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

NT

Client: NT
LumCAT: 62-0089-1
Luminaire: 92.70.427.00
Report No: 20250326-B005
Ballast type: AC
Test No: 20250326-C005
LampCAT: CREE CXA1820
Lamp flux(lm): 2300.1
Number of Lamps: 1
Length(mm): 62
Phm Type: C

Voltage(V): 34.950
Current(A): 0.450
Power (W): 15.720
PF: 0.000
Width(mm): 62
Height(mm): 33

Photometric Results

Lumens(lm): 2063.31, Efficiency(%): 89.71% , Luminous Efficacy(lm/W): 131.25
Central intensity(cd): 1937.784, Maximum intensity(cd): 2066.879
Angle of maximum intensity: C=0.0 γ=17.0
Beam Angle(50%Imax): [C0/180]Total=64.0
[C90/270]Total=64.0
Field angle(10%Imax): [C0/180]Total=78.0
[C90/270]Total=78.0
Maximum s/h(1/2): C0_180=1.10 C90_270=1.10
Maximum s/h(1/4): C0_180=0.93 C90_270=0.93
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 89.71%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.770%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1937.784	0.000	0	0.00%	0.00%
1.0	1937.318	1.854	1.854	0.08%	0.09%
2.0	1937.584	5.562	7.416	0.24%	0.36%
3.0	1939.050	9.272	16.687	0.40%	0.81%
4.0	1940.649	12.987	29.674	0.56%	1.44%
5.0	1944.512	16.714	46.388	0.73%	2.25%
6.0	1949.908	20.466	66.854	0.89%	3.24%
7.0	1958.234	24.258	91.112	1.05%	4.42%
8.0	1970.491	28.117	119.229	1.22%	5.78%
9.0	1986.212	32.067	151.296	1.39%	7.33%
10.0	2002.731	36.098	187.394	1.57%	9.08%
11.0	2016.520	40.161	227.555	1.75%	11.03%
12.0	2032.441	44.261	271.816	1.92%	13.17%
13.0	2042.033	48.354	320.17	2.10%	15.52%
14.0	2051.825	52.401	372.571	2.28%	18.06%
15.0	2059.885	56.447	429.018	2.45%	20.79%
16.0	2066.147	60.458	489.476	2.63%	23.72%
17.0	2066.879	64.362	553.838	2.80%	26.84%
18.0	2065.147	68.128	621.966	2.96%	30.14%
19.0	2055.489	71.691	693.657	3.12%	33.62%
20.0	2040.567	74.969	768.626	3.26%	37.25%
21.0	2017.253	77.918	846.545	3.39%	41.03%
22.0	1986.145	80.450	926.995	3.50%	44.93%
23.0	1946.644	82.521	1009.515	3.59%	48.93%
24.0	1897.484	84.046	1093.561	3.65%	53.00%
25.0	1835.001	84.869	1178.43	3.69%	57.11%
26.0	1760.728	84.878	1263.308	3.69%	61.23%
27.0	1670.735	83.952	1347.259	3.65%	65.30%
28.0	1560.558	81.809	1429.069	3.56%	69.26%
29.0	1423.955	78.083	1507.152	3.39%	73.05%
30.0	1285.215	73.147	1580.299	3.18%	76.59%
31.0	1159.903	68.044	1648.343	2.96%	79.89%
32.0	1035.958	62.909	1711.252	2.74%	82.94%
33.0	893.980	56.857	1768.109	2.47%	85.69%
34.0	751.769	49.805	1817.914	2.17%	88.11%
35.0	609.291	42.269	1860.183	1.84%	90.16%
36.0	470.957	34.395	1894.579	1.50%	91.82%
37.0	352.194	26.847	1921.425	1.17%	93.12%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	274.677	20.924	1942.349	0.91%	94.14%
39.0	204.081	16.341	1958.69	0.71%	94.93%
40.0	134.131	11.796	1970.486	0.51%	95.50%
41.0	100.132	8.342	1978.828	0.36%	95.91%
42.0	74.506	6.345	1985.173	0.28%	96.21%
43.0	65.593	5.190	1990.363	0.23%	96.46%
44.0	57.893	4.661	1995.023	0.20%	96.69%
45.0	52.224	4.232	1999.255	0.18%	96.90%
46.0	47.808	3.912	2003.167	0.17%	97.08%
47.0	43.764	3.642	2006.809	0.16%	97.26%
48.0	40.247	3.396	2010.206	0.15%	97.43%
49.0	37.163	3.179	2013.384	0.14%	97.58%
50.0	34.299	2.979	2016.364	0.13%	97.72%
51.0	31.654	2.790	2019.154	0.12%	97.86%
52.0	29.230	2.613	2021.767	0.11%	97.99%
53.0	27.231	2.456	2024.223	0.11%	98.11%
54.0	25.200	2.311	2026.534	0.10%	98.22%
55.0	23.354	2.167	2028.701	0.09%	98.32%
56.0	21.842	2.042	2030.744	0.09%	98.42%
57.0	20.363	1.930	2032.673	0.08%	98.51%
58.0	19.178	1.829	2034.502	0.08%	98.60%
59.0	18.199	1.747	2036.249	0.08%	98.69%
60.0	17.379	1.681	2037.93	0.07%	98.77%
61.0	16.646	1.624	2039.554	0.07%	98.85%
62.0	15.974	1.572	2041.126	0.07%	98.92%
63.0	15.301	1.521	2042.647	0.07%	99.00%
64.0	14.701	1.472	2044.119	0.06%	99.07%
65.0	14.095	1.425	2045.544	0.06%	99.14%
66.0	13.462	1.375	2046.919	0.06%	99.21%
67.0	12.876	1.324	2048.243	0.06%	99.27%
68.0	12.283	1.274	2049.518	0.06%	99.33%
69.0	11.717	1.224	2050.742	0.05%	99.39%
70.0	11.118	1.173	2051.915	0.05%	99.45%
71.0	10.511	1.118	2053.033	0.05%	99.50%
72.0	9.952	1.064	2054.097	0.05%	99.55%
73.0	9.359	1.010	2055.107	0.04%	99.60%
74.0	8.819	0.956	2056.062	0.04%	99.65%
75.0	8.267	0.903	2056.965	0.04%	99.69%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.654	0.845	2057.81	0.04%	99.73%
77.0	7.174	0.791	2058.601	0.03%	99.77%
78.0	6.608	0.738	2059.339	0.03%	99.81%
79.0	6.042	0.680	2060.018	0.03%	99.84%
80.0	5.502	0.622	2060.641	0.03%	99.87%
81.0	4.823	0.558	2061.199	0.02%	99.90%
82.0	4.097	0.484	2061.683	0.02%	99.92%
83.0	3.317	0.403	2062.086	0.02%	99.94%
84.0	2.665	0.326	2062.412	0.01%	99.96%
85.0	2.132	0.262	2062.673	0.01%	99.97%
86.0	1.619	0.205	2062.878	0.01%	99.98%
87.0	1.126	0.150	2063.029	0.01%	99.99%
88.0	0.866	0.109	2063.138	0.00%	99.99%
89.0	0.799	0.091	2063.229	0.00%	100.00%
90.0	0.746	0.085	2063.314	0.00%	100.00%

Zonal flux distribution table

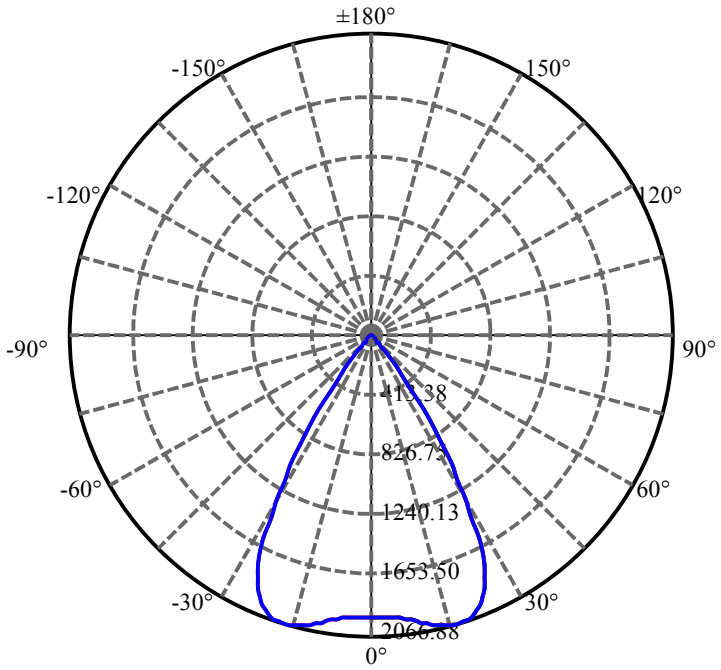
ZONAL LUMEN SUMMARY

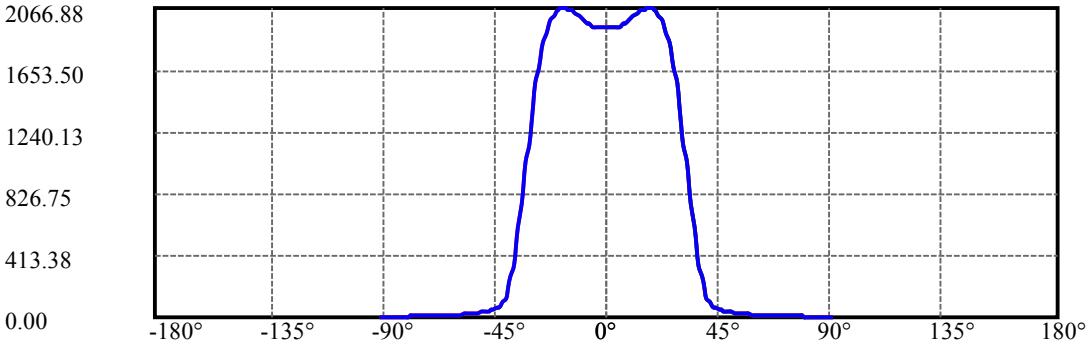
Zone	Lumens	%Lamp	%Fixt
0-30	1580.30	68.71%	76.59%
0-40	1970.49	85.67%	95.50%
0-60	2037.93	88.60%	98.77%
0-90	2063.23	89.70%	100.00%
0-120	2063.23	89.70%	100.00%
0-180	2063.31	89.71%	100.00%
60-90	25.30	1.10%	1.23%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-31.04	1650.65	71.76%	80.00%

ZONAL LUMEN SUMMARY

0-10	187.39
10-20	581.23
20-30	811.67
30-40	390.19
40-50	45.88
50-60	21.57
60-70	13.98
70-80	8.73
80-90	2.59
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):

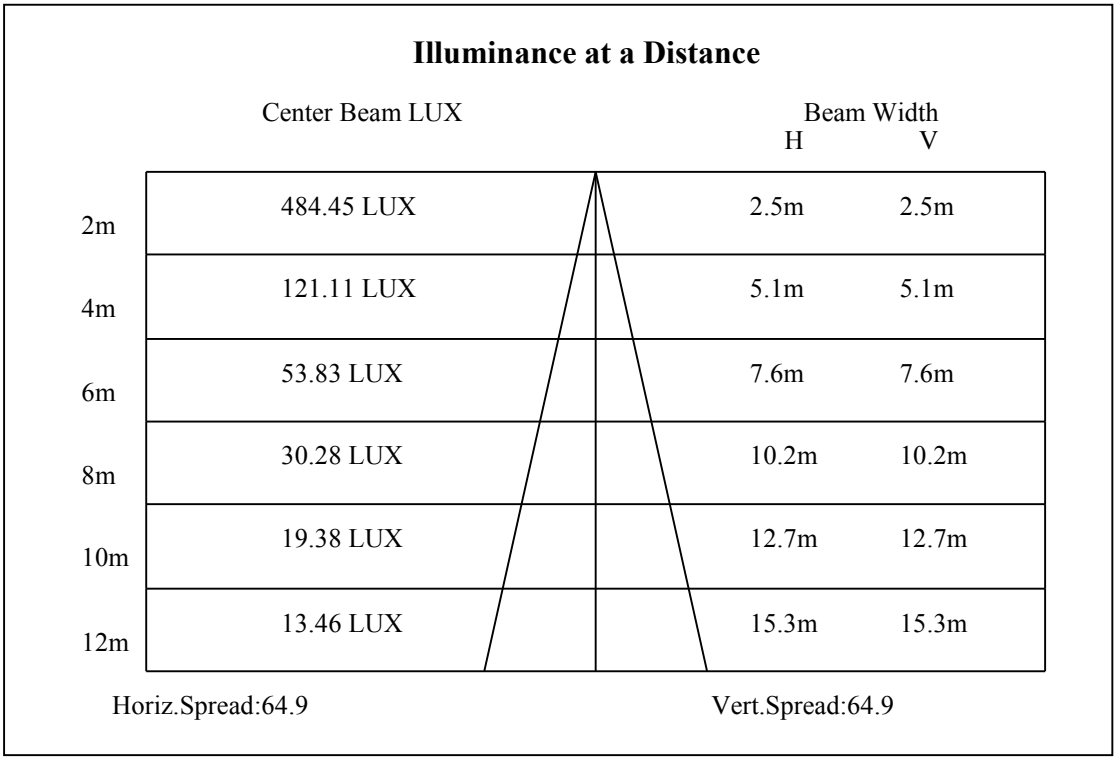
C0/C180:

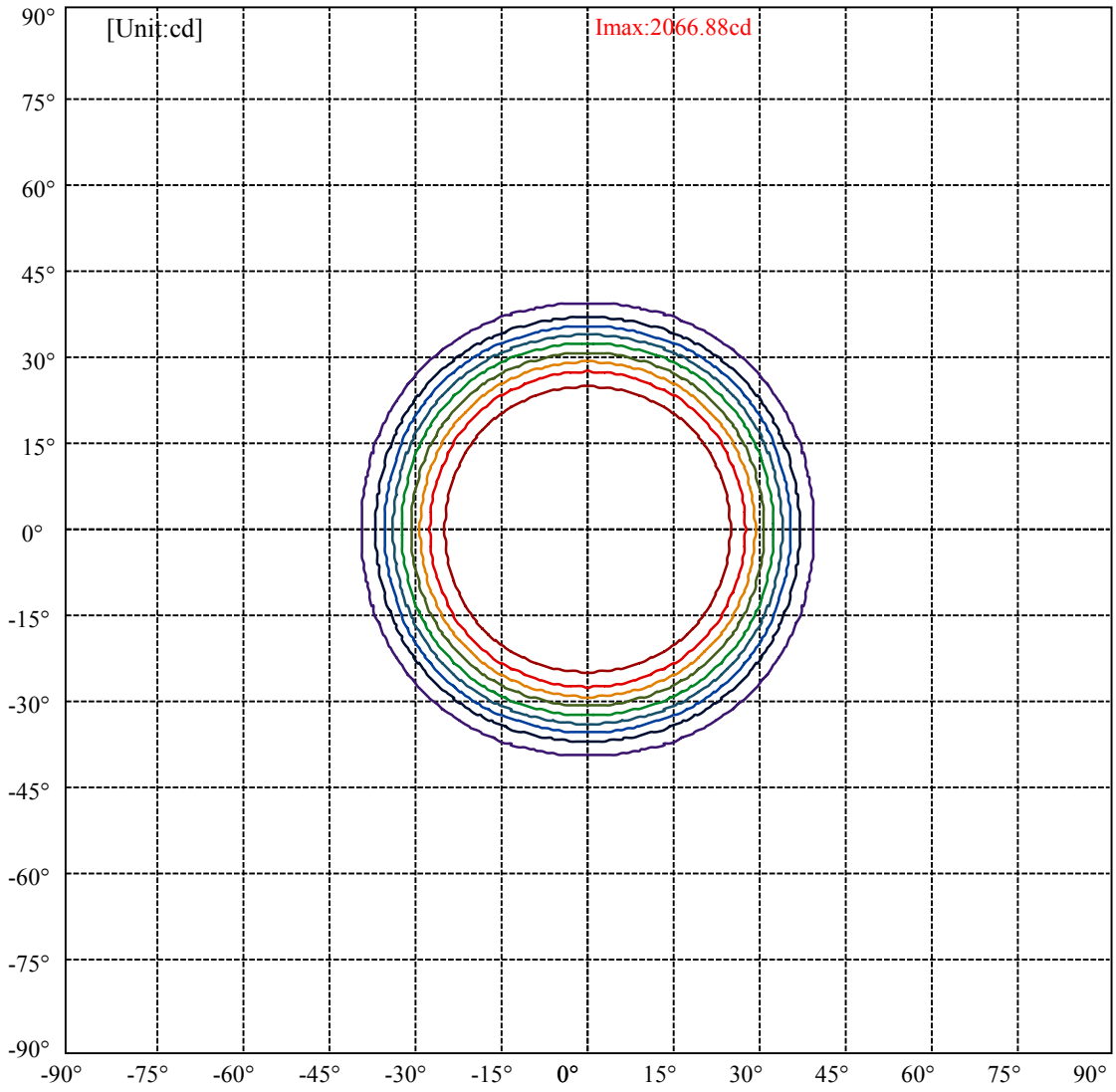
C90/C270:

Field angle(10%Imax):C0/180Left:56.0 Right:22.0
:C90/270Left:56.0 Right:22.0

Beam Angle(50%Imax):C0/180Left:49.0 Right:15.0
:C90/270Left:49.0 Right:15.0

Lux distance Curve

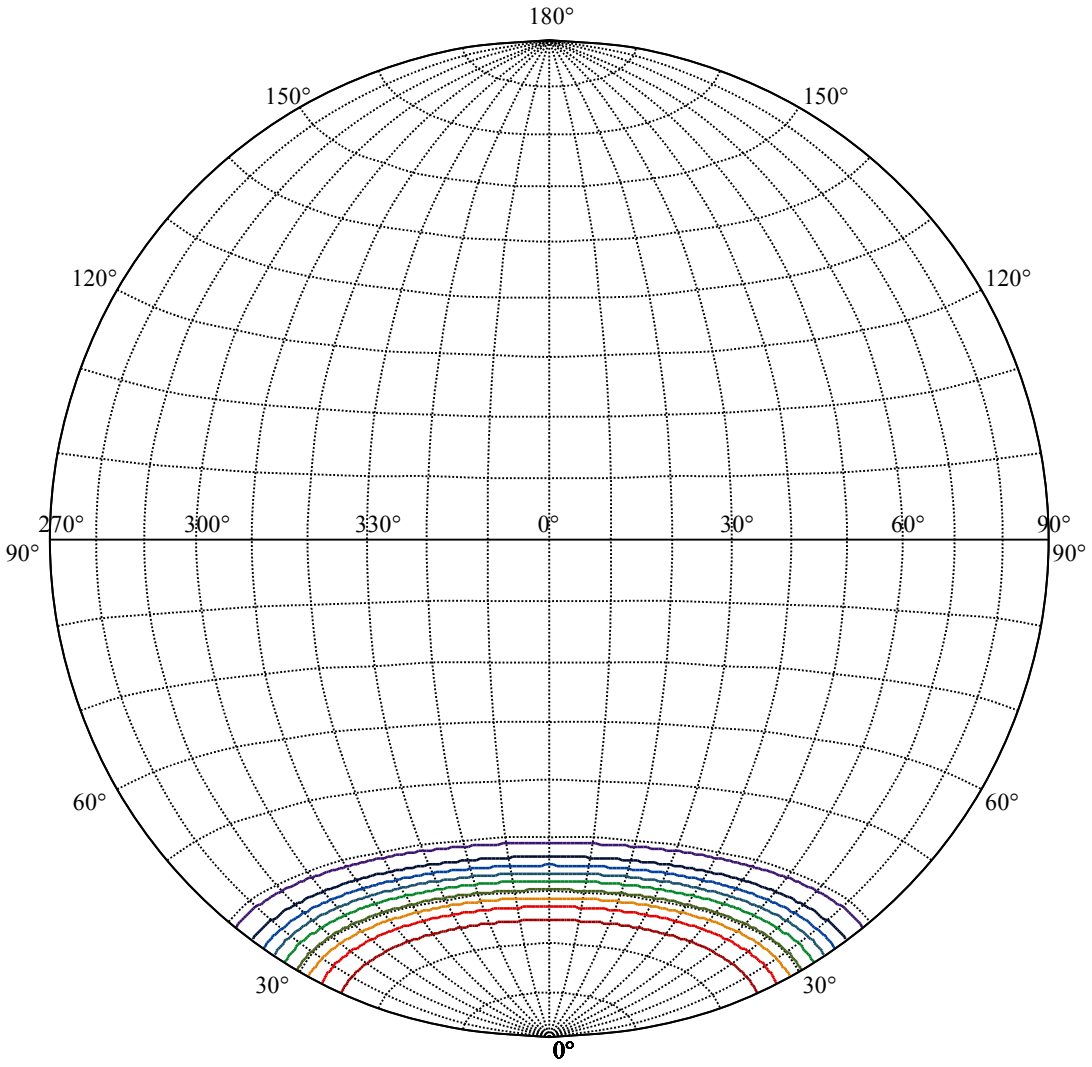




(10%Imax) 206.688
(20%Imax) 413.376
(30%Imax) 620.064
(40%Imax) 826.752
(50%Imax) 1033.44
(60%Imax) 1240.13
(70%Imax) 1446.82
(80%Imax) 1653.5
(90%Imax) 1860.19

Equipment: GMS 1800
Temperature(°C): 25.0
Date: 2025/3/26
Humidity(%): 60.0%
Operator: NT
Distance(m): 7.30

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:2066.88

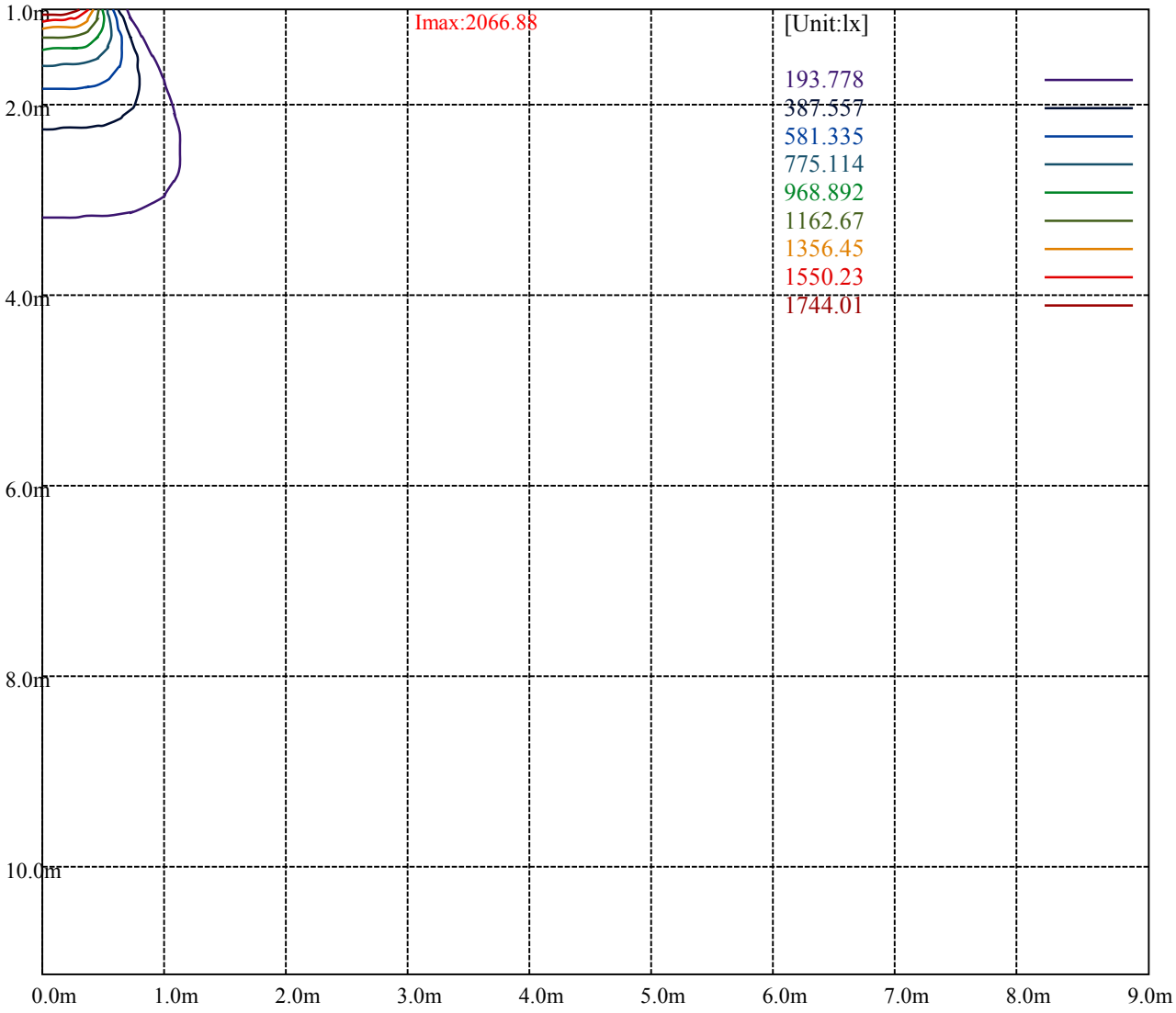
(10%Imax) 206.688
(20%Imax) 413.376
(30%Imax) 620.064
(40%Imax) 826.752
(50%Imax) 1033.44
(60%Imax) 1240.13
(70%Imax) 1446.82
(80%Imax) 1653.5
(90%Imax) 1860.19

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/3/26
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/3/26
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

NT NT 62-0089

Luminance Limitting Curve(no luminous side)

Luminance Table

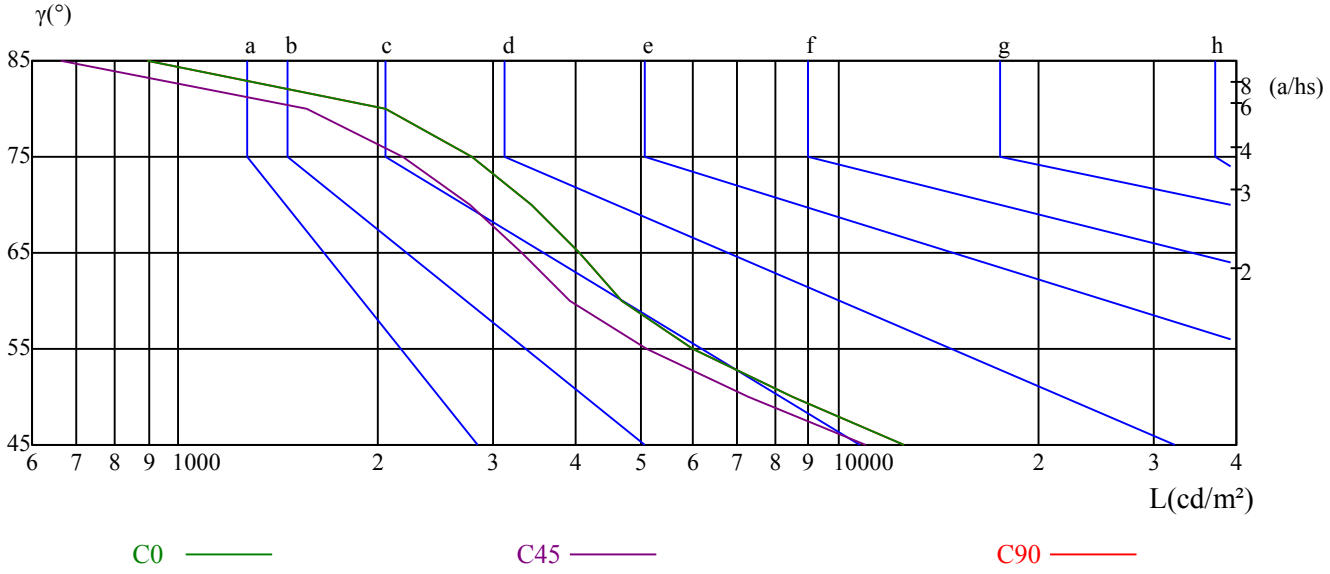
γ	45	50	55	60	65	70	75	80	85
C0	12539	8494	6018	4705	4052	3434	2782	2051	898
C45	10962	7317	5105	3925	3319	2756	2181	1564	663
C90	12539	8494	6018	4705	4052	3434	2782	2051	898

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
8676	8676	8676	8309	8309	8309	6362	6362	6362

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

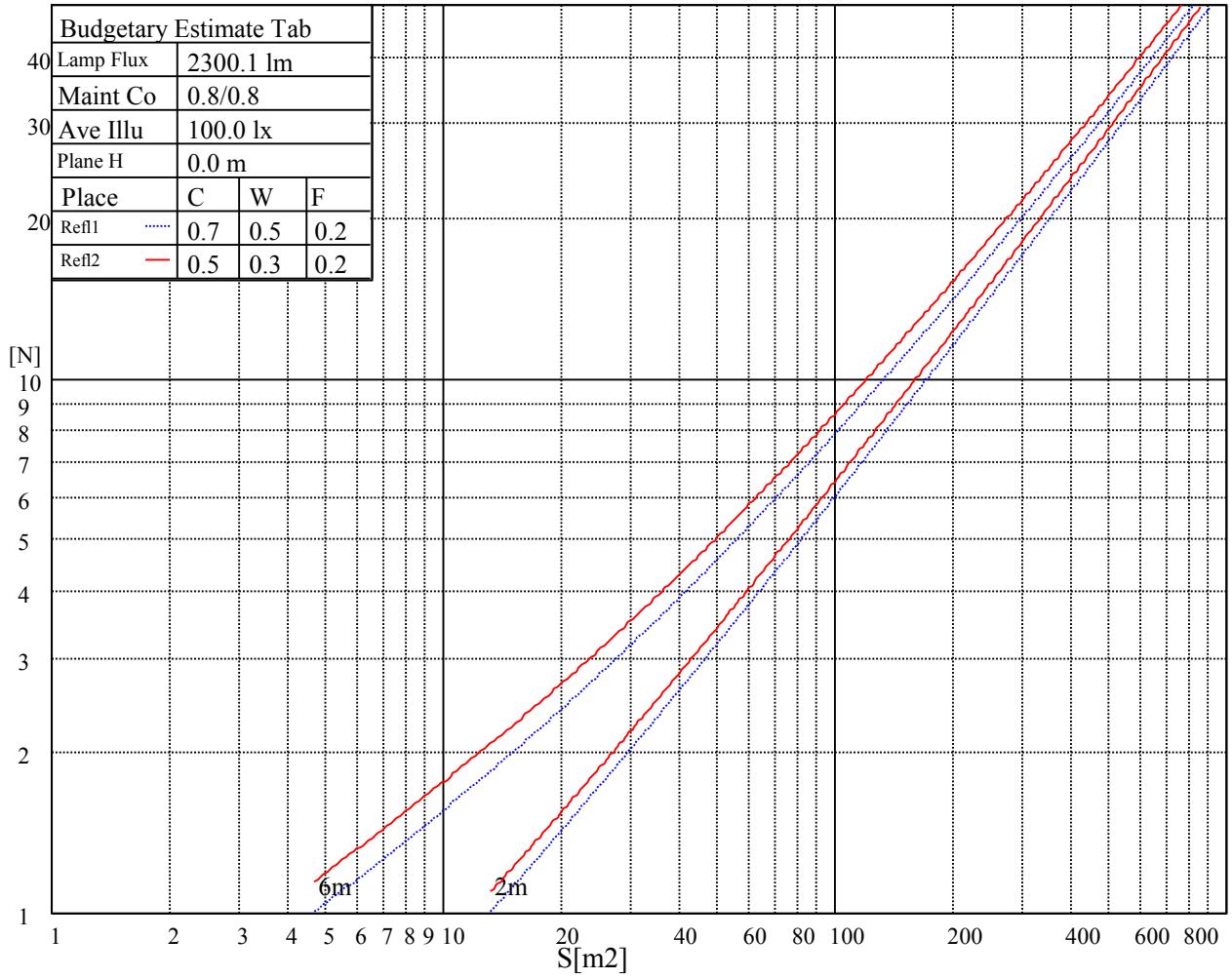


Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	18.72	19.66	19.08	19.97	20.29	18.24	19.19	18.61	19.50	19.82
	3H	18.61	19.45	18.99	19.78	20.13	18.14	18.98	18.53	19.32	19.66
	4H	18.55	19.32	18.95	19.68	20.05	18.08	18.86	18.49	19.21	19.58
	6H	18.50	19.20	18.92	19.58	19.98	18.04	18.74	18.46	19.12	19.52
	8H	18.43	19.11	18.85	19.49	19.90	17.97	18.65	18.39	19.03	19.44
	12H	18.36	19.00	18.79	19.40	19.82	17.91	18.54	18.33	18.94	19.36
4H	2H	18.45	19.23	18.85	19.58	19.95	17.98	18.76	18.39	19.11	19.48
	3H	18.34	18.99	18.77	19.39	19.81	17.89	18.54	18.31	18.93	19.35
	4H	18.34	18.90	18.78	19.33	19.78	17.89	18.45	18.33	18.88	19.33
	6H	18.26	18.76	18.74	19.21	19.66	17.82	18.32	18.30	18.77	19.22
	8H	18.22	18.68	18.71	19.14	19.61	17.78	18.24	18.27	18.70	19.17
	12H	18.18	18.60	18.67	19.05	19.57	17.74	18.16	18.23	18.61	19.13
8H	4H	18.18	18.64	18.67	19.10	19.57	17.74	18.20	18.23	18.65	19.13
	6H	18.11	18.49	18.62	18.97	19.48	17.68	18.05	18.19	18.53	19.05
	8H	18.13	18.44	18.66	18.96	19.46	17.70	18.01	18.23	18.53	19.03
	12H	18.09	18.32	18.63	18.84	19.36	17.66	17.89	18.20	18.41	18.93
12H	4H	18.13	18.55	18.62	19.01	19.53	17.69	18.11	18.18	18.56	19.09
	6H	18.11	18.42	18.64	18.94	19.44	17.68	17.99	18.21	18.51	19.01
	8H	18.09	18.32	18.63	18.84	19.36	17.66	17.89	18.20	18.41	18.93

Variation with the observer position at spacings:		
S = 1.0H	6.0/-8.1	6.0/-8.1
S = 1.5H	8.7/-7.9	8.7/-7.9
S = 2.0H	10.7/-7.8	10.7/-7.8
Standard tables:	BK0	BK0
Uncorrected UGR	0.6	0.6

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25

Budgetary Estimate Table



Equipment: GMS 1800
Temperature(°C): 25.0

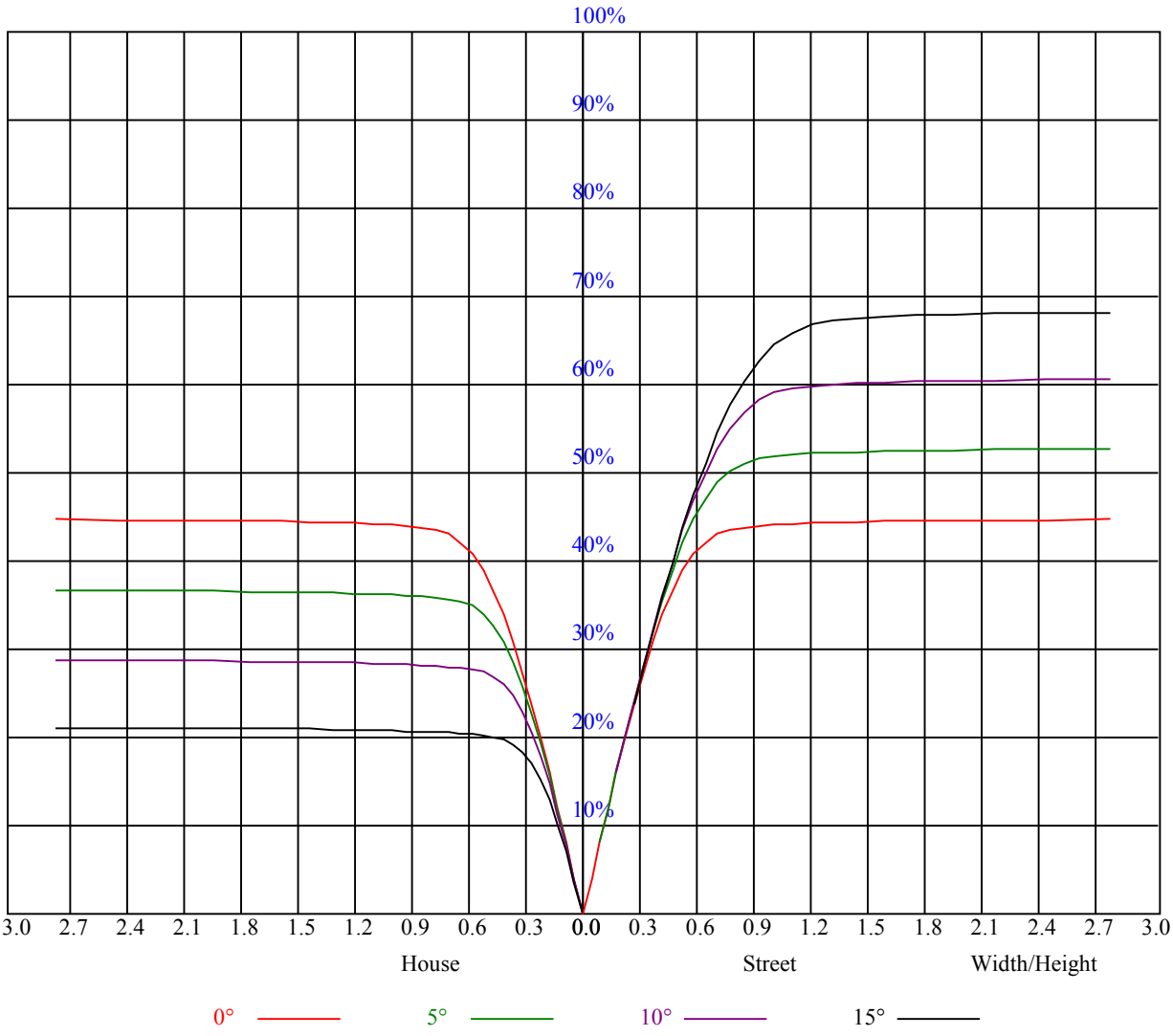
Date: 2025/3/26
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

Utilization factor table for indoor luminaire

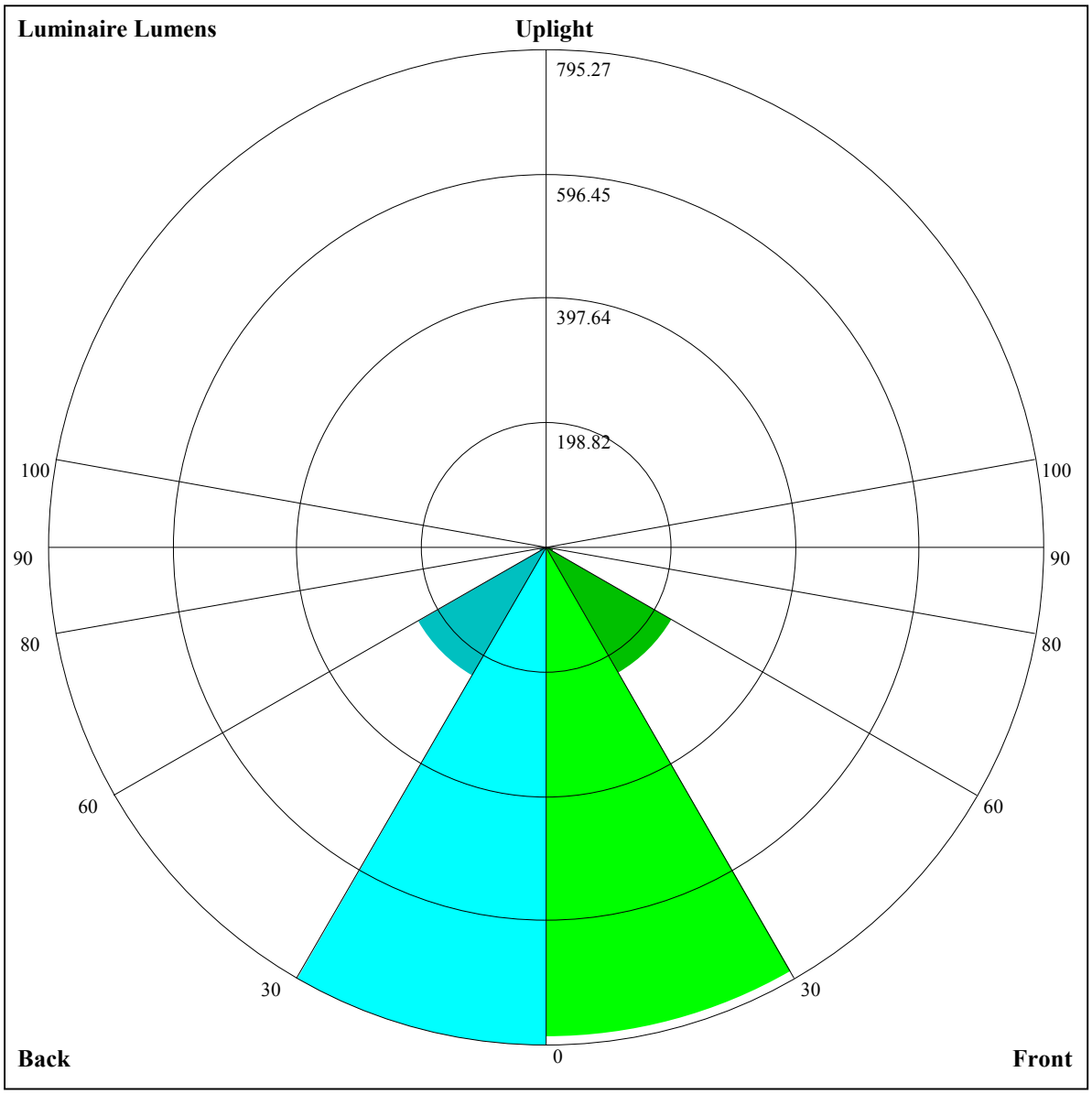
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.07	1.07	1.07	1.04	1.04	1.04	1.00	1.00	1.00	0.95	0.95	0.95	0.92	0.92	0.92	0.90
1	0.99	0.97	0.95	0.97	0.95	0.94	0.94	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84
2	0.92	0.89	0.86	0.91	0.88	0.85	0.88	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.80	0.78
3	0.86	0.82	0.78	0.85	0.81	0.78	0.83	0.79	0.76	0.81	0.78	0.75	0.79	0.76	0.74	0.73
4	0.81	0.76	0.72	0.80	0.75	0.72	0.78	0.74	0.71	0.76	0.73	0.70	0.74	0.72	0.69	0.68
5	0.76	0.71	0.67	0.75	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.70	0.67	0.65	0.63
6	0.71	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.59
7	0.67	0.62	0.58	0.66	0.61	0.58	0.65	0.61	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.56
8	0.63	0.58	0.54	0.63	0.58	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.53	0.52
9	0.60	0.54	0.51	0.59	0.54	0.51	0.58	0.54	0.51	0.58	0.53	0.50	0.57	0.53	0.50	0.49
10	0.56	0.51	0.48	0.56	0.51	0.48	0.55	0.51	0.48	0.55	0.50	0.47	0.54	0.50	0.47	0.46

Coefficient Utilization Curve



Equipment: GMS 1800	Date: 2025/3/26	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.30

LCS Graph



Luminaire Lumens:

FL=782.91,FM=231.28,FH=11.4,FVH=1.39

BL=795.27,BM=236.35,BH=11.27,BVH=1.34

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	1926.59	1915.94	1913.80	1908.47	1905.81	1906.34	1912.74	1917.00	1924.46
45.0	1940.98	1943.11	1938.85	1948.98	1952.17	1956.44	1960.17	1966.56	1976.15
90.0	1949.51	1960.70	1971.89	1977.22	1986.28	2001.20	2012.92	2029.98	2046.50
135.0	1934.05	1947.38	1964.43	1973.49	1980.42	1988.94	2006.53	2024.11	2040.63
180.0	1926.59	1940.98	1947.91	1961.76	1970.29	1976.69	1984.68	1994.80	2004.93
225.0	1940.98	1934.59	1936.72	1933.52	1930.32	1932.99	1938.32	1944.71	1955.37
270.0	1949.51	1938.32	1924.99	1912.21	1908.47	1902.61	1894.62	1895.15	1902.08
315.0	1934.05	1917.53	1902.08	1896.75	1891.42	1890.89	1889.29	1893.55	1913.80
360.0	1926.59	1915.94	1913.80	1908.47	1905.81	1906.34	1912.74	1917.00	1924.46

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1940.98	1949.51	1960.70	1973.49	1978.82	1980.95	1984.68	1985.75	1981.48
45.0	1992.14	2004.40	2017.19	2028.38	2031.04	2042.23	2044.36	2041.17	2036.37
90.0	2064.08	2081.67	2097.65	2112.04	2115.77	2121.63	2122.70	2120.04	2111.51
135.0	2056.09	2082.73	2097.65	2111.51	2123.77	2131.76	2138.69	2147.21	2144.02
180.0	2026.25	2046.50	2059.29	2079.54	2095.52	2106.71	2114.71	2123.77	2130.16
225.0	1969.23	1986.28	1995.87	2005.46	2013.46	2017.72	2021.98	2025.71	2027.84
270.0	1915.40	1928.72	1944.71	1958.57	1975.09	1992.67	2010.79	2026.78	2035.30
315.0	1925.53	1942.05	1959.10	1990.54	2002.80	2020.92	2041.17	2058.75	2068.34
360.0	1940.98	1949.51	1960.70	1973.49	1978.82	1980.95	1984.68	1985.75	1981.48

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1978.28	1960.17	1948.44	1922.33	1884.49	1844.53	1790.70	1720.89	1634.03
45.0	2026.25	2014.52	1994.80	1967.09	1932.46	1889.82	1841.86	1784.31	1727.29
90.0	2097.12	2069.94	2034.77	1996.40	1945.24	1886.09	1812.02	1723.56	1620.71
135.0	2138.15	2118.44	2094.99	2059.82	2015.59	1963.36	1902.61	1829.07	1736.35
180.0	2129.63	2127.50	2114.17	2092.86	2066.21	2032.64	1988.94	1931.39	1852.52
225.0	2021.98	2006.53	1997.47	1975.09	1943.65	1903.15	1850.39	1784.84	1703.84
270.0	2050.76	2059.29	2058.75	2054.49	2045.43	2024.11	1997.47	1964.43	1934.59
315.0	2079.00	2087.53	2081.13	2069.94	2056.09	2029.44	1995.87	1941.51	1876.50
360.0	1978.28	1960.17	1948.44	1922.33	1884.49	1844.53	1790.70	1720.89	1634.03

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1540.24	1428.86	1303.63	1033.45	1033.45	912.64	731.67	611.40	467.03
45.0	1642.02	1522.66	1427.80	1302.03	1164.01	1020.66	871.98	721.71	575.16
90.0	1505.07	1377.71	1033.08	1001.21	936.78	843.10	626.00	482.65	404.15
135.0	1631.37	1513.60	1378.24	1234.36	1142.70	928.47	833.62	674.81	528.80
180.0	1799.23	1656.95	1588.20	1461.90	1263.13	1174.67	1018.53	860.79	703.05
225.0	1610.05	1498.14	1380.37	1196.52	1009.31	1009.31	810.33	718.62	578.78
270.0	1844.53	1798.16	1707.04	1610.58	1500.27	1376.11	1237.02	1087.81	927.41
315.0	1793.37	1688.39	1573.28	1441.65	1229.56	1022.69	1022.69	856.37	689.95
360.0	1540.24	1428.86	1303.63	1033.45	1033.45	912.64	731.67	611.40	467.03

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	348.41	248.70	172.66	123.21	92.35	75.51	67.15	60.59	54.73
45.0	440.34	327.89	307.11	267.14	114.09	96.19	73.17	68.21	61.66
90.0	292.83	208.42	144.90	104.29	81.96	70.24	62.83	56.59	51.32
135.0	396.64	288.99	288.99	137.81	98.00	77.06	66.35	59.31	53.56
180.0	548.51	413.16	300.72	300.72	142.76	107.43	77.54	66.13	60.59
225.0	448.22	334.45	244.33	173.89	122.51	91.93	75.03	65.97	58.89
270.0	760.08	601.80	456.86	331.62	289.52	190.88	102.58	86.22	66.67
315.0	532.63	394.13	281.85	193.98	131.84	91.82	71.41	61.71	55.74
360.0	348.41	248.70	172.66	123.21	92.35	75.51	67.15	60.59	54.73

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	49.67	45.35	41.62	38.37	35.44	32.67	30.11	27.87	26.65
45.0	55.85	50.84	46.52	42.74	39.43	36.50	33.84	31.33	29.15
90.0	46.63	42.74	39.33	36.45	33.68	31.12	28.88	26.75	24.78
135.0	48.65	44.34	40.55	38.00	34.64	32.61	30.27	28.08	25.95
180.0	53.56	48.87	45.51	41.83	38.74	35.76	33.04	30.59	28.30
225.0	53.24	48.17	43.86	39.97	36.72	33.68	31.07	28.67	27.39
270.0	59.58	56.17	50.89	46.36	42.37	38.69	35.38	32.40	29.68
315.0	50.63	45.99	41.83	38.26	36.29	33.36	30.64	28.14	25.95
360.0	49.67	45.35	41.62	38.37	35.44	32.67	30.11	27.87	26.65

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	23.98	22.97	21.42	19.56	18.86	18.07	17.32	16.57	15.83
45.0	27.23	25.37	23.71	22.28	20.94	19.77	18.92	18.12	17.53
90.0	23.45	21.64	20.46	19.18	18.12	17.37	16.63	15.93	15.24
135.0	24.03	22.28	20.68	19.29	18.07	17.21	16.41	15.67	15.03
180.0	26.27	24.41	22.75	21.32	20.04	18.86	18.07	17.37	16.63
225.0	25.31	22.86	21.96	20.57	19.40	18.39	17.59	16.84	16.15
270.0	27.28	25.05	23.07	21.42	19.93	18.70	17.64	16.84	16.15
315.0	24.03	22.28	20.68	19.29	18.07	17.21	16.47	15.83	15.24
360.0	23.98	22.97	21.42	19.56	18.86	18.07	17.32	16.57	15.83

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	15.19	14.55	13.91	13.22	12.63	11.94	11.30	10.71	10.13
45.0	16.68	15.99	15.51	14.87	14.18	13.48	12.90	12.20	11.51
90.0	14.60	13.96	13.32	12.63	11.99	11.40	10.76	10.18	9.59
135.0	14.34	13.70	13.06	12.58	11.99	11.40	11.03	10.28	9.70
180.0	15.93	15.29	14.92	14.02	13.43	13.06	12.42	11.78	11.19
225.0	15.51	14.81	14.18	13.54	12.90	12.20	11.62	11.03	10.39
270.0	15.51	15.19	14.28	13.75	13.38	12.79	12.26	11.67	11.08
315.0	14.65	14.12	13.59	13.11	12.52	11.99	11.46	11.08	10.50
360.0	15.19	14.55	13.91	13.22	12.63	11.94	11.30	10.71	10.13

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	9.49	8.90	8.53	7.73	7.14	6.77	6.02	5.60	5.01
45.0	10.87	10.23	9.59	8.90	8.26	7.73	7.09	6.39	5.81
90.0	9.06	8.47	7.94	7.67	6.98	6.66	6.18	5.33	4.90
135.0	9.38	8.90	8.42	7.94	7.51	7.03	6.50	5.97	5.49
180.0	10.55	9.91	9.33	8.74	8.05	7.41	6.77	6.23	5.65
225.0	9.75	9.11	8.53	8.05	7.30	6.87	6.23	5.65	5.06
270.0	10.55	10.02	9.49	8.85	8.31	7.73	7.19	6.66	6.13
315.0	9.97	9.33	8.74	8.26	7.67	7.19	6.87	6.50	5.97
360.0	9.49	8.90	8.53	7.73	7.14	6.77	6.02	5.60	5.01

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.37	3.30	2.77	2.13	1.60	1.17	0.85	0.75	0.75
45.0	5.12	4.32	3.36	2.61	1.87	1.44	0.85	0.59	0.48
90.0	3.84	3.20	2.72	2.29	1.65	1.01	0.85	0.80	0.75
135.0	4.85	4.16	3.36	2.88	2.29	1.49	1.01	0.91	0.91
180.0	5.01	4.42	3.46	2.77	2.34	1.92	1.23	0.75	0.64
225.0	4.37	3.46	2.88	2.18	1.55	1.07	0.64	0.53	0.48
270.0	5.70	5.22	4.21	3.20	2.77	2.40	1.92	1.23	1.07
315.0	5.33	4.69	3.78	3.25	2.98	2.45	1.65	1.39	1.33
360.0	4.37	3.30	2.77	2.13	1.60	1.17	0.85	0.75	0.75

Intensity data(cd)

C/γ(°)	90.0
0.0	0.75
45.0	0.48
90.0	0.59
135.0	0.69
180.0	0.59
225.0	0.48
270.0	1.07
315.0	1.33
360.0	0.75