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Nata

Client:
LumCAT: 2-2518-L
Luminaire: 92.70.412.00
Report No: 2024821-B004
Ballast type: AC

Test No: 2024821-C004	Voltage(V): 34.780
LampCAT: Fortimo_SLM_C_1205	Current(A): 0.362
Lamp flux(lm): 2131.0	Power (W): 12.590
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1965.10, Efficiency(%): 92.21% , Luminous Efficacy(lm/W): 156.08
Central intensity(cd): 9907.611, Maximum intensity(cd): 9907.611
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=19.0
[C90/270]Total=19.0
Field angle(10%Imax): [C0/180]Total=47.4
[C90/270]Total=47.4
Maximum s/h(1/2): C0_180=0.32 C90_270=0.32
Maximum s/h(1/4): C0_180=0.35 C90_270=0.35
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.21%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.013%

Nata 2-2518-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9907.611	0.000	0	0.00%	0.00%
1.0	9841.881	9.450	9.45	0.44%	0.48%
2.0	9643.399	27.967	37.417	1.31%	1.90%
3.0	9308.878	45.328	82.745	2.13%	4.21%
4.0	8825.467	60.701	143.446	2.85%	7.30%
5.0	8231.885	73.380	216.826	3.44%	11.03%
6.0	7589.966	83.148	299.974	3.90%	15.27%
7.0	6759.866	89.069	389.043	4.18%	19.80%
8.0	6081.724	91.905	480.948	4.31%	24.47%
9.0	5306.086	92.292	573.24	4.33%	29.17%
10.0	4626.834	89.889	663.129	4.22%	33.75%
11.0	4053.863	86.738	749.867	4.07%	38.16%
12.0	3531.451	82.918	832.785	3.89%	42.38%
13.0	3064.269	78.275	911.06	3.67%	46.36%
14.0	2721.410	74.056	985.116	3.48%	50.13%
15.0	2412.533	70.481	1055.597	3.31%	53.72%
16.0	2153.716	66.908	1122.506	3.14%	57.12%
17.0	1953.847	63.966	1186.471	3.00%	60.38%
18.0	1765.108	61.317	1247.789	2.88%	63.50%
19.0	1599.142	58.531	1306.32	2.75%	66.48%
20.0	1411.592	55.105	1361.425	2.59%	69.28%
21.0	1303.432	52.134	1413.559	2.45%	71.93%
22.0	1143.123	49.165	1462.723	2.31%	74.44%
23.0	1059.154	46.210	1508.933	2.17%	76.79%
24.0	964.220	44.238	1553.171	2.08%	79.04%
25.0	878.109	41.891	1595.062	1.97%	81.17%
26.0	789.824	39.372	1634.433	1.85%	83.17%
27.0	718.792	36.909	1671.342	1.73%	85.05%
28.0	632.038	34.200	1705.542	1.60%	86.79%
29.0	565.743	31.337	1736.879	1.47%	88.39%
30.0	478.772	28.202	1765.081	1.32%	89.82%
31.0	410.001	24.733	1789.814	1.16%	91.08%
32.0	343.220	21.579	1811.393	1.01%	92.18%
33.0	281.577	18.407	1829.8	0.86%	93.11%
34.0	226.111	15.364	1845.164	0.72%	93.90%
35.0	180.986	12.643	1857.807	0.59%	94.54%
36.0	145.808	10.405	1868.212	0.49%	95.07%
37.0	109.586	8.330	1876.542	0.39%	95.49%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	93.515	6.779	1883.321	0.32%	95.84%
39.0	82.024	5.992	1889.313	0.28%	96.14%
40.0	72.398	5.386	1894.698	0.25%	96.42%
41.0	64.159	4.863	1899.561	0.23%	96.67%
42.0	56.945	4.400	1903.961	0.21%	96.89%
43.0	50.683	3.987	1907.948	0.19%	97.09%
44.0	45.874	3.644	1911.592	0.17%	97.28%
45.0	40.992	3.338	1914.931	0.16%	97.45%
46.0	37.444	3.067	1917.998	0.14%	97.60%
47.0	34.015	2.842	1920.84	0.13%	97.75%
48.0	31.268	2.639	1923.479	0.12%	97.88%
49.0	28.633	2.460	1925.939	0.12%	98.01%
50.0	26.524	2.300	1928.239	0.11%	98.12%
51.0	24.619	2.164	1930.403	0.10%	98.23%
52.0	22.911	2.040	1932.442	0.10%	98.34%
53.0	21.551	1.934	1934.376	0.09%	98.44%
54.0	20.177	1.839	1936.216	0.09%	98.53%
55.0	18.942	1.746	1937.962	0.08%	98.62%
56.0	17.957	1.667	1939.629	0.08%	98.70%
57.0	17.057	1.601	1941.23	0.08%	98.79%
58.0	16.255	1.540	1942.77	0.07%	98.86%
59.0	15.545	1.487	1944.257	0.07%	98.94%
60.0	14.961	1.441	1945.698	0.07%	99.01%
61.0	14.343	1.398	1947.097	0.07%	99.08%
62.0	13.719	1.352	1948.449	0.06%	99.15%
63.0	13.081	1.303	1949.752	0.06%	99.22%
64.0	12.385	1.250	1951.002	0.06%	99.28%
65.0	11.702	1.192	1952.194	0.06%	99.34%
66.0	10.926	1.129	1953.323	0.05%	99.40%
67.0	10.184	1.061	1954.385	0.05%	99.45%
68.0	9.488	0.996	1955.381	0.05%	99.51%
69.0	8.673	0.926	1956.307	0.04%	99.55%
70.0	8.016	0.857	1957.165	0.04%	99.60%
71.0	7.392	0.796	1957.961	0.04%	99.64%
72.0	6.807	0.738	1958.699	0.03%	99.67%
73.0	6.242	0.682	1959.382	0.03%	99.71%
74.0	5.834	0.635	1960.016	0.03%	99.74%
75.0	5.375	0.592	1960.609	0.03%	99.77%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.921	0.547	1961.155	0.03%	99.80%
77.0	4.527	0.504	1961.659	0.02%	99.83%
78.0	4.152	0.465	1962.124	0.02%	99.85%
79.0	3.778	0.426	1962.55	0.02%	99.87%
80.0	3.403	0.387	1962.937	0.02%	99.89%
81.0	3.075	0.350	1963.287	0.02%	99.91%
82.0	2.740	0.315	1963.602	0.01%	99.92%
83.0	2.451	0.282	1963.885	0.01%	99.94%
84.0	2.155	0.251	1964.136	0.01%	99.95%
85.0	1.905	0.222	1964.357	0.01%	99.96%
86.0	1.656	0.195	1964.552	0.01%	99.97%
87.0	1.432	0.169	1964.721	0.01%	99.98%
88.0	1.229	0.146	1964.867	0.01%	99.99%
89.0	1.018	0.123	1964.99	0.01%	99.99%
90.0	0.940	0.107	1965.097	0.01%	100.00%

Zonal flux distribution table

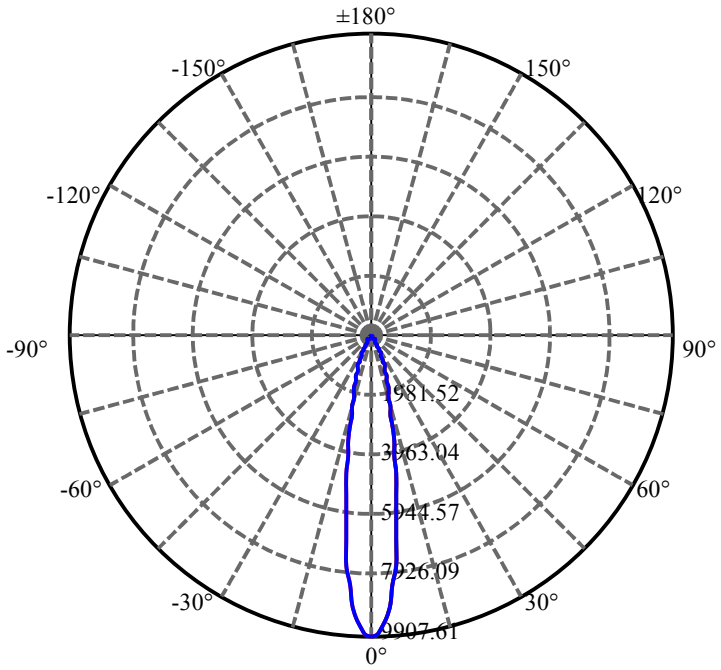
ZONAL LUMEN SUMMARY

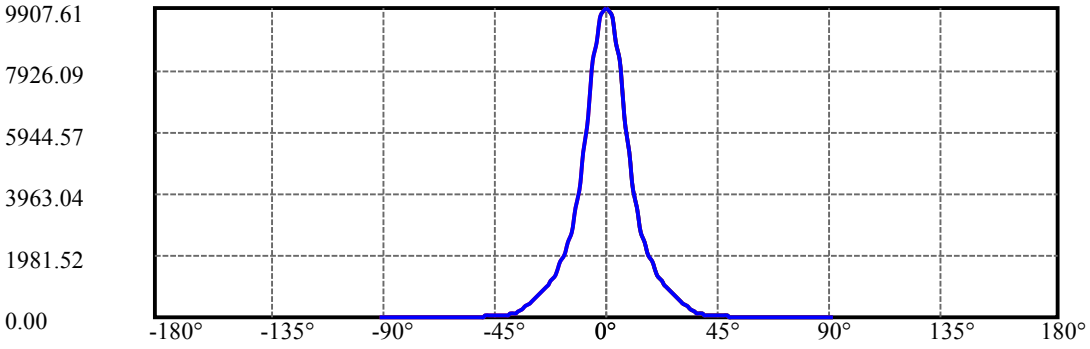
Zone	Lumens	%Lamp	%Fixt
0-30	1765.08	82.83%	89.82%
0-40	1894.70	88.91%	96.42%
0-60	1945.70	91.30%	99.01%
0-90	1964.99	92.21%	99.99%
0-120	1964.99	92.21%	99.99%
0-180	1965.10	92.21%	100.00%
60-90	19.29	0.91%	0.98%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-24.45	1572.08	73.77%	80.00%

ZONAL LUMEN SUMMARY

0-10	663.13
10-20	698.30
20-30	403.66
30-40	129.62
40-50	33.54
50-60	17.46
60-70	11.47
70-80	5.77
80-90	2.05
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):

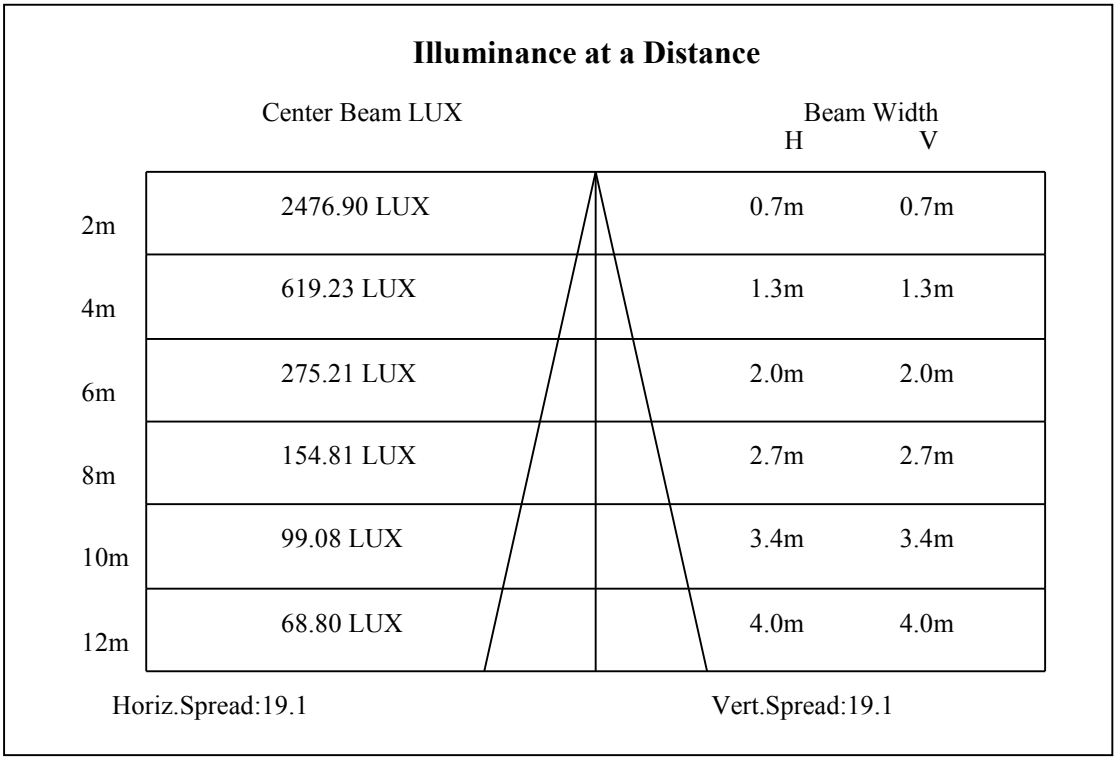
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:23.7 Right:23.7
:C90/270Left:23.7 Right:23.7

Beam Angle(50%Imax):C0/180Left:9.5 Right:9.5
:C90/270Left:9.5 Right:9.5

Lux distance Curve

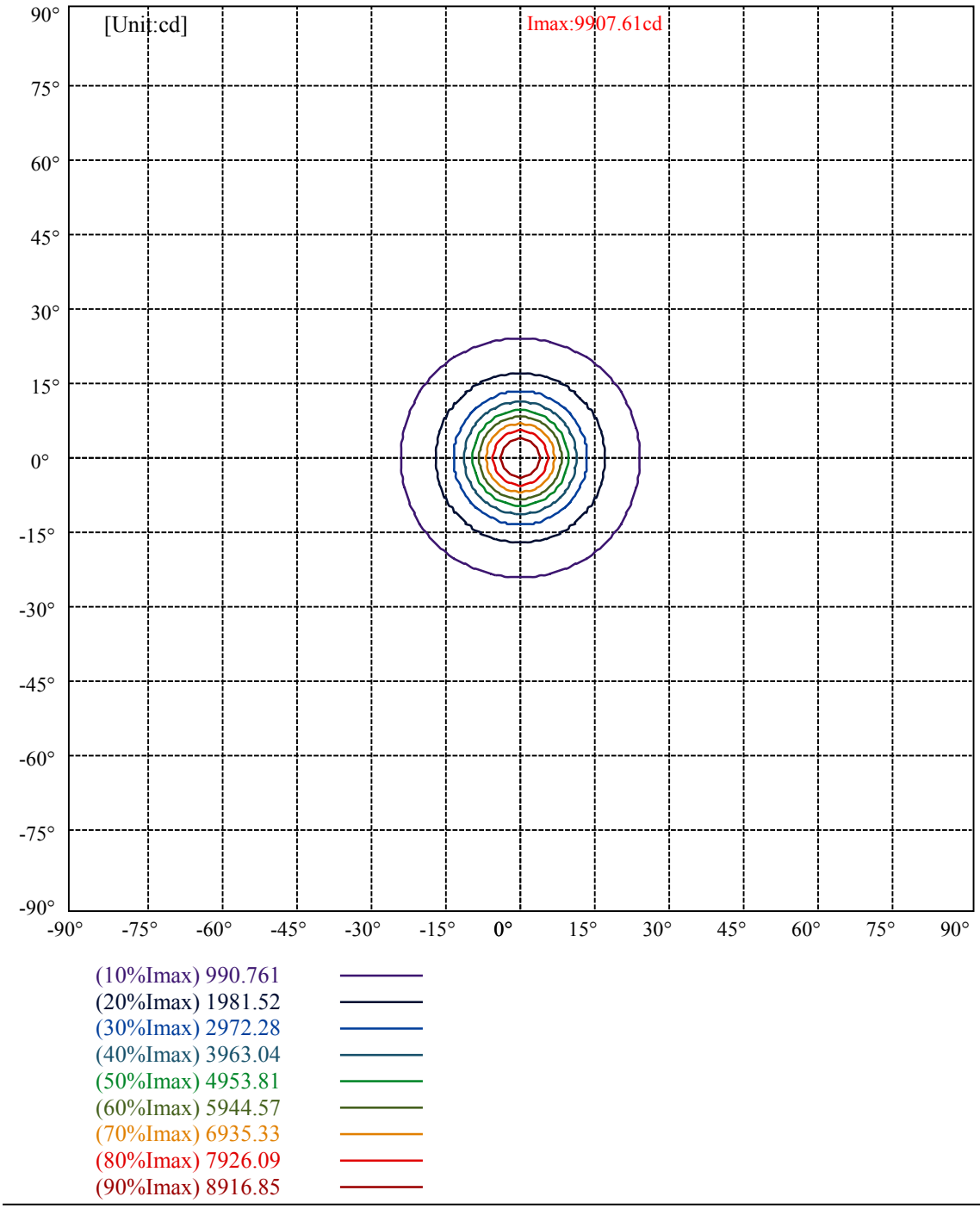


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/21
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO-Intensity(V-H)



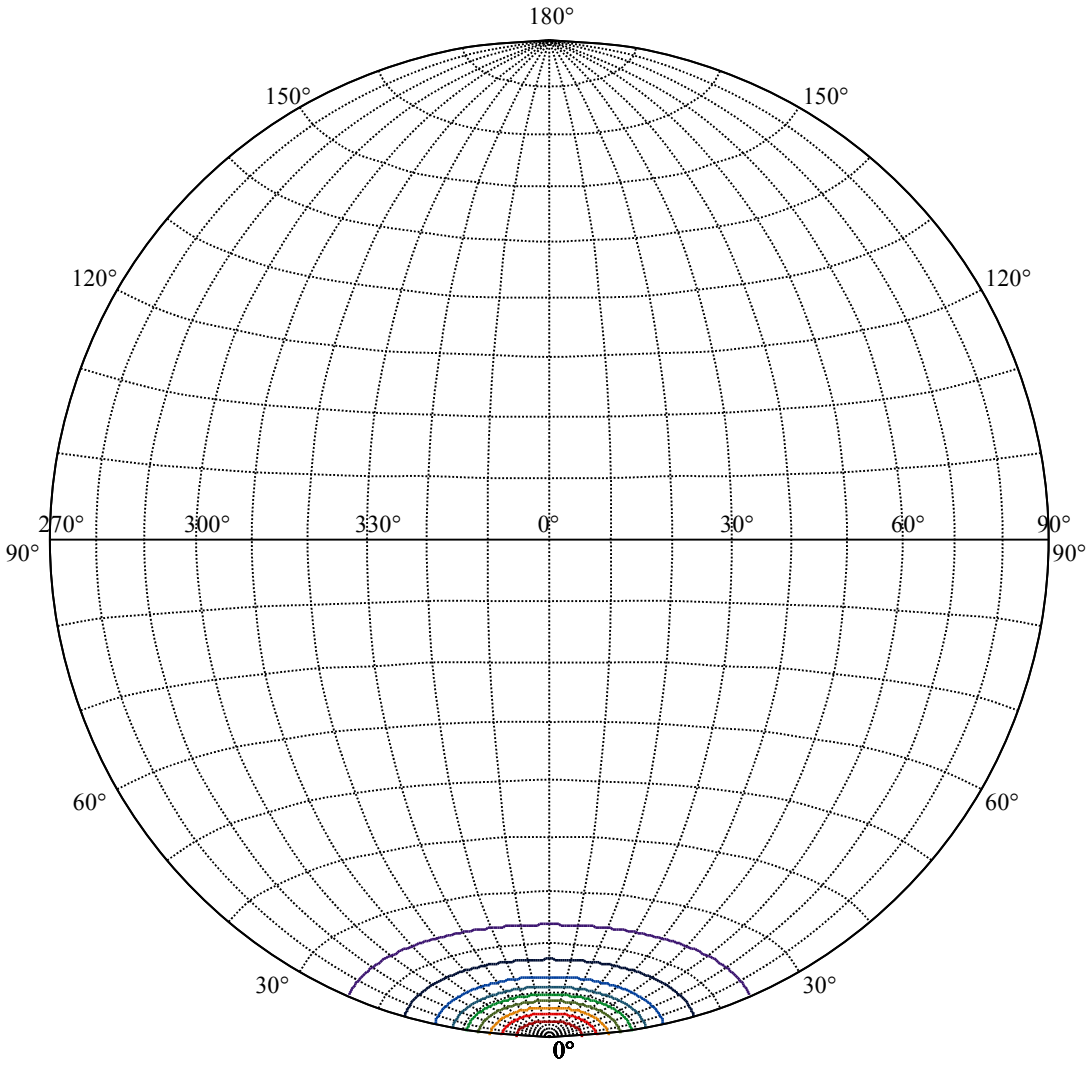
(10%Imax) 990.761
(20%Imax) 1981.52
(30%Imax) 2972.28
(40%Imax) 3963.04
(50%Imax) 4953.81
(60%Imax) 5944.57
(70%Imax) 6935.33
(80%Imax) 7926.09
(90%Imax) 8916.85

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/21
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO candela diagram on circular web

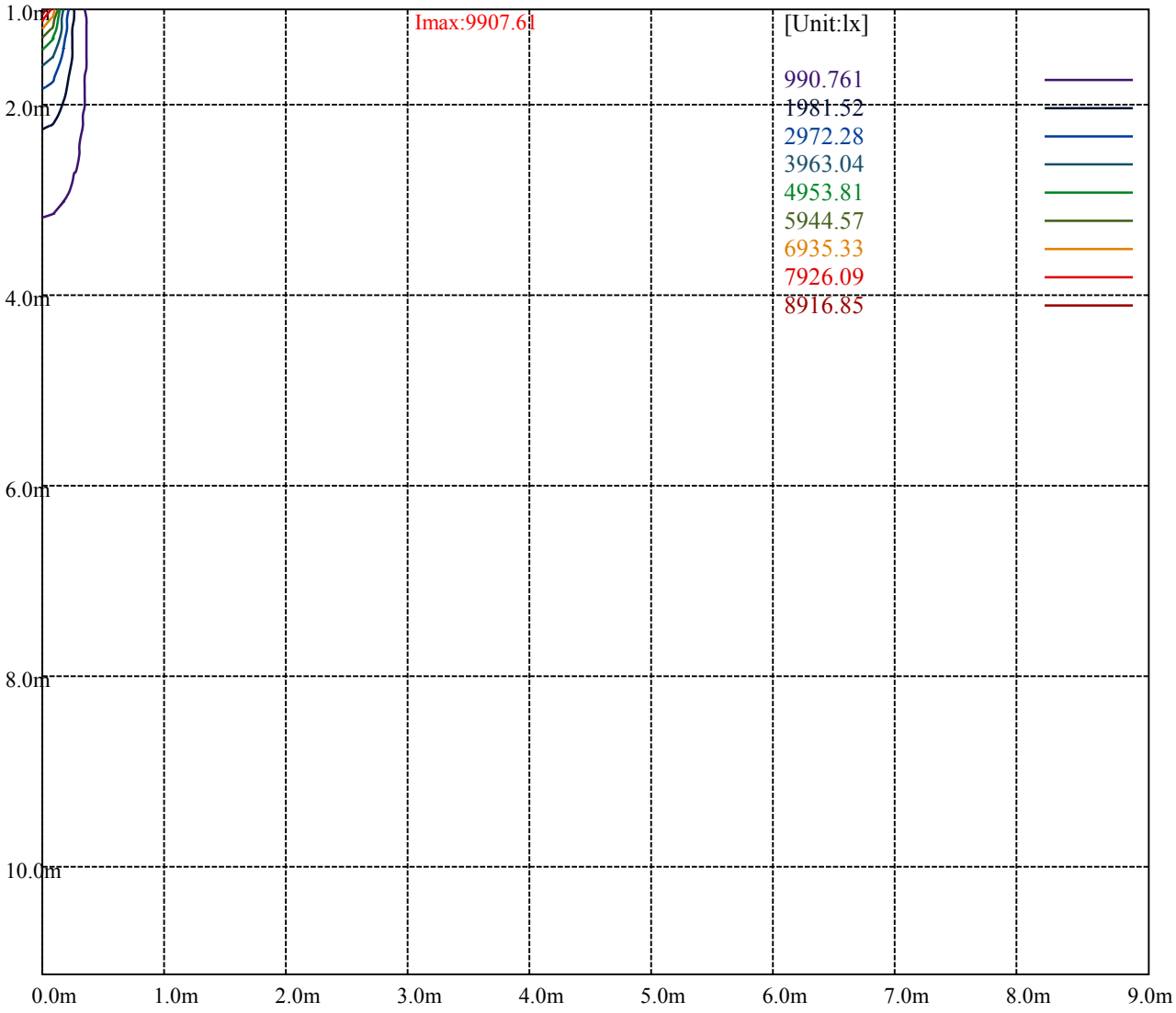


House [Unit:cd] Road

Imax:9907.61

(10%Imax) 990.761
(20%Imax) 1981.52
(30%Imax) 2972.28
(40%Imax) 3963.04
(50%Imax) 4953.81
(60%Imax) 5944.57
(70%Imax) 6935.33
(80%Imax) 7926.09
(90%Imax) 8916.85

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/21
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Nata 2-2518-L

Luminance Limitting Curve(no luminous side)

Luminance Table

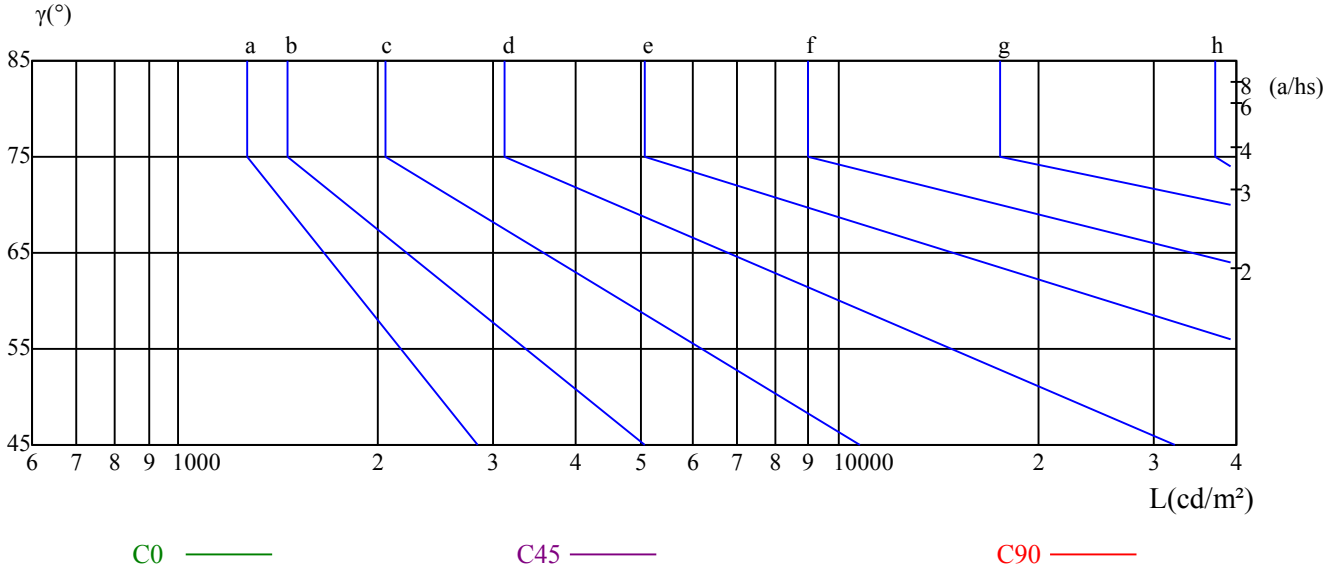
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

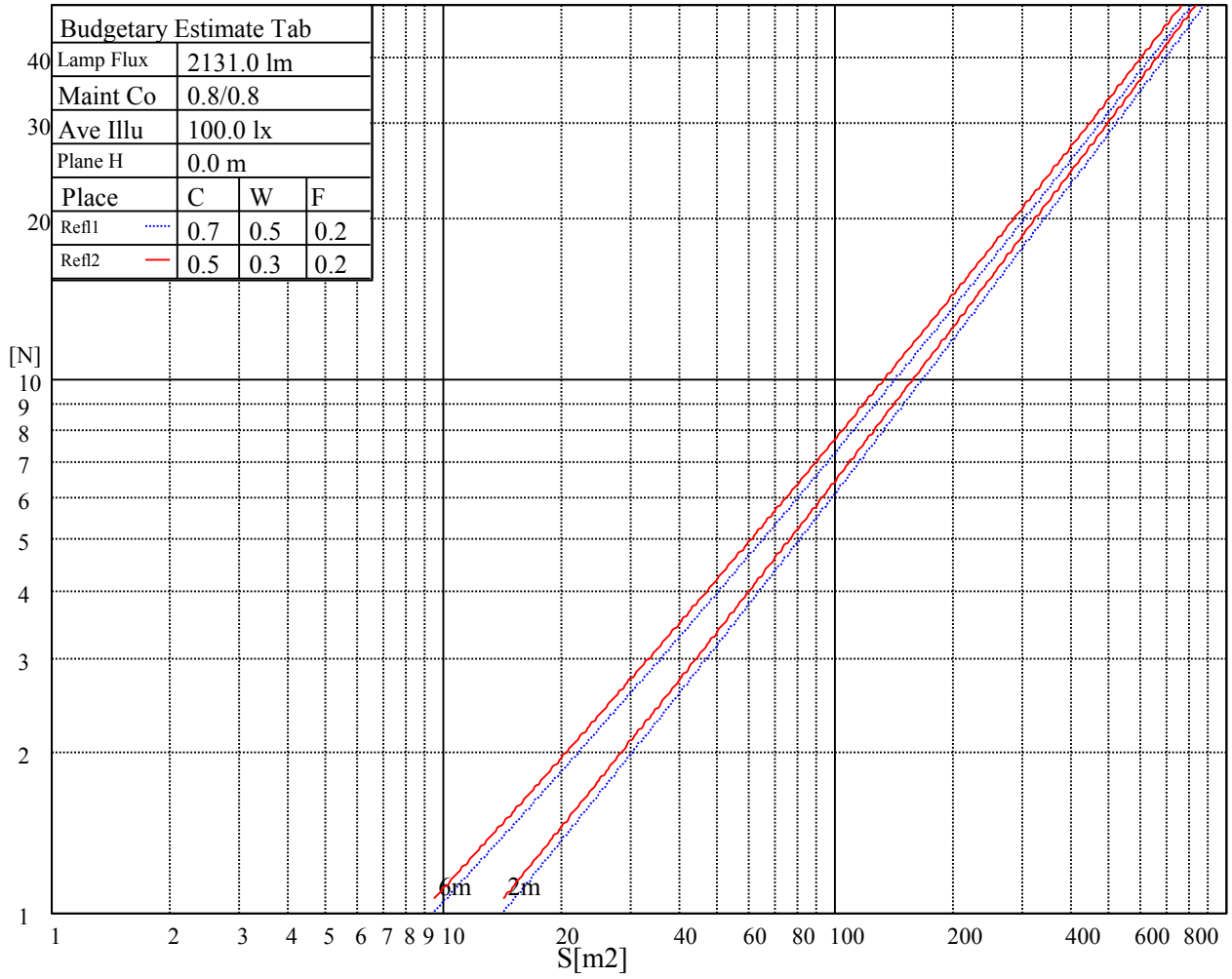
Date: 2024/8/21
Humidity(%): 60.0%

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

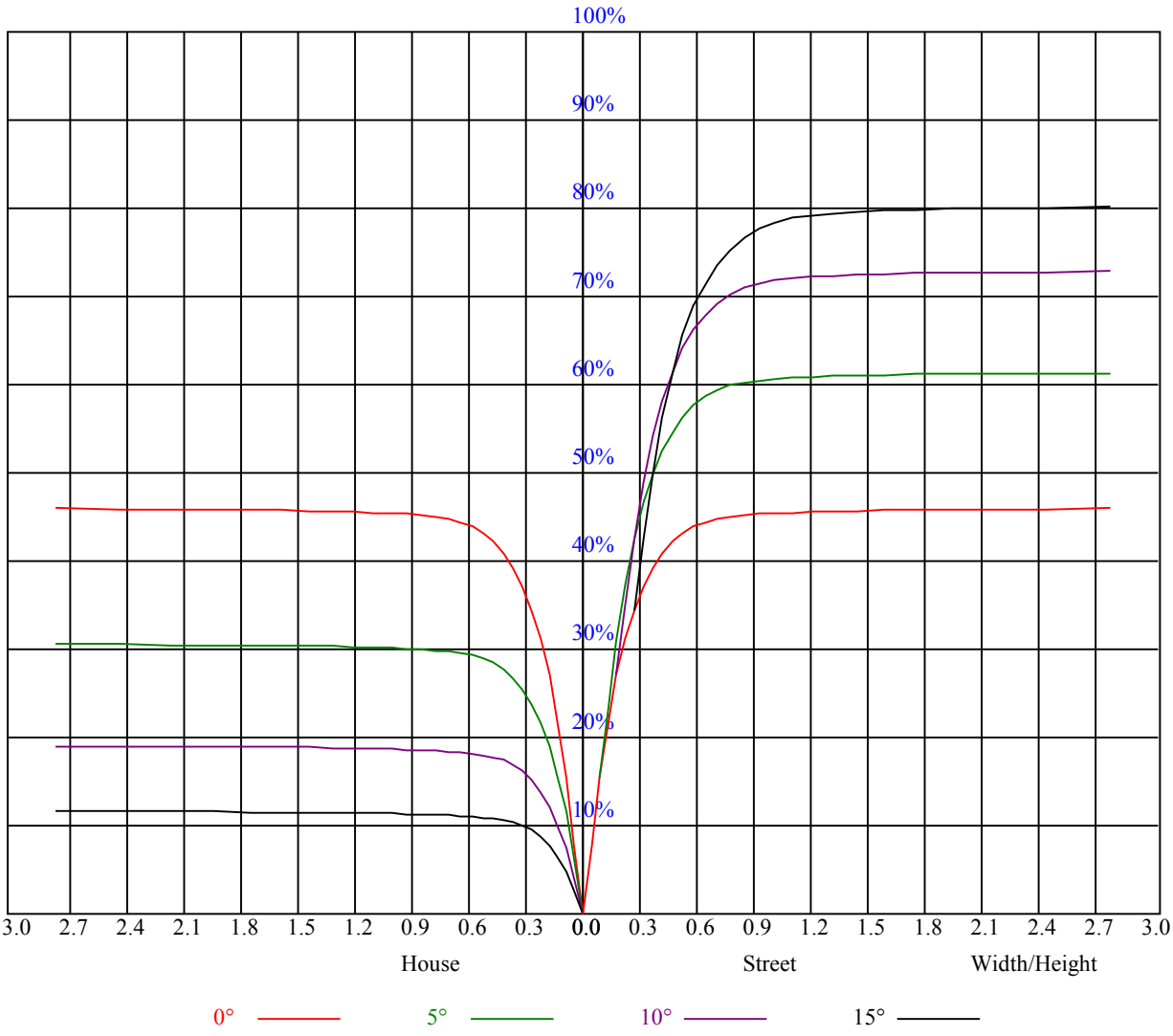
Date: 2024/8/21
Humidity(%): 60.0%

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	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.04	1.02	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.95	0.94	0.93	0.91	0.91	0.90	0.88
2	0.98	0.95	0.93	0.97	0.94	0.92	0.94	0.92	0.90	0.91	0.89	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	0.85	0.82	0.87	0.83	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.78
5	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.78	0.82	0.79	0.77	0.81	0.78	0.76	0.75
6	0.82	0.78	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.78	0.76	0.74	0.73
7	0.79	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	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.74	0.71	0.69	0.68
9	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.67	0.72	0.69	0.67	0.66
10	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.70	0.67	0.65	0.64

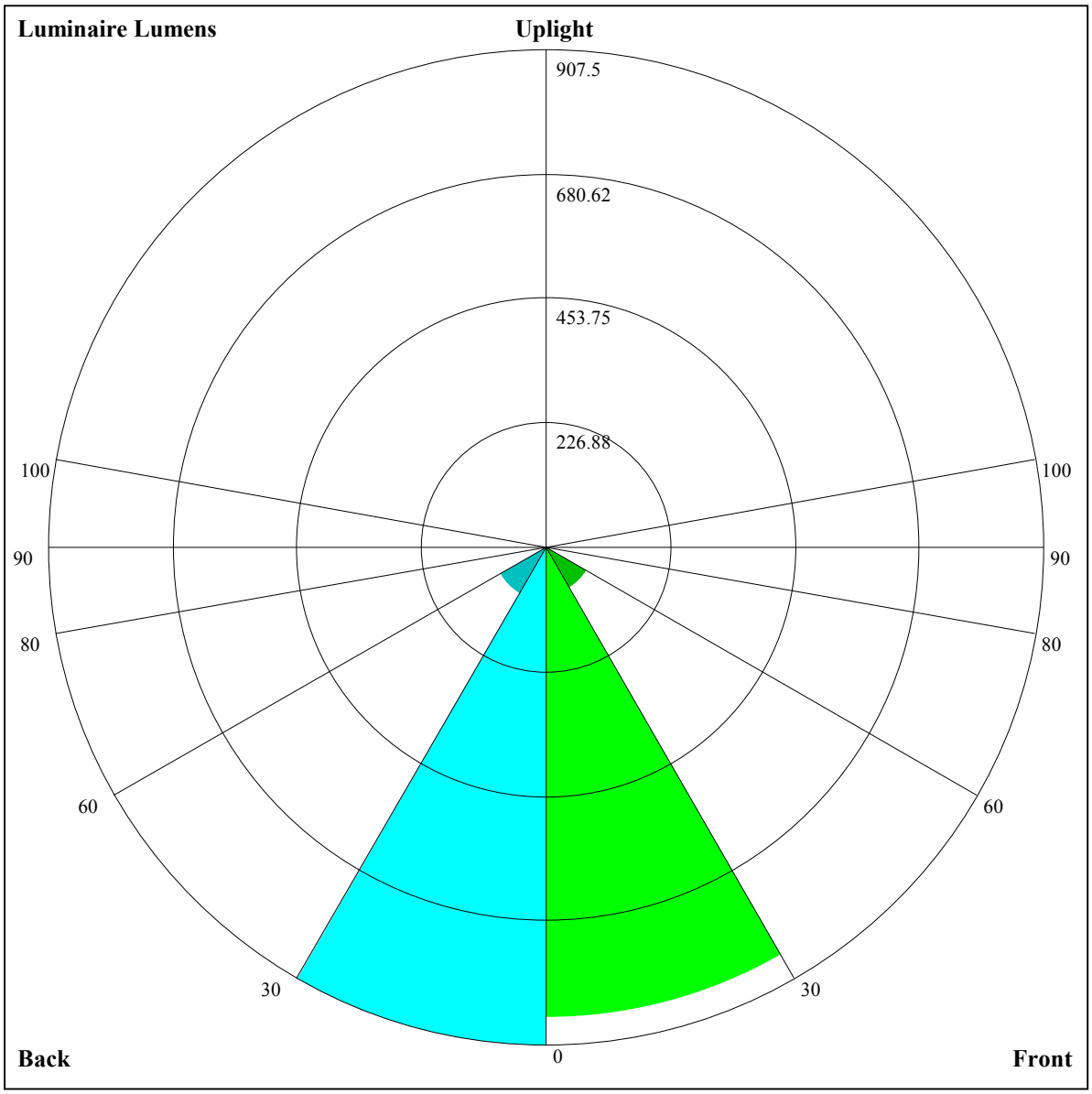
Coefficient Utilization Curve



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/21
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25



Luminaire Lumens:
FL=857.4,FM=85.54,FH=8.42,FVH=1.07
BL=907.5,BM=97.42,BH=8.7,BVH=1.1
UL=0,UH=0

BUG Rating:B2-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	9884.90	9690.48	9371.79	8890.37	8261.88	7530.89	6749.76	5943.56	5170.21
45.0	9970.16	9826.98	9548.92	9138.31	8577.25	7936.52	7497.46	6402.11	5921.27
90.0	9765.11	9413.00	8948.35	8375.57	7685.79	6923.06	6139.67	5340.72	4599.11
135.0	10010.27	9882.12	9625.30	9220.78	8694.26	8049.63	7351.50	6586.50	5798.12
180.0	9884.90	9937.31	9871.55	9658.73	9297.68	8801.22	8428.50	7467.97	7010.52
225.0	9970.16	9989.66	9850.95	9562.33	9129.95	8531.58	7828.45	7061.77	6292.89
270.0	9765.11	9973.52	10042.07	10001.91	9785.72	9514.39	8892.63	8230.13	7633.44
315.0	10010.27	10021.99	9888.27	9623.04	9171.21	8567.79	7831.76	7046.16	6228.24
360.0	9884.90	9690.48	9371.79	8890.37	8261.88	7530.89	6749.76	5943.56	5170.21

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4439.22	3809.62	3483.68	2868.55	2534.83	2356.53	2012.78	1894.09	1718.01
45.0	5147.92	4442.53	3823.55	3321.00	2906.44	2574.41	2299.14	2066.23	1867.34
90.0	3941.08	3401.21	2974.41	2766.05	2353.17	2114.17	1982.13	1724.16	1627.23
135.0	5028.71	4342.24	3736.62	3428.49	2996.17	2656.30	2377.72	2138.66	1930.88
180.0	6248.31	5188.60	4752.33	4103.82	3548.86	3104.81	2752.70	2451.25	2207.78
225.0	5525.11	4808.05	4148.92	3581.19	3114.28	2815.09	2484.68	2169.31	1991.01
270.0	6684.58	6041.06	5248.79	4523.90	3897.67	3381.14	2946.55	2601.11	2325.89
315.0	5433.75	4981.35	4262.61	3658.61	3162.74	2768.83	2444.58	2184.92	1962.63
360.0	4439.22	3809.62	3483.68	2868.55	2534.83	2356.53	2012.78	1894.09	1718.01

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1552.01	1402.10	1101.71	1101.71	1015.40	935.03	863.71	792.48	715.85
45.0	1690.15	1531.36	1387.65	1248.36	1115.74	999.27	904.55	822.13	738.56
90.0	1480.11	1343.60	1097.45	1097.45	991.12	908.49	830.49	747.33	669.65
135.0	1750.91	1591.01	1440.58	1300.71	1172.56	1051.67	941.92	846.05	753.59
180.0	1992.17	1812.20	1647.83	1500.19	1363.10	1236.06	1119.63	1009.31	917.95
225.0	1800.48	1631.12	1475.64	1341.40	1068.49	1068.49	1008.31	923.52	836.74
270.0	2087.41	1876.27	1691.83	1525.78	1372.04	1227.70	1097.35	983.71	897.35
315.0	1767.62	1605.47	1450.04	1311.85	1046.52	1046.52	947.81	900.34	788.91
360.0	1552.01	1402.10	1101.71	1101.71	1015.40	935.03	863.71	792.48	715.85

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	633.48	550.12	466.39	384.07	336.82	264.18	176.29	146.44	112.64
45.0	688.41	576.40	527.94	449.36	344.07	302.81	302.81	176.29	137.14
90.0	598.37	523.42	462.34	371.46	296.51	239.74	177.87	131.14	104.44
135.0	666.12	583.65	508.44	436.53	382.50	308.96	286.68	286.68	174.19
180.0	853.30	753.59	669.44	598.11	498.40	434.32	355.74	283.31	283.31
225.0	747.49	658.45	605.89	490.67	444.52	370.51	274.06	237.11	182.29
270.0	823.76	748.02	700.08	593.69	549.65	475.01	402.00	334.61	293.35
315.0	739.40	662.66	585.44	506.28	427.54	350.22	277.16	213.30	160.53
360.0	633.48	550.12	466.39	384.07	336.82	264.18	176.29	146.44	112.64

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	96.61	85.57	75.74	66.75	58.82	52.14	46.57	41.63	37.63
45.0	112.01	97.50	85.68	75.69	66.96	59.50	53.14	47.36	44.31
90.0	91.93	81.31	72.01	63.65	56.50	50.46	44.78	40.00	35.85
135.0	142.50	120.32	104.65	92.14	81.79	72.85	65.39	58.82	53.25
180.0	167.62	128.62	105.97	93.35	82.63	73.75	65.34	58.19	54.61
225.0	140.34	112.90	97.71	85.68	75.32	66.23	58.61	52.04	46.41
270.0	293.35	148.17	115.90	99.03	86.62	76.16	66.81	58.50	51.46
315.0	122.10	102.29	90.46	79.90	70.54	62.18	54.93	48.94	43.47
360.0	96.61	85.57	75.74	66.75	58.82	52.14	46.57	41.63	37.63

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	34.06	30.85	28.54	26.44	24.39	22.71	21.29	19.87	19.08
45.0	40.16	36.48	32.75	30.07	27.49	25.44	23.65	21.97	20.45
90.0	32.17	29.70	27.39	25.23	23.55	22.23	20.92	19.82	19.19
135.0	48.57	44.52	40.95	38.95	34.80	32.33	30.85	28.70	26.75
180.0	46.78	42.31	39.89	36.11	32.80	30.17	27.60	25.49	23.76
225.0	41.52	37.42	33.69	30.75	28.33	26.44	24.07	22.44	21.18
270.0	45.62	41.47	37.16	32.59	30.01	27.39	25.12	23.13	21.45
315.0	39.05	36.79	31.75	30.01	27.70	25.49	23.44	21.87	20.55
360.0	34.06	30.85	28.54	26.44	24.39	22.71	21.29	19.87	19.08

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	17.71	17.24	16.35	15.66	15.14	14.61	13.98	13.35	12.88
45.0	19.08	17.98	17.08	16.24	15.66	15.09	14.61	14.24	13.51
90.0	18.50	17.03	16.56	15.87	15.24	14.51	13.93	13.19	12.46
135.0	24.91	23.23	21.76	20.55	19.34	18.29	17.56	16.61	15.72
180.0	22.18	20.55	19.34	18.24	17.19	16.29	15.61	15.03	14.40
225.0	19.82	18.61	17.61	16.66	15.77	15.14	14.61	14.03	13.56
270.0	20.03	18.71	17.61	16.66	15.82	15.14	14.61	14.14	13.61
315.0	19.19	18.19	17.35	16.56	15.87	15.30	14.77	14.14	13.61
360.0	17.71	17.24	16.35	15.66	15.14	14.61	13.98	13.35	12.88

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	12.19	11.46	10.88	10.30	9.67	9.04	8.30	7.41	6.78
45.0	12.93	12.30	11.93	11.14	9.83	9.41	8.67	7.88	7.36
90.0	11.46	10.78	9.93	9.04	8.41	7.73	7.04	6.57	6.10
135.0	14.77	13.77	12.72	11.67	10.62	9.62	8.78	8.20	7.36
180.0	13.82	13.19	12.56	11.77	10.99	10.30	9.30	8.41	7.78
225.0	13.14	12.46	11.62	10.83	10.14	9.30	8.52	7.78	7.10
270.0	13.14	12.56	11.98	11.30	10.99	10.30	9.30	8.88	8.36
315.0	13.19	12.56	11.98	11.35	10.83	10.20	9.46	8.99	8.30
360.0	12.19	11.46	10.88	10.30	9.67	9.04	8.30	7.41	6.78

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.15	5.68	5.26	4.78	4.47	4.05	3.68	3.31	3.00
45.0	6.78	6.04	5.62	5.10	4.63	4.21	3.89	3.47	3.15
90.0	5.68	5.20	4.99	4.63	4.10	3.89	3.47	3.15	2.79
135.0	6.89	6.41	5.99	5.52	4.99	4.57	4.26	3.89	3.47
180.0	7.10	6.57	6.10	5.68	5.20	4.78	4.36	4.05	3.68
225.0	6.62	6.10	5.83	5.41	4.94	4.57	4.21	3.84	3.42
270.0	7.73	7.10	6.62	6.10	5.62	5.15	4.78	4.36	3.94
315.0	7.52	6.83	6.25	5.78	5.41	4.99	4.57	4.15	3.78
360.0	6.15	5.68	5.26	4.78	4.47	4.05	3.68	3.31	3.00

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.68	2.37	2.16	1.89	1.58	1.47	1.21	1.05	0.79
45.0	2.84	2.47	2.16	1.84	1.68	1.37	1.26	1.10	0.79
90.0	2.47	2.10	1.94	1.68	1.52	1.31	1.16	0.95	0.89
135.0	3.10	2.84	2.42	2.16	1.89	1.58	1.37	1.16	0.89
180.0	3.31	3.00	2.68	2.31	2.05	1.79	1.52	1.31	1.10
225.0	3.10	2.73	2.52	2.26	2.00	1.73	1.47	1.26	1.10
270.0	3.63	3.26	2.89	2.63	2.26	1.94	1.68	1.47	1.31
315.0	3.47	3.15	2.84	2.47	2.26	2.05	1.79	1.52	1.26
360.0	2.68	2.37	2.16	1.89	1.58	1.47	1.21	1.05	0.79

Intensity data(cd)

C/γ(°)	90.0
0.0	0.84
45.0	0.84
90.0	0.84
135.0	0.84
180.0	0.95
225.0	1.00
270.0	1.05
315.0	1.16
360.0	0.84