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NT

Client:
LumCAT: 2-2688-L
Luminaire: 92.70.411.00
Report No: 2024330-B022
Ballast type: AC

Test No: 2024330-C022	Voltage(V): 34.170
LampCAT: LUMILEDS LUXEON 1208	Current(A): 0.576
Lamp flux(lm): 2850.0	Power (W): 19.681
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2355.36, Efficiency(%): 82.64% , Luminous Efficacy(lm/W): 119.68
Central intensity(cd): 5716.683, Maximum intensity(cd): 5716.683
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=35.2
[C90/270]Total=35.2
Field angle(10%Imax): [C0/180]Total=61.0
[C90/270]Total=61.0
Maximum s/h(1/2): C0_180=0.58 C90_270=0.58
Maximum s/h(1/4): C0_180=0.58 C90_270=0.58
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 82.64%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.674%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5716.683	0.000	0	0.00%	0.00%
1.0	5710.904	5.468	5.468	0.19%	0.23%
2.0	5690.640	16.365	21.832	0.57%	0.93%
3.0	5659.404	27.146	48.978	0.95%	2.08%
4.0	5612.878	37.732	86.71	1.32%	3.68%
5.0	5541.993	47.988	134.698	1.68%	5.72%
6.0	5434.970	57.687	192.385	2.02%	8.17%
7.0	5311.634	66.704	259.088	2.34%	11.00%
8.0	5151.648	74.884	333.972	2.63%	14.18%
9.0	4975.495	82.075	416.047	2.88%	17.66%
10.0	4770.593	88.199	504.246	3.09%	21.41%
11.0	4548.866	93.121	597.366	3.27%	25.36%
12.0	4314.484	96.889	694.255	3.40%	29.48%
13.0	4067.445	99.472	793.728	3.49%	33.70%
14.0	3795.316	100.643	894.37	3.53%	37.97%
15.0	3540.889	100.715	995.085	3.53%	42.25%
16.0	3270.515	99.806	1094.891	3.50%	46.49%
17.0	3013.309	97.856	1192.747	3.43%	50.64%
18.0	2754.420	95.097	1287.845	3.34%	54.68%
19.0	2513.088	91.644	1379.488	3.22%	58.57%
20.0	2271.390	87.569	1467.058	3.07%	62.29%
21.0	2053.467	83.046	1550.104	2.91%	65.81%
22.0	1840.225	78.245	1628.349	2.75%	69.13%
23.0	1621.446	72.635	1700.984	2.55%	72.22%
24.0	1459.705	67.365	1768.349	2.36%	75.08%
25.0	1254.474	61.714	1830.064	2.17%	77.70%
26.0	1164.832	57.108	1887.172	2.00%	80.12%
27.0	1025.929	53.597	1940.769	1.88%	82.40%
28.0	882.453	48.316	1989.085	1.70%	84.45%
29.0	755.899	42.864	2031.949	1.50%	86.27%
30.0	625.130	37.287	2069.237	1.31%	87.85%
31.0	511.275	31.624	2100.861	1.11%	89.20%
32.0	408.297	26.345	2127.206	0.92%	90.31%
33.0	320.228	21.463	2148.669	0.75%	91.22%
34.0	269.789	17.856	2166.524	0.63%	91.98%
35.0	195.619	14.454	2180.978	0.51%	92.60%
36.0	156.138	11.200	2192.178	0.39%	93.07%
37.0	122.458	9.086	2201.264	0.32%	93.46%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	109.591	7.745	2209.01	0.27%	93.79%
39.0	99.700	7.144	2216.153	0.25%	94.09%
40.0	90.337	6.628	2222.781	0.23%	94.37%
41.0	82.773	6.164	2228.946	0.22%	94.63%
42.0	75.604	5.754	2234.7	0.20%	94.88%
43.0	69.971	5.393	2240.092	0.19%	95.11%
44.0	64.631	5.080	2245.173	0.18%	95.32%
45.0	59.576	4.773	2249.946	0.17%	95.52%
46.0	55.626	4.505	2254.451	0.16%	95.72%
47.0	51.866	4.275	2258.726	0.15%	95.90%
48.0	48.647	4.063	2262.79	0.14%	96.07%
49.0	45.699	3.874	2266.664	0.14%	96.23%
50.0	43.175	3.705	2270.369	0.13%	96.39%
51.0	40.819	3.554	2273.923	0.12%	96.54%
52.0	38.771	3.415	2277.338	0.12%	96.69%
53.0	36.898	3.292	2280.63	0.12%	96.83%
54.0	35.026	3.170	2283.8	0.11%	96.96%
55.0	33.460	3.057	2286.857	0.11%	97.09%
56.0	31.814	2.950	2289.807	0.10%	97.22%
57.0	30.395	2.844	2292.651	0.10%	97.34%
58.0	28.917	2.743	2295.394	0.10%	97.45%
59.0	27.520	2.638	2298.033	0.09%	97.57%
60.0	26.262	2.541	2300.573	0.09%	97.67%
61.0	25.018	2.447	2303.021	0.09%	97.78%
62.0	23.943	2.359	2305.38	0.08%	97.88%
63.0	22.897	2.278	2307.658	0.08%	97.97%
64.0	22.034	2.205	2309.863	0.08%	98.07%
65.0	21.361	2.148	2312.01	0.08%	98.16%
66.0	20.746	2.101	2314.111	0.07%	98.25%
67.0	20.190	2.058	2316.169	0.07%	98.34%
68.0	19.927	2.032	2318.202	0.07%	98.42%
69.0	19.927	2.033	2320.235	0.07%	98.51%
70.0	20.117	2.057	2322.291	0.07%	98.60%
71.0	20.490	2.099	2324.39	0.07%	98.69%
72.0	20.629	2.138	2326.528	0.08%	98.78%
73.0	20.732	2.163	2328.691	0.08%	98.87%
74.0	20.541	2.170	2330.861	0.08%	98.96%
75.0	20.161	2.151	2333.012	0.08%	99.05%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	19.707	2.116	2335.128	0.07%	99.14%
77.0	18.837	2.055	2337.183	0.07%	99.23%
78.0	17.879	1.965	2339.148	0.07%	99.31%
79.0	16.635	1.854	2341.003	0.07%	99.39%
80.0	15.106	1.711	2342.714	0.06%	99.46%
81.0	13.394	1.541	2344.255	0.05%	99.53%
82.0	12.531	1.406	2345.661	0.05%	99.59%
83.0	12.136	1.341	2347.002	0.05%	99.65%
84.0	11.807	1.304	2348.306	0.05%	99.70%
85.0	11.390	1.266	2349.572	0.04%	99.75%
86.0	10.885	1.218	2350.79	0.04%	99.81%
87.0	10.556	1.173	2351.964	0.04%	99.86%
88.0	10.351	1.145	2353.109	0.04%	99.90%
89.0	10.234	1.128	2354.237	0.04%	99.95%
90.0	10.198	1.120	2355.357	0.04%	100.00%

Zonal flux distribution table

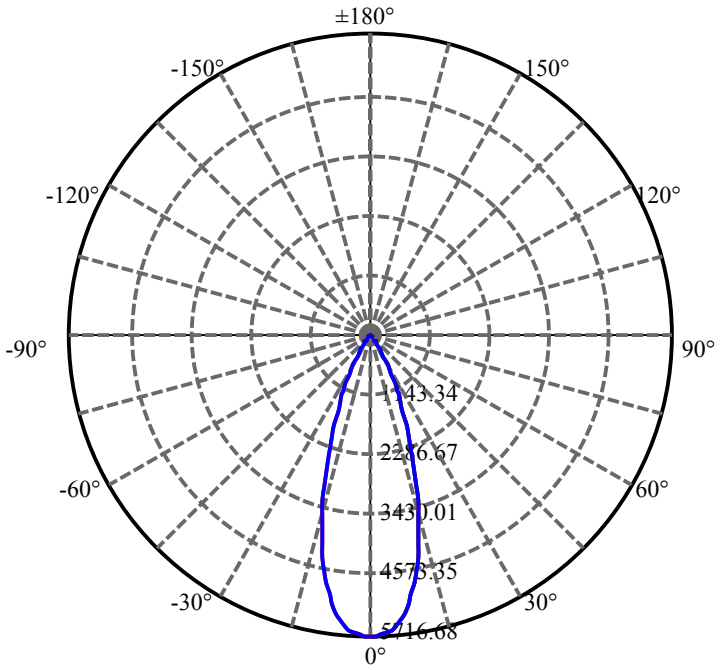
ZONAL LUMEN SUMMARY

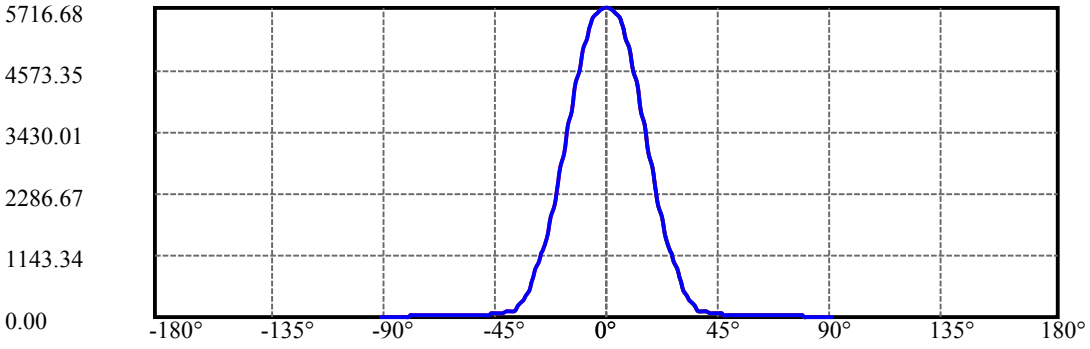
Zone	Lumens	%Lamp	%Fixt
0-30	2069.24	72.60%	87.85%
0-40	2222.78	77.99%	94.37%
0-60	2300.57	80.72%	97.67%
0-90	2354.24	82.60%	99.95%
0-120	2354.24	82.60%	99.95%
0-180	2355.36	82.64%	100.00%
60-90	53.66	1.88%	2.28%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.95	1884.29	66.12%	80.00%

ZONAL LUMEN SUMMARY

0-10	504.25
10-20	962.81
20-30	602.18
30-40	153.54
40-50	47.59
50-60	30.20
60-70	21.72
70-80	20.42
80-90	11.52
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:

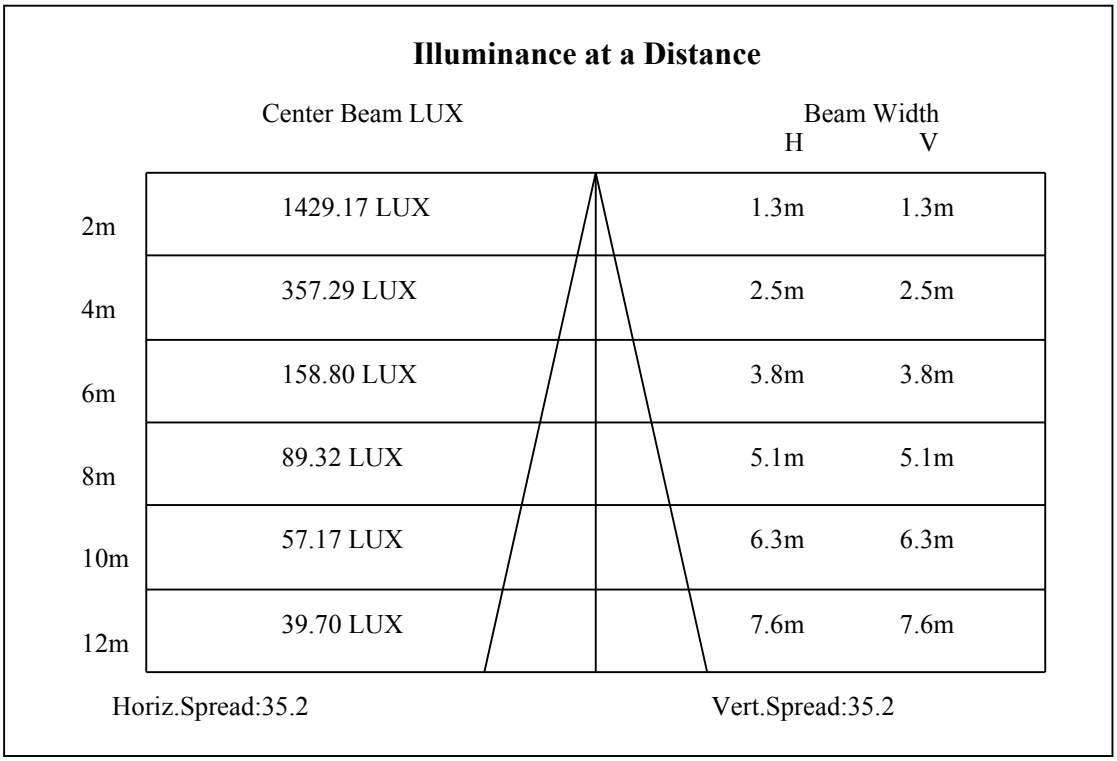
C90/C270:

Field angle(10%Imax):C0/180Left:30.5 Right:30.5
:C90/270Left:30.5 Right:30.5

Beam Angle(50%Imax):C0/180Left:17.6 Right:17.6
:C90/270Left:17.6 Right:17.6

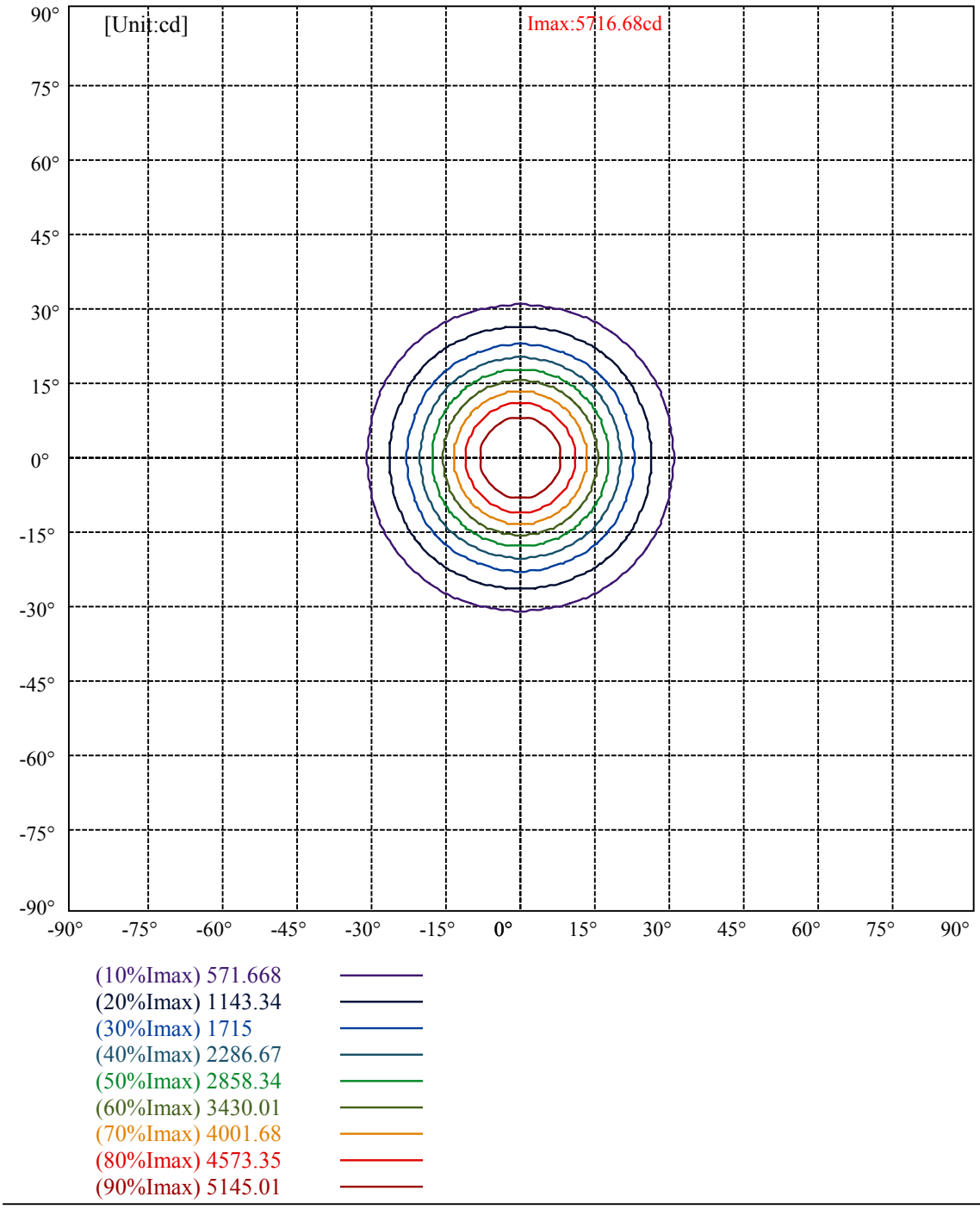
Equipment: GMS1980	Date: 2024/3/30	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

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)

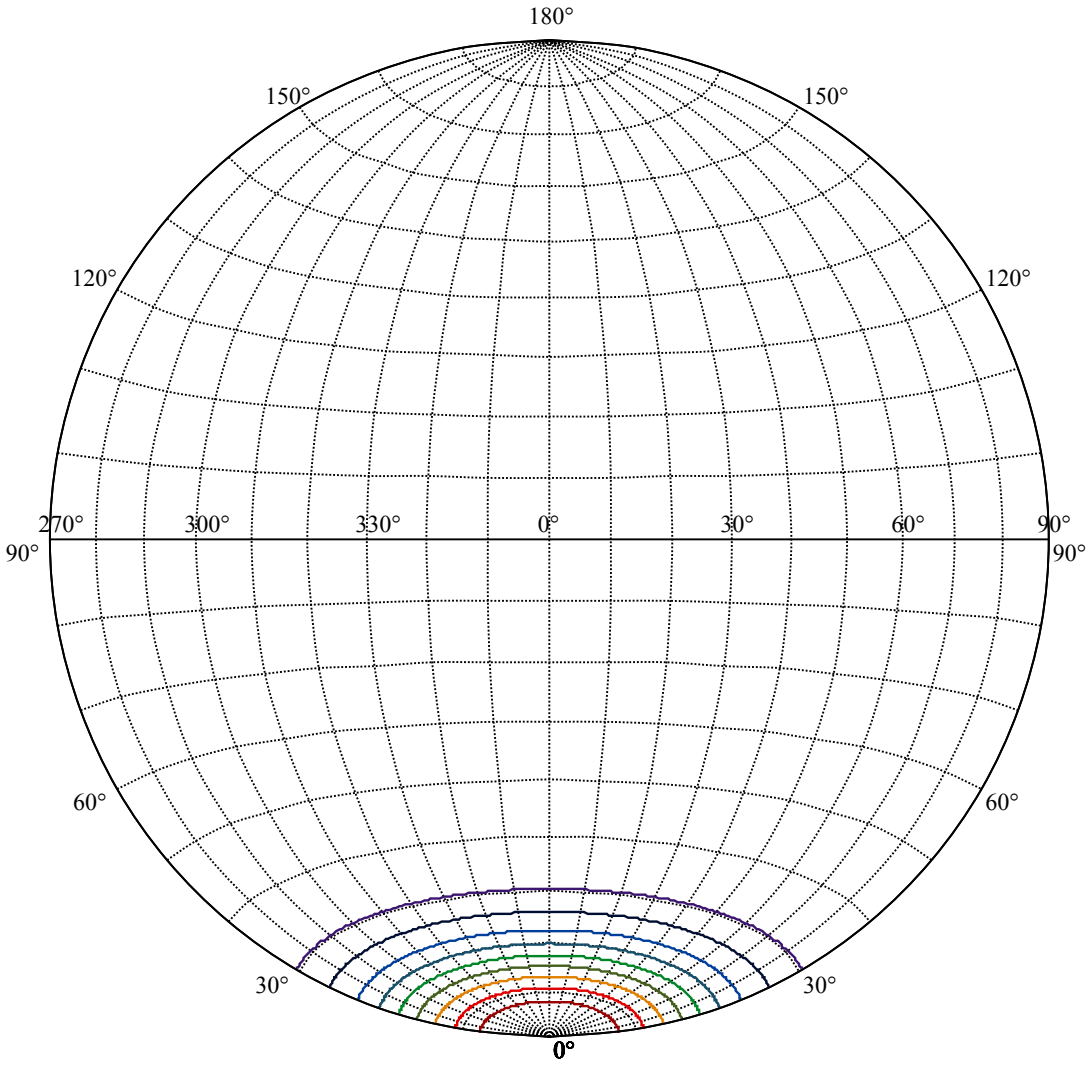


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



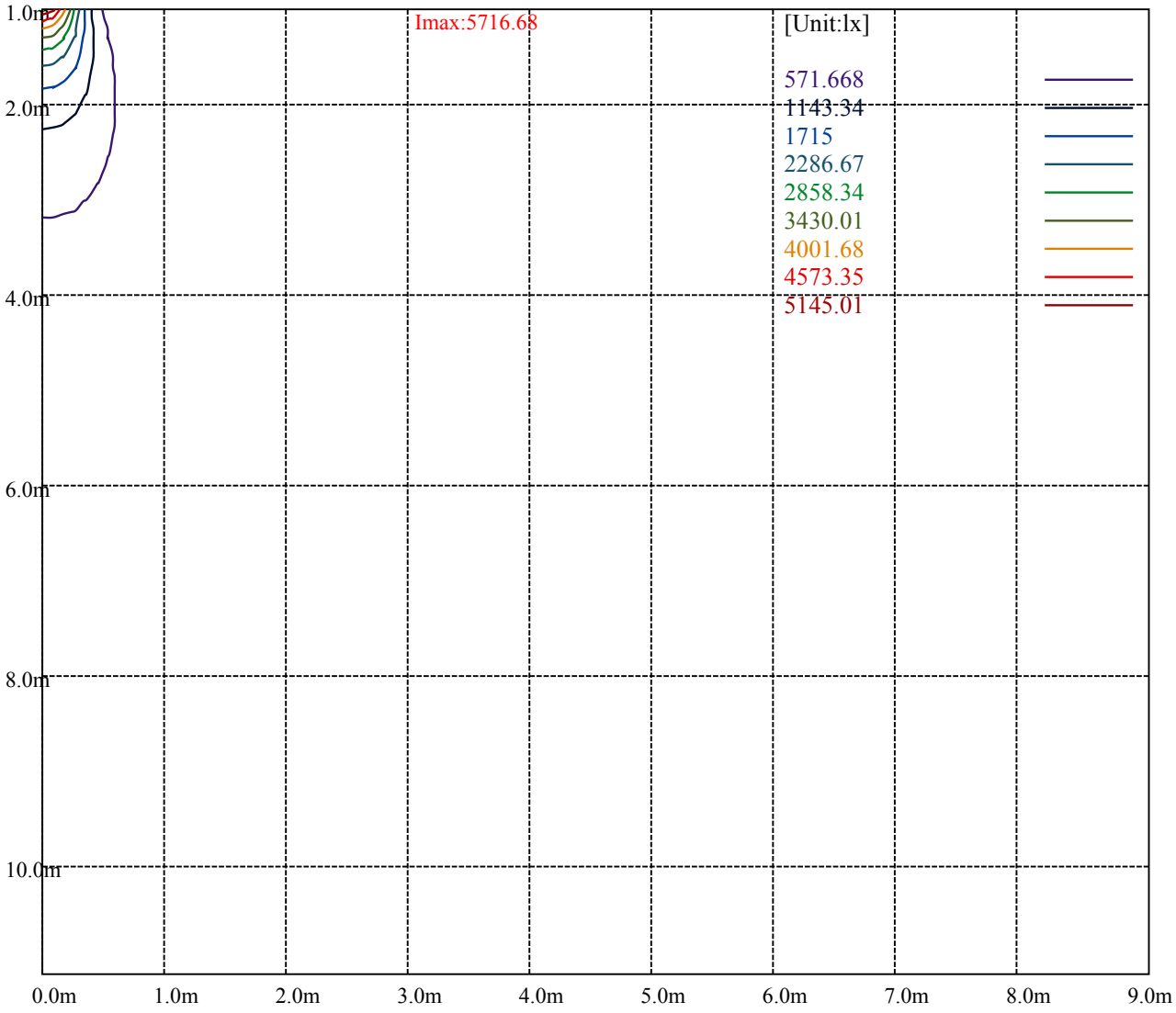
House [Unit:cd] Road

Imax:5716.68

(10%Imax) 571.668
(20%Imax) 1143.34
(30%Imax) 1715
(40%Imax) 2286.67
(50%Imax) 2858.34
(60%Imax) 3430.01
(70%Imax) 4001.68
(80%Imax) 4573.35
(90%Imax) 5145.01

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

NT 2-2688-L

Luminance Limitting Curve(no luminous side)

Luminance Table

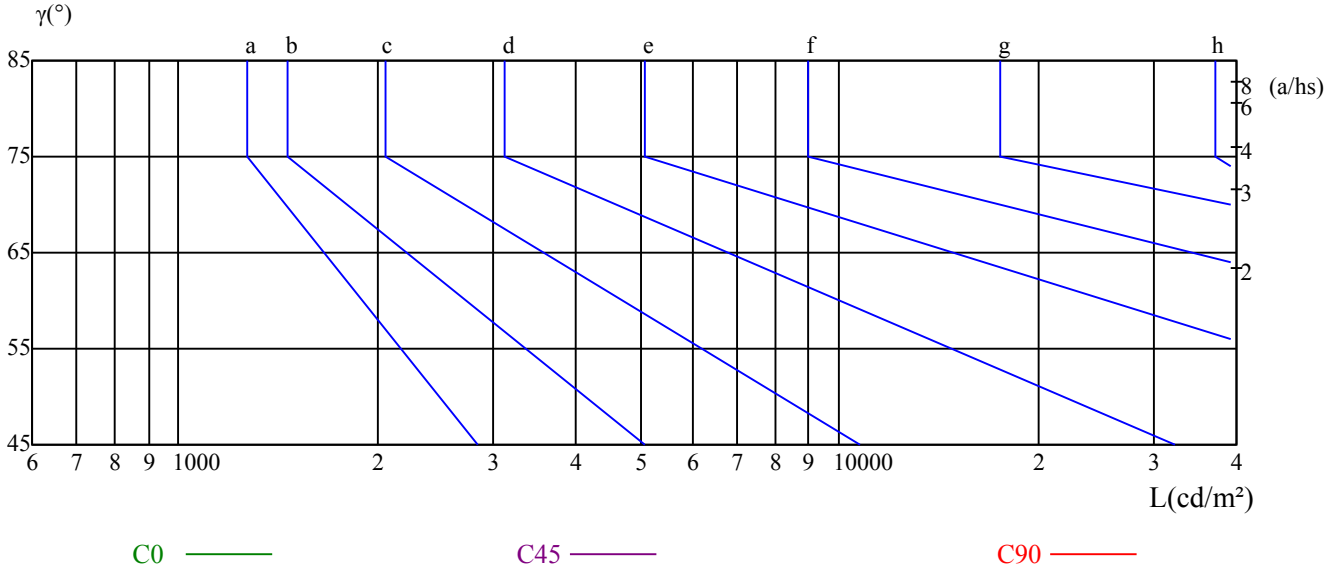
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

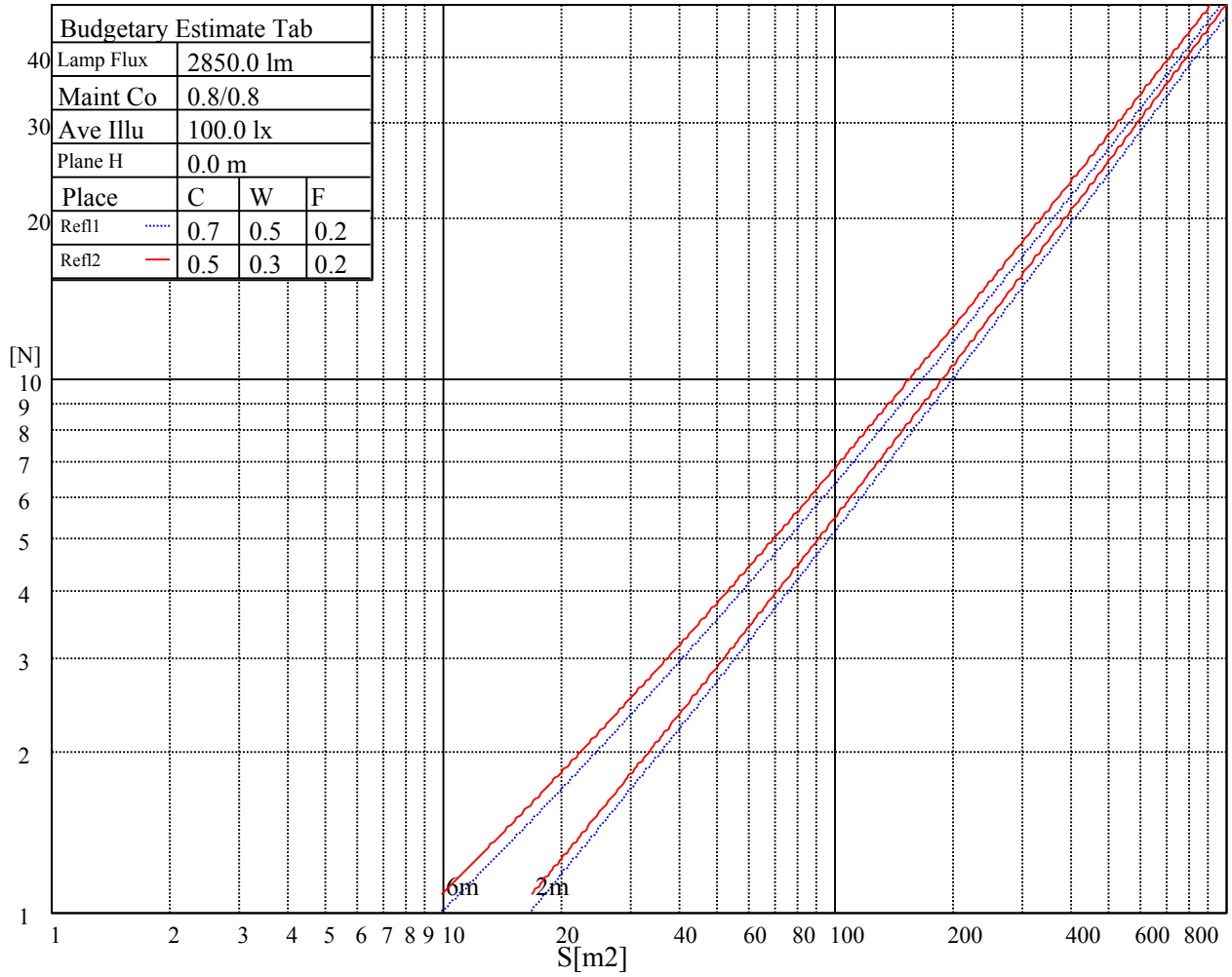


Equipment: GMS1980 Date: 2024/3/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

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

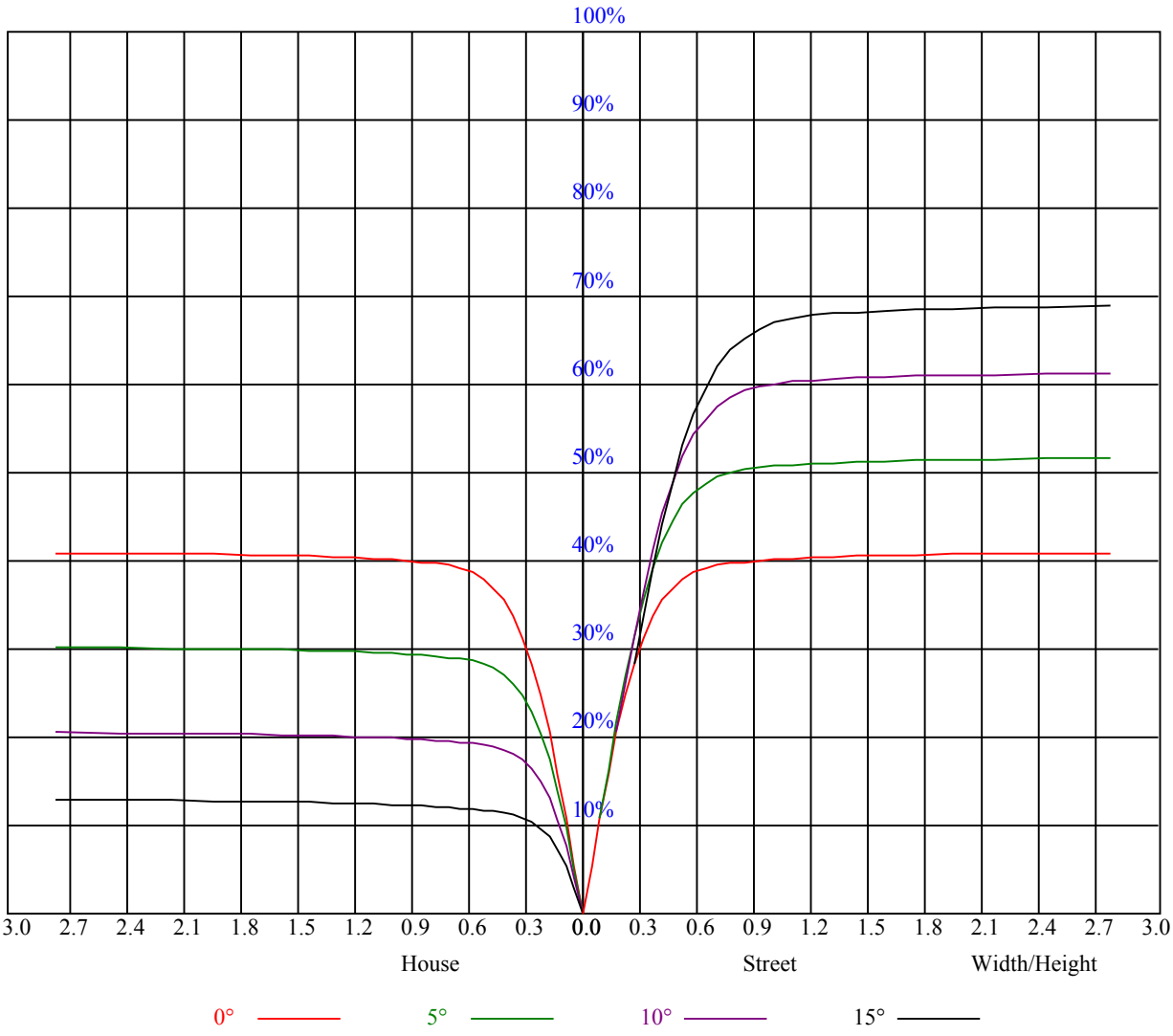


Equipment: GMS1980 Date: 2024/3/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

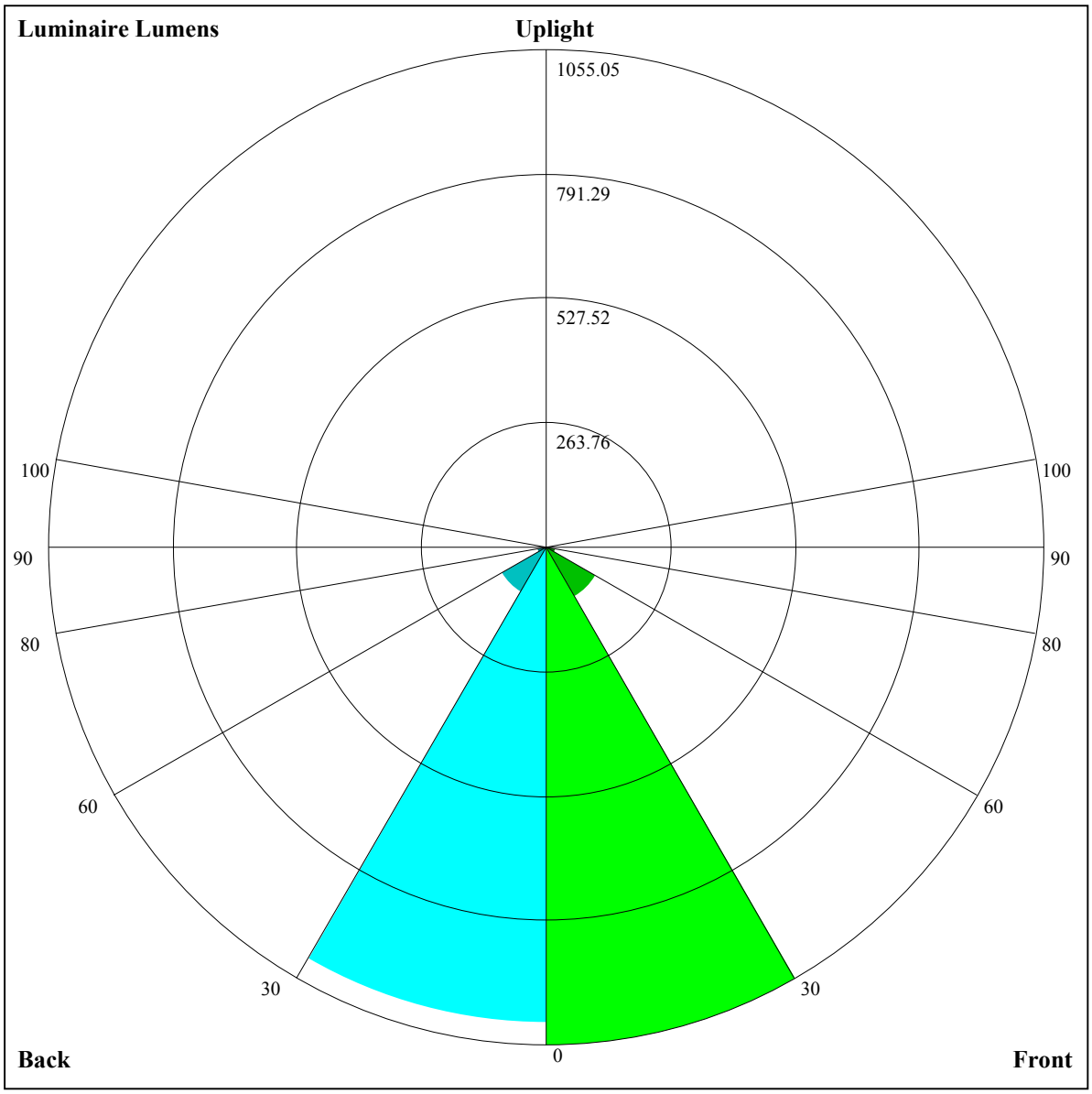
Utilization factor table for indoor luminaire

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	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	0.70	0.74	0.71	0.69	0.72	0.70	0.68	0.67
5	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.65	0.69	0.67	0.65	0.64
6	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.61
7	0.68	0.63	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.60	0.64	0.62	0.59	0.58
8	0.65	0.61	0.58	0.64	0.60	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.62	0.59	0.57	0.56
9	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.58	0.55	0.61	0.57	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	0.55	0.53	0.58	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=1055.05,FM=121.19,FH=21.43,FVH=6.46
BL=1008.19,BM=110.89,BH=21.55,BVH=6.35
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	5724.14	5721.80	5704.25	5681.42	5628.75	5579.01	5476.59	5372.42	5236.65
45.0	5710.10	5716.54	5721.22	5706.00	5687.28	5643.97	5587.79	5510.54	5406.95
90.0	5720.05	5717.71	5693.13	5667.96	5627.58	5562.04	5447.33	5323.85	5185.74
135.0	5712.44	5717.12	5715.95	5682.59	5656.84	5597.15	5515.80	5382.96	5247.77
180.0	5724.14	5721.22	5694.30	5666.21	5619.97	5532.19	5426.26	5292.25	5096.78
225.0	5710.10	5687.86	5642.80	5586.03	5509.37	5402.27	5229.04	5069.86	4835.19
270.0	5720.05	5714.20	5687.28	5660.94	5610.61	5530.43	5438.55	5318.00	5131.31
315.0	5712.44	5690.79	5666.21	5624.07	5562.62	5488.88	5358.38	5223.19	5072.79
360.0	5724.14	5721.80	5704.25	5681.42	5628.75	5579.01	5476.59	5372.42	5236.65

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5039.43	4852.74	4648.50	4433.14	4146.96	3905.85	3662.40	3414.26	3104.68
45.0	5243.67	5094.44	4910.68	4659.62	4450.11	4222.46	3988.37	3677.03	3425.97
90.0	5010.17	4776.08	4569.50	4348.28	4058.01	3811.63	3564.08	3245.72	3002.26
135.0	5097.37	4864.45	4665.47	4454.21	4223.04	3925.16	3671.76	3356.91	3111.11
180.0	4915.36	4719.90	4447.18	4215.43	3976.08	3661.23	3406.65	3156.76	2871.76
225.0	4629.19	4415.00	4127.07	3883.61	3634.31	3331.16	3088.29	2851.86	2616.01
270.0	4969.79	4787.20	4576.52	4300.29	4065.03	3820.99	3506.14	3263.86	3022.16
315.0	4898.98	4654.94	4446.01	4221.29	3986.03	3684.05	3439.43	3197.73	2952.52
360.0	5039.43	4852.74	4648.50	4433.14	4146.96	3905.85	3662.40	3414.26	3104.68

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2866.49	2635.33	2360.27	2143.15	1879.22	1689.02	1531.59	1139.96	1139.96
45.0	3181.93	2941.40	2656.39	2432.84	2220.40	1956.47	1762.76	1556.17	1415.13
90.0	2770.51	2489.61	2275.41	2061.22	1852.30	1670.88	1484.19	1160.91	1160.91
135.0	2873.51	2585.58	2360.27	2147.25	1939.49	1748.13	1549.15	1404.60	1254.20
180.0	2628.30	2400.65	2198.75	1941.84	1734.08	1572.56	1436.79	1252.44	1102.62
225.0	2339.20	2126.77	1918.43	1725.89	1527.50	1140.84	1140.84	1071.37	938.88
270.0	2719.60	2495.46	2240.30	2023.77	1809.57	1635.76	1456.10	1318.57	1175.19
315.0	2655.81	2429.91	2161.29	1951.78	1759.24	1557.93	1316.23	1131.77	1131.77
360.0	2866.49	2635.33	2360.27	2143.15	1879.22	1689.02	1531.59	1139.96	1139.96

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1069.62	932.79	810.65	663.00	552.39	453.37	363.48	261.07	194.88
45.0	1270.00	1120.76	949.29	819.96	702.33	589.97	461.22	369.92	306.72
90.0	1019.81	889.07	767.05	623.26	515.52	391.81	303.50	228.53	163.51
135.0	1104.38	930.57	804.16	656.10	549.58	449.51	335.39	314.32	314.32
180.0	934.08	811.77	692.96	551.34	444.83	355.29	310.81	310.81	143.67
225.0	814.05	668.68	557.31	454.25	337.38	256.68	191.31	147.89	122.31
270.0	1036.49	877.31	758.51	640.88	527.35	402.69	313.15	313.15	165.97
315.0	959.01	828.68	707.24	592.25	460.81	367.05	282.96	212.61	153.56
360.0	1069.62	932.79	810.65	663.00	552.39	453.37	363.48	261.07	194.88

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	151.11	125.41	112.54	101.60	90.71	83.22	74.97	69.35	64.20
45.0	306.72	151.28	129.51	116.05	102.59	94.10	84.74	78.07	72.22
90.0	136.94	122.66	110.90	100.95	90.65	83.39	76.72	70.87	64.43
135.0	150.05	127.81	115.87	105.69	96.80	87.43	80.64	74.56	69.00
180.0	124.65	113.59	101.89	93.93	86.79	80.29	72.86	67.71	63.03
225.0	111.19	101.71	93.81	85.15	78.77	73.09	66.66	62.21	58.35
270.0	137.00	122.08	107.92	98.79	90.83	81.87	75.61	69.88	64.78
315.0	131.44	115.11	104.29	95.45	85.56	78.77	72.63	67.13	61.04
360.0	151.11	125.41	112.54	101.60	90.71	83.22	74.97	69.35	64.20

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	59.69	54.89	51.38	48.40	45.65	42.72	40.67	38.68	37.04
45.0	65.72	61.21	57.29	53.61	49.69	46.76	44.24	42.14	39.85
90.0	59.93	56.01	51.62	48.52	45.24	42.90	40.79	38.51	36.75
135.0	63.15	58.99	54.25	50.97	47.93	44.71	42.31	40.32	38.04
180.0	58.00	54.37	50.45	47.64	45.18	42.96	40.32	38.45	36.64
225.0	53.84	50.80	47.93	44.89	42.66	40.67	38.33	36.52	34.88
270.0	59.28	55.48	52.03	48.92	45.53	43.19	40.97	38.51	36.69
315.0	57.00	53.26	49.98	46.23	43.72	41.49	38.92	37.04	35.29
360.0	59.69	54.89	51.38	48.40	45.65	42.72	40.67	38.68	37.04

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	35.05	33.53	31.78	30.37	28.97	27.39	26.22	24.99	23.94
45.0	37.98	36.34	34.41	33.01	31.60	29.67	28.44	27.21	25.63
90.0	35.17	33.59	31.84	30.31	28.91	27.68	26.22	25.11	23.99
135.0	36.28	34.65	33.07	31.60	29.67	28.38	27.15	25.52	24.40
180.0	34.53	33.01	31.54	30.08	28.50	27.27	25.98	24.64	23.76
225.0	33.42	31.60	30.14	28.91	27.68	26.45	25.16	23.99	23.17
270.0	34.53	33.01	31.60	30.14	28.50	27.27	26.04	24.93	23.76
315.0	33.24	31.95	30.14	28.73	27.51	26.04	24.87	23.76	22.88
360.0	35.05	33.53	31.78	30.37	28.97	27.39	26.22	24.99	23.94

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	22.77	21.95	21.07	20.31	19.49	18.90	18.43	18.49	18.73
45.0	24.52	23.64	22.59	21.71	21.01	20.31	19.90	19.96	20.54
90.0	22.94	22.06	21.24	20.42	20.13	20.48	20.89	21.95	22.77
135.0	23.17	22.30	21.42	20.48	19.72	19.08	18.49	17.79	17.21
180.0	22.82	21.77	21.07	20.48	19.84	19.31	18.96	18.55	18.96
225.0	22.30	21.48	20.89	20.31	19.90	19.55	19.66	20.66	21.83
270.0	22.88	22.12	22.36	22.65	22.53	23.64	25.40	26.51	27.39
315.0	21.77	20.95	20.25	19.61	18.90	18.14	17.67	17.03	16.50
360.0	22.77	21.95	21.07	20.31	19.49	18.90	18.43	18.49	18.73

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.08	19.49	19.55	19.25	19.02	18.38	17.73	16.44	15.27
45.0	20.95	21.65	21.95	21.95	21.71	21.01	19.72	17.73	16.74
90.0	22.30	21.71	21.36	20.13	19.90	19.08	18.32	17.26	15.27
135.0	16.68	16.33	15.74	15.33	14.92	14.46	14.10	13.58	13.23
180.0	19.43	19.84	20.13	20.01	19.78	19.02	17.79	16.80	14.51
225.0	22.88	23.58	23.82	23.88	22.88	20.42	18.49	16.27	14.28
270.0	27.62	27.68	26.57	25.93	25.05	24.35	23.23	21.71	18.61
315.0	16.09	15.57	15.22	14.81	14.40	13.99	13.64	13.28	12.93
360.0	19.08	19.49	19.55	19.25	19.02	18.38	17.73	16.44	15.27

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.93	12.41	12.00	11.70	11.41	11.06	10.65	10.48	10.30
45.0	15.04	13.40	12.82	12.35	11.94	11.70	11.06	10.65	10.42
90.0	12.87	12.23	11.88	11.65	11.24	10.77	10.59	10.36	10.24
135.0	12.93	12.58	12.29	12.00	11.59	10.83	10.53	10.30	10.30
180.0	12.93	12.47	12.11	11.94	11.12	10.59	10.30	10.12	10.18
225.0	12.70	12.35	12.00	11.35	10.83	10.48	10.36	10.18	10.24
270.0	14.16	12.58	12.06	11.82	11.59	10.94	10.53	10.42	10.12
315.0	12.58	12.23	11.94	11.65	11.41	10.71	10.42	10.30	10.07
360.0	13.93	12.41	12.00	11.70	11.41	11.06	10.65	10.48	10.30

Intensity data(cd)

C/γ(°)	90.0
0.0	10.12
45.0	10.42
90.0	10.07
135.0	10.18
180.0	10.12
225.0	10.18
270.0	10.24
315.0	10.24
360.0	10.12