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NT

Client:
LumCAT: 2-2684-L
Luminaire: 92.70.411.00
Report No: 2024330-B014
Ballast type: AC

Test No: 2024330-C014	Voltage(V): 34.070
LampCAT: LUMILEDS LUXEON 1208	Current(A): 0.576
Lamp flux(lm): 2850.0	Power (W): 19.624
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2434.44, Efficiency(%): 85.42% , Luminous Efficacy(lm/W): 124.05
Central intensity(cd): 5541.408, Maximum intensity(cd): 5541.408
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=35.6
[C90/270]Total=35.6
Field angle(10%Imax): [C0/180]Total=66.0
[C90/270]Total=66.0
Maximum s/h(1/2): C0_180=0.58 C90_270=0.58
Maximum s/h(1/4): C0_180=0.59 C90_270=0.59
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.42%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.061%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5541.408	0.000	0	0.00%	0.00%
1.0	5526.777	5.296	5.296	0.19%	0.22%
2.0	5490.566	15.813	21.109	0.55%	0.87%
3.0	5426.996	26.111	47.22	0.92%	1.94%
4.0	5346.820	36.063	83.284	1.27%	3.42%
5.0	5244.552	45.564	128.847	1.60%	5.29%
6.0	5126.044	54.500	183.347	1.91%	7.53%
7.0	4989.102	62.785	246.132	2.20%	10.11%
8.0	4831.749	70.286	316.418	2.47%	13.00%
9.0	4653.768	76.875	393.293	2.70%	16.16%
10.0	4457.278	82.452	475.745	2.89%	19.54%
11.0	4259.253	87.096	562.841	3.06%	23.12%
12.0	4045.719	90.785	653.626	3.19%	26.85%
13.0	3821.212	93.361	746.987	3.28%	30.68%
14.0	3592.535	94.895	841.882	3.33%	34.58%
15.0	3371.540	95.606	937.488	3.35%	38.51%
16.0	3161.444	95.726	1033.214	3.36%	42.44%
17.0	2922.818	94.748	1127.963	3.32%	46.33%
18.0	2720.038	93.038	1221.001	3.26%	50.16%
19.0	2505.114	90.907	1311.908	3.19%	53.89%
20.0	2301.529	87.975	1399.883	3.09%	57.50%
21.0	2097.944	84.479	1484.362	2.96%	60.97%
22.0	1897.065	80.281	1564.643	2.82%	64.27%
23.0	1734.739	76.205	1640.848	2.67%	67.40%
24.0	1576.947	72.405	1713.254	2.54%	70.38%
25.0	1423.106	68.215	1781.468	2.39%	73.18%
26.0	1266.910	63.498	1844.966	2.23%	75.79%
27.0	1203.186	60.431	1905.398	2.12%	78.27%
28.0	1107.868	58.511	1963.909	2.05%	80.67%
29.0	998.767	55.116	2019.024	1.93%	82.94%
30.0	885.109	50.864	2069.889	1.78%	85.03%
31.0	765.335	45.929	2115.818	1.61%	86.91%
32.0	660.244	40.841	2156.659	1.43%	88.59%
33.0	555.210	35.808	2192.467	1.26%	90.06%
34.0	450.404	30.433	2222.9	1.07%	91.31%
35.0	362.254	25.238	2248.138	0.89%	92.35%
36.0	283.366	20.557	2268.695	0.72%	93.19%
37.0	243.241	17.175	2285.87	0.60%	93.90%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	165.904	13.657	2299.526	0.48%	94.46%
39.0	103.673	9.201	2308.728	0.32%	94.84%
40.0	81.083	6.444	2315.171	0.23%	95.10%
41.0	71.368	5.429	2320.6	0.19%	95.32%
42.0	65.618	4.977	2325.577	0.17%	95.53%
43.0	60.915	4.687	2330.264	0.16%	95.72%
44.0	57.030	4.452	2334.716	0.16%	95.90%
45.0	53.885	4.263	2338.978	0.15%	96.08%
46.0	50.973	4.101	2343.079	0.14%	96.25%
47.0	48.413	3.953	2347.032	0.14%	96.41%
48.0	45.962	3.815	2350.847	0.13%	96.57%
49.0	43.782	3.685	2354.532	0.13%	96.72%
50.0	41.558	3.558	2358.09	0.12%	96.86%
51.0	39.503	3.430	2361.52	0.12%	97.00%
52.0	37.593	3.308	2364.828	0.12%	97.14%
53.0	35.728	3.189	2368.018	0.11%	97.27%
54.0	34.045	3.075	2371.093	0.11%	97.40%
55.0	32.282	2.961	2374.054	0.10%	97.52%
56.0	30.724	2.847	2376.901	0.10%	97.64%
57.0	29.225	2.741	2379.642	0.10%	97.75%
58.0	27.754	2.635	2382.277	0.09%	97.86%
59.0	26.401	2.532	2384.809	0.09%	97.96%
60.0	25.113	2.434	2387.242	0.09%	98.06%
61.0	23.950	2.341	2389.584	0.08%	98.16%
62.0	22.875	2.256	2391.84	0.08%	98.25%
63.0	21.829	2.174	2394.014	0.08%	98.34%
64.0	20.863	2.095	2396.109	0.07%	98.43%
65.0	20.066	2.026	2398.135	0.07%	98.51%
66.0	19.269	1.963	2400.097	0.07%	98.59%
67.0	18.398	1.894	2401.991	0.07%	98.67%
68.0	17.754	1.831	2403.823	0.06%	98.74%
69.0	17.132	1.780	2405.602	0.06%	98.82%
70.0	16.511	1.728	2407.33	0.06%	98.89%
71.0	15.911	1.676	2409.006	0.06%	98.96%
72.0	15.406	1.628	2410.634	0.06%	99.02%
73.0	14.952	1.588	2412.222	0.06%	99.09%
74.0	14.492	1.548	2413.77	0.05%	99.15%
75.0	14.075	1.509	2415.279	0.05%	99.21%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.738	1.476	2416.756	0.05%	99.27%
77.0	13.380	1.446	2418.201	0.05%	99.33%
78.0	13.058	1.415	2419.617	0.05%	99.39%
79.0	12.773	1.388	2421.004	0.05%	99.45%
80.0	12.443	1.359	2422.364	0.05%	99.50%
81.0	12.136	1.329	2423.693	0.05%	99.56%
82.0	11.829	1.300	2424.993	0.05%	99.61%
83.0	11.566	1.272	2426.264	0.04%	99.66%
84.0	11.207	1.241	2427.505	0.04%	99.72%
85.0	10.885	1.206	2428.711	0.04%	99.76%
86.0	10.680	1.179	2429.89	0.04%	99.81%
87.0	10.483	1.158	2431.048	0.04%	99.86%
88.0	10.358	1.142	2432.189	0.04%	99.91%
89.0	10.205	1.127	2433.317	0.04%	99.95%
90.0	10.198	1.119	2434.435	0.04%	100.00%

Zonal flux distribution table

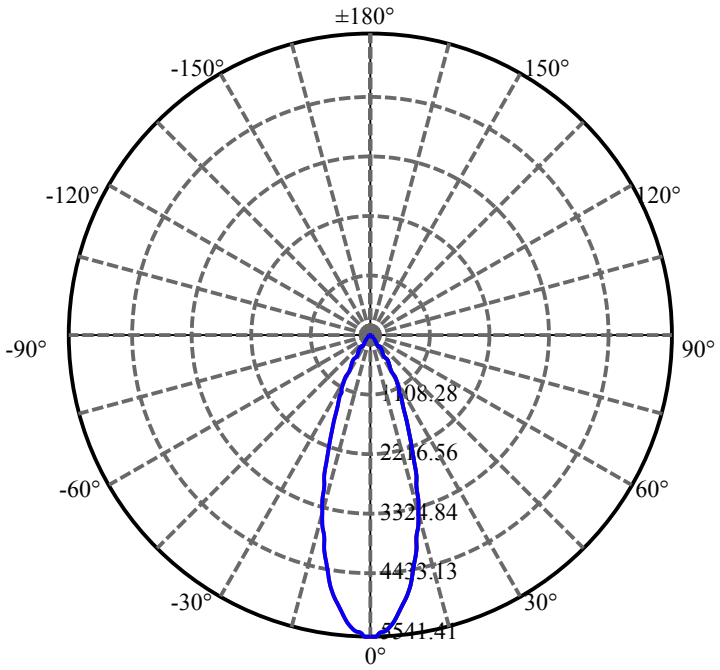
ZONAL LUMEN SUMMARY

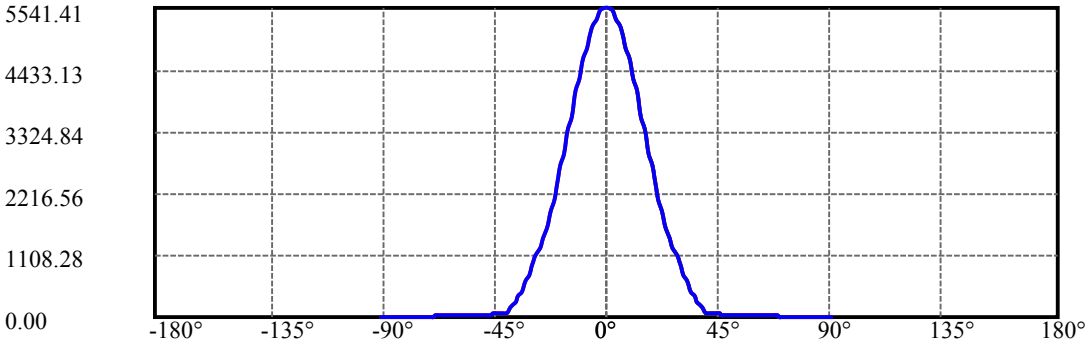
Zone	Lumens	%Lamp	%Fixt
0-30	2069.89	72.63%	85.03%
0-40	2315.17	81.23%	95.10%
0-60	2387.24	83.76%	98.06%
0-90	2433.32	85.38%	99.95%
0-120	2433.32	85.38%	99.95%
0-180	2434.44	85.42%	100.00%
60-90	46.07	1.62%	1.89%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.72	1947.55	68.34%	80.00%

ZONAL LUMEN SUMMARY

0-10	475.74
10-20	924.14
20-30	670.01
30-40	245.28
40-50	42.92
50-60	29.15
60-70	20.09
70-80	15.03
80-90	10.95
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):

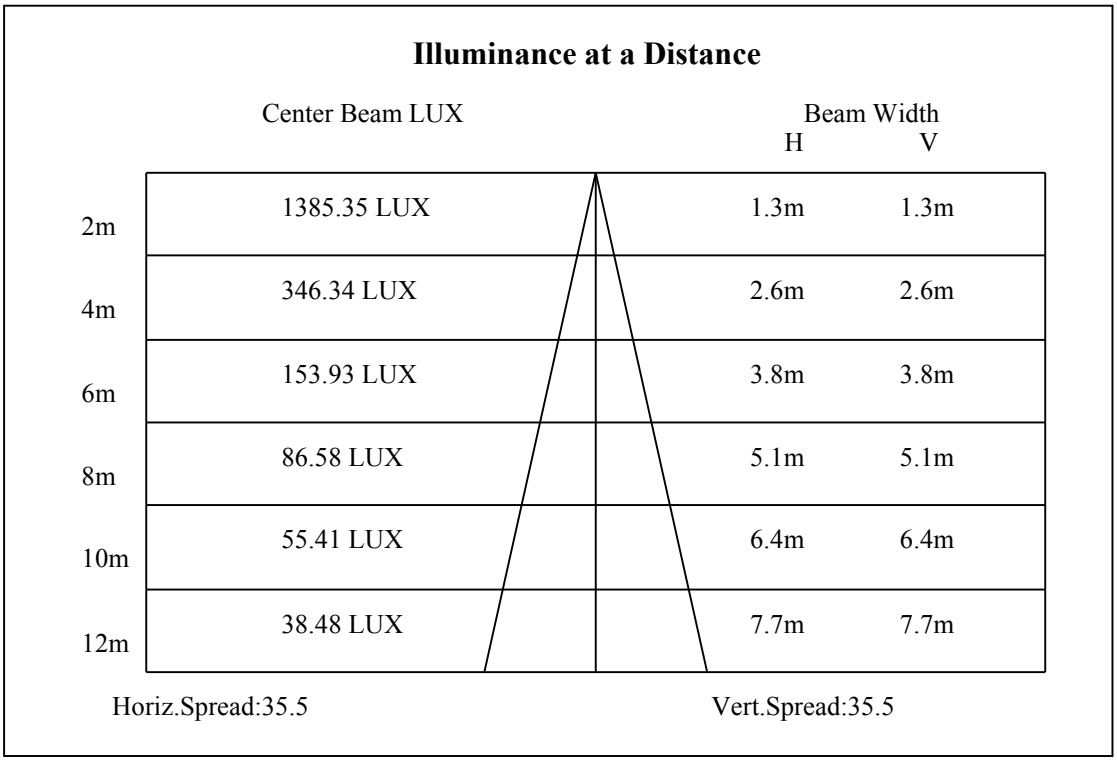
C0/C180:

C90/C270:

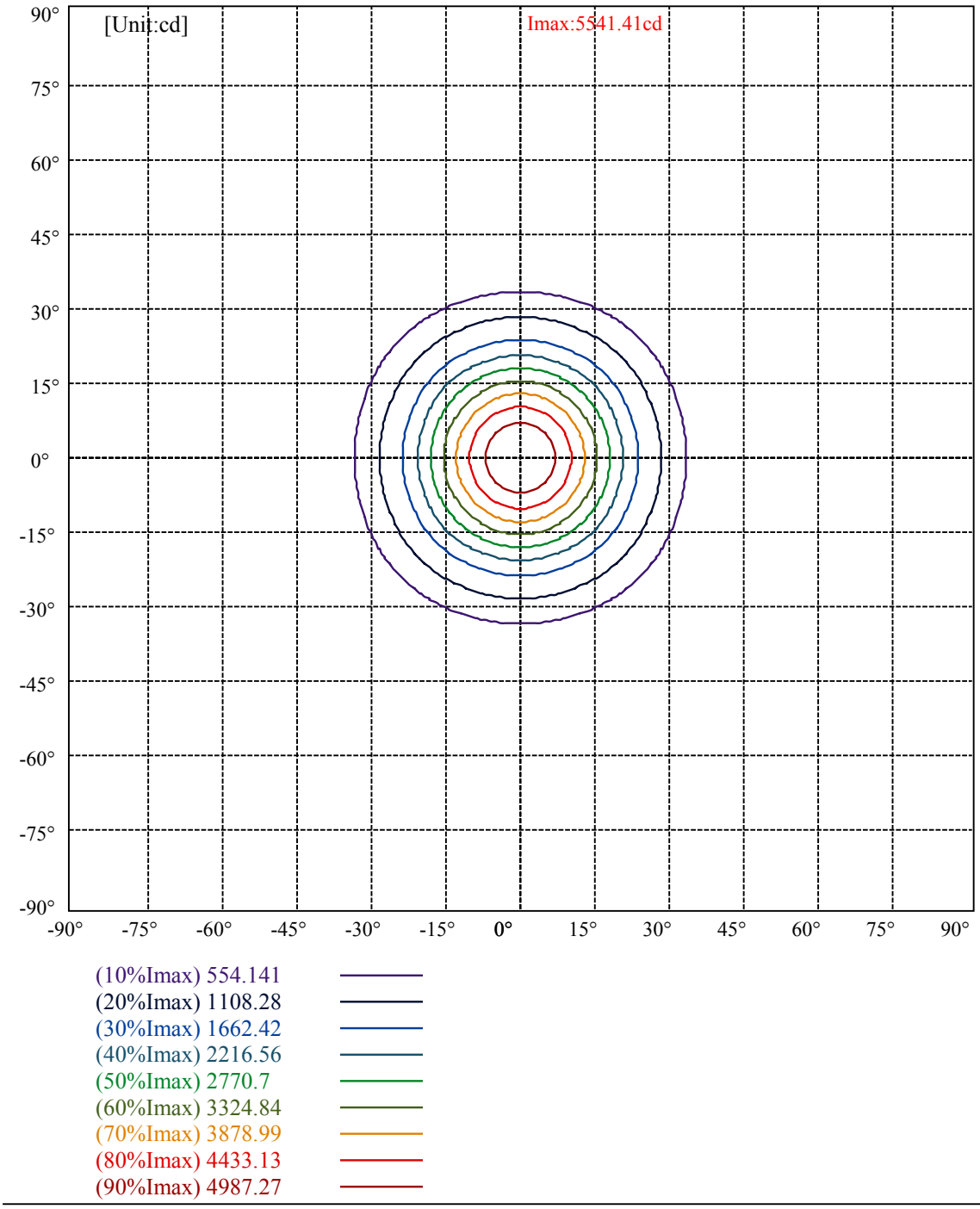
Field angle(10%Imax):C0/180Left:33.0 Right:33.0
:C90/270Left:33.0 Right:33.0

Beam Angle(50%Imax):C0/180Left:17.8 Right:17.8
:C90/270Left:17.8 Right:17.8

Lux distance Curve

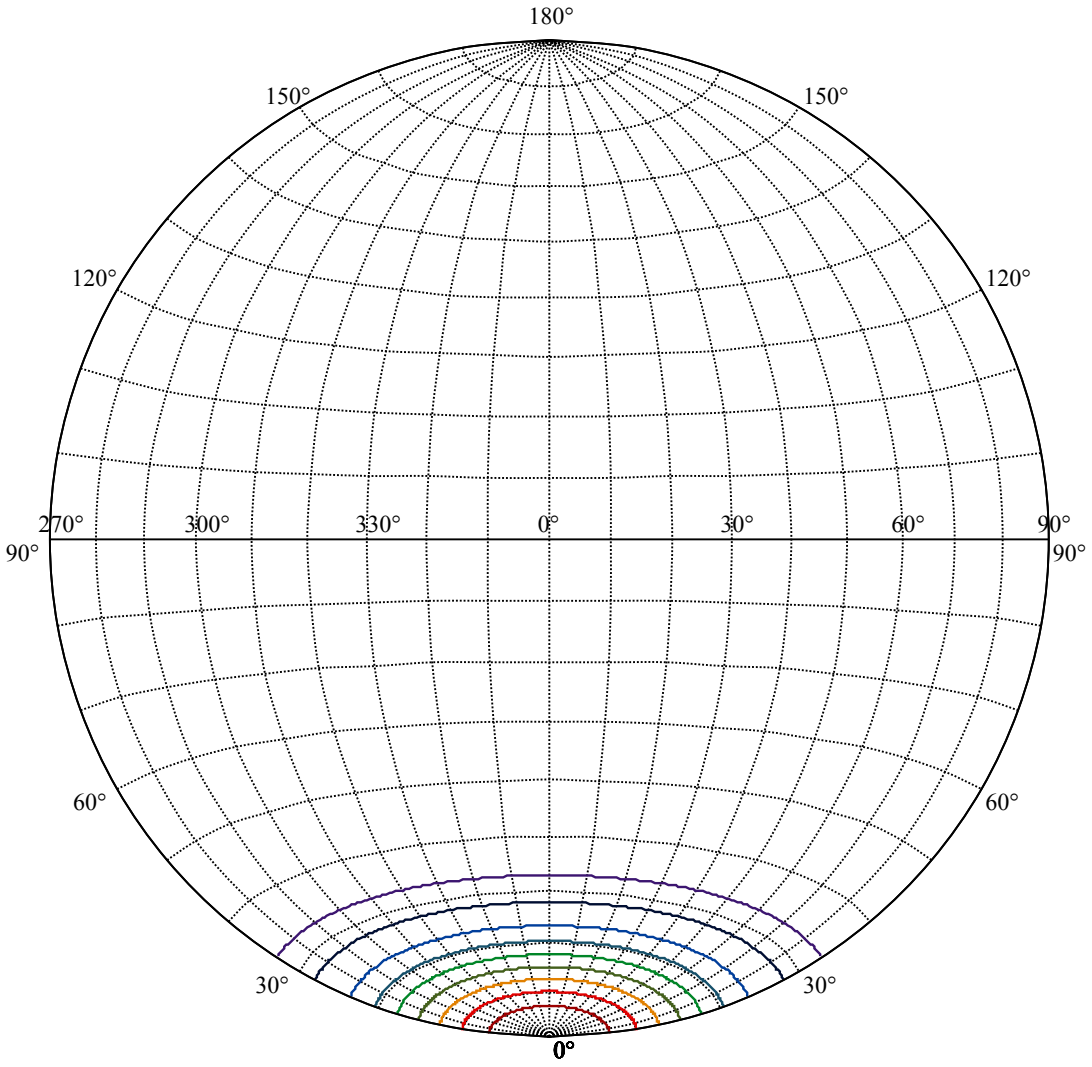


Equipment: GMS1980 Date: 2024/3/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65



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



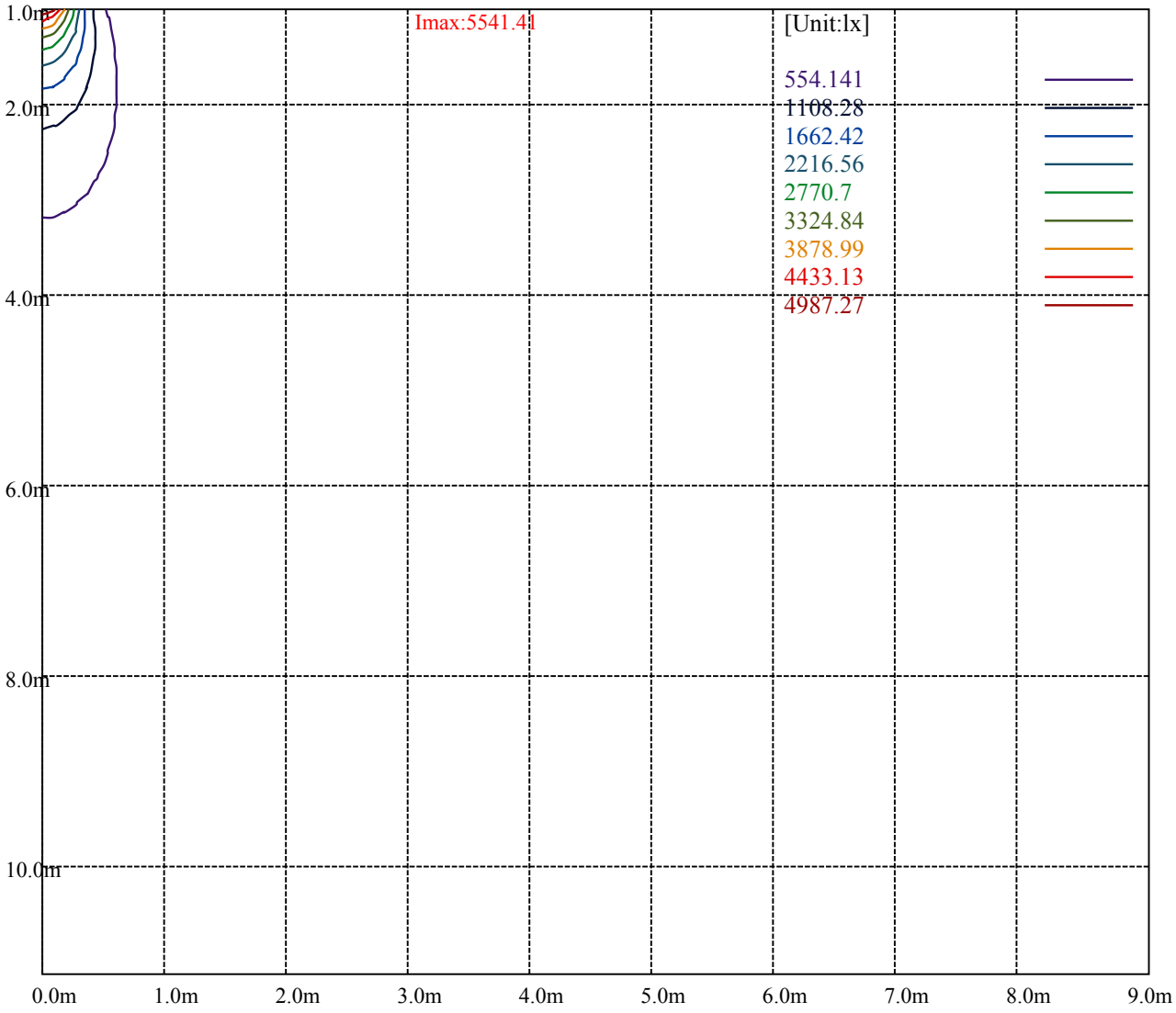
House [Unit:cd] Road

Imax:5541.41

(10%Imax) 554.141
(20%Imax) 1108.28
(30%Imax) 1662.42
(40%Imax) 2216.56
(50%Imax) 2770.7
(60%Imax) 3324.84
(70%Imax) 3878.99
(80%Imax) 4433.13
(90%Imax) 4987.27

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

NT 2-2684-L

Luminance Limitting Curve(no luminous side)

Luminance Table

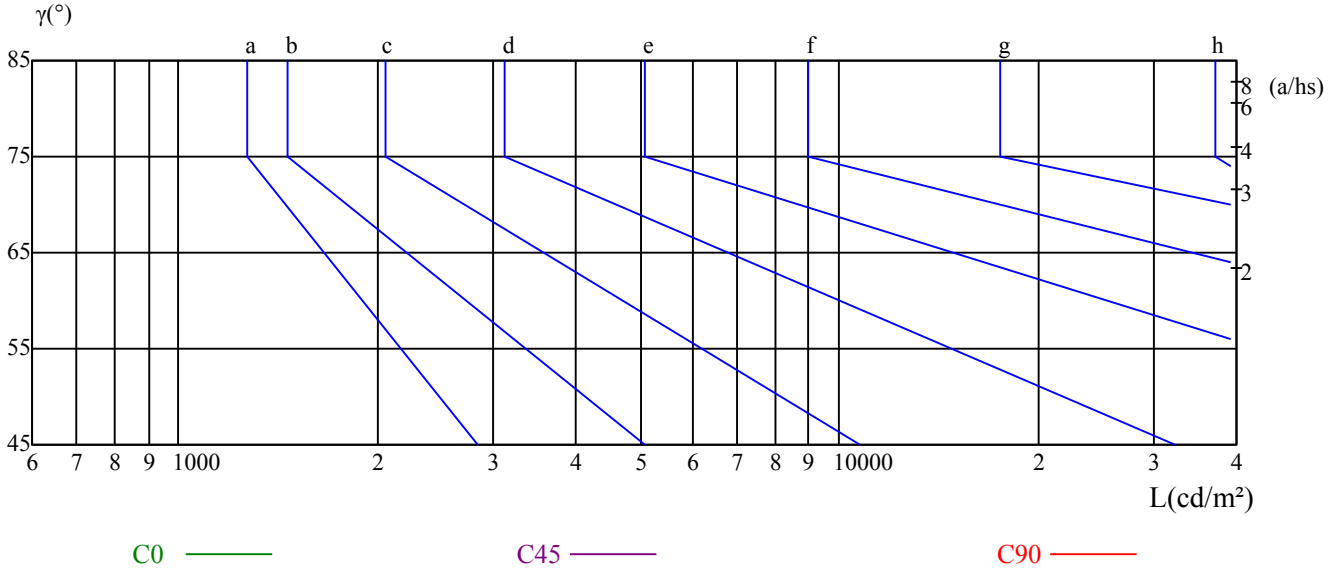
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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: GMS1980
Temperature(°C): 25.0

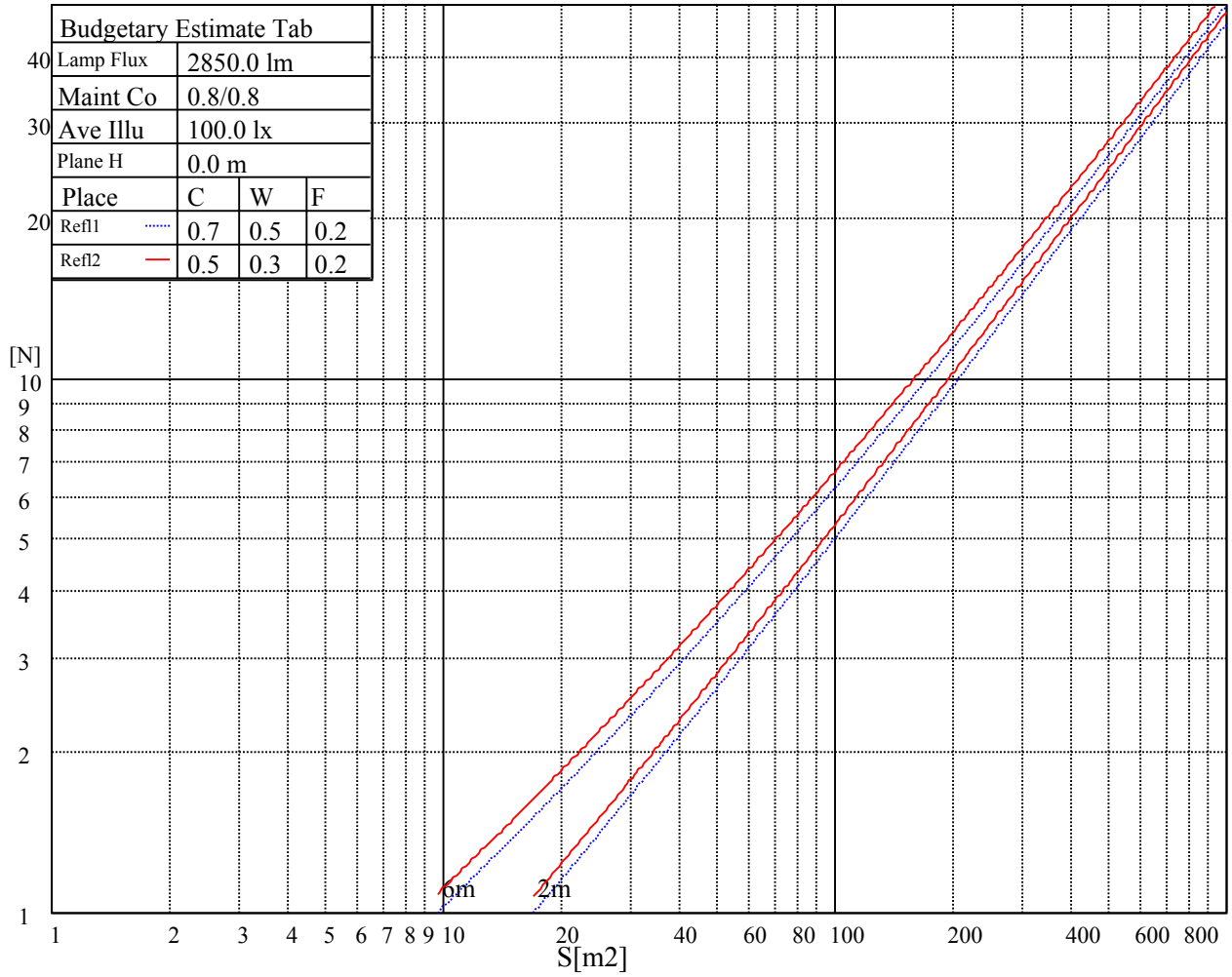
Date: 2024/3/30
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

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

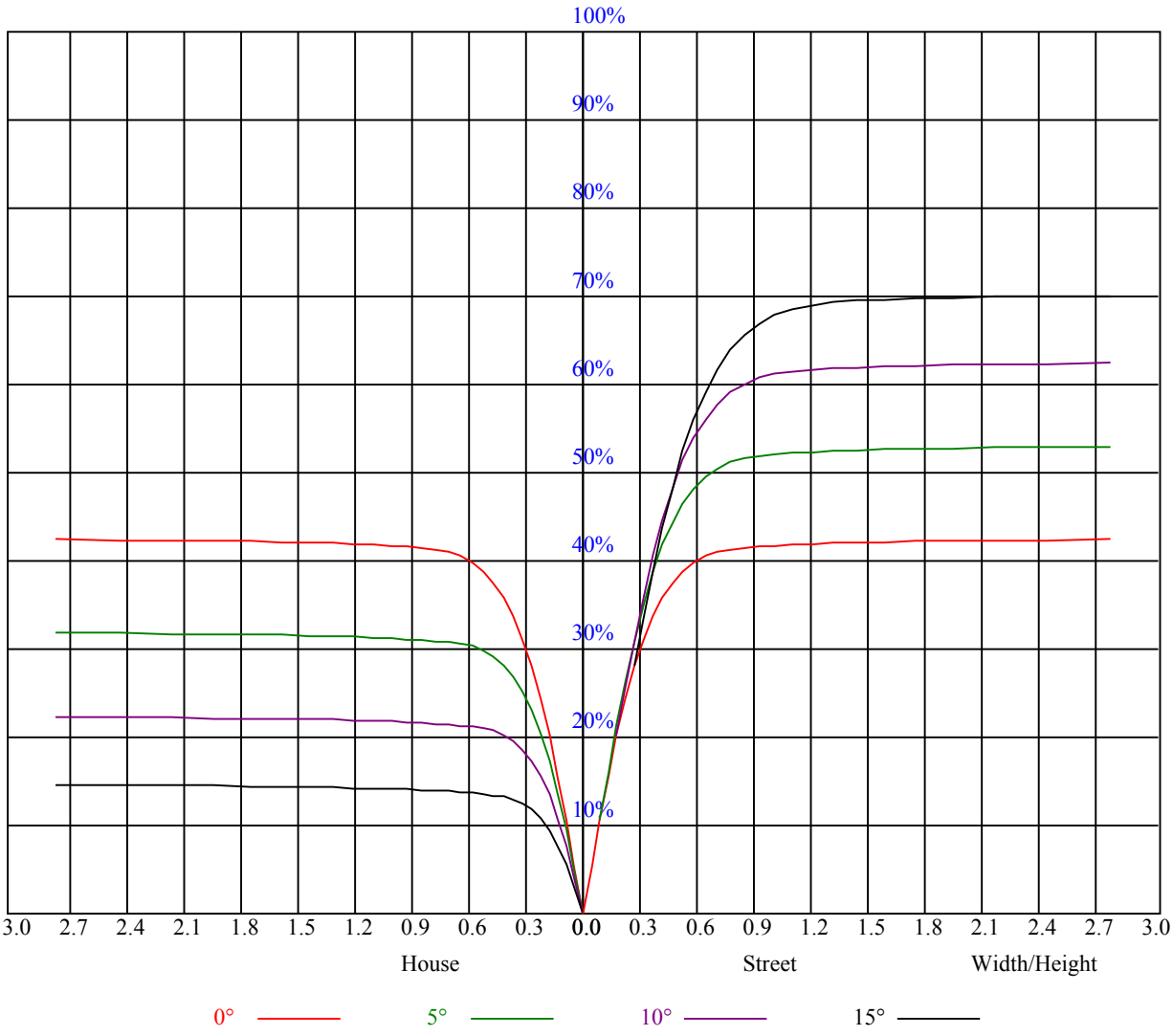


Equipment: GMS1980 Date: 2024/3/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

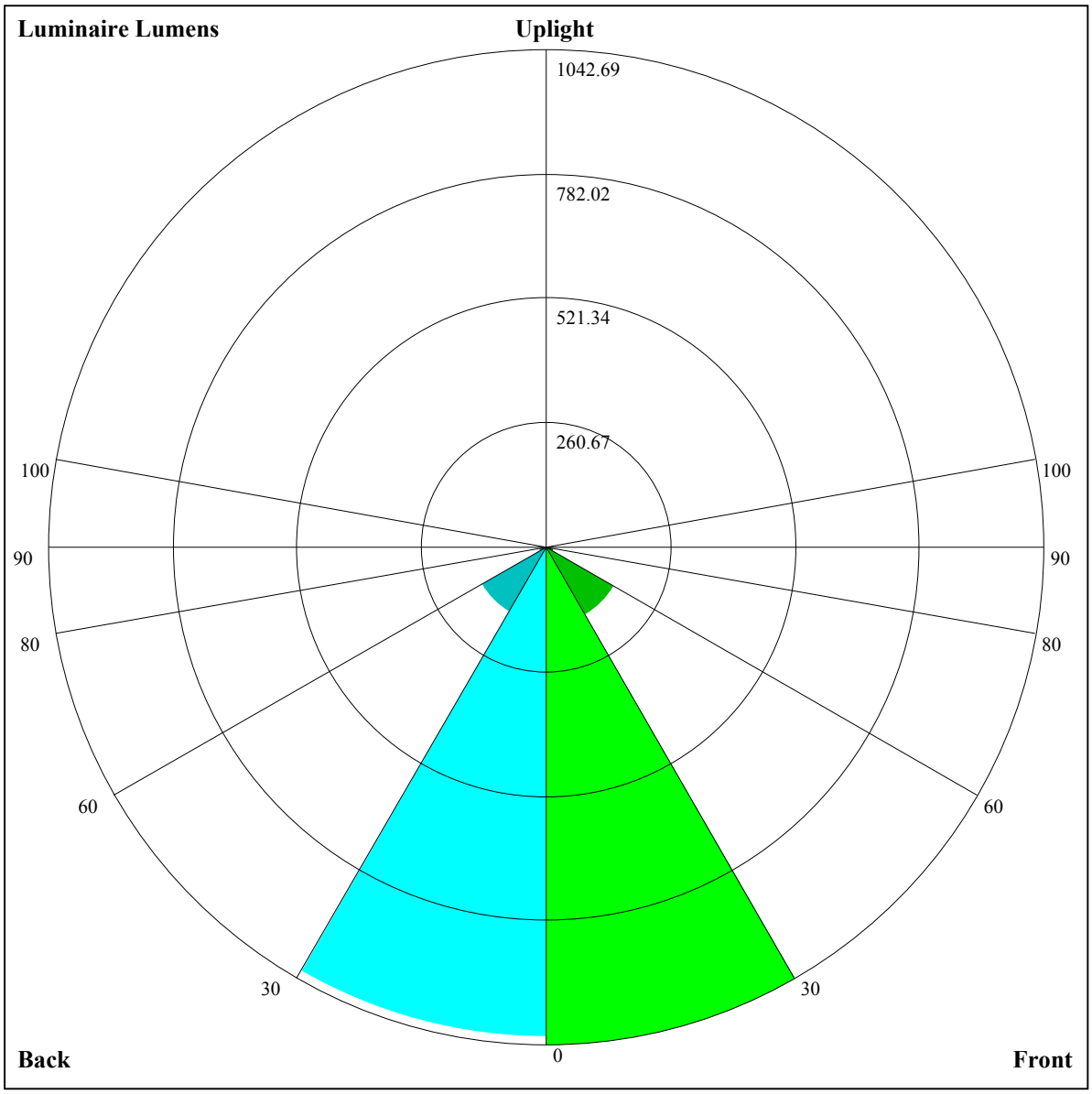
Utilization factor table for indoor luminaire

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	1.02	1.02	1.02	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.85
1	0.95	0.93	0.91	0.93	0.91	0.90	0.90	0.88	0.87	0.87	0.85	0.84	0.84	0.83	0.82	0.81
2	0.89	0.86	0.84	0.88	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.79	0.80	0.79	0.77	0.76
3	0.84	0.80	0.77	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.76	0.74	0.77	0.75	0.73	0.72
4	0.80	0.76	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.75	0.73	0.70	0.74	0.72	0.70	0.68
5	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.65
6	0.72	0.68	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
7	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
8	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.56
9	0.63	0.59	0.56	0.63	0.58	0.56	0.62	0.58	0.55	0.61	0.58	0.55	0.60	0.57	0.55	0.54
10	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.52

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=1042.69,FM=164.55,FH=17.71,FVH=6.06
BL=1026.44,BM=156.98,BH=17.47,BVH=6.03
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	5552.09	5538.63	5505.27	5450.84	5362.48	5265.91	5127.21	4997.88	4846.31
45.0	5529.85	5547.41	5540.97	5498.83	5444.99	5347.84	5255.96	5148.87	5027.14
90.0	5543.89	5522.24	5481.28	5398.76	5317.41	5222.61	5081.57	4951.06	4798.90
135.0	5540.97	5540.97	5521.66	5465.47	5396.42	5312.73	5212.66	5061.08	4922.39
180.0	5552.09	5536.29	5499.42	5440.90	5367.16	5252.45	5142.43	5010.17	4822.31
225.0	5529.85	5476.01	5414.56	5336.14	5212.66	5098.54	4961.01	4811.19	4645.57
270.0	5541.55	5534.53	5501.76	5432.70	5360.13	5271.18	5167.01	5009.00	4861.52
315.0	5540.97	5518.15	5459.62	5392.32	5313.32	5185.15	5060.50	4923.56	4729.85
360.0	5552.09	5538.63	5505.27	5450.84	5362.48	5265.91	5127.21	4997.88	4846.31

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4640.31	4460.64	4262.25	4056.25	3792.90	3581.64	3369.78	3161.44	2908.04
45.0	4852.74	4690.05	4510.97	4322.53	4067.96	3857.86	3647.77	3438.26	3175.49
90.0	4632.70	4406.80	4214.26	4014.12	3809.87	3553.54	3342.28	3139.21	2889.31
135.0	4771.40	4557.79	4375.20	4178.57	3929.84	3720.92	3516.68	3261.52	3054.35
180.0	4660.79	4483.47	4238.26	4035.77	3830.94	3570.52	3359.84	3155.01	2922.67
225.0	4417.34	4223.04	4024.07	3765.98	3561.15	3356.32	3108.77	2912.72	2660.49
270.0	4702.34	4521.51	4335.41	4086.68	3881.27	3616.16	3401.97	3196.56	2947.84
315.0	4552.52	4314.92	4113.61	3905.85	3695.75	3483.32	3225.23	3026.84	2824.35
360.0	4640.31	4460.64	4262.25	4056.25	3792.90	3581.64	3369.78	3161.44	2908.04

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2711.41	2514.77	2274.24	2086.97	1865.76	1705.40	1559.10	1433.27	1155.99
45.0	2974.76	2726.62	2528.82	2336.86	2098.68	1919.60	1755.73	1603.58	1437.96
90.0	2688.00	2438.69	2246.74	2060.05	1840.59	1679.65	1532.76	1407.52	1159.56
135.0	2855.96	2658.15	2411.77	2222.16	2039.57	1866.34	1669.12	1529.25	1404.60
180.0	2704.38	2509.50	2326.91	2085.22	1900.87	1732.32	1597.14	1435.03	1324.42
225.0	2459.17	2267.81	2079.95	1900.28	1696.63	1555.59	1430.93	1157.05	1157.05
270.0	2741.25	2542.28	2351.49	2125.01	1933.06	1768.61	1590.11	1452.59	1343.15
315.0	2625.38	2383.09	2192.31	1967.00	1801.38	1650.39	1480.68	1366.56	1152.54
360.0	2711.41	2514.77	2274.24	2086.97	1865.76	1705.40	1559.10	1433.27	1155.99

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1155.99	1108.83	1007.58	874.74	769.63	670.73	571.47	451.27	365.18
45.0	1325.59	1227.86	1114.33	1010.74	907.16	804.74	674.82	575.33	480.53
90.0	1159.56	1085.83	985.17	880.00	746.75	645.91	547.83	429.38	342.88
135.0	1268.83	1147.10	1043.51	937.00	831.08	700.57	601.08	505.11	413.81
180.0	1209.72	1111.99	1005.48	865.02	753.24	649.66	552.51	437.22	350.61
225.0	1106.66	1000.33	864.08	757.92	631.87	533.49	439.68	335.74	261.36
270.0	1246.59	1130.71	1030.64	924.71	784.26	680.09	553.68	459.46	373.43
315.0	1152.54	1050.30	939.34	830.73	698.70	596.75	500.60	409.72	310.23
360.0	1155.99	1108.83	1007.58	874.74	769.63	670.73	571.47	451.27	365.18

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	290.21	209.92	154.56	110.08	81.52	74.32	67.30	62.79	58.35
45.0	369.92	310.81	310.81	143.38	100.07	80.06	71.69	66.60	62.03
90.0	250.24	185.46	133.31	88.25	74.09	69.23	64.73	58.35	54.84
135.0	312.57	312.57	225.49	122.08	88.95	71.57	66.19	60.45	56.88
180.0	312.57	312.57	133.26	94.28	75.49	69.12	63.09	59.28	55.42
225.0	194.24	139.40	92.52	76.37	70.05	65.14	60.10	56.94	53.55
270.0	296.18	296.18	149.88	108.79	84.45	73.56	68.18	63.79	59.75
315.0	241.00	179.02	127.40	86.15	74.03	67.94	63.67	59.11	55.42
360.0	290.21	209.92	154.56	110.08	81.52	74.32	67.30	62.79	58.35

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	55.25	51.62	49.04	46.64	44.48	41.79	39.85	37.98	36.28
45.0	57.35	53.72	51.03	48.63	46.35	43.60	41.55	39.21	37.40
90.0	52.14	49.63	46.76	44.77	42.66	40.32	38.51	36.87	34.88
135.0	54.02	50.68	48.28	46.00	43.42	41.43	39.56	37.86	35.70
180.0	52.67	50.15	47.23	45.00	43.01	41.02	38.74	36.99	35.29
225.0	50.86	48.40	46.23	43.60	41.55	39.62	37.45	35.70	34.00
270.0	55.89	53.08	50.50	47.46	45.24	43.07	40.61	38.68	36.46
315.0	52.90	50.50	48.22	45.59	43.54	41.61	39.74	37.45	35.82
360.0	55.25	51.62	49.04	46.64	44.48	41.79	39.85	37.98	36.28

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	34.24	32.66	30.72	29.26	27.92	26.34	25.16	24.05	23.06
45.0	35.76	33.65	32.19	30.78	29.32	27.56	26.34	25.16	23.99
90.0	33.24	31.72	29.96	28.56	27.21	26.04	24.58	23.53	22.59
135.0	34.12	32.54	31.13	29.38	28.03	26.80	25.34	24.23	22.94
180.0	33.65	31.78	30.31	28.91	27.33	26.10	24.93	23.53	22.59
225.0	32.48	30.61	29.20	27.51	26.28	25.05	23.94	22.77	21.77
270.0	34.76	33.07	31.54	30.08	28.32	26.98	25.81	24.58	23.29
315.0	34.12	32.25	30.72	29.32	27.62	26.34	24.81	23.76	22.77
360.0	34.24	32.66	30.72	29.26	27.92	26.34	25.16	24.05	23.06

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.95	21.01	20.19	19.43	18.49	17.85	17.26	16.50	15.92
45.0	22.77	21.89	21.01	20.19	19.25	18.49	17.73	17.21	16.56
90.0	21.71	20.66	19.90	19.14	18.20	17.62	16.91	16.33	15.80
135.0	21.95	21.07	20.31	19.37	18.55	17.97	17.38	16.62	16.09
180.0	21.36	20.48	19.78	19.02	18.08	17.50	16.97	16.44	15.74
225.0	20.83	19.90	19.14	18.32	17.73	17.03	16.50	15.86	15.45
270.0	22.30	21.07	20.25	19.55	18.55	17.85	17.26	16.74	16.04
315.0	21.77	20.83	19.96	19.14	18.32	17.73	17.03	16.39	15.68
360.0	21.95	21.01	20.19	19.43	18.49	17.85	17.26	16.50	15.92

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.45	14.92	14.46	14.05	13.64	13.34	12.99	12.70	12.35
45.0	15.86	15.45	14.98	14.40	14.05	13.75	13.40	13.05	12.76
90.0	15.27	14.86	14.46	14.05	13.75	13.40	13.11	12.82	12.47
135.0	15.63	15.04	14.63	14.28	13.87	13.52	13.23	12.93	12.64
180.0	15.27	14.92	14.46	14.05	13.75	13.40	13.05	12.82	12.47
225.0	14.92	14.51	14.10	13.69	13.40	12.99	12.70	12.41	12.11
270.0	15.57	15.10	14.57	14.16	13.87	13.52	13.11	12.82	12.52
315.0	15.27	14.81	14.28	13.93	13.58	13.11	12.87	12.64	12.23
360.0	15.45	14.92	14.46	14.05	13.64	13.34	12.99	12.70	12.35

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.11	11.76	11.65	11.24	10.94	10.71	10.53	10.36	10.24
45.0	12.47	12.11	11.94	11.59	11.06	10.83	10.65	10.48	10.36
90.0	12.17	11.94	11.59	11.18	10.83	10.71	10.48	10.36	10.12
135.0	12.41	12.06	11.70	11.35	11.00	10.77	10.53	10.36	10.30
180.0	12.06	11.82	11.47	11.18	10.89	10.65	10.42	10.30	10.12
225.0	11.88	11.53	11.12	10.83	10.71	10.48	10.36	10.12	10.18
270.0	12.11	11.82	11.59	11.29	10.89	10.71	10.48	10.36	10.18
315.0	11.88	11.59	11.47	11.00	10.77	10.59	10.42	10.53	10.12
360.0	12.11	11.76	11.65	11.24	10.94	10.71	10.53	10.36	10.24

Intensity data(cd)

C/γ(°)	90.0
0.0	10.18
45.0	10.12
90.0	10.18
135.0	10.12
180.0	10.18
225.0	10.18
270.0	10.24
315.0	10.36
360.0	10.18