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NT

Client:
LumCAT: 2-2680-L
Luminaire: 92.70.411.00
Report No: 2024402-B006
Ballast type: AC

Test No: 2024402-C006	Voltage(V): 35.170
LampCAT: LUMILEDS LUXEON 1205	Current(A): 0.485
Lamp flux(lm): 2202.0	Power (W): 17.057
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1832.89, Efficiency(%): 83.24% , Luminous Efficacy(lm/W): 107.46
Central intensity(cd): 4144.330, Maximum intensity(cd): 4144.330
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=64.2
[C90/270]Total=64.2
Maximum s/h(1/2): C0_180=0.60 C90_270=0.60
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(%): 83.24%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.985%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4144.329	0.000	0	0.00%	0.00%
1.0	4136.136	3.962	3.962	0.18%	0.22%
2.0	4115.214	11.843	15.805	0.54%	0.86%
3.0	4078.126	19.596	35.401	0.89%	1.93%
4.0	4030.649	27.143	62.544	1.23%	3.41%
5.0	3964.153	34.393	96.937	1.56%	5.29%
6.0	3888.586	41.268	138.205	1.87%	7.54%
7.0	3802.558	47.739	185.944	2.17%	10.14%
8.0	3691.146	53.631	239.575	2.44%	13.07%
9.0	3576.515	58.900	298.475	2.67%	16.28%
10.0	3443.303	63.527	362.002	2.88%	19.75%
11.0	3314.627	67.526	429.528	3.07%	23.43%
12.0	3163.200	70.812	500.34	3.22%	27.30%
13.0	3009.432	73.254	573.593	3.33%	31.29%
14.0	2839.863	74.870	648.464	3.40%	35.38%
15.0	2680.682	75.788	724.252	3.44%	39.51%
16.0	2505.260	75.989	800.241	3.45%	43.66%
17.0	2328.522	75.275	875.516	3.42%	47.77%
18.0	2144.250	73.746	949.262	3.35%	51.79%
19.0	1967.878	71.543	1020.805	3.25%	55.69%
20.0	1786.604	68.717	1089.522	3.12%	59.44%
21.0	1591.988	64.876	1154.398	2.95%	62.98%
22.0	1426.486	60.658	1215.055	2.75%	66.29%
23.0	1275.622	56.698	1271.753	2.57%	69.38%
24.0	1163.127	53.320	1325.073	2.42%	72.29%
25.0	1063.354	50.625	1375.698	2.30%	75.06%
26.0	962.827	47.828	1423.526	2.17%	77.67%
27.0	861.312	44.628	1468.154	2.03%	80.10%
28.0	764.326	41.158	1509.312	1.87%	82.35%
29.0	667.793	37.468	1546.78	1.70%	84.39%
30.0	580.287	33.698	1580.478	1.53%	86.23%
31.0	496.637	29.969	1610.447	1.36%	87.86%
32.0	422.452	26.331	1636.778	1.20%	89.30%
33.0	350.952	22.785	1659.563	1.03%	90.54%
34.0	297.623	19.628	1679.191	0.89%	91.61%
35.0	244.500	16.836	1696.027	0.76%	92.53%
36.0	186.665	13.728	1709.755	0.62%	93.28%
37.0	141.785	10.712	1720.468	0.49%	93.87%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	96.877	7.966	1728.434	0.36%	94.30%
39.0	79.239	6.011	1734.445	0.27%	94.63%
40.0	70.132	5.210	1739.655	0.24%	94.91%
41.0	63.512	4.759	1744.414	0.22%	95.17%
42.0	57.981	4.414	1748.828	0.20%	95.41%
43.0	52.999	4.111	1752.939	0.19%	95.64%
44.0	48.852	3.844	1756.783	0.17%	95.85%
45.0	44.814	3.600	1760.383	0.16%	96.04%
46.0	41.507	3.376	1763.758	0.15%	96.23%
47.0	38.354	3.176	1766.935	0.14%	96.40%
48.0	35.523	2.987	1769.921	0.14%	96.56%
49.0	32.941	2.812	1772.733	0.13%	96.72%
50.0	30.658	2.652	1775.384	0.12%	96.86%
51.0	28.647	2.509	1777.894	0.11%	97.00%
52.0	26.847	2.381	1780.275	0.11%	97.13%
53.0	25.165	2.263	1782.537	0.10%	97.25%
54.0	23.753	2.156	1784.693	0.10%	97.37%
55.0	22.414	2.061	1786.754	0.09%	97.48%
56.0	21.339	1.977	1788.731	0.09%	97.59%
57.0	20.271	1.902	1790.634	0.09%	97.69%
58.0	19.356	1.832	1792.466	0.08%	97.79%
59.0	18.552	1.772	1794.238	0.08%	97.89%
60.0	17.813	1.718	1795.956	0.08%	97.98%
61.0	17.169	1.669	1797.626	0.08%	98.08%
62.0	16.584	1.626	1799.252	0.07%	98.16%
63.0	16.035	1.586	1800.839	0.07%	98.25%
64.0	15.508	1.548	1802.387	0.07%	98.34%
65.0	15.084	1.514	1803.901	0.07%	98.42%
66.0	14.623	1.482	1805.383	0.07%	98.50%
67.0	14.214	1.450	1806.833	0.07%	98.58%
68.0	13.884	1.423	1808.256	0.06%	98.66%
69.0	13.650	1.405	1809.661	0.06%	98.73%
70.0	13.482	1.393	1811.054	0.06%	98.81%
71.0	13.124	1.375	1812.429	0.06%	98.88%
72.0	12.685	1.342	1813.771	0.06%	98.96%
73.0	12.516	1.318	1815.089	0.06%	99.03%
74.0	11.939	1.286	1816.375	0.06%	99.10%
75.0	11.763	1.252	1817.627	0.06%	99.17%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.309	1.225	1818.852	0.06%	99.23%
77.0	11.010	1.190	1820.042	0.05%	99.30%
78.0	10.673	1.161	1821.203	0.05%	99.36%
79.0	10.402	1.132	1822.335	0.05%	99.42%
80.0	10.000	1.100	1823.435	0.05%	99.48%
81.0	9.598	1.060	1824.495	0.05%	99.54%
82.0	9.239	1.021	1825.516	0.05%	99.60%
83.0	8.976	0.990	1826.506	0.04%	99.65%
84.0	8.764	0.966	1827.473	0.04%	99.70%
85.0	8.552	0.945	1828.418	0.04%	99.76%
86.0	8.296	0.921	1829.339	0.04%	99.81%
87.0	8.164	0.901	1830.24	0.04%	99.86%
88.0	8.083	0.890	1831.13	0.04%	99.90%
89.0	8.054	0.885	1832.014	0.04%	99.95%
90.0	7.981	0.879	1832.893	0.04%	100.00%

Zonal flux distribution table

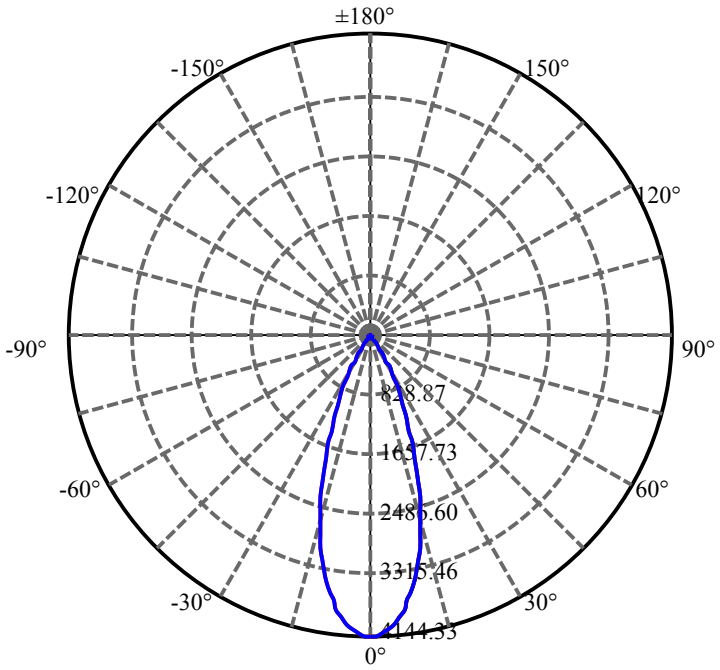
ZONAL LUMEN SUMMARY

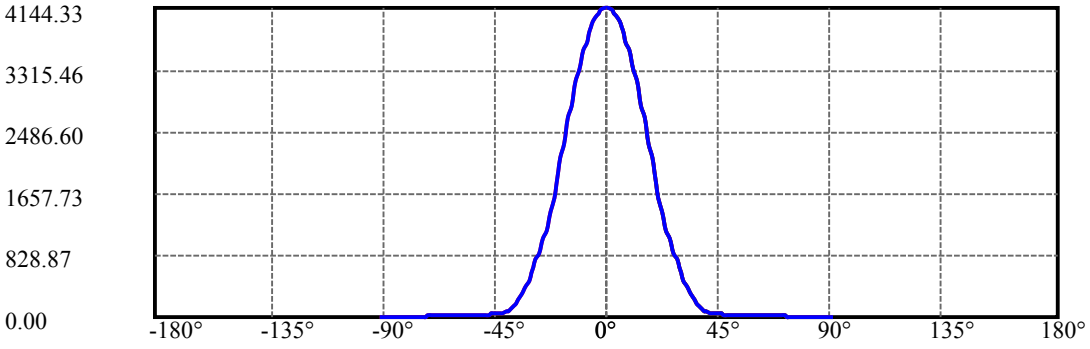
Zone	Lumens	%Lamp	%Fixt
0-30	1580.48	71.77%	86.23%
0-40	1739.65	79.00%	94.91%
0-60	1795.96	81.56%	97.98%
0-90	1832.01	83.20%	99.95%
0-120	1832.01	83.20%	99.95%
0-180	1832.89	83.24%	100.00%
60-90	36.06	1.64%	1.97%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.96	1466.32	66.59%	80.00%

ZONAL LUMEN SUMMARY

0-10	362.00
10-20	727.52
20-30	490.96
30-40	159.18
40-50	35.73
50-60	20.57
60-70	15.10
70-80	12.38
80-90	8.58
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):

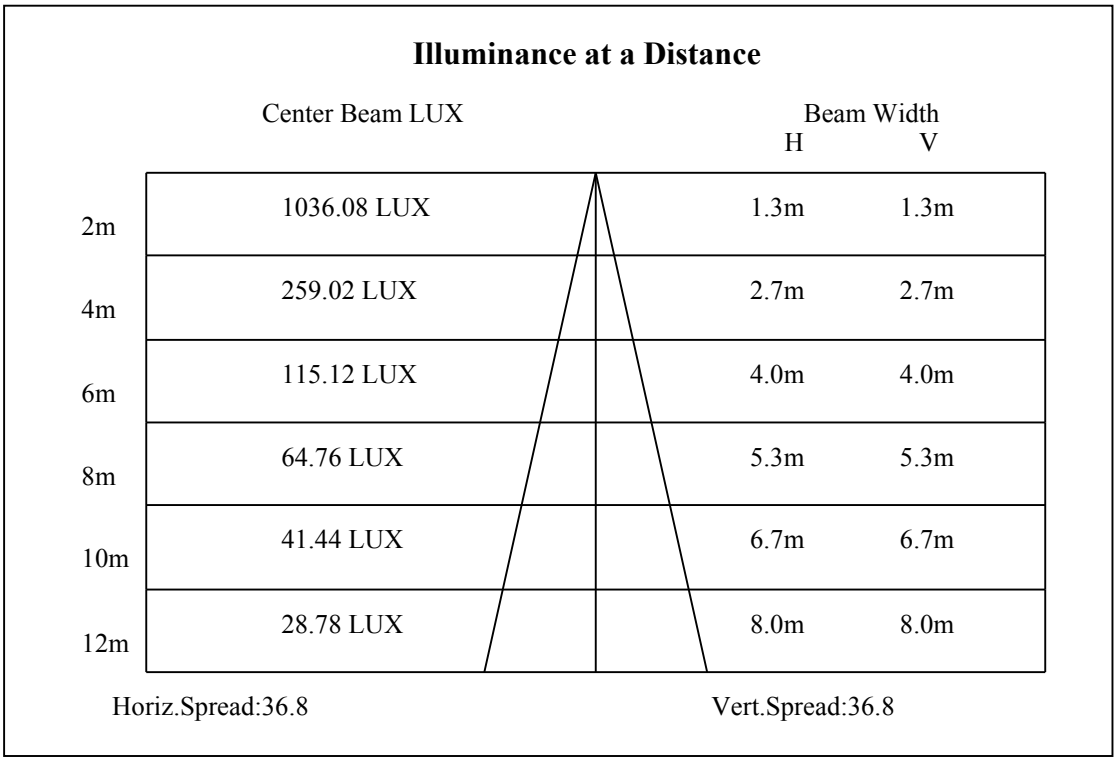
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:32.1 Right:32.1
:C90/270Left:32.1 Right:32.1

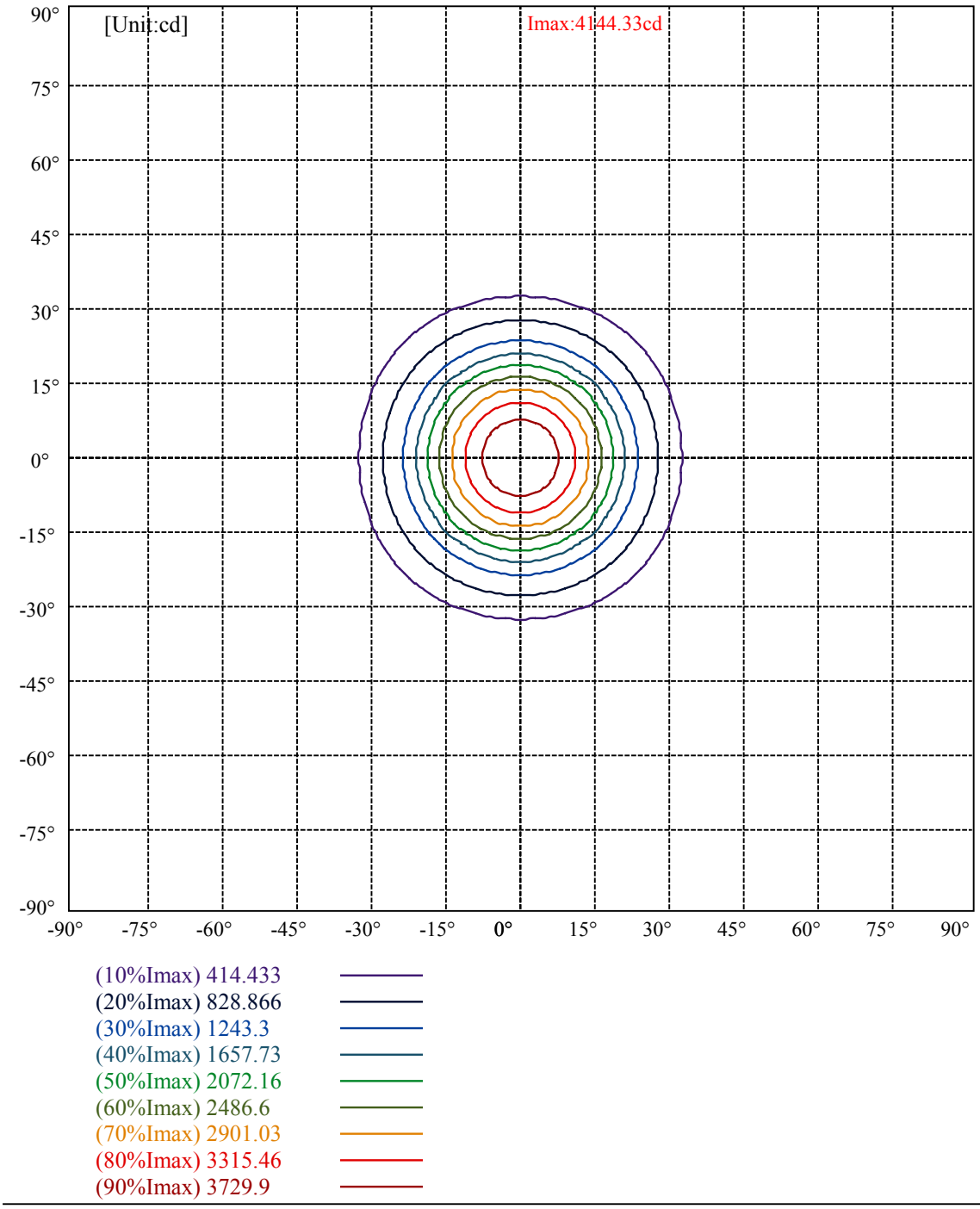
Beam Angle(50%Imax):C0/180Left:18.4 Right:18.4
:C90/270Left:18.4 Right:18.4

Lux distance Curve



Equipment: GMS1980 Date: 2024/4/02 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

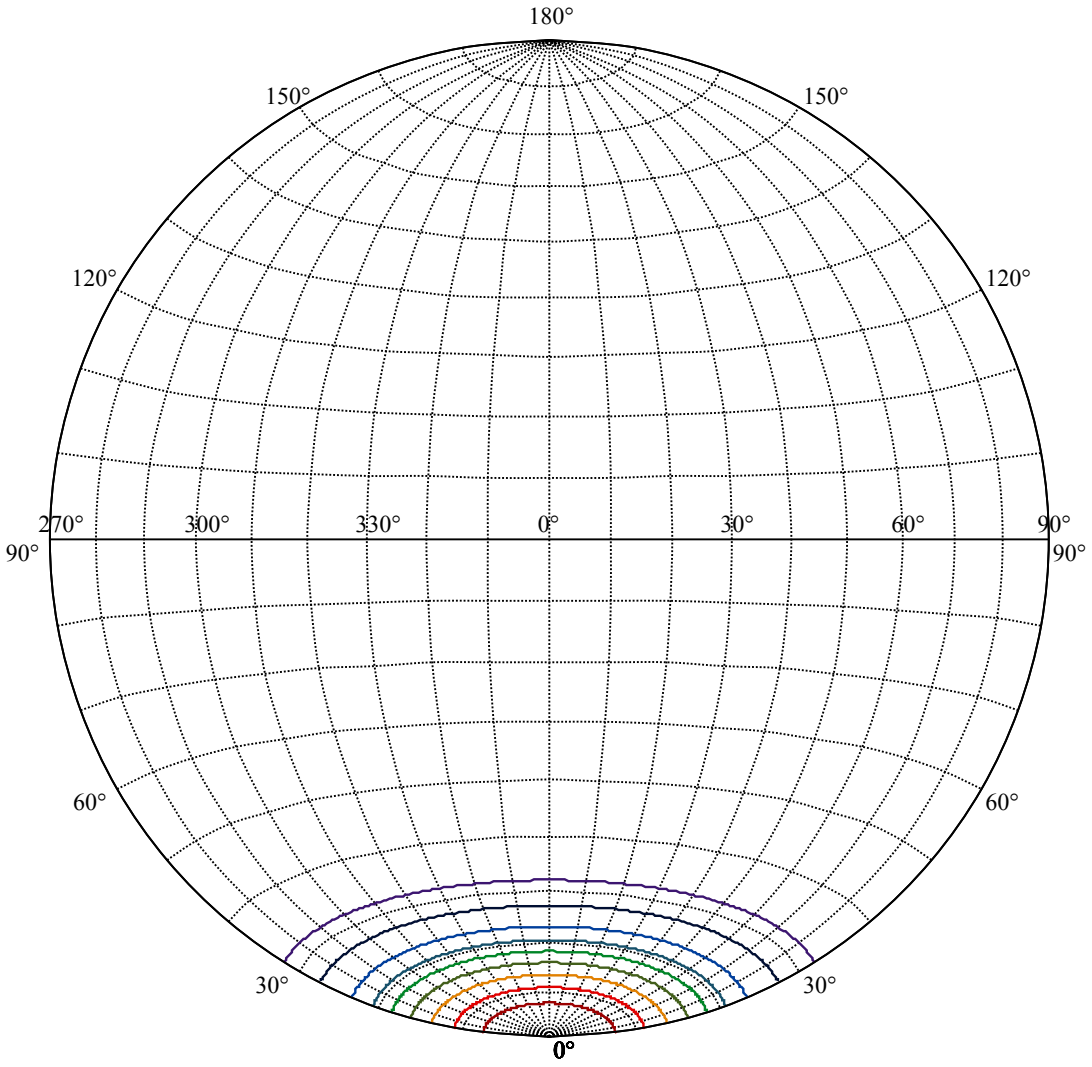


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/02
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



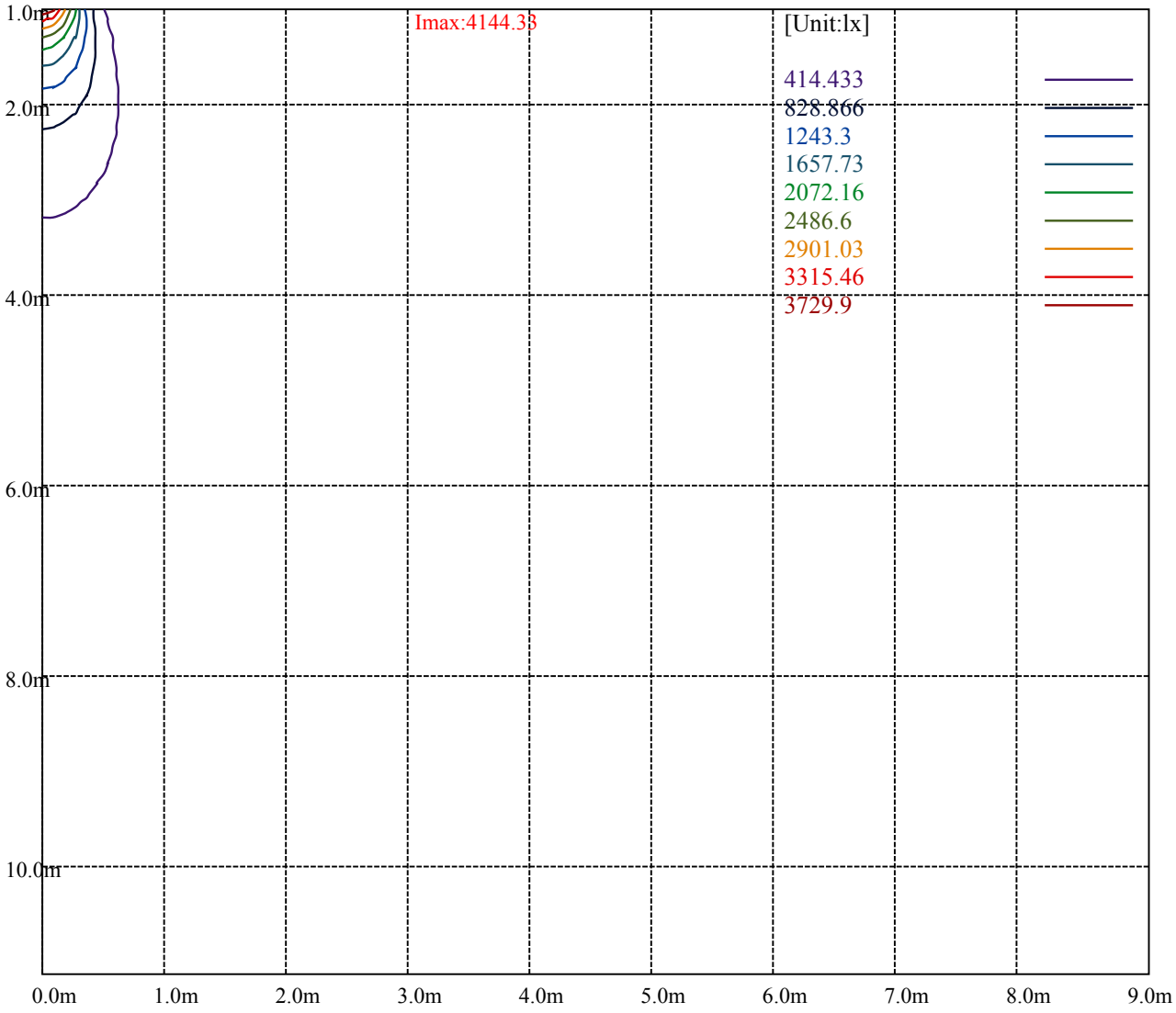
House [Unit:cd] Road

Imax:4144.33

(10%Imax) 414.433
(20%Imax) 828.866
(30%Imax) 1243.3
(40%Imax) 1657.73
(50%Imax) 2072.16
(60%Imax) 2486.6
(70%Imax) 2901.03
(80%Imax) 3315.46
(90%Imax) 3729.9

Equipment: GMS1980	Date: 2024/4/02	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/02
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

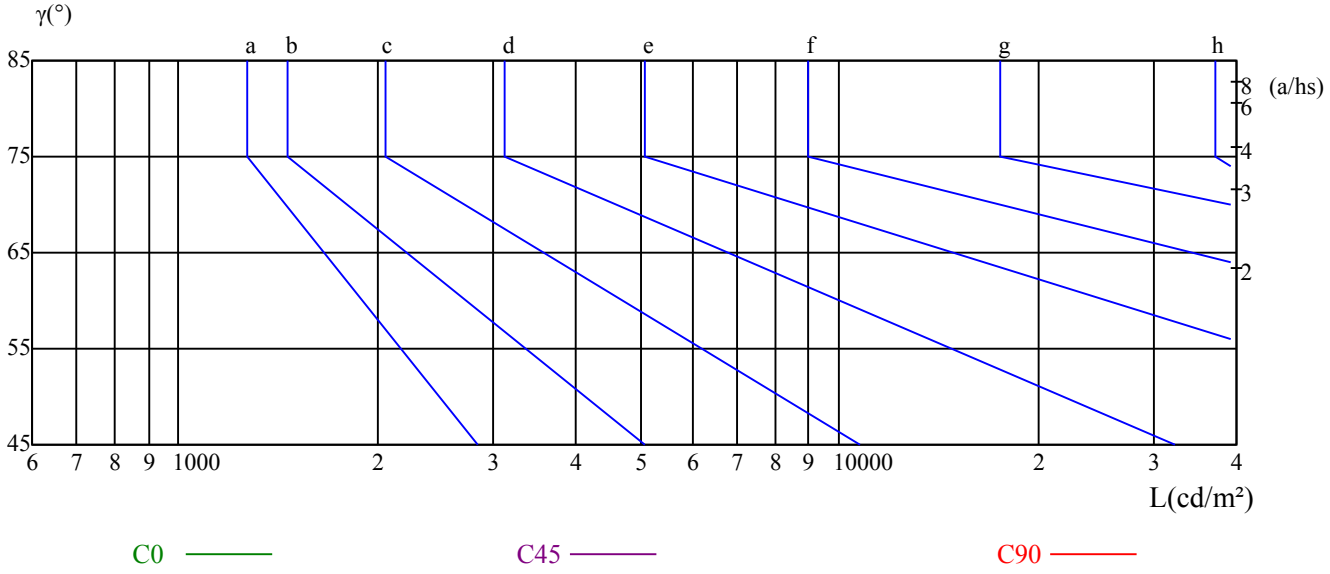
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

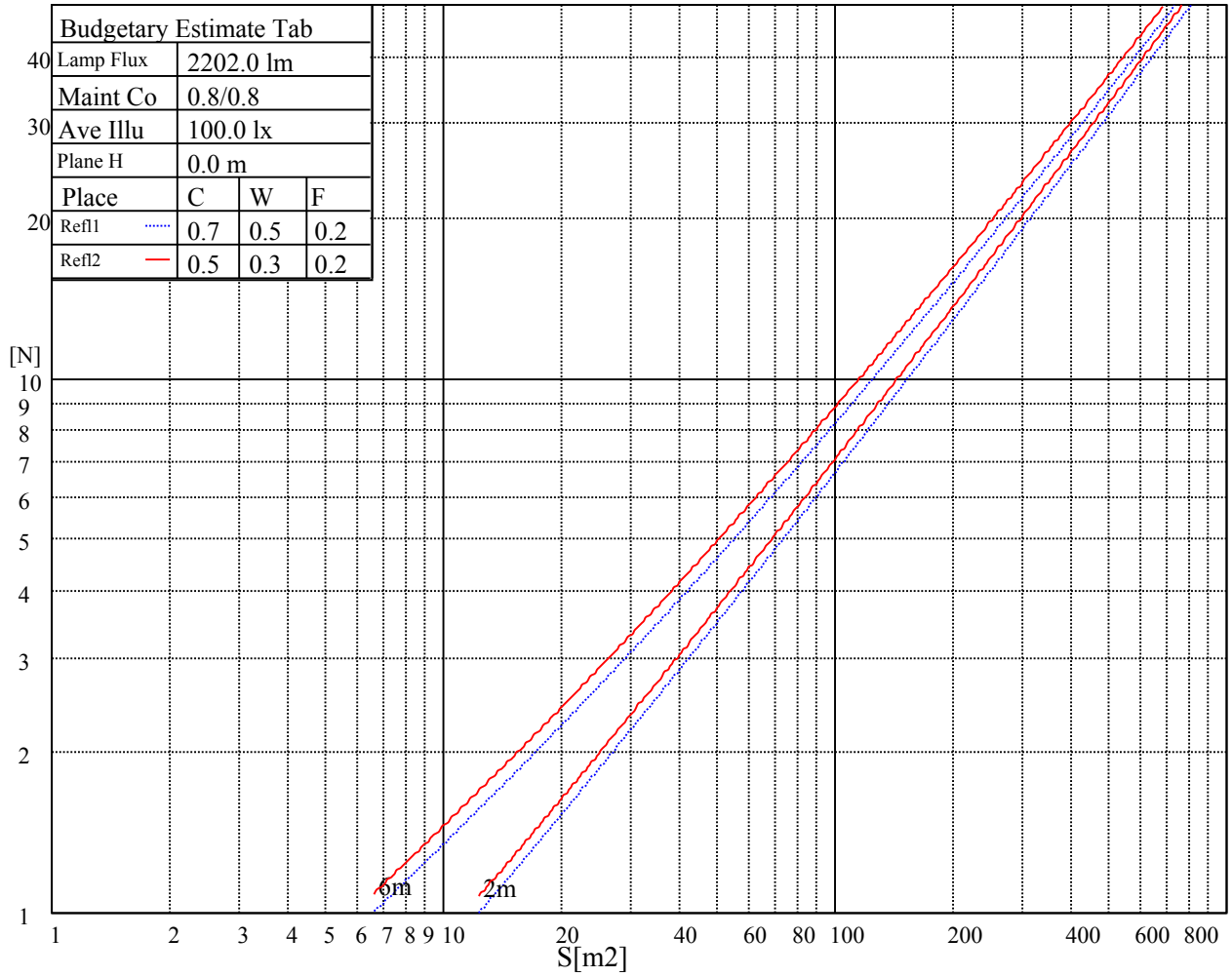
Luminance Limitting Curve



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

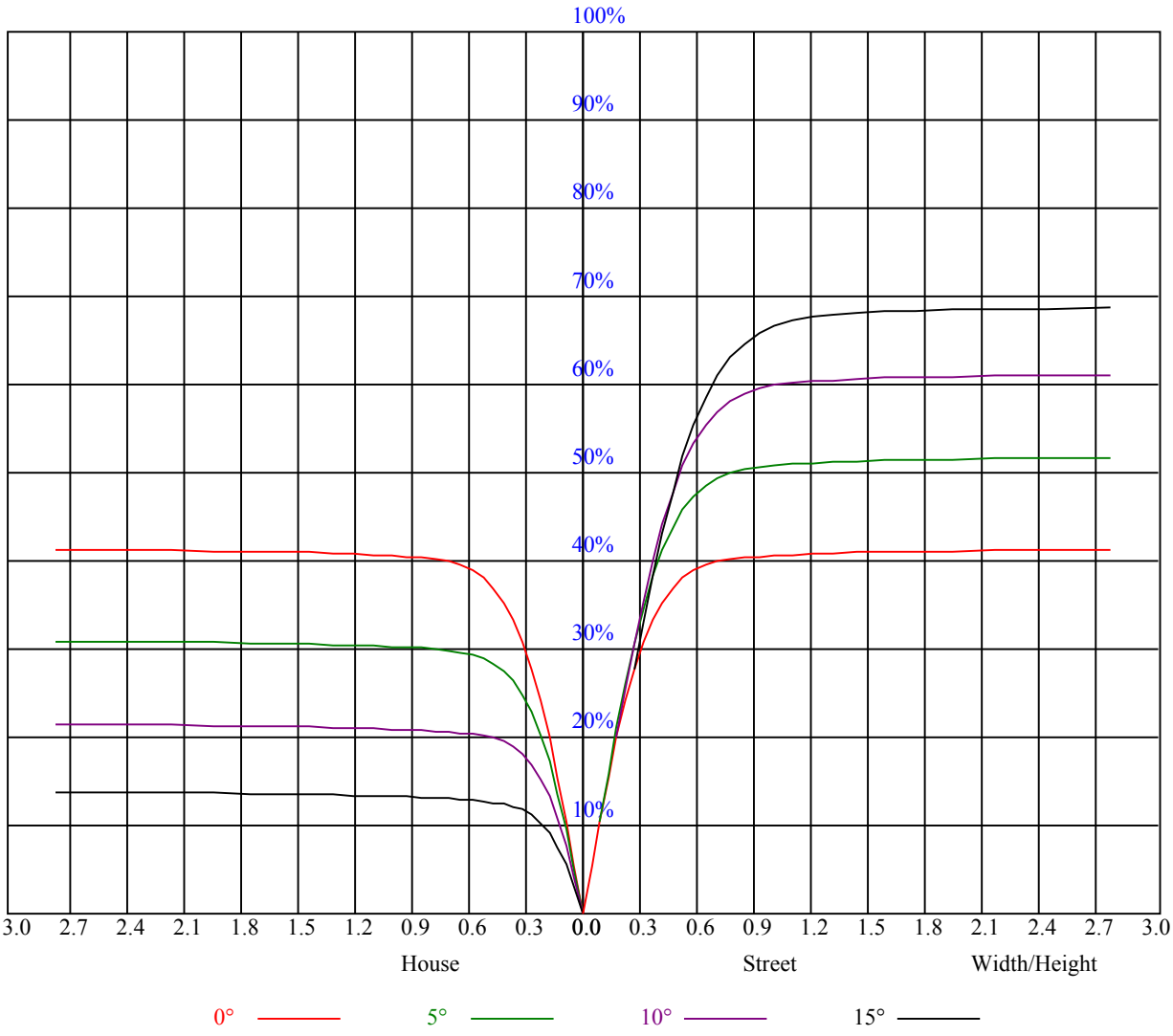


Equipment: GMS1980 Date: 2024/4/02 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

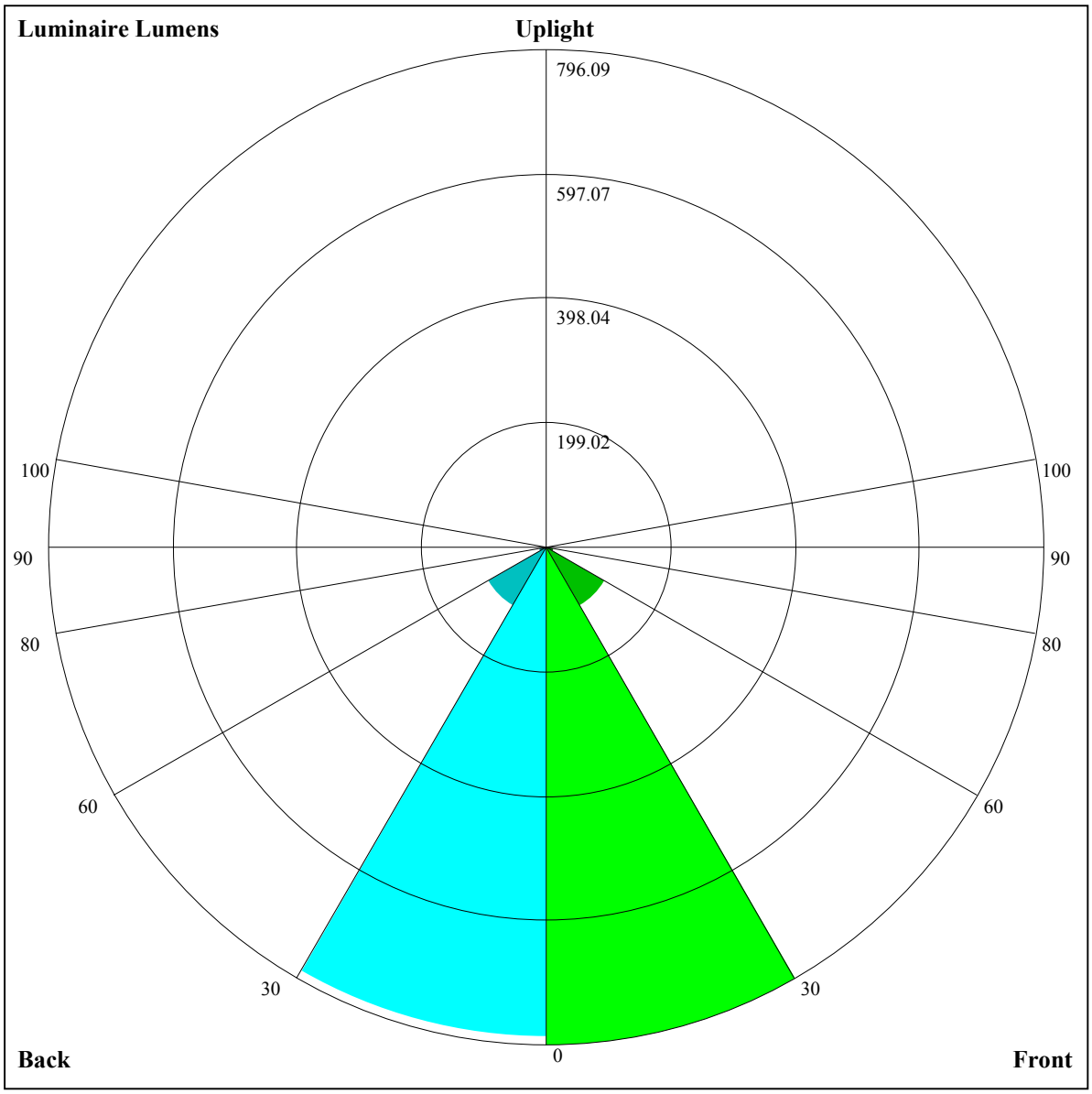
Utilization factor table for indoor luminaire

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	0.99	0.99	0.99	0.97	0.97	0.97	0.92	0.92	0.92	0.89	0.89	0.89	0.85	0.85	0.85	0.83
1	0.93	0.91	0.89	0.91	0.89	0.88	0.88	0.86	0.85	0.84	0.83	0.82	0.82	0.81	0.80	0.79
2	0.87	0.84	0.82	0.86	0.83	0.81	0.83	0.81	0.79	0.81	0.79	0.77	0.78	0.77	0.76	0.74
3	0.82	0.79	0.76	0.81	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.75	0.73	0.72	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	0.66	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	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.58
8	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.56
9	0.62	0.58	0.55	0.61	0.57	0.55	0.61	0.57	0.55	0.60	0.57	0.54	0.59	0.56	0.54	0.53
10	0.59	0.55	0.53	0.59	0.55	0.52	0.58	0.55	0.52	0.58	0.55	0.52	0.57	0.54	0.52	0.51

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/02	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=796.09,FM=109.49,FH=13.79,FVH=4.78
BL=783.85,BM=107.54,BH=13.52,BVH=4.69
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	4149.89	4138.77	4120.63	4084.34	4036.94	3959.11	3888.29	3804.61	3678.20
45.0	4136.43	4154.57	4157.50	4142.87	4108.92	4068.54	4018.80	3956.76	3863.71
90.0	4152.23	4149.89	4135.84	4111.85	4072.64	4010.61	3956.18	3859.03	3766.57
135.0	4138.77	4146.38	4145.79	4120.04	4082.00	4045.72	3973.15	3905.85	3805.78
180.0	4149.89	4146.38	4125.89	4085.51	4039.87	3967.30	3898.24	3812.80	3711.56
225.0	4136.43	4104.24	4052.16	4000.66	3935.11	3854.94	3734.96	3621.43	3502.63
270.0	4152.23	4139.35	4109.51	4059.76	4006.51	3938.04	3863.13	3776.52	3637.23
315.0	4138.77	4109.51	4074.39	4019.97	3963.20	3868.98	3775.93	3683.46	3563.49
360.0	4149.89	4138.77	4120.63	4084.34	4036.94	3959.11	3888.29	3804.61	3678.20

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3566.42	3443.52	3320.63	3149.15	3003.43	2824.35	2670.44	2511.26	2305.26
45.0	3779.44	3678.78	3566.42	3417.19	3283.76	3140.38	2961.30	2809.14	2655.81
90.0	3664.74	3517.85	3394.36	3258.59	3119.89	2930.87	2782.22	2619.53	2453.91
135.0	3712.73	3609.14	3486.24	3329.40	3187.78	3043.23	2888.73	2691.51	2527.06
180.0	3575.78	3451.13	3319.45	3180.76	2997.00	2844.25	2689.17	2531.16	2316.96
225.0	3372.71	3204.75	3063.13	2916.23	2765.25	2566.27	2404.75	2194.65	2021.43
270.0	3530.72	3363.93	3229.92	3089.46	2902.77	2745.35	2586.17	2386.02	2215.14
315.0	3409.58	3277.32	3136.86	2964.81	2815.58	2624.21	2462.69	2298.82	2132.62
360.0	3566.42	3443.52	3320.63	3149.15	3003.43	2824.35	2670.44	2511.26	2305.26

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2138.47	1972.27	1805.48	1605.92	1450.25	1155.41	1155.41	1050.01	959.36
45.0	2449.81	2288.87	2081.70	1908.48	1746.96	1584.26	1392.31	1255.37	1139.49
90.0	2251.42	2084.63	1914.91	1704.82	1543.88	1290.48	1144.58	1117.90	1020.05
135.0	2360.86	2195.24	1981.05	1814.84	1614.11	1460.19	1327.35	1179.29	1076.29
180.0	2144.91	1936.57	1770.36	1605.92	1405.77	1272.92	1164.66	1055.80	943.44
225.0	1848.20	1637.52	1480.09	1155.06	1155.06	1079.27	986.46	899.43	806.15
270.0	2043.66	1875.70	1673.22	1510.52	1354.27	1220.84	1092.67	996.11	907.74
315.0	1916.67	1752.22	1586.02	1430.35	1141.60	1141.60	1041.58	952.92	850.10
360.0	2138.47	1972.27	1805.48	1605.92	1450.25	1155.41	1155.41	1050.01	959.36

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	873.39	762.61	675.35	599.33	504.93	433.42	365.00	286.35	229.76
45.0	1037.08	924.71	835.76	746.81	661.95	561.87	474.09	403.86	339.49
90.0	902.18	802.46	711.63	627.30	523.78	452.03	387.95	319.71	241.58
135.0	978.55	876.73	753.24	660.78	575.92	499.84	409.13	344.76	296.77
180.0	844.54	751.49	659.61	550.76	471.16	405.62	341.24	304.96	304.96
225.0	693.43	608.93	527.11	437.46	369.75	308.24	236.61	184.87	141.21
270.0	798.31	711.69	604.01	521.49	451.85	369.34	304.96	304.96	235.85
315.0	763.02	675.99	575.63	498.38	413.75	349.26	288.63	231.52	166.38
360.0	873.39	762.61	675.35	599.33	504.93	433.42	365.00	286.35	229.76

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	178.90	132.03	89.13	70.93	64.08	58.76	52.26	48.16	44.54
45.0	309.06	309.06	149.06	105.40	78.48	66.01	60.57	55.30	50.62
90.0	191.90	145.08	97.91	81.23	72.98	66.89	61.16	56.42	51.09
135.0	296.77	160.94	120.73	95.63	87.32	80.35	72.33	66.66	61.57
180.0	149.35	115.70	95.74	84.97	78.36	72.04	66.42	60.34	55.95
225.0	99.08	82.28	74.67	67.48	61.74	56.88	52.55	47.64	44.13
270.0	145.43	100.89	78.13	67.13	61.62	55.42	50.68	45.82	42.37
315.0	122.84	88.31	69.64	61.16	56.47	51.73	47.87	43.66	40.56
360.0	178.90	132.03	89.13	70.93	64.08	58.76	52.26	48.16	44.54

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	40.44	37.51	34.29	32.13	30.08	27.74	26.10	24.70	23.35
45.0	45.88	42.55	39.50	36.05	33.59	31.31	28.85	27.04	25.16
90.0	47.34	43.83	40.73	37.22	34.70	32.42	30.37	28.09	26.45
135.0	55.83	51.68	47.81	44.30	40.38	37.51	34.88	32.60	29.96
180.0	51.79	47.99	43.77	40.73	37.92	34.70	32.48	30.37	28.09
225.0	40.85	38.04	34.82	32.54	29.90	28.09	26.34	24.58	23.29
270.0	39.21	35.76	33.36	31.13	28.62	26.86	25.28	23.82	22.53
315.0	37.16	34.70	32.54	30.08	28.32	26.63	24.87	23.58	22.47
360.0	40.44	37.51	34.29	32.13	30.08	27.74	26.10	24.70	23.35

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	22.24	20.89	19.96	19.14	18.20	17.56	16.97	16.39	15.92
45.0	23.82	22.53	21.42	20.13	19.31	18.55	17.85	17.03	16.50
90.0	24.64	23.35	22.18	20.83	19.84	19.02	18.02	17.38	16.80
135.0	28.27	26.16	24.64	23.41	21.95	20.89	19.90	19.08	18.14
180.0	26.45	24.76	23.47	22.36	21.30	20.13	19.37	18.61	17.97
225.0	22.06	21.07	20.13	19.14	18.38	17.73	17.03	16.50	15.98
270.0	21.13	20.19	19.31	18.32	17.67	17.03	16.39	15.92	15.39
315.0	21.42	20.37	19.61	18.84	18.20	17.50	16.97	16.44	15.98
360.0	22.24	20.89	19.96	19.14	18.20	17.56	16.97	16.39	15.92

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	15.51	15.04	14.69	14.40	14.10	14.46	15.63	17.09	16.56
45.0	15.98	15.39	15.04	14.63	14.22	13.87	13.58	13.11	12.82
90.0	16.27	15.63	15.16	14.69	14.34	13.87	13.46	13.05	12.64
135.0	17.50	16.91	16.33	15.74	15.27	14.75	14.16	13.75	13.34
180.0	17.15	16.56	16.04	15.51	14.81	14.34	13.69	13.28	12.87
225.0	15.39	14.92	14.51	13.93	13.58	13.17	12.70	12.35	12.06
270.0	14.92	14.51	14.16	13.75	13.40	13.05	12.76	12.35	12.11
315.0	15.57	15.10	14.75	14.34	13.99	13.58	13.23	12.87	12.58
360.0	15.51	15.04	14.69	14.40	14.10	14.46	15.63	17.09	16.56

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.86	17.03	14.63	15.51	13.81	13.28	12.35	11.59	10.71
45.0	12.52	12.17	11.82	11.53	11.29	11.00	10.65	10.42	10.18
90.0	12.23	11.82	11.53	11.18	10.83	10.53	10.30	10.07	9.77
135.0	12.82	12.35	12.06	11.53	11.24	10.94	10.59	10.36	10.12
180.0	12.35	11.94	11.59	11.24	10.89	10.53	10.30	10.12	9.71
225.0	11.70	11.29	10.94	10.65	10.36	10.07	9.83	9.60	9.25
270.0	11.76	11.53	11.18	10.94	10.71	10.48	10.30	10.07	9.77
315.0	12.23	12.00	11.76	11.53	11.35	11.24	11.06	11.00	10.48
360.0	15.86	17.03	14.63	15.51	13.81	13.28	12.35	11.59	10.71

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	9.95	9.36	9.13	8.84	8.60	8.43	8.13	7.96	7.84
45.0	9.95	9.66	9.31	9.07	8.84	8.60	8.37	8.19	8.02
90.0	9.42	9.13	8.90	8.66	8.54	8.31	8.19	8.08	8.31
135.0	9.77	9.36	9.07	8.78	8.60	8.31	8.19	8.13	8.43
180.0	9.36	9.07	8.78	8.54	8.37	8.08	8.02	8.43	8.13
225.0	9.01	8.78	8.60	8.49	8.13	8.02	8.19	7.84	7.96
270.0	9.42	9.13	8.90	8.84	8.66	8.31	8.08	8.02	7.84
315.0	9.89	9.42	9.13	8.90	8.66	8.31	8.13	8.02	7.90
360.0	9.95	9.36	9.13	8.84	8.60	8.43	8.13	7.96	7.84

Intensity data(cd)

C/γ(°)	90.0
0.0	7.84
45.0	8.02
90.0	7.96
135.0	8.25
180.0	8.08
225.0	8.02
270.0	7.84
315.0	7.84
360.0	7.84