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Nata

Client:
LumCAT: 2-2759-L
Luminaire: 92.70.411.00
Report No: 2024831-B009
Ballast type:

Test No: 2024831-C009	Voltage(V):
LampCAT: LUMILEDS LUXEON CoB 1205	Current(A):
Lamp flux(lm): 2551.0	Power (W): 21.740
Number of Lamps: 1	PF:
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2389.29, Efficiency(%): 93.66% , Luminous Efficacy(lm/W): 109.90
Central intensity(cd): 5179.246, Maximum intensity(cd): 5179.246
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=36.4
[C90/270]Total=36.4
Field angle(10%Imax): [C0/180]Total=67.0
[C90/270]Total=67.0
Maximum s/h(1/2): C0_180=0.58 C90_270=0.58
Maximum s/h(1/4): C0_180=0.63 C90_270=0.63
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 93.66%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.155%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5179.246	0.000	0	0.00%	0.00%
1.0	5168.188	4.951	4.951	0.19%	0.21%
2.0	5130.862	14.782	19.733	0.58%	0.83%
3.0	5077.163	24.414	44.147	0.96%	1.85%
4.0	4978.129	33.658	77.806	1.32%	3.26%
5.0	4871.079	42.371	120.177	1.66%	5.03%
6.0	4738.339	50.500	170.677	1.98%	7.14%
7.0	4592.004	57.913	228.59	2.27%	9.57%
8.0	4426.452	64.543	293.133	2.53%	12.27%
9.0	4250.059	70.318	363.452	2.76%	15.21%
10.0	4072.247	75.314	438.765	2.95%	18.36%
11.0	3895.696	79.616	518.382	3.12%	21.70%
12.0	3724.789	83.303	601.684	3.27%	25.18%
13.0	3535.281	86.159	687.843	3.38%	28.79%
14.0	3347.108	88.094	775.937	3.45%	32.48%
15.0	3155.228	89.267	865.204	3.50%	36.21%
16.0	2969.900	89.750	954.954	3.52%	39.97%
17.0	2793.979	89.759	1044.713	3.52%	43.72%
18.0	2616.443	89.206	1133.92	3.50%	47.46%
19.0	2467.409	88.449	1222.368	3.47%	51.16%
20.0	2284.590	86.975	1309.343	3.41%	54.80%
21.0	2119.609	84.570	1393.912	3.32%	58.34%
22.0	1998.078	82.747	1476.659	3.24%	61.80%
23.0	1840.404	80.542	1557.201	3.16%	65.17%
24.0	1724.227	77.936	1635.136	3.06%	68.44%
25.0	1597.125	75.520	1710.657	2.96%	71.60%
26.0	1433.117	71.529	1782.186	2.80%	74.59%
27.0	1329.693	67.593	1849.779	2.65%	77.42%
28.0	1185.383	63.676	1913.455	2.50%	80.08%
29.0	1049.154	58.462	1971.917	2.29%	82.53%
30.0	929.233	53.416	2025.333	2.09%	84.77%
31.0	798.457	48.079	2073.412	1.88%	86.78%
32.0	675.645	42.231	2115.643	1.66%	88.55%
33.0	564.193	36.526	2152.169	1.43%	90.08%
34.0	471.729	31.350	2183.519	1.23%	91.39%
35.0	388.043	26.701	2210.221	1.05%	92.51%
36.0	330.414	22.876	2233.097	0.90%	93.46%
37.0	273.483	19.696	2252.792	0.77%	94.29%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	226.623	16.693	2269.485	0.65%	94.99%
39.0	192.865	14.318	2283.804	0.56%	95.58%
40.0	170.447	12.671	2296.475	0.50%	96.12%
41.0	127.129	10.597	2307.071	0.42%	96.56%
42.0	103.699	8.386	2315.457	0.33%	96.91%
43.0	86.308	7.038	2322.496	0.28%	97.20%
44.0	71.682	5.963	2328.459	0.23%	97.45%
45.0	59.934	5.058	2333.517	0.20%	97.67%
46.0	50.795	4.330	2337.847	0.17%	97.85%
47.0	43.844	3.764	2341.611	0.15%	98.00%
48.0	38.338	3.322	2344.934	0.13%	98.14%
49.0	33.929	2.968	2347.901	0.12%	98.27%
50.0	30.447	2.684	2350.585	0.11%	98.38%
51.0	27.523	2.453	2353.038	0.10%	98.48%
52.0	25.125	2.259	2355.297	0.09%	98.58%
53.0	23.167	2.101	2357.398	0.08%	98.67%
54.0	21.400	1.964	2359.362	0.08%	98.75%
55.0	19.934	1.845	2361.207	0.07%	98.82%
56.0	18.614	1.742	2362.949	0.07%	98.90%
57.0	17.444	1.649	2364.598	0.06%	98.97%
58.0	16.459	1.568	2366.166	0.06%	99.03%
59.0	15.559	1.497	2367.662	0.06%	99.09%
60.0	14.915	1.440	2369.102	0.06%	99.15%
61.0	14.133	1.386	2370.488	0.05%	99.21%
62.0	13.541	1.333	2371.822	0.05%	99.27%
63.0	12.838	1.283	2373.105	0.05%	99.32%
64.0	12.122	1.225	2374.33	0.05%	99.37%
65.0	11.439	1.166	2375.496	0.05%	99.42%
66.0	10.723	1.106	2376.601	0.04%	99.47%
67.0	10.039	1.044	2377.645	0.04%	99.51%
68.0	9.389	0.984	2378.629	0.04%	99.55%
69.0	8.758	0.926	2379.555	0.04%	99.59%
70.0	8.213	0.872	2380.427	0.03%	99.63%
71.0	7.740	0.825	2381.251	0.03%	99.66%
72.0	7.306	0.782	2382.034	0.03%	99.70%
73.0	6.840	0.740	2382.773	0.03%	99.73%
74.0	6.426	0.697	2383.471	0.03%	99.76%
75.0	6.018	0.657	2384.128	0.03%	99.78%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.598	0.617	2384.745	0.02%	99.81%
77.0	5.184	0.575	2385.32	0.02%	99.83%
78.0	4.750	0.532	2385.852	0.02%	99.86%
79.0	4.350	0.489	2386.341	0.02%	99.88%
80.0	3.942	0.447	2386.788	0.02%	99.90%
81.0	3.561	0.406	2387.193	0.02%	99.91%
82.0	3.180	0.366	2387.559	0.01%	99.93%
83.0	2.819	0.326	2387.885	0.01%	99.94%
84.0	2.497	0.290	2388.175	0.01%	99.95%
85.0	2.181	0.255	2388.43	0.01%	99.96%
86.0	1.905	0.223	2388.653	0.01%	99.97%
87.0	1.636	0.194	2388.847	0.01%	99.98%
88.0	1.432	0.168	2389.015	0.01%	99.99%
89.0	1.255	0.147	2389.162	0.01%	99.99%
90.0	1.130	0.131	2389.293	0.01%	100.00%

Zonal flux distribution table

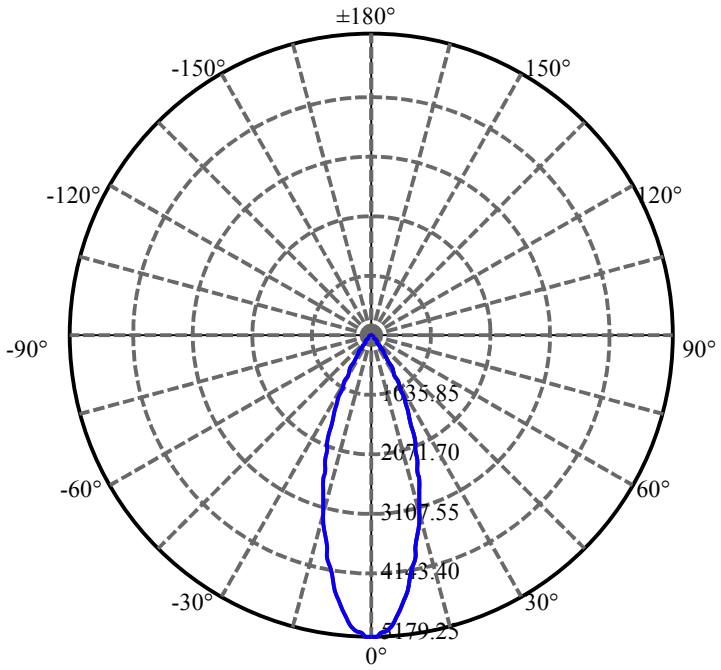
ZONAL LUMEN SUMMARY

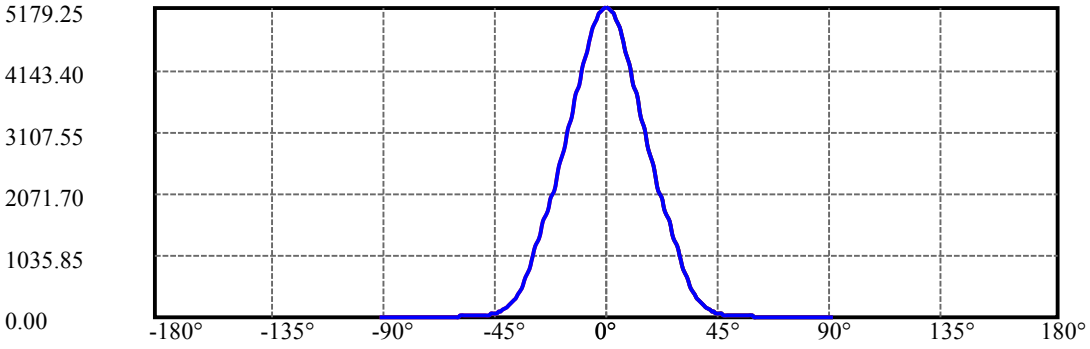
Zone	Lumens	%Lamp	%Fixt
0-30	2025.33	79.39%	84.77%
0-40	2296.47	90.02%	96.12%
0-60	2369.10	92.87%	99.15%
0-90	2389.16	93.66%	99.99%
0-120	2389.16	93.66%	99.99%
0-180	2389.29	93.66%	100.00%
60-90	20.06	0.79%	0.84%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.97	1911.44	74.93%	80.00%

ZONAL LUMEN SUMMARY

0-10	438.77
10-20	870.58
20-30	715.99
30-40	271.14
40-50	54.11
50-60	18.52
60-70	11.32
70-80	6.36
80-90	2.37
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):

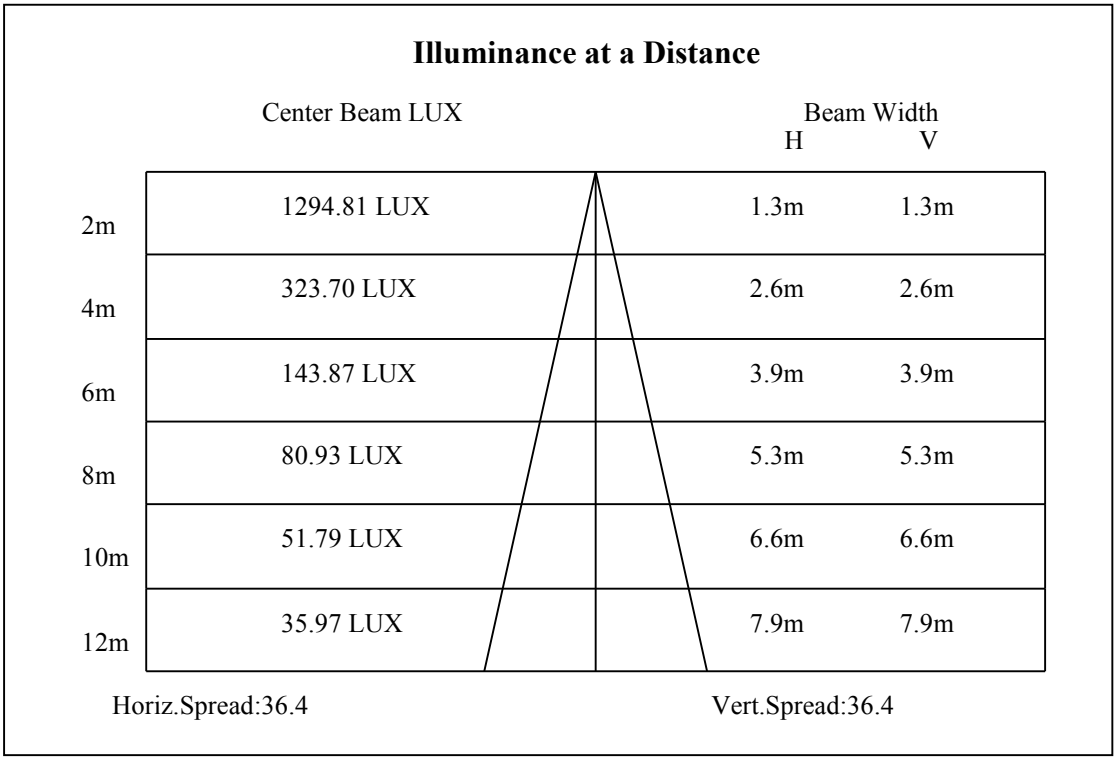
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:33.5 Right:33.5
:C90/270Left:33.5 Right:33.5

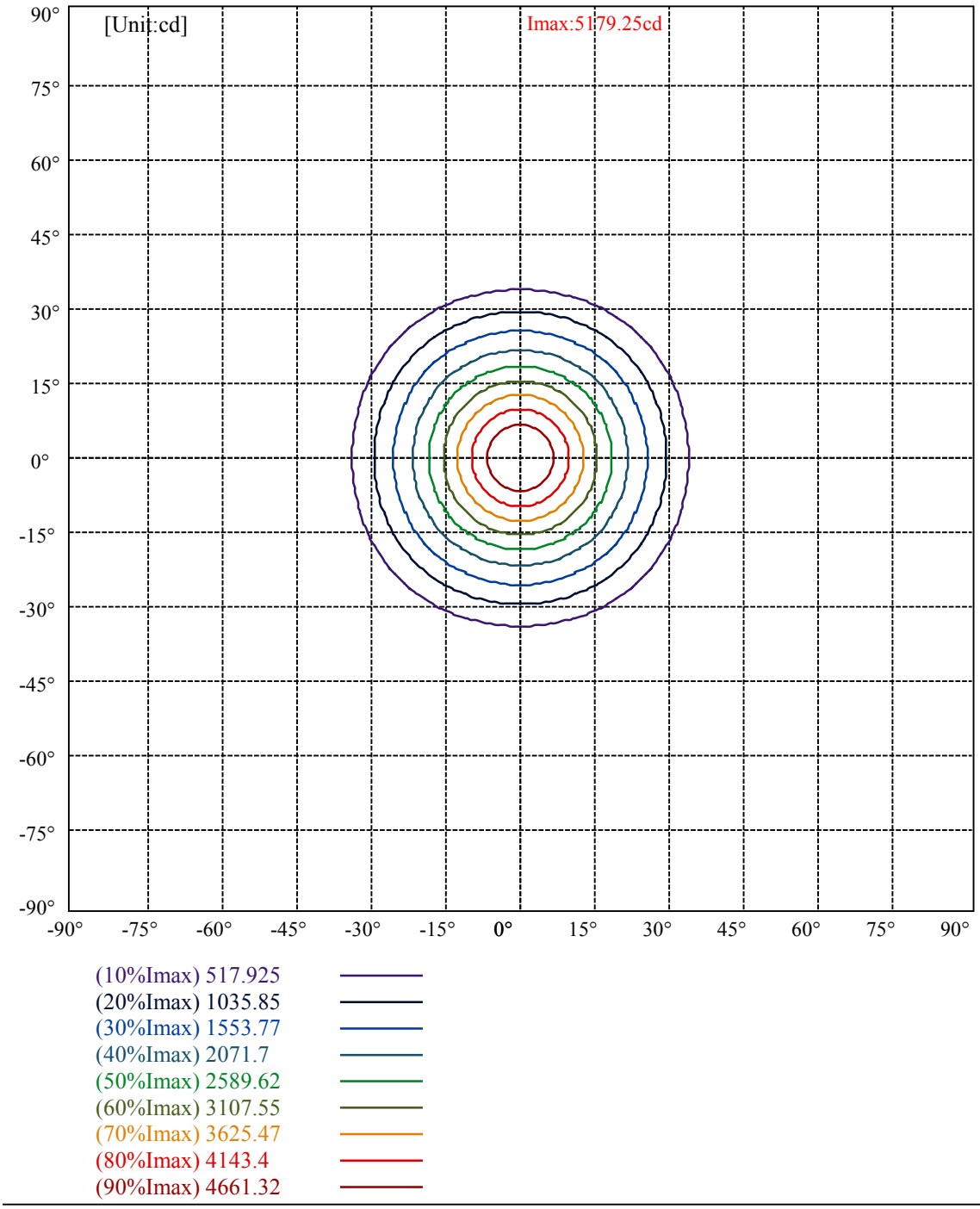
Beam Angle(50%Imax):C0/180Left:18.2 Right:18.2
:C90/270Left:18.2 Right:18.2

Lux distance Curve



Equipment: GMS 1800 Date: 2024/8/31 Operator: NT0
Temperature(°C): 25 Humidity(%): 60%

ISO-Intensity(V-H)

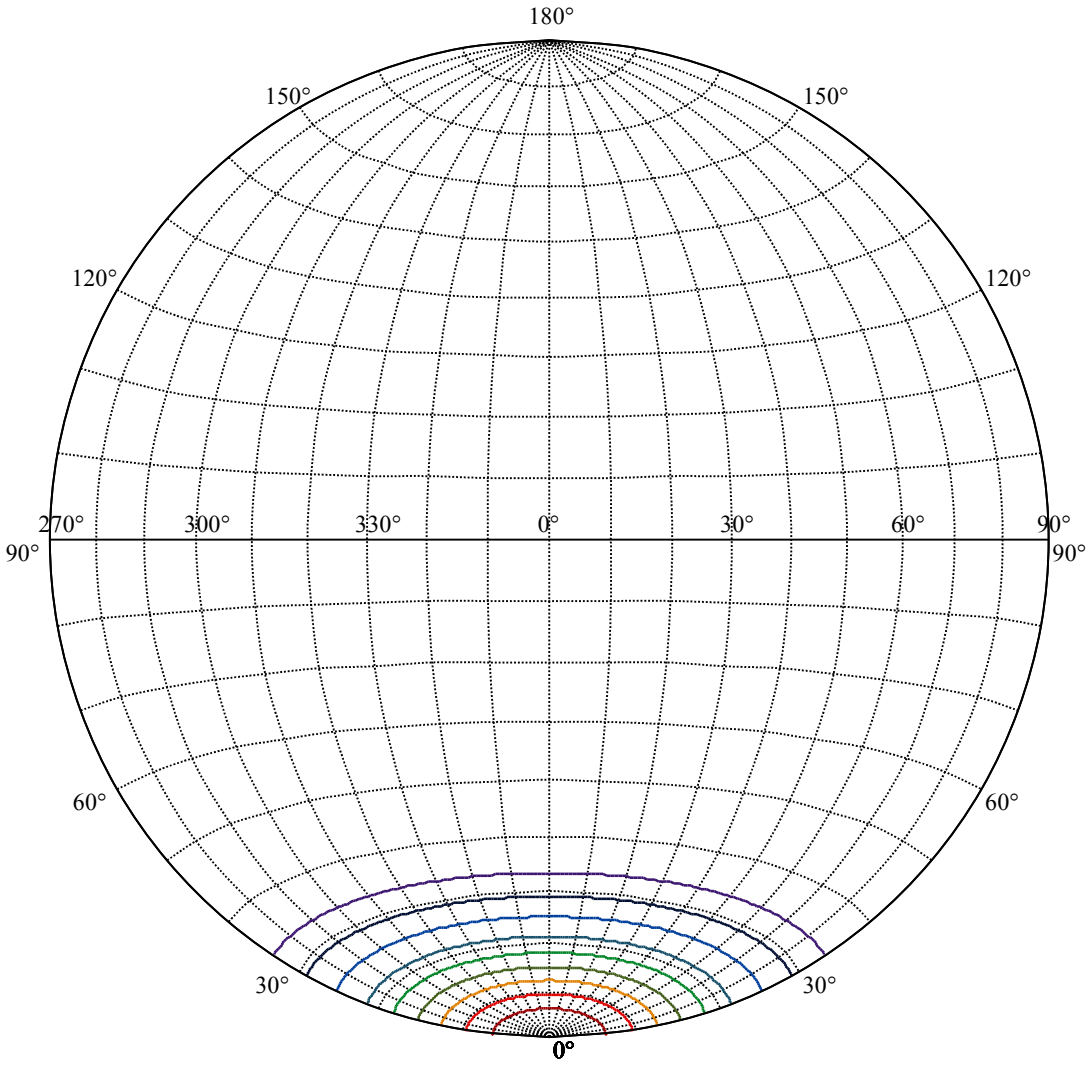


Equipment: GMS 1800
Temperature(°C): 25

Date: 2024/8/31
Humidity(%): 60%

Operator: NT0

ISO candela diagram on circular web



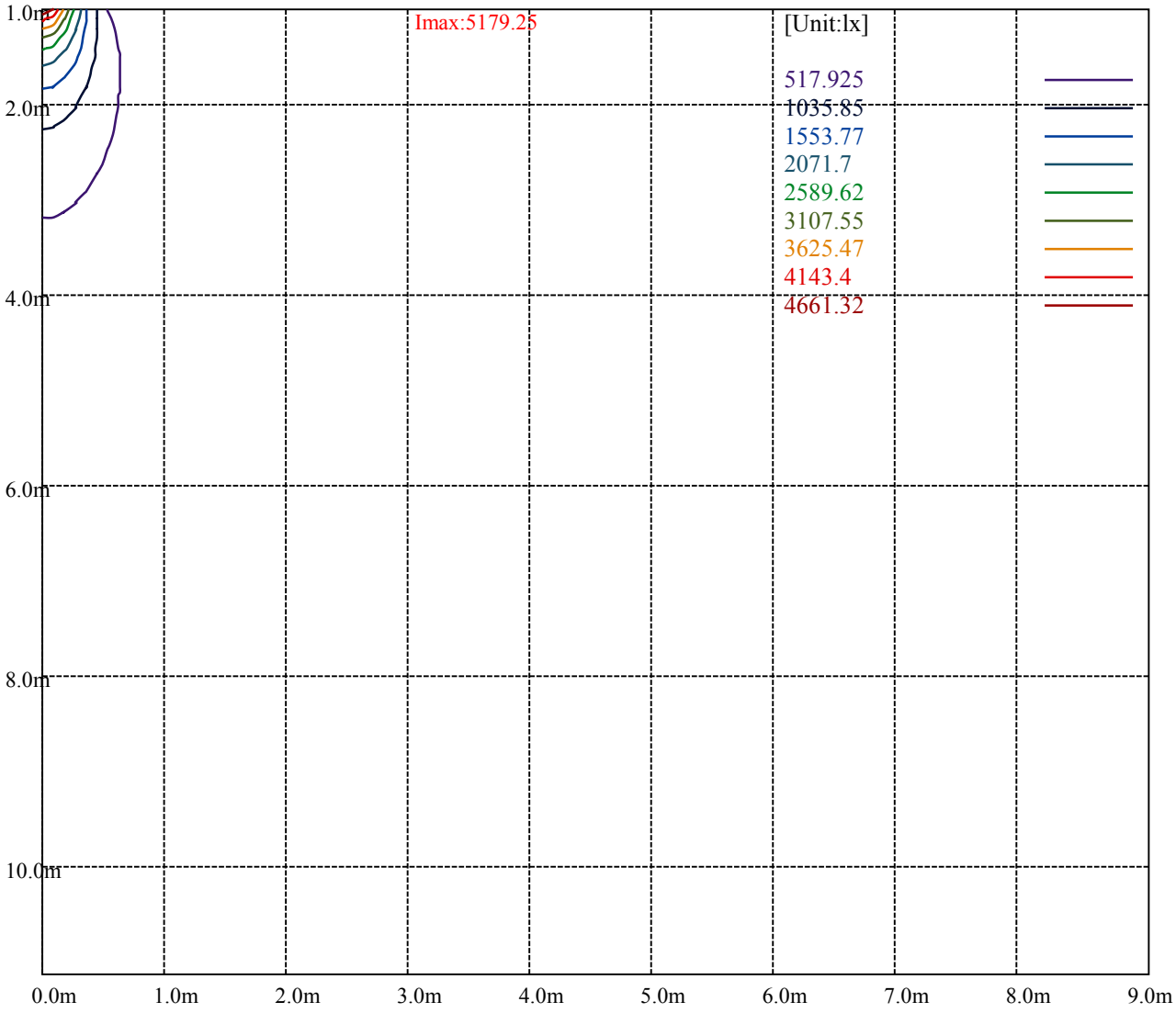
House [Unit:cd] Road

Imax:5179.25

(10%Imax) 517.925
(20%Imax) 1035.85
(30%Imax) 1553.77
(40%Imax) 2071.7
(50%Imax) 2589.62
(60%Imax) 3107.55
(70%Imax) 3625.47
(80%Imax) 4143.4
(90%Imax) 4661.32

Equipment: GMS 1800 Date: 2024/8/31 Operator: NT0
Temperature(°C): 25 Humidity(%): 60%

Space ISO Lux diagram



Equipment: GMS 1800 Date: 2024/8/31 Operator: NT0
Temperature(°C): 25 Humidity(%): 60%

Luminance Limitting Curve(no luminous side)

Luminance Table

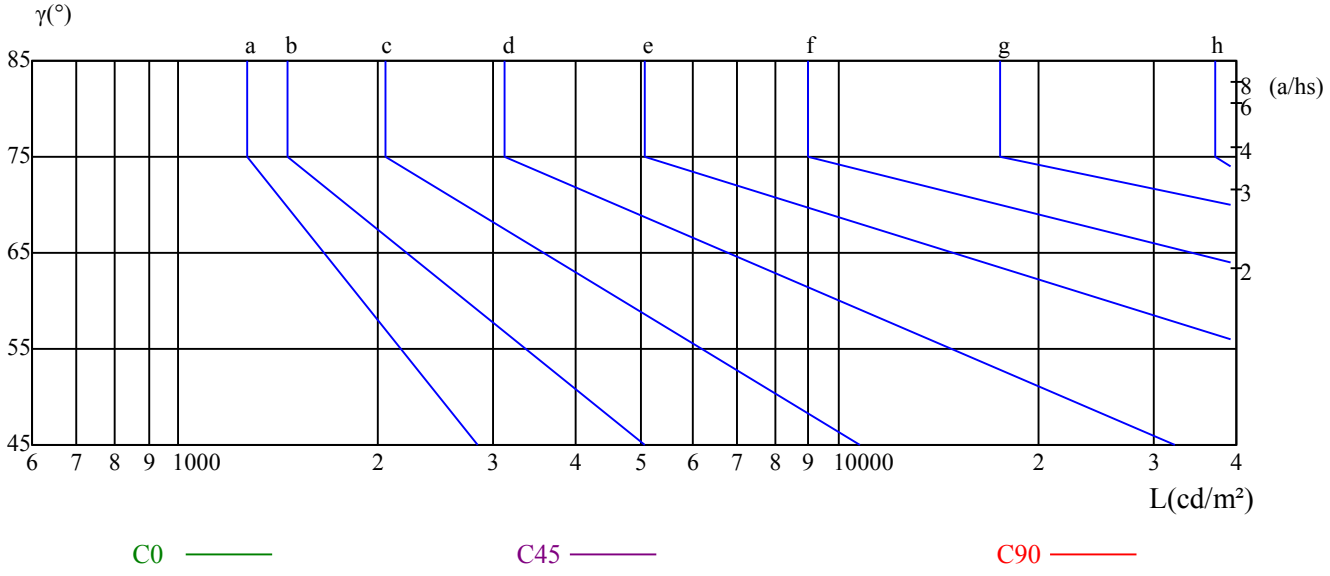
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

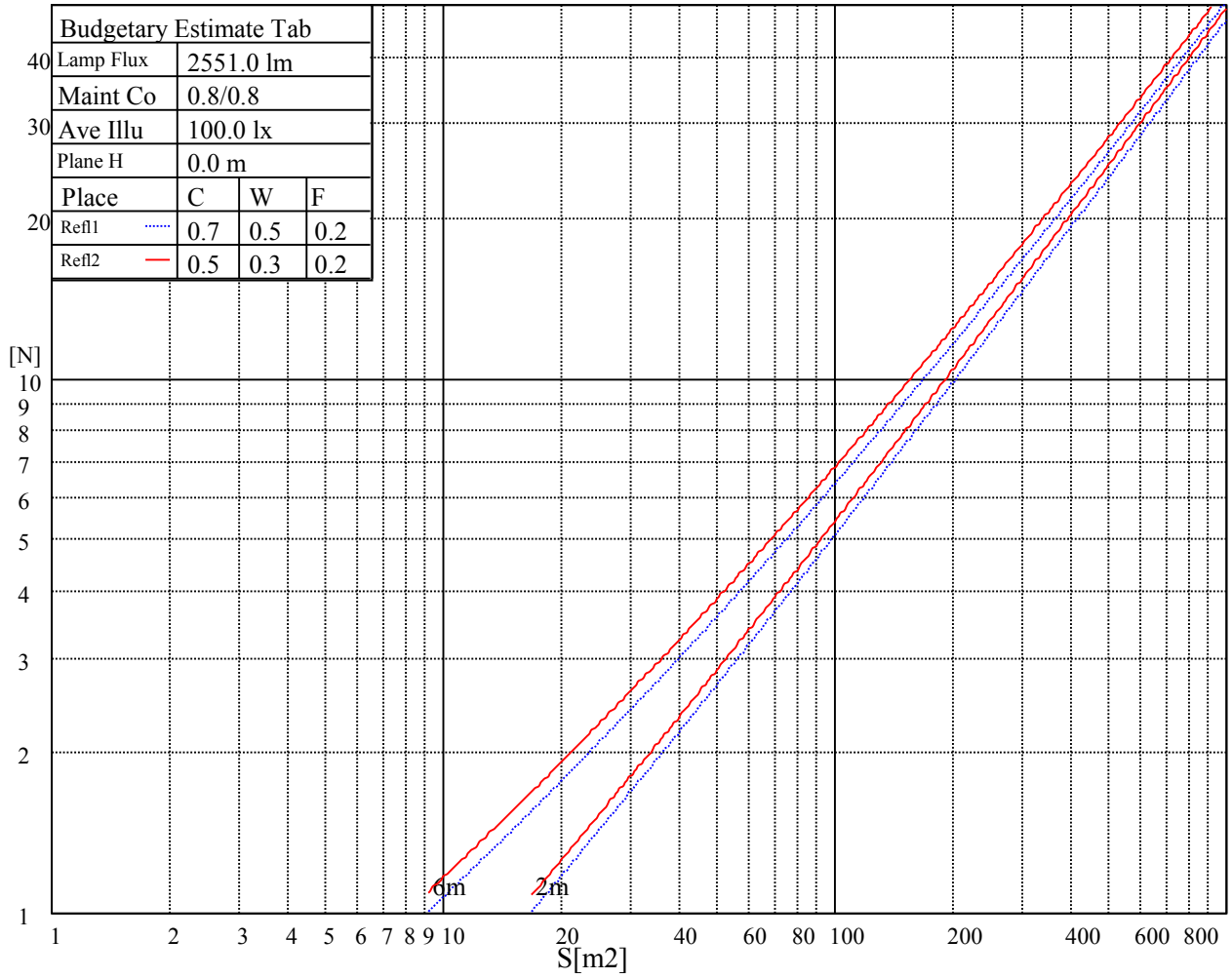
Luminance Limitting Curve



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

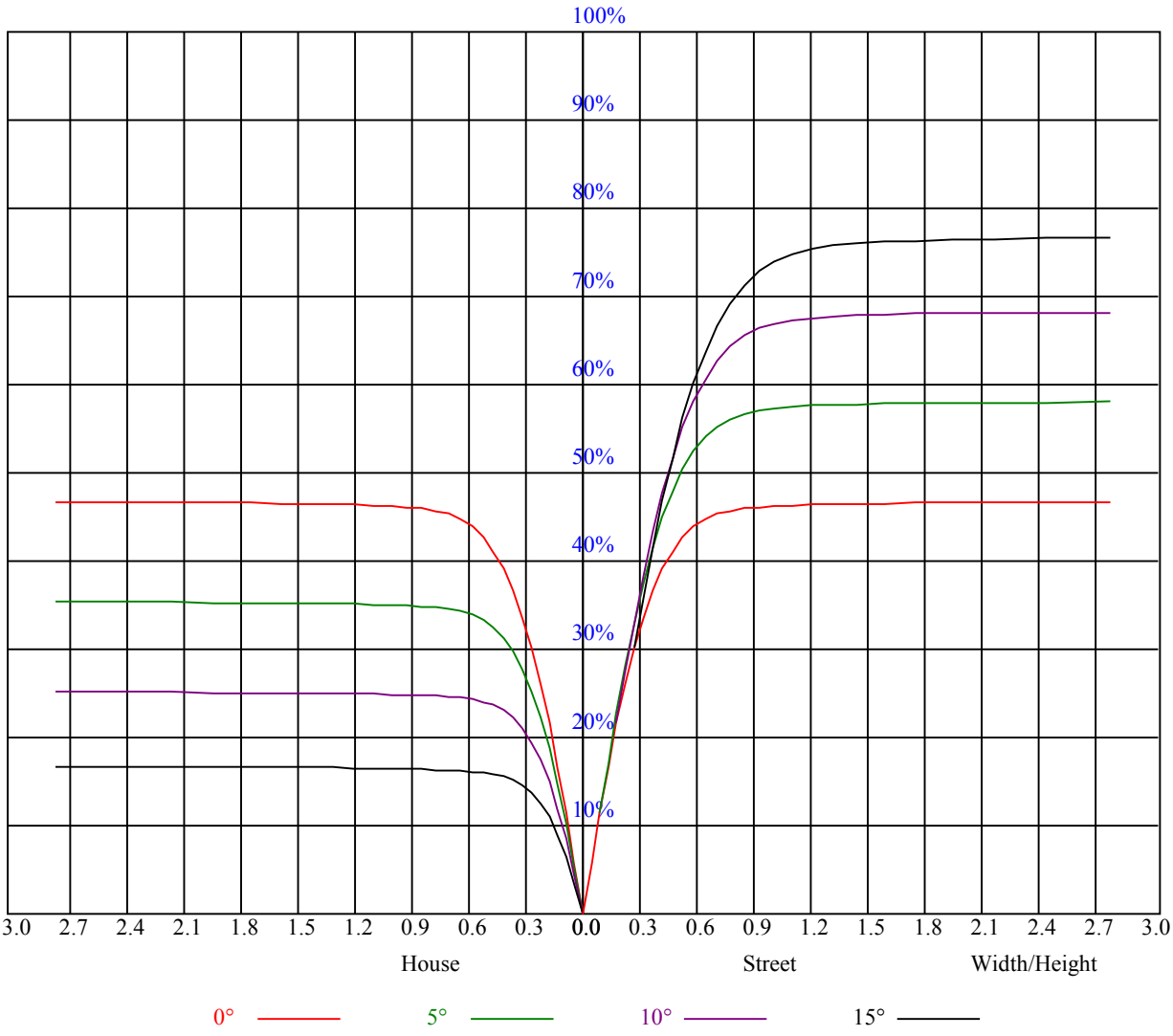


Equipment: GMS 1800 Date: 2024/8/31 Operator: NT0
Temperature(°C): 25 Humidity(%): 60%

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	1.12	1.12	1.12	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.04	1.02	1.00	1.02	1.01	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89
2	0.98	0.95	0.92	0.97	0.94	0.91	0.94	0.91	0.89	0.91	0.89	0.87	0.88	0.87	0.85	0.84
3	0.93	0.88	0.85	0.91	0.88	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.79
4	0.88	0.83	0.80	0.87	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.76	0.75
5	0.83	0.78	0.75	0.82	0.78	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.71
6	0.79	0.74	0.71	0.78	0.74	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.71	0.69	0.68
7	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	0.66	0.65
8	0.72	0.67	0.64	0.71	0.67	0.63	0.70	0.66	0.63	0.69	0.66	0.63	0.69	0.65	0.63	0.62
9	0.69	0.64	0.61	0.68	0.64	0.60	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.59
10	0.66	0.61	0.58	0.65	0.61	0.58	0.65	0.60	0.58	0.64	0.60	0.57	0.63	0.60	0.57	0.56

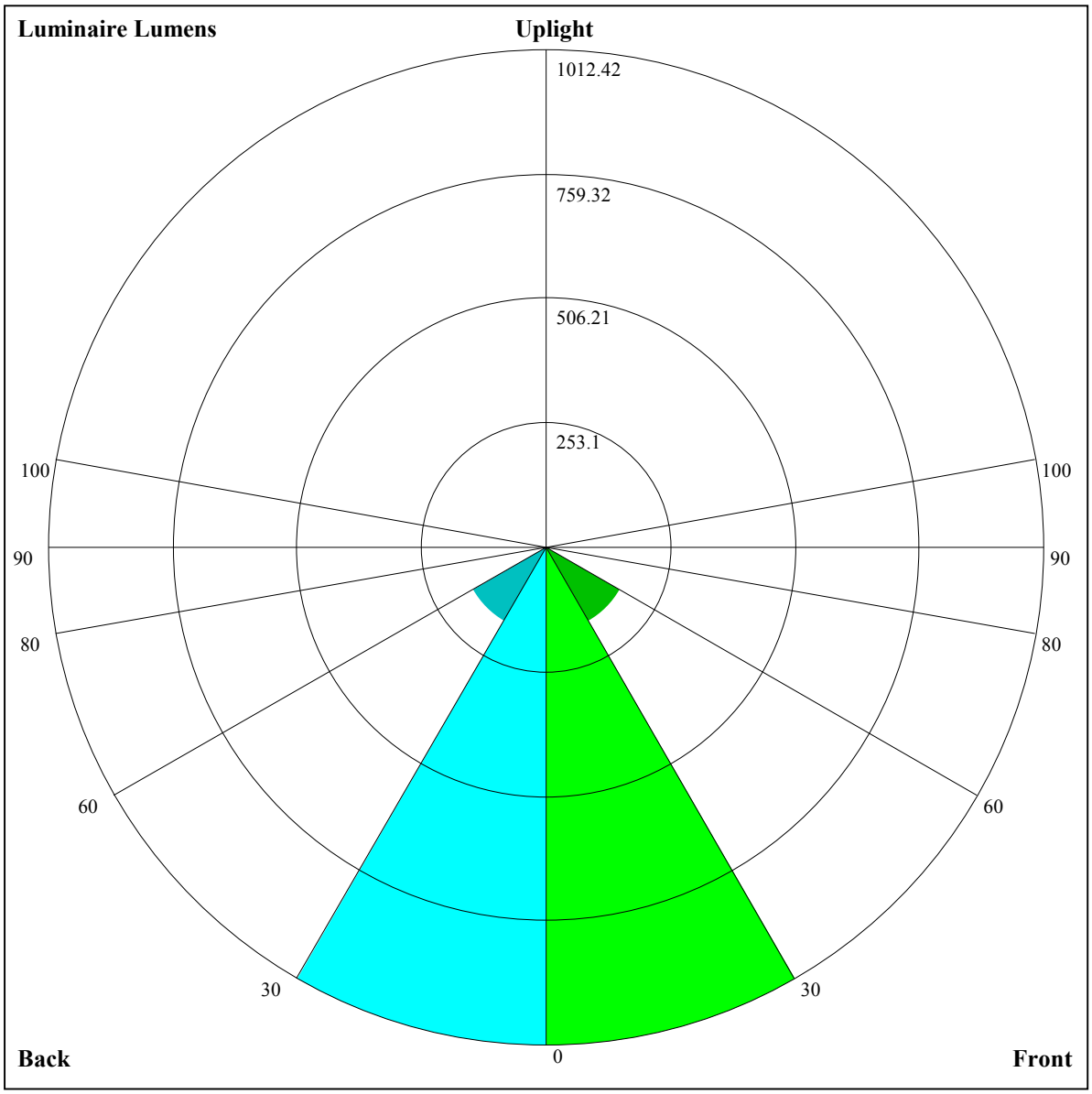
Coefficient Utilization Curve



Equipment: GMS 1800
Temperature(°C): 25

Date: 2024/8/31
Humidity(%): 60%

Operator: NT0



Luminaire Lumens:
FL=1012.42,FM=174.15,FH=8.85,FVH=1.26
BL=1012.42,BM=174.15,BH=8.85,BVH=1.26
UL=0,UH=0

BUG Rating:B3-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	5179.25	5168.19	5130.86	5077.16	4978.13	4871.08	4738.34	4592.00	4426.45
45.0	5179.25	5168.19	5130.86	5077.16	4978.13	4871.08	4738.34	4592.00	4426.45
90.0	5179.25	5168.19	5130.86	5077.16	4978.13	4871.08	4738.34	4592.00	4426.45
135.0	5179.25	5168.19	5130.86	5077.16	4978.13	4871.08	4738.34	4592.00	4426.45
180.0	5179.25	5168.19	5130.86	5077.16	4978.13	4871.08	4738.34	4592.00	4426.45
225.0	5179.25	5168.19	5130.86	5077.16	4978.13	4871.08	4738.34	4592.00	4426.45
270.0	5179.25	5168.19	5130.86	5077.16	4978.13	4871.08	4738.34	4592.00	4426.45
315.0	5179.25	5168.19	5130.86	5077.16	4978.13	4871.08	4738.34	4592.00	4426.45
360.0	5179.25	5168.19	5130.86	5077.16	4978.13	4871.08	4738.34	4592.00	4426.45

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4250.06	4072.25	3895.70	3724.79	3535.28	3347.11	3155.23	2969.90	2793.98
45.0	4250.06	4072.25	3895.70	3724.79	3535.28	3347.11	3155.23	2969.90	2793.98
90.0	4250.06	4072.25	3895.70	3724.79	3535.28	3347.11	3155.23	2969.90	2793.98
135.0	4250.06	4072.25	3895.70	3724.79	3535.28	3347.11	3155.23	2969.90	2793.98
180.0	4250.06	4072.25	3895.70	3724.79	3535.28	3347.11	3155.23	2969.90	2793.98
225.0	4250.06	4072.25	3895.70	3724.79	3535.28	3347.11	3155.23	2969.90	2793.98
270.0	4250.06	4072.25	3895.70	3724.79	3535.28	3347.11	3155.23	2969.90	2793.98
315.0	4250.06	4072.25	3895.70	3724.79	3535.28	3347.11	3155.23	2969.90	2793.98
360.0	4250.06	4072.25	3895.70	3724.79	3535.28	3347.11	3155.23	2969.90	2793.98

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2616.44	2467.41	2284.59	2119.61	1998.08	1840.40	1724.23	1597.13	1433.12
45.0	2616.44	2467.41	2284.59	2119.61	1998.08	1840.40	1724.23	1597.13	1433.12
90.0	2616.44	2467.41	2284.59	2119.61	1998.08	1840.40	1724.23	1597.13	1433.12
135.0	2616.44	2467.41	2284.59	2119.61	1998.08	1840.40	1724.23	1597.13	1433.12
180.0	2616.44	2467.41	2284.59	2119.61	1998.08	1840.40	1724.23	1597.13	1433.12
225.0	2616.44	2467.41	2284.59	2119.61	1998.08	1840.40	1724.23	1597.13	1433.12
270.0	2616.44	2467.41	2284.59	2119.61	1998.08	1840.40	1724.23	1597.13	1433.12
315.0	2616.44	2467.41	2284.59	2119.61	1998.08	1840.40	1724.23	1597.13	1433.12
360.0	2616.44	2467.41	2284.59	2119.61	1998.08	1840.40	1724.23	1597.13	1433.12

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1329.69	1185.38	1049.15	929.23	798.46	675.65	564.19	471.73	388.04
45.0	1329.69	1185.38	1049.15	929.23	798.46	675.65	564.19	471.73	388.04
90.0	1329.69	1185.38	1049.15	929.23	798.46	675.65	564.19	471.73	388.04
135.0	1329.69	1185.38	1049.15	929.23	798.46	675.65	564.19	471.73	388.04
180.0	1329.69	1185.38	1049.15	929.23	798.46	675.65	564.19	471.73	388.04
225.0	1329.69	1185.38	1049.15	929.23	798.46	675.65	564.19	471.73	388.04
270.0	1329.69	1185.38	1049.15	929.23	798.46	675.65	564.19	471.73	388.04
315.0	1329.69	1185.38	1049.15	929.23	798.46	675.65	564.19	471.73	388.04
360.0	1329.69	1185.38	1049.15	929.23	798.46	675.65	564.19	471.73	388.04

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	330.41	273.48	226.62	192.87	170.45	127.13	103.70	86.31	71.68
45.0	330.41	273.48	226.62	192.87	170.45	127.13	103.70	86.31	71.68
90.0	330.41	273.48	226.62	192.87	170.45	127.13	103.70	86.31	71.68
135.0	330.41	273.48	226.62	192.87	170.45	127.13	103.70	86.31	71.68
180.0	330.41	273.48	226.62	192.87	170.45	127.13	103.70	86.31	71.68
225.0	330.41	273.48	226.62	192.87	170.45	127.13	103.70	86.31	71.68
270.0	330.41	273.48	226.62	192.87	170.45	127.13	103.70	86.31	71.68
315.0	330.41	273.48	226.62	192.87	170.45	127.13	103.70	86.31	71.68
360.0	330.41	273.48	226.62	192.87	170.45	127.13	103.70	86.31	71.68

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	59.93	50.80	43.84	38.34	33.93	30.45	27.52	25.13	23.17
45.0	59.93	50.80	43.84	38.34	33.93	30.45	27.52	25.13	23.17
90.0	59.93	50.80	43.84	38.34	33.93	30.45	27.52	25.13	23.17
135.0	59.93	50.80	43.84	38.34	33.93	30.45	27.52	25.13	23.17
180.0	59.93	50.80	43.84	38.34	33.93	30.45	27.52	25.13	23.17
225.0	59.93	50.80	43.84	38.34	33.93	30.45	27.52	25.13	23.17
270.0	59.93	50.80	43.84	38.34	33.93	30.45	27.52	25.13	23.17
315.0	59.93	50.80	43.84	38.34	33.93	30.45	27.52	25.13	23.17
360.0	59.93	50.80	43.84	38.34	33.93	30.45	27.52	25.13	23.17

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	21.40	19.93	18.61	17.44	16.46	15.56	14.92	14.13	13.54
45.0	21.40	19.93	18.61	17.44	16.46	15.56	14.92	14.13	13.54
90.0	21.40	19.93	18.61	17.44	16.46	15.56	14.92	14.13	13.54
135.0	21.40	19.93	18.61	17.44	16.46	15.56	14.92	14.13	13.54
180.0	21.40	19.93	18.61	17.44	16.46	15.56	14.92	14.13	13.54
225.0	21.40	19.93	18.61	17.44	16.46	15.56	14.92	14.13	13.54
270.0	21.40	19.93	18.61	17.44	16.46	15.56	14.92	14.13	13.54
315.0	21.40	19.93	18.61	17.44	16.46	15.56	14.92	14.13	13.54
360.0	21.40	19.93	18.61	17.44	16.46	15.56	14.92	14.13	13.54

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	12.84	12.12	11.44	10.72	10.04	9.39	8.76	8.21	7.74
45.0	12.84	12.12	11.44	10.72	10.04	9.39	8.76	8.21	7.74
90.0	12.84	12.12	11.44	10.72	10.04	9.39	8.76	8.21	7.74
135.0	12.84	12.12	11.44	10.72	10.04	9.39	8.76	8.21	7.74
180.0	12.84	12.12	11.44	10.72	10.04	9.39	8.76	8.21	7.74
225.0	12.84	12.12	11.44	10.72	10.04	9.39	8.76	8.21	7.74
270.0	12.84	12.12	11.44	10.72	10.04	9.39	8.76	8.21	7.74
315.0	12.84	12.12	11.44	10.72	10.04	9.39	8.76	8.21	7.74
360.0	12.84	12.12	11.44	10.72	10.04	9.39	8.76	8.21	7.74

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.31	6.84	6.43	6.02	5.60	5.18	4.75	4.35	3.94
45.0	7.31	6.84	6.43	6.02	5.60	5.18	4.75	4.35	3.94
90.0	7.31	6.84	6.43	6.02	5.60	5.18	4.75	4.35	3.94
135.0	7.31	6.84	6.43	6.02	5.60	5.18	4.75	4.35	3.94
180.0	7.31	6.84	6.43	6.02	5.60	5.18	4.75	4.35	3.94
225.0	7.31	6.84	6.43	6.02	5.60	5.18	4.75	4.35	3.94
270.0	7.31	6.84	6.43	6.02	5.60	5.18	4.75	4.35	3.94
315.0	7.31	6.84	6.43	6.02	5.60	5.18	4.75	4.35	3.94
360.0	7.31	6.84	6.43	6.02	5.60	5.18	4.75	4.35	3.94

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.56	3.18	2.82	2.50	2.18	1.91	1.64	1.43	1.26
45.0	3.56	3.18	2.82	2.50	2.18	1.91	1.64	1.43	1.26
90.0	3.56	3.18	2.82	2.50	2.18	1.91	1.64	1.43	1.26
135.0	3.56	3.18	2.82	2.50	2.18	1.91	1.64	1.43	1.26
180.0	3.56	3.18	2.82	2.50	2.18	1.91	1.64	1.43	1.26
225.0	3.56	3.18	2.82	2.50	2.18	1.91	1.64	1.43	1.26
270.0	3.56	3.18	2.82	2.50	2.18	1.91	1.64	1.43	1.26
315.0	3.56	3.18	2.82	2.50	2.18	1.91	1.64	1.43	1.26
360.0	3.56	3.18	2.82	2.50	2.18	1.91	1.64	1.43	1.26

Intensity data(cd)

C/γ(°)	90.0
0.0	1.13
45.0	1.13
90.0	1.13
135.0	1.13
180.0	1.13
225.0	1.13
270.0	1.13
315.0	1.13
360.0	1.13