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Nata

Client:
LumCAT: 2-2748-L
Luminaire: 92.70.412.00
Report No: 2024814-B017
Ballast type: AC

Test No: 2024814-C017	Voltage(V): 34.630
LampCAT: LUMINUS CXM-14-AC40	Current(A): 0.694
Lamp flux(lm): 3147.0	Power (W): 24.030
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2924.53, Efficiency(%): 92.93% , Luminous Efficacy(lm/W): 121.70
Central intensity(cd): 12918.390, Maximum intensity(cd): 12918.390
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=19.8
[C90/270]Total=19.8
Field angle(10%Imax): [C0/180]Total=52.6
[C90/270]Total=52.6
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(%): 92.93%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.122%

Equipment: GMS 1800	Date: 2024/8/14	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.25

Nata 2-2748-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	12918.391	0.000	0	0.00%	0.00%
1.0	12826.459	12.318	12.318	0.39%	0.42%
2.0	12330.308	36.107	48.426	1.15%	1.66%
3.0	12050.334	58.310	106.736	1.85%	3.65%
4.0	11353.914	78.341	185.078	2.49%	6.33%
5.0	10670.720	94.749	279.827	3.01%	9.57%
6.0	9911.448	108.165	387.991	3.44%	13.27%
7.0	9002.103	117.396	505.387	3.73%	17.28%
8.0	8161.820	122.839	628.226	3.90%	21.48%
9.0	7197.928	124.482	752.709	3.96%	25.74%
10.0	6396.166	123.022	875.73	3.91%	29.94%
11.0	5720.337	121.069	996.799	3.85%	34.08%
12.0	5021.512	117.424	1114.223	3.73%	38.10%
13.0	4454.810	112.460	1226.683	3.57%	41.94%
14.0	3987.214	108.057	1334.74	3.43%	45.64%
15.0	3552.200	103.504	1438.245	3.29%	49.18%
16.0	3216.661	99.183	1537.427	3.15%	52.57%
17.0	2937.455	95.836	1633.263	3.05%	55.85%
18.0	2720.707	93.291	1726.554	2.96%	59.04%
19.0	2456.127	90.066	1816.621	2.86%	62.12%
20.0	2278.256	86.652	1903.273	2.75%	65.08%
21.0	2054.202	83.192	1986.465	2.64%	67.92%
22.0	1866.021	78.779	2065.243	2.50%	70.62%
23.0	1731.126	75.478	2140.721	2.40%	73.20%
24.0	1556.993	71.890	2212.611	2.28%	75.66%
25.0	1422.019	67.736	2280.348	2.15%	77.97%
26.0	1329.470	64.949	2345.297	2.06%	80.19%
27.0	1188.451	61.601	2406.898	1.96%	82.30%
28.0	1074.036	57.281	2464.18	1.82%	84.26%
29.0	973.885	53.579	2517.759	1.70%	86.09%
30.0	851.992	49.298	2567.057	1.57%	87.78%
31.0	741.677	44.349	2611.407	1.41%	89.29%
32.0	633.424	39.395	2650.802	1.25%	90.64%
33.0	532.892	34.360	2685.162	1.09%	91.82%
34.0	445.474	29.608	2714.77	0.94%	92.83%
35.0	369.442	25.308	2740.079	0.80%	93.69%
36.0	317.195	21.863	2761.941	0.69%	94.44%
37.0	261.643	18.878	2780.82	0.60%	95.09%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	217.280	15.986	2796.805	0.51%	95.63%
39.0	189.672	13.890	2810.696	0.44%	96.11%
40.0	155.887	12.052	2822.748	0.38%	96.52%
41.0	121.111	9.864	2832.611	0.31%	96.86%
42.0	99.126	8.002	2840.613	0.25%	97.13%
43.0	82.976	6.746	2847.359	0.21%	97.36%
44.0	68.535	5.718	2853.077	0.18%	97.56%
45.0	58.003	4.863	2857.94	0.15%	97.72%
46.0	49.520	4.205	2862.145	0.13%	97.87%
47.0	43.009	3.680	2865.825	0.12%	97.99%
48.0	38.305	3.287	2869.112	0.10%	98.11%
49.0	34.573	2.993	2872.105	0.10%	98.21%
50.0	31.840	2.769	2874.874	0.09%	98.30%
51.0	29.718	2.604	2877.479	0.08%	98.39%
52.0	28.193	2.485	2879.964	0.08%	98.48%
53.0	26.991	2.401	2882.364	0.08%	98.56%
54.0	26.275	2.348	2884.712	0.07%	98.64%
55.0	25.821	2.325	2887.037	0.07%	98.72%
56.0	25.637	2.325	2889.363	0.07%	98.80%
57.0	25.657	2.345	2891.708	0.07%	98.88%
58.0	25.670	2.374	2894.081	0.08%	98.96%
59.0	25.414	2.388	2896.47	0.08%	99.04%
60.0	24.954	2.380	2898.849	0.08%	99.12%
61.0	24.198	2.346	2901.195	0.07%	99.20%
62.0	22.950	2.272	2903.467	0.07%	99.28%
63.0	21.163	2.145	2905.612	0.07%	99.35%
64.0	19.166	1.979	2907.591	0.06%	99.42%
65.0	16.873	1.783	2909.375	0.06%	99.48%
66.0	14.757	1.578	2910.953	0.05%	99.54%
67.0	12.825	1.387	2912.34	0.04%	99.58%
68.0	11.196	1.217	2913.556	0.04%	99.62%
69.0	9.862	1.074	2914.631	0.03%	99.66%
70.0	8.916	0.964	2915.595	0.03%	99.69%
71.0	8.114	0.880	2916.475	0.03%	99.72%
72.0	7.477	0.811	2917.286	0.03%	99.75%
73.0	6.965	0.755	2918.041	0.02%	99.78%
74.0	6.452	0.705	2918.747	0.02%	99.80%
75.0	6.025	0.659	2919.406	0.02%	99.82%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.631	0.619	2920.024	0.02%	99.85%
77.0	5.237	0.579	2920.604	0.02%	99.87%
78.0	4.836	0.539	2921.143	0.02%	99.88%
79.0	4.422	0.497	2921.64	0.02%	99.90%
80.0	3.995	0.454	2922.094	0.01%	99.92%
81.0	3.607	0.411	2922.505	0.01%	99.93%
82.0	3.193	0.369	2922.874	0.01%	99.94%
83.0	2.779	0.325	2923.199	0.01%	99.95%
84.0	2.431	0.284	2923.483	0.01%	99.96%
85.0	2.083	0.246	2923.729	0.01%	99.97%
86.0	1.800	0.212	2923.941	0.01%	99.98%
87.0	1.537	0.183	2924.124	0.01%	99.99%
88.0	1.294	0.155	2924.279	0.00%	99.99%
89.0	1.117	0.132	2924.411	0.00%	100.00%
90.0	1.005	0.116	2924.528	0.00%	100.00%

Zonal flux distribution table

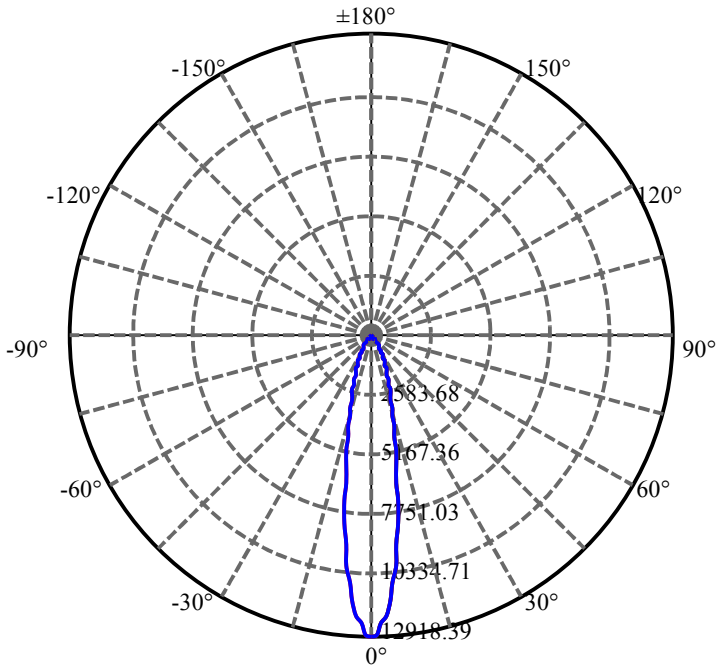
ZONAL LUMEN SUMMARY

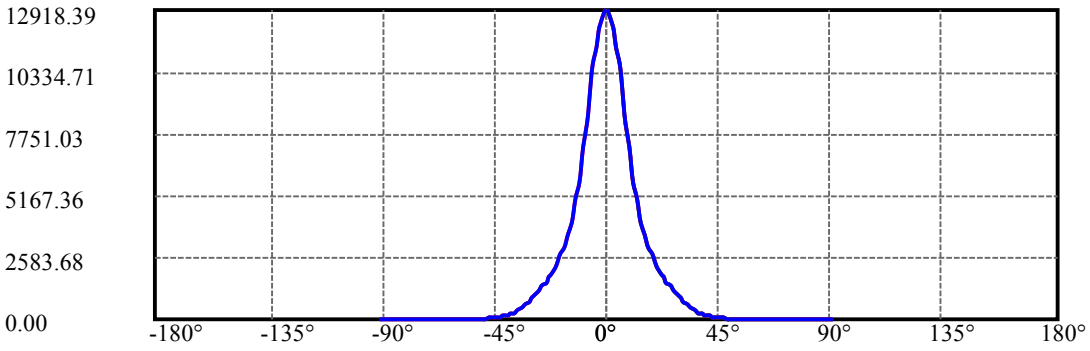
Zone	Lumens	%Lamp	%Fixt
0-30	2567.06	81.57%	87.78%
0-40	2822.75	89.70%	96.52%
0-60	2898.85	92.11%	99.12%
0-90	2924.41	92.93%	100.00%
0-120	2924.41	92.93%	100.00%
0-180	2924.53	92.93%	100.00%
60-90	25.56	0.81%	0.87%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.91	2339.62	74.34%	80.00%

ZONAL LUMEN SUMMARY

0-10	875.73
10-20	1027.54
20-30	663.78
30-40	255.69
40-50	52.13
50-60	23.97
60-70	16.75
70-80	6.50
80-90	2.32
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:26.3 Right:26.3
:C90/270Left:26.3 Right:26.3

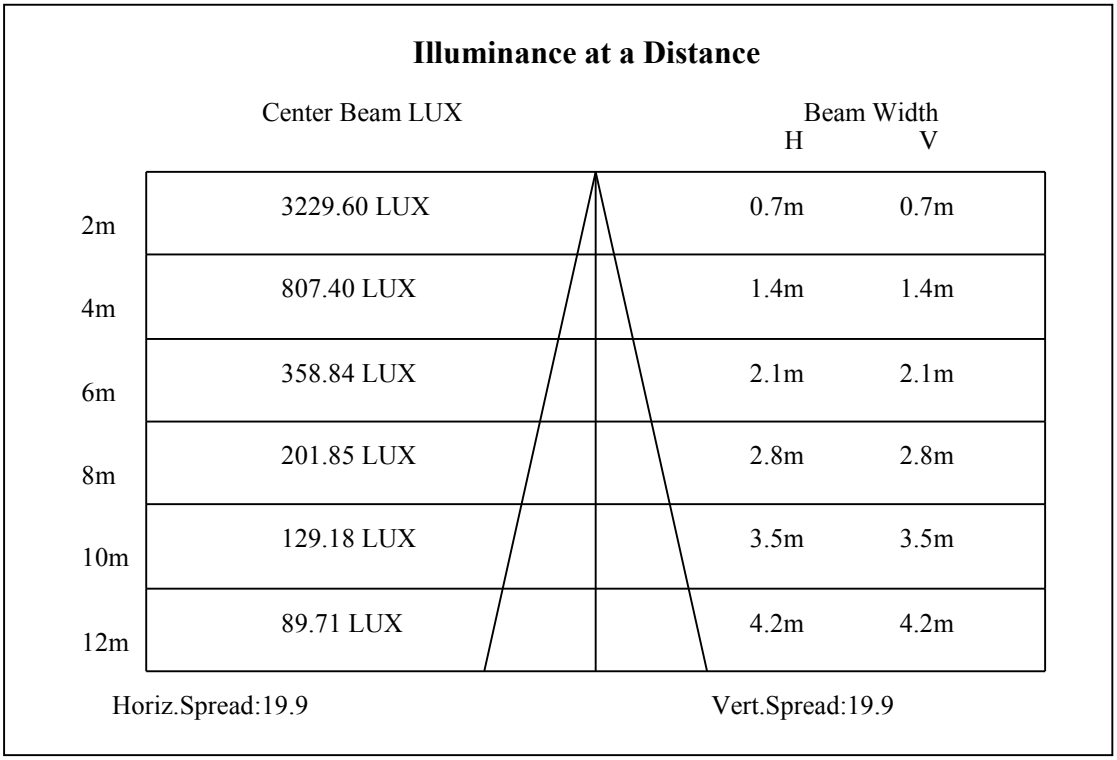
Beam Angle(50%Imax):C0/180Left:9.9 Right:9.9
:C90/270Left:9.9 Right:9.9

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/14
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Lux distance Curve

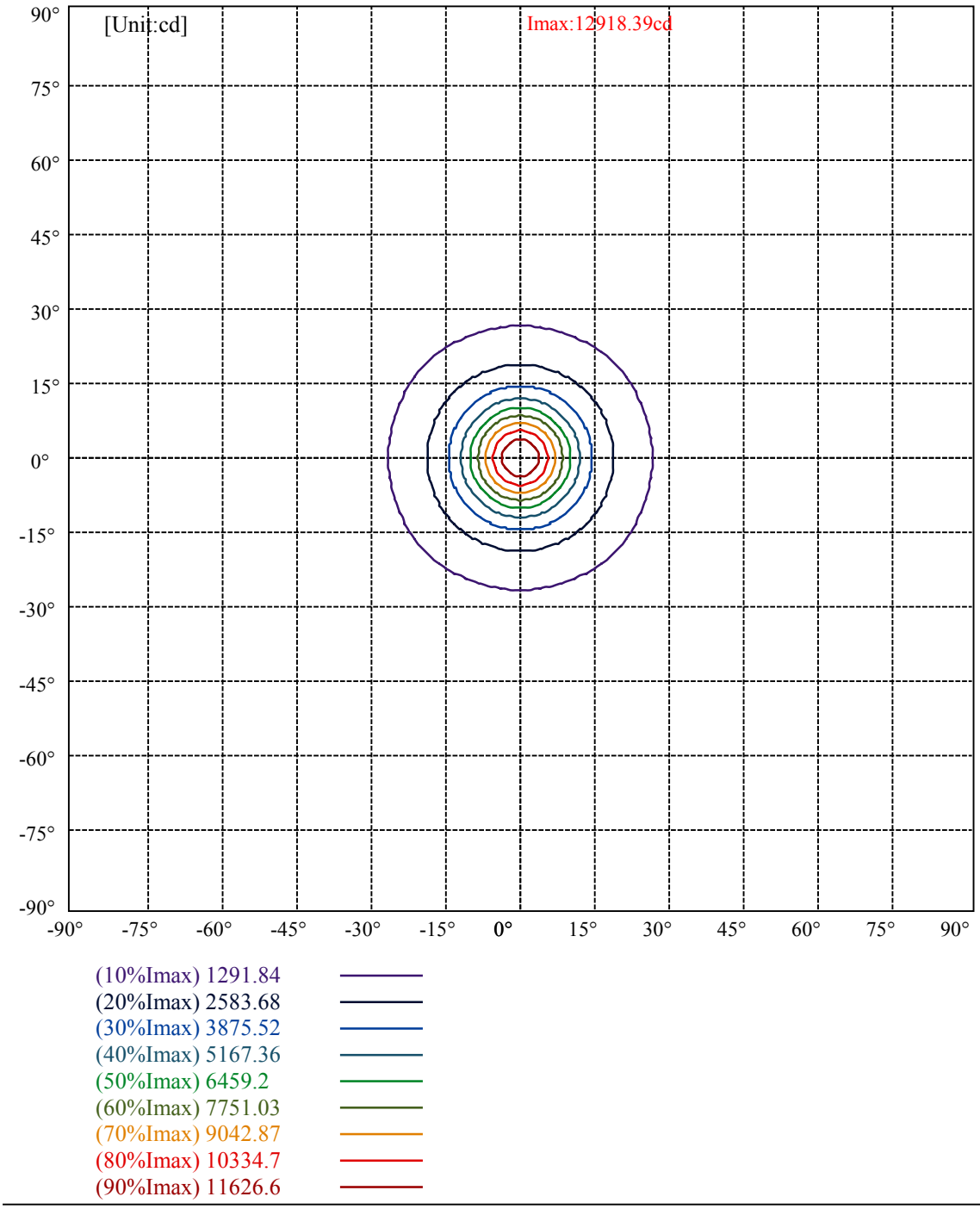


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/14
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO-Intensity(V-H)



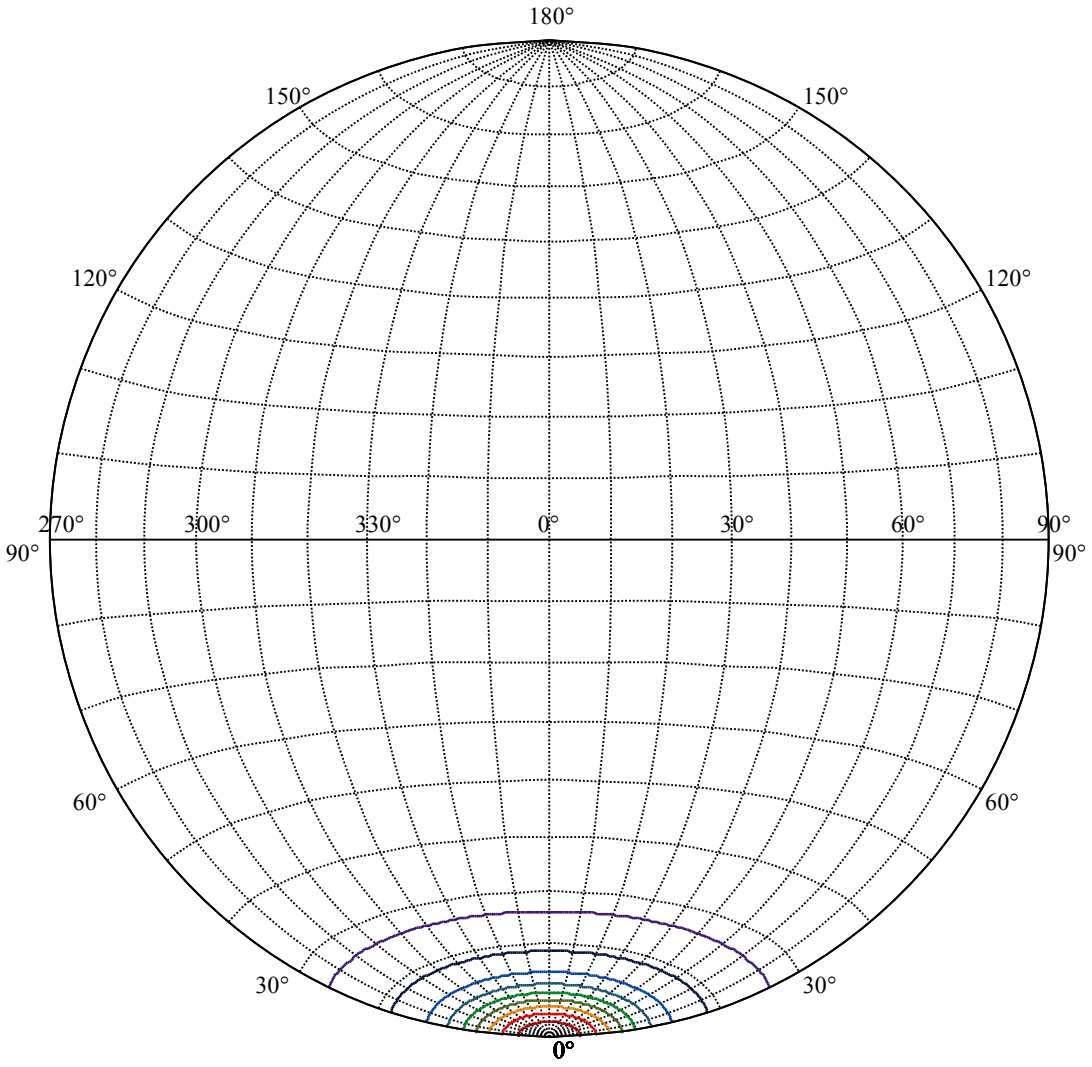
(10%Imax) 1291.84
(20%Imax) 2583.68
(30%Imax) 3875.52
(40%Imax) 5167.36
(50%Imax) 6459.2
(60%Imax) 7751.03
(70%Imax) 9042.87
(80%Imax) 10334.7
(90%Imax) 11626.6

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/14
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO candela diagram on circular web

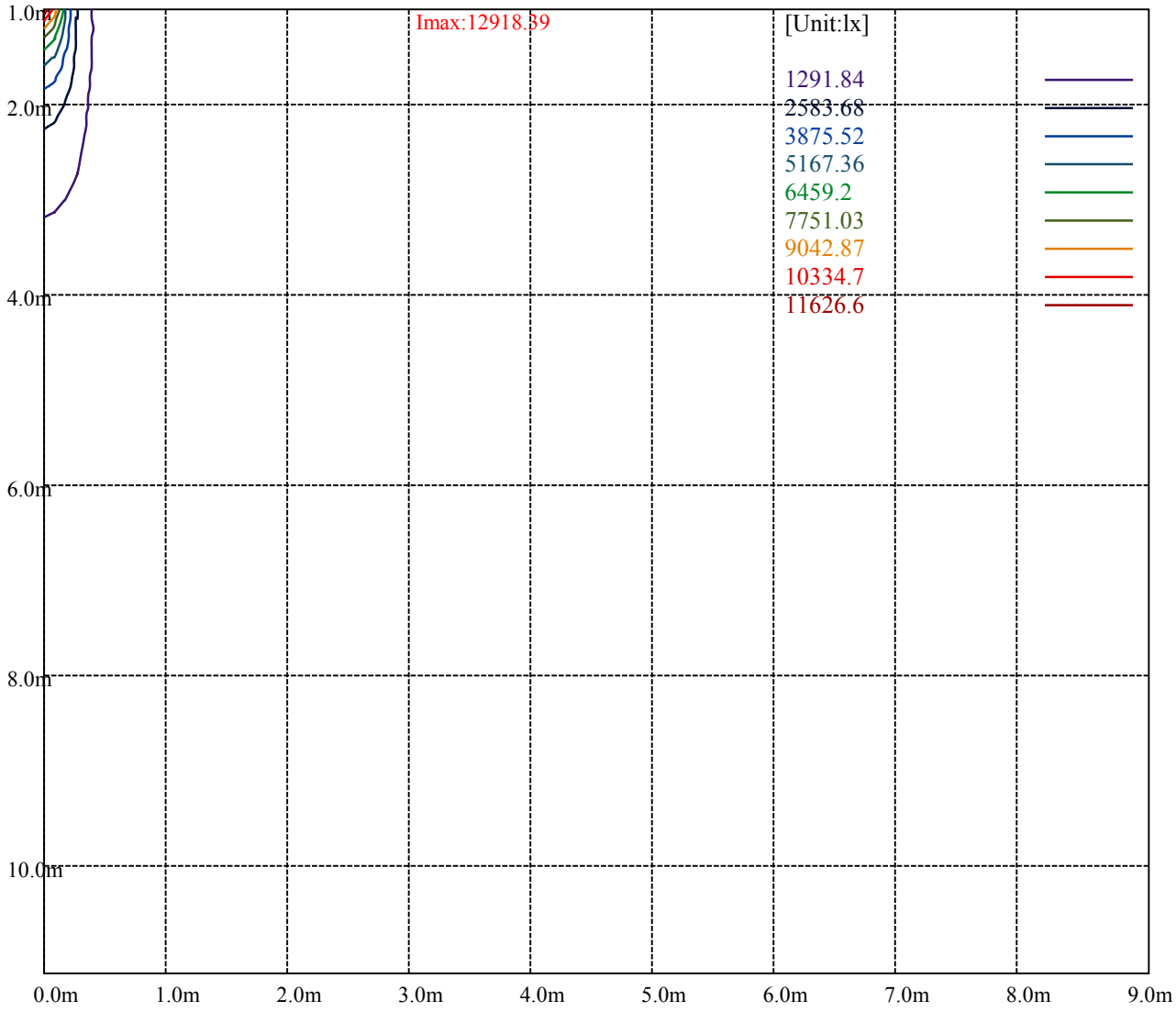


House [Unit:cd] Road

Imax:12918.39

(10%Imax) 1291.84
(20%Imax) 2583.68
(30%Imax) 3875.52
(40%Imax) 5167.36
(50%Imax) 6459.2
(60%Imax) 7751.03
(70%Imax) 9042.87
(80%Imax) 10334.7
(90%Imax) 11626.6

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/14
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Nata 2-2748-L

Luminance Limitting Curve(no luminous side)

Luminance Table

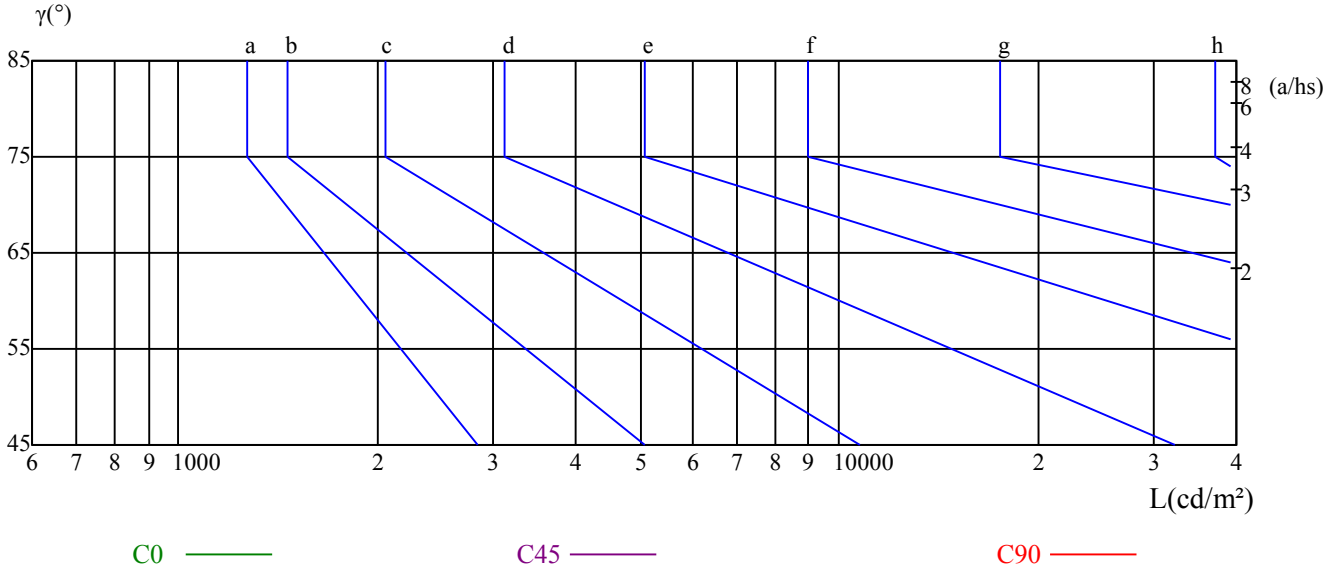
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

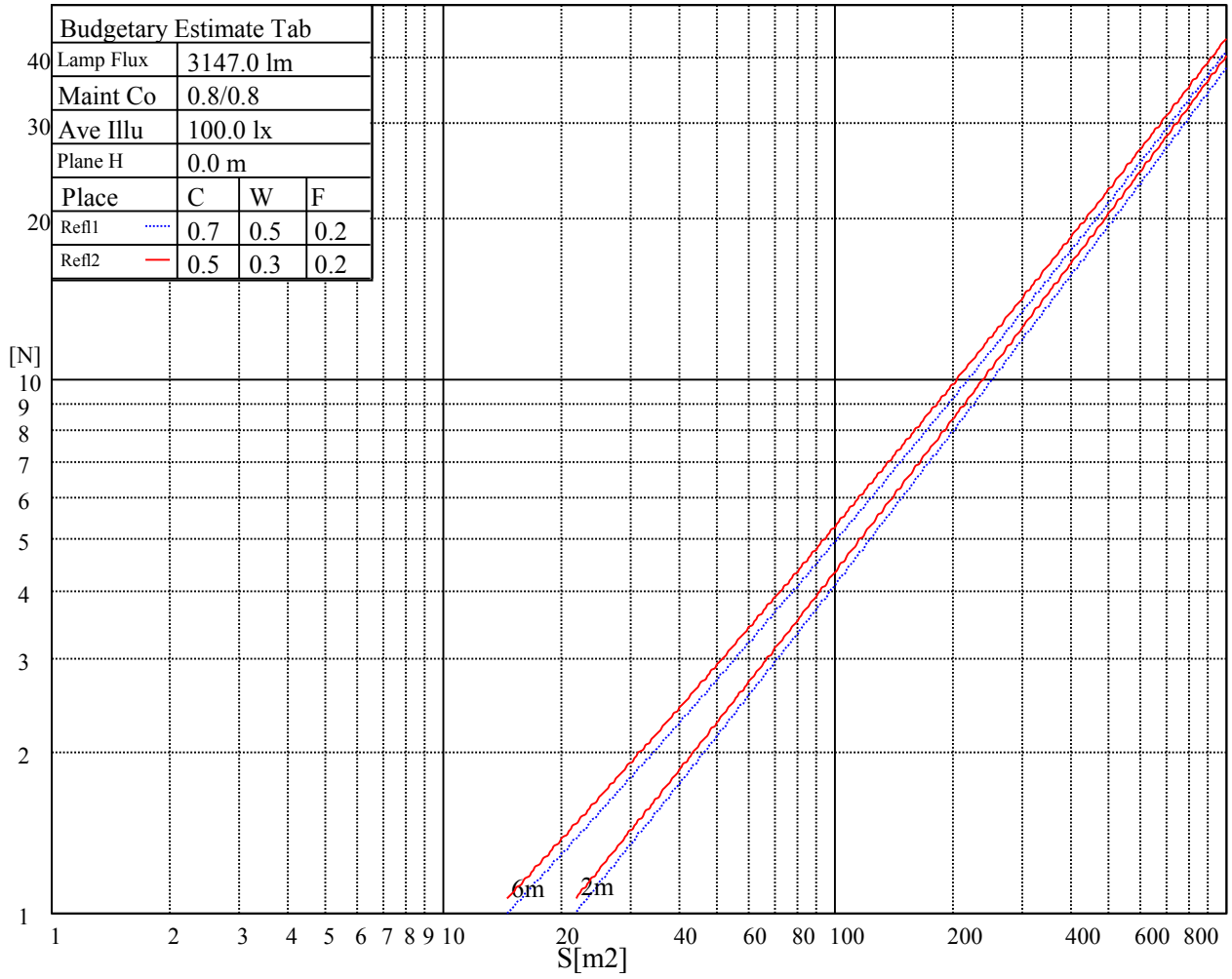
Date: 2024/8/14
Humidity(%): 60.0%

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

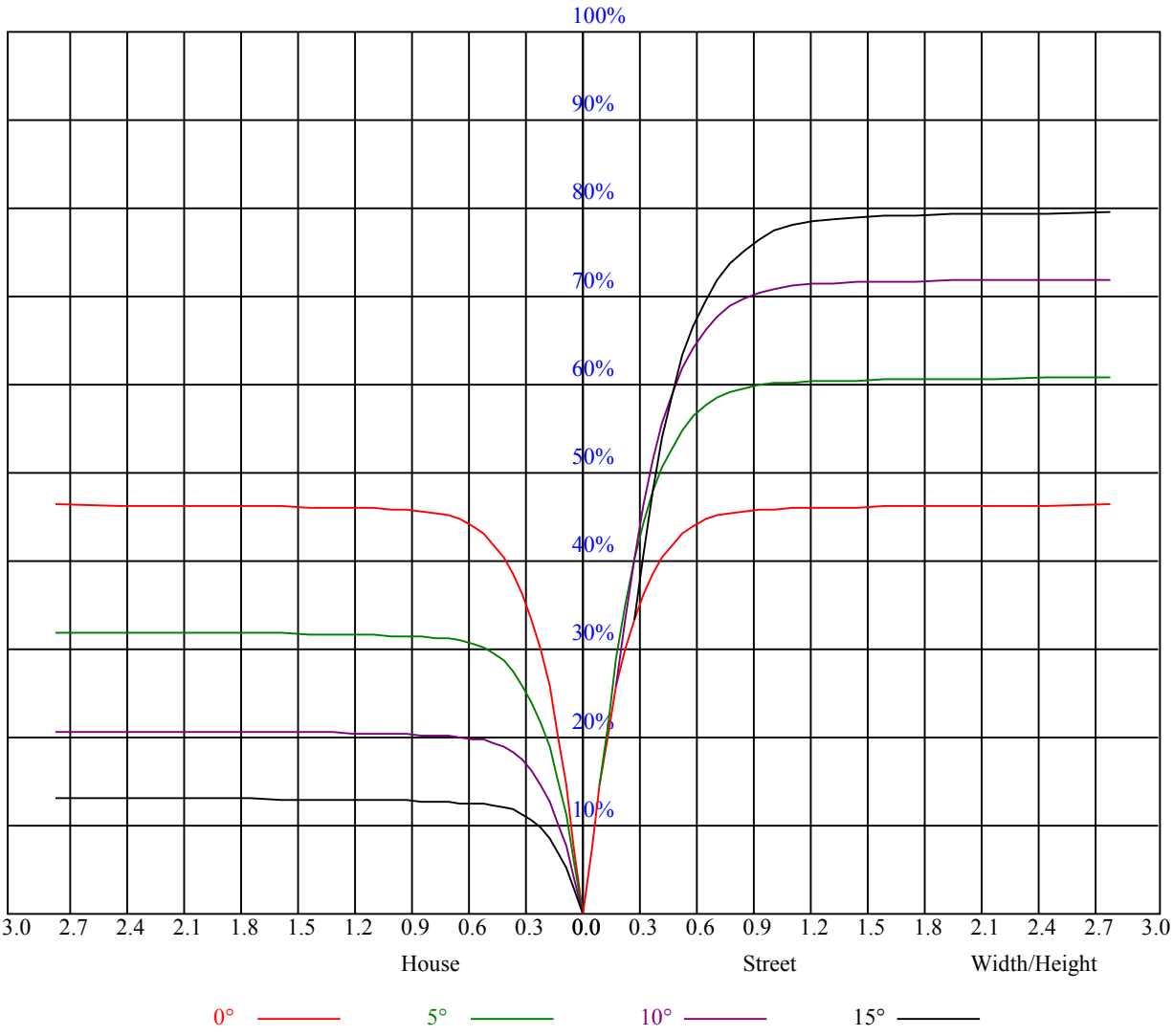
Date: 2024/8/14
Humidity(%): 60.0%

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	1.11	1.11	1.11	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.02	1.00	1.02	1.00	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89
2	0.99	0.95	0.93	0.97	0.94	0.92	0.94	0.92	0.90	0.91	0.90	0.88	0.89	0.87	0.86	0.85
3	0.94	0.90	0.87	0.92	0.89	0.86	0.90	0.87	0.85	0.88	0.86	0.84	0.86	0.84	0.82	0.81
4	0.89	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.78
5	0.85	0.81	0.78	0.84	0.80	0.77	0.83	0.79	0.77	0.82	0.79	0.76	0.80	0.78	0.76	0.74
6	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.74	0.79	0.75	0.73	0.77	0.75	0.73	0.71
7	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
8	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.73	0.70	0.67	0.66
9	0.73	0.69	0.66	0.73	0.68	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.64
10	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.62

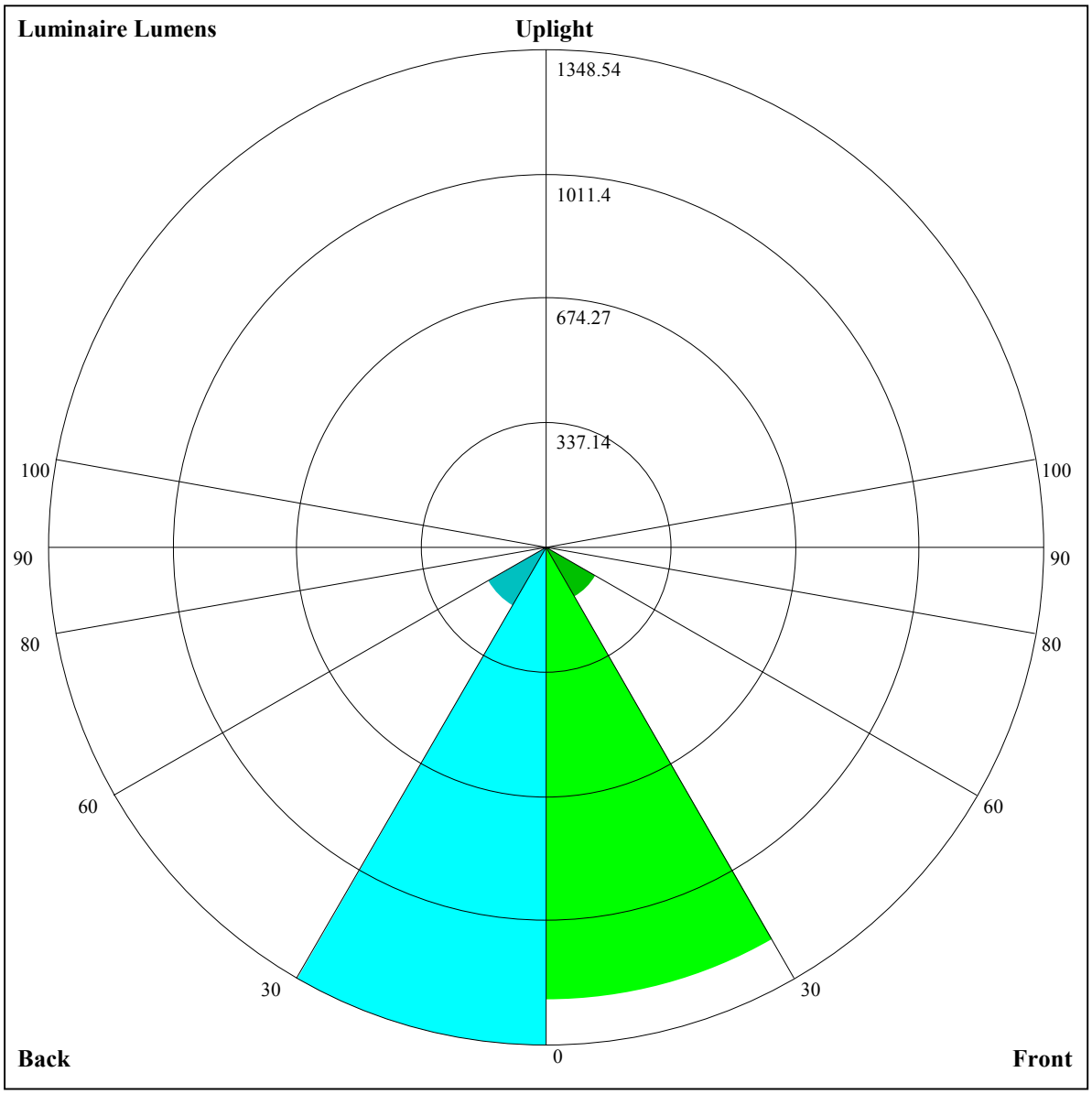
Coefficient Utilization Curve



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/14
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25



Luminaire Lumens:
FL=1225.84,FM=155.73,FH=11.04,FVH=1.18
BL=1348.54,BM=182.65,BH=12.18,BVH=1.29
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	12823.67	12472.66	10912.34	10912.34	10391.40	9451.42	8465.24	7695.83	6609.89
45.0	13057.68	12790.24	12361.23	11753.92	10996.18	10082.43	9096.26	8093.36	7135.04
90.0	12756.81	12299.94	10849.37	10849.37	9937.31	9151.71	7937.10	6977.09	6271.18
135.0	13035.39	12918.39	12673.24	12116.08	11436.34	10812.32	9725.85	8951.39	7981.93
180.0	12823.67	12996.39	12974.11	12762.39	12366.80	11798.49	11375.05	10216.15	9664.56
225.0	13057.68	13113.40	12996.39	12678.81	12299.94	10911.19	10911.19	10019.78	9075.91
270.0	12756.81	13040.97	13141.26	13040.97	12767.96	12522.81	11698.20	10923.75	10394.44
315.0	13035.39	12979.68	12734.53	12288.80	10635.39	10635.39	10082.70	9139.46	8161.59
360.0	12823.67	12472.66	10912.34	10912.34	10391.40	9451.42	8465.24	7695.83	6609.89

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5801.48	5230.91	4621.40	4123.84	3712.65	3347.18	3017.88	2734.30	2493.62
45.0	6249.16	5480.27	4811.68	4254.51	3803.21	3402.06	3073.33	2794.75	2794.75
90.0	5345.13	4808.05	4249.78	3804.58	3426.29	3091.41	2801.69	2548.18	2329.25
135.0	7018.04	6165.58	5396.70	4744.82	4204.37	3758.64	3374.20	3051.04	2755.75
180.0	8717.39	7380.20	6850.89	6037.43	5324.27	4689.10	4176.51	3741.92	3363.05
225.0	8127.63	7225.56	6369.21	5599.80	4938.98	4371.26	3903.76	3504.87	3154.96
270.0	9101.83	8516.81	7569.63	6689.31	5881.43	5173.83	4566.52	4070.65	3647.21
315.0	7222.77	6361.95	5893.41	4917.80	4347.29	4064.24	3503.71	3287.57	2961.06
360.0	5801.48	5230.91	4621.40	4123.84	3712.65	3347.18	3017.88	2734.30	2493.62

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2291.88	2100.82	1921.95	1763.16	1619.98	1483.47	1353.06	1071.22	1071.22
45.0	2744.60	2253.46	2066.81	1896.30	1734.72	1591.01	1452.25	1323.00	1196.53
90.0	2135.88	1959.27	1796.59	1655.61	1520.79	1392.64	1095.56	1071.01	1071.01
135.0	2755.75	2556.01	2195.54	1949.81	1855.67	1710.23	1576.51	1446.68	1316.32
180.0	3034.33	2794.75	2794.75	2262.40	2079.64	1977.66	1753.70	1611.04	1534.14
225.0	2847.42	2587.18	2364.89	2250.67	2004.42	1908.02	1756.48	1613.83	1480.69
270.0	3273.91	2950.75	2839.32	2592.22	2219.45	2044.52	1872.38	1779.87	1635.59
315.0	2681.90	2446.78	2246.21	2063.45	1893.51	1741.45	1596.01	1459.50	1330.25
360.0	2291.88	2100.82	1921.95	1763.16	1619.98	1483.47	1353.06	1071.22	1071.22

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1046.78	926.20	808.10	687.41	571.20	473.12	392.12	326.26	269.59
45.0	1079.53	956.37	833.27	708.44	592.01	490.04	404.26	348.54	290.57
90.0	898.40	825.86	702.34	587.07	486.73	406.41	339.97	283.15	234.22
135.0	1194.27	1072.85	948.60	826.55	702.87	587.54	482.79	397.53	331.25
180.0	1405.99	1283.42	1162.00	1045.00	926.31	806.52	685.63	572.51	471.64
225.0	1355.32	1077.69	1077.69	982.87	862.55	742.34	624.23	517.27	428.07
270.0	1452.25	1374.82	1256.14	1138.03	1020.45	906.81	787.02	667.75	554.69
315.0	1075.06	1075.06	1002.95	840.58	771.30	654.61	547.12	450.78	375.51
360.0	1046.78	926.20	808.10	687.41	571.20	473.12	392.12	326.26	269.59

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	222.23	182.08	148.80	121.52	98.98	80.95	66.86	55.66	47.20
45.0	290.57	198.42	163.26	133.30	109.12	89.15	72.90	60.45	50.67
90.0	193.75	159.37	131.09	107.60	88.09	72.43	60.29	50.93	44.05
135.0	287.25	287.25	199.79	164.99	136.72	112.75	93.35	77.53	64.55
180.0	390.33	325.68	291.67	291.67	186.18	158.90	125.41	107.02	87.78
225.0	383.34	298.19	267.33	222.50	183.86	151.27	124.47	102.34	84.42
270.0	456.03	379.71	317.32	295.03	295.03	181.18	149.17	126.94	100.66
315.0	314.06	262.44	218.98	180.76	149.12	122.26	100.55	82.94	68.96
360.0	222.23	182.08	148.80	121.52	98.98	80.95	66.86	55.66	47.20

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	40.84	36.85	32.90	30.96	28.75	26.54	25.91	25.23	24.49
45.0	43.68	38.42	34.74	32.96	29.65	27.49	26.75	25.91	25.07
90.0	38.90	35.22	32.85	29.80	28.17	26.96	26.02	25.07	24.91
135.0	54.82	47.31	41.68	37.48	34.32	31.48	29.28	28.07	26.96
180.0	72.17	59.87	50.51	43.78	38.63	35.11	32.38	29.96	28.17
225.0	70.12	58.55	49.88	43.52	38.69	35.37	32.54	30.12	28.70
270.0	85.94	71.17	59.13	50.30	43.89	39.05	35.58	32.85	30.38
315.0	57.56	48.78	42.37	37.63	34.48	32.69	29.28	28.33	27.23
360.0	40.84	36.85	32.90	30.96	28.75	26.54	25.91	25.23	24.49

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	24.65	25.02	25.02	25.07	25.28	24.81	23.50	22.39	20.18
45.0	24.60	24.70	24.70	24.60	24.81	24.60	23.71	22.71	21.39
90.0	24.70	24.60	24.60	24.60	24.02	22.97	21.76	19.82	17.29
135.0	26.07	25.97	26.12	26.07	26.02	26.07	25.97	24.97	23.44
180.0	27.12	26.18	25.55	25.70	26.07	26.02	26.12	26.23	26.07
225.0	28.02	26.54	26.18	26.28	26.12	25.91	25.97	25.65	25.07
270.0	28.75	27.81	26.91	26.75	26.91	26.81	26.49	26.54	26.44
315.0	26.28	25.76	26.02	26.18	26.12	26.12	26.12	25.28	23.71
360.0	24.65	25.02	25.02	25.07	25.28	24.81	23.50	22.39	20.18

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.29	15.09	12.88	11.09	10.35	8.88	8.09	7.73	6.99
45.0	18.87	16.29	14.30	12.25	10.72	9.62	8.83	7.99	7.41
90.0	15.24	13.14	11.41	10.20	9.20	8.62	7.67	7.36	6.83
135.0	21.60	18.82	16.24	14.09	11.93	10.51	9.46	8.57	7.83
180.0	24.44	23.60	21.66	18.82	16.24	13.82	11.72	10.35	9.25
225.0	23.71	22.34	19.76	16.87	14.56	12.35	10.72	9.62	8.67
270.0	25.91	24.28	21.92	20.18	17.14	14.98	12.83	11.09	9.93
315.0	22.23	19.76	16.82	14.56	12.46	10.78	9.57	8.62	7.99
360.0	17.29	15.09	12.88	11.09	10.35	8.88	8.09	7.73	6.99

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.73	6.25	5.78	5.47	5.10	4.73	4.26	3.84	3.42
45.0	6.94	6.52	6.10	5.73	5.41	4.94	4.57	4.15	3.68
90.0	6.20	5.94	5.62	5.20	4.78	4.47	4.05	3.63	3.15
135.0	7.31	6.78	6.25	5.83	5.62	5.20	4.78	4.47	3.99
180.0	8.41	7.73	7.10	6.57	6.10	5.73	5.31	4.94	4.52
225.0	7.88	7.36	6.78	6.41	5.83	5.52	5.20	4.68	4.31
270.0	8.99	8.25	7.57	7.04	6.57	6.04	5.68	5.31	4.89
315.0	7.36	6.89	6.41	5.94	5.62	5.26	4.84	4.36	3.99
360.0	6.73	6.25	5.78	5.47	5.10	4.73	4.26	3.84	3.42

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.05	2.68	2.31	1.94	1.68	1.47	1.31	1.10	0.95
45.0	3.26	2.94	2.47	2.16	1.89	1.68	1.37	1.16	0.95
90.0	2.84	2.47	2.16	1.89	1.68	1.47	1.26	1.05	1.05
135.0	3.57	3.10	2.73	2.31	1.94	1.68	1.37	1.21	1.00
180.0	4.10	3.73	3.15	2.89	2.42	2.05	1.79	1.47	1.31
225.0	3.89	3.47	3.15	2.73	2.31	1.94	1.68	1.37	1.16
270.0	4.47	3.99	3.47	3.10	2.63	2.26	2.00	1.68	1.42
315.0	3.68	3.15	2.79	2.42	2.10	1.84	1.52	1.31	1.10
360.0	3.05	2.68	2.31	1.94	1.68	1.47	1.31	1.10	0.95

Intensity data(cd)

C/γ(°)	90.0
0.0	0.89
45.0	0.89
90.0	1.05
135.0	0.84
180.0	1.05
225.0	1.10
270.0	1.21
315.0	1.00
360.0	0.89