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Nata

Client:
LumCAT: 2-2751-L
Luminaire: 92.70.412.00
Report No: 2024809-B013
Ballast type: AC

Test No: 2024809-C013	Voltage(V): 36.670
LampCAT: P2141-036-1206-P3090-1	Current(A): 0.695
Lamp flux(lm): 3120.0	Power (W): 25.480
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2946.66, Efficiency(%): 94.44% , Luminous Efficacy(lm/W): 115.65
Central intensity(cd): 12946.250, Maximum intensity(cd): 12946.250
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=20.2
[C90/270]Total=20.2
Field angle(10%Imax): [C0/180]Total=52.0
[C90/270]Total=52.0
Maximum s/h(1/2): C0_180=0.34 C90_270=0.34
Maximum s/h(1/4): C0_180=0.38 C90_270=0.38
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 94.44%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.031%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	12946.249	0.000	0	0.00%	0.00%
1.0	12850.835	12.343	12.343	0.40%	0.42%
2.0	12483.909	36.363	48.706	1.17%	1.65%
3.0	12004.230	58.568	107.274	1.88%	3.64%
4.0	11394.059	78.322	185.595	2.51%	6.30%
5.0	10869.840	95.778	281.374	3.07%	9.55%
6.0	10086.547	110.131	391.505	3.53%	13.29%
7.0	9163.950	119.487	510.992	3.83%	17.34%
8.0	8269.980	124.771	635.764	4.00%	21.58%
9.0	7328.940	126.421	762.184	4.05%	25.87%
10.0	6544.386	125.549	887.733	4.02%	30.13%
11.0	5785.318	123.199	1010.932	3.95%	34.31%
12.0	5053.214	118.481	1129.413	3.80%	38.33%
13.0	4489.567	113.249	1242.662	3.63%	42.17%
14.0	3981.577	108.430	1351.091	3.48%	45.85%
15.0	3553.534	103.445	1454.537	3.32%	49.36%
16.0	3202.449	98.994	1553.531	3.17%	52.72%
17.0	2876.227	94.661	1648.192	3.03%	55.93%
18.0	2685.405	91.699	1739.891	2.94%	59.05%
19.0	2506.305	90.325	1830.216	2.90%	62.11%
20.0	2245.417	86.970	1917.186	2.79%	65.06%
21.0	2011.797	81.747	1998.933	2.62%	67.84%
22.0	1856.416	77.733	2076.667	2.49%	70.48%
23.0	1715.443	74.947	2151.614	2.40%	73.02%
24.0	1568.222	71.793	2223.407	2.30%	75.46%
25.0	1423.649	68.029	2291.435	2.18%	77.76%
26.0	1300.869	64.313	2355.748	2.06%	79.95%
27.0	1169.916	60.448	2416.196	1.94%	82.00%
28.0	1091.460	57.253	2473.449	1.84%	83.94%
29.0	978.825	54.165	2527.614	1.74%	85.78%
30.0	854.988	49.513	2577.126	1.59%	87.46%
31.0	745.389	44.536	2621.663	1.43%	88.97%
32.0	633.963	39.517	2661.179	1.27%	90.31%
33.0	534.784	34.432	2695.611	1.10%	91.48%
34.0	445.907	29.679	2725.29	0.95%	92.49%
35.0	372.984	25.432	2750.722	0.82%	93.35%
36.0	313.213	21.849	2772.57	0.70%	94.09%
37.0	269.100	18.992	2791.562	0.61%	94.74%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	233.542	16.778	2808.339	0.54%	95.31%
39.0	198.220	14.737	2823.077	0.47%	95.81%
40.0	151.104	12.183	2835.26	0.39%	96.22%
41.0	124.967	9.831	2845.091	0.32%	96.55%
42.0	103.706	8.308	2853.399	0.27%	96.83%
43.0	87.313	7.076	2860.475	0.23%	97.08%
44.0	72.983	6.050	2866.525	0.19%	97.28%
45.0	62.195	5.195	2871.72	0.17%	97.46%
46.0	54.054	4.546	2876.266	0.15%	97.61%
47.0	47.543	4.041	2880.307	0.13%	97.75%
48.0	42.990	3.660	2883.966	0.12%	97.87%
49.0	39.212	3.376	2887.342	0.11%	97.99%
50.0	36.334	3.150	2890.492	0.10%	98.09%
51.0	34.074	2.979	2893.471	0.10%	98.19%
52.0	32.438	2.854	2896.325	0.09%	98.29%
53.0	31.202	2.768	2899.093	0.09%	98.39%
54.0	30.329	2.712	2901.805	0.09%	98.48%
55.0	29.869	2.687	2904.492	0.09%	98.57%
56.0	29.724	2.693	2907.185	0.09%	98.66%
57.0	29.580	2.712	2909.896	0.09%	98.75%
58.0	29.442	2.729	2912.626	0.09%	98.84%
59.0	29.172	2.740	2915.366	0.09%	98.94%
60.0	28.633	2.731	2918.097	0.09%	99.03%
61.0	27.431	2.676	2920.773	0.09%	99.12%
62.0	25.598	2.555	2923.328	0.08%	99.21%
63.0	23.344	2.380	2925.708	0.08%	99.29%
64.0	20.861	2.169	2927.877	0.07%	99.36%
65.0	17.950	1.921	2929.798	0.06%	99.43%
66.0	15.644	1.676	2931.474	0.05%	99.48%
67.0	13.817	1.481	2932.955	0.05%	99.53%
68.0	12.221	1.319	2934.274	0.04%	99.58%
69.0	10.972	1.183	2935.458	0.04%	99.62%
70.0	10.000	1.077	2936.535	0.03%	99.66%
71.0	9.166	0.991	2937.525	0.03%	99.69%
72.0	8.541	0.921	2938.446	0.03%	99.72%
73.0	7.924	0.861	2939.307	0.03%	99.75%
74.0	7.352	0.803	2940.11	0.03%	99.78%
75.0	6.879	0.752	2940.862	0.02%	99.80%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.439	0.707	2941.569	0.02%	99.83%
77.0	5.966	0.661	2942.23	0.02%	99.85%
78.0	5.506	0.614	2942.845	0.02%	99.87%
79.0	5.026	0.566	2943.41	0.02%	99.89%
80.0	4.553	0.516	2943.927	0.02%	99.91%
81.0	4.067	0.466	2944.393	0.01%	99.92%
82.0	3.601	0.416	2944.809	0.01%	99.94%
83.0	3.127	0.366	2945.175	0.01%	99.95%
84.0	2.720	0.319	2945.493	0.01%	99.96%
85.0	2.372	0.278	2945.771	0.01%	99.97%
86.0	2.043	0.241	2946.012	0.01%	99.98%
87.0	1.735	0.207	2946.219	0.01%	99.98%
88.0	1.445	0.174	2946.393	0.01%	99.99%
89.0	1.202	0.145	2946.538	0.00%	100.00%
90.0	1.084	0.125	2946.664	0.00%	100.00%

Zonal flux distribution table

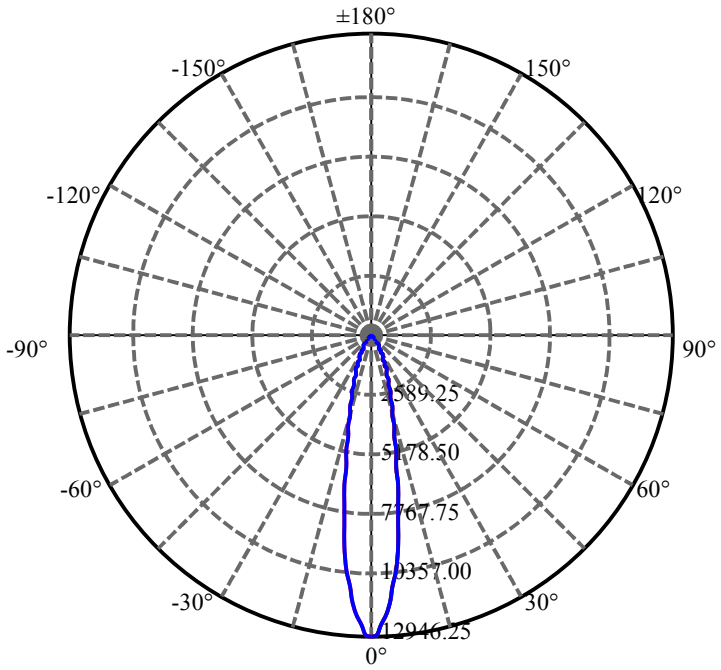
ZONAL LUMEN SUMMARY

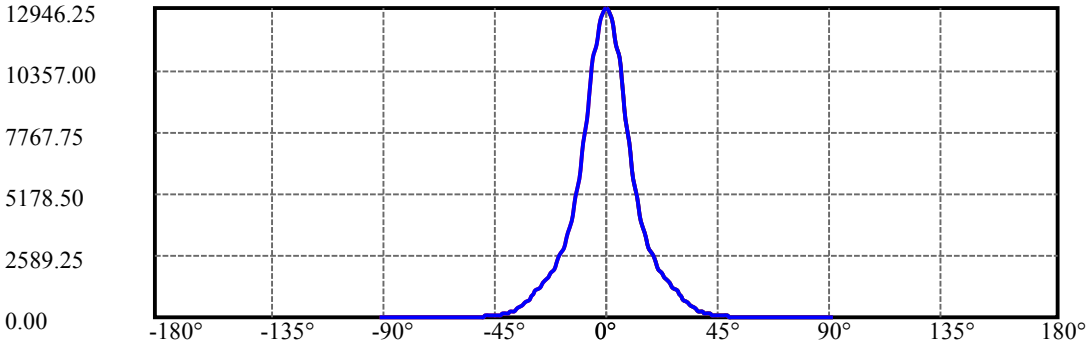
Zone	Lumens	%Lamp	%Fixt
0-30	2577.13	82.60%	87.46%
0-40	2835.26	90.87%	96.22%
0-60	2918.10	93.53%	99.03%
0-90	2946.54	94.44%	100.00%
0-120	2946.54	94.44%	100.00%
0-180	2946.66	94.44%	100.00%
60-90	28.44	0.91%	0.97%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.03	2357.33	75.56%	80.00%

ZONAL LUMEN SUMMARY

0-10	887.73
10-20	1029.45
20-30	659.94
30-40	258.13
40-50	55.23
50-60	27.61
60-70	18.44
70-80	7.39
80-90	2.61
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):

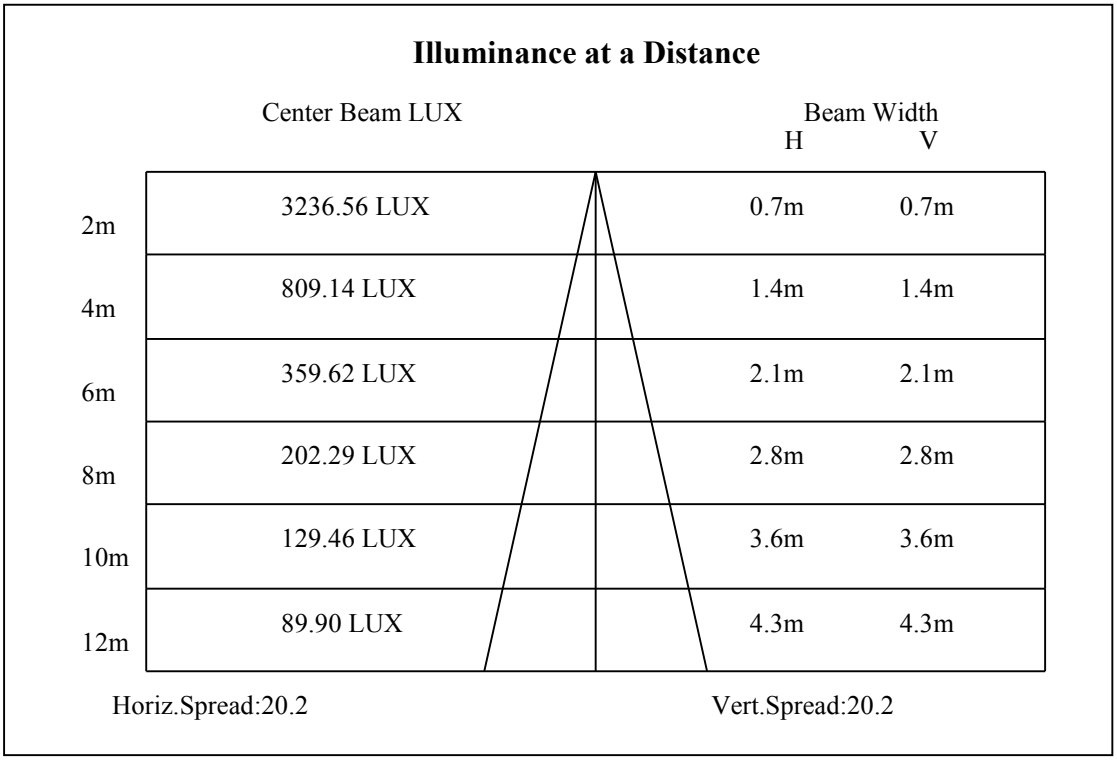
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:26.0 Right:26.0
:C90/270Left:26.0 Right:26.0

Beam Angle(50%Imax):C0/180Left:10.1 Right:10.1
:C90/270Left:10.1 Right:10.1

Lux distance Curve

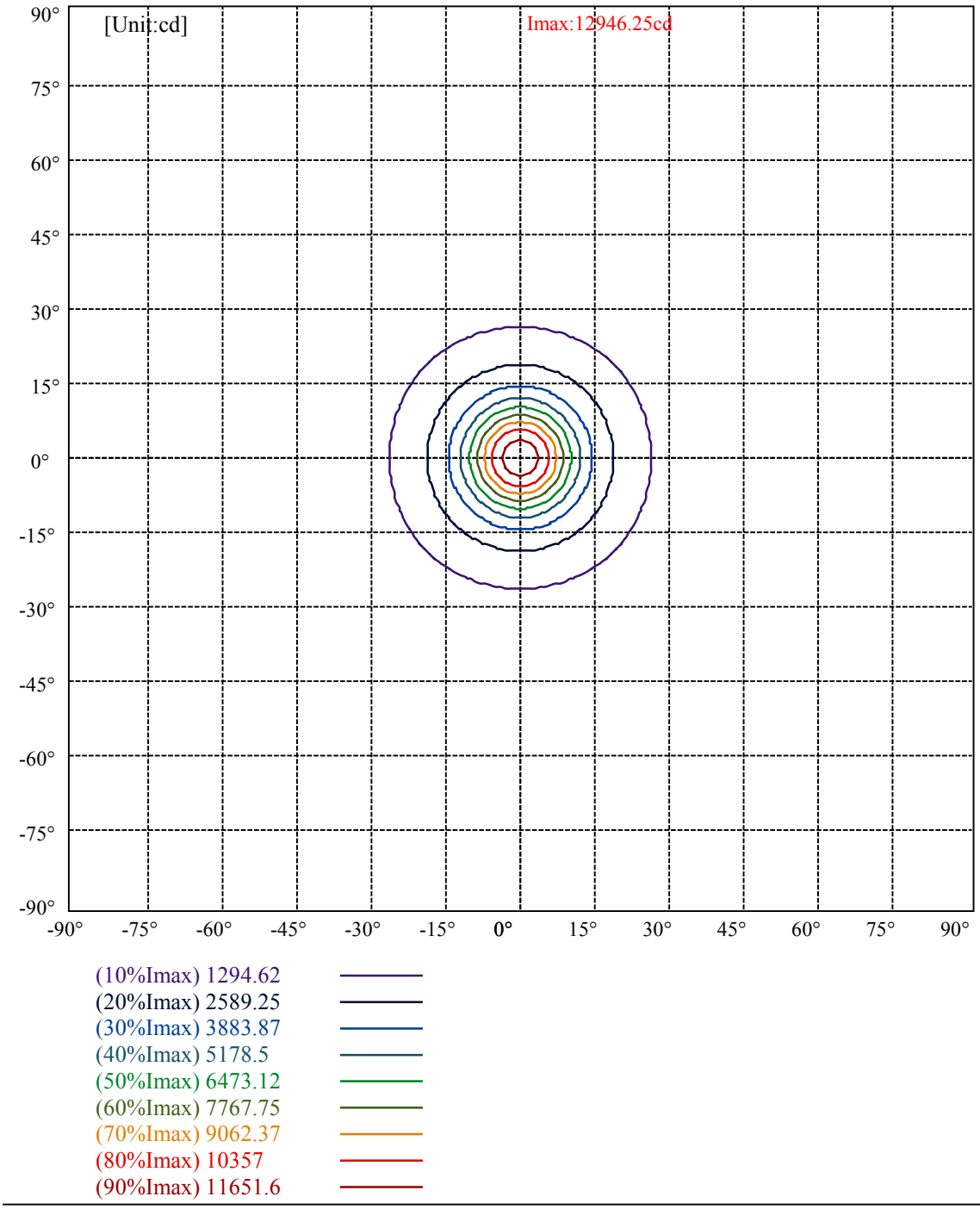


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/9
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO-Intensity(V-H)



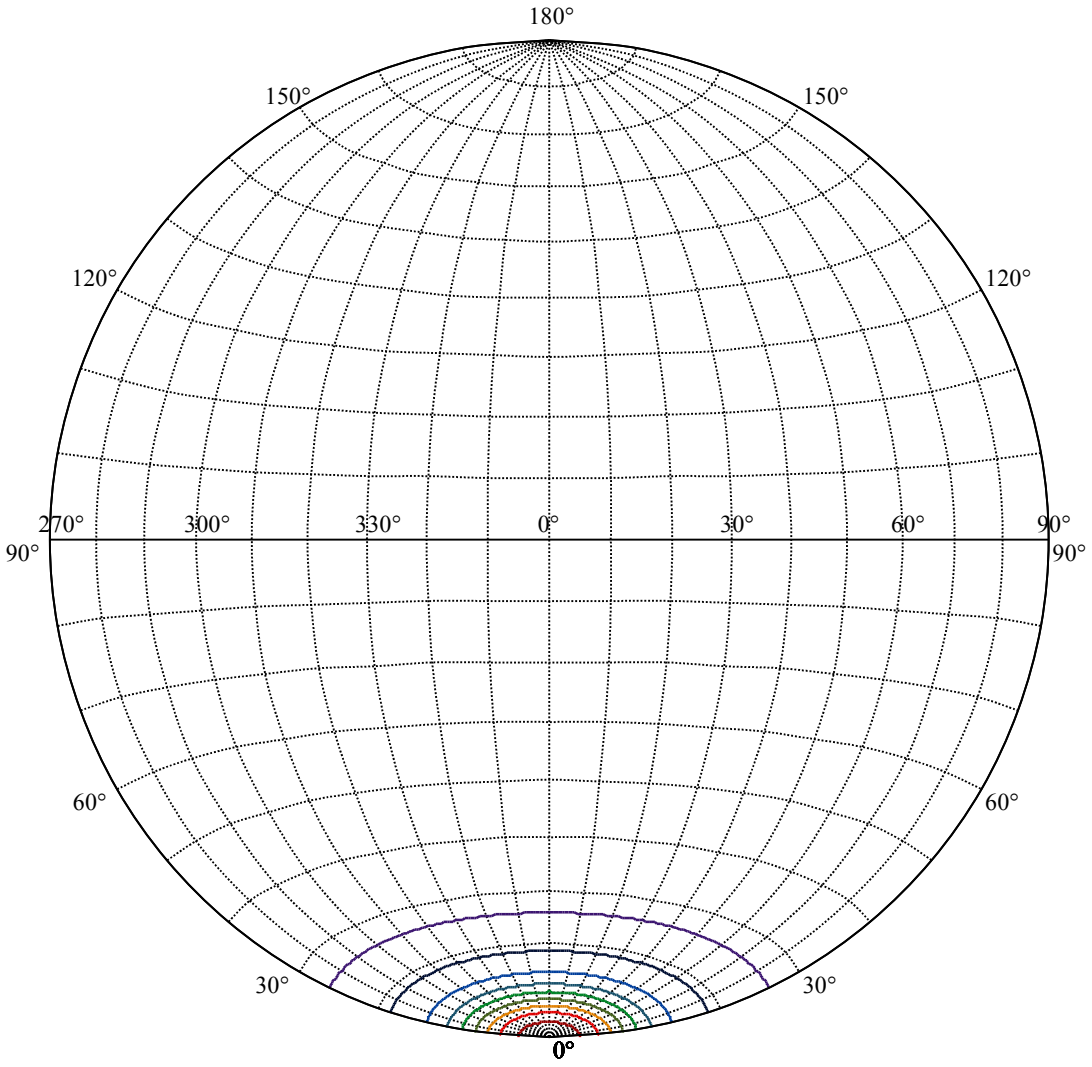
(10%Imax) 1294.62
(20%Imax) 2589.25
(30%Imax) 3883.87
(40%Imax) 5178.5
(50%Imax) 6473.12
(60%Imax) 7767.75
(70%Imax) 9062.37
(80%Imax) 10357
(90%Imax) 11651.6

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/9
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:12946.25

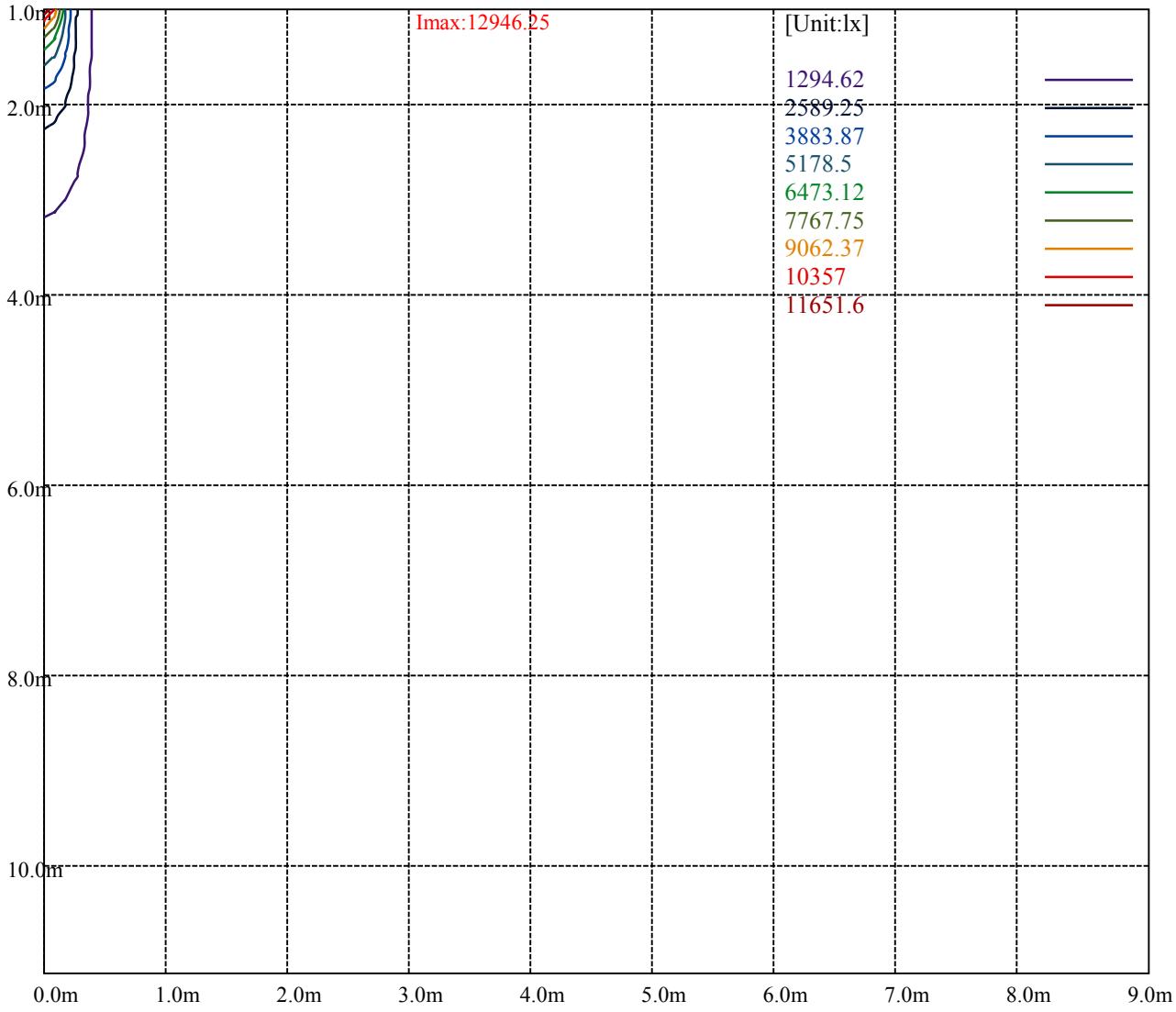
(10%Imax) 1294.62
(20%Imax) 2589.25
(30%Imax) 3883.87
(40%Imax) 5178.5
(50%Imax) 6473.12
(60%Imax) 7767.75
(70%Imax) 9062.37
(80%Imax) 10357
(90%Imax) 11651.6

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/9
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/9
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Nata 2-2751-L

Luminance Limitting Curve(no luminous side)

Luminance Table

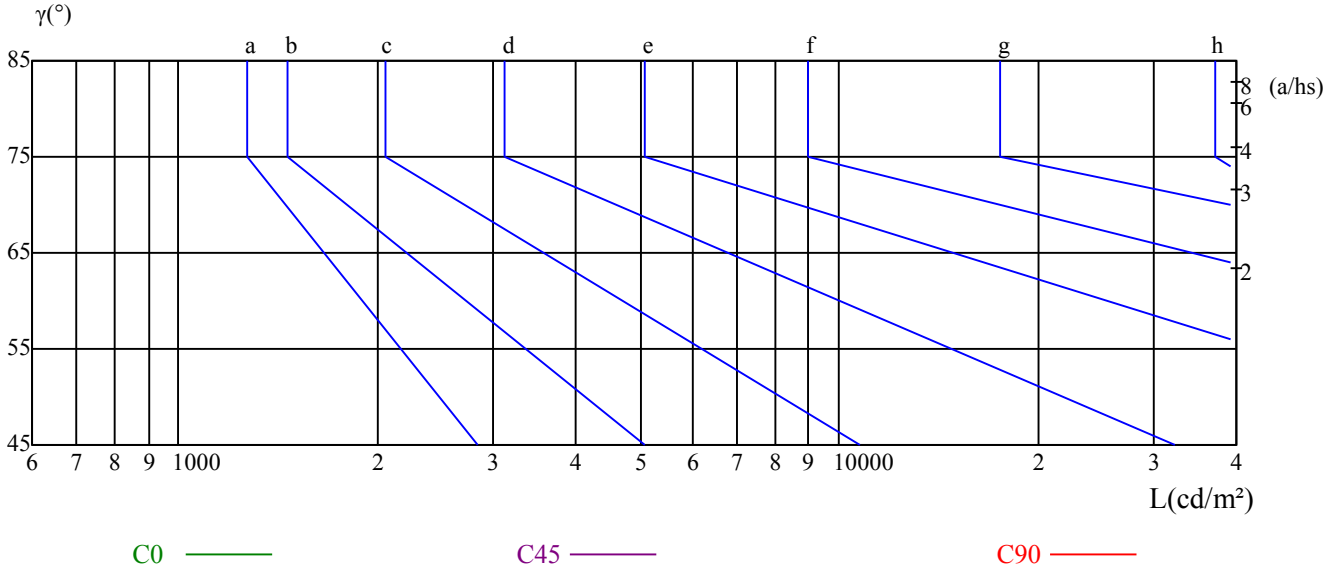
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

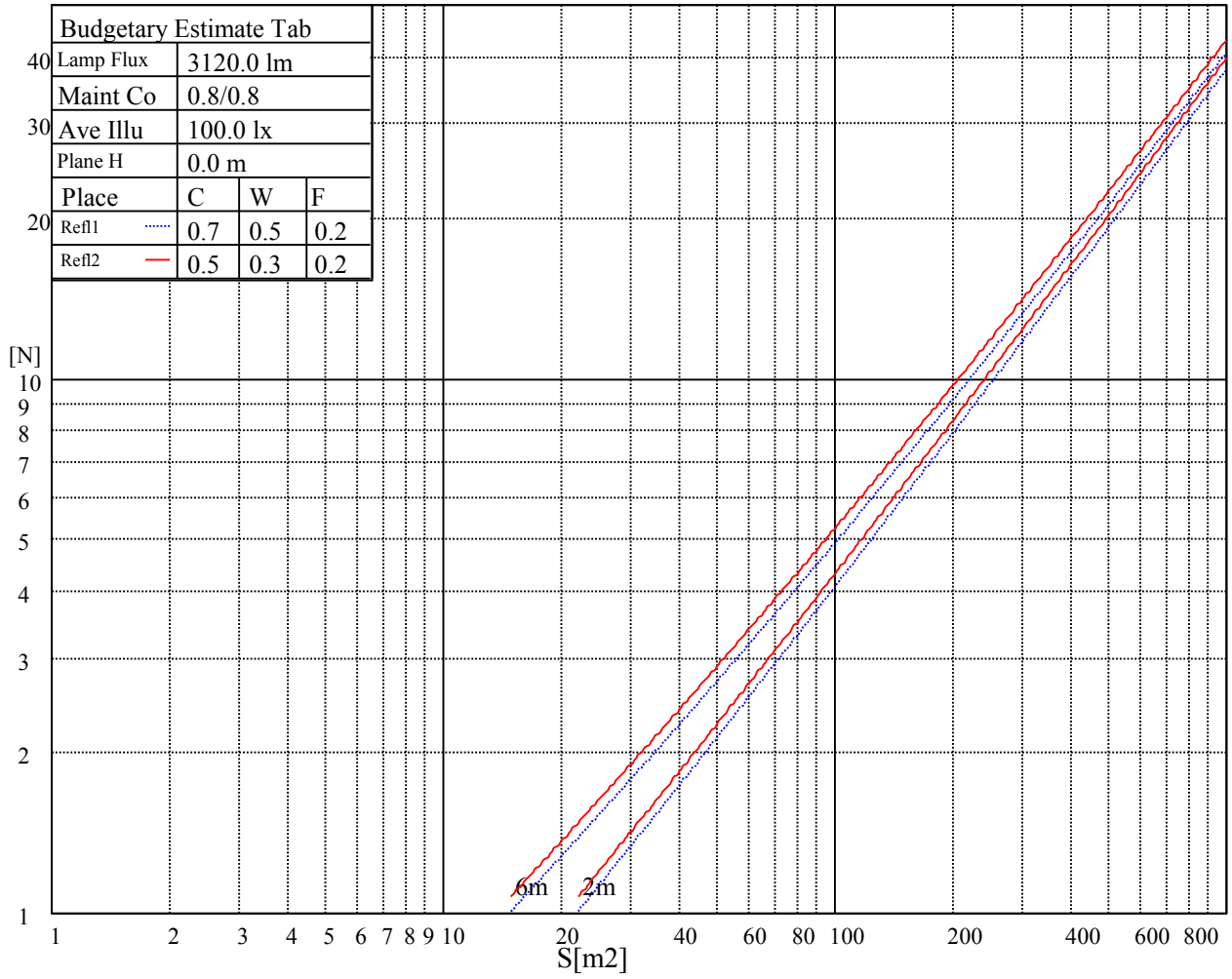
Date: 2024/8/9
Humidity(%): 60.0%

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

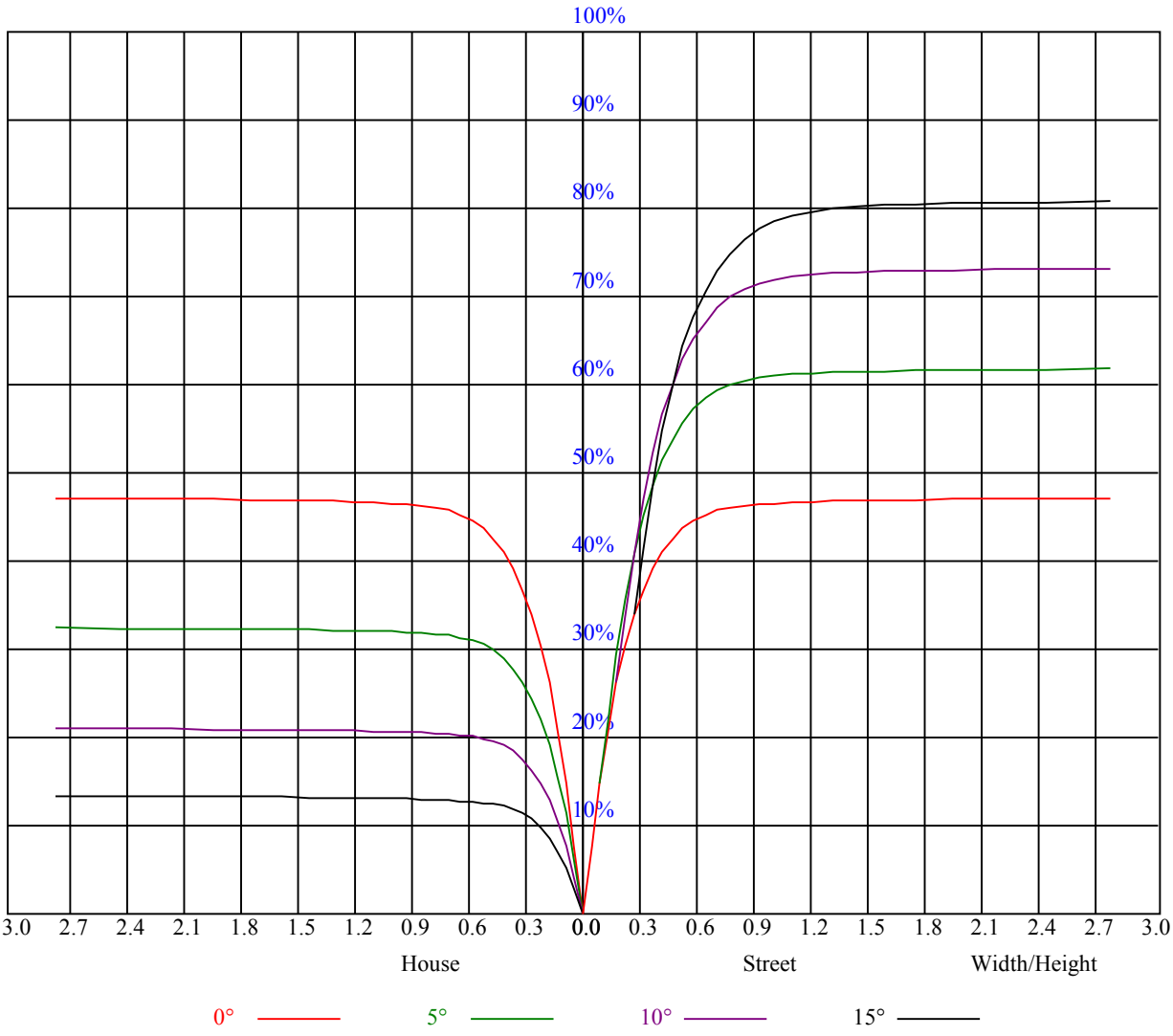
Date: 2024/8/9
Humidity(%): 60.0%

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	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.06	1.04	1.02	1.04	1.02	1.00	1.00	0.99	0.97	0.97	0.96	0.95	0.93	0.93	0.92	0.90
2	1.00	0.97	0.94	0.99	0.96	0.93	0.96	0.93	0.91	0.93	0.91	0.89	0.90	0.89	0.87	0.86
3	0.95	0.91	0.88	0.94	0.90	0.87	0.91	0.89	0.86	0.89	0.87	0.85	0.87	0.85	0.84	0.82
4	0.91	0.86	0.83	0.90	0.86	0.83	0.88	0.84	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.79
5	0.87	0.82	0.79	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.77	0.75
6	0.83	0.79	0.75	0.82	0.78	0.75	0.81	0.77	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.73
7	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.70
8	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.74	0.71	0.68	0.67
9	0.74	0.70	0.67	0.74	0.69	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.65
10	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.63

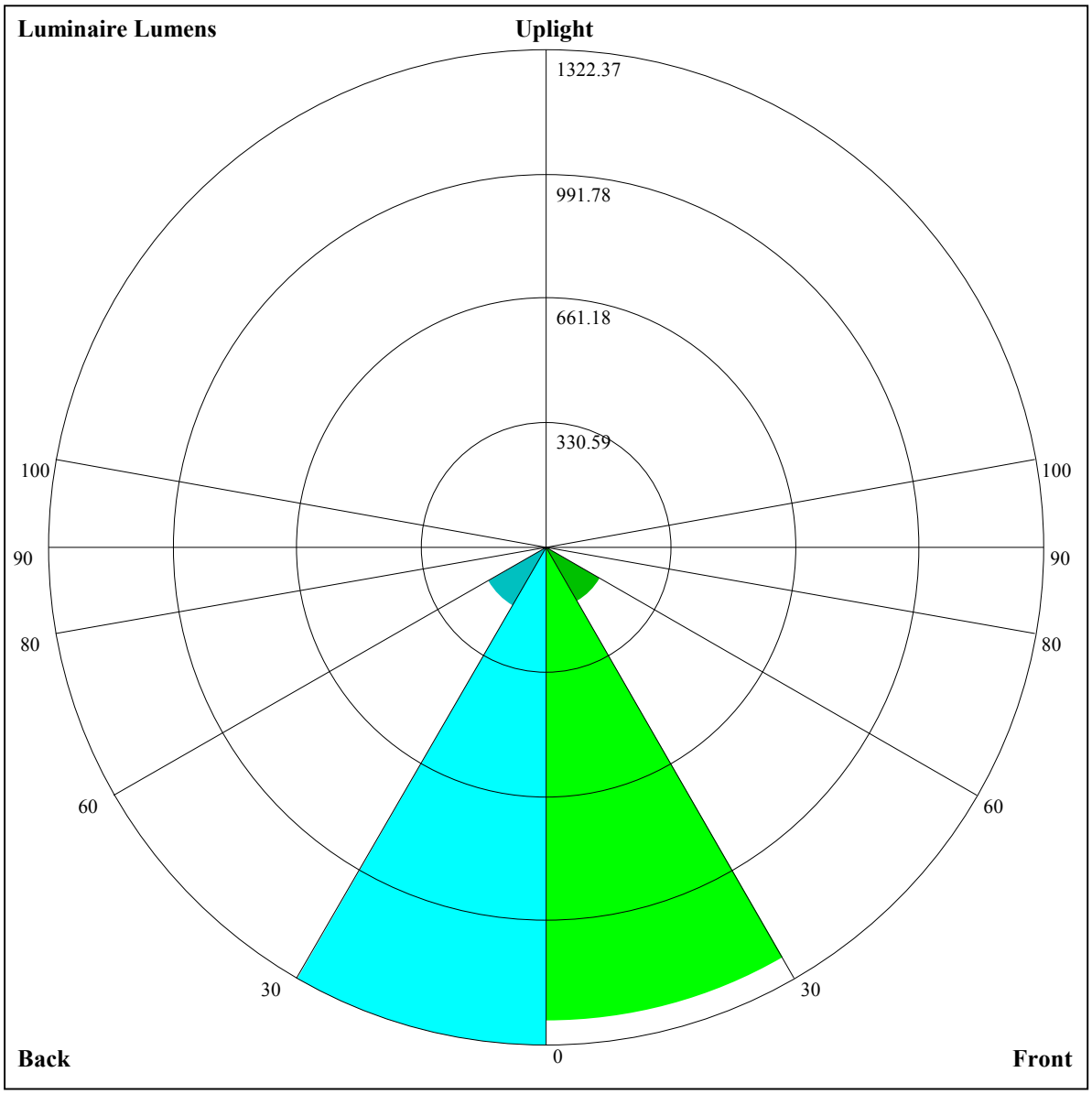
Coefficient Utilization Curve



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/9
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25



Luminaire Lumens:
FL=1260.06,FM=164.37,FH=12.49,FVH=1.32
BL=1322.37,BM=180.79,BH=13.26,BVH=1.42
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	12901.68	12639.81	12216.37	10896.73	10896.73	10024.77	9076.49	8313.71	7194.91
45.0	12990.82	12901.68	12634.24	12177.36	11592.34	10845.75	9971.00	9034.97	8054.36
90.0	12873.82	12522.81	11108.45	10785.88	10619.25	9899.41	8767.27	7823.98	7081.27
135.0	13018.68	12923.96	12712.24	12205.22	11731.63	11012.90	10199.44	9291.26	8327.37
180.0	12901.68	12974.11	12879.39	12606.38	12160.65	11564.49	11129.90	9987.72	9051.68
225.0	12990.82	12907.25	12645.38	12338.94	10805.33	10805.33	10295.00	9378.46	8448.53
270.0	12873.82	13001.97	12974.11	12784.67	12394.66	11854.21	11174.47	10355.44	9837.28
315.0	13018.68	12935.11	12701.10	12238.65	10951.87	10951.87	10078.81	9126.06	8164.43
360.0	12901.68	12639.81	12216.37	10896.73	10896.73	10024.77	9076.49	8313.71	7194.91

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6322.43	5672.23	4973.52	4399.11	3917.17	3500.40	3143.24	2842.37	2588.86
45.0	7123.90	6260.30	5491.41	4817.25	4271.23	3792.07	3390.91	3173.62	2755.75
90.0	6059.46	5423.71	4756.80	4204.11	3752.23	3357.22	3021.24	2737.09	2498.61
135.0	7385.77	6499.88	5697.56	4995.54	4388.23	3892.36	3480.06	3117.90	2817.03
180.0	8477.81	7547.34	6633.60	5814.57	5106.97	4494.09	3975.93	3552.49	3190.33
225.0	7511.39	6634.44	5822.66	5112.28	4505.50	3995.70	3574.51	3193.38	2870.23
270.0	8516.81	7959.64	7040.33	6210.15	5446.84	4783.82	4237.80	3769.78	3374.20
315.0	7233.97	6357.54	5866.66	4872.70	4528.36	4036.96	3604.58	3232.96	2914.80
360.0	6322.43	5672.23	4973.52	4399.11	3917.17	3500.40	3143.24	2842.37	2588.86

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2374.93	2181.03	2004.42	1838.95	1694.62	1557.58	1430.54	1302.39	1065.44
45.0	2755.75	2551.54	2196.64	2010.52	1852.30	1701.29	1554.22	1421.61	1295.14
90.0	2286.89	2102.45	1926.42	1777.09	1632.80	1501.29	1370.94	1085.21	1060.87
135.0	2817.03	2761.32	2223.92	1976.56	1877.95	1731.93	1594.90	1463.39	1336.93
180.0	2867.18	2867.18	2345.39	2149.28	1979.35	1885.15	1680.69	1547.55	1466.76
225.0	2701.98	2369.36	2248.99	2061.82	1892.99	1740.87	1598.79	1462.87	1335.25
270.0	3028.76	2794.75	2794.75	2243.42	2051.20	1884.05	1736.98	1655.61	1522.47
315.0	2650.73	2422.82	2222.82	2036.74	1870.12	1721.37	1578.71	1450.57	1324.10
360.0	2374.93	2181.03	2004.42	1838.95	1694.62	1557.58	1430.54	1302.39	1065.44

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1065.44	991.59	868.12	745.76	624.97	516.74	426.70	356.01	295.93
45.0	1171.46	1050.57	930.20	812.09	696.77	585.86	504.55	419.29	337.92
90.0	1060.87	943.34	827.81	710.28	599.21	497.66	412.98	344.55	287.52
135.0	1214.35	1091.78	974.77	859.98	745.76	636.58	533.51	442.68	371.35
180.0	1340.29	1218.24	1098.45	982.55	867.81	751.33	641.05	539.08	447.15
225.0	1080.74	1080.74	969.41	853.30	739.92	629.12	528.36	438.32	392.22
270.0	1356.43	1285.68	1169.78	1052.20	936.35	820.97	705.65	595.32	491.72
315.0	1069.75	1069.75	992.06	823.76	752.33	633.43	525.47	432.01	360.05
360.0	1065.44	991.59	868.12	745.76	624.97	516.74	426.70	356.01	295.93

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	248.73	208.15	172.62	142.92	119.00	98.66	82.52	72.33	59.76
45.0	292.25	292.25	205.62	171.30	143.39	120.21	100.66	84.99	72.38
90.0	240.84	200.26	166.41	138.24	115.22	96.03	80.53	68.12	59.87
135.0	313.43	291.67	291.67	188.07	156.58	130.30	108.86	91.62	77.16
180.0	375.24	315.64	294.46	283.31	180.82	155.16	123.63	106.65	89.15
225.0	328.62	256.61	229.01	190.28	157.42	130.78	108.12	89.72	75.22
270.0	407.57	339.03	302.29	302.29	196.53	154.01	131.09	107.39	85.31
315.0	299.03	249.20	206.26	169.36	139.87	114.59	94.24	77.69	65.02
360.0	248.73	208.15	172.62	142.92	119.00	98.66	82.52	72.33	59.76

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	52.14	47.57	42.21	39.42	36.16	33.64	32.17	30.80	29.75
45.0	62.34	54.82	49.04	46.36	41.00	37.42	35.90	34.22	32.80
90.0	51.14	46.68	42.63	38.74	36.64	34.59	33.27	31.96	31.22
135.0	65.81	56.93	50.20	45.20	41.47	38.16	35.64	33.96	32.54
180.0	74.80	63.13	54.45	47.83	42.94	39.32	36.22	33.69	32.17
225.0	63.34	54.40	47.83	42.79	39.21	36.37	33.80	32.12	30.80
270.0	73.32	61.71	52.46	45.78	41.10	37.53	34.80	32.64	31.06
315.0	54.66	47.20	41.52	37.79	35.16	33.64	30.80	30.12	29.28
360.0	52.14	47.57	42.21	39.42	36.16	33.64	32.17	30.80	29.75

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	29.70	29.54	29.22	29.07	29.07	28.28	26.91	25.23	22.55
45.0	31.70	31.27	31.01	30.75	30.49	30.07	29.12	27.54	25.60
90.0	31.01	30.75	30.75	30.70	30.28	29.22	27.70	25.60	22.39
135.0	31.17	31.01	30.91	30.70	30.54	30.70	30.33	29.07	27.44
180.0	30.80	29.65	29.22	29.01	28.80	28.65	28.75	28.12	27.39
225.0	30.17	29.44	29.44	29.33	29.07	29.07	28.80	27.75	25.97
270.0	29.80	28.96	28.54	28.54	28.65	28.49	28.80	28.65	27.44
315.0	28.28	28.33	28.70	28.54	28.65	28.91	28.65	27.49	26.02
360.0	29.70	29.54	29.22	29.07	29.07	28.28	26.91	25.23	22.55

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.61	17.14	14.61	12.83	12.04	10.41	9.78	8.99	8.04
45.0	22.81	19.71	17.24	14.93	13.09	11.72	10.62	9.67	8.94
90.0	19.50	16.93	14.40	12.67	11.41	10.67	9.46	8.99	8.36
135.0	25.65	22.50	19.50	17.14	14.72	13.09	11.77	10.67	9.78
180.0	25.39	24.18	21.08	17.40	15.98	13.67	12.19	10.88	9.88
225.0	23.86	20.87	17.92	15.61	13.35	11.83	10.72	9.72	8.94
270.0	25.97	24.81	20.55	18.82	16.35	13.98	12.25	11.04	10.04
315.0	23.97	20.76	18.29	15.77	13.61	12.40	10.99	10.04	9.36
360.0	19.61	17.14	14.61	12.83	12.04	10.41	9.78	8.99	8.04

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.67	7.15	6.68	6.20	5.78	5.26	4.84	4.36	3.89
45.0	8.41	7.83	7.04	6.68	6.20	5.78	5.26	4.84	4.26
90.0	7.73	7.10	6.73	6.25	5.83	5.26	4.78	4.31	3.78
135.0	9.15	8.46	7.88	7.36	6.94	6.52	5.94	5.62	5.10
180.0	9.20	8.52	7.83	7.36	6.83	6.36	5.94	5.41	4.94
225.0	8.36	7.78	7.25	6.78	6.41	5.94	5.62	4.94	4.57
270.0	9.25	8.52	7.83	7.36	6.83	6.41	5.94	5.52	5.05
315.0	8.57	8.04	7.57	7.04	6.68	6.20	5.73	5.20	4.84
360.0	7.67	7.15	6.68	6.20	5.78	5.26	4.84	4.36	3.89

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.42	3.05	2.52	2.26	1.94	1.68	1.37	1.10	0.95
45.0	3.84	3.31	2.89	2.37	2.10	1.79	1.47	1.21	1.00
90.0	3.31	2.94	2.47	2.21	1.89	1.68	1.37	1.21	1.10
135.0	4.47	3.94	3.47	3.00	2.73	2.37	2.05	1.68	1.26
180.0	4.52	4.05	3.42	3.05	2.52	2.21	1.89	1.68	1.37
225.0	4.05	3.63	3.21	2.79	2.37	2.00	1.68	1.37	1.16
270.0	4.57	4.05	3.57	3.05	2.68	2.26	2.00	1.58	1.42
315.0	4.36	3.84	3.47	3.05	2.73	2.37	2.05	1.73	1.37
360.0	3.42	3.05	2.52	2.26	1.94	1.68	1.37	1.10	0.95

Intensity data(cd)

C/γ(°)	90.0
0.0	0.95
45.0	1.00
90.0	1.16
135.0	1.10
180.0	1.05
225.0	1.00
270.0	1.26
315.0	1.16
360.0	0.95