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

NT

Client:
LumCAT: 2-2681-L
Luminaire: 92.70.412.00
Report No: 2024305-B009
Ballast type: AC

Test No: 2024305-C009	Voltage(V): 34.230
LampCAT: TRIDONIC SLE G7 15MM	Current(A): 0.532
Lamp flux(lm): 3287.0	Power (W): 18.210
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2708.99, Efficiency(%): 82.42% , Luminous Efficacy(lm/W): 148.76
Central intensity(cd): 5006.366, Maximum intensity(cd): 5006.366
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=43.4
[C90/270]Total=43.4
Field angle(10%Imax): [C0/180]Total=67.6
[C90/270]Total=67.6
Maximum s/h(1/2): C0_180=0.70 C90_270=0.70
Maximum s/h(1/4): C0_180=0.68 C90_270=0.68
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 82.42%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.764%

NT 2-2681-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5006.366	0.000	0	0.00%	0.00%
1.0	4999.489	4.788	4.788	0.15%	0.18%
2.0	4982.372	14.327	19.115	0.44%	0.71%
3.0	4952.379	23.761	42.875	0.72%	1.58%
4.0	4906.146	33.000	75.875	1.00%	2.80%
5.0	4849.964	41.970	117.845	1.28%	4.35%
6.0	4778.347	50.599	168.444	1.54%	6.22%
7.0	4692.100	58.783	227.227	1.79%	8.39%
8.0	4601.317	66.511	293.739	2.02%	10.84%
9.0	4492.099	73.697	367.436	2.24%	13.56%
10.0	4379.297	80.283	447.719	2.44%	16.53%
11.0	4252.815	86.253	533.971	2.62%	19.71%
12.0	4117.702	91.502	625.473	2.78%	23.09%
13.0	3980.393	96.104	721.577	2.92%	26.64%
14.0	3835.477	100.042	821.619	3.04%	30.33%
15.0	3681.928	103.202	924.822	3.14%	34.14%
16.0	3517.407	105.490	1030.312	3.21%	38.03%
17.0	3355.373	107.028	1137.34	3.26%	41.98%
18.0	3182.439	107.794	1245.134	3.28%	45.96%
19.0	3016.820	107.854	1352.989	3.28%	49.94%
20.0	2815.576	106.749	1459.738	3.25%	53.88%
21.0	2629.548	104.557	1564.295	3.18%	57.74%
22.0	2451.566	102.107	1666.402	3.11%	61.51%
23.0	2256.101	98.780	1765.182	3.01%	65.16%
24.0	2079.802	94.798	1859.98	2.88%	68.66%
25.0	1894.578	90.369	1950.349	2.75%	72.00%
26.0	1679.303	84.362	2034.711	2.57%	75.11%
27.0	1496.998	77.709	2112.42	2.36%	77.98%
28.0	1290.538	70.575	2182.994	2.15%	80.58%
29.0	1171.357	64.410	2247.404	1.96%	82.96%
30.0	1012.337	58.959	2306.364	1.79%	85.14%
31.0	858.532	52.064	2358.427	1.58%	87.06%
32.0	712.116	44.997	2403.424	1.37%	88.72%
33.0	589.226	38.338	2441.762	1.17%	90.14%
34.0	477.668	32.287	2474.05	0.98%	91.33%
35.0	383.973	26.759	2500.809	0.81%	92.32%
36.0	306.987	22.000	2522.809	0.67%	93.13%
37.0	251.735	18.222	2541.032	0.55%	93.80%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	190.959	14.777	2555.808	0.45%	94.35%
39.0	154.053	11.776	2567.585	0.36%	94.78%
40.0	103.226	8.973	2576.558	0.27%	95.11%
41.0	84.404	6.681	2583.239	0.20%	95.36%
42.0	69.210	5.581	2588.82	0.17%	95.56%
43.0	60.249	4.796	2593.616	0.15%	95.74%
44.0	53.248	4.284	2597.899	0.13%	95.90%
45.0	48.969	3.928	2601.828	0.12%	96.04%
46.0	45.626	3.699	2605.527	0.11%	96.18%
47.0	43.029	3.526	2609.053	0.11%	96.31%
48.0	41.075	3.400	2612.453	0.10%	96.44%
49.0	39.327	3.302	2615.755	0.10%	96.56%
50.0	37.966	3.223	2618.977	0.10%	96.68%
51.0	36.752	3.161	2622.139	0.10%	96.79%
52.0	35.640	3.106	2625.245	0.09%	96.91%
53.0	34.594	3.055	2628.3	0.09%	97.02%
54.0	33.621	3.007	2631.307	0.09%	97.13%
55.0	32.758	2.963	2634.27	0.09%	97.24%
56.0	31.858	2.920	2637.19	0.09%	97.35%
57.0	31.017	2.875	2640.065	0.09%	97.46%
58.0	30.154	2.829	2642.893	0.09%	97.56%
59.0	29.408	2.785	2645.678	0.08%	97.66%
60.0	28.625	2.742	2648.419	0.08%	97.76%
61.0	27.820	2.694	2651.113	0.08%	97.86%
62.0	27.118	2.647	2653.76	0.08%	97.96%
63.0	26.364	2.601	2656.361	0.08%	98.06%
64.0	25.618	2.551	2658.912	0.08%	98.15%
65.0	24.901	2.500	2661.412	0.08%	98.24%
66.0	24.265	2.453	2663.865	0.07%	98.33%
67.0	23.694	2.412	2666.277	0.07%	98.42%
68.0	23.219	2.376	2668.653	0.07%	98.51%
69.0	22.897	2.353	2671.006	0.07%	98.60%
70.0	22.502	2.332	2673.338	0.07%	98.68%
71.0	21.975	2.299	2675.636	0.07%	98.77%
72.0	21.405	2.256	2677.892	0.07%	98.85%
73.0	20.702	2.202	2680.094	0.07%	98.93%
74.0	20.168	2.149	2682.243	0.07%	99.01%
75.0	19.612	2.102	2684.345	0.06%	99.09%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	19.137	2.057	2686.401	0.06%	99.17%
77.0	18.676	2.016	2688.417	0.06%	99.24%
78.0	18.179	1.973	2690.39	0.06%	99.31%
79.0	17.652	1.925	2692.316	0.06%	99.38%
80.0	17.125	1.875	2694.19	0.06%	99.45%
81.0	16.496	1.818	2696.009	0.06%	99.52%
82.0	15.750	1.749	2697.757	0.05%	99.59%
83.0	14.952	1.669	2699.426	0.05%	99.65%
84.0	13.987	1.577	2701.003	0.05%	99.71%
85.0	13.029	1.474	2702.477	0.04%	99.76%
86.0	12.348	1.387	2703.864	0.04%	99.81%
87.0	11.836	1.324	2705.188	0.04%	99.86%
88.0	11.602	1.284	2706.472	0.04%	99.91%
89.0	11.485	1.265	2707.737	0.04%	99.95%
90.0	11.427	1.256	2708.994	0.04%	100.00%

Zonal flux distribution table

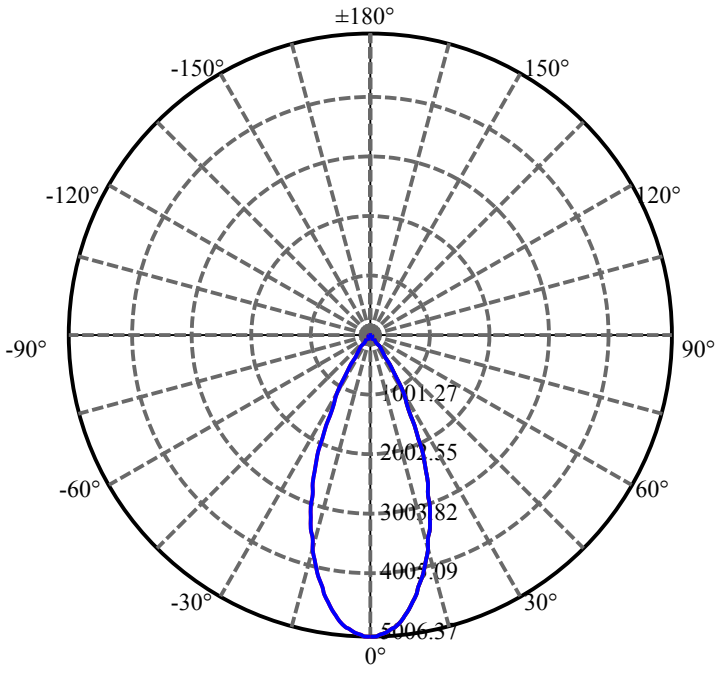
ZONAL LUMEN SUMMARY

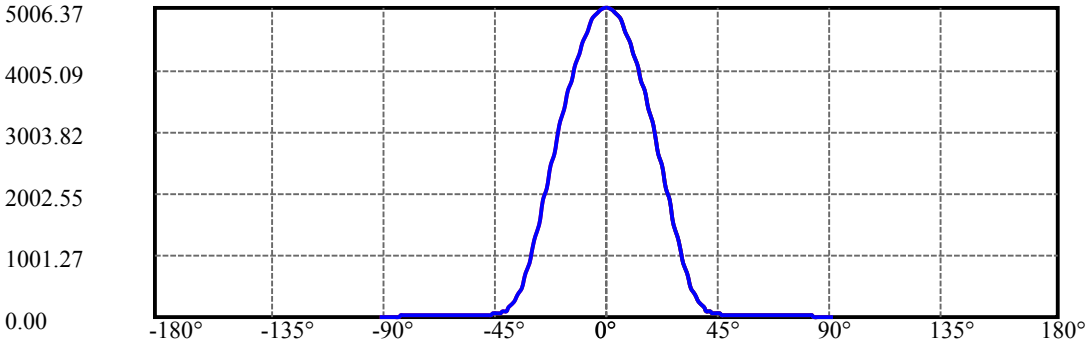
Zone	Lumens	%Lamp	%Fixt
0-30	2306.36	70.17%	85.14%
0-40	2576.56	78.39%	95.11%
0-60	2648.42	80.57%	97.76%
0-90	2707.74	82.38%	99.95%
0-120	2707.74	82.38%	99.95%
0-180	2708.99	82.42%	100.00%
60-90	59.32	1.80%	2.19%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.78	2167.20	65.93%	80.00%

ZONAL LUMEN SUMMARY

0-10	447.72
10-20	1012.02
20-30	846.63
30-40	270.19
40-50	42.42
50-60	29.44
60-70	24.92
70-80	20.85
80-90	13.55
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):

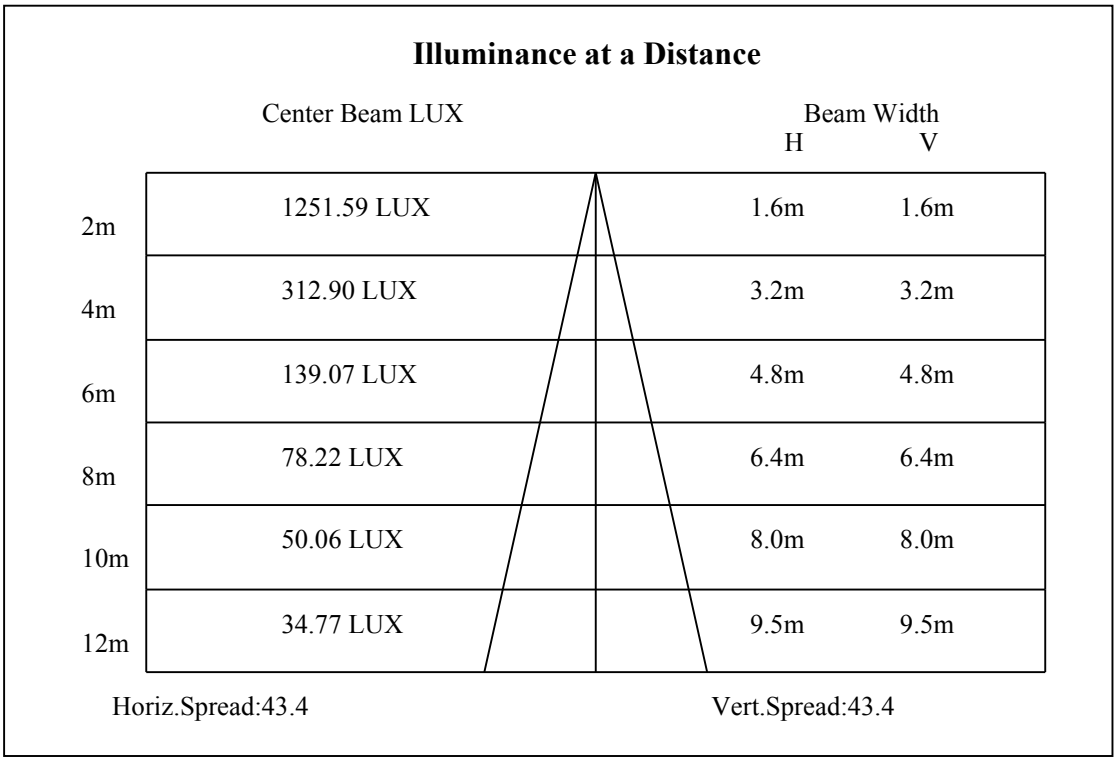
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:33.8 Right:33.8
:C90/270Left:33.8 Right:33.8

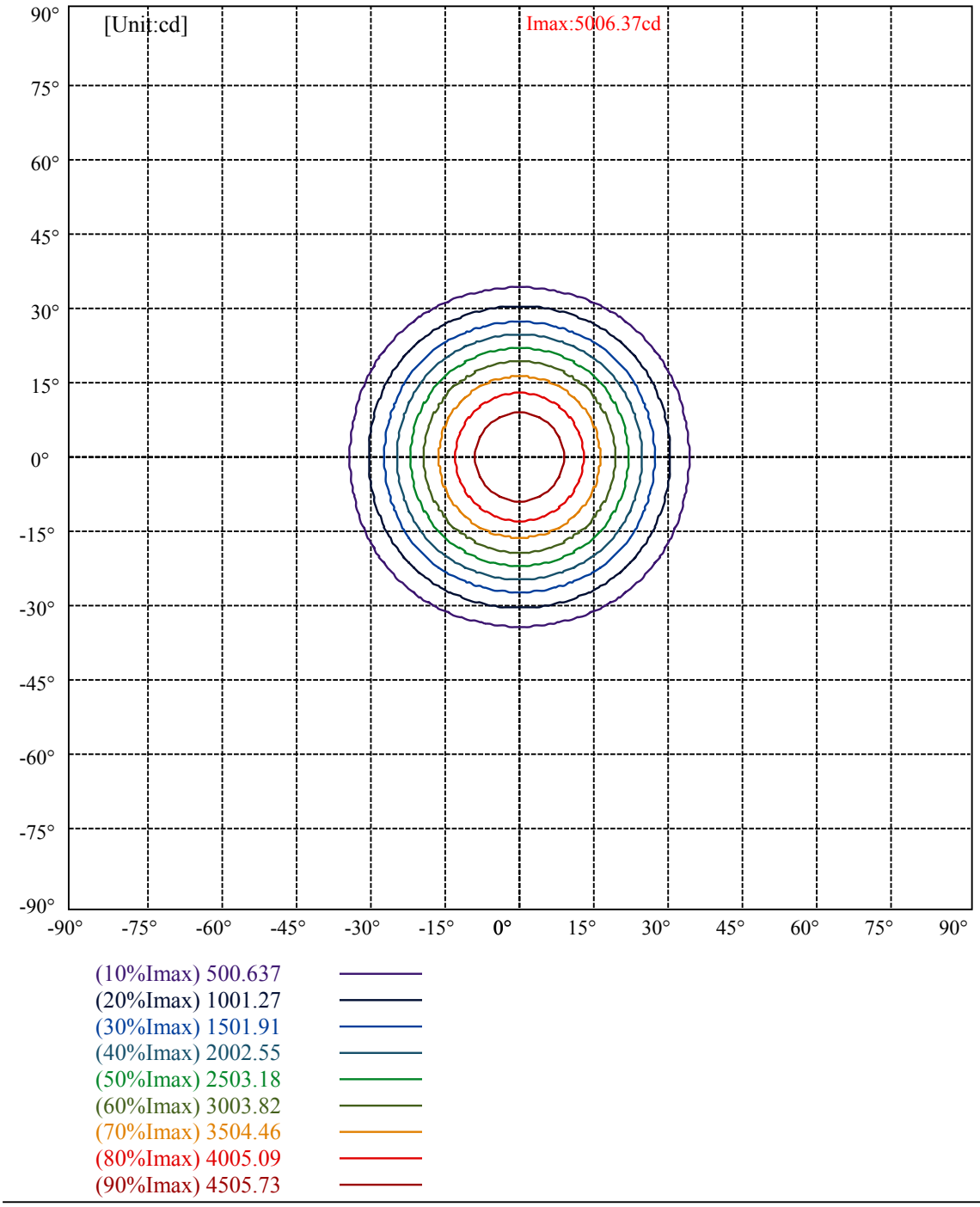
Beam Angle(50%Imax):C0/180Left:21.7 Right:21.7
:C90/270Left:21.7 Right:21.7

Lux distance Curve



Equipment: GMS1980 Date: 2024/3/05 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

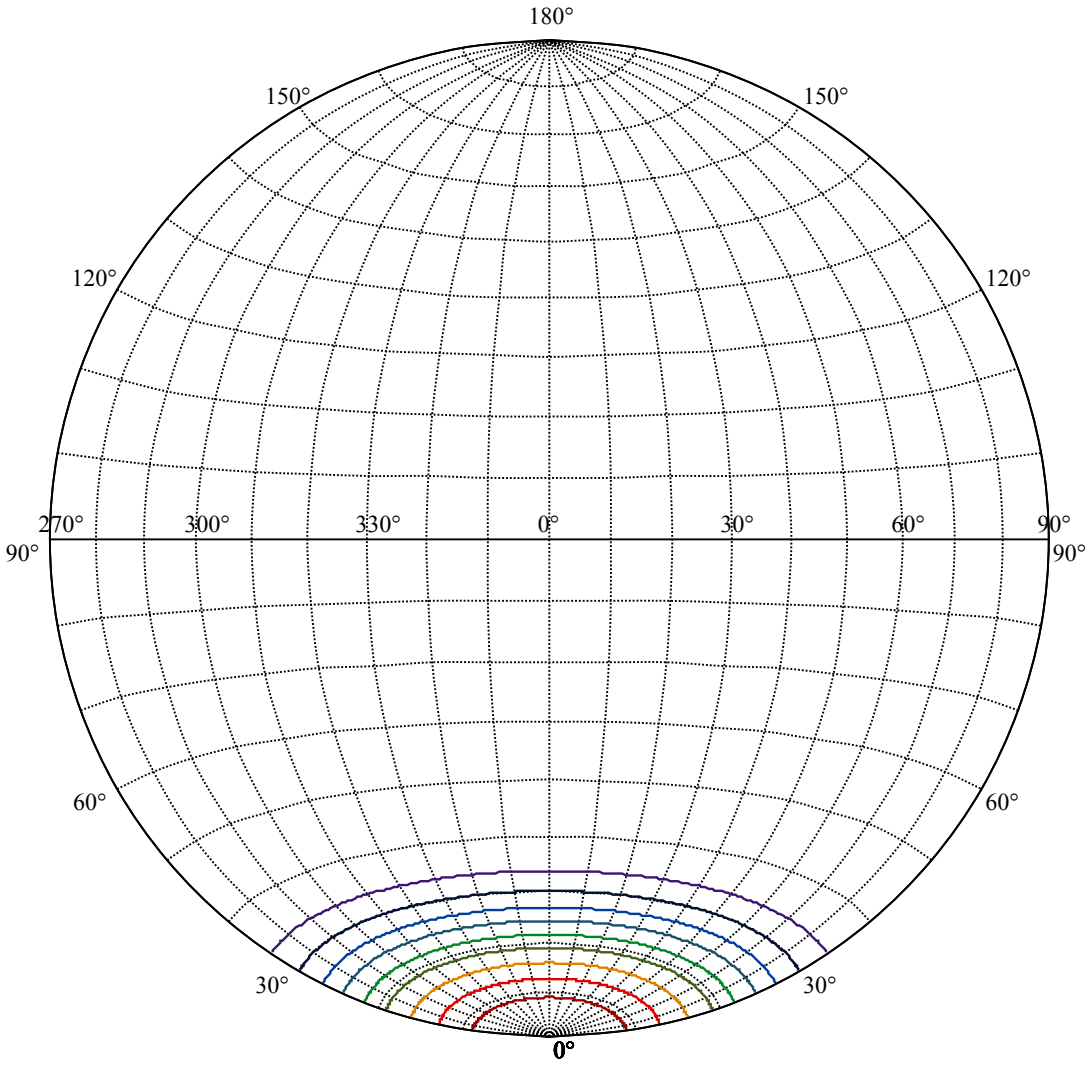
ISO-Intensity(V-H)



Equipment: GMS1980 Date: 2024/3/05 Operator: NT07

Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO candela diagram on circular web



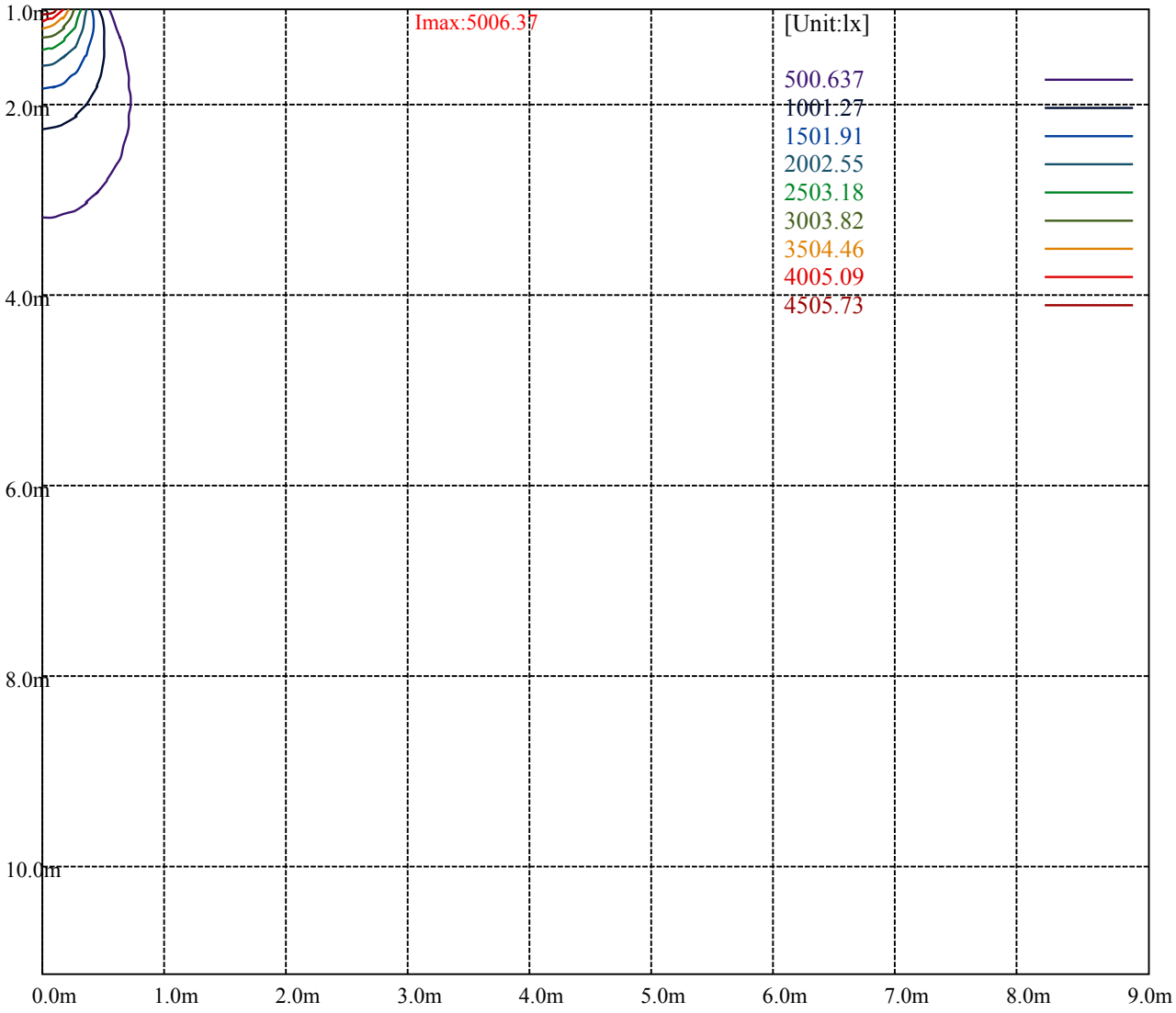
House [Unit:cd] Road

Imax:5006.37

(10%Imax) 500.637
(20%Imax) 1001.27
(30%Imax) 1501.91
(40%Imax) 2002.55
(50%Imax) 2503.18
(60%Imax) 3003.82
(70%Imax) 3504.46
(80%Imax) 4005.09
(90%Imax) 4505.73

Equipment: GMS1980	Date: 2024/3/05	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/05
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

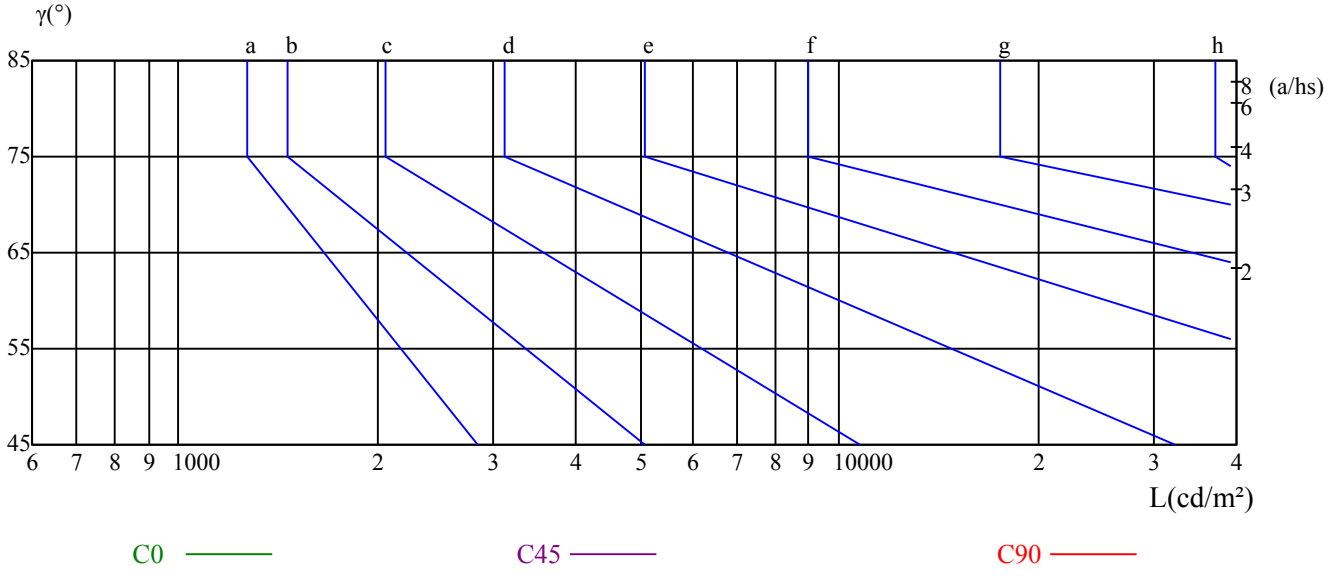
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

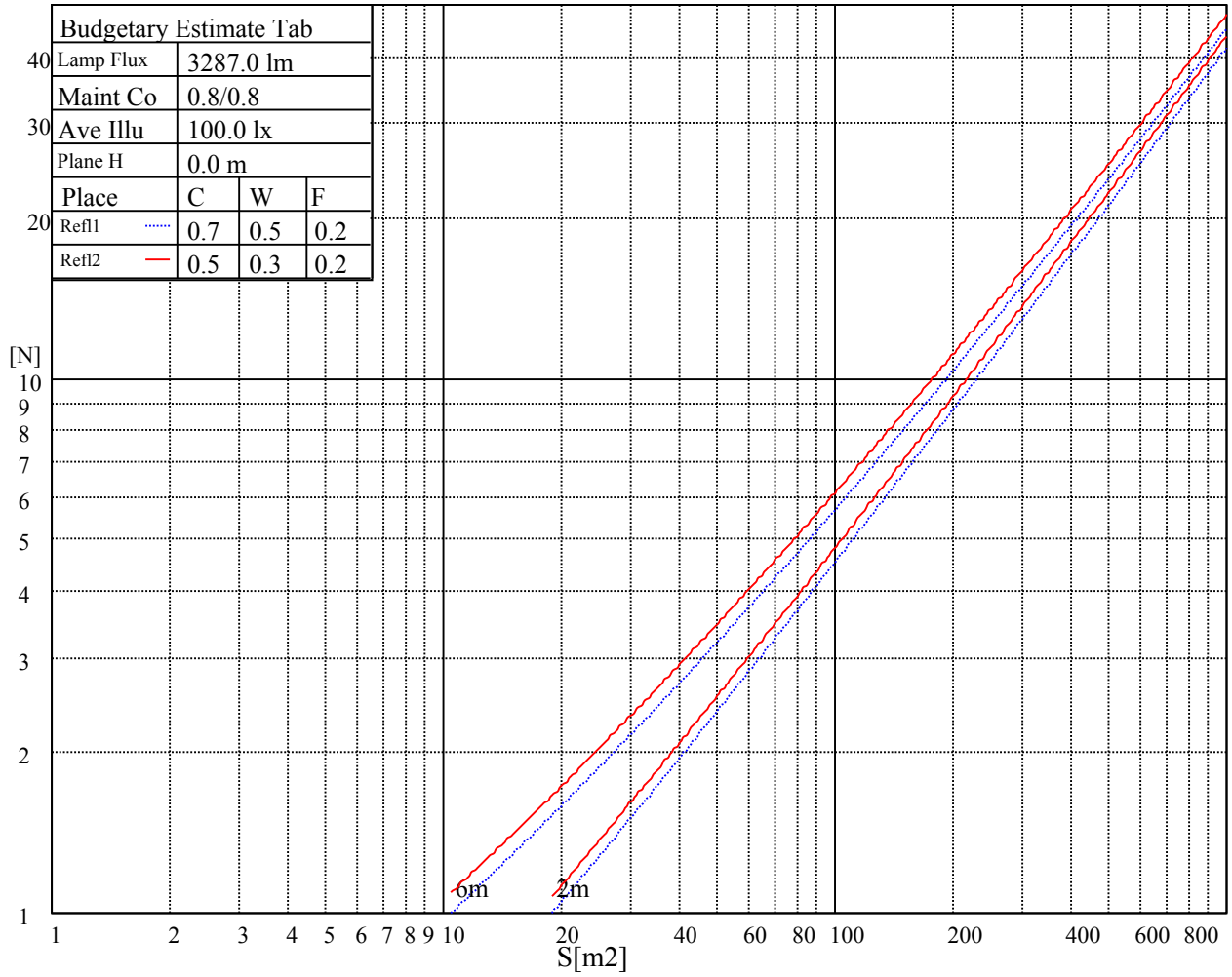
Luminance Limitting Curve



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

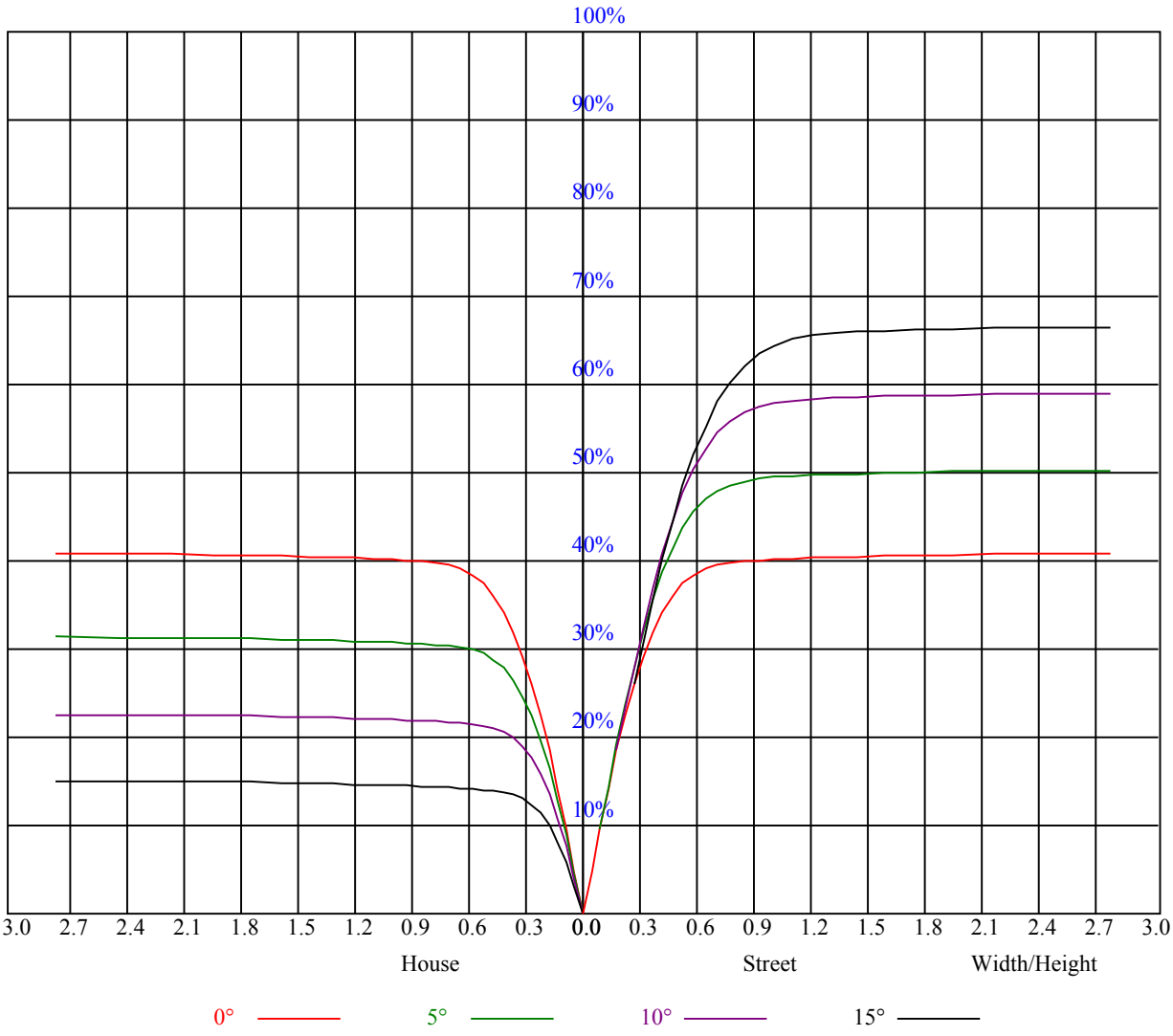


Equipment: GMS1980 Date: 2024/3/05 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

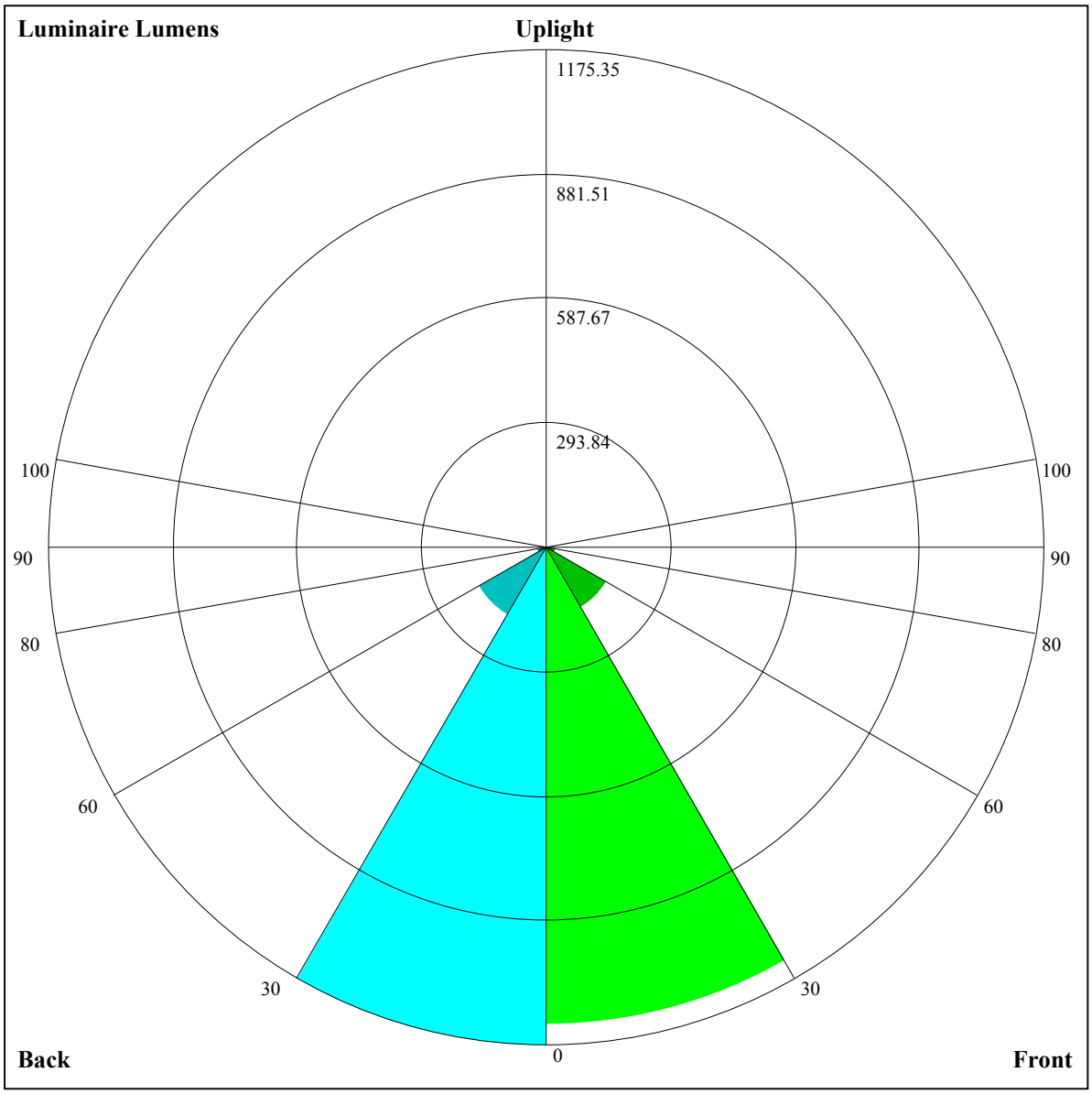
Utilization factor table for indoor luminaire

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	0.98	0.98	0.98	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.82
1	0.92	0.90	0.88	0.90	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.80	0.79	0.77
2	0.86	0.83	0.80	0.84	0.82	0.79	0.82	0.79	0.77	0.79	0.77	0.76	0.77	0.76	0.74	0.73
3	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.72	0.76	0.73	0.71	0.74	0.72	0.70	0.69
4	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.70	0.68	0.72	0.69	0.67	0.71	0.68	0.66	0.65
5	0.72	0.68	0.65	0.72	0.68	0.65	0.70	0.67	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
6	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.59
7	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.56
8	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.54	0.60	0.57	0.54	0.53
9	0.60	0.55	0.52	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.51
10	0.57	0.53	0.50	0.57	0.53	0.50	0.56	0.52	0.50	0.55	0.52	0.50	0.55	0.52	0.50	0.49

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/05	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1127.39,FM=162.66,FH=22.2,FVH=7.28
BL=1175.35,BM=182.79,BH=23.43,BVH=7.55
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	4993.20	4962.77	4927.65	4879.08	4817.63	4729.26	4647.92	4552.52	4450.69
45.0	5011.93	5001.39	4975.64	4943.45	4885.52	4823.48	4755.01	4651.43	4559.55
90.0	5006.07	4981.49	4948.14	4901.90	4825.82	4755.60	4653.77	4561.89	4463.57
135.0	5014.27	5008.41	4993.78	4956.33	4910.68	4853.33	4787.20	4687.71	4598.76
180.0	4993.20	5007.24	5010.75	4999.64	4979.74	4947.55	4888.44	4825.24	4751.50
225.0	5011.93	5009.00	4999.05	4970.37	4932.92	4882.59	4820.56	4723.41	4635.04
270.0	5006.07	5015.44	5013.10	5003.15	4973.89	4935.26	4884.93	4821.73	4728.68
315.0	5014.27	5010.17	4990.86	4965.11	4922.97	4872.64	4788.95	4712.88	4622.75
360.0	4993.20	4962.77	4927.65	4879.08	4817.63	4729.26	4647.92	4552.52	4450.69

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4314.92	4197.29	4035.77	3897.66	3756.03	3575.20	3421.28	3262.69	3059.61
45.0	4464.15	4357.06	4211.34	4084.93	3955.59	3816.31	3630.79	3481.56	3326.48
90.0	4354.72	4210.17	4083.17	3947.99	3773.00	3629.62	3479.81	3323.55	3164.37
135.0	4472.93	4364.67	4248.21	4091.95	3962.03	3822.75	3674.10	3488.00	3337.01
180.0	4644.99	4551.35	4446.01	4336.58	4186.76	4058.01	3926.33	3785.88	3606.80
225.0	4538.48	4406.80	4294.44	4146.38	4022.90	3888.88	3746.67	3562.32	3410.16
270.0	4642.65	4551.35	4418.51	4302.63	4182.08	4021.14	3884.20	3695.17	3553.54
315.0	4503.95	4395.68	4285.08	4133.50	4004.75	3871.91	3692.24	3540.08	3385.00
360.0	4314.92	4197.29	4035.77	3897.66	3756.03	3575.20	3421.28	3262.69	3059.61

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2888.73	2711.99	2538.76	2329.84	2160.12	1981.63	1811.33	1610.01	1156.58
45.0	3128.09	2958.37	2780.46	2563.34	2394.21	2221.57	2007.97	1835.91	1664.44
90.0	2953.69	2777.54	2561.00	2391.87	2217.48	1998.60	1831.81	1668.53	1502.92
135.0	3181.93	3018.65	2804.46	2631.82	2458.00	2242.64	2071.17	1898.53	1680.24
180.0	3463.42	3311.26	3101.75	2921.50	2750.62	2529.40	2353.83	2179.44	1968.76
225.0	3252.15	3086.54	2865.32	2690.92	2515.36	2298.24	2126.77	1959.98	1790.85
270.0	3404.90	3251.57	3032.69	2843.08	2667.51	2494.87	2325.74	2105.11	1935.40
315.0	3186.61	3018.65	2840.16	2664.00	2449.23	2281.85	2109.79	1899.11	1735.25
360.0	2888.73	2711.99	2538.76	2329.84	2160.12	1981.63	1811.33	1610.01	1156.58

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1156.58	1081.26	933.84	761.55	635.03	521.38	425.28	325.27	255.86
45.0	1495.89	1290.48	1133.64	980.90	836.93	668.97	553.10	457.70	356.46
90.0	1130.65	1130.65	980.08	836.93	672.72	554.27	453.78	347.16	273.01
135.0	1508.77	1293.99	1132.47	980.90	838.69	678.33	564.22	465.90	378.11
180.0	1804.89	1641.03	1467.80	1256.54	1097.36	946.37	804.74	645.56	533.20
225.0	1581.34	1162.20	1162.20	1042.05	891.53	719.71	599.74	494.98	402.99
270.0	1767.44	1560.27	1396.41	1191.58	1032.98	881.99	711.11	591.14	487.55
315.0	1530.42	1164.42	1164.42	1048.26	863.03	725.91	601.85	493.64	384.61
360.0	1156.58	1081.26	933.84	761.55	635.03	521.38	425.28	325.27	255.86

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	197.98	151.92	110.26	88.72	73.80	63.56	55.19	50.56	46.35
45.0	301.45	301.45	155.26	121.08	91.94	76.90	65.90	58.29	51.91
90.0	210.92	151.28	116.87	93.23	73.74	63.44	56.24	50.21	46.76
135.0	299.11	299.11	162.99	119.85	96.27	79.71	65.37	57.59	52.14
180.0	434.88	327.78	308.47	308.47	138.82	109.61	84.97	71.46	61.74
225.0	303.15	235.90	182.71	142.21	106.22	86.91	73.15	63.26	55.07
270.0	399.18	303.79	303.79	224.55	140.22	110.72	85.21	71.69	60.34
315.0	309.23	242.63	187.33	134.31	104.81	84.39	67.65	58.93	51.68
360.0	197.98	151.92	110.26	88.72	73.80	63.56	55.19	50.56	46.35

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	43.83	41.73	39.62	38.27	37.10	35.99	34.82	34.00	33.12
45.0	48.28	45.47	43.13	40.85	39.39	38.04	36.64	35.58	34.65
90.0	44.07	41.96	39.85	38.45	37.22	36.17	35.00	34.12	33.07
135.0	47.34	44.48	42.14	40.32	38.33	37.16	36.05	35.00	33.88
180.0	55.25	49.63	46.47	44.01	42.02	40.09	38.74	37.57	36.23
225.0	50.62	46.64	44.24	42.25	40.32	38.98	37.86	36.52	35.46
270.0	54.54	50.27	46.29	43.83	41.49	39.97	38.68	37.51	36.46
315.0	47.81	44.83	42.49	40.61	38.74	37.34	36.23	34.82	33.88
360.0	43.83	41.73	39.62	38.27	37.10	35.99	34.82	34.00	33.12

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	32.13	31.31	30.49	29.73	28.73	28.09	27.39	26.57	25.87
45.0	33.53	32.71	31.95	30.90	30.14	29.32	28.56	27.56	26.92
90.0	32.25	31.43	30.43	29.67	28.97	28.27	27.45	26.74	26.10
135.0	33.01	32.19	31.25	30.43	29.50	28.85	28.09	27.39	26.51
180.0	35.29	34.47	33.47	32.66	31.89	30.96	30.26	29.55	28.85
225.0	34.59	33.71	32.71	31.95	31.19	30.43	29.50	28.79	28.15
270.0	35.17	34.35	33.42	32.54	31.49	30.78	29.96	29.03	28.32
315.0	33.01	31.89	31.13	30.26	29.32	28.56	27.80	26.92	26.22
360.0	32.13	31.31	30.49	29.73	28.73	28.09	27.39	26.57	25.87

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	24.99	24.35	23.58	22.88	22.00	21.42	20.89	20.25	19.55
45.0	26.22	25.52	24.70	23.99	23.58	23.99	25.05	24.70	23.00
90.0	25.46	24.58	23.94	23.23	22.59	21.77	21.13	20.54	20.01
135.0	25.93	25.22	24.58	23.76	23.06	22.36	21.77	21.13	20.54
180.0	28.09	27.33	26.69	25.98	25.16	24.46	23.76	23.00	22.41
225.0	27.27	26.57	25.75	25.81	26.16	26.22	26.34	27.45	28.38
270.0	27.45	26.69	25.93	25.11	24.35	23.64	22.94	22.24	21.71
315.0	25.52	24.70	24.05	23.35	22.65	21.89	21.30	20.72	20.19
360.0	24.99	24.35	23.58	22.88	22.00	21.42	20.89	20.25	19.55

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.14	18.73	18.43	18.02	17.67	17.21	16.74	16.27	15.68
45.0	22.65	21.42	20.25	19.25	18.55	18.14	17.67	17.26	16.80
90.0	19.61	19.14	18.84	18.49	18.14	17.67	17.21	16.74	16.33
135.0	20.01	19.37	19.08	18.67	18.38	18.02	17.56	17.21	16.74
180.0	21.83	21.42	21.01	20.72	20.31	20.07	19.78	19.55	19.20
225.0	27.27	25.87	24.81	23.76	22.65	21.65	20.66	19.31	18.32
270.0	21.24	20.72	20.31	19.84	19.55	19.14	18.67	18.20	17.62
315.0	19.49	18.96	18.61	18.14	17.85	17.50	17.15	16.68	16.33
360.0	19.14	18.73	18.43	18.02	17.67	17.21	16.74	16.27	15.68

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.27	14.46	13.64	12.58	11.94	11.70	11.47	11.41	11.41
45.0	16.15	15.57	14.51	13.52	12.52	11.88	11.70	11.47	11.41
90.0	15.68	14.81	13.64	12.64	12.00	11.76	11.59	11.41	11.41
135.0	16.27	15.51	14.69	13.40	12.41	11.94	11.82	11.59	11.41
180.0	18.26	17.26	16.39	15.63	14.51	13.52	12.29	11.82	11.65
225.0	17.38	16.33	15.68	14.69	13.40	12.58	11.88	11.70	11.53
270.0	17.09	16.68	16.04	15.45	14.34	13.17	12.11	11.76	11.59
315.0	15.86	15.39	15.04	13.99	13.11	12.23	11.82	11.65	11.47
360.0	15.27	14.46	13.64	12.58	11.94	11.70	11.47	11.41	11.41

Intensity data(cd)

C/γ(°)	90.0
0.0	11.41
45.0	11.35
90.0	11.41
135.0	11.41
180.0	11.53
225.0	11.41
270.0	11.47
315.0	11.41
360.0	11.41