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

NT

Client:
LumCAT: 3-2808-L
Luminaire: 92.70.429.00
Report No: 2024411-B018
Ballast type: AC

Test No: 2024411-C018	Voltage(V): 34.790
LampCAT: CREE CXA1830 LES14	Current(A): 0.530
Lamp flux(lm): 2685.0	Power (W): 18.438
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2246.57, Efficiency(%): 83.67% , Luminous Efficacy(lm/W): 121.84
Central intensity(cd): 4247.329, Maximum intensity(cd): 4247.329
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=42.8
[C90/270]Total=42.8
Field angle(10%Imax): [C0/180]Total=66.0
[C90/270]Total=66.0
Maximum s/h(1/2): C0_180=0.69 C90_270=0.69
Maximum s/h(1/4): C0_180=0.67 C90_270=0.67
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 83.67%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.309%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4247.329	0.000	0	0.00%	0.00%
1.0	4243.086	4.063	4.063	0.15%	0.18%
2.0	4234.308	12.168	16.23	0.45%	0.72%
3.0	4212.508	20.202	36.432	0.75%	1.62%
4.0	4187.124	28.116	64.548	1.05%	2.87%
5.0	4149.231	35.863	100.411	1.34%	4.47%
6.0	4105.851	43.383	143.794	1.62%	6.40%
7.0	4053.985	50.648	194.441	1.89%	8.66%
8.0	3987.343	57.550	251.992	2.14%	11.22%
9.0	3915.799	64.051	316.042	2.39%	14.07%
10.0	3820.773	70.013	386.056	2.61%	17.18%
11.0	3725.820	75.406	461.462	2.81%	20.54%
12.0	3602.484	80.109	541.57	2.98%	24.11%
13.0	3475.344	83.996	625.566	3.13%	27.85%
14.0	3343.010	87.274	712.841	3.25%	31.73%
15.0	3202.190	89.855	802.696	3.35%	35.73%
16.0	3048.057	91.584	894.28	3.41%	39.81%
17.0	2889.388	92.462	986.742	3.44%	43.92%
18.0	2719.306	92.475	1079.217	3.44%	48.04%
19.0	2545.714	91.601	1170.818	3.41%	52.12%
20.0	2373.877	90.042	1260.86	3.35%	56.12%
21.0	2188.215	87.601	1348.461	3.26%	60.02%
22.0	2012.135	84.408	1432.869	3.14%	63.78%
23.0	1857.270	81.191	1514.06	3.02%	67.39%
24.0	1690.993	77.578	1591.637	2.89%	70.85%
25.0	1476.815	72.029	1663.666	2.68%	74.05%
26.0	1287.312	65.248	1728.914	2.43%	76.96%
27.0	1200.340	60.861	1789.775	2.27%	79.67%
28.0	1077.794	57.678	1847.452	2.15%	82.23%
29.0	922.439	52.332	1899.784	1.95%	84.56%
30.0	784.560	46.089	1945.873	1.72%	86.62%
31.0	655.320	40.070	1985.943	1.49%	88.40%
32.0	539.753	34.237	2020.18	1.28%	89.92%
33.0	428.019	28.511	2048.691	1.06%	91.19%
34.0	327.777	22.873	2071.563	0.85%	92.21%
35.0	251.405	17.987	2089.551	0.67%	93.01%
36.0	206.723	14.587	2104.138	0.54%	93.66%
37.0	112.802	10.421	2114.559	0.39%	94.12%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	76.152	6.307	2120.866	0.23%	94.40%
39.0	63.914	4.781	2125.647	0.18%	94.62%
40.0	56.994	4.217	2129.864	0.16%	94.81%
41.0	51.975	3.880	2133.744	0.14%	94.98%
42.0	48.135	3.637	2137.381	0.14%	95.14%
43.0	44.770	3.441	2140.822	0.13%	95.29%
44.0	42.114	3.279	2144.102	0.12%	95.44%
45.0	39.605	3.141	2147.242	0.12%	95.58%
46.0	37.374	3.010	2150.253	0.11%	95.71%
47.0	35.479	2.898	2153.15	0.11%	95.84%
48.0	33.833	2.802	2155.952	0.10%	95.97%
49.0	32.312	2.716	2158.669	0.10%	96.09%
50.0	30.973	2.639	2161.307	0.10%	96.20%
51.0	29.883	2.575	2163.882	0.10%	96.32%
52.0	28.910	2.523	2166.405	0.09%	96.43%
53.0	28.179	2.483	2168.888	0.09%	96.54%
54.0	27.498	2.454	2171.342	0.09%	96.65%
55.0	26.957	2.431	2173.773	0.09%	96.76%
56.0	26.664	2.423	2176.196	0.09%	96.87%
57.0	26.569	2.434	2178.63	0.09%	96.98%
58.0	26.628	2.460	2181.09	0.09%	97.09%
59.0	26.716	2.494	2183.584	0.09%	97.20%
60.0	26.730	2.525	2186.109	0.09%	97.31%
61.0	26.708	2.550	2188.659	0.09%	97.42%
62.0	26.591	2.568	2191.227	0.10%	97.54%
63.0	26.357	2.575	2193.802	0.10%	97.65%
64.0	25.999	2.569	2196.371	0.10%	97.77%
65.0	25.457	2.547	2198.918	0.09%	97.88%
66.0	24.631	2.499	2201.417	0.09%	97.99%
67.0	23.555	2.423	2203.84	0.09%	98.10%
68.0	22.341	2.325	2206.165	0.09%	98.20%
69.0	21.631	2.243	2208.408	0.08%	98.30%
70.0	21.178	2.199	2210.607	0.08%	98.40%
71.0	20.885	2.174	2212.781	0.08%	98.50%
72.0	20.680	2.161	2214.942	0.08%	98.59%
73.0	20.929	2.176	2217.118	0.08%	98.69%
74.0	21.375	2.224	2219.342	0.08%	98.79%
75.0	22.165	2.301	2221.642	0.09%	98.89%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	22.531	2.373	2224.015	0.09%	99.00%
77.0	22.421	2.397	2226.412	0.09%	99.10%
78.0	21.917	2.373	2228.785	0.09%	99.21%
79.0	20.805	2.295	2231.081	0.09%	99.31%
80.0	19.422	2.169	2233.249	0.08%	99.41%
81.0	17.557	2.000	2235.249	0.07%	99.50%
82.0	14.931	1.762	2237.011	0.07%	99.57%
83.0	12.531	1.493	2238.504	0.06%	99.64%
84.0	11.500	1.309	2239.813	0.05%	99.70%
85.0	10.929	1.224	2241.037	0.05%	99.75%
86.0	10.395	1.166	2242.203	0.04%	99.81%
87.0	10.124	1.123	2243.326	0.04%	99.86%
88.0	9.890	1.096	2244.422	0.04%	99.90%
89.0	9.788	1.079	2245.501	0.04%	99.95%
90.0	9.766	1.072	2246.573	0.04%	100.00%

Zonal flux distribution table

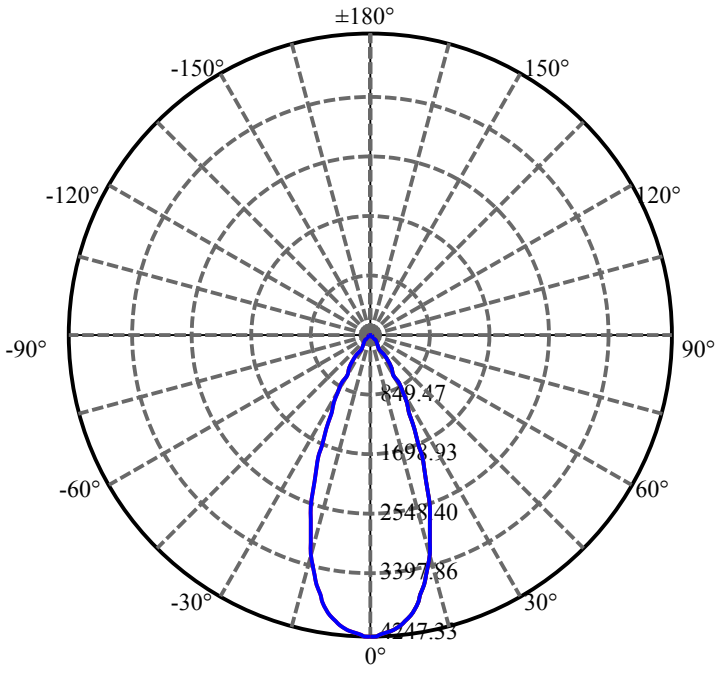
ZONAL LUMEN SUMMARY

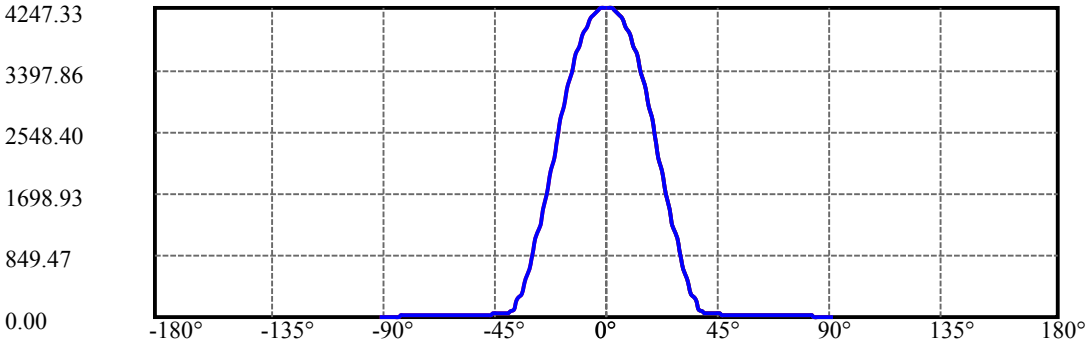
Zone	Lumens	%Lamp	%Fixt
0-30	1945.87	72.47%	86.62%
0-40	2129.86	79.32%	94.81%
0-60	2186.11	81.42%	97.31%
0-90	2245.50	83.63%	99.95%
0-120	2245.50	83.63%	99.95%
0-180	2246.57	83.67%	100.00%
60-90	59.39	2.21%	2.64%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.13	1797.26	66.94%	80.00%

ZONAL LUMEN SUMMARY

0-10	386.06
10-20	874.80
20-30	685.01
30-40	183.99
40-50	31.44
50-60	24.80
60-70	24.50
70-80	22.64
80-90	12.25
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):

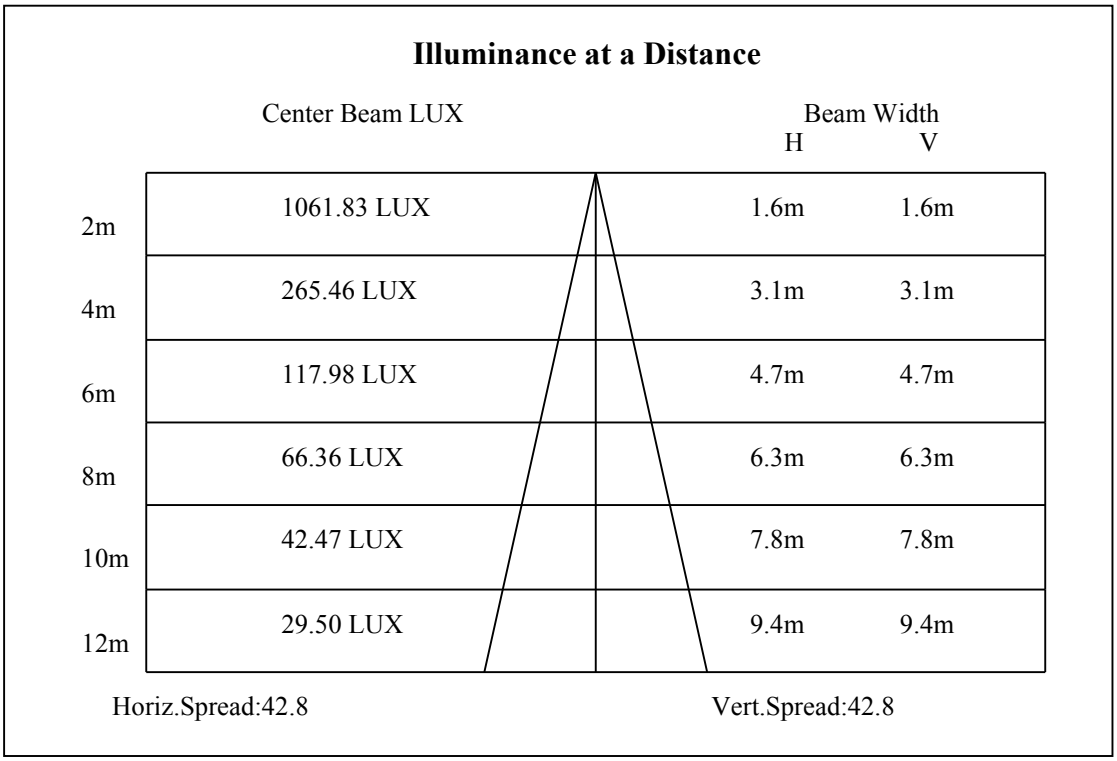
C0/C180:

C90/C270:

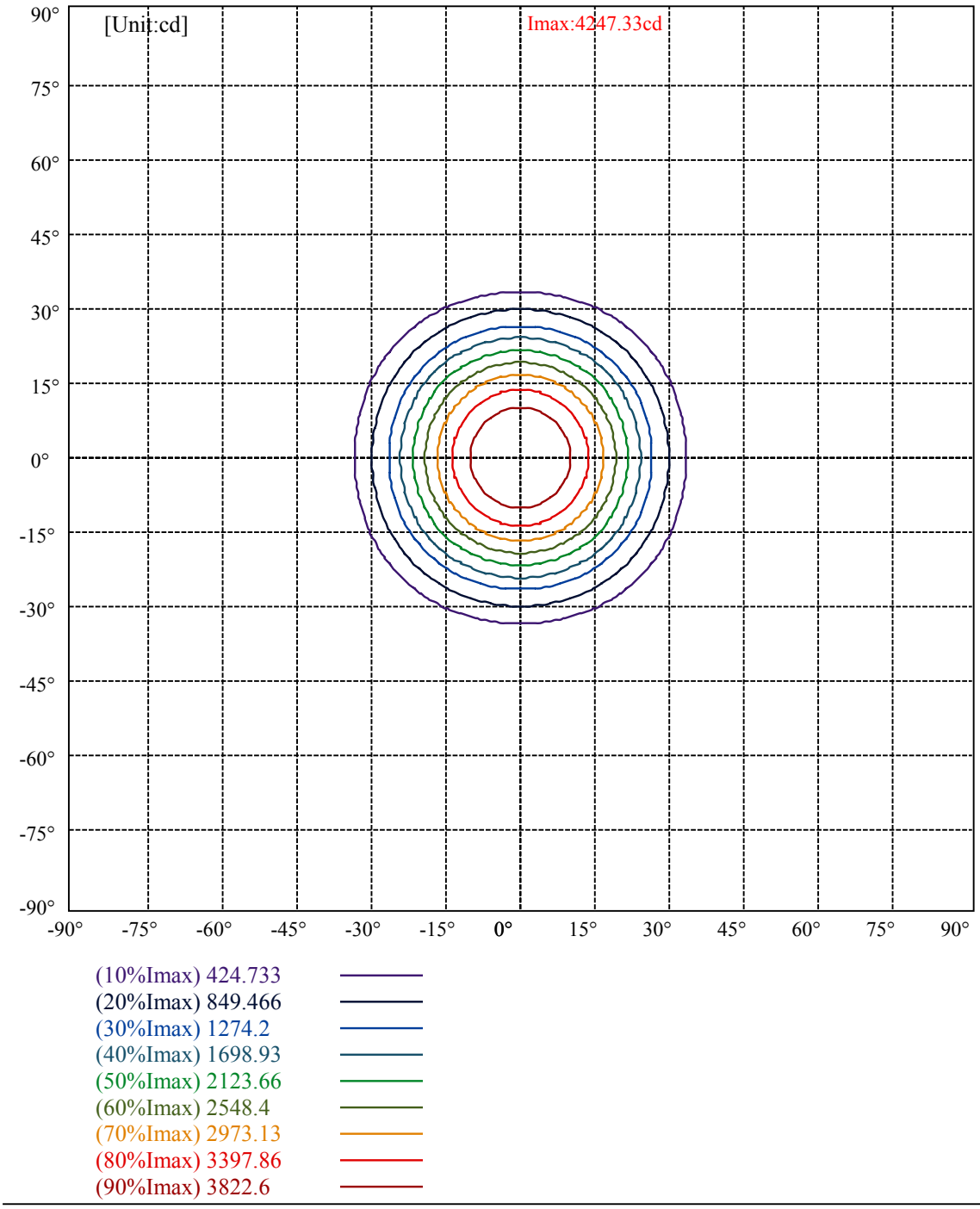
Field angle(10%Imax):C0/180Left:33.0 Right:33.0
:C90/270Left:33.0 Right:33.0

Beam Angle(50%Imax):C0/180Left:21.4 Right:21.4
:C90/270Left:21.4 Right:21.4

Lux distance Curve



ISO-Intensity(V-H)

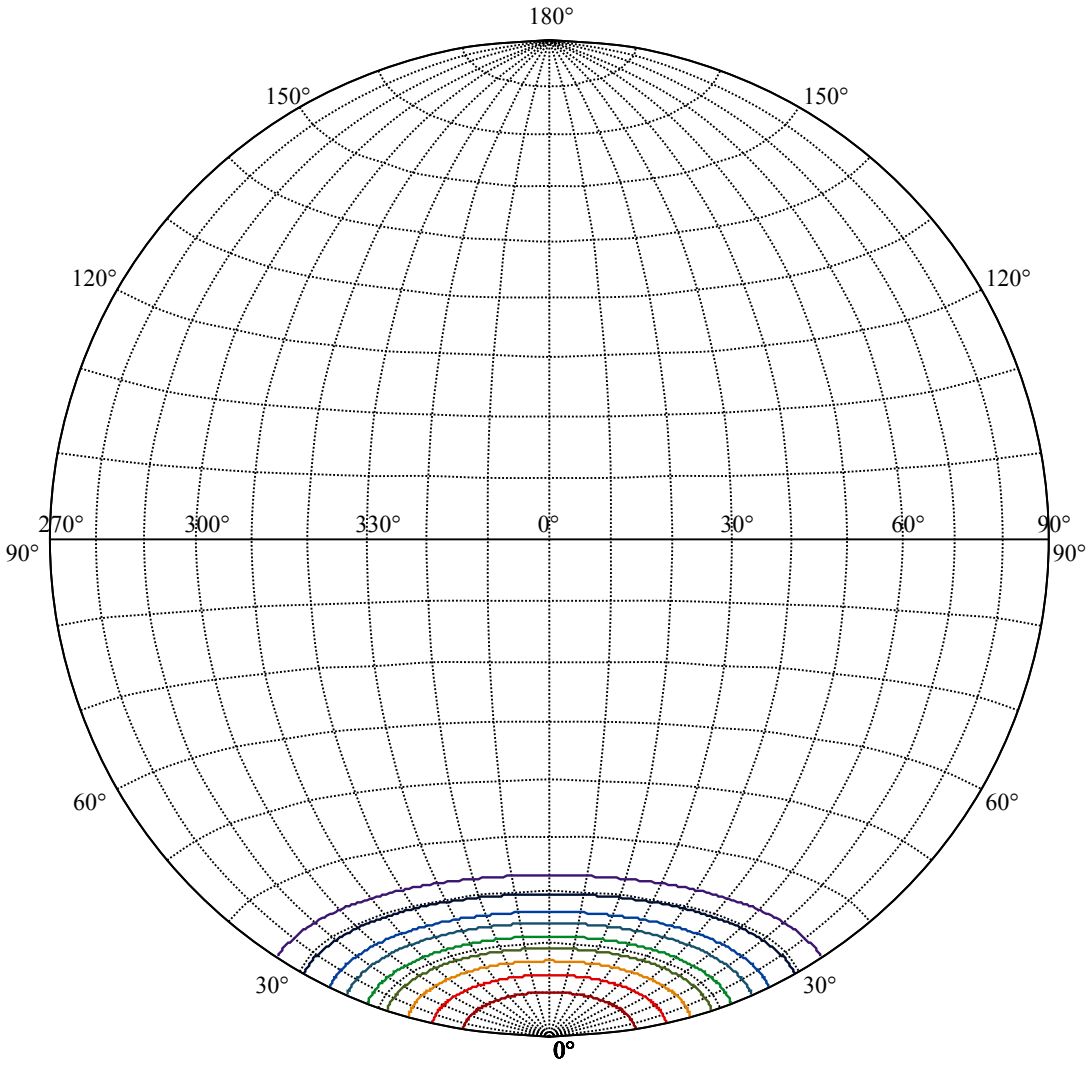


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/11
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web

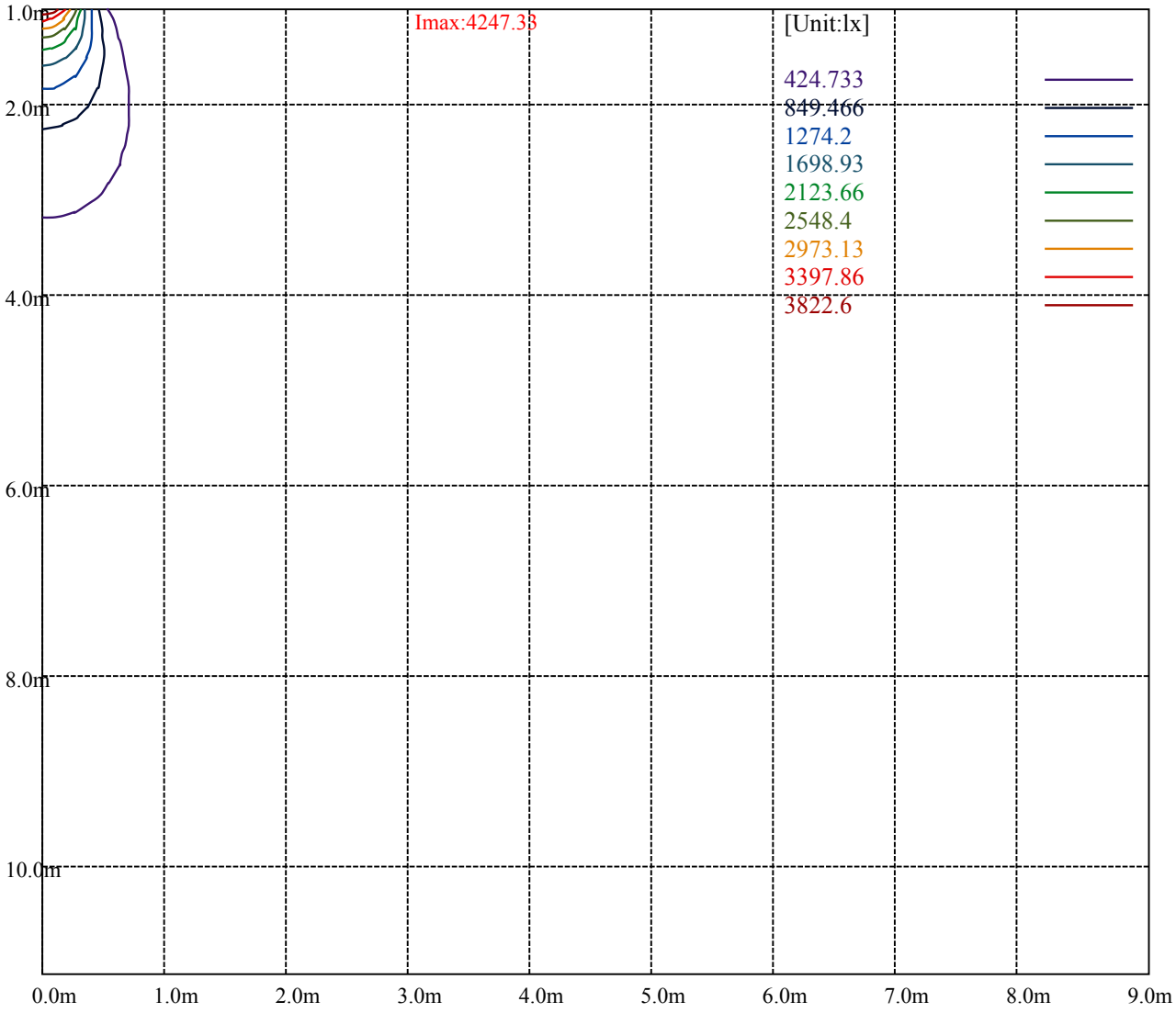


House [Unit:cd] Road

Imax:4247.33

(10%Imax) 424.733
(20%Imax) 849.466
(30%Imax) 1274.2
(40%Imax) 1698.93
(50%Imax) 2123.66
(60%Imax) 2548.4
(70%Imax) 2973.13
(80%Imax) 3397.86
(90%Imax) 3822.6

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/11
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 3-2808-L

Luminance Limitting Curve(no luminous side)

Luminance Table

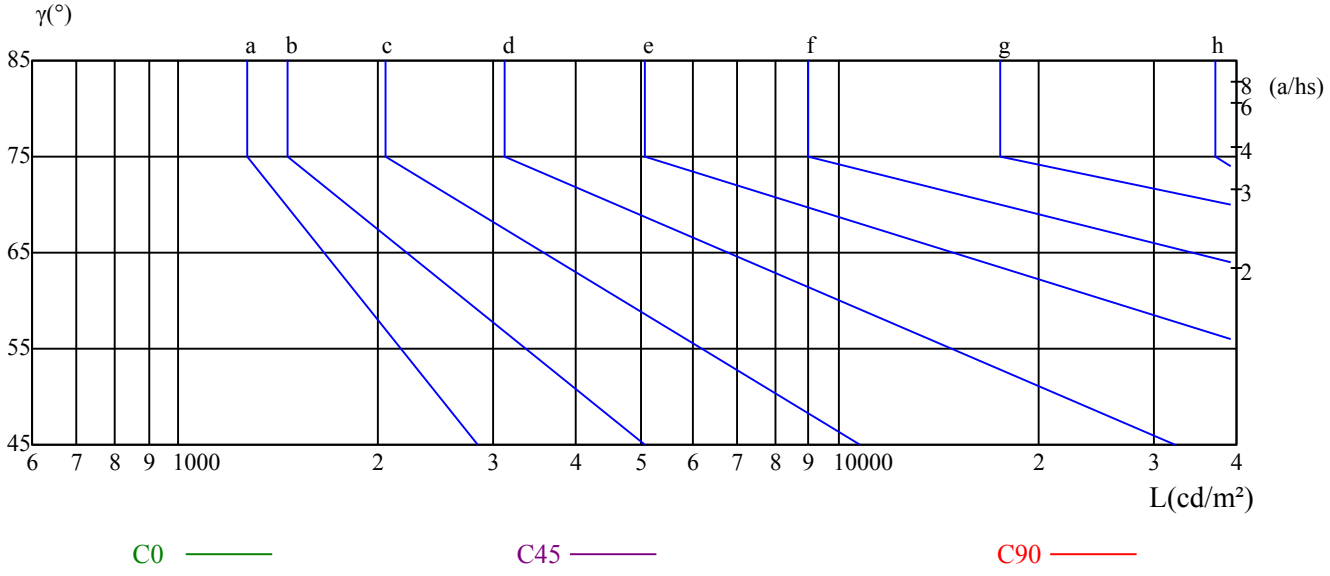
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

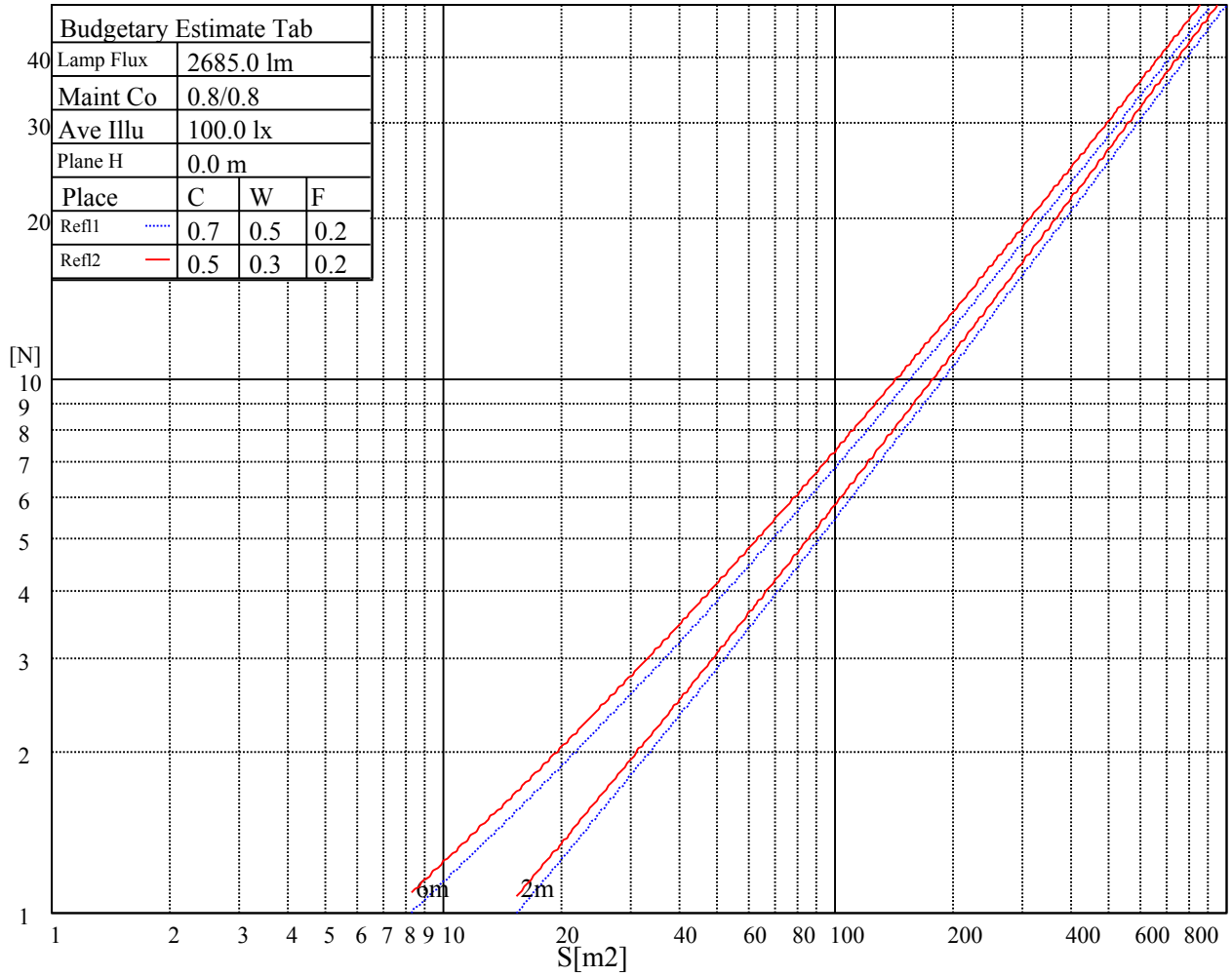
Date: 2024/4/11
Humidity(%): 60.0%

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

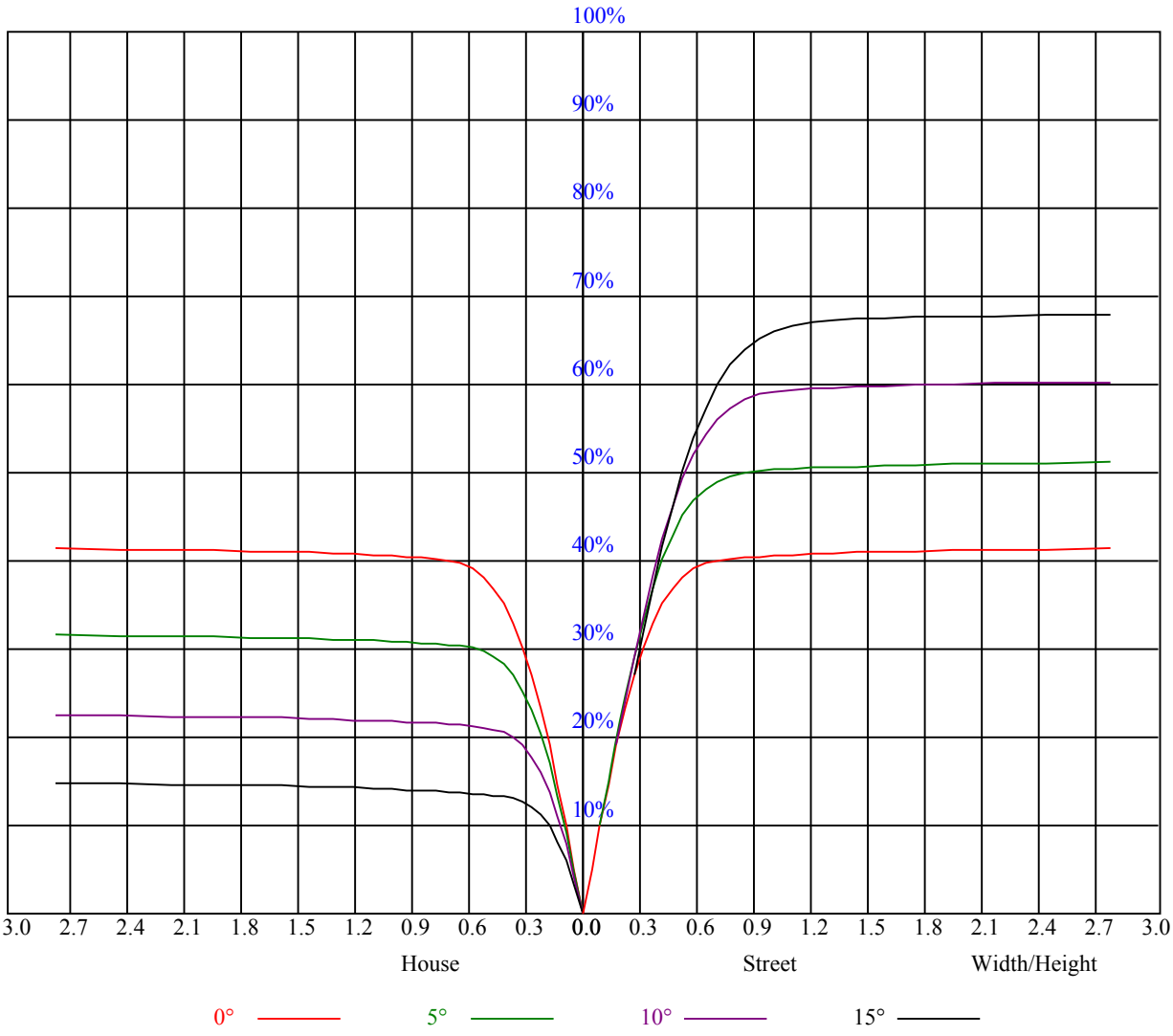


Equipment: GMS1980	Date: 2024/4/11	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

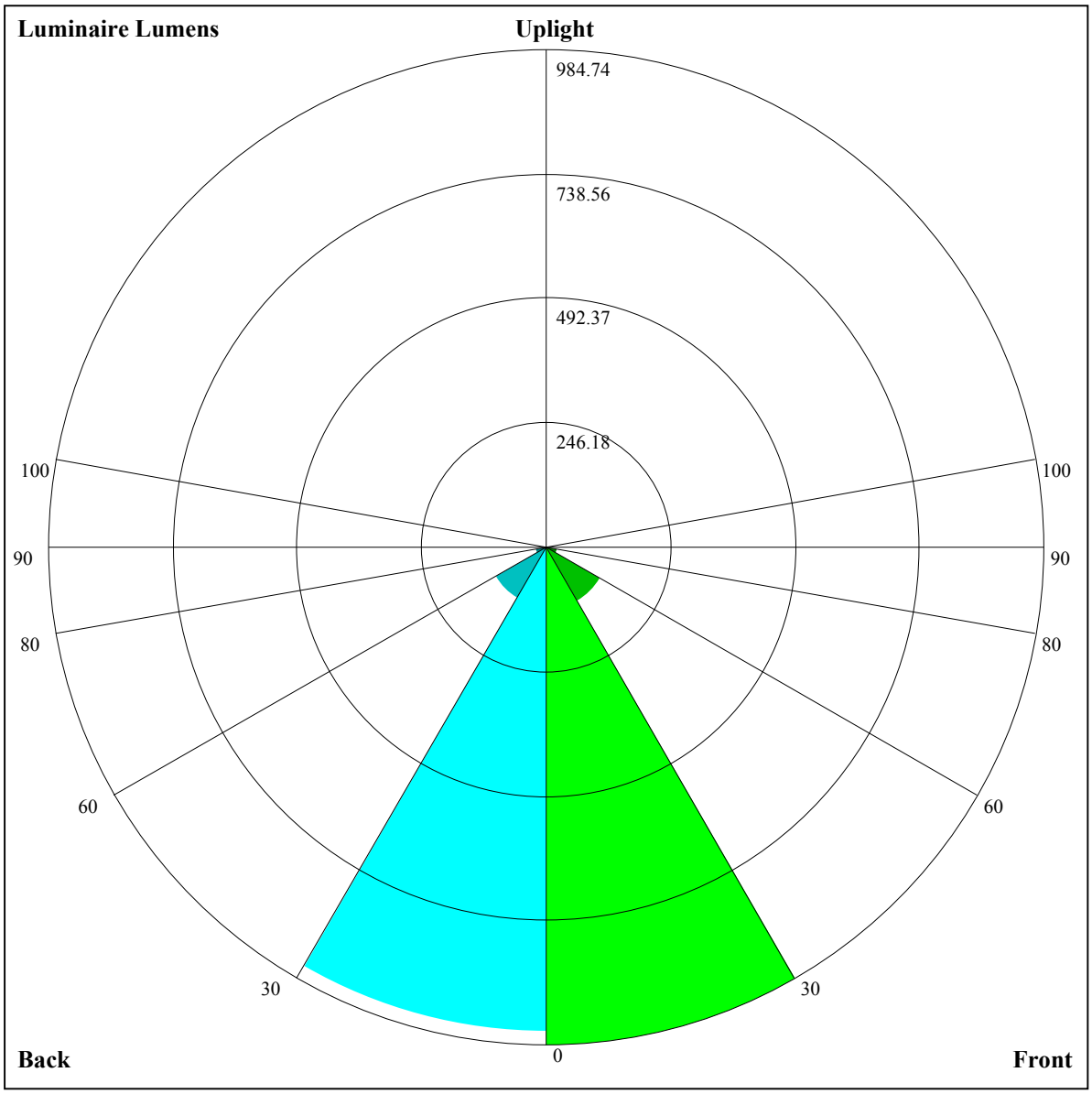
Utilization factor table for indoor luminaire

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	1.00	1.00	1.00	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.84
1	0.93	0.91	0.89	0.91	0.89	0.88	0.88	0.86	0.85	0.85	0.83	0.82	0.82	0.81	0.80	0.79
2	0.87	0.84	0.81	0.86	0.83	0.80	0.83	0.81	0.79	0.81	0.79	0.77	0.78	0.77	0.75	0.74
3	0.82	0.78	0.75	0.81	0.78	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	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.73	0.71	0.68	0.72	0.70	0.68	0.66
5	0.74	0.69	0.66	0.73	0.69	0.66	0.72	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	0.70	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.63	0.61	0.60
7	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.59	0.63	0.61	0.58	0.57
8	0.64	0.59	0.56	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	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	0.56	0.54	0.59	0.56	0.53	0.59	0.56	0.53	0.52
10	0.59	0.54	0.51	0.58	0.54	0.51	0.58	0.54	0.51	0.57	0.54	0.51	0.56	0.53	0.51	0.50

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/11	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=984.74,FM=124.69,FH=24.21,FVH=6.95
BL=957.35,BM=116.9,BH=24.02,BVH=6.66
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	4250.55	4254.06	4245.87	4227.72	4204.31	4166.86	4130.58	4074.39	4022.31
45.0	4247.62	4242.35	4244.70	4230.06	4206.07	4187.34	4129.41	4083.17	4029.33
90.0	4249.96	4237.09	4221.87	4201.97	4158.08	4095.46	4048.06	3974.91	3902.34
135.0	4241.18	4238.26	4232.41	4201.97	4180.32	4138.18	4097.22	4051.57	3970.81
180.0	4250.55	4247.04	4232.41	4209.00	4177.98	4144.04	4104.24	4053.91	3984.27
225.0	4247.62	4233.58	4222.46	4183.25	4158.08	4108.34	4072.05	4024.07	3934.53
270.0	4249.96	4245.28	4241.77	4235.92	4217.78	4196.12	4160.42	4112.43	4053.33
315.0	4241.18	4247.04	4232.99	4210.17	4194.37	4157.50	4104.83	4057.42	4001.83
360.0	4250.55	4254.06	4245.87	4227.72	4204.31	4166.86	4130.58	4074.39	4022.31

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3955.59	3852.01	3762.47	3648.35	3504.39	3377.39	3246.89	3107.60	2917.41
45.0	3974.91	3880.69	3796.41	3671.76	3570.52	3447.03	3291.95	3157.35	3011.04
90.0	3819.24	3713.31	3602.70	3487.41	3358.66	3198.31	3061.37	2916.82	2761.74
135.0	3901.17	3813.97	3716.82	3581.64	3468.10	3341.11	3203.58	3027.43	2881.71
180.0	3909.95	3798.17	3700.44	3586.90	3436.50	3308.34	3168.47	3023.92	2844.25
225.0	3849.67	3755.45	3647.77	3493.85	3369.78	3237.52	3100.58	2919.75	2764.66
270.0	3998.90	3916.38	3834.45	3737.31	3602.12	3472.20	3341.11	3169.64	3015.72
315.0	3916.97	3836.21	3745.50	3612.65	3492.68	3362.18	3203.58	3061.96	2918.58
360.0	3955.59	3852.01	3762.47	3648.35	3504.39	3377.39	3246.89	3107.60	2917.41

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2758.81	2599.04	2432.84	2216.31	2050.10	1891.51	1704.82	1555.59	1134.46
45.0	2825.52	2678.05	2508.92	2353.25	2143.74	1988.07	1834.74	1693.11	1515.21
90.0	2561.00	2400.65	2232.69	2031.96	1879.22	1727.64	1543.88	1149.21	1149.21
135.0	2723.11	2524.13	2356.76	2192.31	1993.92	1845.86	1695.46	1515.21	1368.90
180.0	2686.83	2512.43	2347.40	2146.08	1981.63	1819.52	1649.81	1508.77	1334.37
225.0	2601.97	2387.78	2222.16	2017.33	1866.93	1720.03	1574.90	1154.47	1154.47
270.0	2872.93	2710.24	2511.84	2343.30	2172.41	2007.38	1817.18	1676.73	1485.94
315.0	2724.28	2553.40	2378.41	2205.19	2009.14	1858.15	1707.16	1561.44	1155.94
360.0	2758.81	2599.04	2432.84	2216.31	2050.10	1891.51	1704.82	1555.59	1134.46

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1134.46	1097.59	959.65	799.71	676.40	561.99	459.05	336.80	249.72
45.0	1370.07	1219.67	1051.12	917.69	781.92	639.71	530.27	426.69	307.89
90.0	1073.54	935.37	811.18	684.07	542.97	439.45	344.35	255.51	163.69
135.0	1222.59	1074.53	902.48	776.07	656.10	543.73	416.74	324.86	303.79
180.0	1189.24	1049.95	916.52	747.98	628.59	516.81	414.98	299.11	299.11
225.0	1119.01	976.68	817.15	693.90	577.09	471.28	352.07	266.75	170.59
270.0	1337.88	1188.07	1013.67	873.21	743.29	621.57	486.38	385.72	295.60
315.0	1155.94	1080.50	907.74	783.85	636.20	523.48	420.31	326.79	220.86
360.0	1134.46	1097.59	959.65	799.71	676.40	561.99	459.05	336.80	249.72

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	173.81	115.64	76.96	66.42	58.58	53.61	49.74	45.76	43.01
45.0	307.89	207.05	96.15	71.05	62.62	57.18	52.67	48.28	45.35
90.0	108.97	77.66	64.26	57.76	52.09	48.69	45.76	42.55	40.32
135.0	303.79	95.51	73.39	63.61	56.06	51.62	47.34	44.42	41.90
180.0	202.08	95.63	69.76	61.04	55.36	49.86	46.47	43.01	40.56
225.0	111.02	77.37	63.09	56.53	51.79	47.23	44.48	41.90	39.62
270.0	295.60	133.20	89.71	71.28	61.92	54.84	50.50	47.11	43.66
315.0	150.64	100.37	75.90	63.61	57.53	52.79	48.11	45.12	42.49
360.0	173.81	115.64	76.96	66.42	58.58	53.61	49.74	45.76	43.01

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	40.56	38.39	36.05	34.41	32.89	31.49	30.14	29.20	28.56
45.0	42.78	39.91	37.86	36.05	34.06	32.60	31.43	30.08	29.26
90.0	38.16	36.28	34.24	32.77	31.49	30.37	29.26	28.56	27.92
135.0	38.98	36.93	35.23	33.59	31.84	30.61	29.61	28.79	27.92
180.0	38.39	35.93	34.24	32.77	31.49	30.08	29.14	28.27	27.62
225.0	37.16	35.41	33.94	32.54	31.02	29.96	29.03	28.15	27.56
270.0	41.20	38.57	36.58	34.88	33.42	31.72	30.55	29.50	28.62
315.0	39.62	37.57	35.70	33.65	32.30	30.96	29.90	28.73	27.97
360.0	40.56	38.39	36.05	34.41	32.89	31.49	30.14	29.20	28.56

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.68	27.15	26.74	26.45	26.34	26.28	26.16	26.04	25.93
45.0	28.62	27.86	27.33	27.10	26.98	27.04	27.04	27.10	27.10
90.0	27.39	26.92	26.74	26.69	26.74	26.86	26.92	26.80	26.57
135.0	27.27	26.69	26.39	26.34	26.39	26.51	26.51	26.51	26.34
180.0	26.92	26.45	26.22	26.10	26.16	26.22	26.28	26.28	26.10
225.0	26.92	26.51	26.34	26.39	26.57	26.57	26.51	26.51	26.39
270.0	27.80	27.21	26.86	26.80	26.98	27.21	27.39	27.45	27.39
315.0	27.39	26.86	26.69	26.69	26.86	27.04	27.04	26.98	26.92
360.0	27.68	27.15	26.74	26.45	26.34	26.28	26.16	26.04	25.93

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.75	25.57	25.16	24.58	23.53	22.30	21.48	20.54	19.96
45.0	26.98	26.86	26.45	25.87	24.93	23.53	22.41	21.54	20.78
90.0	26.39	25.75	25.05	24.11	22.88	22.06	23.00	24.70	26.69
135.0	25.93	25.52	24.87	23.88	23.00	21.83	20.95	20.48	19.96
180.0	25.81	25.40	24.87	23.99	22.65	21.59	20.78	20.13	19.43
225.0	26.16	25.75	25.05	24.05	22.82	21.59	20.89	20.13	19.72
270.0	27.21	26.98	26.69	25.81	24.93	23.82	22.41	21.42	20.78
315.0	26.63	26.16	25.52	24.76	23.70	22.00	21.13	20.48	19.78
360.0	25.75	25.57	25.16	24.58	23.53	22.30	21.48	20.54	19.96

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.25	18.84	18.49	18.32	18.14	18.02	17.79	17.44	16.62
45.0	19.90	19.49	19.37	20.48	22.77	25.16	27.15	26.28	24.58
90.0	28.15	29.85	31.66	33.18	33.12	31.95	30.37	28.97	27.39
135.0	19.31	18.96	18.79	18.73	18.61	18.49	17.97	17.26	16.56
180.0	19.02	18.73	18.38	18.14	17.97	17.73	17.38	16.85	16.04
225.0	19.96	21.01	22.71	25.63	26.92	26.34	24.40	20.89	17.15
270.0	20.72	21.83	23.17	24.58	24.76	23.94	22.88	21.71	20.48
315.0	19.14	18.73	18.43	18.26	17.97	17.73	17.38	17.03	16.56
360.0	19.25	18.84	18.49	18.32	18.14	18.02	17.79	17.44	16.62

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.68	13.81	12.41	11.70	11.41	10.53	10.24	10.01	9.89
45.0	21.42	17.79	13.87	11.88	11.29	11.00	10.36	10.07	9.83
90.0	24.29	18.55	11.94	11.24	10.77	10.18	10.01	9.77	9.71
135.0	15.51	13.69	12.29	11.41	10.89	10.24	10.01	9.77	9.71
180.0	14.86	12.93	11.82	11.29	10.53	10.24	10.07	9.89	9.83
225.0	14.16	12.93	11.88	10.94	10.42	10.18	10.01	9.83	9.77
270.0	19.02	15.57	13.40	12.17	11.18	10.53	10.24	9.95	9.83
315.0	15.51	14.16	12.64	11.35	10.94	10.24	10.07	9.83	9.71
360.0	15.68	13.81	12.41	11.70	11.41	10.53	10.24	10.01	9.89

Intensity data(cd)

C/γ(°)	90.0
0.0	9.83
45.0	9.77
90.0	9.83
135.0	9.71
180.0	9.77
225.0	9.77
270.0	9.71
315.0	9.71
360.0	9.83