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

NT

Client:
LumCAT: 2-2680-L
Luminaire: 92.70.411.00
Report No: 2024330-B006
Ballast type: AC

Test No: 2024330-C006	Voltage(V): 34.060
LampCAT: LUMILEDS LUXEON 1208	Current(A): 0.576
Lamp flux(lm): 2850.0	Power (W): 19.618
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2355.43, Efficiency(%): 82.65% , Luminous Efficacy(lm/W): 120.07
Central intensity(cd): 5255.964, Maximum intensity(cd): 5255.964
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=37.2
[C90/270]Total=37.2
Field angle(10%Imax): [C0/180]Total=64.8
[C90/270]Total=64.8
Maximum s/h(1/2): C0_180=0.61 C90_270=0.61
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(%): 82.65%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.066%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5255.964	0.000	0	0.00%	0.00%
1.0	5245.284	5.025	5.025	0.18%	0.21%
2.0	5218.876	15.019	20.044	0.53%	0.85%
3.0	5171.838	24.851	44.895	0.87%	1.91%
4.0	5109.000	34.413	79.308	1.21%	3.37%
5.0	5024.069	43.592	122.9	1.53%	5.22%
6.0	4930.067	52.312	175.212	1.84%	7.44%
7.0	4817.704	60.504	235.716	2.12%	10.01%
8.0	4683.248	67.997	303.713	2.39%	12.89%
9.0	4526.408	74.639	378.352	2.62%	16.06%
10.0	4363.935	80.454	458.806	2.82%	19.48%
11.0	4199.121	85.563	544.369	3.00%	23.11%
12.0	4004.607	89.678	634.047	3.15%	26.92%
13.0	3812.068	92.764	726.811	3.25%	30.86%
14.0	3614.335	95.057	821.869	3.34%	34.89%
15.0	3404.312	96.355	918.224	3.38%	38.98%
16.0	3187.413	96.587	1014.811	3.39%	43.08%
17.0	2970.149	95.890	1110.701	3.36%	47.15%
18.0	2750.762	94.325	1205.026	3.31%	51.16%
19.0	2534.010	91.944	1296.97	3.23%	55.06%
20.0	2327.645	88.982	1385.952	3.12%	58.84%
21.0	2099.553	85.011	1470.963	2.98%	62.45%
22.0	1889.531	80.162	1551.126	2.81%	65.85%
23.0	1715.499	75.643	1626.769	2.65%	69.06%
24.0	1531.965	71.001	1697.77	2.49%	72.08%
25.0	1377.598	66.157	1763.927	2.32%	74.89%
26.0	1220.041	61.318	1825.245	2.15%	77.49%
27.0	1122.352	57.307	1882.552	2.01%	79.92%
28.0	1001.115	53.762	1936.314	1.89%	82.21%
29.0	871.371	48.990	1985.303	1.72%	84.29%
30.0	761.100	44.076	2029.38	1.55%	86.16%
31.0	653.148	39.356	2068.736	1.38%	87.83%
32.0	562.445	34.825	2103.561	1.22%	89.31%
33.0	470.148	30.421	2133.982	1.07%	90.60%
34.0	388.268	25.978	2159.96	0.91%	91.70%
35.0	321.632	22.047	2182.007	0.77%	92.64%
36.0	272.305	18.911	2200.918	0.66%	93.44%
37.0	201.917	15.466	2216.385	0.54%	94.10%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	148.464	11.695	2228.08	0.41%	94.59%
39.0	104.090	8.620	2236.7	0.30%	94.96%
40.0	86.372	6.643	2243.343	0.23%	95.24%
41.0	75.699	5.771	2249.114	0.20%	95.49%
42.0	68.120	5.225	2254.339	0.18%	95.71%
43.0	62.173	4.826	2259.166	0.17%	95.91%
44.0	57.250	4.507	2263.673	0.16%	96.10%
45.0	52.700	4.225	2267.899	0.15%	96.28%
46.0	48.603	3.962	2271.86	0.14%	96.45%
47.0	45.048	3.725	2275.585	0.13%	96.61%
48.0	41.748	3.509	2279.094	0.12%	96.76%
49.0	38.939	3.313	2282.407	0.12%	96.90%
50.0	36.160	3.131	2285.538	0.11%	97.03%
51.0	33.746	2.958	2288.496	0.10%	97.16%
52.0	31.602	2.804	2291.3	0.10%	97.28%
53.0	29.751	2.669	2293.969	0.09%	97.39%
54.0	28.032	2.547	2296.516	0.09%	97.50%
55.0	26.467	2.433	2298.949	0.09%	97.60%
56.0	25.209	2.335	2301.284	0.08%	97.70%
57.0	24.060	2.253	2303.536	0.08%	97.80%
58.0	23.029	2.178	2305.714	0.08%	97.89%
59.0	22.122	2.111	2307.825	0.07%	97.98%
60.0	21.273	2.050	2309.875	0.07%	98.07%
61.0	20.607	1.999	2311.873	0.07%	98.15%
62.0	19.920	1.953	2313.826	0.07%	98.23%
63.0	19.342	1.909	2315.736	0.07%	98.31%
64.0	18.786	1.871	2317.607	0.07%	98.39%
65.0	18.288	1.835	2319.441	0.06%	98.47%
66.0	17.849	1.803	2321.244	0.06%	98.55%
67.0	17.440	1.774	2323.019	0.06%	98.62%
68.0	17.052	1.747	2324.766	0.06%	98.70%
69.0	16.803	1.727	2326.493	0.06%	98.77%
70.0	16.562	1.714	2328.207	0.06%	98.84%
71.0	16.277	1.697	2329.904	0.06%	98.92%
72.0	15.889	1.673	2331.576	0.06%	98.99%
73.0	15.508	1.642	2333.218	0.06%	99.06%
74.0	15.091	1.609	2334.827	0.06%	99.13%
75.0	14.572	1.567	2336.394	0.05%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.170	1.526	2337.92	0.05%	99.26%
77.0	13.672	1.484	2339.405	0.05%	99.32%
78.0	13.241	1.441	2340.845	0.05%	99.38%
79.0	12.853	1.402	2342.247	0.05%	99.44%
80.0	12.429	1.363	2343.61	0.05%	99.50%
81.0	11.990	1.321	2344.931	0.05%	99.55%
82.0	11.595	1.279	2346.21	0.04%	99.61%
83.0	11.258	1.242	2347.452	0.04%	99.66%
84.0	10.980	1.212	2348.663	0.04%	99.71%
85.0	10.717	1.184	2349.848	0.04%	99.76%
86.0	10.432	1.156	2351.004	0.04%	99.81%
87.0	10.219	1.130	2352.134	0.04%	99.86%
88.0	10.066	1.111	2353.245	0.04%	99.91%
89.0	9.971	1.098	2354.343	0.04%	99.95%
90.0	9.934	1.091	2355.435	0.04%	100.00%

Zonal flux distribution table

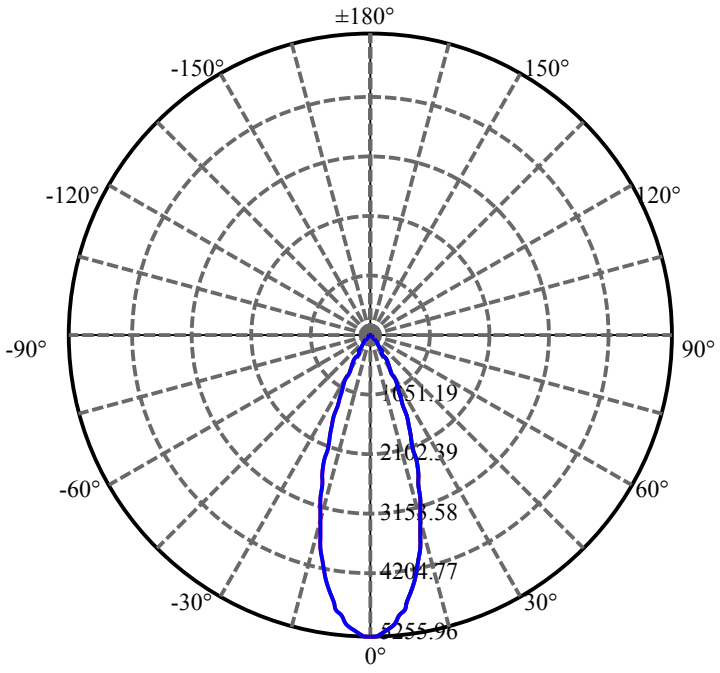
ZONAL LUMEN SUMMARY

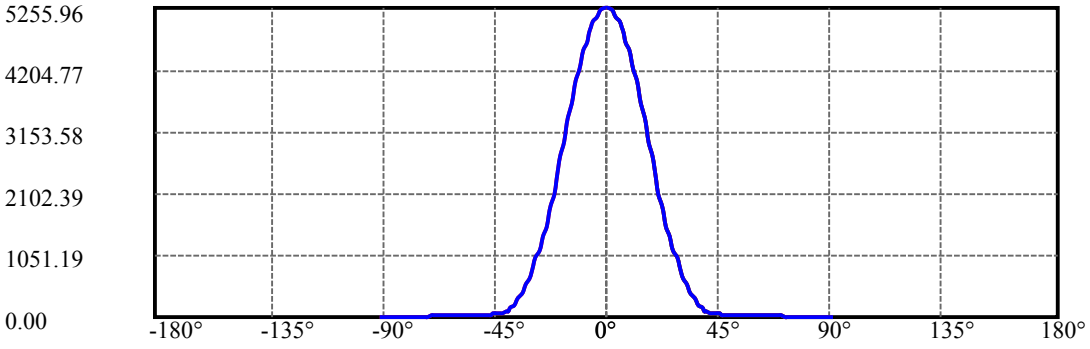
Zone	Lumens	%Lamp	%Fixt
0-30	2029.38	71.21%	86.16%
0-40	2243.34	78.71%	95.24%
0-60	2309.87	81.05%	98.07%
0-90	2354.34	82.61%	99.95%
0-120	2354.34	82.61%	99.95%
0-180	2355.43	82.65%	100.00%
60-90	44.47	1.56%	1.89%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.03	1884.35	66.12%	80.00%

ZONAL LUMEN SUMMARY

0-10	458.81
10-20	927.15
20-30	643.43
30-40	213.96
40-50	42.20
50-60	24.34
60-70	18.33
70-80	15.40
80-90	10.73
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):

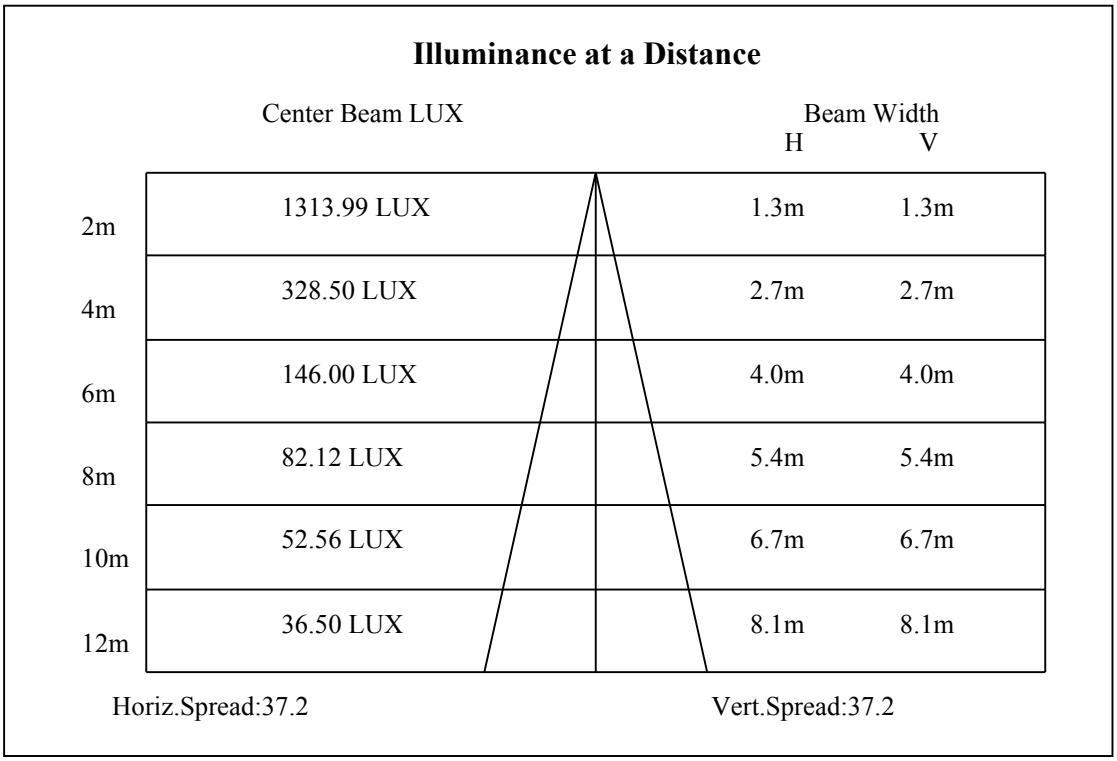
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:32.4 Right:32.4
:C90/270Left:32.4 Right:32.4

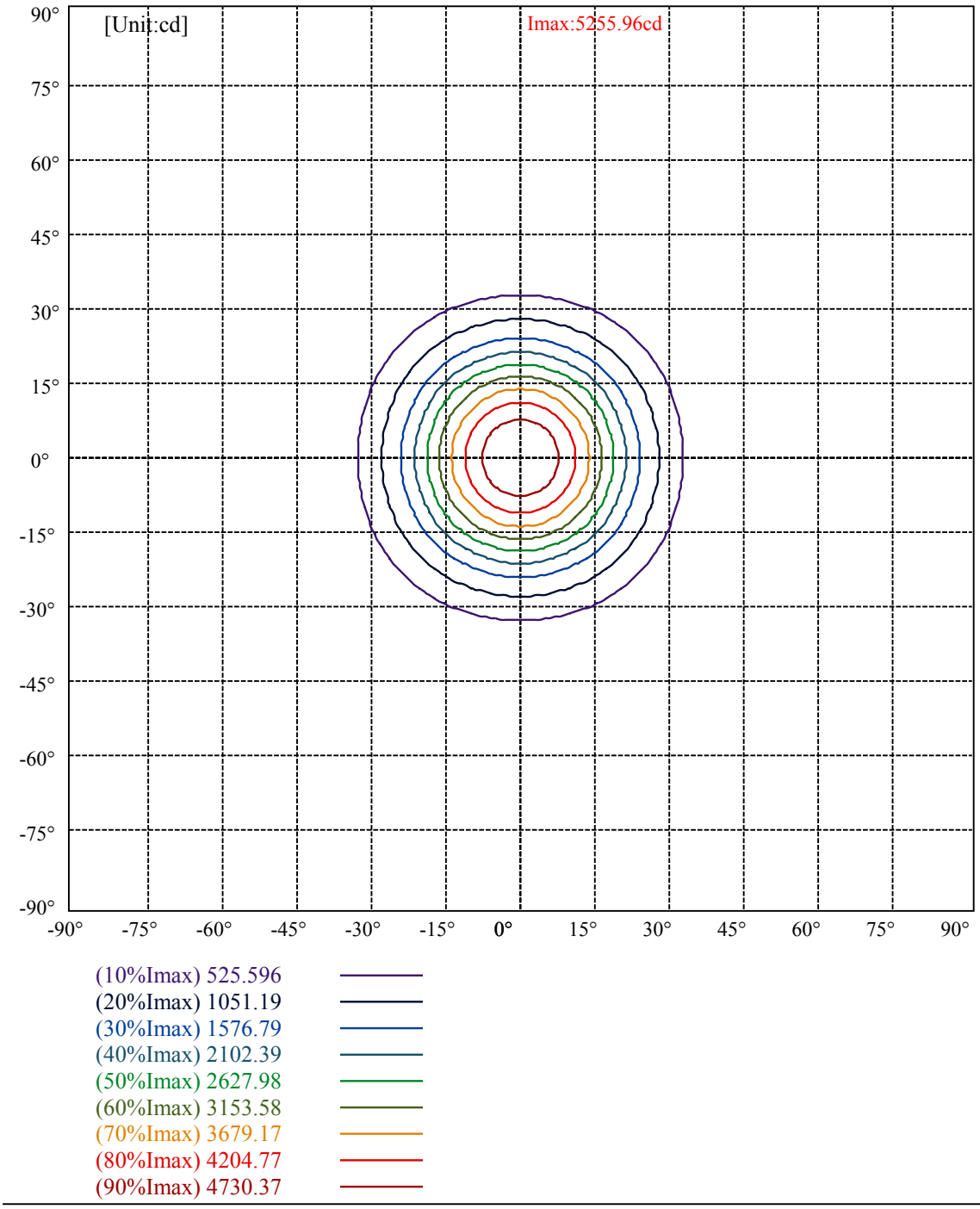
Beam Angle(50%Imax):C0/180Left:18.6 Right:18.6
:C90/270Left:18.6 Right:18.6

Lux distance Curve



Equipment: GMS1980 Date: 2024/3/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)



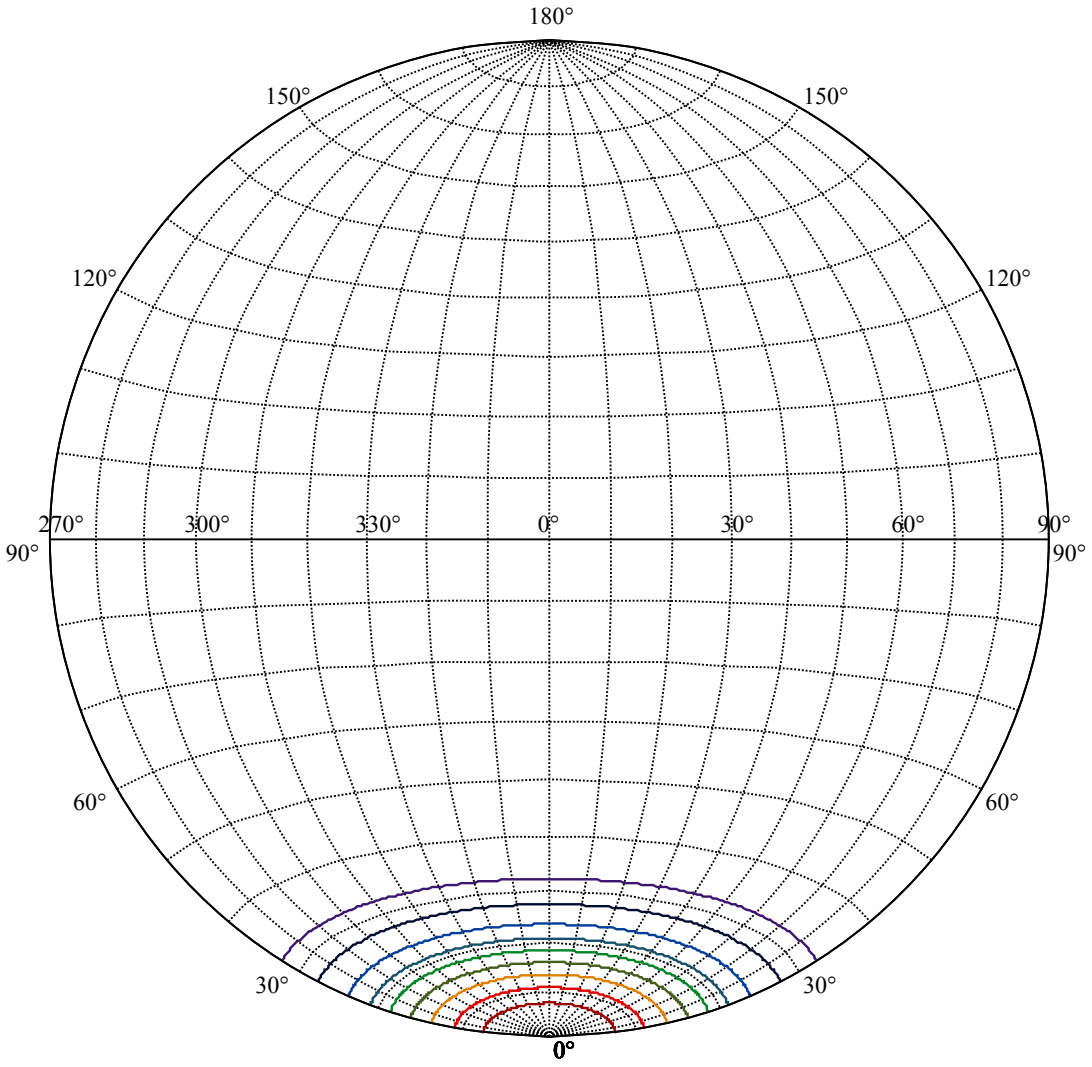
(10%Imax) 525.596
(20%Imax) 1051.19
(30%Imax) 1576.79
(40%Imax) 2102.39
(50%Imax) 2627.98
(60%Imax) 3153.58
(70%Imax) 3679.17
(80%Imax) 4204.77
(90%Imax) 4730.37

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/30
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



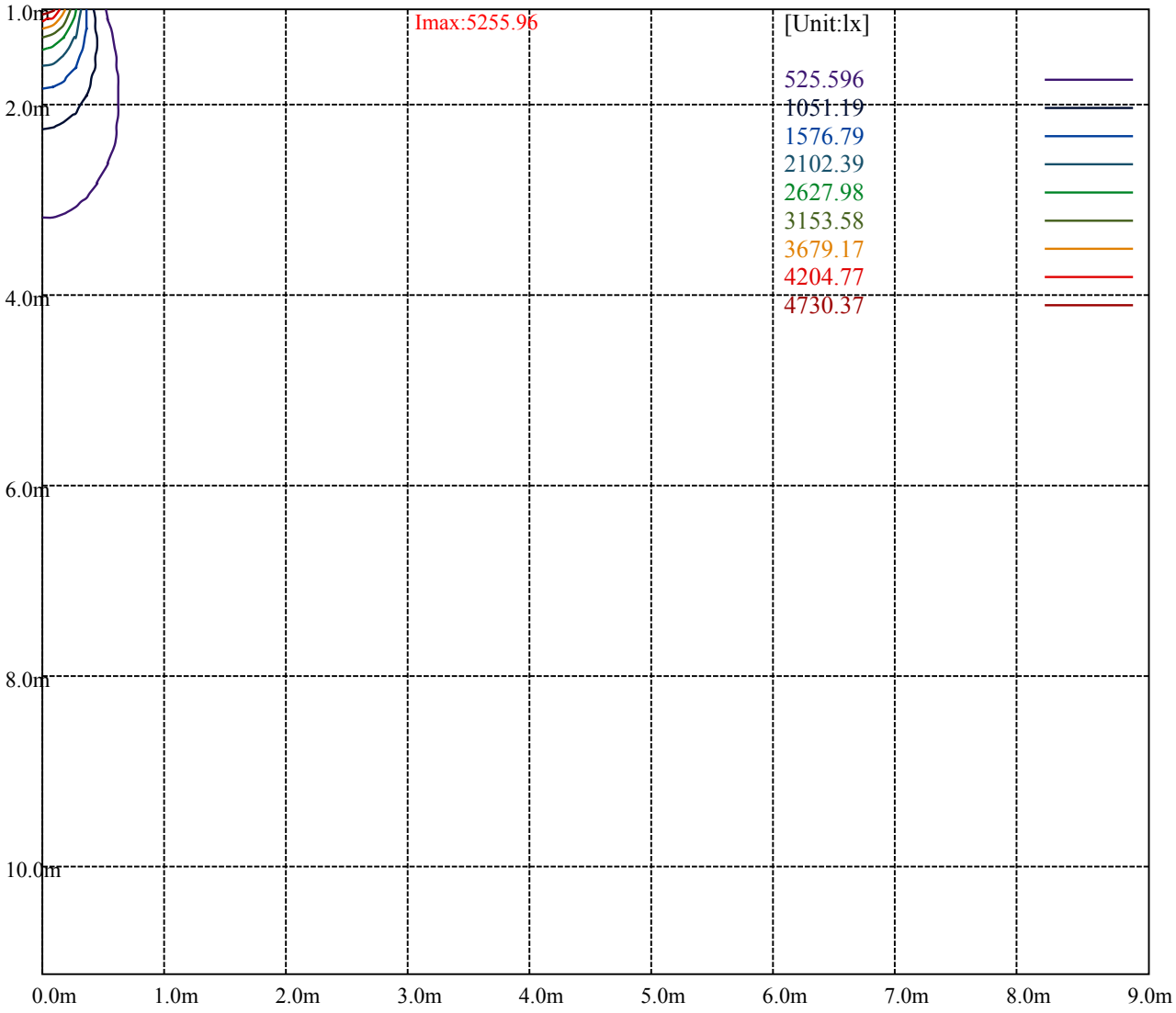
House [Unit:cd] Road

Imax:5255.96

(10%Imax) 525.596
(20%Imax) 1051.19
(30%Imax) 1576.79
(40%Imax) 2102.39
(50%Imax) 2627.98
(60%Imax) 3153.58
(70%Imax) 3679.17
(80%Imax) 4204.77
(90%Imax) 4730.37

Equipment: GMS1980 Date: 2024/3/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/30
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

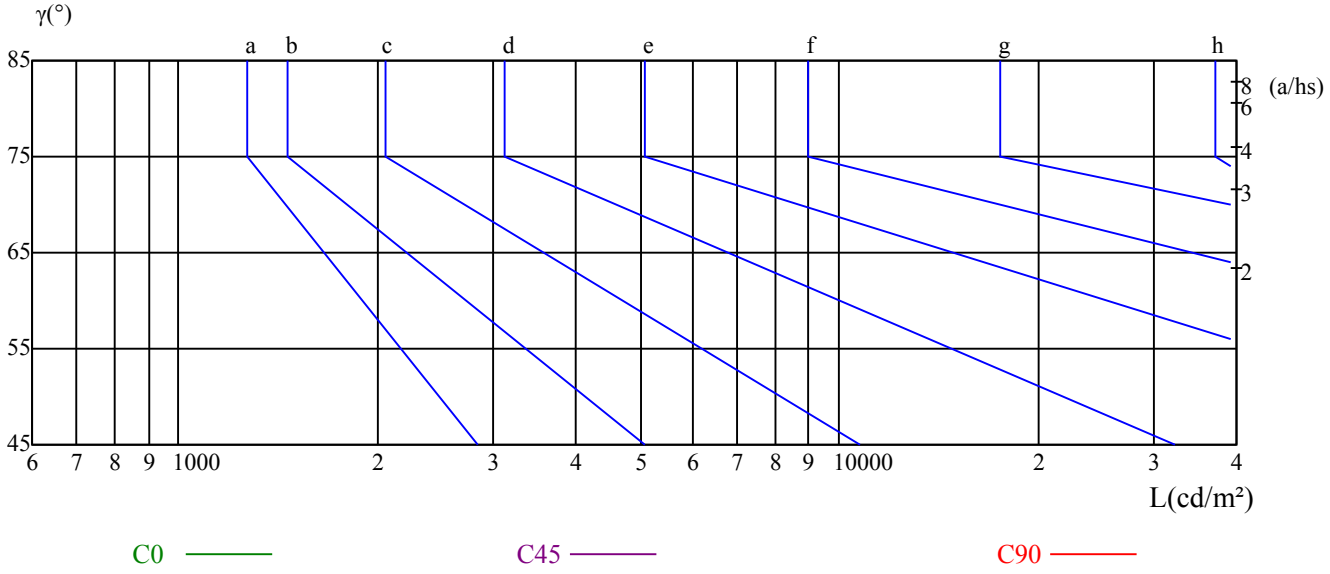
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

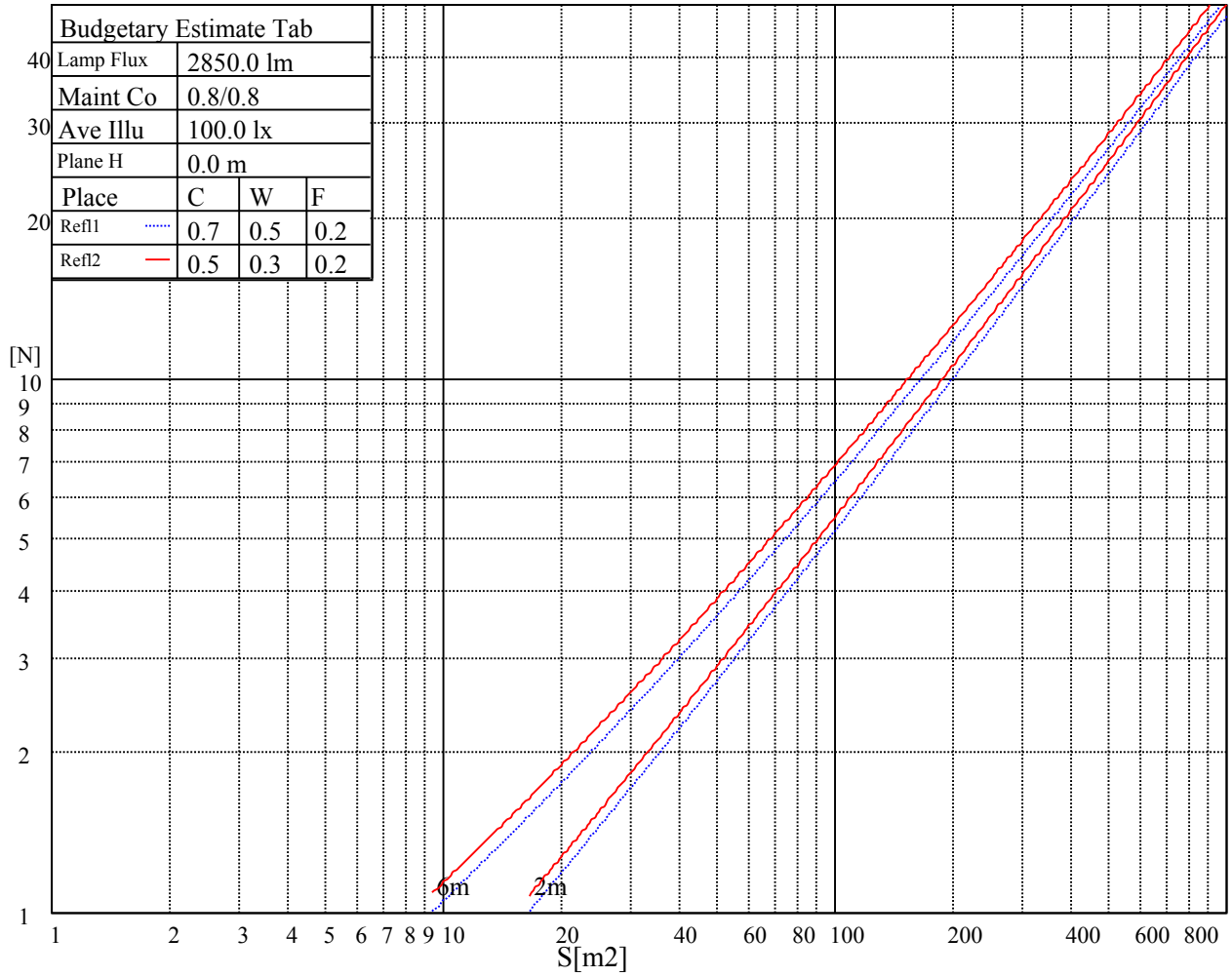
Luminance Limitting Curve



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

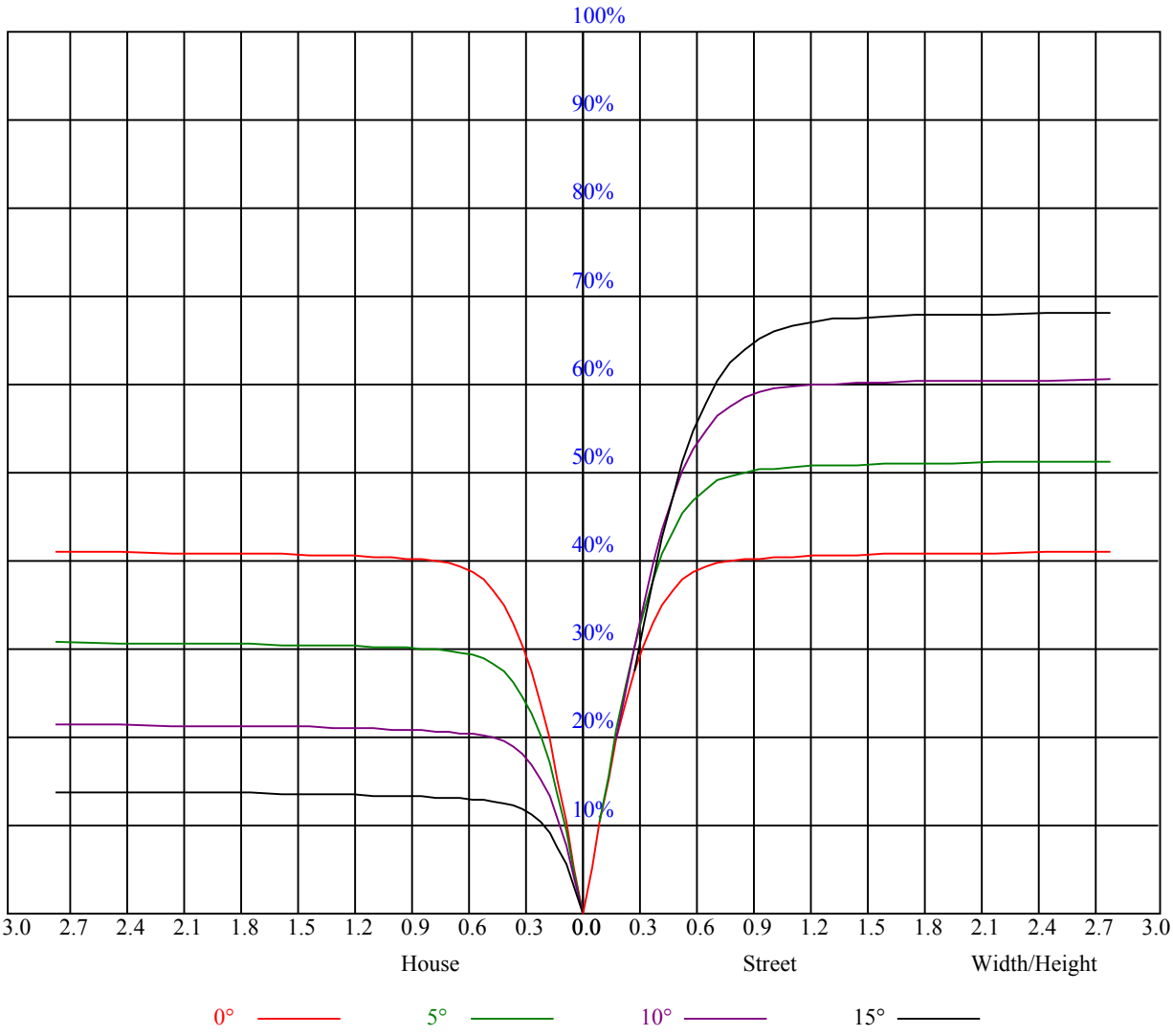


Equipment: GMS1980 Date: 2024/3/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

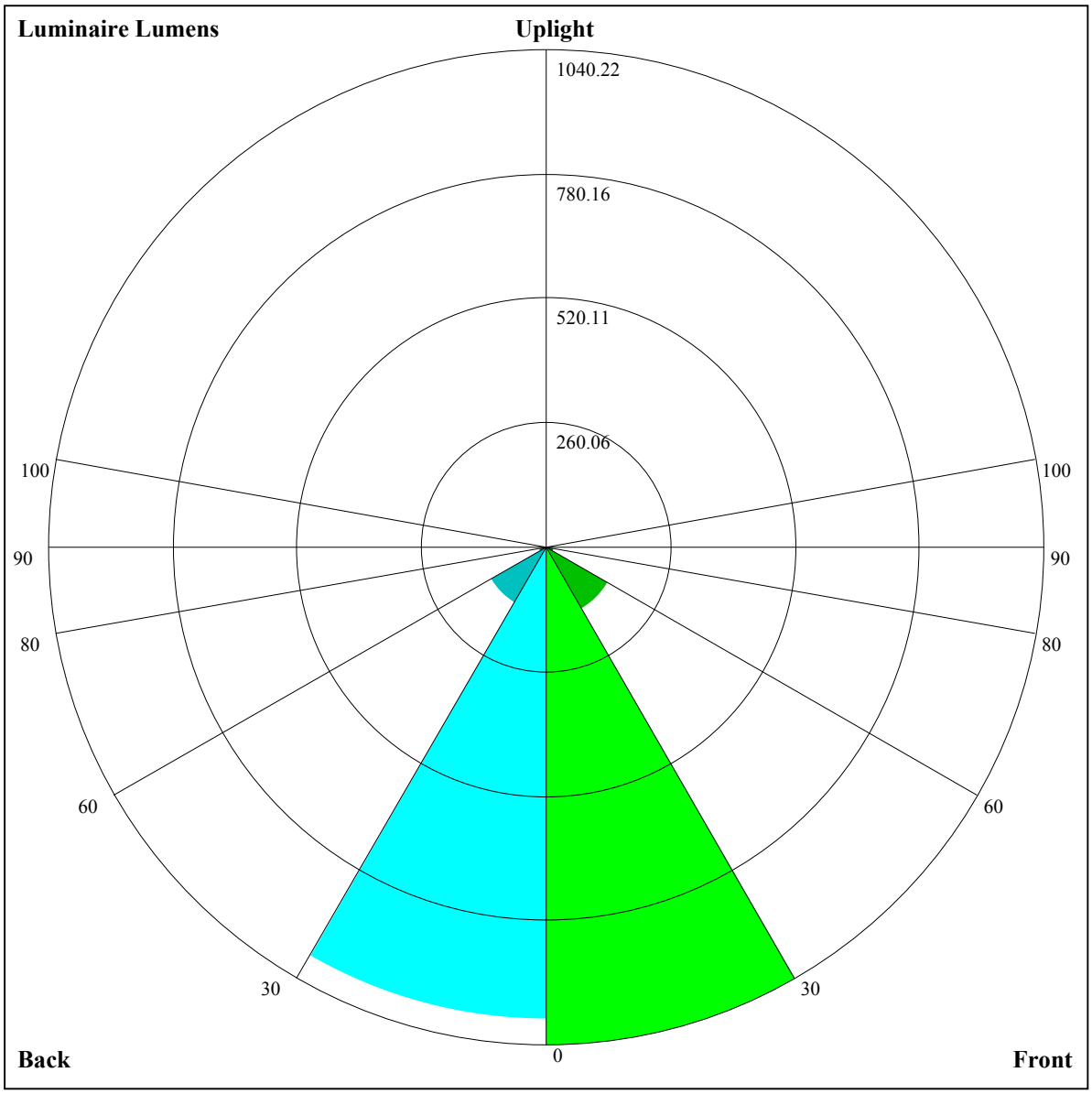
Utilization factor table for indoor luminaire

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	0.83	0.81	0.85	0.82	0.80	0.82	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	0.78	0.76	0.73	0.76	0.74	0.72	0.75	0.73	0.71	0.70
4	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.69	0.73	0.70	0.68	0.72	0.69	0.68	0.66
5	0.74	0.69	0.66	0.73	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
6	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.63	0.61	0.60
7	0.67	0.63	0.60	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.58
8	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.55
9	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	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	0.54	0.52	0.57	0.54	0.52	0.57	0.54	0.52	0.51

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/30	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1040.22,FM=148.37,FH=17.2,FVH=5.98
BL=988.75,BM=134.37,BH=16.99,BVH=5.9
UL=0,UH=0

BUG Rating:B2-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	5265.91	5269.42	5252.45	5220.27	5176.37	5093.86	5016.61	4922.39	4808.27
45.0	5241.33	5262.99	5264.16	5246.02	5210.32	5162.33	5099.71	5024.22	4906.00
90.0	5260.06	5246.02	5215.00	5169.35	5108.49	5035.92	4924.14	4818.22	4697.66
135.0	5256.55	5251.87	5230.21	5193.35	5117.85	5045.87	4961.01	4858.01	4712.29
180.0	5265.91	5237.24	5199.20	5141.85	5052.89	4964.52	4861.52	4743.31	4609.88
225.0	5241.33	5198.03	5142.43	5068.69	4987.35	4860.94	4739.80	4563.06	4407.39
270.0	5260.06	5250.70	5229.04	5176.37	5119.02	5028.31	4933.51	4824.65	4666.64
315.0	5256.55	5246.02	5218.51	5158.82	5099.71	5000.81	4904.24	4787.78	4657.86
360.0	5265.91	5269.42	5252.45	5220.27	5176.37	5093.86	5016.61	4922.39	4808.27

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4649.67	4499.27	4336.58	4163.35	3932.77	3748.42	3554.72	3305.41	3104.09
45.0	4797.15	4639.72	4493.42	4338.92	4126.48	3946.82	3759.54	3519.60	3321.80
90.0	4526.77	4376.37	4213.09	3997.73	3815.14	3633.14	3397.29	3198.31	2994.65
135.0	4578.86	4435.48	4278.05	4072.05	3895.32	3713.31	3475.71	3280.83	3030.35
180.0	4424.36	4261.67	4094.29	3871.32	3688.15	3498.53	3255.67	3055.52	2819.67
225.0	4240.60	4023.48	3844.40	3661.81	3472.20	3234.01	3038.55	2837.23	2631.82
270.0	4523.85	4367.59	4197.88	3973.74	3792.32	3603.29	3409.58	3158.52	2970.08
315.0	4470.01	4307.90	4135.26	3957.94	3774.17	3537.16	3343.45	3143.89	2888.73
360.0	4649.67	4499.27	4336.58	4163.35	3932.77	3748.42	3554.72	3305.41	3104.09

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2901.60	2647.03	2443.37	2239.71	1989.24	1800.21	1631.08	1487.70	1163.25
45.0	3120.48	2917.41	2716.67	2462.69	2263.12	2068.24	1835.32	1666.78	1518.13
90.0	2741.84	2539.35	2337.45	2136.71	1894.43	1714.18	1556.76	1419.81	1135.86
135.0	2830.21	2625.96	2420.55	2171.24	1976.36	1792.02	1590.70	1450.25	1323.25
180.0	2600.21	2400.07	2207.53	1964.07	1771.53	1602.40	1468.39	1314.47	1188.65
225.0	2372.56	2171.83	1974.61	1742.86	1583.09	1445.56	1164.13	1164.13	1040.53
270.0	2757.05	2545.20	2298.82	2052.44	1845.86	1675.56	1528.67	1362.46	1235.47
315.0	2682.14	2425.23	2222.16	2026.69	1792.60	1625.81	1480.68	1155.18	1155.18
360.0	2901.60	2647.03	2443.37	2239.71	1989.24	1800.21	1631.08	1487.70	1163.25

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1163.25	1065.81	912.95	800.53	698.88	608.28	496.62	418.20	347.86
45.0	1353.10	1224.93	1095.60	942.86	831.08	726.91	609.28	524.42	443.07
90.0	1135.86	986.63	873.39	768.17	652.53	565.27	485.33	389.64	320.06
135.0	1200.35	1072.19	925.88	818.79	699.40	612.79	529.69	433.71	361.73
180.0	1062.83	945.20	807.08	705.25	613.37	509.20	432.54	342.42	309.06
225.0	897.09	789.94	690.98	600.21	495.10	419.26	349.85	283.13	207.52
270.0	1107.89	989.67	846.88	739.20	640.88	550.17	448.93	375.77	308.47
315.0	1058.44	934.55	818.20	713.80	593.94	507.68	408.96	338.85	275.29
360.0	1163.25	1065.81	912.95	800.53	698.88	608.28	496.62	418.20	347.86

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	267.16	207.40	143.32	106.28	87.37	79.18	70.29	64.32	59.40
45.0	369.34	300.86	300.86	164.92	120.91	90.89	80.76	73.68	65.66
90.0	254.81	195.93	148.47	104.29	87.32	79.18	71.98	64.49	59.58
135.0	310.81	310.81	156.90	113.53	90.01	78.65	70.17	63.97	59.05
180.0	309.06	160.94	109.61	86.44	75.08	68.53	61.10	56.42	52.20
225.0	156.31	114.59	86.55	76.20	69.76	62.62	58.05	52.90	49.22
270.0	308.47	171.82	129.33	94.22	81.99	74.97	67.13	62.15	57.70
315.0	202.49	152.98	112.66	86.85	78.54	71.57	65.49	59.46	55.19
360.0	267.16	207.40	143.32	106.28	87.37	79.18	70.29	64.32	59.40

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	54.89	49.86	46.23	43.01	40.15	36.81	34.47	31.89	30.08
45.0	60.63	55.13	51.09	47.46	44.18	40.38	37.75	35.35	33.12
90.0	54.13	50.21	46.64	42.72	39.91	37.28	34.94	32.42	30.55
135.0	53.61	49.69	46.17	42.19	39.39	36.69	33.83	31.78	29.96
180.0	48.40	44.18	41.08	37.75	35.29	33.07	30.61	28.85	27.27
225.0	45.94	42.90	39.56	37.10	34.88	32.83	30.61	29.03	27.56
270.0	52.67	49.10	45.82	42.84	39.44	36.99	34.70	32.77	30.43
315.0	51.32	47.75	43.77	40.91	38.27	35.23	33.07	30.72	29.03
360.0	54.89	49.86	46.23	43.01	40.15	36.81	34.47	31.89	30.08

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.38	26.57	25.28	24.11	23.00	22.12	21.13	20.37	19.78
45.0	30.78	29.09	27.56	25.87	24.70	23.64	22.41	21.59	20.83
90.0	28.91	27.45	25.75	24.58	23.53	22.36	21.59	20.89	20.13
135.0	27.92	26.51	25.28	24.17	22.88	22.00	21.24	20.54	19.78
180.0	25.87	24.29	23.29	22.36	21.54	20.60	19.96	19.43	18.73
225.0	25.98	24.93	23.94	22.88	22.18	21.48	20.72	20.19	19.66
270.0	28.91	27.10	25.87	24.81	23.64	22.77	22.06	21.42	20.60
315.0	27.51	25.81	24.70	23.70	22.77	22.00	21.07	20.42	19.84
360.0	28.38	26.57	25.28	24.11	23.00	22.12	21.13	20.37	19.78

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.08	18.61	18.08	17.62	17.15	16.68	16.21	15.80	15.33
45.0	20.07	19.49	18.96	18.38	17.91	17.50	17.09	16.56	16.15
90.0	19.55	18.96	18.43	17.97	17.56	16.97	16.56	16.09	15.74
135.0	19.25	18.61	18.14	17.73	17.21	16.80	16.39	15.98	15.45
180.0	18.32	17.85	17.32	16.91	16.39	16.04	15.63	15.27	14.86
225.0	19.20	18.55	18.08	17.67	17.26	16.74	16.39	16.15	15.86
270.0	20.07	19.55	19.08	18.84	18.84	18.90	19.90	20.78	21.36
315.0	19.20	18.67	18.20	17.67	17.21	16.80	16.27	15.86	15.45
360.0	19.08	18.61	18.08	17.62	17.15	16.68	16.21	15.80	15.33

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.92	14.57	14.22	13.93	13.46	13.17	12.82	12.47	12.17
45.0	15.74	15.33	14.86	14.51	14.10	13.75	13.40	13.05	12.76
90.0	15.22	14.86	14.51	14.16	13.75	13.40	12.99	12.64	12.41
135.0	15.10	14.75	14.34	13.93	13.58	13.23	12.87	12.58	12.17
180.0	14.51	14.16	13.87	13.46	13.17	12.87	12.47	12.17	11.88
225.0	15.68	15.39	15.16	14.63	14.22	13.69	13.23	12.76	12.35
270.0	20.95	20.42	19.49	18.08	17.62	16.15	15.33	14.63	13.52
315.0	14.98	14.57	14.28	13.87	13.46	13.11	12.82	12.52	12.17
360.0	14.92	14.57	14.22	13.93	13.46	13.17	12.82	12.47	12.17

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.88	11.59	11.24	11.00	10.77	10.59	10.30	10.18	10.01
45.0	12.41	12.06	11.65	11.35	11.06	10.77	10.53	10.24	10.07
90.0	11.94	11.59	11.29	10.94	10.77	10.48	10.24	10.12	10.01
135.0	11.88	11.59	11.24	11.00	10.77	10.42	10.24	10.07	10.01
180.0	11.53	11.24	10.94	10.77	10.48	10.24	10.07	9.95	9.89
225.0	11.88	11.41	11.12	10.77	10.36	10.18	10.01	9.95	9.95
270.0	12.52	11.76	11.41	11.06	10.83	10.42	10.18	10.01	9.95
315.0	11.88	11.53	11.18	10.94	10.71	10.36	10.18	10.01	9.89
360.0	11.88	11.59	11.24	11.00	10.77	10.59	10.30	10.18	10.01

Intensity data(cd)

C/γ(°)	90.0
0.0	9.95
45.0	9.95
90.0	9.95
135.0	9.95
180.0	9.89
225.0	9.95
270.0	9.95
315.0	9.89
360.0	9.95