NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:
LumCAT: 1-1306-L
Luminaire: 92.70.427.00
Report No: 2024730-B017
Ballast type: AC

Test No: 2024730-C017	Voltage(V): 34.290
LampCAT: Fortimo_SLM_C_1203	Current(A): 0.216
Lamp flux(lm): 1286.0	Power (W): 7.406
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1179.58, Efficiency(%): 91.72% , Luminous Efficacy(lm/W): 159.27
Central intensity(cd): 1807.526, Maximum intensity(cd): 1807.526
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=50.6
[C90/270]Total=50.6
Field angle(10%Imax): [C0/180]Total=70.6
[C90/270]Total=70.6
Maximum s/h(1/2): C0_180=0.80 C90_270=0.80
Maximum s/h(1/4): C0_180=0.76 C90_270=0.76
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.72%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.986%

Equipment: GMS1980	Date: 2024/7/30	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1807.526	0.000	0	0.00%	0.00%
1.0	1807.380	1.730	1.73	0.13%	0.15%
2.0	1800.503	5.178	6.908	0.40%	0.59%
3.0	1794.651	8.598	15.506	0.67%	1.31%
4.0	1786.531	11.987	27.494	0.93%	2.33%
5.0	1774.388	15.319	42.813	1.19%	3.63%
6.0	1757.636	18.562	61.374	1.44%	5.20%
7.0	1738.543	21.701	83.075	1.69%	7.04%
8.0	1719.157	24.746	107.821	1.92%	9.14%
9.0	1695.675	27.675	135.497	2.15%	11.49%
10.0	1670.730	30.465	165.961	2.37%	14.07%
11.0	1641.176	33.093	199.054	2.57%	16.88%
12.0	1611.695	35.559	234.613	2.77%	19.89%
13.0	1577.533	37.848	272.461	2.94%	23.10%
14.0	1536.128	39.855	312.315	3.10%	26.48%
15.0	1498.308	41.658	353.973	3.24%	30.01%
16.0	1448.783	43.183	397.156	3.36%	33.67%
17.0	1405.623	44.451	441.607	3.46%	37.44%
18.0	1350.758	45.447	487.054	3.53%	41.29%
19.0	1287.319	45.897	532.951	3.57%	45.18%
20.0	1236.610	46.195	579.146	3.59%	49.10%
21.0	1180.977	46.423	625.569	3.61%	53.03%
22.0	1127.304	46.386	671.955	3.61%	56.97%
23.0	1063.090	45.960	717.915	3.57%	60.86%
24.0	997.450	45.051	762.966	3.50%	64.68%
25.0	922.966	43.666	806.632	3.40%	68.38%
26.0	852.051	41.899	848.531	3.26%	71.94%
27.0	773.741	39.775	888.307	3.09%	75.31%
28.0	688.166	37.012	925.319	2.88%	78.44%
29.0	604.040	33.808	959.127	2.63%	81.31%
30.0	516.776	30.262	989.389	2.35%	83.88%
31.0	433.922	26.457	1015.845	2.06%	86.12%
32.0	356.519	22.645	1038.49	1.76%	88.04%
33.0	293.322	19.145	1057.635	1.49%	89.66%
34.0	242.349	16.211	1073.846	1.26%	91.04%
35.0	192.788	13.514	1087.36	1.05%	92.18%
36.0	151.127	10.950	1098.31	0.85%	93.11%
37.0	106.057	8.388	1106.698	0.65%	93.82%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	82.736	6.302	1113	0.49%	94.36%
39.0	64.916	5.040	1118.039	0.39%	94.78%
40.0	52.312	4.088	1122.128	0.32%	95.13%
41.0	43.643	3.417	1125.545	0.27%	95.42%
42.0	37.228	2.938	1128.483	0.23%	95.67%
43.0	32.692	2.590	1131.073	0.20%	95.89%
44.0	28.903	2.325	1133.398	0.18%	96.08%
45.0	25.977	2.109	1135.507	0.16%	96.26%
46.0	23.526	1.936	1137.443	0.15%	96.43%
47.0	21.558	1.793	1139.236	0.14%	96.58%
48.0	19.890	1.676	1140.911	0.13%	96.72%
49.0	18.420	1.573	1142.485	0.12%	96.86%
50.0	17.176	1.484	1143.969	0.12%	96.98%
51.0	16.072	1.407	1145.375	0.11%	97.10%
52.0	15.121	1.338	1146.714	0.10%	97.21%
53.0	14.309	1.280	1147.994	0.10%	97.32%
54.0	13.628	1.231	1149.225	0.10%	97.43%
55.0	12.999	1.189	1150.414	0.09%	97.53%
56.0	12.399	1.148	1151.562	0.09%	97.62%
57.0	11.887	1.110	1152.672	0.09%	97.72%
58.0	11.419	1.078	1153.75	0.08%	97.81%
59.0	11.024	1.049	1154.799	0.08%	97.90%
60.0	10.710	1.027	1155.826	0.08%	97.99%
61.0	10.417	1.008	1156.834	0.08%	98.07%
62.0	10.139	0.991	1157.825	0.08%	98.16%
63.0	9.868	0.973	1158.798	0.08%	98.24%
64.0	9.642	0.957	1159.755	0.07%	98.32%
65.0	9.415	0.943	1160.698	0.07%	98.40%
66.0	9.210	0.929	1161.627	0.07%	98.48%
67.0	8.991	0.915	1162.543	0.07%	98.56%
68.0	8.793	0.901	1163.444	0.07%	98.63%
69.0	8.610	0.888	1164.331	0.07%	98.71%
70.0	8.435	0.875	1165.207	0.07%	98.78%
71.0	8.259	0.863	1166.07	0.07%	98.85%
72.0	8.069	0.849	1166.919	0.07%	98.93%
73.0	7.879	0.834	1167.752	0.06%	99.00%
74.0	7.725	0.820	1168.573	0.06%	99.07%
75.0	7.535	0.806	1169.379	0.06%	99.14%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.381	0.792	1170.171	0.06%	99.20%
77.0	7.198	0.777	1170.948	0.06%	99.27%
78.0	7.037	0.762	1171.71	0.06%	99.33%
79.0	6.854	0.746	1172.457	0.06%	99.40%
80.0	6.715	0.732	1173.188	0.06%	99.46%
81.0	6.525	0.716	1173.904	0.06%	99.52%
82.0	6.364	0.699	1174.603	0.05%	99.58%
83.0	6.211	0.684	1175.287	0.05%	99.64%
84.0	6.050	0.668	1175.955	0.05%	99.69%
85.0	5.882	0.651	1176.606	0.05%	99.75%
86.0	5.604	0.628	1177.234	0.05%	99.80%
87.0	5.435	0.604	1177.838	0.05%	99.85%
88.0	5.340	0.590	1178.428	0.05%	99.90%
89.0	5.230	0.579	1179.007	0.05%	99.95%
90.0	5.179	0.571	1179.578	0.04%	100.00%

Zonal flux distribution table

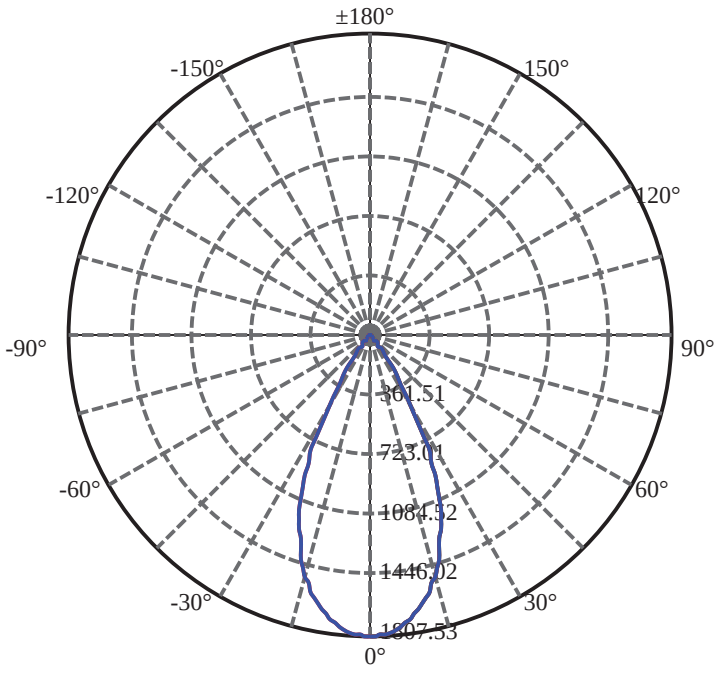
ZONAL LUMEN SUMMARY

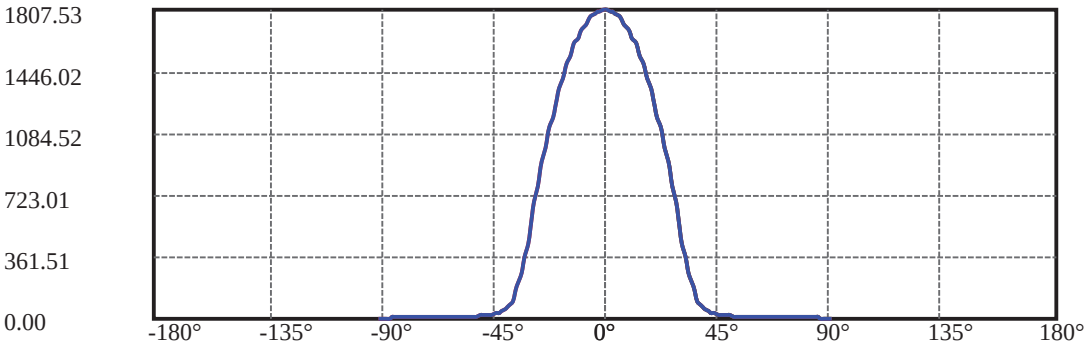
Zone	Lumens	%Lamp	%Fixt
0-30	989.39	76.94%	83.88%
0-40	1122.13	87.26%	95.13%
0-60	1155.83	89.88%	97.99%
0-90	1179.01	91.68%	99.95%
0-120	1179.01	91.68%	99.95%
0-180	1179.58	91.72%	100.00%
60-90	23.18	1.80%	1.97%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.54	943.66	73.38%	80.00%

ZONAL LUMEN SUMMARY

0-10	165.96
10-20	413.18
20-30	410.24
30-40	132.74
40-50	21.84
50-60	11.86
60-70	9.38
70-80	7.98
80-90	5.82
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):

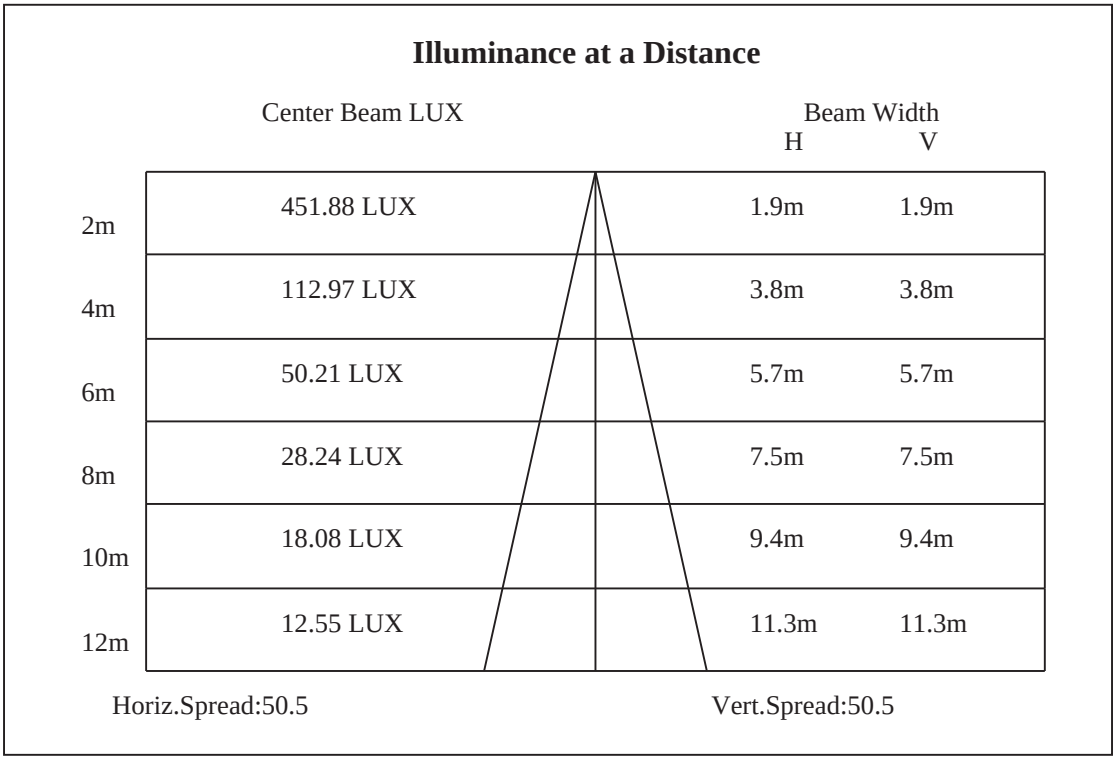
C0/C180:

C90/C270:

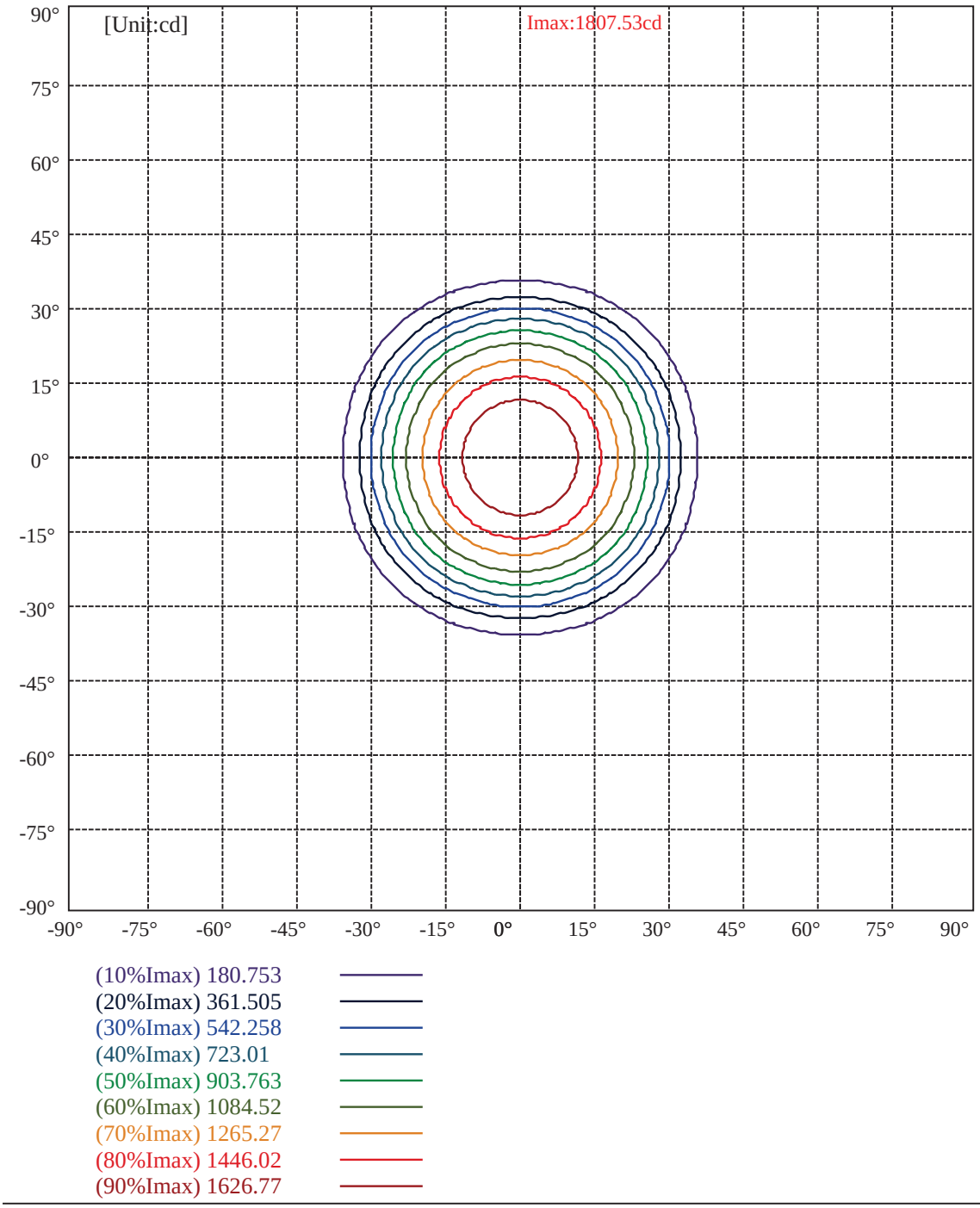
Field angle(10%Imax):C0/180Left:35.3 Right:35.3
:C90/270Left:35.3 Right:35.3

Beam Angle(50%Imax):C0/180Left:25.3 Right:25.3
:C90/270Left:25.3 Right:25.3

Lux distance Curve



ISO-Intensity(V-H)



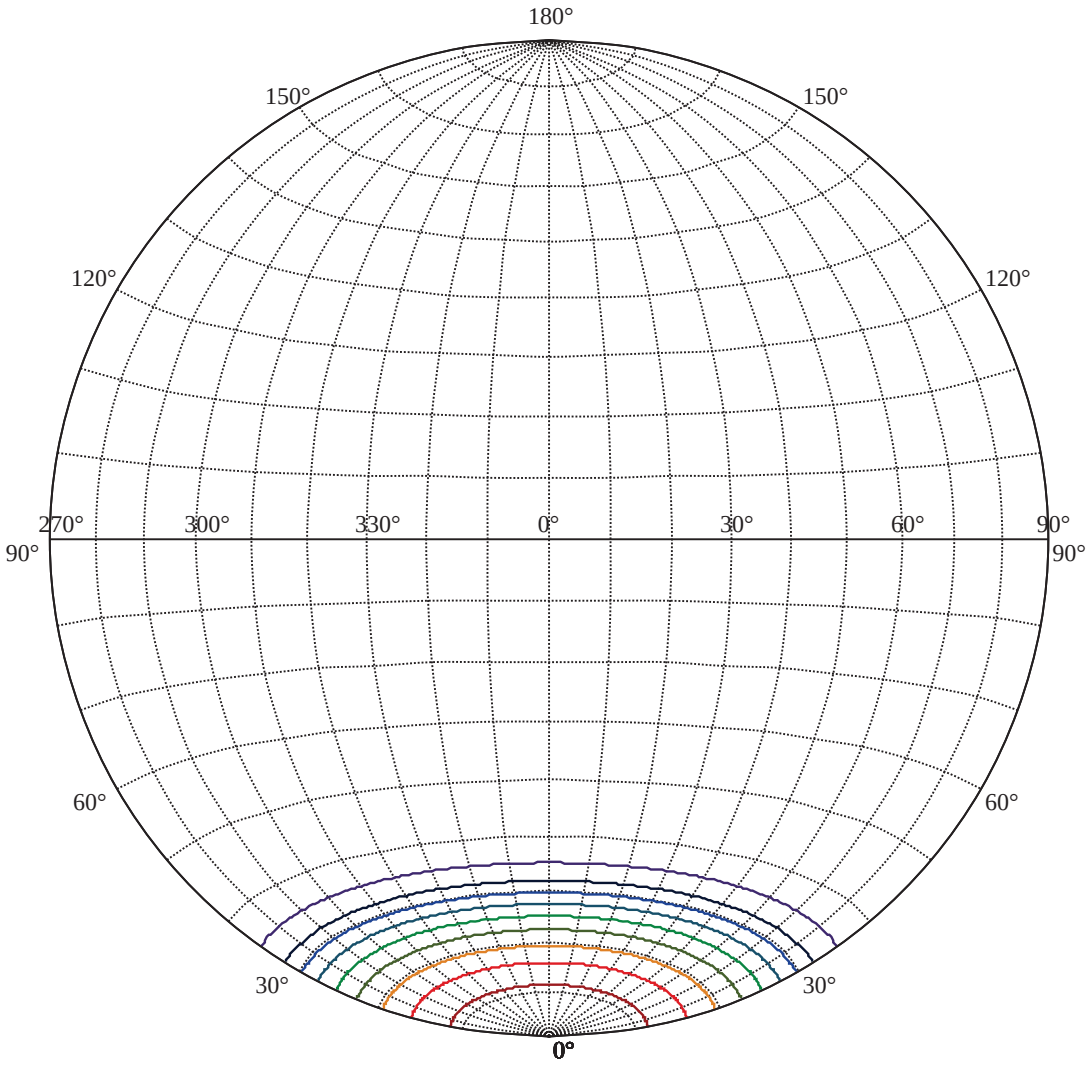
(10%Imax) 180.753
(20%Imax) 361.505
(30%Imax) 542.258
(40%Imax) 723.01
(50%Imax) 903.763
(60%Imax) 1084.52
(70%Imax) 1265.27
(80%Imax) 1446.02
(90%Imax) 1626.77

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/30
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



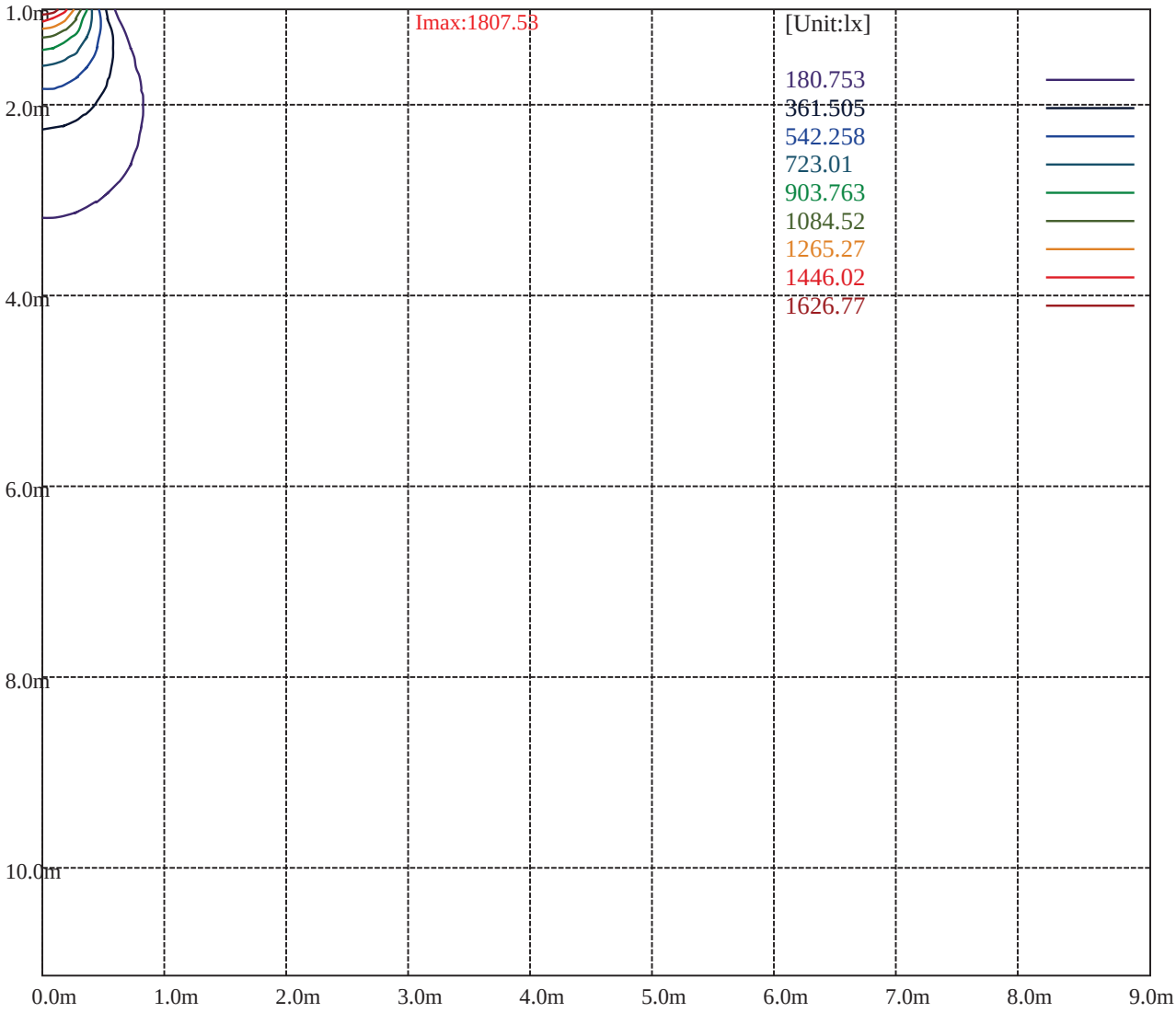
House [Unit:cd] Road

Imax:1807.53

(10%Imax) 180.753
(20%Imax) 361.505
(30%Imax) 542.258
(40%Imax) 723.01
(50%Imax) 903.763
(60%Imax) 1084.52
(70%Imax) 1265.27
(80%Imax) 1446.02
(90%Imax) 1626.77

Equipment: GMS1980 Date: 2024/7/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/30
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 1-1306-L

Luminance Limitting Curve(no luminous side)

Luminance Table

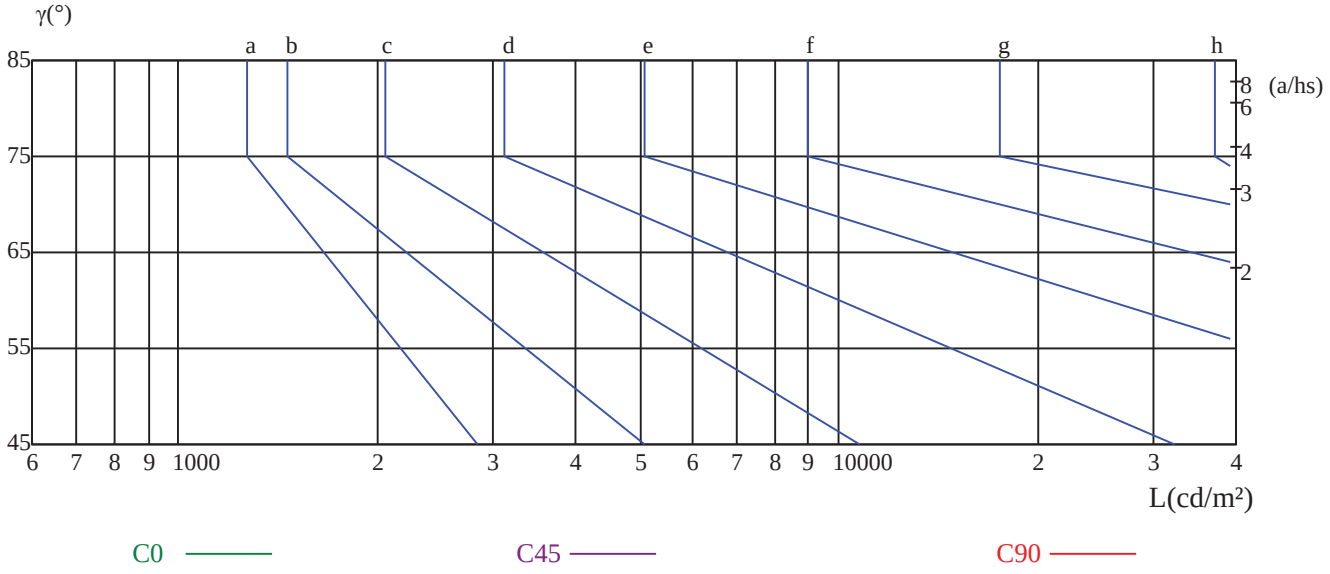
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

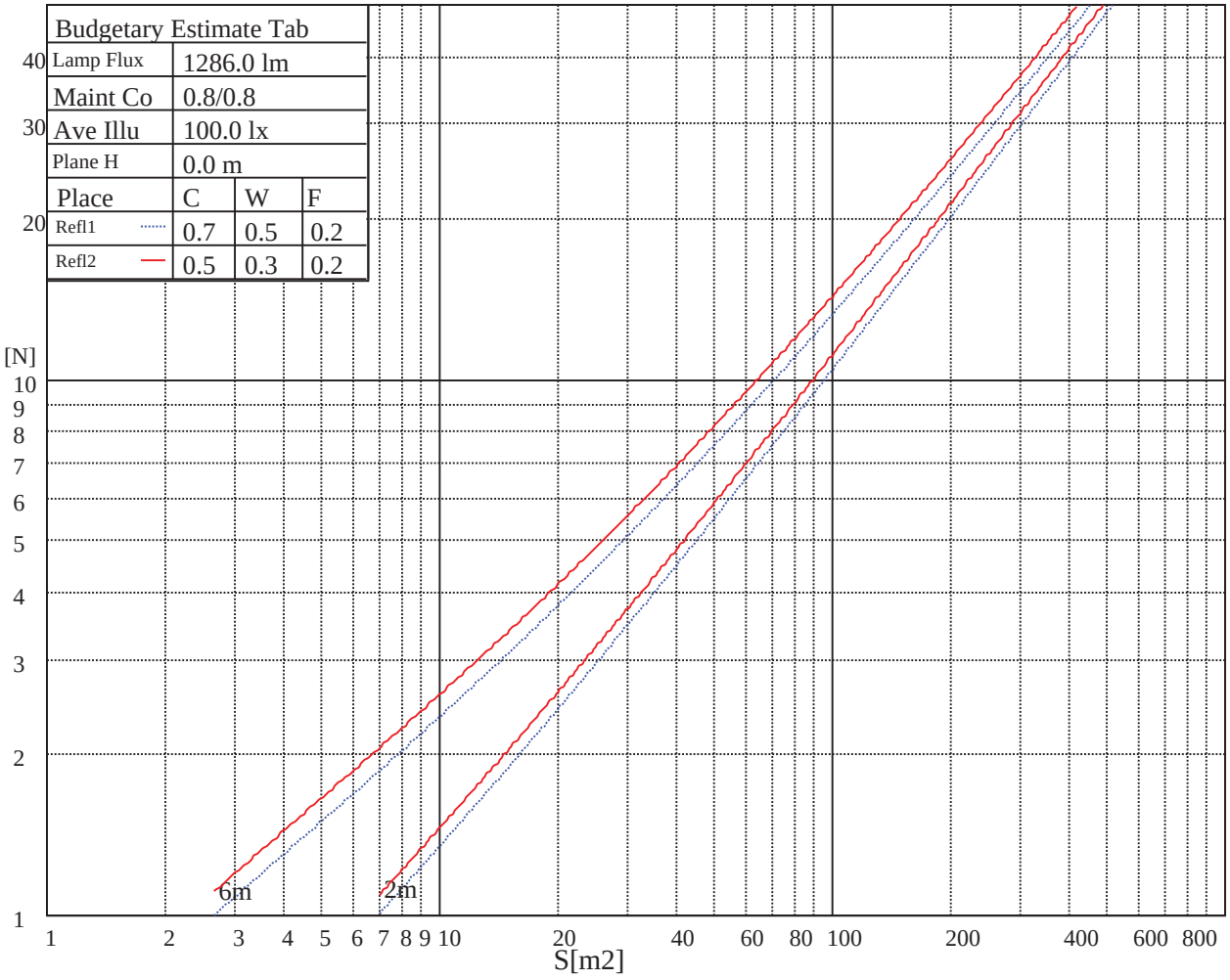


Equipment: GMS1980 Date: 2024/7/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

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

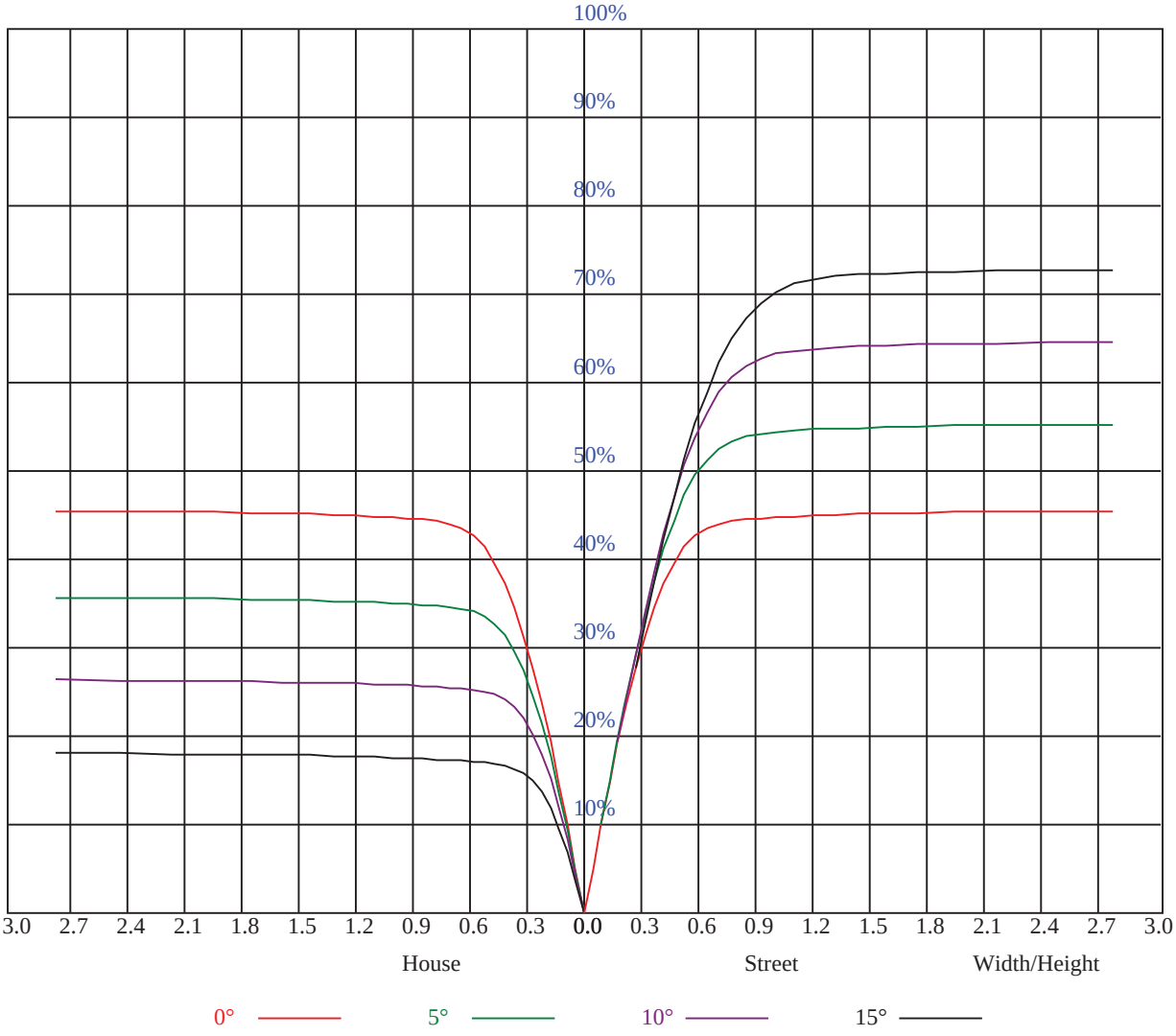


Equipment: GMS1980 Date: 2024/7/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

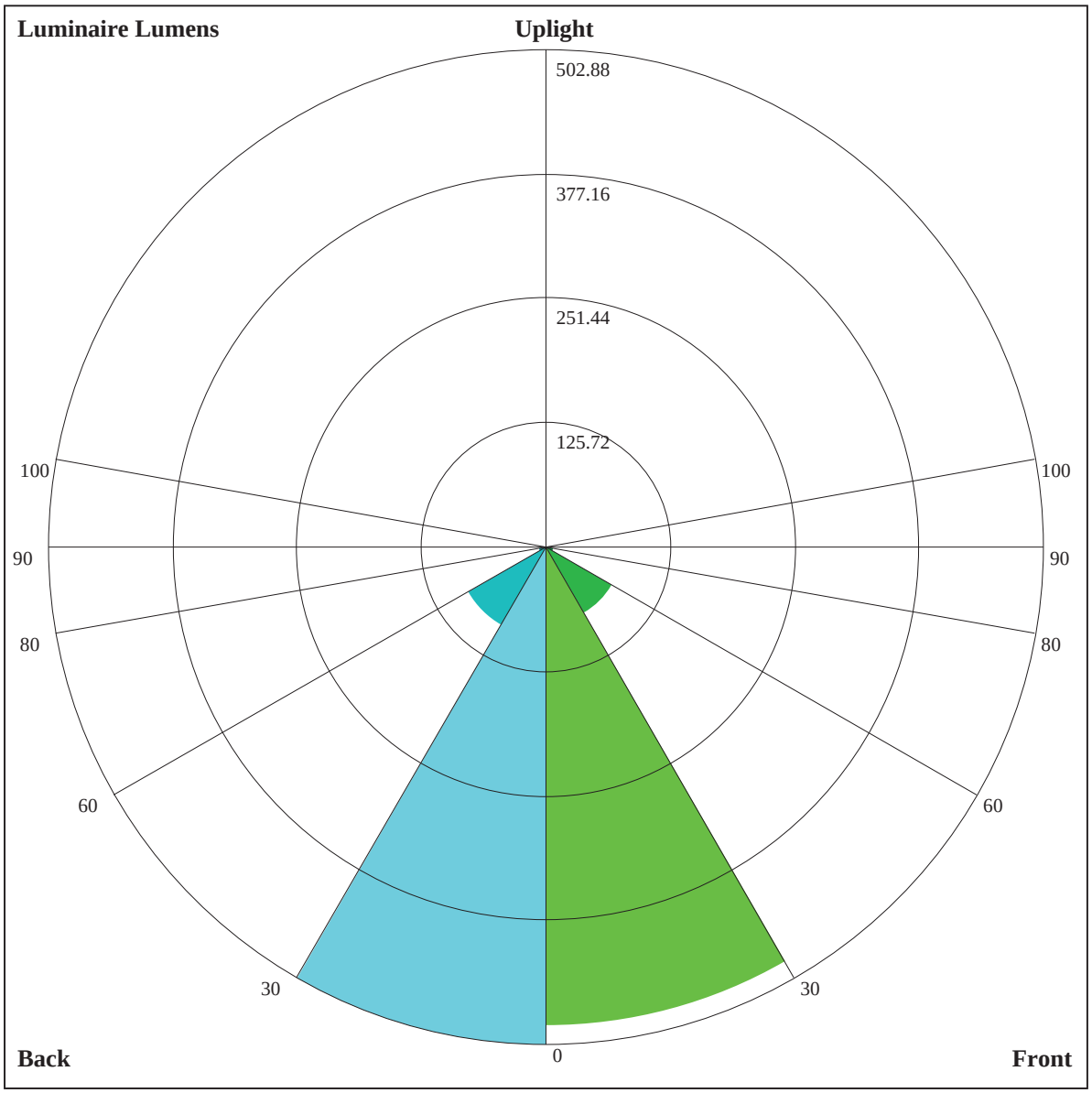
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.09	1.09	1.09	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.02	1.00	0.97	1.00	0.98	0.96	0.96	0.94	0.93	0.93	0.91	0.90	0.90	0.89	0.88	0.86
2	0.95	0.92	0.89	0.94	0.90	0.88	0.91	0.88	0.86	0.88	0.86	0.84	0.85	0.84	0.82	0.81
3	0.89	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.84	0.81	0.79	0.82	0.79	0.77	0.76
4	0.84	0.80	0.76	0.83	0.79	0.76	0.81	0.78	0.75	0.80	0.76	0.74	0.78	0.75	0.73	0.72
5	0.80	0.75	0.71	0.79	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.74	0.71	0.69	0.68
6	0.75	0.70	0.67	0.75	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.65	0.64
7	0.72	0.67	0.63	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.61
8	0.68	0.63	0.60	0.68	0.63	0.60	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.58
9	0.65	0.60	0.57	0.64	0.60	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.55
10	0.62	0.57	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.53	0.59	0.56	0.53	0.52

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/7/30	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

LCS Graph



Luminaire Lumens:

FL=484.07,FM=77.63,FH=8.64,FVH=3.18

BL=502.88,BM=91.07,BH=8.64,BVH=3.21

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	1801.38	1793.77	1789.09	1780.90	1773.29	1762.76	1740.52	1719.45	1694.87
45.0	1815.43	1807.82	1803.72	1804.31	1804.89	1800.21	1786.17	1753.98	1734.67
90.0	1807.82	1813.09	1811.33	1806.06	1789.68	1765.10	1742.86	1726.47	1710.67
135.0	1805.48	1808.99	1805.48	1804.89	1804.31	1788.51	1775.05	1754.56	1732.91
180.0	1801.38	1811.92	1802.55	1794.36	1789.09	1776.22	1763.34	1749.88	1732.91
225.0	1815.43	1814.26	1796.11	1783.82	1774.46	1765.68	1746.37	1729.98	1710.67
270.0	1807.82	1814.84	1816.01	1805.48	1788.51	1779.14	1768.61	1756.32	1745.78
315.0	1805.48	1794.36	1779.73	1777.39	1768.02	1757.49	1738.18	1717.69	1690.77
360.0	1801.38	1793.77	1789.09	1780.90	1773.29	1762.76	1740.52	1719.45	1694.87

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1670.29	1643.96	1612.35	1566.71	1531.59	1494.14	1458.44	1401.67	1356.61
45.0	1709.50	1677.31	1637.52	1610.60	1579.00	1539.20	1504.09	1450.25	1403.43
90.0	1681.41	1650.39	1612.94	1580.17	1543.88	1488.29	1442.64	1394.65	1345.49
135.0	1719.45	1689.02	1658.59	1630.50	1597.72	1559.68	1521.06	1468.39	1425.08
180.0	1705.40	1686.68	1658.59	1632.25	1588.36	1556.17	1523.98	1484.77	1446.73
225.0	1690.19	1677.31	1653.90	1630.50	1599.48	1553.83	1513.45	1471.31	1431.52
270.0	1716.52	1696.04	1677.90	1650.98	1623.47	1588.94	1555.00	1502.33	1455.51
315.0	1672.63	1645.13	1617.62	1591.87	1556.76	1508.77	1467.80	1416.89	1380.60
360.0	1670.29	1643.96	1612.35	1566.71	1531.59	1494.14	1458.44	1401.67	1356.61

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1300.43	1165.59	1165.59	1119.54	1054.22	987.16	914.00	830.43	759.62
45.0	1353.68	1301.60	1232.54	1171.68	1110.23	1044.69	961.58	891.36	817.62
90.0	1250.68	1164.77	1164.77	1104.09	1017.88	949.29	879.94	789.59	713.68
135.0	1372.41	1326.18	1262.39	1209.13	1151.78	1093.84	1031.22	949.88	879.65
180.0	1391.72	1347.25	1299.26	1250.10	1181.63	1126.03	1071.02	1006.06	924.13
225.0	1385.29	1344.91	1289.31	1155.23	1155.23	1096.30	1036.43	973.40	910.43
270.0	1412.79	1367.73	1322.67	1281.70	1233.13	1166.41	1106.13	1029.47	966.85
315.0	1339.05	1280.53	1156.35	1156.35	1114.33	1041.00	979.26	913.54	844.42
360.0	1300.43	1165.59	1165.59	1119.54	1054.22	987.16	914.00	830.43	759.62

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	680.97	599.50	500.48	423.82	353.53	277.63	225.02	168.66	132.55
45.0	740.37	636.20	553.10	454.19	378.70	310.23	295.01	228.41	148.18
90.0	632.80	529.80	451.03	377.29	293.84	237.54	189.55	148.65	107.68
135.0	807.67	709.35	628.59	547.24	465.90	372.26	307.30	307.30	187.10
180.0	859.17	787.19	711.69	612.20	531.44	429.61	355.29	305.55	305.55
225.0	822.59	747.57	665.34	581.13	475.96	398.54	328.43	253.93	203.07
270.0	894.87	823.47	732.17	651.41	563.63	489.89	383.97	314.32	299.69
315.0	751.49	672.25	589.91	486.91	408.37	336.45	262.01	211.97	158.48
360.0	680.97	599.50	500.48	423.82	353.53	277.63	225.02	168.66	132.55

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	104.11	82.75	62.91	51.79	43.83	37.81	32.19	28.73	25.98
45.0	115.41	84.45	66.83	53.67	44.36	36.34	31.66	28.15	24.64
90.0	83.51	65.84	53.20	41.84	35.93	31.43	27.10	24.46	21.71
135.0	147.59	115.87	85.09	67.42	54.54	43.95	38.10	33.83	30.37
180.0	173.64	136.47	107.10	80.00	64.37	53.26	45.24	38.10	33.94
225.0	160.53	118.22	92.00	72.28	55.25	46.12	39.62	34.76	30.14
270.0	299.69	146.72	116.23	91.35	68.94	56.12	45.24	39.09	34.24
315.0	124.54	98.14	78.54	60.98	51.27	44.13	38.68	34.41	30.20
360.0	104.11	82.75	62.91	51.79	43.83	37.81	32.19	28.73	25.98

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	23.64	21.13	19.43	17.85	16.80	15.86	14.86	14.16	13.64
45.0	22.36	20.48	18.49	17.15	16.04	14.92	14.10	13.46	12.82
90.0	19.96	18.43	16.80	15.80	14.92	14.16	13.52	12.76	12.17
135.0	27.04	24.76	22.88	21.30	19.49	18.20	16.85	15.92	15.16
180.0	30.67	27.51	25.34	23.41	21.48	20.01	18.79	17.38	16.44
225.0	27.15	24.64	22.53	20.37	18.90	17.62	16.21	15.33	14.28
270.0	29.50	26.45	24.05	21.95	20.13	18.26	16.97	15.86	14.75
315.0	27.51	24.81	22.94	21.30	19.61	18.38	17.26	16.09	15.22
360.0	23.64	21.13	19.43	17.85	16.80	15.86	14.86	14.16	13.64

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	12.93	12.47	12.11	11.76	11.41	11.12	10.94	10.71	10.42
45.0	12.29	11.88	11.53	11.18	10.89	10.65	10.48	10.18	10.01
90.0	11.76	11.29	10.94	10.65	10.36	10.12	9.95	9.71	9.54
135.0	14.28	13.52	12.87	12.29	11.70	11.24	10.89	10.53	10.24
180.0	15.68	14.75	13.99	13.28	12.64	12.00	11.53	11.12	10.77
225.0	13.64	12.99	12.23	11.65	11.18	10.77	10.36	10.12	9.83
270.0	13.99	13.34	12.58	12.00	11.35	10.94	10.65	10.36	10.01
315.0	14.46	13.75	12.93	12.29	11.82	11.35	10.89	10.59	10.30
360.0	12.93	12.47	12.11	11.76	11.41	11.12	10.94	10.71	10.42

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	10.18	10.01	9.71	9.48	9.25	9.07	8.90	8.72	8.49
45.0	9.77	9.60	9.42	9.25	9.01	8.84	8.66	8.49	8.31
90.0	9.36	9.19	9.01	8.84	8.72	8.49	8.37	8.19	8.02
135.0	9.95	9.71	9.48	9.31	9.01	8.84	8.66	8.49	8.31
180.0	10.36	10.12	9.83	9.60	9.36	9.13	8.90	8.78	8.60
225.0	9.60	9.31	9.13	8.95	8.72	8.54	8.37	8.13	8.02
270.0	9.77	9.54	9.31	9.07	8.90	8.72	8.54	8.37	8.19
315.0	9.95	9.66	9.42	9.19	8.95	8.72	8.49	8.31	8.13
360.0	10.18	10.01	9.71	9.48	9.25	9.07	8.90	8.72	8.49

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.31	8.13	7.96	7.78	7.61	7.43	7.26	7.02	6.91
45.0	8.13	7.96	7.78	7.61	7.49	7.26	7.14	6.96	6.79
90.0	7.84	7.67	7.55	7.32	7.14	6.96	6.85	6.67	6.55
135.0	8.13	7.96	7.78	7.55	7.43	7.26	7.02	6.91	6.73
180.0	8.37	8.19	8.02	7.90	7.67	7.49	7.37	7.14	7.02
225.0	7.84	7.61	7.49	7.32	7.20	7.02	6.85	6.67	6.55
270.0	7.96	7.78	7.67	7.43	7.32	7.14	6.96	6.85	6.67
315.0	7.96	7.72	7.55	7.37	7.20	7.02	6.85	6.61	6.50
360.0	8.31	8.13	7.96	7.78	7.61	7.43	7.26	7.02	6.91

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	6.67	6.55	6.44	6.26	6.03	5.62	5.50	5.38	5.21
45.0	6.61	6.44	6.32	6.14	6.03	5.68	5.33	5.21	5.15
90.0	6.38	6.20	6.09	5.91	5.74	5.33	5.21	5.15	5.09
135.0	6.55	6.38	6.20	6.03	5.91	5.68	5.38	5.27	5.21
180.0	6.85	6.67	6.50	6.32	6.20	5.91	5.79	5.68	5.50
225.0	6.32	6.20	6.03	5.91	5.79	5.56	5.44	5.38	5.27
270.0	6.50	6.32	6.14	5.97	5.79	5.62	5.50	5.38	5.27
315.0	6.32	6.14	5.97	5.85	5.56	5.44	5.33	5.27	5.15
360.0	6.67	6.55	6.44	6.26	6.03	5.62	5.50	5.38	5.21

Intensity data(cd)

C/γ(°)	90.0
0.0	5.27
45.0	5.15
90.0	5.09
135.0	5.09
180.0	5.38
225.0	5.21
270.0	5.15
315.0	5.09
360.0	5.27