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Nata

Client:
LumCAT: 2-2755-L
Luminaire: 92.70.411.00
Report No: 2024831-B007
Ballast type: AC

Test No: 2024831-C007	Voltage(V): 36.370
LampCAT: LUMILEDS LUXEON CoB 1205	Current(A): 0.603
Lamp flux(lm): 2551.0	Power (W): 21.930
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2389.70, Efficiency(%): 93.68% , Luminous Efficacy(lm/W): 108.97
Central intensity(cd): 9304.220, Maximum intensity(cd): 9304.220
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=54.0
[C90/270]Total=54.0
Maximum s/h(1/2): C0_180=0.40 C90_270=0.40
Maximum s/h(1/4): C0_180=0.42 C90_270=0.42
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 93.68%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.050%

Equipment: GMS 1800	Date: 2024/8/31	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.25

Nata 2-2755-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9304.220	0.000	0	0.00%	0.00%
1.0	9236.664	8.871	8.871	0.35%	0.37%
2.0	9093.050	26.309	35.18	1.03%	1.47%
3.0	8870.257	42.962	78.142	1.68%	3.27%
4.0	8566.051	58.365	136.507	2.29%	5.71%
5.0	8202.004	72.135	208.643	2.83%	8.73%
6.0	7758.646	83.877	292.52	3.29%	12.24%
7.0	7237.074	93.078	385.598	3.65%	16.14%
8.0	6740.149	100.032	485.63	3.92%	20.32%
9.0	6201.521	104.885	590.516	4.11%	24.71%
10.0	5654.937	107.297	697.812	4.21%	29.20%
11.0	5107.163	107.535	805.348	4.22%	33.70%
12.0	4566.932	105.752	911.099	4.15%	38.13%
13.0	4062.142	102.405	1013.505	4.01%	42.41%
14.0	3611.339	98.220	1111.725	3.85%	46.52%
15.0	3152.929	92.863	1204.588	3.64%	50.41%
16.0	2762.350	86.675	1291.263	3.40%	54.03%
17.0	2439.353	81.004	1372.267	3.18%	57.42%
18.0	2158.052	75.801	1448.069	2.97%	60.60%
19.0	1916.173	70.883	1518.952	2.78%	63.56%
20.0	1710.357	66.376	1585.327	2.60%	66.34%
21.0	1553.380	62.670	1647.998	2.46%	68.96%
22.0	1398.688	59.323	1707.321	2.33%	71.45%
23.0	1295.127	56.524	1763.844	2.22%	73.81%
24.0	1189.798	54.329	1818.174	2.13%	76.08%
25.0	1091.053	51.862	1870.035	2.03%	78.25%
26.0	1013.280	49.673	1919.708	1.95%	80.33%
27.0	930.251	47.549	1967.257	1.86%	82.32%
28.0	837.432	44.754	2012.011	1.75%	84.20%
29.0	747.721	41.472	2053.483	1.63%	85.93%
30.0	656.466	37.913	2091.396	1.49%	87.52%
31.0	568.647	34.093	2125.489	1.34%	88.94%
32.0	492.143	30.390	2155.88	1.19%	90.22%
33.0	414.041	26.697	2182.576	1.05%	91.33%
34.0	352.937	23.211	2205.787	0.91%	92.30%
35.0	303.029	20.372	2226.159	0.80%	93.16%
36.0	258.272	17.872	2244.031	0.70%	93.90%
37.0	214.902	15.432	2259.463	0.60%	94.55%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	186.781	13.408	2272.871	0.53%	95.11%
39.0	163.693	11.963	2284.834	0.47%	95.61%
40.0	127.464	10.155	2294.988	0.40%	96.04%
41.0	109.133	8.425	2303.413	0.33%	96.39%
42.0	91.229	7.279	2310.693	0.29%	96.69%
43.0	77.549	6.252	2316.945	0.25%	96.96%
44.0	66.071	5.421	2322.365	0.21%	97.18%
45.0	56.873	4.725	2327.09	0.19%	97.38%
46.0	49.612	4.164	2331.255	0.16%	97.55%
47.0	44.093	3.727	2334.982	0.15%	97.71%
48.0	39.856	3.394	2338.375	0.13%	97.85%
49.0	36.531	3.137	2341.512	0.12%	97.98%
50.0	33.817	2.933	2344.445	0.11%	98.11%
51.0	31.439	2.761	2347.206	0.11%	98.22%
52.0	29.514	2.616	2349.822	0.10%	98.33%
53.0	27.930	2.499	2352.32	0.10%	98.44%
54.0	26.242	2.388	2354.708	0.09%	98.54%
55.0	24.862	2.281	2356.989	0.09%	98.63%
56.0	23.502	2.185	2359.175	0.09%	98.72%
57.0	22.372	2.097	2361.272	0.08%	98.81%
58.0	21.032	2.007	2363.279	0.08%	98.89%
59.0	19.803	1.909	2365.188	0.07%	98.97%
60.0	18.620	1.815	2367.004	0.07%	99.05%
61.0	17.707	1.734	2368.737	0.07%	99.12%
62.0	16.636	1.655	2370.392	0.06%	99.19%
63.0	15.696	1.572	2371.965	0.06%	99.26%
64.0	14.553	1.484	2373.449	0.06%	99.32%
65.0	13.581	1.392	2374.841	0.05%	99.38%
66.0	12.687	1.311	2376.152	0.05%	99.43%
67.0	11.840	1.233	2377.385	0.05%	99.48%
68.0	10.900	1.152	2378.537	0.05%	99.53%
69.0	10.007	1.067	2379.604	0.04%	99.58%
70.0	9.290	0.991	2380.595	0.04%	99.62%
71.0	8.581	0.924	2381.518	0.04%	99.66%
72.0	7.898	0.857	2382.375	0.03%	99.69%
73.0	7.208	0.790	2383.165	0.03%	99.73%
74.0	6.643	0.728	2383.893	0.03%	99.76%
75.0	6.091	0.673	2384.566	0.03%	99.79%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.578	0.619	2385.185	0.02%	99.81%
77.0	5.125	0.571	2385.756	0.02%	99.84%
78.0	4.704	0.526	2386.282	0.02%	99.86%
79.0	4.238	0.480	2386.763	0.02%	99.88%
80.0	3.850	0.436	2387.199	0.02%	99.90%
81.0	3.489	0.397	2387.596	0.02%	99.91%
82.0	3.147	0.360	2387.955	0.01%	99.93%
83.0	2.779	0.322	2388.278	0.01%	99.94%
84.0	2.490	0.287	2388.565	0.01%	99.95%
85.0	2.201	0.256	2388.821	0.01%	99.96%
86.0	1.912	0.225	2389.046	0.01%	99.97%
87.0	1.689	0.197	2389.243	0.01%	99.98%
88.0	1.445	0.172	2389.414	0.01%	99.99%
89.0	1.281	0.149	2389.564	0.01%	99.99%
90.0	1.143	0.133	2389.697	0.01%	100.00%

Zonal flux distribution table

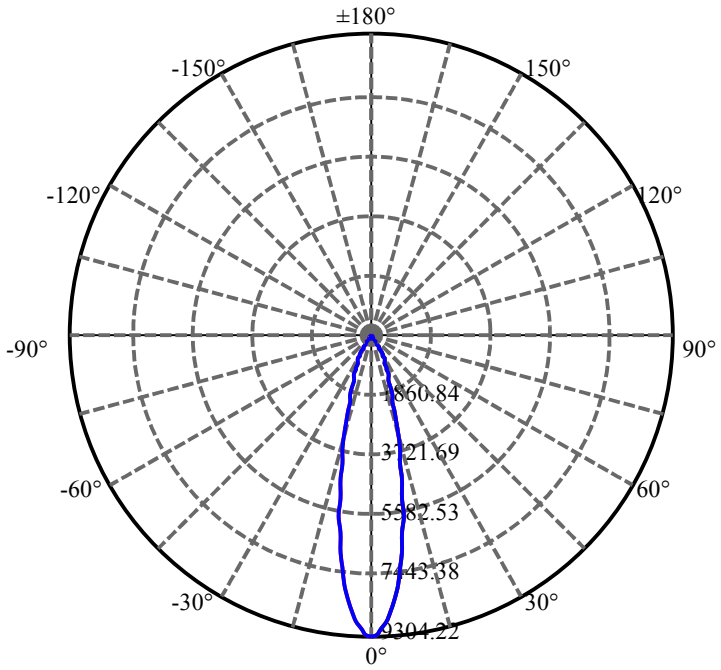
ZONAL LUMEN SUMMARY

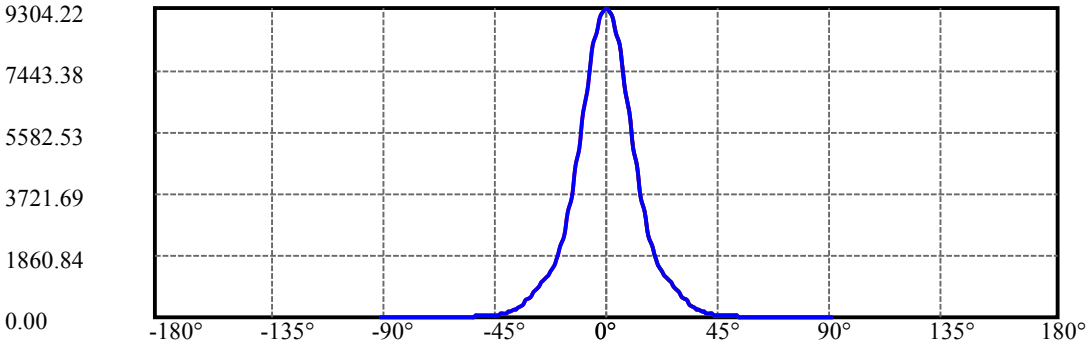
Zone	Lumens	%Lamp	%Fixt
0-30	2091.40	81.98%	87.52%
0-40	2294.99	89.96%	96.04%
0-60	2367.00	92.79%	99.05%
0-90	2389.56	93.67%	99.99%
0-120	2389.56	93.67%	99.99%
0-180	2389.70	93.68%	100.00%
60-90	22.56	0.88%	0.94%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.84	1911.76	74.94%	80.00%

ZONAL LUMEN SUMMARY

0-10	697.81
10-20	887.52
20-30	506.07
30-40	203.59
40-50	49.46
50-60	22.56
60-70	13.59
70-80	6.60
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):

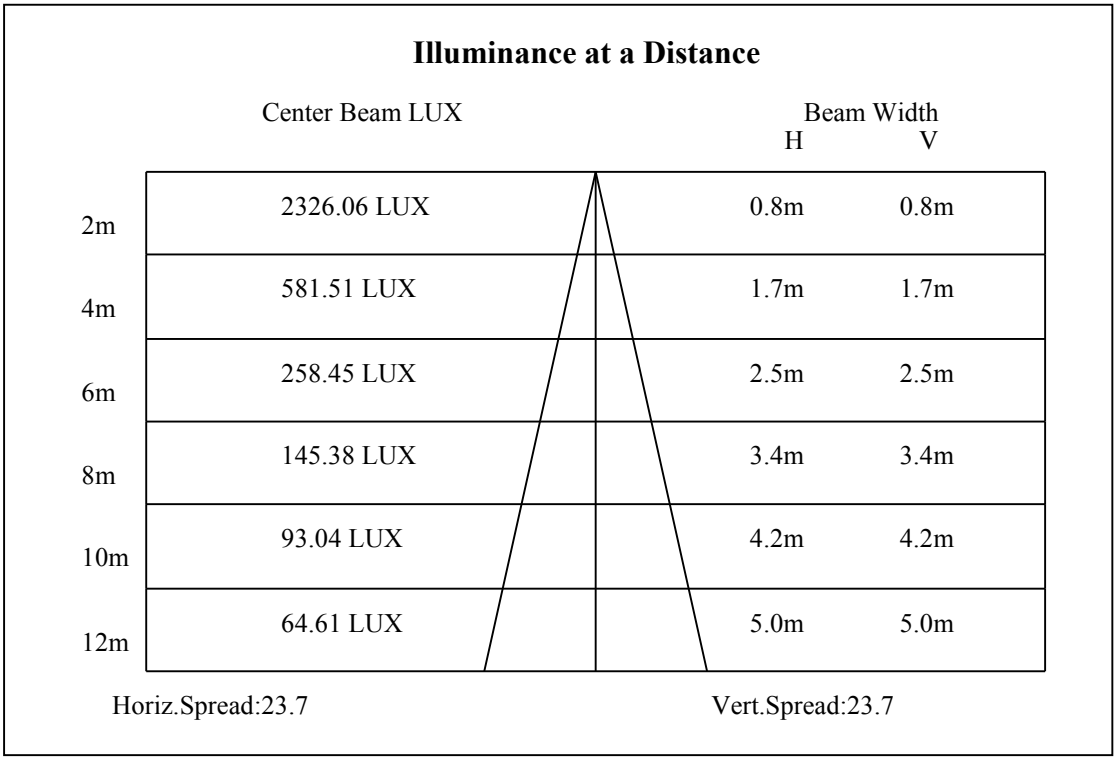
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:27.0 Right:27.0
:C90/270Left:27.0 Right:27.0

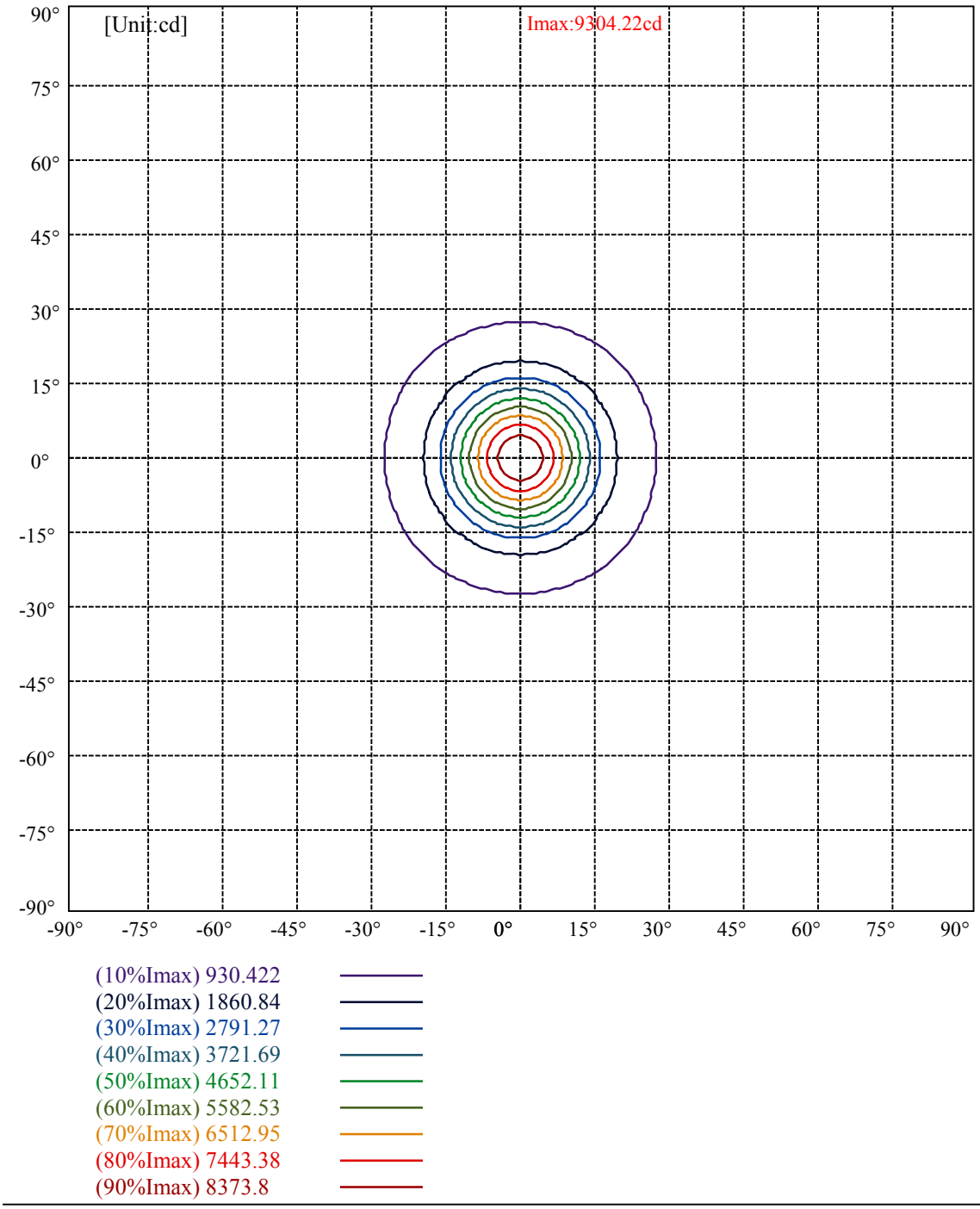
Beam Angle(50%Imax):C0/180Left:11.8 Right:11.8
:C90/270Left:11.8 Right:11.8

Lux distance Curve



Equipment: GMS 1800 Date: 2024/8/31 Operator: NT
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.25

ISO-Intensity(V-H)



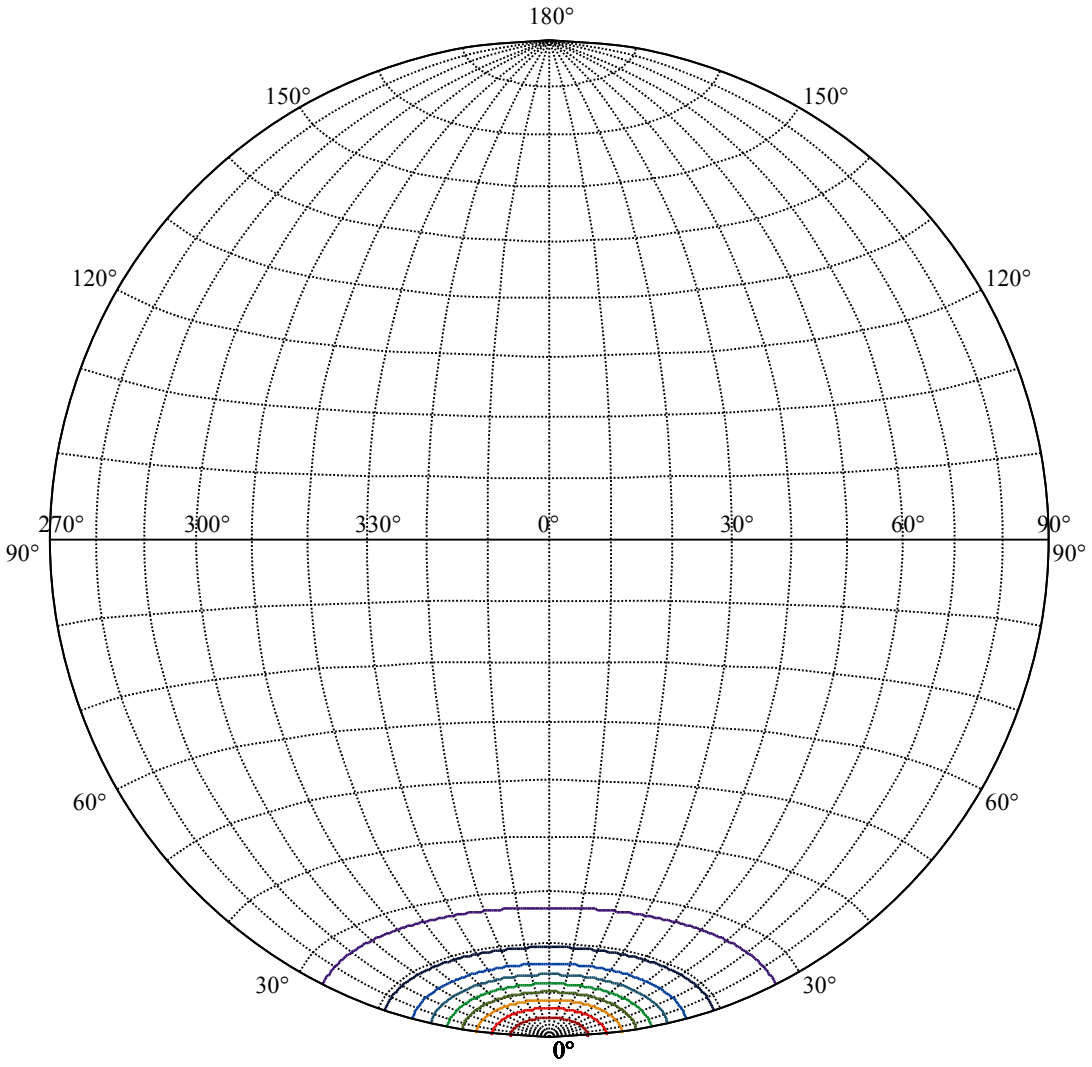
(10%Imax) 930.422
(20%Imax) 1860.84
(30%Imax) 2791.27
(40%Imax) 3721.69
(50%Imax) 4652.11
(60%Imax) 5582.53
(70%Imax) 6512.95
(80%Imax) 7443.38
(90%Imax) 8373.8

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/31
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO candela diagram on circular web

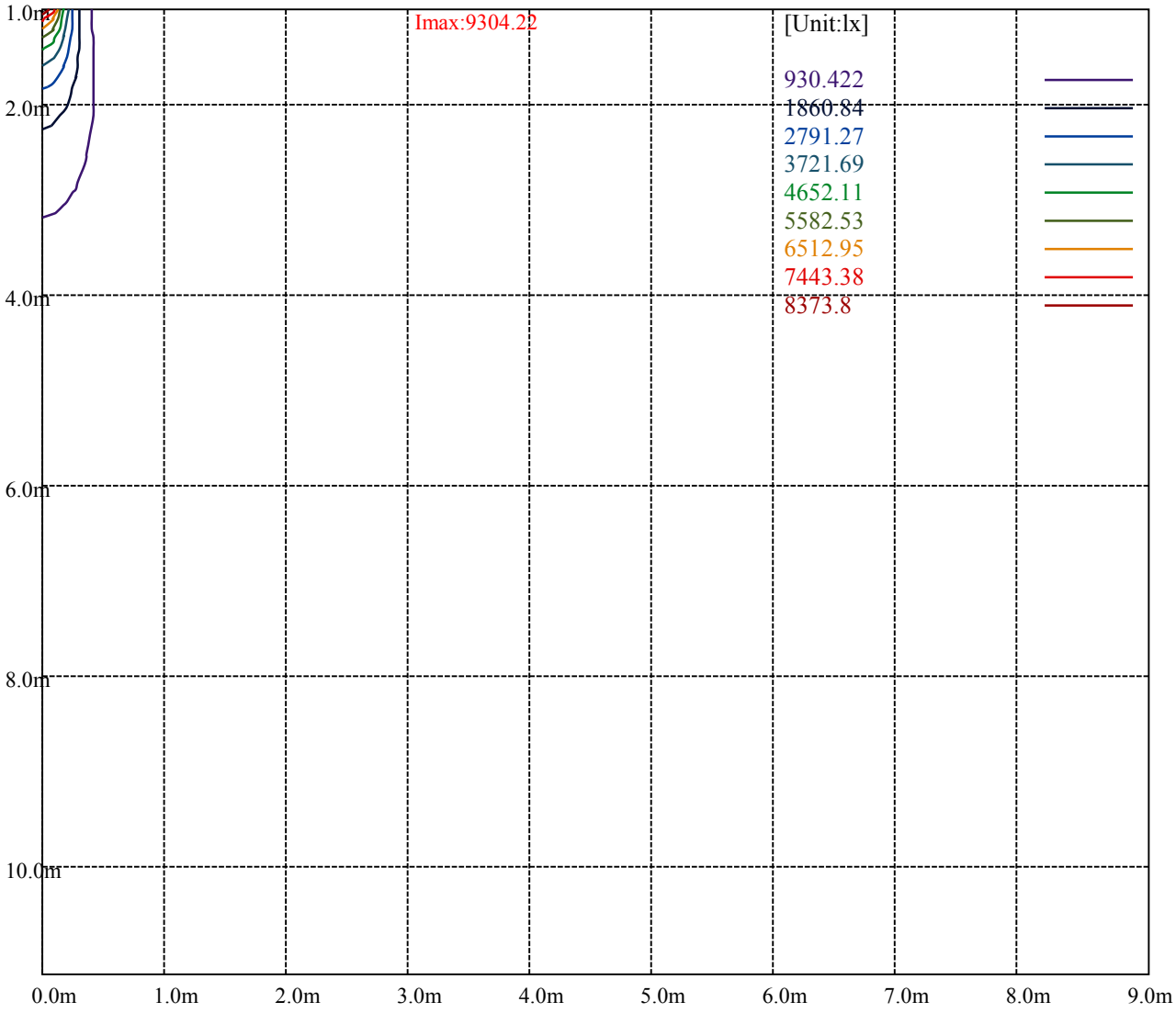


House [Unit:cd] Road

Imax:9304.22

(10%Imax) 930.422
(20%Imax) 1860.84
(30%Imax) 2791.27
(40%Imax) 3721.69
(50%Imax) 4652.11
(60%Imax) 5582.53
(70%Imax) 6512.95
(80%Imax) 7443.38
(90%Imax) 8373.8

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/31
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Nata 2-2755-L

Luminance Limitting Curve(no luminous side)

Luminance Table

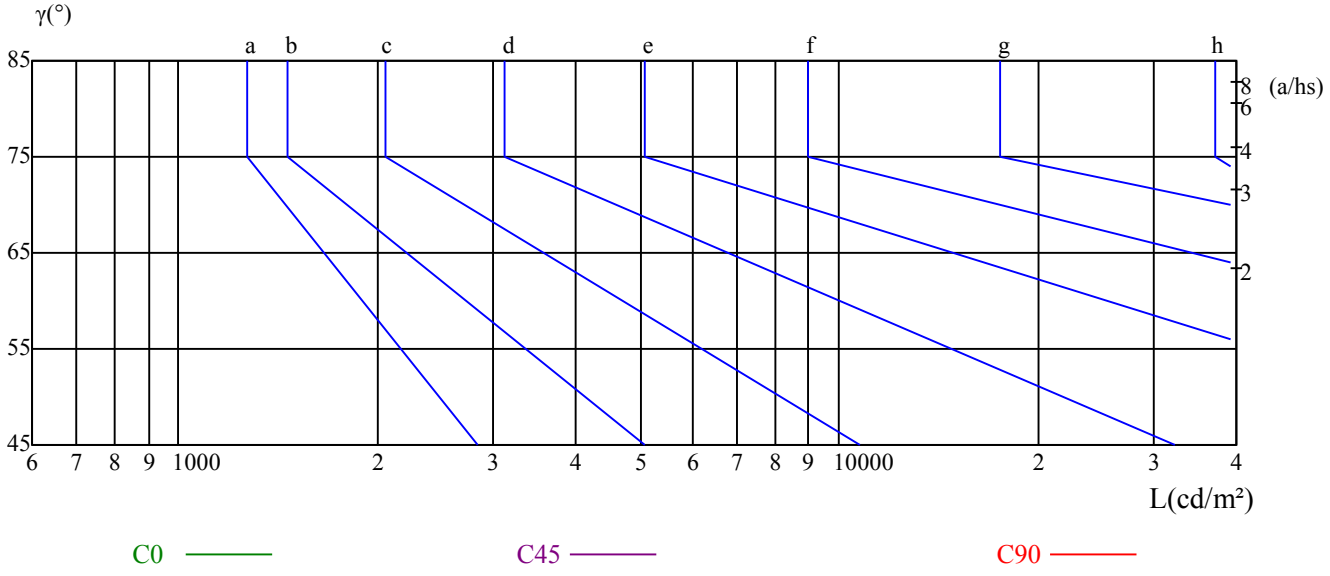
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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: GMS 1800
Temperature(°C): 25.0

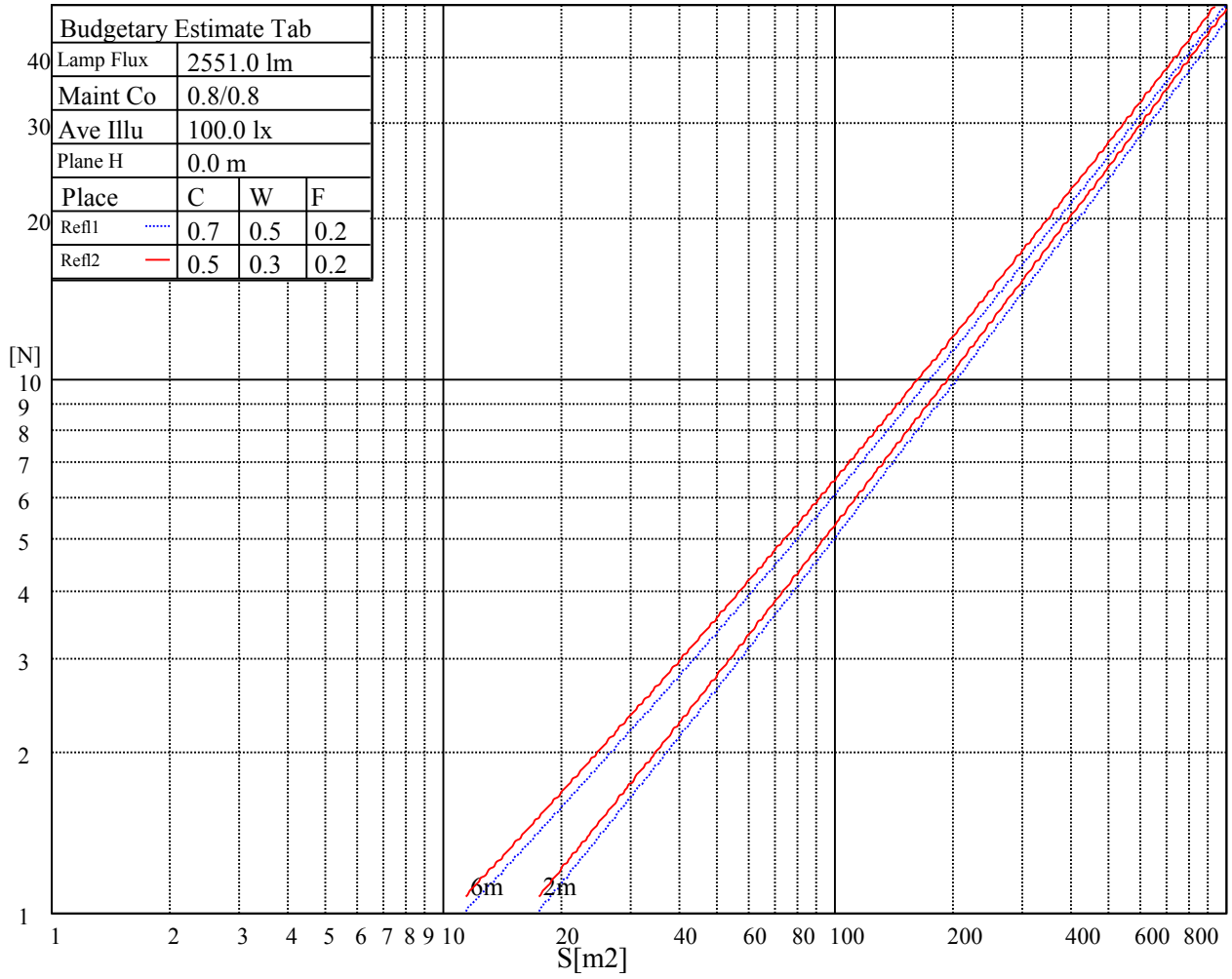
Date: 2024/8/31
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

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
Temperature(°C): 25.0

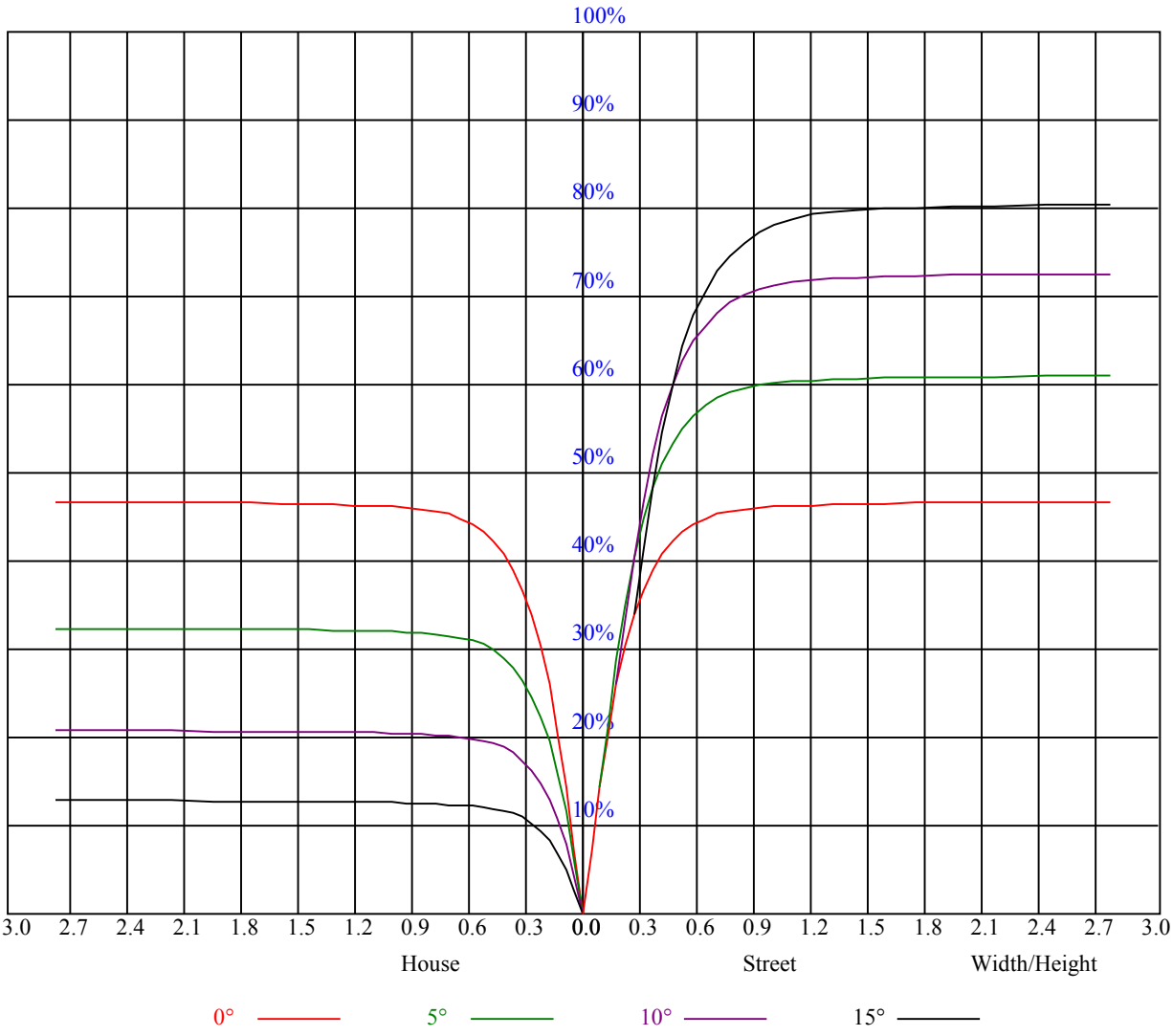
Date: 2024/8/31
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

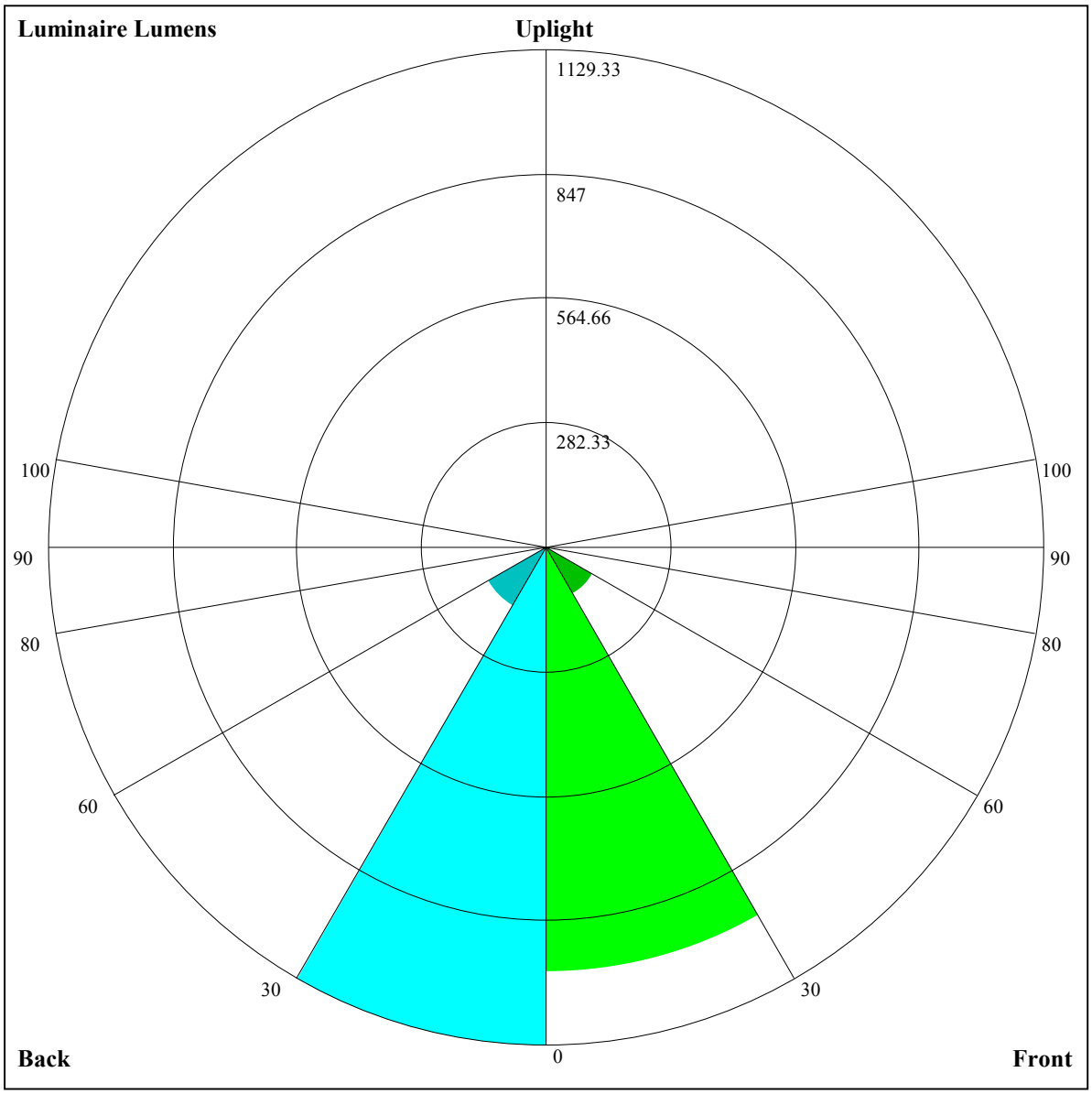
Utilization factor table for indoor luminaire

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	1.05	1.03	1.01	1.03	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.89
2	0.99	0.96	0.94	0.98	0.95	0.92	0.95	0.92	0.90	0.92	0.90	0.89	0.90	0.88	0.87	0.85
3	0.94	0.90	0.87	0.93	0.90	0.87	0.91	0.88	0.85	0.89	0.86	0.84	0.86	0.85	0.83	0.82
4	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.84	0.81	0.79	0.78
5	0.86	0.82	0.78	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.77	0.81	0.78	0.76	0.75
6	0.82	0.78	0.75	0.82	0.77	0.74	0.80	0.77	0.74	0.79	0.76	0.74	0.78	0.75	0.73	0.72
7	0.79	0.75	0.72	0.79	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.71	0.75	0.73	0.70	0.69
8	0.76	0.72	0.69	0.76	0.71	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.67
9	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.71	0.68	0.65	0.64
10	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.69	0.66	0.63	0.62

Coefficient Utilization Curve



Equipment: GMS 1800	Date: 2024/8/31	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.25



Luminaire Lumens:
FL=962.47,FM=123.47,FH=9.56,FVH=1.16
BL=1129.33,BM=154.86,BH=10.63,BVH=1.35
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	9183.46	8750.55	8510.39	8077.49	7583.82	7062.88	6519.64	5958.59	5378.56
45.0	9374.00	9238.60	8912.66	8526.01	8090.31	7601.64	7095.20	6540.25	5973.10
90.0	9230.24	8934.42	8465.82	8122.64	7667.98	7179.88	6624.98	6049.94	5482.22
135.0	9429.19	9376.78	9217.99	8963.38	8616.83	8391.18	7964.95	7303.61	7005.48
180.0	9183.46	9307.71	9395.70	9374.57	9318.86	9099.30	8783.40	8395.07	7962.17
225.0	9374.00	9530.58	9551.18	9492.10	9304.93	9015.20	8632.39	8159.38	7680.22
270.0	9230.24	9385.14	9488.79	9497.68	9406.32	9175.63	8843.59	8443.01	7954.34
315.0	9429.19	9369.53	9201.85	8908.19	8539.36	8090.31	7605.01	7046.74	6485.11
360.0	9183.46	8750.55	8510.39	8077.49	7583.82	7062.88	6519.64	5958.59	5378.56

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4844.27	4311.60	3816.30	3328.20	2894.20	2524.79	2202.21	1944.81	1729.73
45.0	5396.96	4823.66	4273.17	3752.23	3284.21	2865.23	2515.90	2207.20	1954.27
90.0	4923.95	4381.82	3851.94	3363.32	2953.80	2589.44	2268.49	2002.16	1788.81
135.0	6447.79	5877.80	5317.28	4751.23	4223.03	3704.29	3240.74	2832.33	2488.05
180.0	7494.15	6993.81	6424.92	5842.69	5294.99	4736.20	4180.66	3666.97	3221.24
225.0	7149.81	6604.90	6044.37	5457.14	4888.26	4333.36	3820.77	3325.42	2877.48
270.0	7443.43	6898.51	6335.78	5773.62	5201.43	4654.83	4117.75	3608.47	3142.71
315.0	5911.81	5347.39	4793.54	4267.02	3757.22	3482.58	2876.90	2511.44	2312.54
360.0	4844.27	4311.60	3816.30	3328.20	2894.20	2524.79	2202.21	1944.81	1729.73

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1629.44	1440.58	1325.78	1263.39	1063.60	1063.60	971.51	886.05	801.74
45.0	1747.02	1585.44	1500.71	1334.14	1270.65	1174.77	1082.84	998.74	914.59
90.0	1621.08	1537.51	1364.79	1304.60	1086.41	1086.41	1038.95	949.96	865.28
135.0	2181.03	1933.09	1729.73	1575.93	1444.47	1336.35	1253.93	1141.34	1068.39
180.0	2815.09	2467.97	2160.95	1911.91	1713.01	1585.44	1427.18	1336.93	1235.53
225.0	2500.29	2179.92	1897.98	1722.47	1545.28	1399.32	1290.15	1058.82	1058.82
270.0	2734.30	2374.93	2075.17	1829.44	1706.86	1489.04	1366.99	1304.08	1199.32
315.0	2036.17	1809.94	1627.76	1485.15	1359.21	1226.07	1086.83	1052.51	962.58
360.0	1629.44	1440.58	1325.78	1263.39	1063.60	1063.60	971.51	886.05	801.74

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	713.64	624.18	531.62	446.99	377.61	321.52	274.43	232.69	197.11
45.0	831.01	741.34	646.05	551.33	464.39	388.07	327.88	286.10	286.10
90.0	774.67	677.69	580.97	487.83	408.73	344.81	291.93	242.68	201.37
135.0	980.34	870.59	794.27	701.18	605.36	510.12	424.28	355.74	301.18
180.0	1144.71	1056.14	966.41	874.48	780.34	686.15	588.12	496.72	415.93
225.0	1009.20	920.05	833.48	746.65	655.93	568.94	484.26	410.30	347.49
270.0	1116.85	1028.28	941.92	851.09	759.69	671.70	576.98	487.25	409.25
315.0	871.59	781.18	687.04	592.17	497.14	445.84	344.44	312.01	265.81
360.0	713.64	624.18	531.62	446.99	377.61	321.52	274.43	232.69	197.11

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	176.87	137.56	123.21	102.92	80.68	72.80	61.81	53.56	47.46
45.0	186.02	166.36	137.98	113.32	93.72	77.90	65.34	55.56	48.46
90.0	172.41	136.93	112.54	96.61	76.74	66.02	55.56	47.99	42.47
135.0	291.14	240.63	177.03	146.75	121.63	108.33	83.15	74.17	61.55
180.0	351.33	297.82	288.36	239.90	191.80	161.05	134.93	112.80	94.98
225.0	315.90	252.19	214.61	194.59	153.06	137.82	115.22	96.56	81.47
270.0	346.28	296.14	278.32	278.32	185.39	149.33	128.52	106.86	89.51
315.0	226.23	191.59	162.21	137.14	116.69	99.82	85.31	72.90	62.65
360.0	176.87	137.56	123.21	102.92	80.68	72.80	61.81	53.56	47.46

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	42.84	39.00	36.11	33.80	31.64	29.70	27.91	26.33	25.12
45.0	43.15	38.90	35.53	33.11	31.01	29.07	27.28	25.97	24.91
90.0	38.37	35.22	32.54	30.17	28.23	26.49	25.18	24.07	22.92
135.0	52.93	46.52	41.89	38.16	35.22	33.06	30.96	28.91	27.23
180.0	79.90	67.86	58.50	51.30	46.26	41.94	38.42	35.43	32.96
225.0	68.44	58.13	50.72	45.20	40.95	37.48	34.48	32.48	30.59
270.0	74.59	62.65	53.61	47.25	42.21	38.42	35.22	32.90	30.75
315.0	54.77	48.62	43.84	39.84	36.74	34.38	32.06	30.01	28.96
360.0	42.84	39.00	36.11	33.80	31.64	29.70	27.91	26.33	25.12

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	23.76	22.13	21.03	20.39	18.71	17.82	16.45	15.09	14.51
45.0	23.50	22.65	20.76	19.76	19.13	18.08	16.19	15.61	14.82
90.0	21.60	20.39	19.55	18.61	17.40	16.08	15.51	14.61	13.46
135.0	25.91	24.91	23.55	22.18	20.92	19.92	18.76	17.71	16.61
180.0	30.80	28.86	27.28	25.76	24.39	22.71	21.45	20.66	19.34
225.0	28.75	26.86	25.44	24.39	22.60	21.24	20.34	19.34	18.19
270.0	28.70	26.96	25.65	24.60	23.34	21.97	20.76	20.18	19.08
315.0	26.91	26.12	24.76	23.29	21.76	20.60	19.50	18.45	17.08
360.0	23.76	22.13	21.03	20.39	18.71	17.82	16.45	15.09	14.51

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.61	12.46	11.51	10.72	10.09	9.25	8.41	7.73	7.10
45.0	13.98	12.98	11.93	11.09	10.41	9.67	8.78	7.99	7.52
90.0	12.93	11.83	11.09	10.41	9.72	8.78	7.99	7.46	6.94
135.0	15.82	14.72	13.98	12.93	11.93	11.20	10.46	9.57	8.62
180.0	18.08	16.87	15.82	14.88	13.93	12.67	11.67	11.04	10.30
225.0	16.87	15.61	14.56	13.77	12.83	11.56	10.67	10.14	9.41
270.0	18.40	16.93	15.72	14.88	14.03	13.04	11.83	11.04	10.30
315.0	15.87	15.03	14.03	12.83	11.77	11.04	10.25	9.36	8.46
360.0	13.61	12.46	11.51	10.72	10.09	9.25	8.41	7.73	7.10

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.62	6.04	5.57	5.10	4.68	4.31	3.99	3.47	3.10
45.0	6.94	6.41	5.83	5.47	4.99	4.52	4.10	3.73	3.36
90.0	6.41	5.83	5.41	4.99	4.57	4.10	3.78	3.36	3.00
135.0	7.94	7.36	6.78	6.20	5.68	5.20	4.84	4.31	3.99
180.0	9.46	8.57	7.88	7.25	6.68	6.20	5.68	5.20	4.78
225.0	8.46	7.73	7.10	6.52	5.99	5.52	5.05	4.63	4.15
270.0	9.57	8.62	7.88	7.25	6.62	6.04	5.52	4.99	4.57
315.0	7.78	7.10	6.68	5.94	5.41	5.10	4.68	4.21	3.84
360.0	6.62	6.04	5.57	5.10	4.68	4.31	3.99	3.47	3.10

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.84	2.52	2.21	2.05	1.79	1.52	1.31	1.05	1.05
45.0	2.94	2.63	2.31	2.00	1.79	1.52	1.31	1.16	1.16
90.0	2.73	2.42	2.10	1.94	1.79	1.47	1.42	1.16	1.10
135.0	3.63	3.26	2.89	2.47	2.21	2.05	1.84	1.52	1.37
180.0	4.31	4.05	3.57	3.26	2.79	2.42	2.16	1.89	1.52
225.0	3.94	3.47	3.10	2.84	2.42	2.10	1.84	1.52	1.31
270.0	4.15	3.78	3.31	2.94	2.68	2.31	2.05	1.84	1.52
315.0	3.36	3.05	2.73	2.42	2.16	1.89	1.58	1.42	1.21
360.0	2.84	2.52	2.21	2.05	1.79	1.52	1.31	1.05	1.05

Intensity data(cd)

C/γ(°)	90.0
0.0	1.05
45.0	1.10
90.0	1.05
135.0	1.00
180.0	1.37
225.0	1.21
270.0	1.37
315.0	1.00
360.0	1.05