NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:
LumCAT: 2-2680-L
Luminaire: 92.70.412.00
Report No: 2024305-B007
Ballast type: AC

Test No: 2024305-C007	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): 2715.82, Efficiency(%): 82.62% , Luminous Efficacy(lm/W): 149.14
Central intensity(cd): 6162.624, Maximum intensity(cd): 6162.624
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=36.8
[C90/270]Total=36.8
Field angle(10%Imax): [C0/180]Total=64.4
[C90/270]Total=64.4
Maximum s/h(1/2): C0_180=0.60 C90_270=0.60
Maximum s/h(1/4): C0_180=0.60 C90_270=0.60
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 82.62%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.198%

NT 2-2680-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6162.624	0.000	0	0.00%	0.00%
1.0	6152.822	5.893	5.893	0.18%	0.22%
2.0	6122.390	17.619	23.511	0.54%	0.87%
3.0	6071.110	29.163	52.674	0.89%	1.94%
4.0	5997.298	40.397	93.071	1.23%	3.43%
5.0	5893.713	51.155	144.225	1.56%	5.31%
6.0	5772.425	61.309	205.534	1.87%	7.57%
7.0	5635.848	70.811	276.345	2.15%	10.18%
8.0	5464.597	79.444	355.789	2.42%	13.10%
9.0	5288.078	87.145	442.933	2.65%	16.31%
10.0	5070.302	93.740	536.673	2.85%	19.76%
11.0	4869.496	99.319	635.992	3.02%	23.42%
12.0	4636.211	103.911	739.903	3.16%	27.24%
13.0	4407.607	107.327	847.23	3.27%	31.20%
14.0	4173.005	109.831	957.061	3.34%	35.24%
15.0	3924.504	111.166	1068.228	3.38%	39.33%
16.0	3671.760	111.307	1179.534	3.39%	43.43%
17.0	3436.353	110.692	1290.227	3.37%	47.51%
18.0	3189.535	109.247	1399.473	3.32%	51.53%
19.0	2939.132	106.626	1506.099	3.24%	55.46%
20.0	2689.460	103.019	1609.118	3.13%	59.25%
21.0	2455.151	98.787	1707.905	3.01%	62.89%
22.0	2208.405	93.716	1801.621	2.85%	66.34%
23.0	2008.478	88.482	1890.103	2.69%	69.60%
24.0	1806.794	83.416	1973.518	2.54%	72.67%
25.0	1585.704	77.138	2050.656	2.35%	75.51%
26.0	1371.094	69.796	2120.452	2.12%	78.08%
27.0	1254.049	64.225	2184.677	1.95%	80.44%
28.0	1138.650	60.578	2245.255	1.84%	82.67%
29.0	994.956	55.821	2301.076	1.70%	84.73%
30.0	872.519	50.421	2351.497	1.53%	86.59%
31.0	751.809	45.203	2396.7	1.38%	88.25%
32.0	639.549	39.861	2436.561	1.21%	89.72%
33.0	537.639	34.680	2471.241	1.06%	90.99%
34.0	449.116	29.862	2501.103	0.91%	92.09%
35.0	369.672	25.429	2526.532	0.77%	93.03%
36.0	298.743	21.282	2547.814	0.65%	93.81%
37.0	255.290	18.069	2565.884	0.55%	94.48%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	210.308	15.541	2581.425	0.47%	95.05%
39.0	156.087	12.506	2593.931	0.38%	95.51%
40.0	114.748	9.446	2603.377	0.29%	95.86%
41.0	90.293	7.301	2610.678	0.22%	96.13%
42.0	73.256	5.942	2616.62	0.18%	96.35%
43.0	61.668	4.998	2621.618	0.15%	96.53%
44.0	53.197	4.335	2625.953	0.13%	96.69%
45.0	46.913	3.847	2629.801	0.12%	96.83%
46.0	42.180	3.484	2633.285	0.11%	96.96%
47.0	38.691	3.216	2636.501	0.10%	97.08%
48.0	35.538	3.001	2639.502	0.09%	97.19%
49.0	32.941	2.812	2642.314	0.09%	97.29%
50.0	30.936	2.663	2644.978	0.08%	97.39%
51.0	29.181	2.543	2647.521	0.08%	97.49%
52.0	27.520	2.433	2649.954	0.07%	97.57%
53.0	26.167	2.335	2652.289	0.07%	97.66%
54.0	24.996	2.255	2654.545	0.07%	97.74%
55.0	23.921	2.184	2656.728	0.07%	97.82%
56.0	23.043	2.122	2658.85	0.06%	97.90%
57.0	22.239	2.070	2660.921	0.06%	97.98%
58.0	21.544	2.025	2662.945	0.06%	98.05%
59.0	20.944	1.986	2664.932	0.06%	98.13%
60.0	20.417	1.954	2666.886	0.06%	98.20%
61.0	19.971	1.927	2668.813	0.06%	98.27%
62.0	19.568	1.905	2670.718	0.06%	98.34%
63.0	19.203	1.886	2672.604	0.06%	98.41%
64.0	18.852	1.867	2674.471	0.06%	98.48%
65.0	18.537	1.850	2676.322	0.06%	98.55%
66.0	18.244	1.835	2678.157	0.06%	98.61%
67.0	18.069	1.826	2679.983	0.06%	98.68%
68.0	17.864	1.820	2681.803	0.06%	98.75%
69.0	17.659	1.812	2683.615	0.06%	98.81%
70.0	17.506	1.806	2685.421	0.05%	98.88%
71.0	17.345	1.801	2687.222	0.05%	98.95%
72.0	17.008	1.786	2689.009	0.05%	99.01%
73.0	16.737	1.765	2690.773	0.05%	99.08%
74.0	16.416	1.743	2692.516	0.05%	99.14%
75.0	16.042	1.715	2694.231	0.05%	99.21%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.582	1.679	2695.91	0.05%	99.27%
77.0	15.216	1.642	2697.552	0.05%	99.33%
78.0	14.799	1.607	2699.159	0.05%	99.39%
79.0	14.367	1.567	2700.726	0.05%	99.44%
80.0	13.972	1.528	2702.253	0.05%	99.50%
81.0	13.548	1.488	2703.742	0.05%	99.56%
82.0	13.168	1.449	2705.19	0.04%	99.61%
83.0	12.875	1.416	2706.606	0.04%	99.66%
84.0	12.590	1.387	2707.993	0.04%	99.71%
85.0	12.348	1.361	2709.354	0.04%	99.76%
86.0	12.092	1.336	2710.69	0.04%	99.81%
87.0	11.822	1.309	2711.999	0.04%	99.86%
88.0	11.653	1.286	2713.285	0.04%	99.91%
89.0	11.558	1.272	2714.557	0.04%	99.95%
90.0	11.485	1.263	2715.821	0.04%	100.00%

Zonal flux distribution table

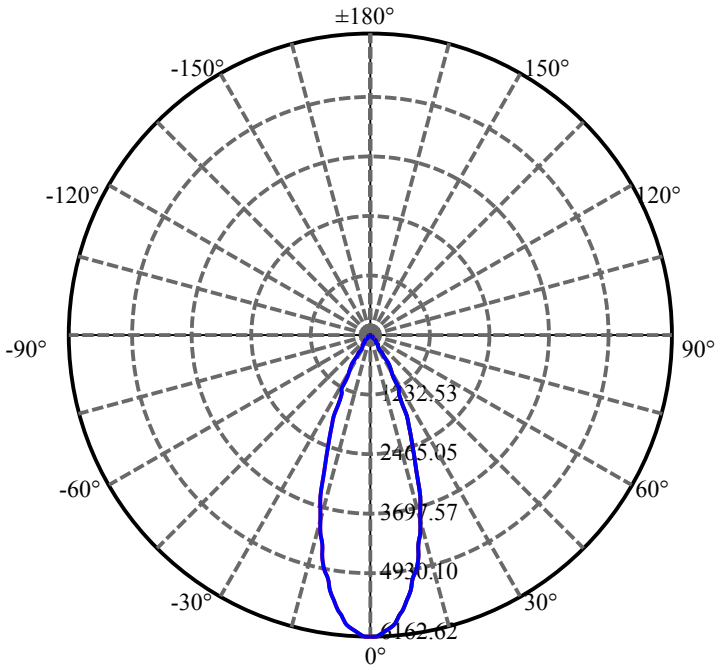
ZONAL LUMEN SUMMARY

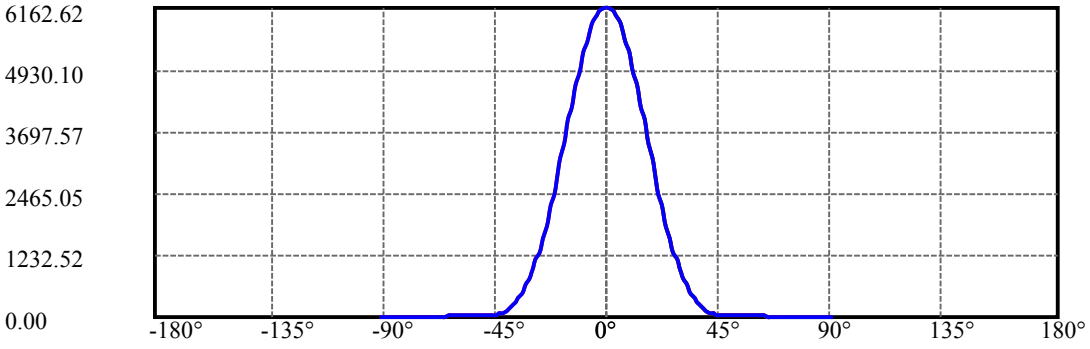
Zone	Lumens	%Lamp	%Fixt
0-30	2351.50	71.54%	86.59%
0-40	2603.38	79.20%	95.86%
0-60	2666.89	81.13%	98.20%
0-90	2714.56	82.58%	99.95%
0-120	2714.56	82.58%	99.95%
0-180	2715.82	82.62%	100.00%
60-90	47.67	1.45%	1.76%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.81	2172.66	66.10%	80.00%

ZONAL LUMEN SUMMARY

0-10	536.67
10-20	1072.45
20-30	742.38
30-40	251.88
40-50	41.60
50-60	21.91
60-70	18.54
70-80	16.83
80-90	12.30
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):

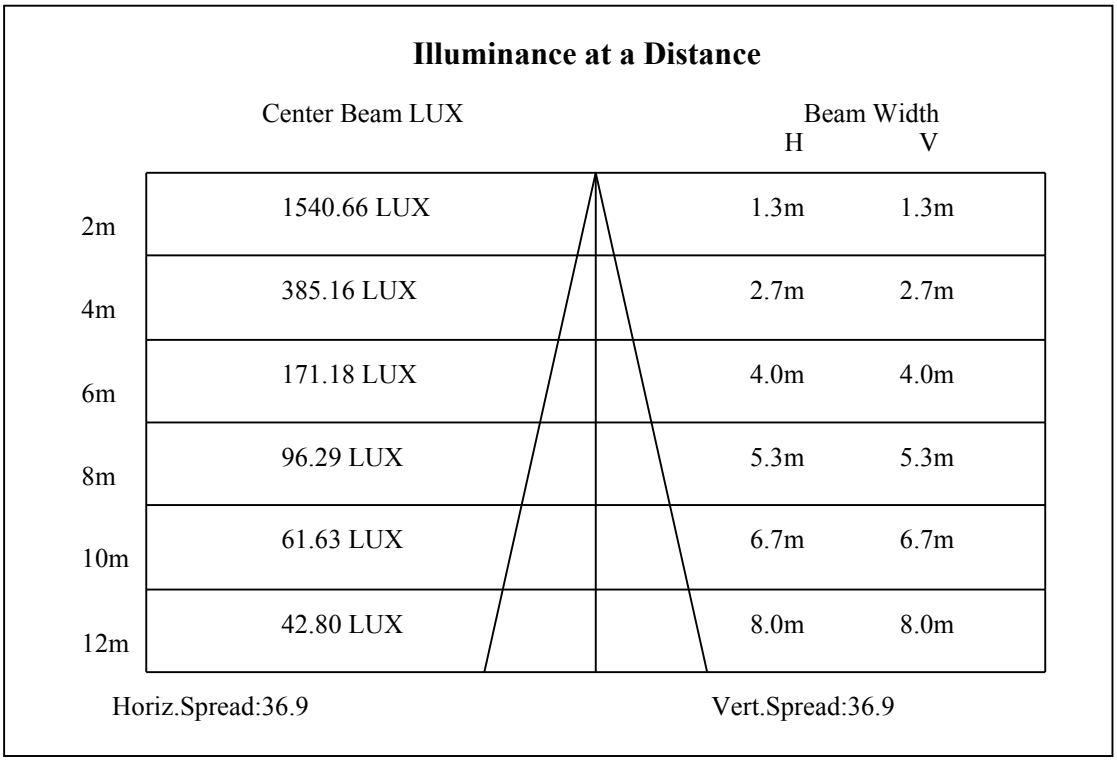
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:32.2 Right:32.2
:C90/270Left:32.2 Right:32.2

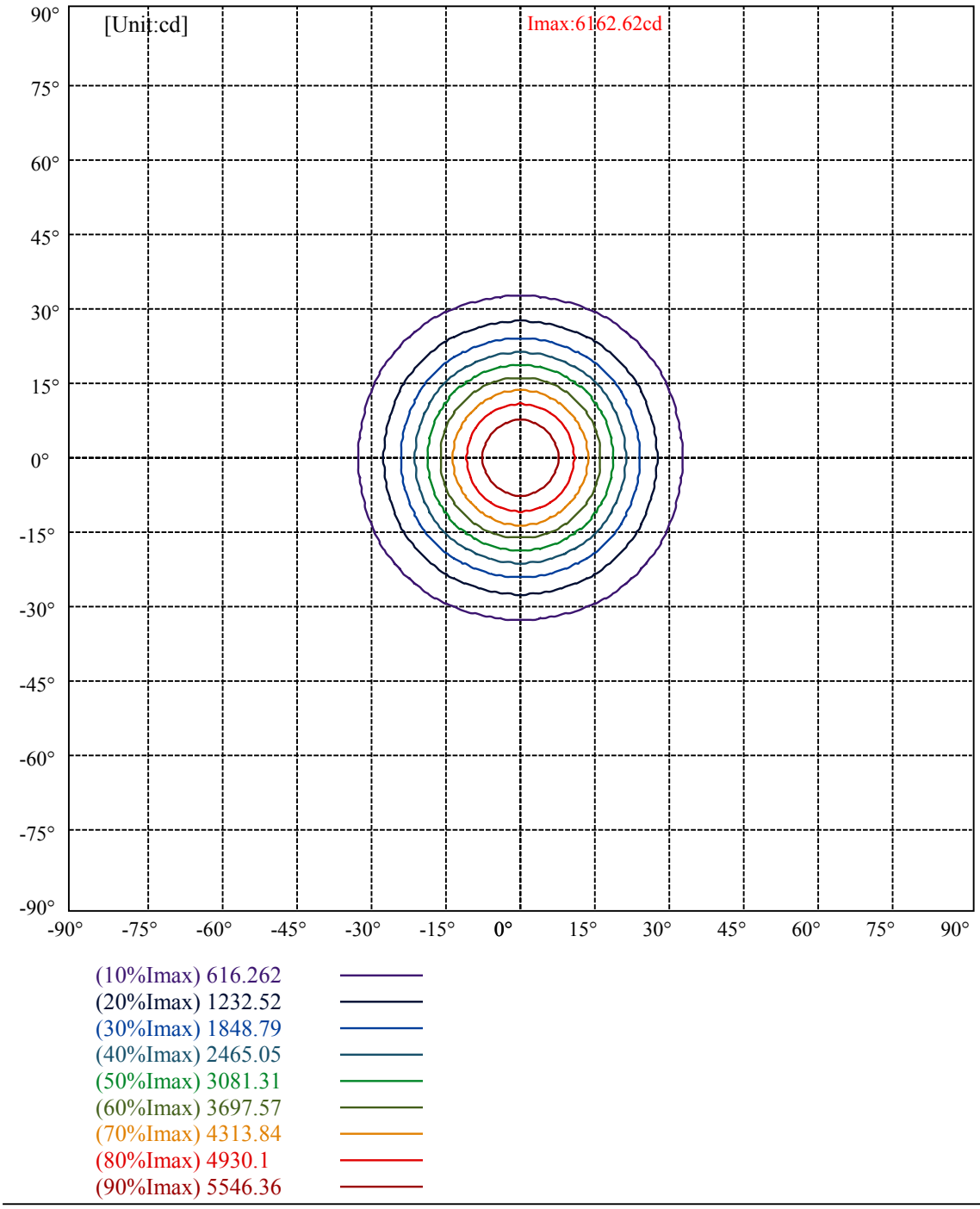
Beam Angle(50%Imax):C0/180Left:18.4 Right:18.4
:C90/270Left:18.4 Right:18.4

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)

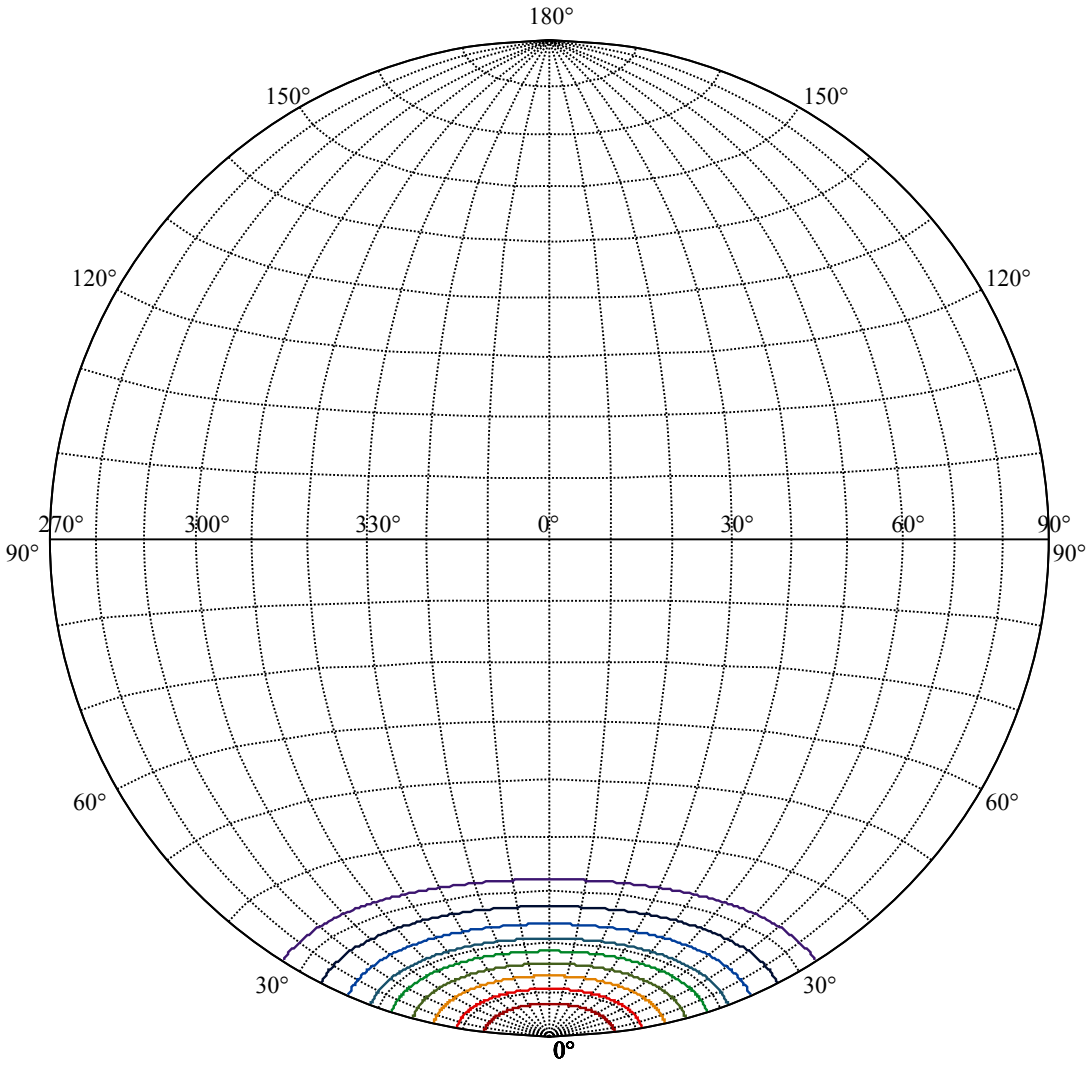


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



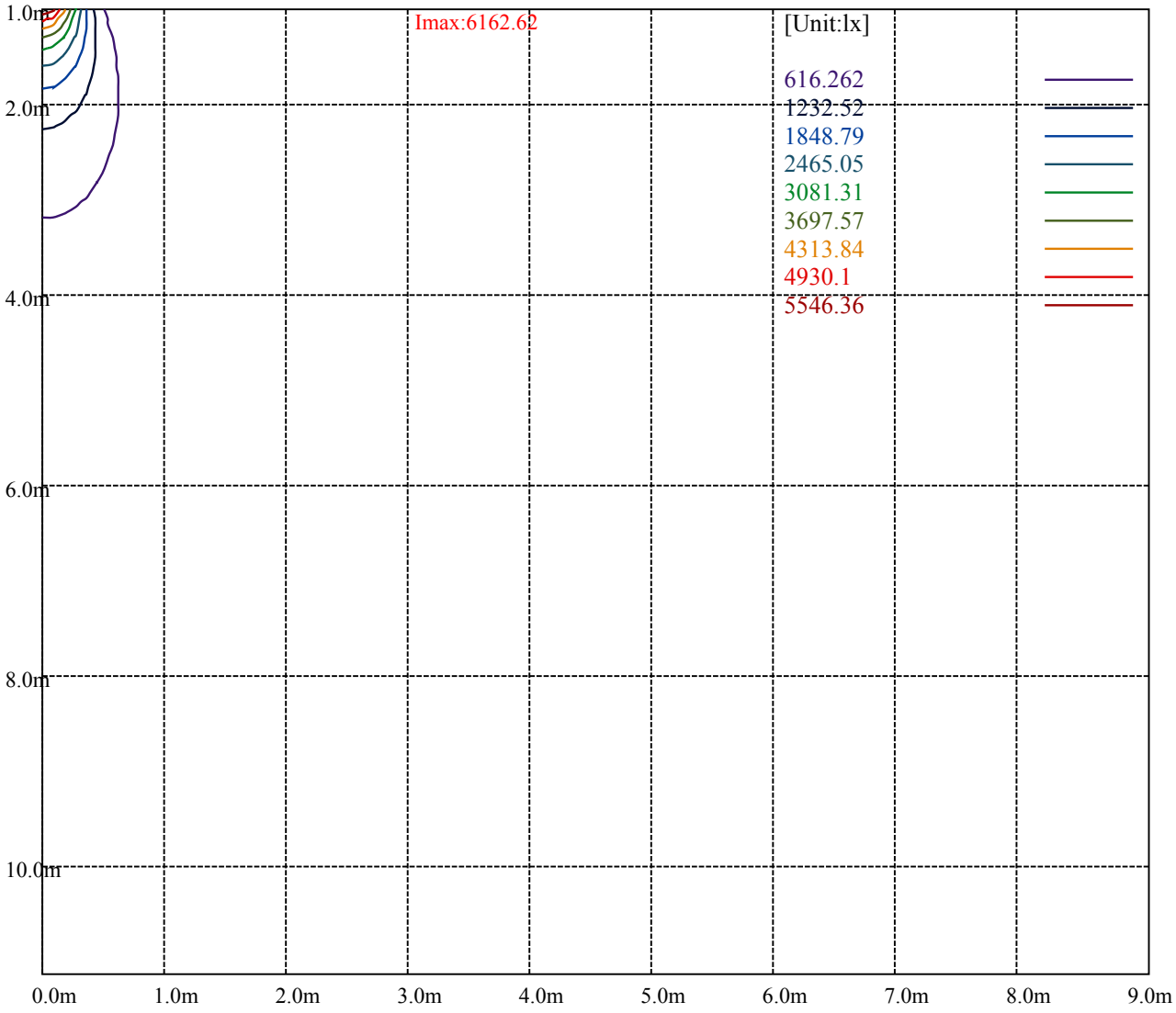
House [Unit:cd] Road

Imax:6162.62

(10%Imax) 616.262
(20%Imax) 1232.52
(30%Imax) 1848.79
(40%Imax) 2465.05
(50%Imax) 3081.31
(60%Imax) 3697.57
(70%Imax) 4313.84
(80%Imax) 4930.1
(90%Imax) 5546.36

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

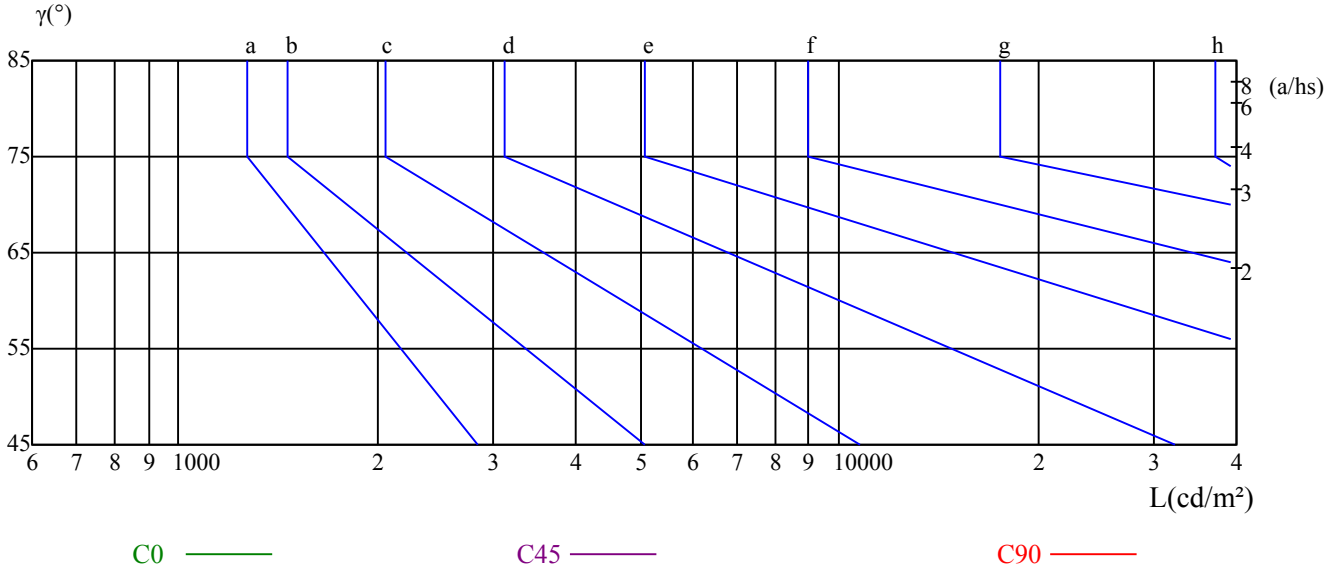
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

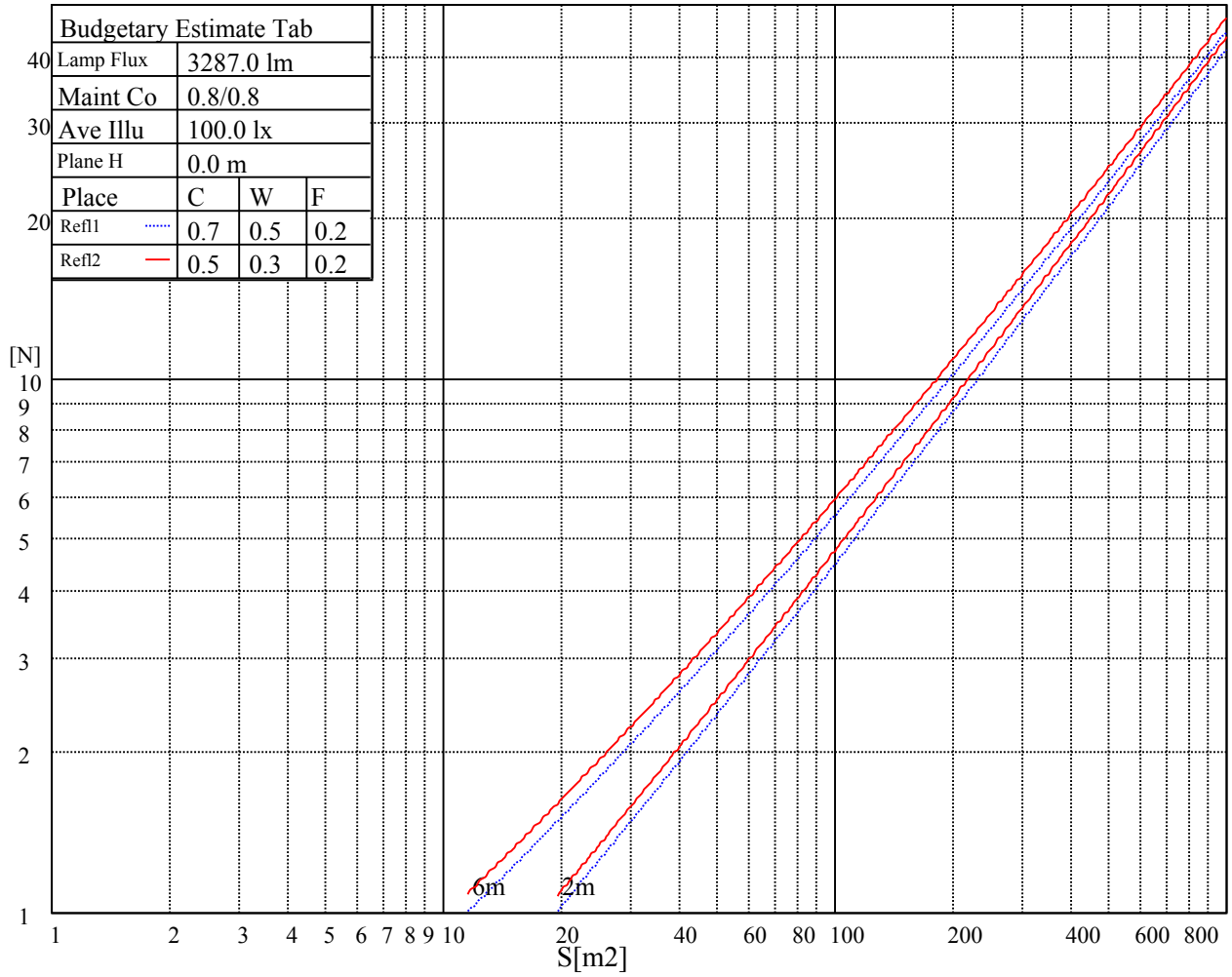
Luminance Limitting Curve



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

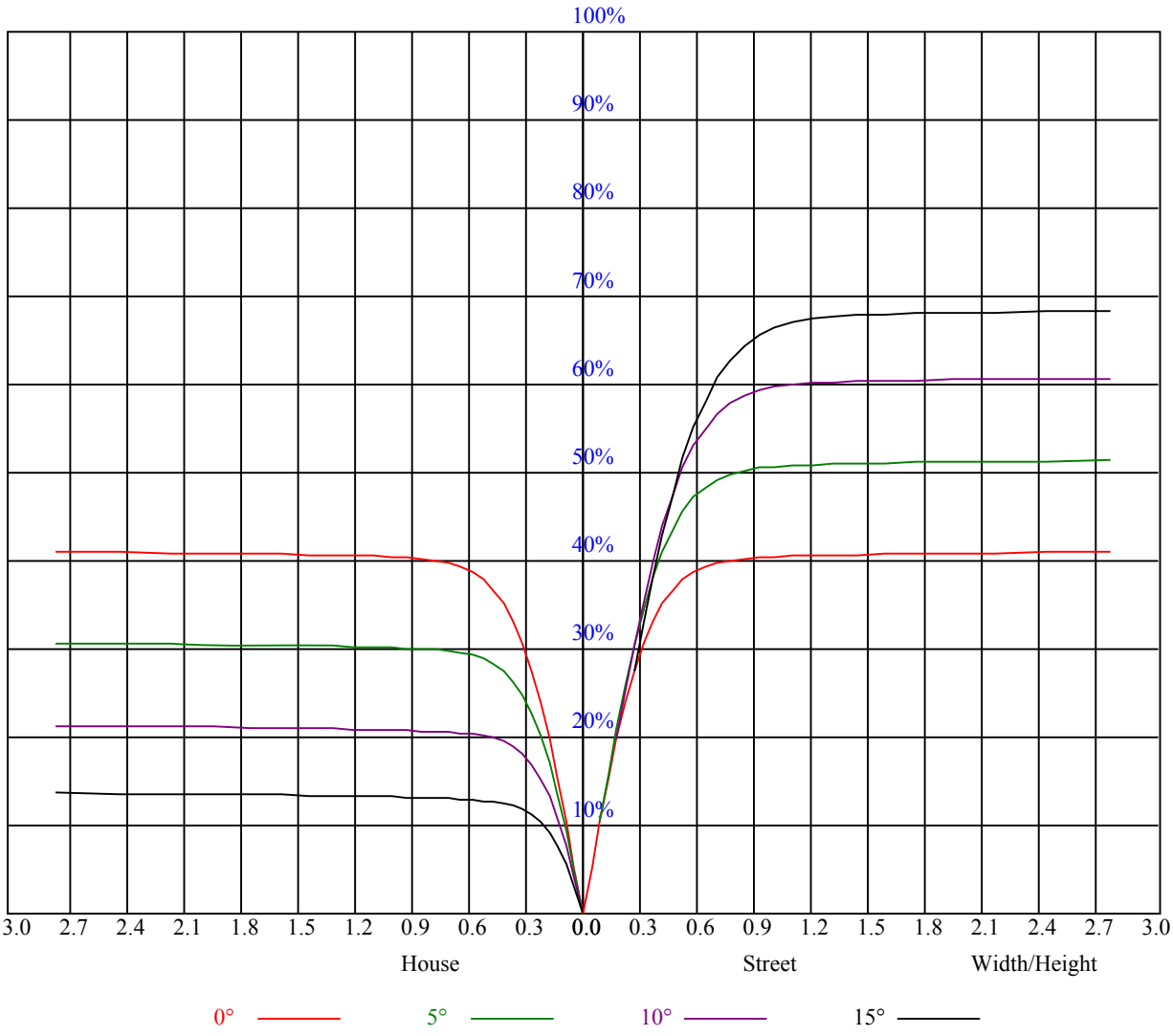


Equipment: GMS1980	Date: 2024/3/05	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

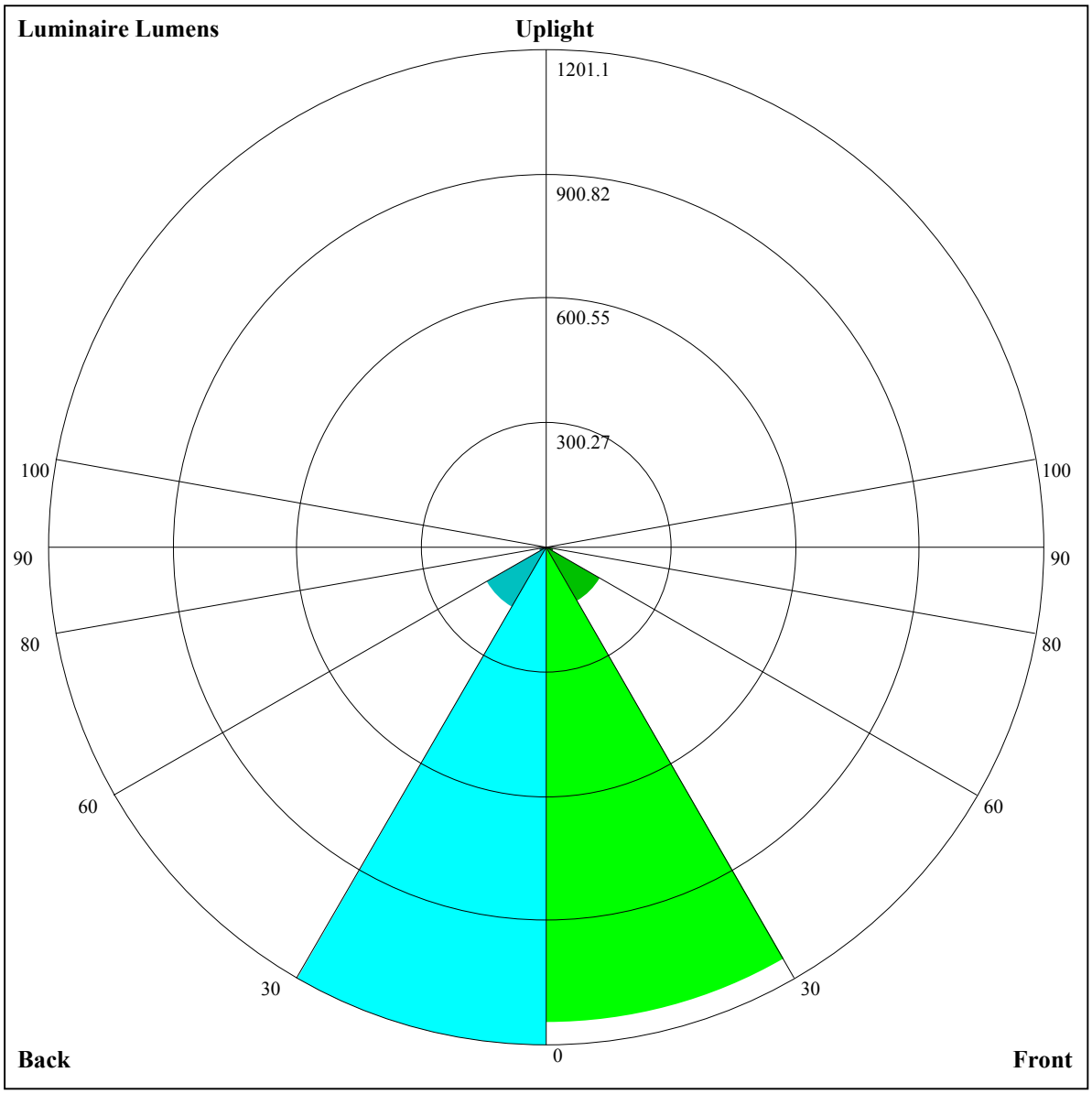
Utilization factor table for indoor luminaire

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	0.83
1	0.92	0.90	0.88	0.90	0.89	0.87	0.87	0.86	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.78
2	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.80	0.78	0.80	0.78	0.77	0.78	0.76	0.75	0.74
3	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.74	0.77	0.74	0.72	0.75	0.73	0.71	0.70
4	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.69	0.73	0.71	0.69	0.72	0.70	0.68	0.67
5	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.70	0.67	0.65	0.69	0.67	0.65	0.63
6	0.70	0.66	0.63	0.70	0.66	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.64	0.62	0.61
7	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.59	0.58
8	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.61	0.59	0.56	0.55
9	0.62	0.57	0.55	0.61	0.57	0.55	0.60	0.57	0.54	0.60	0.57	0.54	0.59	0.56	0.54	0.53
10	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.51

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=1149.67,FM=149.49,FH=17.3,FVH=6.76
BL=1201.1,BM=169.23,BH=18.1,BVH=6.84
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	6143.17	6109.22	6061.23	5955.89	5844.12	5697.81	5556.18	5394.08	5206.81
45.0	6174.77	6159.55	6124.44	6086.98	5992.76	5883.91	5771.55	5642.21	5452.01
90.0	6160.72	6123.85	6070.01	5987.50	5883.91	5765.11	5594.22	5449.67	5267.08
135.0	6171.84	6153.11	6119.17	6076.45	5993.35	5878.06	5761.01	5630.51	5436.80
180.0	6143.17	6168.92	6162.48	6140.24	6095.76	6037.82	5955.89	5842.36	5719.46
225.0	6174.77	6165.99	6135.56	6090.50	6038.41	5933.07	5809.59	5644.55	5480.11
270.0	6160.72	6175.94	6170.09	6142.58	6099.27	6045.43	5940.68	5823.63	5655.09
315.0	6171.84	6165.99	6136.14	6088.74	6030.80	5908.49	5790.27	5659.77	5499.42
360.0	6143.17	6109.22	6061.23	5955.89	5844.12	5697.81	5556.18	5394.08	5206.81

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5012.51	4757.94	4548.43	4324.87	4042.79	3815.73	3586.32	3295.46	3066.64
45.0	5276.45	5035.92	4839.28	4634.46	4371.10	4142.87	3916.38	3627.28	3396.12
90.0	5083.91	4839.87	4640.31	4373.44	4150.47	3922.82	3634.89	3407.24	3182.51
135.0	5268.84	5082.15	4883.76	4633.28	4422.60	4202.56	3912.87	3685.22	3456.98
180.0	5532.78	5373.01	5179.88	4936.43	4732.77	4523.85	4255.81	4025.82	3794.66
225.0	5303.37	5055.82	4844.55	4637.38	4426.70	4153.99	3922.24	3691.66	3462.83
270.0	5499.42	5332.04	5135.99	4872.06	4654.35	4437.82	4217.78	3924.58	3695.75
315.0	5327.36	5085.66	4883.76	4677.76	4460.06	4184.42	3949.74	3716.82	3435.33
360.0	5012.51	4757.94	4548.43	4324.87	4042.79	3815.73	3586.32	3295.46	3066.64

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2841.91	2561.00	2343.88	2130.86	1883.31	1697.21	1522.81	1144.58	1144.58
45.0	3169.64	2947.25	2664.59	2441.03	2233.86	2030.79	1796.11	1625.23	1461.37
90.0	2901.60	2670.44	2448.05	2230.35	1975.78	1792.60	1618.21	1459.02	1142.01
135.0	3170.81	2946.67	2662.83	2438.69	2225.08	2023.77	1831.81	1615.28	1453.76
180.0	3515.51	3288.44	3049.08	2808.55	2525.30	2309.94	2105.11	1860.49	1687.26
225.0	3236.35	2943.16	2713.75	2432.25	2216.89	2013.23	1779.14	1604.75	1337.30
270.0	3475.71	3245.72	2950.76	2707.31	2422.30	2215.72	2010.31	1762.76	1587.77
315.0	3204.75	2910.38	2682.73	2452.15	2184.70	1984.56	1790.85	1613.52	1154.71
360.0	2841.91	2561.00	2343.88	2130.86	1883.31	1697.21	1522.81	1144.58	1144.58

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1044.57	919.45	805.39	671.72	574.75	487.02	393.74	326.09	251.00
45.0	1274.09	1140.08	984.41	869.12	762.02	633.86	540.81	457.70	383.38
90.0	1142.01	989.32	875.73	767.35	641.17	546.83	460.98	386.60	303.26
135.0	1307.45	1168.17	1013.08	898.38	790.11	663.70	568.90	461.80	389.23
180.0	1527.50	1377.09	1203.28	1074.53	952.80	811.18	703.50	581.77	491.65
225.0	1158.75	1126.68	998.98	876.37	735.51	631.46	537.53	452.79	362.49
270.0	1423.33	1267.66	1093.26	962.17	839.86	727.49	596.99	506.86	426.69
315.0	1154.71	1120.76	985.52	860.51	718.25	614.84	498.67	419.31	349.67
360.0	1044.57	919.45	805.39	671.72	574.75	487.02	393.74	326.09	251.00

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	200.73	159.24	118.80	95.74	78.65	66.13	55.36	49.22	44.48
45.0	296.77	296.77	224.14	143.03	112.77	86.03	71.05	60.16	51.09
90.0	244.86	195.29	153.86	114.65	91.76	75.08	60.51	52.61	46.70
135.0	323.10	307.89	236.43	154.62	122.31	92.76	76.02	63.56	55.01
180.0	413.23	328.37	297.35	297.35	166.09	122.84	97.21	78.83	65.43
225.0	297.88	240.94	182.59	144.90	108.79	88.02	72.92	61.92	52.61
270.0	342.42	296.18	296.18	169.77	135.60	109.03	84.39	70.40	60.22
315.0	270.96	217.65	173.11	128.63	102.00	82.46	68.59	56.65	50.04
360.0	200.73	159.24	118.80	95.74	78.65	66.13	55.36	49.22	44.48

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	40.79	36.93	34.41	32.30	29.96	28.44	26.69	25.57	24.52
45.0	45.82	40.91	37.81	35.11	32.36	30.49	28.79	27.39	25.87
90.0	41.43	38.10	35.41	32.54	30.61	28.97	27.62	26.04	24.93
135.0	47.23	42.72	39.09	35.35	32.89	30.37	28.68	27.15	25.81
180.0	56.12	48.11	43.54	39.09	36.28	33.88	31.78	29.55	28.03
225.0	47.34	43.13	39.74	36.23	33.88	31.89	30.08	28.21	26.92
270.0	51.44	46.35	42.31	38.98	35.58	33.30	31.37	29.61	27.80
315.0	45.12	41.20	37.22	34.70	31.95	30.14	28.44	26.63	25.46
360.0	40.79	36.93	34.41	32.30	29.96	28.44	26.69	25.57	24.52

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	23.64	22.65	21.95	21.30	20.78	20.25	19.84	19.49	19.20
45.0	24.81	23.94	23.06	22.18	21.48	20.95	20.37	19.96	19.66
90.0	23.99	23.12	22.18	21.48	20.83	20.25	19.78	19.43	19.14
135.0	24.40	23.47	22.59	21.77	21.01	20.42	19.90	19.49	18.96
180.0	26.69	25.28	24.29	23.41	22.59	21.77	21.19	20.66	20.13
225.0	25.52	24.52	23.70	22.77	22.12	21.54	21.07	20.54	20.07
270.0	26.51	25.16	24.17	23.29	22.47	21.83	21.24	20.72	20.25
315.0	24.40	23.23	22.41	21.71	21.07	20.54	19.96	19.49	19.14
360.0	23.64	22.65	21.95	21.30	20.78	20.25	19.84	19.49	19.20

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.73	18.43	18.14	17.73	17.38	16.91	16.62	16.33	15.92
45.0	19.31	18.96	18.61	18.20	17.91	17.67	17.44	17.15	16.62
90.0	18.79	18.38	18.14	17.73	17.44	17.03	16.74	16.44	16.09
135.0	18.67	18.26	17.91	17.62	17.26	16.91	16.68	16.33	15.92
180.0	19.72	19.37	19.02	18.67	18.32	17.97	17.62	17.32	16.91
225.0	19.78	19.43	19.14	19.37	20.25	20.95	21.30	22.06	23.23
270.0	19.90	19.49	19.20	18.84	18.49	18.26	18.08	17.97	17.91
315.0	18.73	18.49	18.14	17.79	17.50	17.21	16.80	16.44	16.15
360.0	18.73	18.43	18.14	17.73	17.38	16.91	16.62	16.33	15.92

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.68	15.33	15.04	14.75	14.40	14.16	13.93	13.58	13.23
45.0	16.15	15.92	15.51	15.27	14.92	14.69	14.40	14.10	13.75
90.0	15.80	15.51	15.16	14.86	14.51	14.34	13.99	13.69	13.40
135.0	15.68	15.45	15.16	14.75	14.46	14.28	13.93	13.69	13.46
180.0	16.50	16.27	15.98	15.63	15.39	15.04	14.69	14.40	14.16
225.0	22.71	22.00	21.19	20.31	19.02	17.97	17.21	16.15	15.39
270.0	17.79	17.91	18.08	17.79	17.32	16.91	16.15	15.45	14.86
315.0	15.74	15.51	15.22	14.98	14.63	14.34	14.10	13.87	13.52
360.0	15.68	15.33	15.04	14.75	14.40	14.16	13.93	13.58	13.23

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.99	12.76	12.52	12.35	12.06	11.88	11.65	11.53	11.47
45.0	13.40	12.99	12.70	12.52	12.35	11.94	11.76	11.59	11.53
90.0	13.11	12.82	12.52	12.29	12.00	11.82	11.65	11.53	11.47
135.0	13.11	12.87	12.58	12.41	12.17	12.00	11.76	11.59	11.47
180.0	13.81	13.58	13.23	12.93	12.70	12.41	12.06	11.82	11.65
225.0	14.40	13.46	13.11	12.70	12.47	12.23	11.82	11.70	11.65
270.0	14.34	13.87	13.58	12.93	12.64	12.35	12.00	11.76	11.59
315.0	13.23	12.99	12.76	12.58	12.41	12.11	11.88	11.70	11.65
360.0	12.99	12.76	12.52	12.35	12.06	11.88	11.65	11.53	11.47

Intensity data(cd)

C/γ(°)	90.0
0.0	11.53
45.0	11.47
90.0	11.47
135.0	11.47
180.0	11.59
225.0	11.47
270.0	11.41
315.0	11.47
360.0	11.53