NATA LIGHTING CO.,LTD.
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Address:Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client: NT
LumCAT: 61-065
Luminaire: 92.70.458.00
Report No: 20250613-B003
Ballast type: AC

Test No: 20250613-C003	Voltage(V): 34.370
LampCAT: LUMINUS CXM-4	Current(A): 0.120
Lamp flux(lm): 479.6	Power (W): 4.124
Number of Lamps: 1	PF: 0.000
Length(mm): 28	Width(mm): 28
Phm Type: C	Height(mm): 14

Photometric Results

Lumens(lm): 417.15, Efficiency(%): 86.99% , Luminous Efficacy(lm/W): 101.15
Central intensity(cd): 2079.935, Maximum intensity(cd): 2079.935
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=23.6
[C90/270]Total=23.6
Field angle(10%Imax): [C0/180]Total=41.8
[C90/270]Total=41.8
Maximum s/h(1/2): C0_180=0.40 C90_270=0.40
Maximum s/h(1/4): C0_180=0.40 C90_270=0.40
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 86.99%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.645%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2079.935	0.000	0	0.00%	0.00%
1.0	2070.476	1.986	1.986	0.41%	0.48%
2.0	2047.095	5.910	7.896	1.23%	1.89%
3.0	2008.527	9.700	17.596	2.02%	4.22%
4.0	1954.171	13.264	30.86	2.77%	7.40%
5.0	1880.031	16.495	47.354	3.44%	11.35%
6.0	1787.773	19.275	66.63	4.02%	15.97%
7.0	1689.853	21.586	88.215	4.50%	21.15%
8.0	1574.213	23.360	111.576	4.87%	26.75%
9.0	1406.370	24.156	135.732	5.04%	32.54%
10.0	1310.315	24.585	160.317	5.13%	38.43%
11.0	1160.683	24.690	185.007	5.15%	44.35%
12.0	1016.267	23.797	208.804	4.96%	50.06%
13.0	905.117	22.802	231.606	4.75%	55.52%
14.0	813.692	22.001	253.607	4.59%	60.80%
15.0	677.009	20.465	274.072	4.27%	65.70%
16.0	569.690	18.268	292.339	3.81%	70.08%
17.0	477.365	16.305	308.645	3.40%	73.99%
18.0	391.748	14.330	322.975	2.99%	77.42%
19.0	320.673	12.395	335.369	2.58%	80.40%
20.0	249.650	10.438	345.808	2.18%	82.90%
21.0	201.023	8.654	354.462	1.80%	84.97%
22.0	164.506	7.345	361.807	1.53%	86.73%
23.0	125.118	6.077	367.884	1.27%	88.19%
24.0	87.988	4.659	372.543	0.97%	89.31%
25.0	68.471	3.558	376.101	0.74%	90.16%
26.0	54.196	2.896	378.997	0.60%	90.85%
27.0	43.631	2.393	381.39	0.50%	91.43%
28.0	35.691	2.008	383.398	0.42%	91.91%
29.0	29.849	1.715	385.113	0.36%	92.32%
30.0	25.386	1.491	386.604	0.31%	92.68%
31.0	22.022	1.319	387.924	0.28%	92.99%
32.0	19.424	1.187	389.111	0.25%	93.28%
33.0	17.319	1.082	390.193	0.23%	93.54%
34.0	15.661	0.998	391.192	0.21%	93.78%
35.0	14.308	0.931	392.122	0.19%	94.00%
36.0	13.003	0.870	392.992	0.18%	94.21%
37.0	11.864	0.811	393.803	0.17%	94.40%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	11.038	0.764	394.567	0.16%	94.59%
39.0	10.072	0.721	395.288	0.15%	94.76%
40.0	9.499	0.683	395.97	0.14%	94.92%
41.0	8.946	0.657	396.627	0.14%	95.08%
42.0	8.846	0.646	397.274	0.13%	95.24%
43.0	9.279	0.671	397.945	0.14%	95.40%
44.0	9.912	0.724	398.669	0.15%	95.57%
45.0	10.318	0.777	399.447	0.16%	95.76%
46.0	9.859	0.789	400.236	0.16%	95.95%
47.0	8.493	0.730	400.966	0.15%	96.12%
48.0	7.454	0.645	401.61	0.13%	96.28%
49.0	6.801	0.585	402.196	0.12%	96.42%
50.0	5.902	0.530	402.725	0.11%	96.54%
51.0	5.575	0.486	403.211	0.10%	96.66%
52.0	5.476	0.474	403.685	0.10%	96.77%
53.0	5.336	0.470	404.156	0.10%	96.89%
54.0	5.236	0.466	404.621	0.10%	97.00%
55.0	5.142	0.463	405.085	0.10%	97.11%
56.0	5.016	0.459	405.544	0.10%	97.22%
57.0	4.956	0.456	406	0.10%	97.33%
58.0	4.783	0.450	406.45	0.09%	97.44%
59.0	4.670	0.442	406.892	0.09%	97.54%
60.0	4.476	0.432	407.324	0.09%	97.65%
61.0	4.257	0.417	407.741	0.09%	97.75%
62.0	4.043	0.400	408.141	0.08%	97.84%
63.0	3.810	0.382	408.523	0.08%	97.93%
64.0	3.624	0.365	408.887	0.08%	98.02%
65.0	3.431	0.349	409.237	0.07%	98.10%
66.0	3.204	0.331	409.568	0.07%	98.18%
67.0	3.004	0.312	409.88	0.07%	98.26%
68.0	2.798	0.294	410.174	0.06%	98.33%
69.0	2.578	0.274	410.448	0.06%	98.39%
70.0	2.391	0.255	410.703	0.05%	98.46%
71.0	2.245	0.240	410.943	0.05%	98.51%
72.0	2.112	0.227	411.169	0.05%	98.57%
73.0	1.998	0.215	411.384	0.04%	98.62%
74.0	1.932	0.207	411.591	0.04%	98.67%
75.0	2.198	0.218	411.809	0.05%	98.72%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	3.044	0.278	412.087	0.06%	98.79%
77.0	3.997	0.375	412.463	0.08%	98.88%
78.0	4.536	0.457	412.92	0.10%	98.99%
79.0	4.769	0.500	413.42	0.10%	99.11%
80.0	5.189	0.537	413.956	0.11%	99.24%
81.0	5.329	0.569	414.525	0.12%	99.37%
82.0	5.136	0.567	415.093	0.12%	99.51%
83.0	4.396	0.518	415.611	0.11%	99.63%
84.0	3.058	0.406	416.017	0.08%	99.73%
85.0	1.965	0.274	416.291	0.06%	99.80%
86.0	1.725	0.202	416.493	0.04%	99.84%
87.0	1.579	0.181	416.674	0.04%	99.89%
88.0	1.412	0.164	416.837	0.03%	99.93%
89.0	1.426	0.156	416.993	0.03%	99.96%
90.0	1.366	0.153	417.146	0.03%	100.00%

Zonal flux distribution table

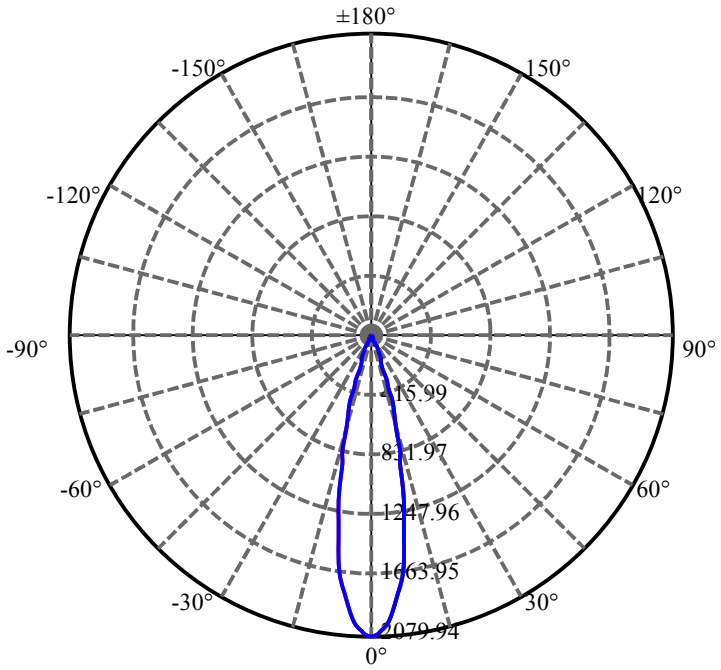
ZONAL LUMEN SUMMARY

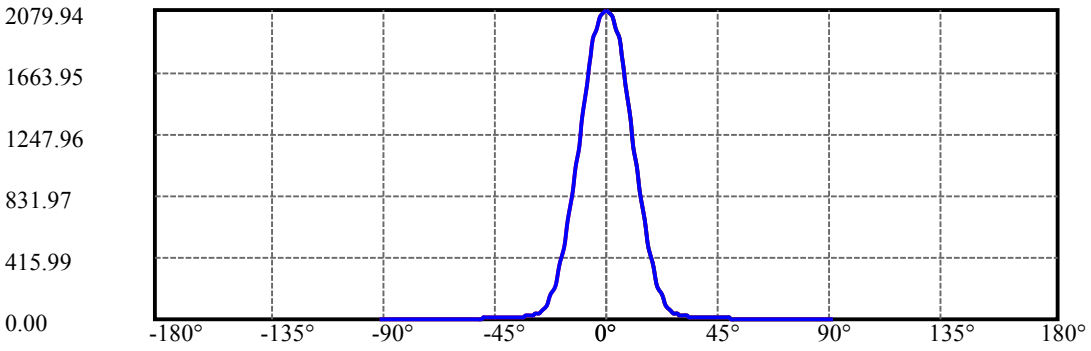
Zone	Lumens	%Lamp	%Fixt
0-30	386.60	80.62%	92.68%
0-40	395.97	82.57%	94.92%
0-60	407.32	84.94%	97.65%
0-90	416.99	86.95%	99.96%
0-120	416.99	86.95%	99.96%
0-180	417.15	86.99%	100.00%
60-90	9.67	2.02%	2.32%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-18.87	333.72	69.59%	80.00%

ZONAL LUMEN SUMMARY

0-10	160.32
10-20	185.49
20-30	40.80
30-40	9.37
40-50	6.76
50-60	4.60
60-70	3.38
70-80	3.25
80-90	3.04
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):

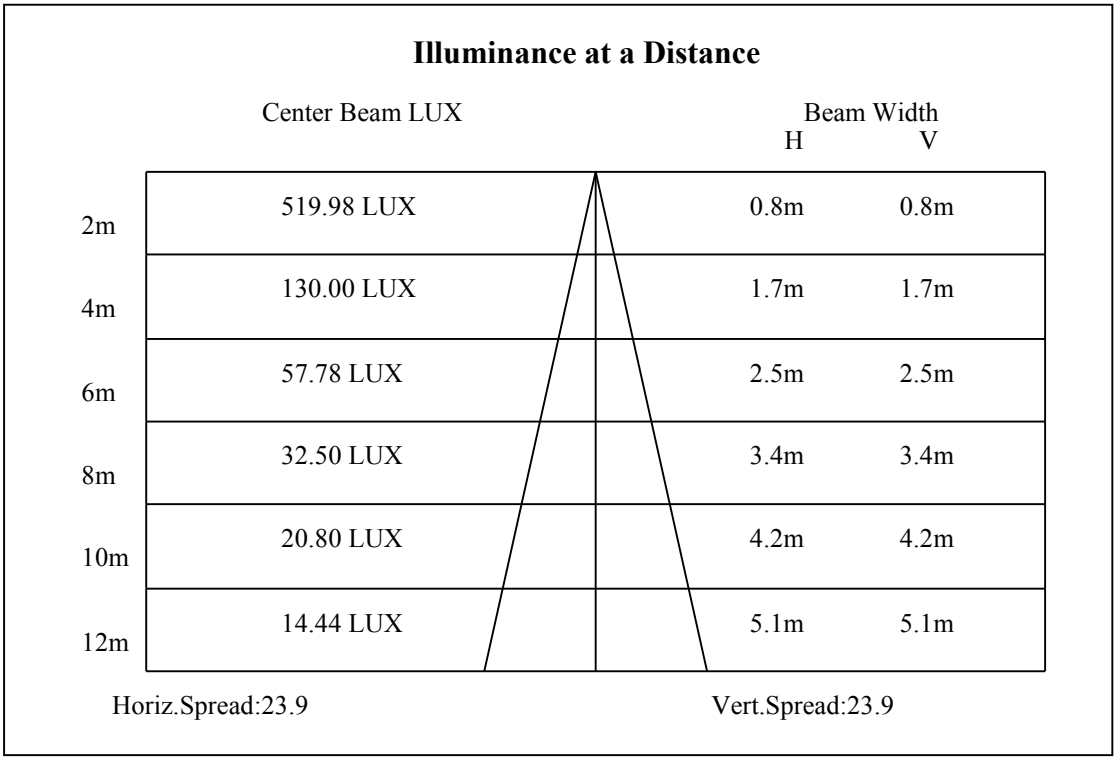
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:20.9 Right:20.9
:C90/270Left:20.9 Right:20.9

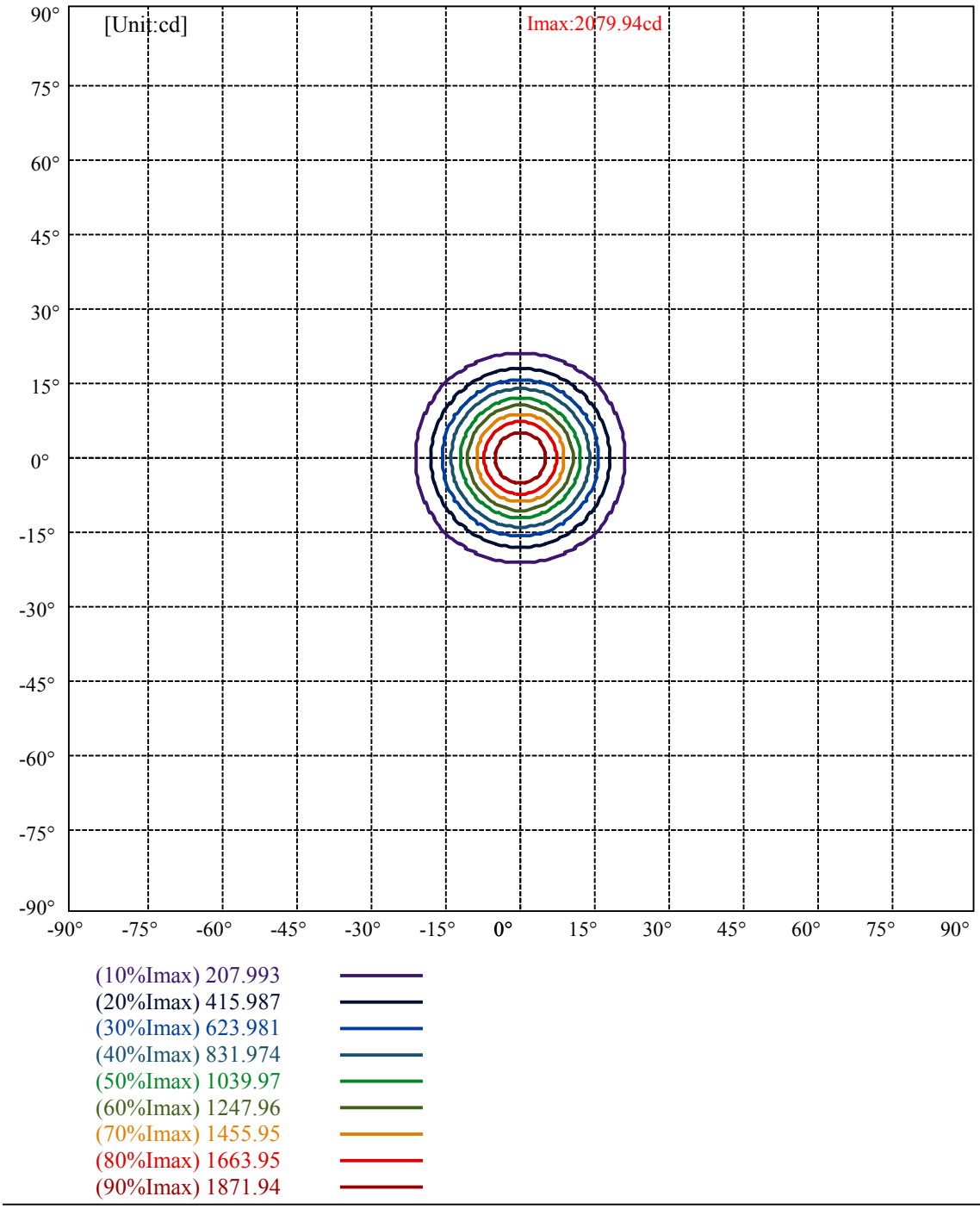
Beam Angle(50%Imax):C0/180Left:11.8 Right:11.8
:C90/270Left:11.8 Right:11.8

Lux distance Curve



Equipment: GMS 1800 Date: 2025/6/13 Operator: NT
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.30

ISO-Intensity(V-H)

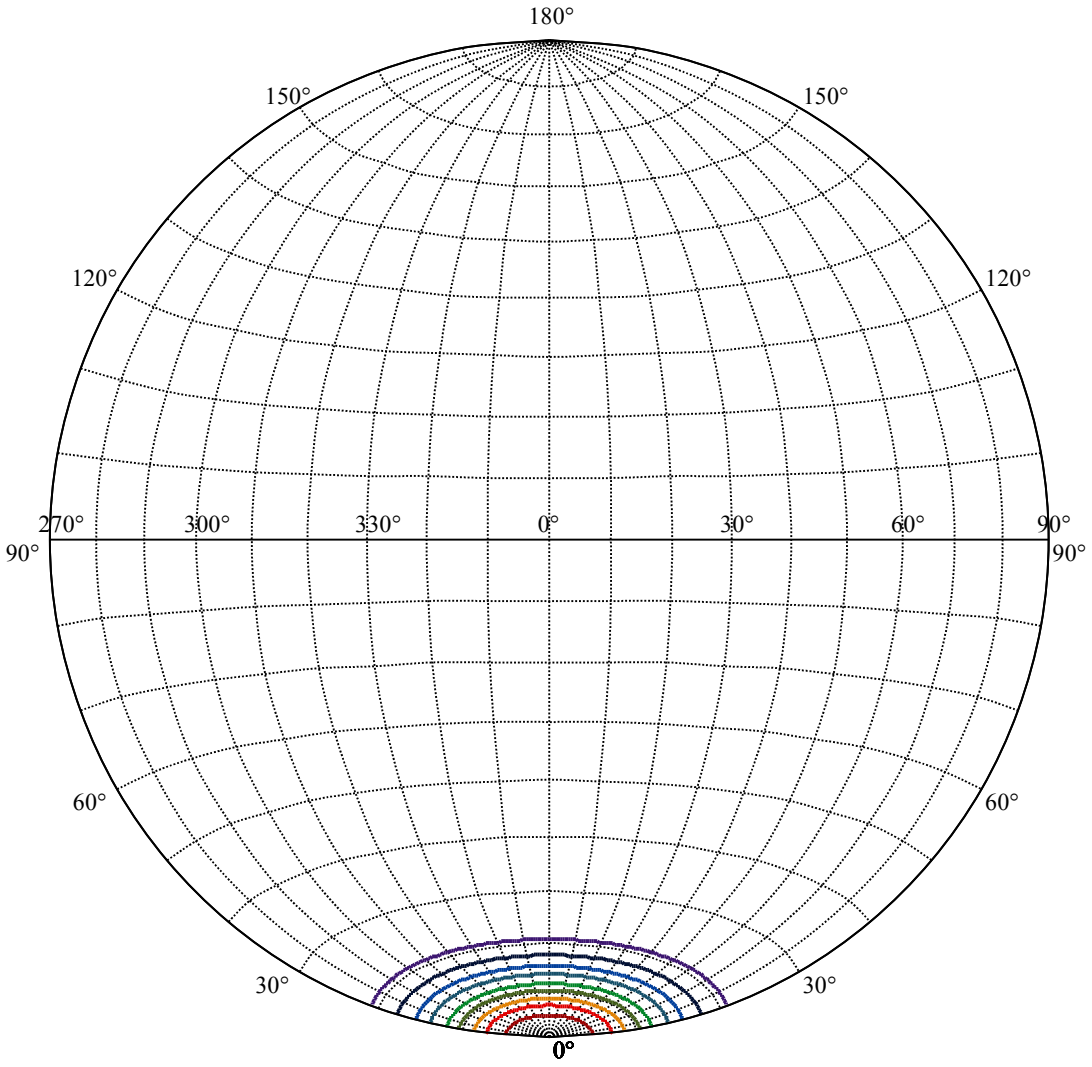


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/6/13
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:2079.94

(10%Imax) 207.993
(20%Imax) 415.987
(30%Imax) 623.981
(40%Imax) 831.974
(50%Imax) 1039.97
(60%Imax) 1247.96
(70%Imax) 1455.95
(80%Imax) 1663.95
(90%Imax) 1871.94

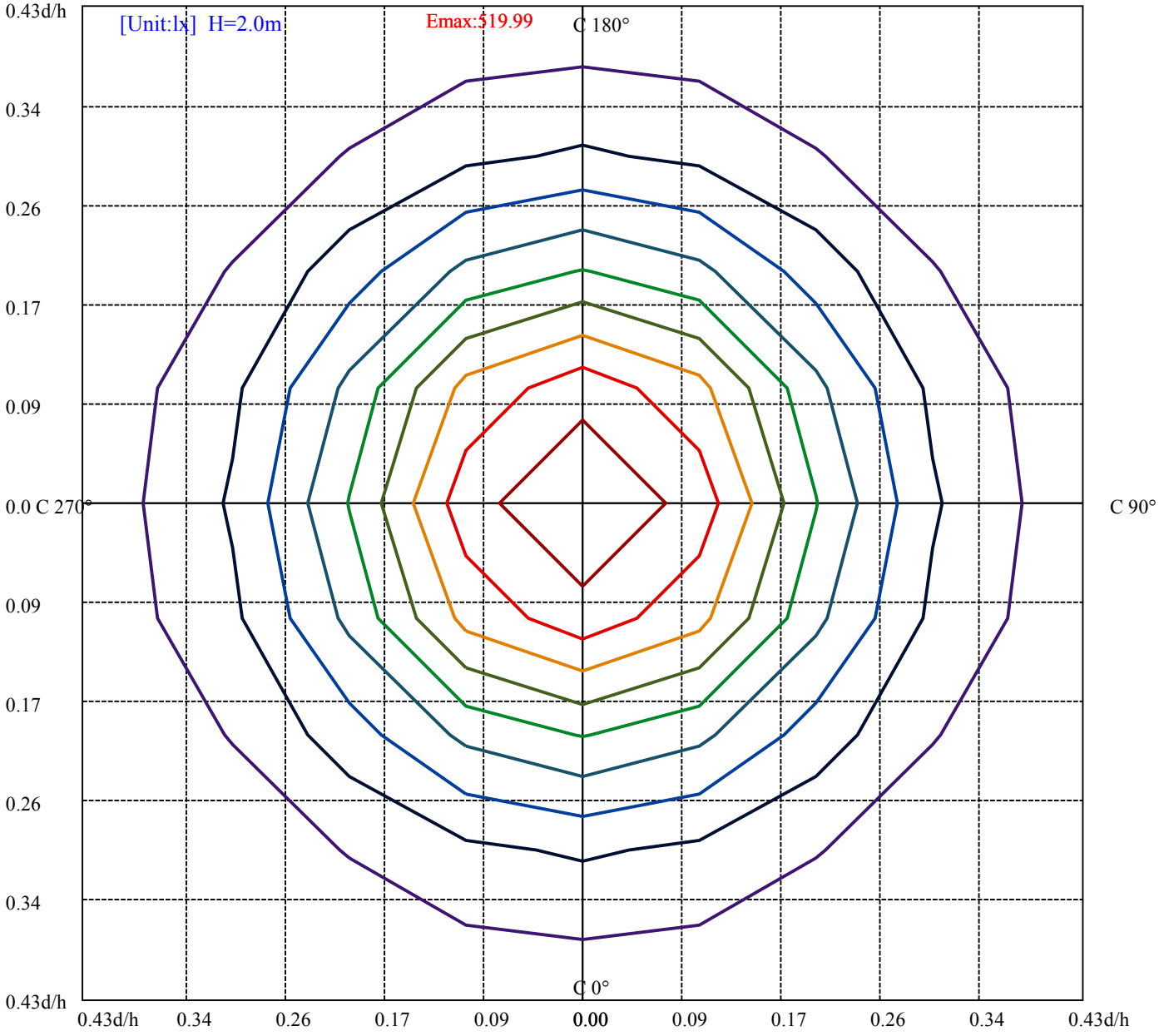
Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/6/13
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

NT NT 61-065

ISO illuminance diagram



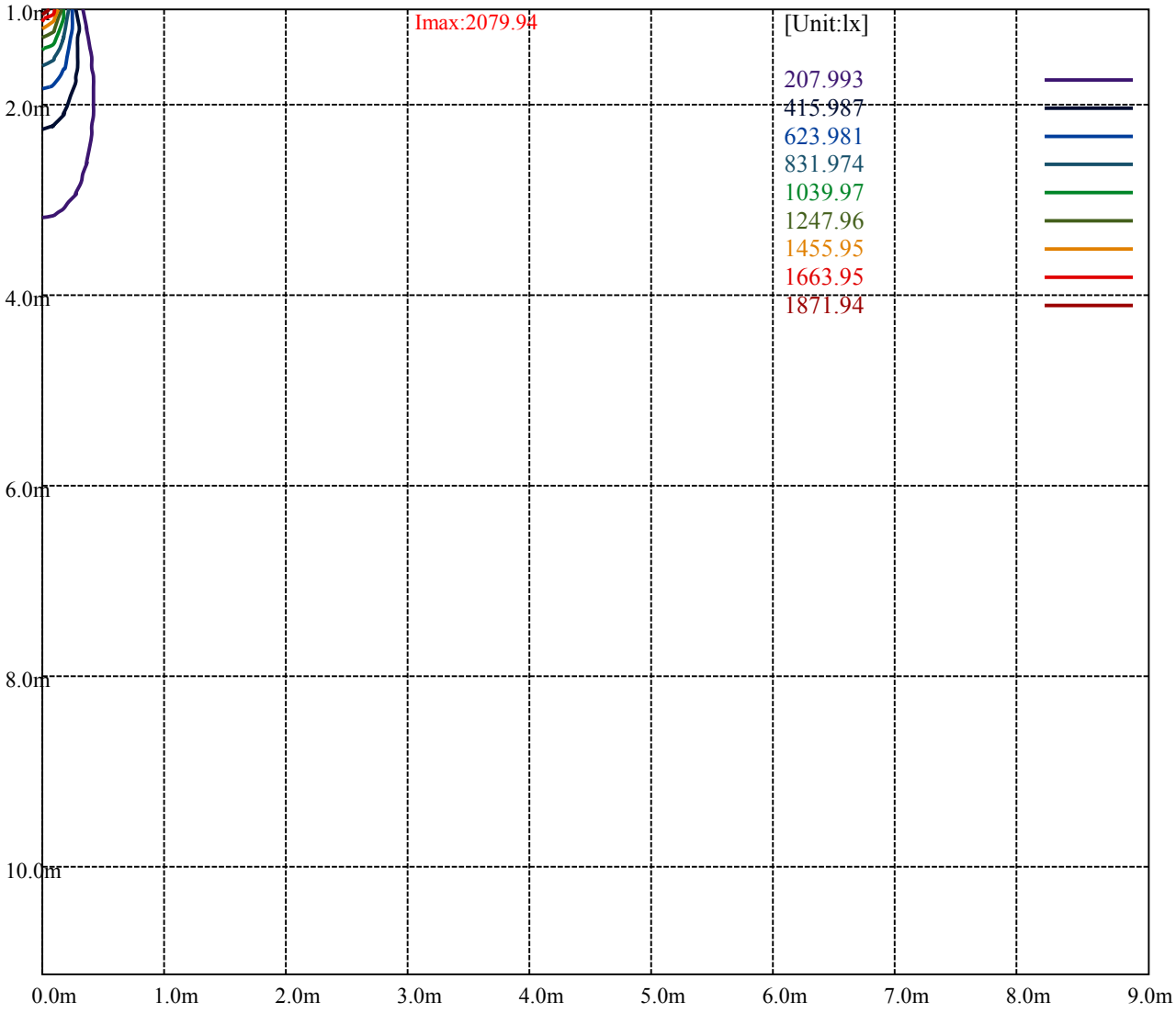
(10%Emax) 51.99825
(20%Emax) 103.9967
(30%Emax) 155.995
(40%Emax) 207.9933
(50%Emax) 259.9925
(60%Emax) 311.99
(70%Emax) 363.9875
(80%Emax) 415.9875
(90%Emax) 467.985

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/6/13
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/6/13
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

Luminance Limitting Curve(no luminous side)

Luminance Table

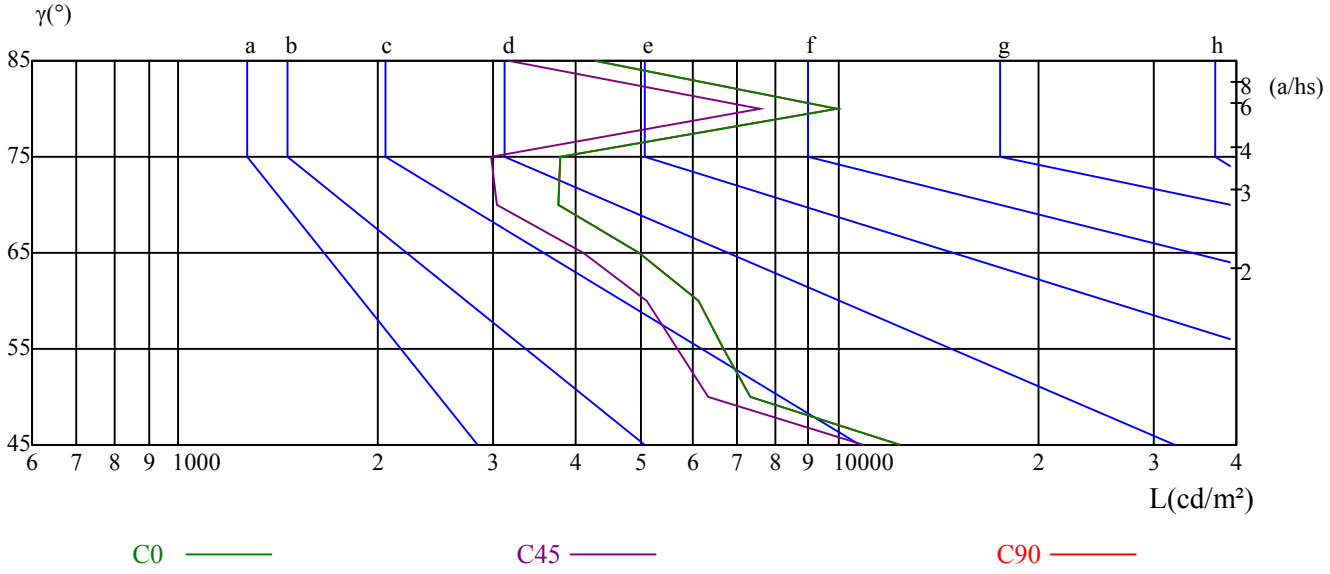
γ	45	50	55	60	65	70	75	80	85
C0	12408	7338	6672	6120	4996	3757	3780	9937	4283
C45	10903	6356	5690	5133	4115	3031	2977	7608	3166
C90	12408	7338	6672	6120	4996	3757	3780	9937	4283

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
10354	10354	10354	10833	10833	10833	28758	28758	28758

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

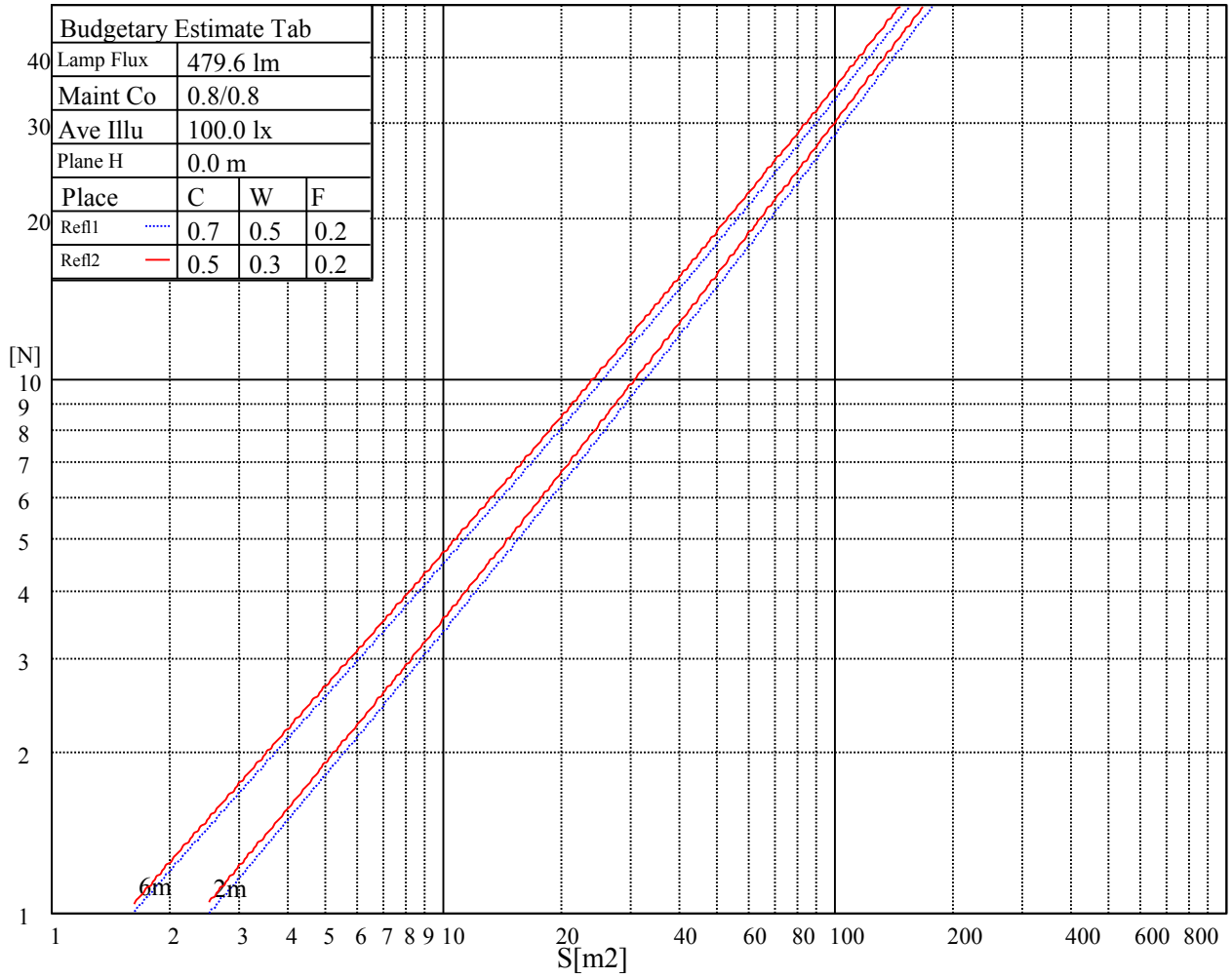
Luminance Limitting Curve



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	9.87	10.83	10.23	11.14	11.45	10.13	11.09	10.49	11.40	11.71
	3H	10.66	11.52	11.05	11.86	12.20	11.15	12.00	11.54	12.34	12.69
	4H	12.12	12.91	12.52	13.26	13.63	11.71	12.50	12.11	12.85	13.22
	6H	18.09	18.82	18.51	19.20	19.60	13.62	14.34	14.04	14.72	15.12
	8H	18.24	18.94	18.66	19.32	19.73	14.28	14.97	14.70	15.36	15.77
	12H	18.25	18.91	18.68	19.31	19.72	14.59	15.24	15.01	15.64	16.06
4H	2H	10.18	10.97	10.58	11.32	11.69	10.40	11.19	10.80	11.55	11.91
	3H	11.10	11.77	11.53	12.17	12.58	11.54	12.21	11.97	12.60	13.02
	4H	13.71	14.29	14.15	14.71	15.16	12.67	13.25	13.11	13.68	14.13
	6H	19.98	20.49	20.45	20.95	21.40	16.32	16.83	16.79	17.28	17.73
	8H	20.26	20.73	20.75	21.19	21.67	17.17	17.64	17.65	18.10	18.58
	12H	20.31	20.75	20.80	21.20	21.72	17.45	17.89	17.94	18.34	18.87
8H	4H	16.57	17.04	17.05	17.50	17.98	15.95	16.43	16.44	16.89	17.36
	6H	21.82	22.21	22.32	22.69	23.20	19.85	20.24	20.36	20.72	21.23
	8H	22.25	22.58	22.79	23.10	23.60	20.63	20.96	21.16	21.48	21.98
	12H	22.32	22.57	22.86	23.09	23.61	20.82	21.07	21.36	21.59	22.11
12H	4H	17.47	17.91	17.96	18.36	18.88	17.20	17.63	17.69	18.09	18.61
	6H	22.37	22.70	22.90	23.22	23.72	20.85	21.17	21.38	21.69	22.19
	8H	22.81	23.06	23.36	23.58	24.10	21.56	21.81	22.10	22.33	22.85
Variation with the observer position at spacings:											
S = 1.0H		0.5/-1.0					0.5/-1.0				
S = 1.5H		0.4/-1.7					0.4/-1.7				
S = 2.0H		0.3/-1.0					0.3/-1.0				
Standard tables:		BKBF					BKBF				
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

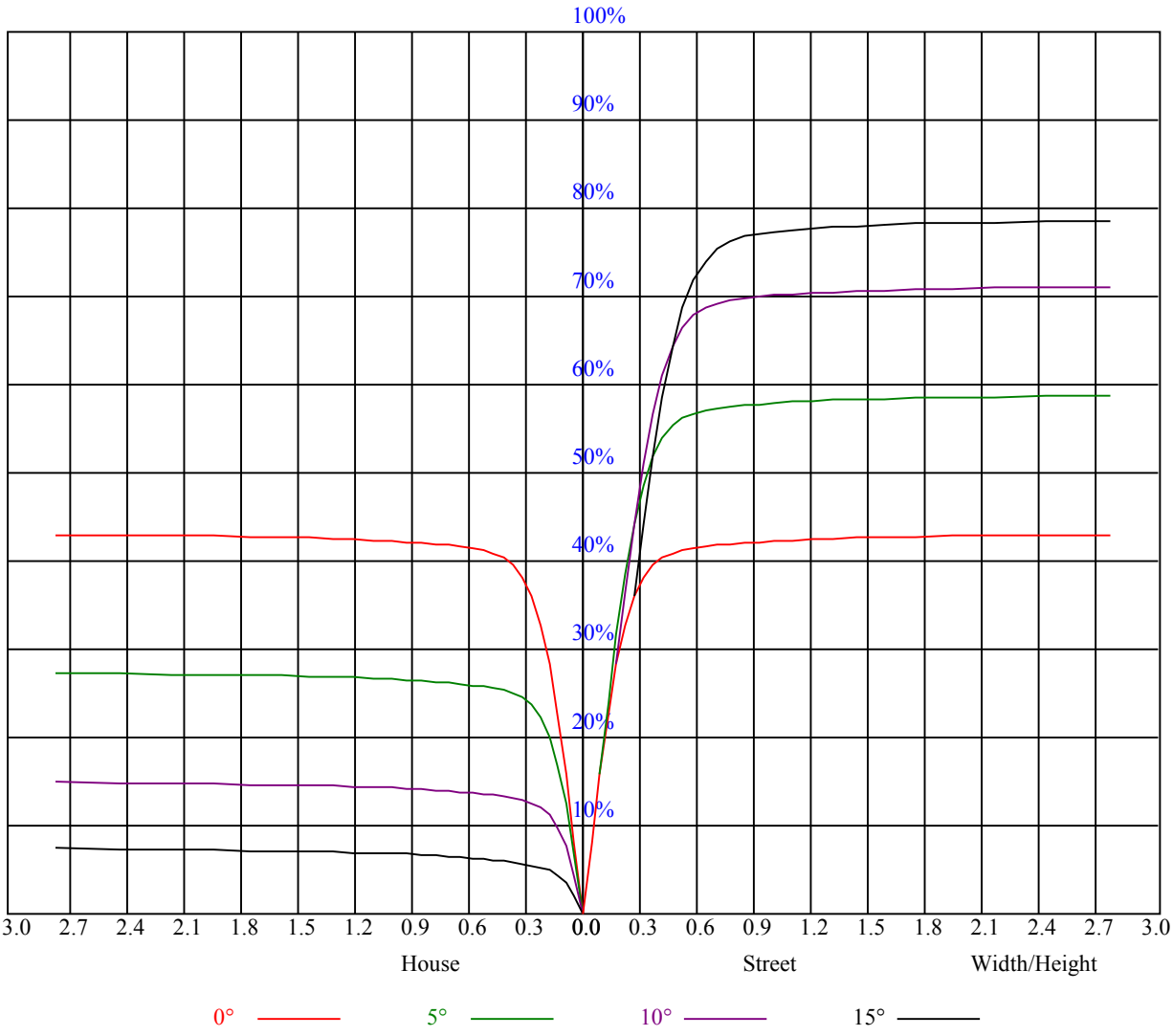
Date: 2025/6/13
Humidity(%): 60.0%

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	1.04	1.04	1.04	1.01	1.01	1.01	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.87
1	0.98	0.96	0.94	0.96	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.85	0.83
2	0.93	0.90	0.88	0.91	0.89	0.87	0.89	0.87	0.85	0.86	0.85	0.83	0.84	0.83	0.81	0.80
3	0.89	0.86	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.82	0.80	0.79	0.78
4	0.85	0.82	0.79	0.85	0.81	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.80	0.78	0.76	0.75
5	0.82	0.79	0.76	0.82	0.78	0.76	0.80	0.77	0.75	0.79	0.76	0.75	0.78	0.76	0.74	0.73
6	0.80	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.73	0.77	0.74	0.72	0.76	0.74	0.72	0.71
7	0.77	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.74	0.72	0.70	0.69
8	0.75	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.72	0.70	0.68	0.67
9	0.73	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.71	0.69	0.67	0.71	0.68	0.67	0.66
10	0.71	0.68	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.70	0.67	0.65	0.69	0.67	0.65	0.64

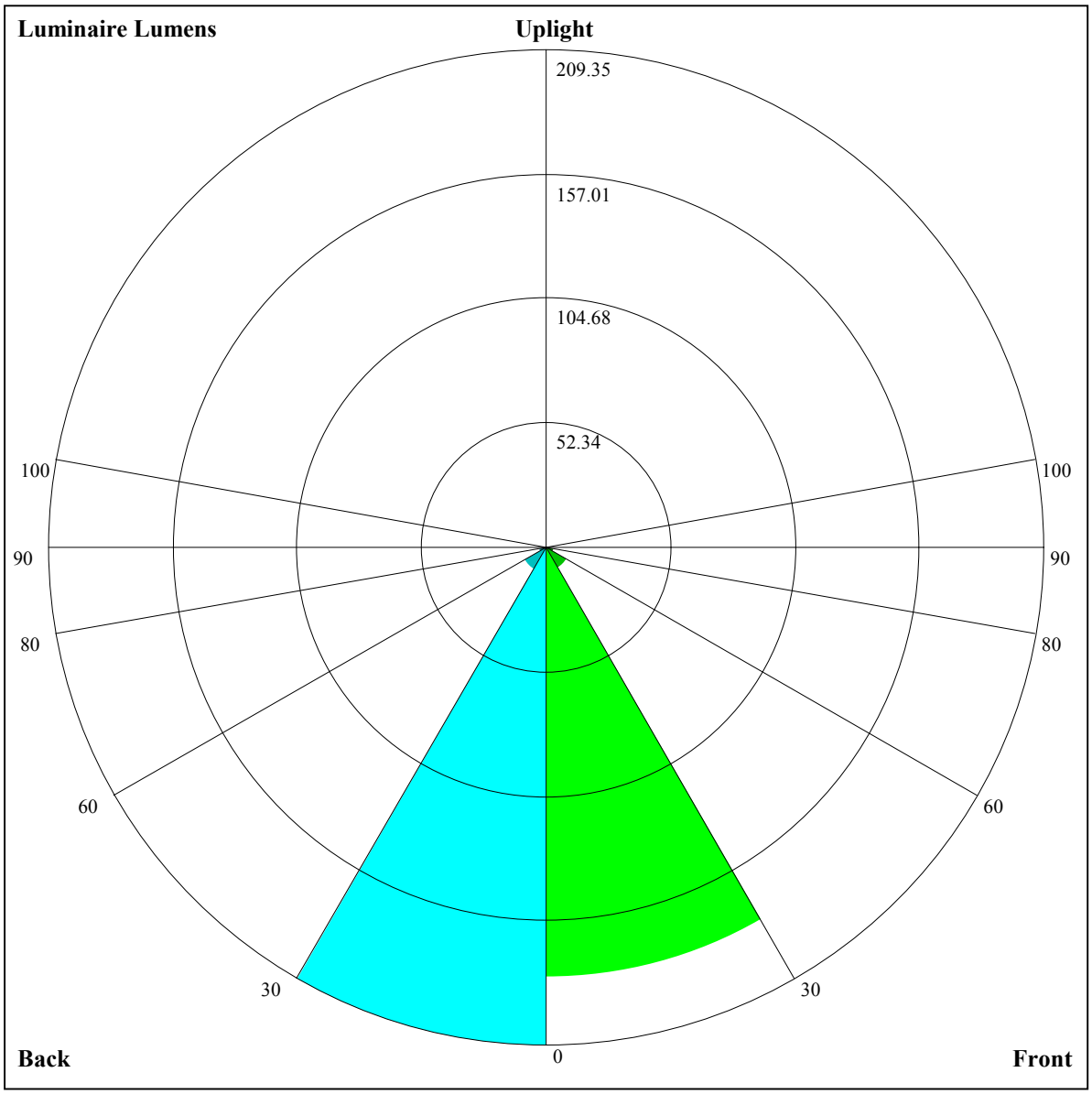
Coefficient Utilization Curve



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/6/13
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30



Luminaire Lumens:
FL=180.97,FM=10.07,FH=3.41,FVH=1.36
BL=209.35,BM=10.86,BH=3.03,BVH=1.53
UL=0,UH=0

BUG Rating:B1-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	2051.29	2003.33	1958.03	1893.02	1797.63	1687.32	1571.15	1446.98	1311.63
45.0	2073.67	2051.29	2003.33	1940.45	1855.72	1757.13	1645.76	1522.12	1384.10
90.0	2083.27	2039.04	1979.35	1907.41	1815.22	1708.10	1587.67	1456.58	1321.75
135.0	2111.51	2098.72	2067.81	2013.46	1960.70	1881.83	1783.78	1671.33	1550.90
180.0	2051.29	2067.28	2072.08	2050.23	2033.71	1984.68	1926.59	1857.32	1763.53
225.0	2073.67	2087.53	2088.59	2080.07	2050.23	2003.33	1939.38	1855.18	1753.93
270.0	2083.27	2104.05	2110.98	2113.64	2099.25	2069.41	1991.61	1949.51	1863.71
315.0	2111.51	2112.58	2096.59	2069.94	2020.92	1948.44	1856.25	1759.80	1644.16
360.0	2051.29	2003.33	1958.03	1893.02	1797.63	1687.32	1571.15	1446.98	1311.63

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	985.65	985.65	904.06	772.60	649.61	580.54	434.26	378.15	296.72
45.0	1254.61	1109.66	975.90	843.21	719.04	601.27	492.56	396.64	312.44
90.0	1030.26	1030.26	898.42	772.92	653.55	585.55	481.26	352.62	306.26
135.0	1419.27	1284.45	1146.96	1006.81	875.18	749.95	632.71	525.60	430.21
180.0	1650.55	1535.44	1403.82	1272.19	1131.51	997.75	861.33	736.09	614.06
225.0	1645.22	1524.25	1391.56	1062.87	1008.30	1008.30	842.04	741.42	618.16
270.0	1748.07	1631.37	1507.73	1371.31	1227.96	1090.47	954.05	824.56	701.99
315.0	1517.33	1381.44	1057.01	1028.23	975.79	895.70	717.87	602.44	539.08
360.0	985.65	985.65	904.06	772.60	649.61	580.54	434.26	378.15	296.72

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	228.35	173.94	130.67	97.73	74.34	57.23	45.24	36.77	30.96
45.0	281.53	281.53	142.07	105.62	80.15	62.14	49.61	40.45	34.11
90.0	235.60	179.75	134.77	101.41	76.84	60.00	47.96	39.54	33.63
135.0	343.88	269.27	269.27	211.67	133.49	102.32	78.76	61.66	49.93
180.0	508.01	407.83	322.03	306.58	306.58	160.46	122.62	93.95	72.15
225.0	509.13	411.88	324.86	253.82	193.18	146.81	112.07	85.90	66.29
270.0	587.95	486.70	393.97	314.57	286.33	286.33	151.66	114.89	88.14
315.0	439.54	354.49	279.56	216.78	165.15	125.66	95.98	74.61	58.35
360.0	228.35	173.94	130.67	97.73	74.34	57.23	45.24	36.77	30.96

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	26.70	23.55	20.73	18.49	16.73	15.24	13.96	12.79	11.94
45.0	29.58	25.69	22.86	20.36	18.33	16.52	15.03	13.86	12.63
90.0	29.15	25.63	22.59	20.09	18.17	16.31	14.76	13.54	12.74
135.0	41.25	34.75	29.58	25.85	22.54	20.20	18.17	16.52	15.08
180.0	56.54	45.19	37.14	31.01	26.43	22.97	20.14	18.07	16.36
225.0	51.42	40.55	32.77	27.23	23.18	20.20	17.85	16.04	14.55
270.0	68.26	53.13	42.79	34.59	28.72	24.51	21.32	18.92	16.95
315.0	46.15	37.04	30.32	25.47	22.06	19.45	17.32	15.56	14.23
360.0	26.70	23.55	20.73	18.49	16.73	15.24	13.96	12.79	11.94

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	10.71	9.91	9.38	8.79	8.42	8.37	9.22	11.08	12.84
45.0	11.35	10.76	9.86	8.85	8.47	7.99	8.05	8.63	9.91
90.0	11.67	10.34	9.86	9.17	8.58	8.21	8.26	9.01	10.34
135.0	13.91	12.58	11.67	10.55	9.97	9.59	9.70	10.34	11.19
180.0	14.81	13.59	12.52	11.30	10.55	9.70	8.90	8.74	9.06
225.0	13.22	12.10	11.51	10.55	9.91	9.22	8.69	8.10	7.73
270.0	15.19	13.91	12.52	11.30	10.71	9.59	8.90	8.58	7.99
315.0	13.16	11.72	10.98	10.07	9.38	8.90	9.06	9.75	10.23
360.0	10.71	9.91	9.38	8.79	8.42	8.37	9.22	11.08	12.84

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	13.32	9.43	6.66	5.76	5.44	5.33	5.44	5.17	4.90
45.0	11.46	13.00	10.44	6.08	5.22	4.85	4.58	4.69	4.48
90.0	11.46	11.14	8.26	6.82	6.13	5.81	5.65	5.44	5.12
135.0	11.72	11.46	9.97	9.27	7.41	6.34	5.86	5.60	5.22
180.0	9.49	9.59	8.53	6.50	5.81	5.38	5.12	5.01	4.90
225.0	7.35	7.03	6.82	6.55	6.39	6.39	6.50	6.98	7.46
270.0	7.62	8.05	9.81	11.94	11.78	7.35	5.92	5.54	5.44
315.0	10.13	9.17	7.46	6.71	6.23	5.76	5.54	5.38	5.17
360.0	13.32	9.43	6.66	5.76	5.44	5.33	5.44	5.17	4.90

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	4.74	4.53	4.32	4.21	4.05	4.00	3.78	3.57	3.41
45.0	4.32	4.32	4.21	4.16	4.10	4.05	3.78	3.62	3.52
90.0	4.96	4.90	4.74	4.64	4.48	4.37	4.21	4.05	3.94
135.0	5.01	4.85	4.85	4.85	4.69	4.64	4.48	4.32	4.16
180.0	4.80	4.80	4.80	4.74	4.53	4.42	4.37	4.26	4.21
225.0	7.57	7.46	7.41	7.35	7.03	6.77	6.34	5.70	4.85
270.0	5.49	5.28	4.85	4.80	4.74	4.64	4.48	4.42	4.21
315.0	5.01	5.01	4.96	4.90	4.64	4.48	4.37	4.10	4.05
360.0	4.74	4.53	4.32	4.21	4.05	4.00	3.78	3.57	3.41

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	3.25	2.98	2.77	2.56	2.40	2.18	2.03	1.92	1.87
45.0	3.36	3.20	3.04	2.82	2.56	2.40	2.24	2.13	1.97
90.0	3.78	3.57	3.36	3.09	2.88	2.66	2.50	2.40	2.34
135.0	4.00	3.78	3.57	3.41	3.25	3.04	2.72	2.56	2.45
180.0	3.94	3.78	3.68	3.41	3.30	2.98	2.77	2.50	2.29
225.0	4.21	4.00	3.73	3.57	3.36	3.20	2.98	2.82	2.66
270.0	4.05	4.00	3.78	3.57	3.36	3.20	2.93	2.61	2.34
315.0	3.89	3.68	3.52	3.20	2.93	2.72	2.45	2.18	2.03
360.0	3.25	2.98	2.77	2.56	2.40	2.18	2.03	1.92	1.87

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	1.81	1.76	1.76	3.41	6.98	10.66	11.30	8.53	6.34
45.0	1.92	1.92	1.97	2.29	5.01	9.01	13.27	16.25	16.57
90.0	2.24	2.18	2.13	2.08	2.03	2.03	2.03	2.03	1.97
135.0	2.29	2.13	2.08	2.29	2.77	2.82	2.29	1.87	1.71
180.0	2.03	1.92	1.81	1.71	1.65	1.71	1.71	1.81	4.32
225.0	2.56	2.45	2.34	2.34	2.45	2.50	2.56	4.58	7.46
270.0	2.18	1.92	1.76	1.71	1.65	1.60	1.55	1.60	1.65
315.0	1.87	1.71	1.60	1.76	1.81	1.65	1.60	1.49	1.49
360.0	1.81	1.76	1.76	3.41	6.98	10.66	11.30	8.53	6.34

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.24	1.55	1.49	1.44	1.39	1.28	1.17	1.12	1.07
45.0	15.19	12.15	8.58	4.96	2.29	1.65	1.49	1.44	1.33
90.0	1.97	1.97	1.92	1.87	1.76	2.72	2.88	2.13	1.65
135.0	1.71	1.65	1.65	1.60	1.49	1.49	1.44	1.39	1.33
180.0	7.73	9.06	7.99	3.89	1.44	1.33	1.28	1.17	1.17
225.0	10.76	11.78	10.76	7.89	4.64	2.77	1.92	1.55	1.44
270.0	1.60	1.49	1.44	1.49	1.39	1.33	1.28	1.39	2.34
315.0	1.44	1.44	1.33	1.33	1.33	1.23	1.17	1.12	1.07
360.0	2.24	1.55	1.49	1.44	1.39	1.28	1.17	1.12	1.07

Intensity data(cd)

C/γ(°)	90.0
0.0	1.12
45.0	1.23
90.0	1.55
135.0	1.33
180.0	1.07
225.0	1.33
270.0	2.34
315.0	0.96
360.0	1.12