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Address:Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

Nata

Client:
LumCAT: 2-2752-L
Luminaire: 92.70.412.00
Report No: 2024814-B015
Ballast type: AC
Test No: 2024814-C015
LampCAT: LUMINUS CXM-14-AC40
Lamp flux(lm): 3147.0
Number of Lamps: 1
Length(mm): 0
Phm Type: C

Voltage(V): 34.650
Current(A): 0.694
Power (W): 24.040
PF: 0.000
Width(mm): 0
Height(mm): 0

Photometric Results

Lumens(lm): 2915.16, Efficiency(%): 92.63% , Luminous Efficacy(lm/W): 121.26
Central intensity(cd): 10377.310, Maximum intensity(cd): 10377.310
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=25.2
[C90/270]Total=25.2
Field angle(10%Imax): [C0/180]Total=56.2
[C90/270]Total=56.2
Maximum s/h(1/2): C0_180=0.42 C90_270=0.42
Maximum s/h(1/4): C0_180=0.45 C90_270=0.45
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.63%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.208%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	10377.309	0.000	0	0.00%	0.00%
1.0	10325.844	9.906	9.906	0.31%	0.34%
2.0	10185.712	29.440	39.346	0.94%	1.35%
3.0	9920.094	48.086	87.433	1.53%	3.00%
4.0	9604.660	65.356	152.788	2.08%	5.24%
5.0	9223.562	80.998	233.786	2.57%	8.02%
6.0	8762.924	94.524	328.31	3.00%	11.26%
7.0	8272.280	105.737	434.047	3.36%	14.89%
8.0	7739.703	114.595	548.642	3.64%	18.82%
9.0	7214.164	121.193	669.835	3.85%	22.98%
10.0	6618.683	125.182	795.017	3.98%	27.27%
11.0	6112.927	127.215	922.232	4.04%	31.64%
12.0	5519.476	127.159	1049.391	4.04%	36.00%
13.0	4971.709	124.504	1173.895	3.96%	40.27%
14.0	4479.186	120.971	1294.866	3.84%	44.42%
15.0	3981.715	116.155	1411.021	3.69%	48.40%
16.0	3538.409	110.191	1521.211	3.50%	52.18%
17.0	3166.720	104.417	1625.628	3.32%	55.76%
18.0	2826.916	98.822	1724.45	3.14%	59.15%
19.0	2508.572	92.827	1817.277	2.95%	62.34%
20.0	2267.389	87.413	1904.69	2.78%	65.34%
21.0	2048.505	82.874	1987.564	2.63%	68.18%
22.0	1863.098	78.605	2066.169	2.50%	70.88%
23.0	1703.537	74.838	2141.007	2.38%	73.44%
24.0	1548.997	71.112	2212.119	2.26%	75.88%
25.0	1380.291	66.606	2278.725	2.12%	78.17%
26.0	1298.182	63.226	2341.95	2.01%	80.34%
27.0	1148.642	59.862	2401.812	1.90%	82.39%
28.0	1049.312	55.648	2457.46	1.77%	84.30%
29.0	952.097	52.363	2509.822	1.66%	86.10%
30.0	834.929	48.249	2558.072	1.53%	87.75%
31.0	728.135	43.498	2601.57	1.38%	89.24%
32.0	627.340	38.833	2640.402	1.23%	90.57%
33.0	527.642	34.026	2674.429	1.08%	91.74%
34.0	441.670	29.334	2703.763	0.93%	92.75%
35.0	375.487	25.378	2729.141	0.81%	93.62%
36.0	318.568	22.099	2751.24	0.70%	94.38%
37.0	270.066	19.198	2770.438	0.61%	95.04%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	221.912	16.422	2786.859	0.52%	95.60%
39.0	194.172	14.202	2801.061	0.45%	96.09%
40.0	159.422	12.332	2813.393	0.39%	96.51%
41.0	125.920	10.161	2823.554	0.32%	96.86%
42.0	102.996	8.317	2831.871	0.26%	97.14%
43.0	87.602	7.060	2838.931	0.22%	97.39%
44.0	72.490	6.042	2844.974	0.19%	97.59%
45.0	61.833	5.162	2850.136	0.16%	97.77%
46.0	52.477	4.470	2854.606	0.14%	97.92%
47.0	45.946	3.915	2858.521	0.12%	98.06%
48.0	40.926	3.512	2862.033	0.11%	98.18%
49.0	37.273	3.211	2865.244	0.10%	98.29%
50.0	34.481	2.992	2868.236	0.10%	98.39%
51.0	32.103	2.817	2871.053	0.09%	98.49%
52.0	30.368	2.681	2873.734	0.09%	98.58%
53.0	28.903	2.578	2876.312	0.08%	98.67%
54.0	27.530	2.487	2878.799	0.08%	98.75%
55.0	26.334	2.404	2881.203	0.08%	98.84%
56.0	25.283	2.332	2883.536	0.07%	98.92%
57.0	24.166	2.261	2885.797	0.07%	98.99%
58.0	22.891	2.176	2887.973	0.07%	99.07%
59.0	21.846	2.091	2890.064	0.07%	99.14%
60.0	20.611	2.006	2892.07	0.06%	99.21%
61.0	19.323	1.906	2893.976	0.06%	99.27%
62.0	18.029	1.800	2895.776	0.06%	99.34%
63.0	16.689	1.688	2897.464	0.05%	99.39%
64.0	15.618	1.585	2899.05	0.05%	99.45%
65.0	14.448	1.488	2900.537	0.05%	99.50%
66.0	13.325	1.386	2901.923	0.04%	99.55%
67.0	12.254	1.286	2903.209	0.04%	99.59%
68.0	11.222	1.189	2904.398	0.04%	99.63%
69.0	10.296	1.098	2905.496	0.03%	99.67%
70.0	9.428	1.013	2906.509	0.03%	99.70%
71.0	8.601	0.932	2907.441	0.03%	99.74%
72.0	7.746	0.850	2908.291	0.03%	99.76%
73.0	7.037	0.773	2909.064	0.02%	99.79%
74.0	6.439	0.708	2909.773	0.02%	99.82%
75.0	5.926	0.653	2910.426	0.02%	99.84%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.388	0.601	2911.026	0.02%	99.86%
77.0	4.901	0.549	2911.575	0.02%	99.88%
78.0	4.488	0.503	2912.078	0.02%	99.89%
79.0	4.047	0.459	2912.536	0.01%	99.91%
80.0	3.666	0.416	2912.952	0.01%	99.92%
81.0	3.265	0.375	2913.327	0.01%	99.94%
82.0	2.898	0.334	2913.661	0.01%	99.95%
83.0	2.549	0.296	2913.957	0.01%	99.96%
84.0	2.227	0.260	2914.217	0.01%	99.97%
85.0	1.905	0.226	2914.443	0.01%	99.98%
86.0	1.649	0.194	2914.637	0.01%	99.98%
87.0	1.380	0.166	2914.803	0.01%	99.99%
88.0	1.156	0.139	2914.942	0.00%	99.99%
89.0	0.959	0.116	2915.058	0.00%	100.00%
90.0	0.887	0.101	2915.159	0.00%	100.00%

Zonal flux distribution table

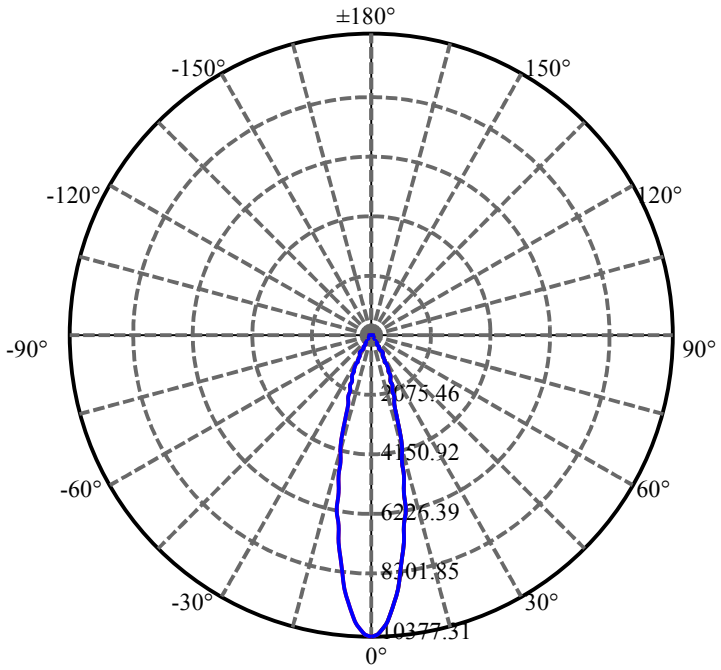
ZONAL LUMEN SUMMARY

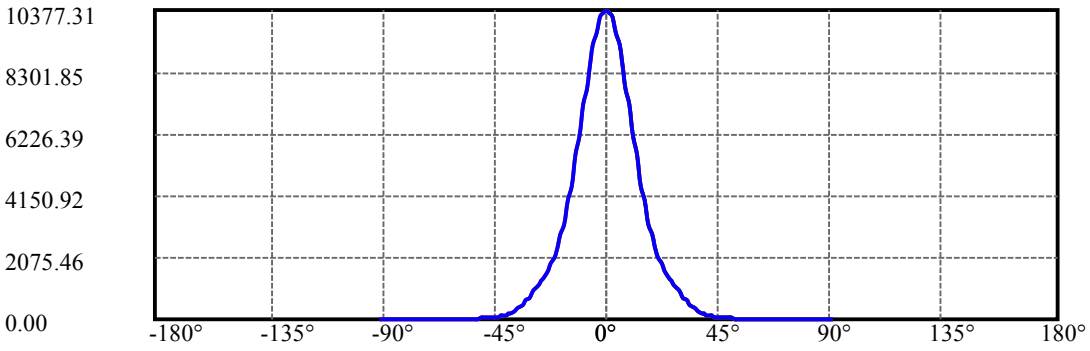
Zone	Lumens	%Lamp	%Fixt
0-30	2558.07	81.29%	87.75%
0-40	2813.39	89.40%	96.51%
0-60	2892.07	91.90%	99.21%
0-90	2915.06	92.63%	100.00%
0-120	2915.06	92.63%	100.00%
0-180	2915.16	92.63%	100.00%
60-90	22.99	0.73%	0.79%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.84	2332.13	74.11%	80.00%

ZONAL LUMEN SUMMARY

0-10	795.02
10-20	1109.67
20-30	653.38
30-40	255.32
40-50	54.84
50-60	23.83
60-70	14.44
70-80	6.44
80-90	2.11
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:28.1 Right:28.1
:C90/270Left:28.1 Right:28.1

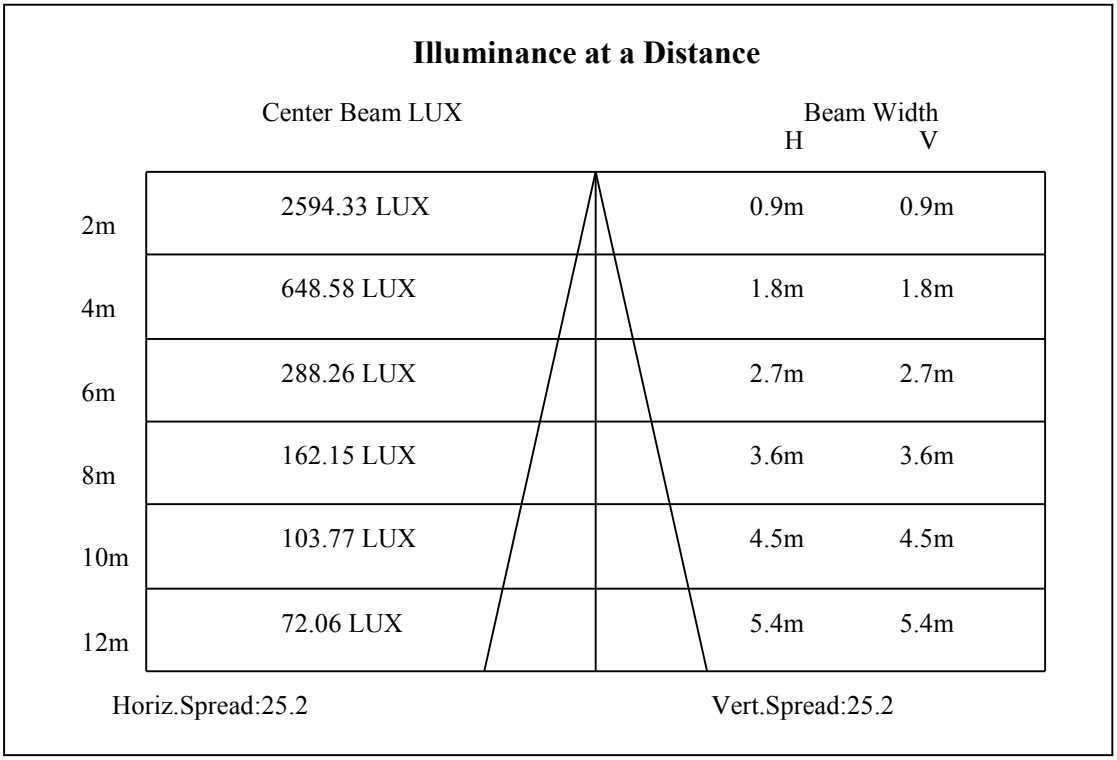
Beam Angle(50%Imax):C0/180Left:12.6 Right:12.6
:C90/270Left:12.6 Right:12.6

Equipment: GMS 1800
Temperature(°C): 25.0

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

Operator: NT
Distance(m): 7.25

Lux distance Curve

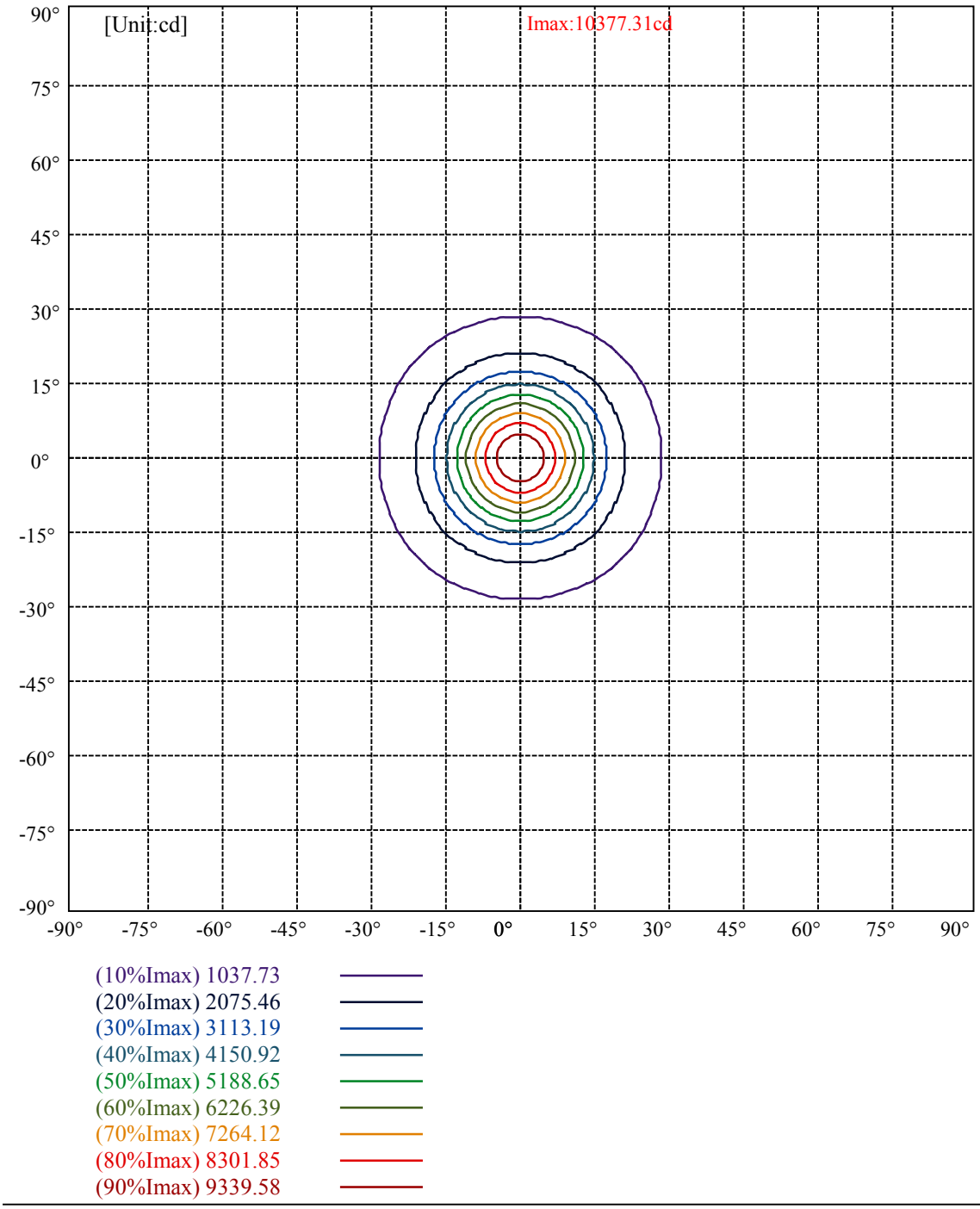


Equipment: GMS 1800
Temperature(°C): 25.0

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

Operator: NT
Distance(m): 7.25

ISO-Intensity(V-H)



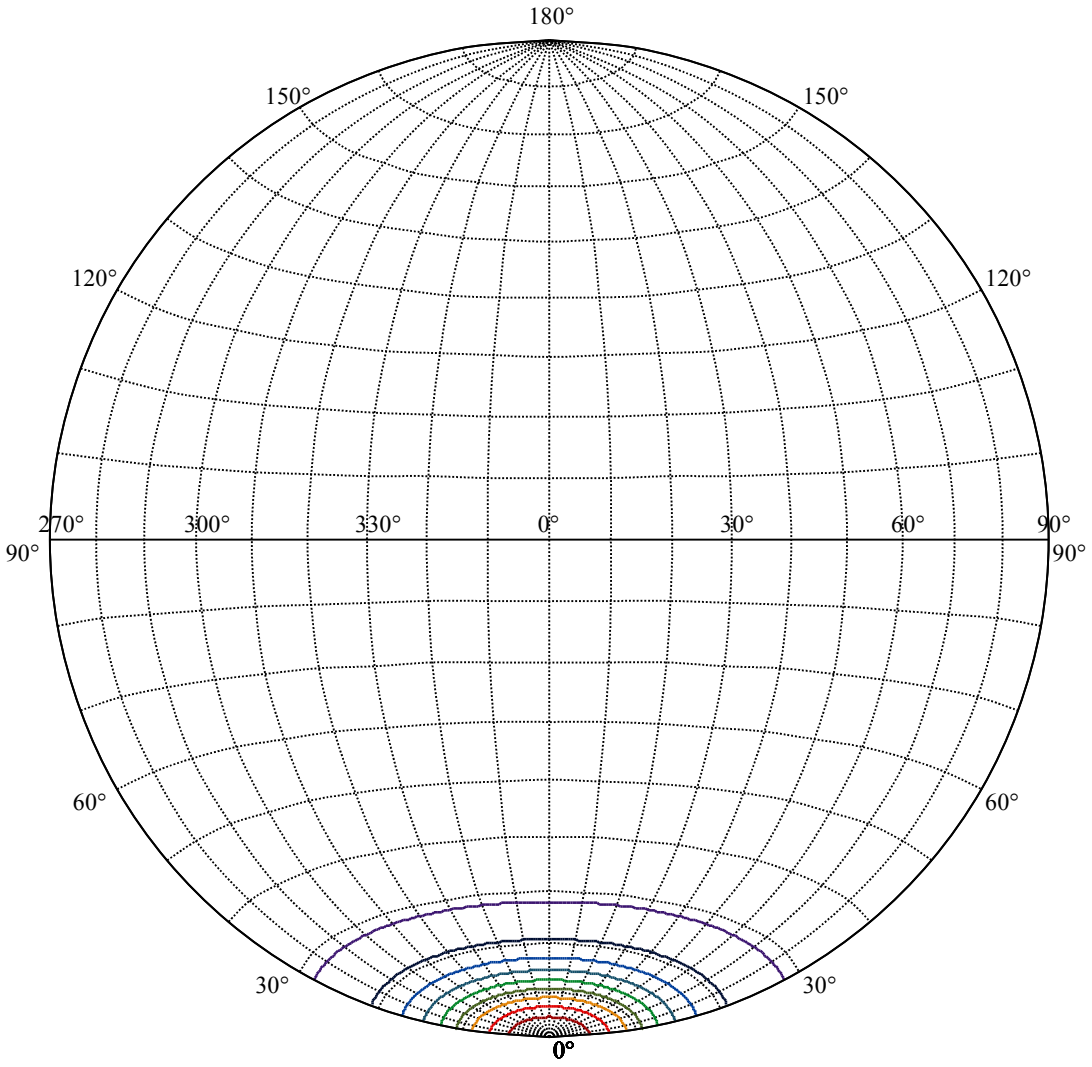
(10%Imax) 1037.73
(20%Imax) 2075.46
(30%Imax) 3113.19
(40%Imax) 4150.92
(50%Imax) 5188.65
(60%Imax) 6226.39
(70%Imax) 7264.12
(80%Imax) 8301.85
(90%Imax) 9339.58

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:10377.31

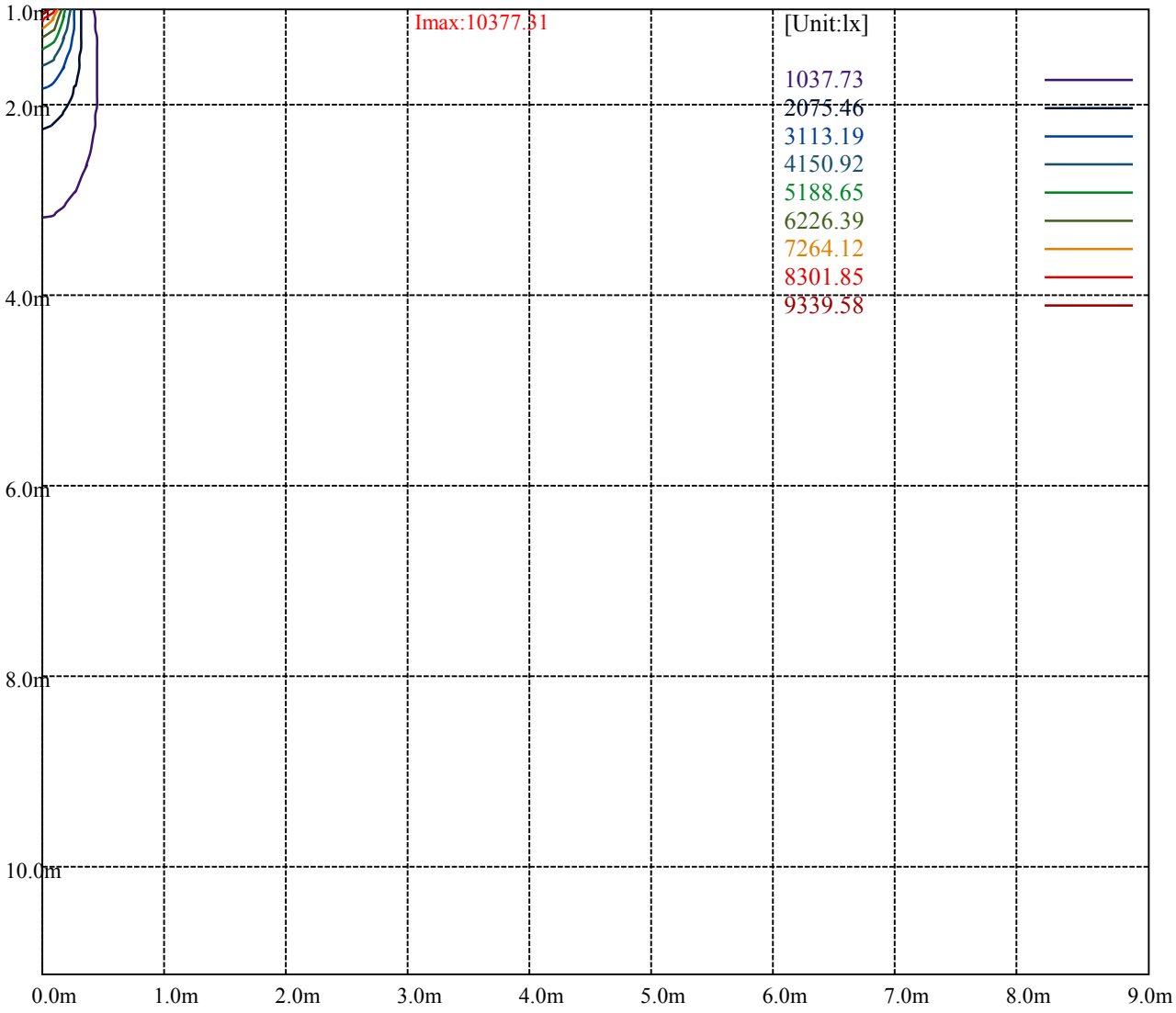
(10%Imax) 1037.73
(20%Imax) 2075.46
(30%Imax) 3113.19
(40%Imax) 4150.92
(50%Imax) 5188.65
(60%Imax) 6226.39
(70%Imax) 7264.12
(80%Imax) 8301.85
(90%Imax) 9339.58

Equipment: GMS 1800
Temperature(°C): 25.0

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

Operator: NT
Distance(m): 7.25

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 2-2752-L

Luminance Limitting Curve(no luminous side)

Luminance Table

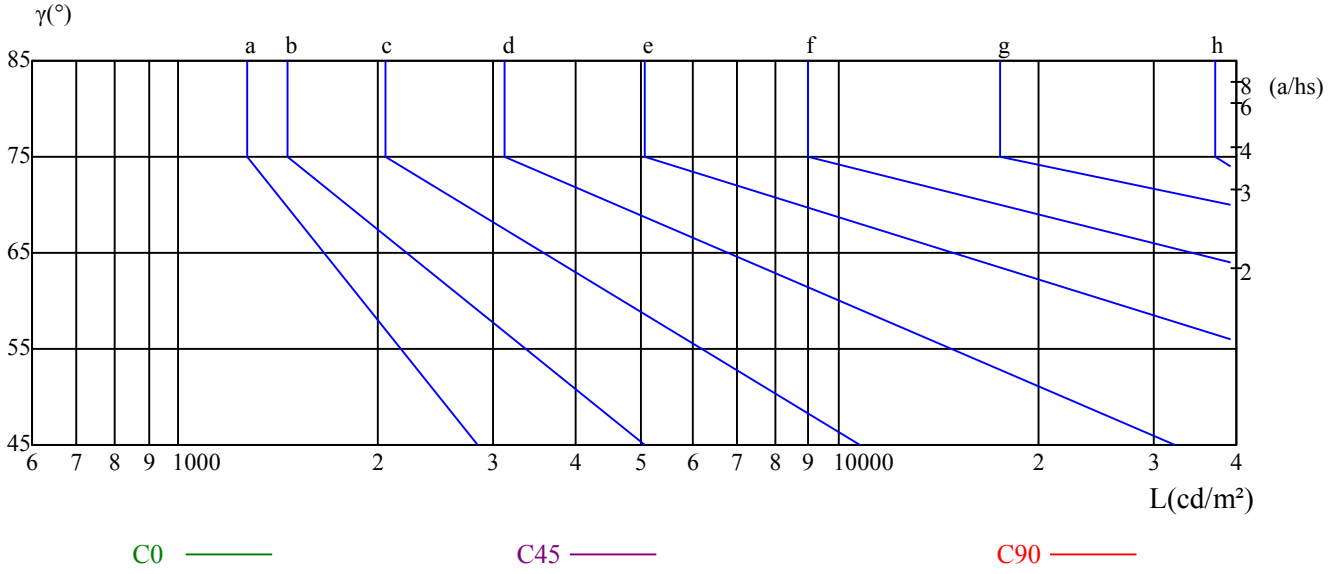
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

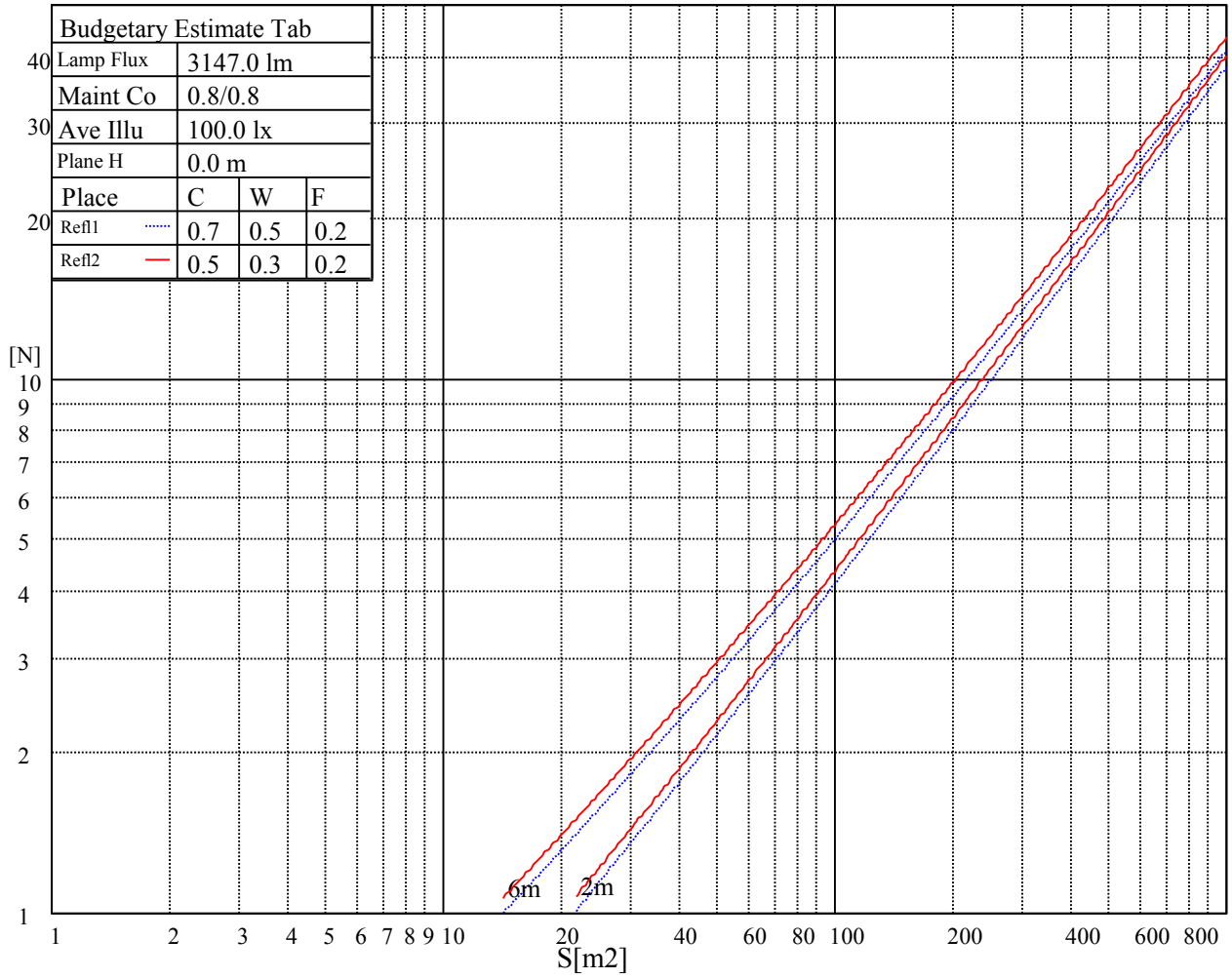
Date: 2024/8/14
Humidity(%): 60.0%

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

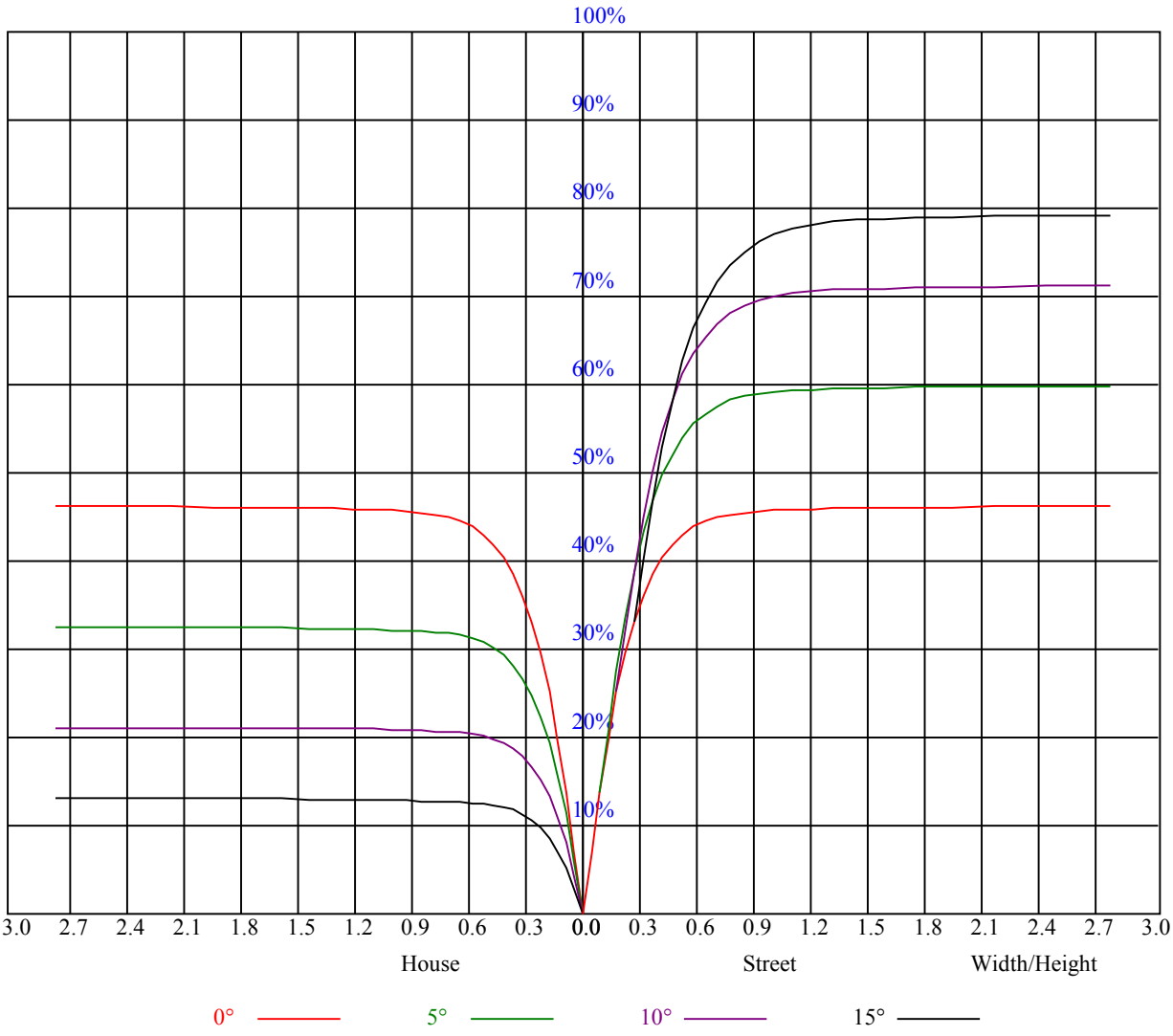
Date: 2024/8/14
Humidity(%): 60.0%

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	1.10	1.10	1.10	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	0.98	0.97	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.88
2	0.98	0.95	0.92	0.97	0.94	0.91	0.94	0.91	0.89	0.91	0.89	0.88	0.88	0.87	0.86	0.84
3	0.93	0.89	0.86	0.92	0.88	0.86	0.90	0.87	0.84	0.87	0.85	0.83	0.85	0.83	0.82	0.80
4	0.89	0.85	0.81	0.88	0.84	0.81	0.86	0.83	0.80	0.84	0.81	0.79	0.82	0.80	0.78	0.77
5	0.85	0.80	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.78	0.76	0.80	0.77	0.75	0.74
6	0.81	0.77	0.74	0.80	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.71
7	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.68
8	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.66
9	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.70	0.66	0.64	0.63
10	0.70	0.65	0.62	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.61

Coefficient Utilization Curve

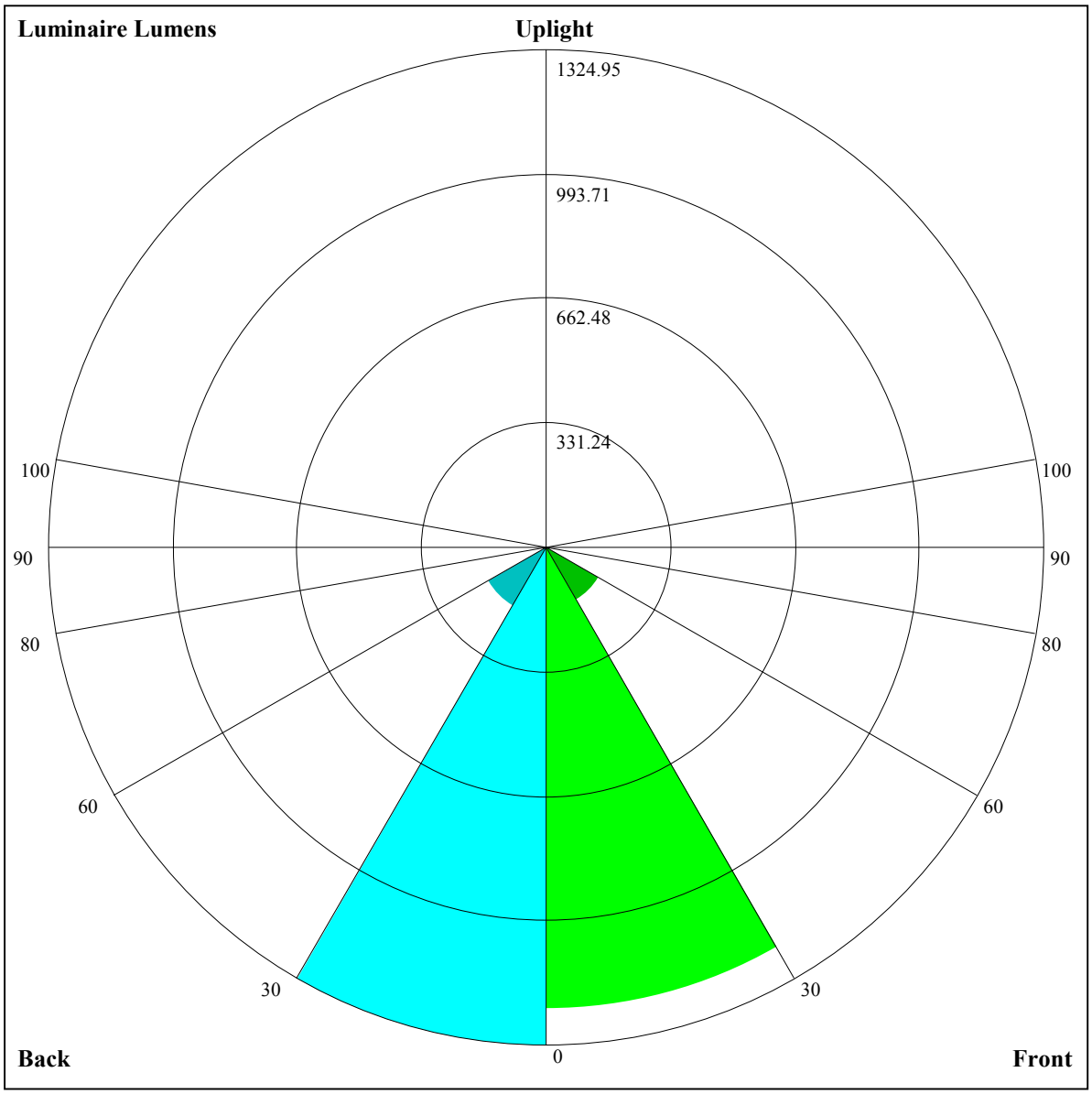


Equipment: GMS 1800
Temperature(°C): 25.0

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

Operator: NT
Distance(m): 7.25

LCS Graph



Luminaire Lumens:

FL=1228.6,FM=159.78,FH=10.2,FVH=1.06

BL=1324.95,BM=179.8,BH=10.73,BVH=1.17

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	10259.88	10075.50	9788.50	9429.71	8977.83	8481.96	7963.80	7435.07	6876.80
45.0	10426.46	10254.31	10104.98	9612.47	9360.07	8910.97	8398.38	7886.95	7355.39
90.0	10334.00	10092.16	9756.23	9343.35	8893.73	8406.22	7893.63	7336.99	6738.09
135.0	10488.90	10390.24	10202.49	9899.41	9519.96	9099.88	8824.09	8137.67	7577.73
180.0	10259.88	10346.82	10324.54	10210.32	9976.31	9785.19	9232.50	8973.42	8527.69
225.0	10426.46	10478.86	10425.35	10267.72	9986.88	9651.47	9233.02	8727.11	8217.31
270.0	10334.00	10478.86	10513.39	10449.32	10301.09	10034.81	9585.72	9237.49	8754.97
315.0	10488.90	10490.00	10370.21	10148.45	9821.41	9417.99	8972.26	8443.53	7869.66
360.0	10259.88	10075.50	9788.50	9429.71	8977.83	8481.96	7963.80	7435.07	6876.80

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6302.93	5730.73	5174.67	4647.05	4147.23	3684.26	3417.93	2885.26	2687.47
45.0	6778.20	6189.81	5647.16	5076.07	4534.46	4044.16	3561.69	3139.93	2792.80
90.0	6162.53	5590.28	5019.77	4488.78	3975.67	3512.07	3106.50	2755.48	2464.08
135.0	7240.06	6443.90	6101.24	5523.43	4961.27	4419.14	3923.27	3470.28	3071.38
180.0	8035.70	7503.03	6943.09	6374.78	5803.69	5235.96	4694.41	4186.24	3709.86
225.0	7661.83	7097.41	6539.14	5944.66	5395.28	4845.95	4302.14	3824.08	3473.65
270.0	8231.81	7681.33	7109.13	6522.43	5939.09	5389.18	4845.95	4328.31	3848.63
315.0	7300.25	6712.97	6369.21	5578.62	5016.99	4702.77	4001.85	3717.69	3285.89
360.0	6302.93	5730.73	5174.67	4647.05	4147.23	3684.26	3417.93	2885.26	2687.47

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2407.26	2087.41	1970.41	1797.16	1642.26	1500.71	1369.25	1087.78	1087.78
45.0	2494.14	2255.67	2040.63	1853.98	1697.98	1596.01	1399.90	1272.85	1198.21
90.0	2305.81	2080.74	1881.84	1713.59	1569.25	1436.11	1307.97	1068.28	1068.28
135.0	2731.52	2444.00	2196.64	1986.02	1809.94	1646.73	1505.18	1374.25	1246.68
180.0	3289.20	2925.42	2600.00	2330.36	2106.39	1907.44	1740.87	1594.33	1488.46
225.0	3064.13	2669.12	2450.15	2217.82	2007.73	1829.44	1673.43	1532.51	1400.42
270.0	3405.10	3018.45	2676.90	2394.43	2167.68	1967.62	1795.48	1646.15	1558.69
315.0	2918.16	2587.76	2322.53	2094.67	1903.55	1744.23	1599.90	1466.18	1336.93
360.0	2407.26	2087.41	1970.41	1797.16	1642.26	1500.71	1369.25	1087.78	1087.78

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	994.06	880.84	766.31	651.93	546.02	487.62	378.82	321.05	289.62
45.0	1082.31	973.09	862.24	742.45	630.43	527.94	437.69	369.15	310.64
90.0	954.64	843.42	733.19	621.81	516.48	430.38	375.56	306.44	265.55
135.0	1129.67	1014.35	896.77	803.73	691.20	580.87	483.36	403.10	338.50
180.0	1336.35	1215.46	1122.42	1010.41	896.77	781.97	667.23	558.00	463.29
225.0	1238.32	1087.10	1046.26	933.62	814.82	708.49	601.42	502.02	446.20
270.0	1371.46	1297.93	1178.71	1060.55	944.71	828.23	712.91	603.15	500.61
315.0	1082.31	1082.31	1010.88	854.93	784.65	673.22	564.15	470.43	389.49
360.0	994.06	880.84	766.31	651.93	546.02	487.62	378.82	321.05	289.62

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	243.63	189.12	168.94	139.29	114.80	95.14	78.90	65.81	56.03
45.0	290.57	241.52	175.09	147.33	121.84	108.65	83.21	74.53	62.65
90.0	222.18	177.66	152.43	125.68	104.13	86.47	71.96	60.50	52.25
135.0	282.79	282.79	195.43	161.00	132.46	109.28	90.35	74.59	62.08
180.0	388.07	324.00	290.57	290.57	182.76	149.59	121.95	108.49	88.83
225.0	376.29	315.48	262.50	215.77	178.92	148.65	121.31	100.50	82.73
270.0	415.93	351.85	296.72	277.74	277.74	175.45	145.39	124.78	99.45
315.0	329.09	278.11	233.64	196.01	162.73	134.14	110.91	91.62	75.90
360.0	243.63	189.12	168.94	139.29	114.80	95.14	78.90	65.81	56.03

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	48.78	43.36	39.16	36.16	33.90	31.85	29.91	28.33	27.75
45.0	53.93	47.36	42.26	38.42	35.80	33.85	31.75	29.91	28.49
90.0	45.99	41.26	37.53	34.85	32.75	30.85	29.22	27.91	26.81
135.0	56.29	46.15	42.94	38.58	34.48	33.27	31.33	29.70	28.23
180.0	73.01	60.60	51.25	44.47	39.37	35.74	33.17	31.22	29.65
225.0	68.28	56.93	48.57	42.47	38.16	34.85	32.43	30.38	28.80
270.0	85.15	70.59	59.13	50.93	44.57	39.58	36.27	33.85	31.70
315.0	63.23	53.56	46.73	41.52	39.16	35.85	32.75	31.64	29.80
360.0	48.78	43.36	39.16	36.16	33.90	31.85	29.91	28.33	27.75

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	26.39	25.18	24.28	22.86	21.87	20.81	19.24	17.56	16.40
45.0	27.33	26.28	24.97	23.50	22.39	21.87	20.18	18.50	17.40
90.0	25.86	24.60	23.34	22.71	21.03	20.34	18.71	17.19	16.14
135.0	27.07	26.18	25.23	24.07	22.71	21.81	20.76	19.34	17.71
180.0	28.23	27.02	26.18	25.23	24.02	22.65	21.71	20.81	19.76
225.0	27.23	26.07	25.23	24.13	22.92	21.60	20.76	19.71	18.29
270.0	29.75	28.17	26.96	25.76	24.65	23.34	22.13	21.29	19.92
315.0	28.38	27.17	26.07	25.07	23.55	22.34	21.39	20.18	18.61
360.0	26.39	25.18	24.28	22.86	21.87	20.81	19.24	17.56	16.40

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	15.45	14.35	12.93	11.77	10.99	10.14	9.20	8.09	7.41
45.0	15.93	15.40	14.19	12.62	11.72	10.78	9.93	8.83	7.94
90.0	15.09	13.93	12.56	11.56	10.78	9.83	8.73	7.88	7.25
135.0	16.61	15.45	14.35	13.30	11.93	11.04	10.30	9.36	8.36
180.0	18.24	16.82	15.98	14.77	13.88	12.51	11.41	10.78	9.93
225.0	16.93	15.82	14.88	13.77	12.40	11.35	10.62	9.88	8.88
270.0	18.29	17.29	15.72	15.14	14.14	12.83	11.62	10.88	10.14
315.0	16.98	15.87	14.98	13.67	12.19	11.30	10.57	9.72	8.88
360.0	15.45	14.35	12.93	11.77	10.99	10.14	9.20	8.09	7.41

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.78	6.25	5.73	5.10	4.73	4.31	3.94	3.47	3.10
45.0	7.31	6.73	6.10	5.52	5.05	4.68	4.15	3.78	3.31
90.0	6.68	6.04	5.52	5.20	4.63	4.15	3.94	3.36	3.10
135.0	7.57	6.89	6.36	5.78	5.20	4.78	4.31	3.99	3.57
180.0	8.78	7.83	7.15	6.62	6.10	5.52	4.99	4.63	4.21
225.0	7.88	7.31	6.68	6.36	5.57	5.10	4.78	4.21	3.99
270.0	9.25	8.09	7.41	6.83	6.36	5.73	5.20	4.84	4.36
315.0	7.73	7.15	6.57	5.99	5.47	4.94	4.57	4.10	3.68
360.0	6.78	6.25	5.73	5.10	4.73	4.31	3.94	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	2.73	2.42	2.10	1.84	1.58	1.37	1.10	0.95	0.79
45.0	3.00	2.63	2.21	1.94	1.68	1.42	1.21	0.95	0.68
90.0	2.63	2.31	2.10	1.73	1.58	1.31	1.16	1.00	0.89
135.0	3.15	2.79	2.42	2.05	1.79	1.47	1.26	1.05	0.84
180.0	3.78	3.36	3.05	2.73	2.26	2.05	1.73	1.42	1.16
225.0	3.63	3.15	2.84	2.52	2.10	1.89	1.52	1.31	1.10
270.0	3.94	3.57	3.05	2.73	2.31	2.00	1.73	1.42	1.26
315.0	3.26	2.94	2.63	2.26	1.94	1.68	1.31	1.16	0.95
360.0	2.73	2.42	2.10	1.84	1.58	1.37	1.10	0.95	0.79

Intensity data(cd)

C/γ(°)	90.0
0.0	0.79
45.0	0.79
90.0	0.89
135.0	0.79
180.0	0.95
225.0	1.00
270.0	1.05
315.0	0.84
360.0	0.79