4269.81	4249.78	4244.74	4221.93	4187.39	4151.18	4103.82	4046.42
45.0	4290.47	4273.75	4258.14	4230.81	4202.95	4181.24	4142.82	4102.14	4058.67
90.0	4277.06	4255.88	4241.43	4227.50	4199.64	4159.53	4119.95	4070.39	4013.51
135.0	4282.63	4290.47	4280.43	4267.60	4257.56	4247.52	4223.61	4187.39	4149.49
180.0	4278.17	4288.21	4299.35	4290.99	4286.00	4281.53	4274.28	4255.88	4243.11
225.0	4290.47	4291.57	4282.63	4314.38	4325.53	4304.92	4293.25	4267.60	4234.17
270.0	4277.06	4284.32	4276.54	4278.75	4289.89	4296.56	4314.38	4310.49	4294.88
315.0	4282.63	4274.86	4270.39	4281.53	4275.96	4274.28	4248.68	4235.28	4182.35
360.0	4278.17	4269.81	4249.78	4244.74	4221.93	4187.39	4151.18	4103.82	4046.42

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3986.81	3931.10	3861.98	3785.66	3689.83	3608.47	3464.18	3329.36	3217.35
45.0	3998.48	3944.45	3887.05	3819.66	3732.73	3637.43	3528.78	3406.21	3265.81
90.0	3971.73	3916.59	3841.95	3753.91	3655.30	3541.61	3466.39	3271.96	3183.34
135.0	4122.74	4056.46	4004.05	3970.62	3890.94	3801.79	3695.41	3582.29	3445.21
180.0	4209.10	4163.42	4116.06	4058.09	3997.38	3927.15	3844.74	3749.44	3634.12
225.0	4190.18	4130.52	4077.06	4001.27	3924.37	3834.70	3773.93	3615.14	3536.04
270.0	4270.39	4227.50	4180.66	4132.78	4070.91	3996.27	3907.13	3811.31	3697.09
315.0	4146.71	4106.60	4047.52	3965.05	3897.67	3800.16	3699.87	3592.86	3471.44
360.0	3986.81	3931.10	3861.98	3785.66	3689.83	3608.47	3464.18	3329.36	3217.35

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3061.35	2904.76	2749.91	2593.91	2439.53	2284.68	2133.67	1988.23	1860.08
45.0	3110.39	2951.59	2792.23	2618.40	2446.26	2281.90	2137.56	1999.37	1916.95
90.0	3018.45	2853.51	2678.59	2506.97	2350.38	2197.17	2045.63	1900.77	1756.48
135.0	3303.71	3147.71	2979.45	2806.73	2634.54	2476.90	2311.96	2161.53	2012.20
180.0	3494.25	3351.07	3198.95	3032.38	2853.51	2685.26	2522.58	2369.36	2225.02
225.0	3405.10	3189.49	3088.63	2920.37	2757.69	2593.91	2439.53	2286.31	2139.82
270.0	3571.15	3428.49	3285.89	3127.10	2966.05	2795.59	2629.54	2465.76	2339.82
315.0	3329.36	3178.93	3018.98	2859.08	2696.40	2529.25	2366.57	2227.81	2097.45
360.0	3061.35	2904.76	2749.91	2593.91	2439.53	2284.68	2133.67	1988.23	1860.08

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1714.69	1552.54	1381.50	1047.78	1047.78	949.12	725.73	638.37	496.82
45.0	1781.55	1564.79	1465.07	1295.72	1130.78	969.20	812.09	662.76	527.36
90.0	1592.12	1423.29	1059.87	1059.87	895.19	738.87	648.15	450.99	375.45
135.0	1870.70	1711.91	1542.50	1441.68	1272.85	1037.16	939.66	781.97	631.01
180.0	2138.66	1940.34	1857.30	1710.80	1547.55	1378.14	1213.25	1048.88	886.20
225.0	1998.27	1867.91	1733.09	1582.08	1417.14	1090.72	1090.72	962.95	807.99
270.0	2160.42	2021.13	1909.12	1752.59	1630.54	1465.65	1302.39	1143.60	979.24
315.0	1961.53	1828.91	1667.34	1496.30	1089.36	1054.30	1054.30	889.41	731.20
360.0	1714.69	1552.54	1381.50	1047.78	1047.78	949.12	725.73	638.37	496.82

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	370.62	256.14	169.25	117.37	91.51	73.32	59.19	49.83	42.42
45.0	398.69	326.26	326.26	123.05	93.30	78.53	61.45	51.88	45.78
90.0	265.02	176.45	119.21	91.41	73.53	60.45	51.98	44.52	38.21
135.0	490.62	363.57	280.53	280.53	118.58	93.19	74.95	61.03	51.67
180.0	728.52	580.87	443.26	319.53	319.53	134.40	102.39	82.89	73.01
225.0	653.88	507.12	373.14	261.39	175.56	121.58	94.88	77.06	63.13
270.0	818.77	666.12	522.89	393.11	275.53	275.53	128.52	108.23	78.21
315.0	581.81	441.84	321.42	221.18	149.38	110.12	85.52	68.07	55.98
360.0	370.62	256.14	169.25	117.37	91.51	73.32	59.19	49.83	42.42

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	36.32	31.27	27.23	23.86	21.29	19.13	17.50	16.03	15.09
45.0	39.37	33.85	29.33	25.60	22.76	20.45	18.61	17.03	15.77
90.0	33.01	28.86	25.34	22.55	20.34	18.61	17.08	15.77	15.03
135.0	46.83	37.37	32.12	29.59	24.70	23.07	20.66	18.71	17.08
180.0	56.61	51.56	44.31	38.27	33.11	28.91	25.55	22.86	20.76
225.0	54.03	46.41	40.11	34.69	30.22	26.81	24.91	21.55	19.66
270.0	69.22	57.61	49.04	42.00	36.06	31.01	27.02	23.81	21.34
315.0	47.41	41.47	34.32	29.54	26.33	23.18	20.13	18.61	16.98
360.0	36.32	31.27	27.23	23.86	21.29	19.13	17.50	16.03	15.09

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	13.82	13.04	12.19	11.25	10.67	10.09	9.51	8.94	8.46
45.0	14.56	13.56	12.67	11.83	11.14	10.46	9.83	9.30	8.94
90.0	13.93	12.62	12.19	11.41	10.67	10.04	9.51	8.94	8.41
135.0	15.72	14.56	13.46	12.51	11.72	11.04	10.30	9.62	9.15
180.0	18.92	17.29	15.93	14.82	13.82	12.88	11.98	11.20	10.51
225.0	18.66	16.66	15.87	14.72	13.61	12.83	11.98	11.14	10.46
270.0	19.34	17.56	16.14	14.93	13.88	12.88	11.98	11.20	10.51
315.0	15.51	14.30	13.30	12.40	11.51	10.78	10.20	9.57	8.94
360.0	13.82	13.04	12.19	11.25	10.67	10.09	9.51	8.94	8.46

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	7.99	7.62	7.15	6.78	6.47	6.10	5.83	5.47	5.10
45.0	8.30	7.78	7.62	7.15	6.78	6.52	6.10	5.78	5.47
90.0	7.94	7.57	7.10	6.78	6.47	6.10	5.73	5.47	5.15
135.0	8.62	8.04	7.67	7.31	6.89	6.47	6.25	5.83	5.62
180.0	9.88	9.36	8.99	8.30	7.94	7.57	7.15	6.78	6.36
225.0	9.83	9.25	8.67	8.20	7.78	7.36	6.89	6.57	6.15
270.0	9.83	9.30	8.73	8.25	7.88	7.52	7.04	6.68	6.36
315.0	8.52	8.04	7.57	7.15	6.83	6.57	6.10	5.94	5.62
360.0	7.99	7.62	7.15	6.78	6.47	6.10	5.83	5.47	5.10

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	4.89	4.57	4.36	3.99	3.68	3.42	3.15	2.73	2.52
45.0	5.15	4.94	4.57	4.26	3.94	3.68	3.31	2.94	2.68
90.0	4.89	4.57	4.21	3.94	3.68	3.36	3.00	2.63	2.37
135.0	5.31	4.99	4.68	4.36	4.15	3.78	3.42	3.15	2.84
180.0	5.99	5.68	5.31	4.99	4.68	4.36	4.05	3.68	3.31
225.0	5.78	5.47	5.26	4.89	4.47	4.26	3.89	3.57	3.26
270.0	6.04	5.73	5.31	5.05	4.78	4.52	4.10	3.84	3.57
315.0	5.15	5.05	4.73	4.47	4.10	3.89	3.57	3.26	2.94
360.0	4.89	4.57	4.36	3.99	3.68	3.42	3.15	2.73	2.52

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.21	1.94	1.73	1.52	1.31	1.10	1.00	0.84	0.58
45.0	2.42	2.10	1.84	1.52	1.37	1.21	1.00	0.89	0.63
90.0	2.05	1.84	1.68	1.42	1.26	1.16	1.00	0.84	0.84
135.0	2.47	2.21	1.89	1.58	1.42	1.21	1.10	0.95	0.79
180.0	3.00	2.73	2.31	2.00	1.79	1.47	1.31	1.16	0.95
225.0	2.94	2.52	2.31	2.05	1.79	1.52	1.31	1.10	1.00
270.0	3.26	2.94	2.63	2.26	2.00	1.73	1.58	1.37	1.16
315.0	2.73	2.37	2.16	1.84	1.58	1.42	1.21	1.05	0.89
360.0	2.21	1.94	1.73	1.52	1.31	1.10	1.00	0.84	0.58

Intensity data(cd)

C/γ(°)	90.0
0.0	0.63
45.0	0.63
90.0	0.84
135.0	0.68
180.0	0.79
225.0	0.89
270.0	1.05
315.0	0.79
360.0	0.63