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NT

Client:
LumCAT: 1-1298-L
Luminaire: 92.70.427.00
Report No: 2024723-B029
Ballast type: AC
Test No: 2024723-C029
LampCAT: P2121-018-1203-P3090-1
Lamp flux(lm): 2015.0
Number of Lamps: 1
Length(mm): 0
Phm Type: C

Voltage(V): 36.200
Current(A): 0.360
Power (W): 13.032
PF: 0.000
Width(mm): 0
Height(mm): 0

Photometric Results

Lumens(lm): 1832.32, Efficiency(%): 90.93% , Luminous Efficacy(lm/W): 140.60
Central intensity(cd): 7626.126, Maximum intensity(cd): 7626.126
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=20.6
[C90/270]Total=20.6
Field angle(10%Imax): [C0/180]Total=53.4
[C90/270]Total=53.4
Maximum s/h(1/2): C0_180=0.35 C90_270=0.35
Maximum s/h(1/4): C0_180=0.40 C90_270=0.40
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 90.93%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.649%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	7626.125	0.000	0	0.00%	0.00%
1.0	7561.751	7.267	7.267	0.36%	0.40%
2.0	7402.496	21.478	28.745	1.07%	1.57%
3.0	7157.433	34.823	63.568	1.73%	3.47%
4.0	6815.881	46.773	110.341	2.32%	6.02%
5.0	6403.956	56.871	167.212	2.82%	9.13%
6.0	5916.318	64.746	231.958	3.21%	12.66%
7.0	5427.435	70.410	302.369	3.49%	16.50%
8.0	4886.687	73.816	376.185	3.66%	20.53%
9.0	4400.146	75.265	451.45	3.74%	24.64%
10.0	3927.942	75.366	526.816	3.74%	28.75%
11.0	3522.601	74.446	601.262	3.69%	32.81%
12.0	3133.207	72.758	674.02	3.61%	36.79%
13.0	2801.750	70.433	744.453	3.50%	40.63%
14.0	2524.865	68.180	812.633	3.38%	44.35%
15.0	2286.021	66.046	878.679	3.28%	47.95%
16.0	2073.291	63.876	942.555	3.17%	51.44%
17.0	1887.702	61.683	1004.238	3.06%	54.81%
18.0	1706.875	59.267	1063.505	2.94%	58.04%
19.0	1563.750	56.902	1120.407	2.82%	61.15%
20.0	1406.237	54.359	1174.766	2.70%	64.11%
21.0	1305.893	52.078	1226.845	2.58%	66.96%
22.0	1185.754	50.071	1276.915	2.48%	69.69%
23.0	1098.387	47.927	1324.843	2.38%	72.30%
24.0	1003.771	45.961	1370.803	2.28%	74.81%
25.0	913.346	43.591	1414.395	2.16%	77.19%
26.0	825.877	41.055	1455.449	2.04%	79.43%
27.0	737.420	38.246	1493.695	1.90%	81.52%
28.0	650.419	35.137	1528.833	1.74%	83.44%
29.0	574.471	32.047	1560.879	1.59%	85.19%
30.0	502.745	29.085	1589.964	1.44%	86.77%
31.0	429.255	25.936	1615.9	1.29%	88.19%
32.0	370.440	22.910	1638.81	1.14%	89.44%
33.0	309.694	20.037	1658.847	0.99%	90.53%
34.0	253.702	17.050	1675.897	0.85%	91.46%
35.0	215.633	14.576	1690.473	0.72%	92.26%
36.0	174.434	12.420	1702.893	0.62%	92.94%
37.0	139.722	10.246	1713.139	0.51%	93.50%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	111.756	8.394	1721.533	0.42%	93.95%
39.0	87.601	6.805	1728.338	0.34%	94.33%
40.0	70.600	5.517	1733.855	0.27%	94.63%
41.0	59.715	4.640	1738.496	0.23%	94.88%
42.0	51.383	4.036	1742.532	0.20%	95.10%
43.0	45.816	3.601	1746.133	0.18%	95.30%
44.0	41.551	3.297	1749.43	0.16%	95.48%
45.0	38.223	3.066	1752.496	0.15%	95.64%
46.0	35.779	2.894	1755.39	0.14%	95.80%
47.0	33.833	2.769	1758.158	0.14%	95.95%
48.0	32.070	2.664	1760.823	0.13%	96.10%
49.0	30.607	2.574	1763.397	0.13%	96.24%
50.0	29.393	2.502	1765.898	0.12%	96.38%
51.0	28.435	2.447	1768.345	0.12%	96.51%
52.0	27.586	2.404	1770.749	0.12%	96.64%
53.0	26.855	2.368	1773.117	0.12%	96.77%
54.0	26.284	2.342	1775.459	0.12%	96.90%
55.0	25.845	2.327	1777.786	0.12%	97.02%
56.0	25.421	2.317	1780.102	0.11%	97.15%
57.0	25.033	2.307	1782.409	0.11%	97.28%
58.0	24.594	2.295	1784.704	0.11%	97.40%
59.0	24.170	2.280	1786.984	0.11%	97.53%
60.0	23.658	2.260	1789.243	0.11%	97.65%
61.0	22.963	2.225	1791.468	0.11%	97.77%
62.0	22.231	2.178	1793.646	0.11%	97.89%
63.0	21.405	2.122	1795.768	0.11%	98.01%
64.0	20.578	2.060	1797.828	0.10%	98.12%
65.0	19.715	1.994	1799.822	0.10%	98.23%
66.0	18.771	1.920	1801.743	0.10%	98.33%
67.0	17.937	1.846	1803.588	0.09%	98.43%
68.0	17.059	1.773	1805.361	0.09%	98.53%
69.0	16.225	1.698	1807.059	0.08%	98.62%
70.0	15.443	1.626	1808.686	0.08%	98.71%
71.0	14.755	1.561	1810.246	0.08%	98.80%
72.0	14.111	1.501	1811.747	0.07%	98.88%
73.0	13.555	1.447	1813.194	0.07%	98.96%
74.0	13.065	1.400	1814.594	0.07%	99.03%
75.0	12.582	1.355	1815.949	0.07%	99.11%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.202	1.316	1817.264	0.07%	99.18%
77.0	11.814	1.280	1818.545	0.06%	99.25%
78.0	11.463	1.246	1819.791	0.06%	99.32%
79.0	11.112	1.213	1821.004	0.06%	99.38%
80.0	10.812	1.182	1822.186	0.06%	99.45%
81.0	10.519	1.154	1823.339	0.06%	99.51%
82.0	10.249	1.126	1824.466	0.06%	99.57%
83.0	9.949	1.098	1825.564	0.05%	99.63%
84.0	9.671	1.069	1826.632	0.05%	99.69%
85.0	9.334	1.037	1827.67	0.05%	99.75%
86.0	8.844	0.994	1828.663	0.05%	99.80%
87.0	8.464	0.947	1829.611	0.05%	99.85%
88.0	8.303	0.918	1830.529	0.05%	99.90%
89.0	8.135	0.901	1831.43	0.04%	99.95%
90.0	8.040	0.887	1832.317	0.04%	100.00%

Zonal flux distribution table

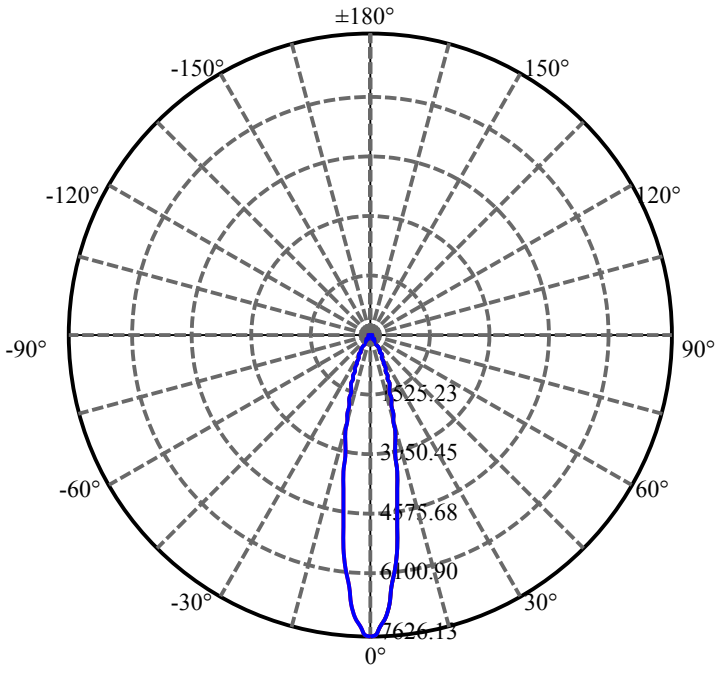
ZONAL LUMEN SUMMARY

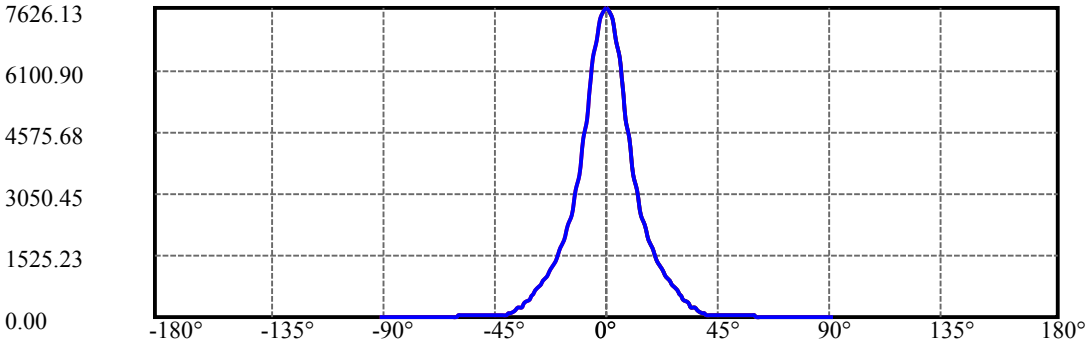
Zone	Lumens	%Lamp	%Fixt
0-30	1589.96	78.91%	86.77%
0-40	1733.86	86.05%	94.63%
0-60	1789.24	88.80%	97.65%
0-90	1831.43	90.89%	99.95%
0-120	1831.43	90.89%	99.95%
0-180	1832.32	90.93%	100.00%
60-90	42.19	2.09%	2.30%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.27	1465.85	72.75%	80.00%

ZONAL LUMEN SUMMARY

0-10	526.82
10-20	647.95
20-30	415.20
30-40	143.89
40-50	32.04
50-60	23.35
60-70	19.44
70-80	13.50
80-90	9.24
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):

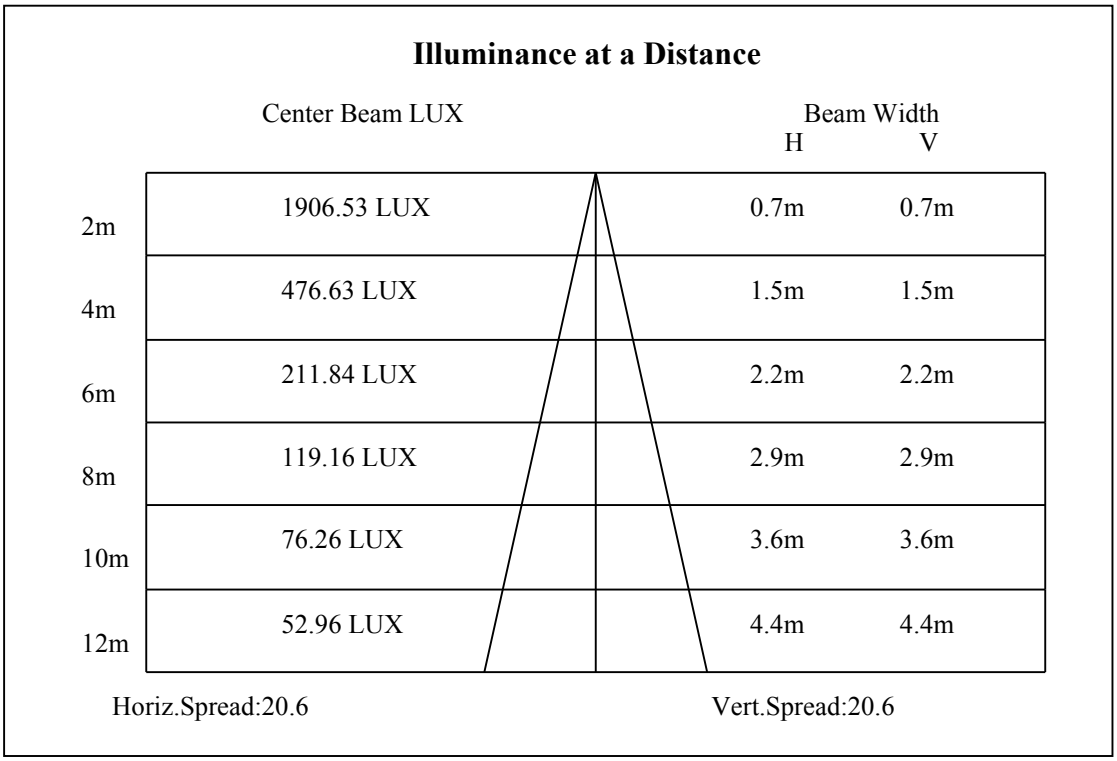
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:26.7 Right:26.7
:C90/270Left:26.7 Right:26.7

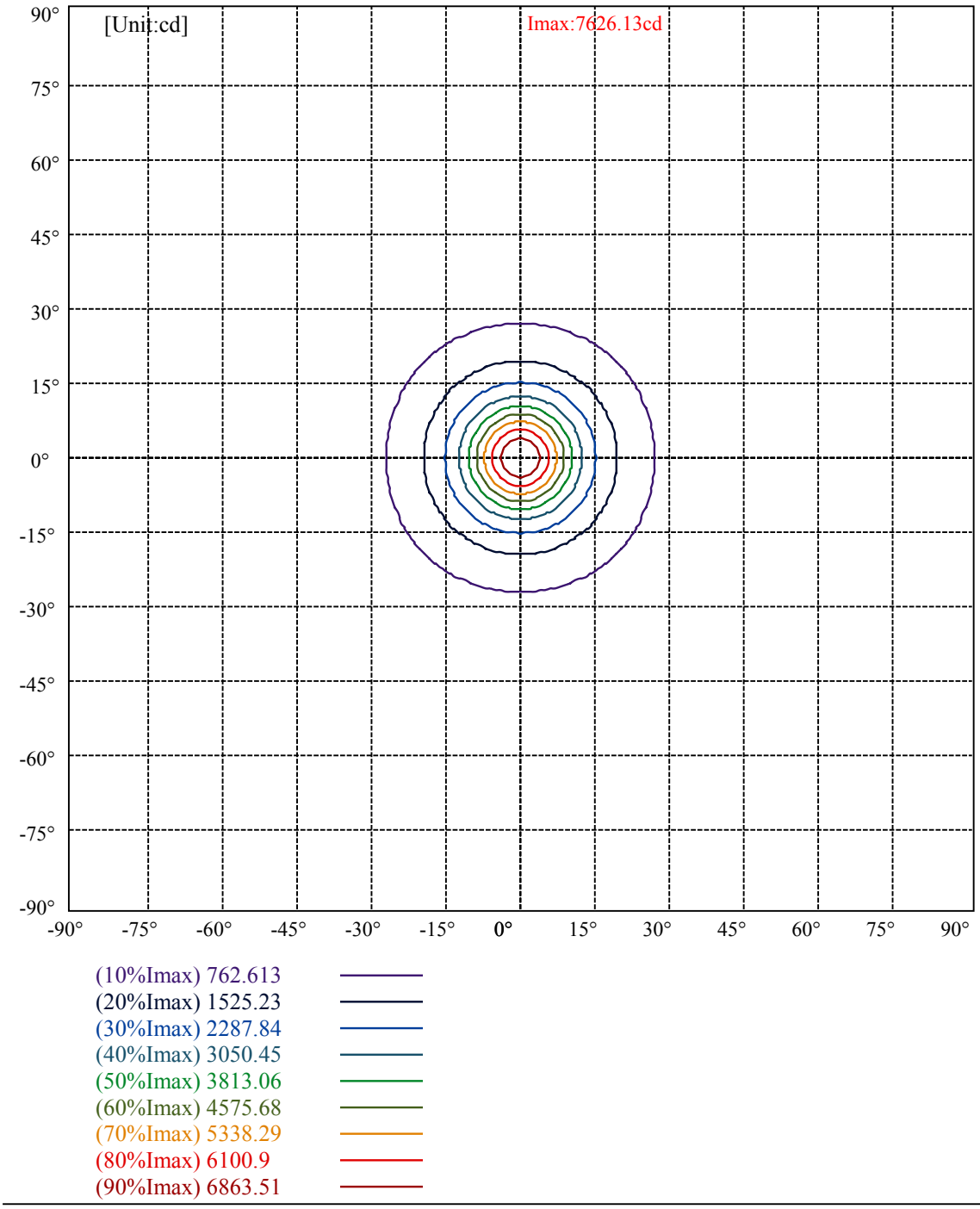
Beam Angle(50%Imax):C0/180Left:10.3 Right:10.3
:C90/270Left:10.3 Right:10.3

Lux distance Curve



Equipment: GMS1980 Date: 2024/7/23 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)



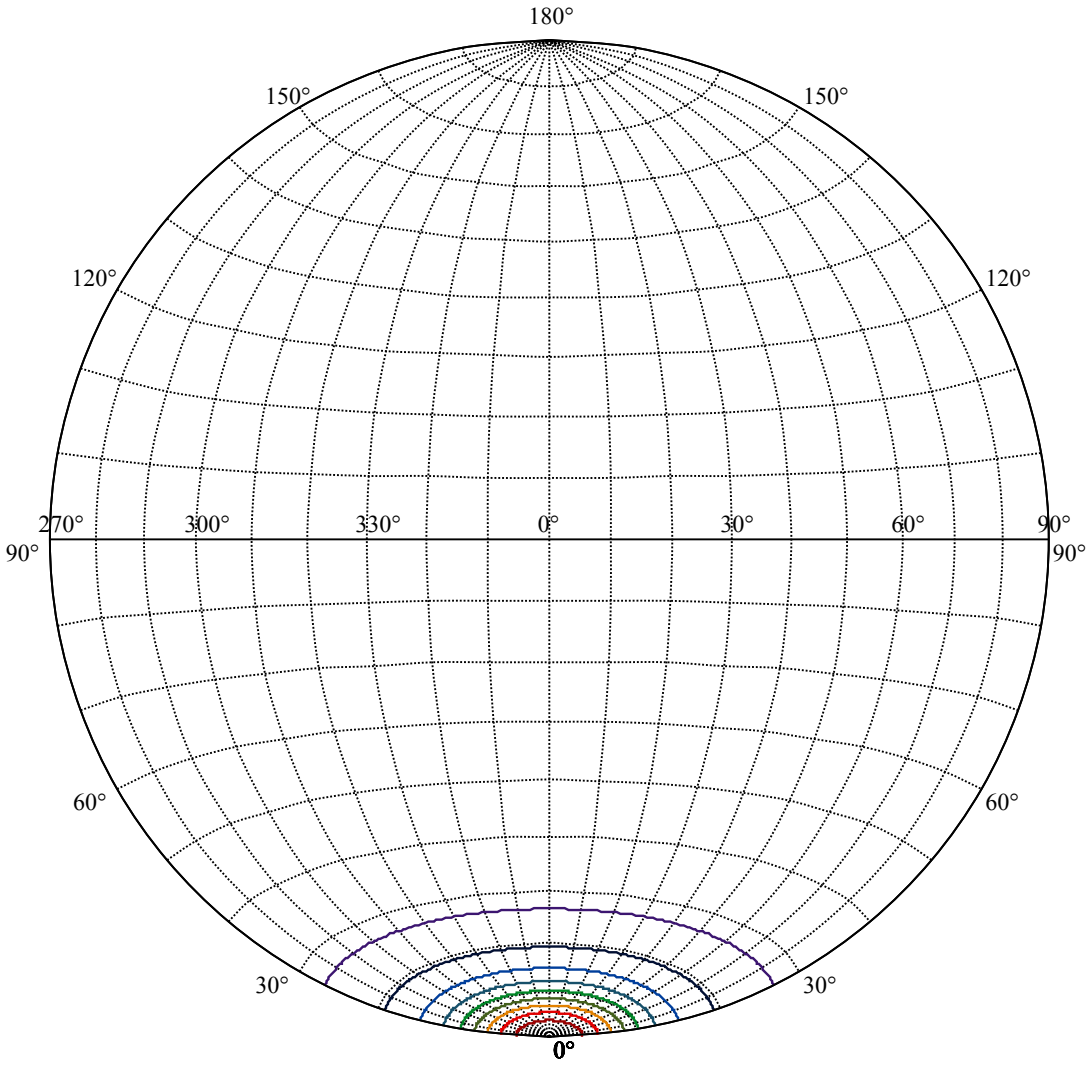
(10%Imax) 762.613
(20%Imax) 1525.23
(30%Imax) 2287.84
(40%Imax) 3050.45
(50%Imax) 3813.06
(60%Imax) 4575.68
(70%Imax) 5338.29
(80%Imax) 6100.9
(90%Imax) 6863.51

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/23
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



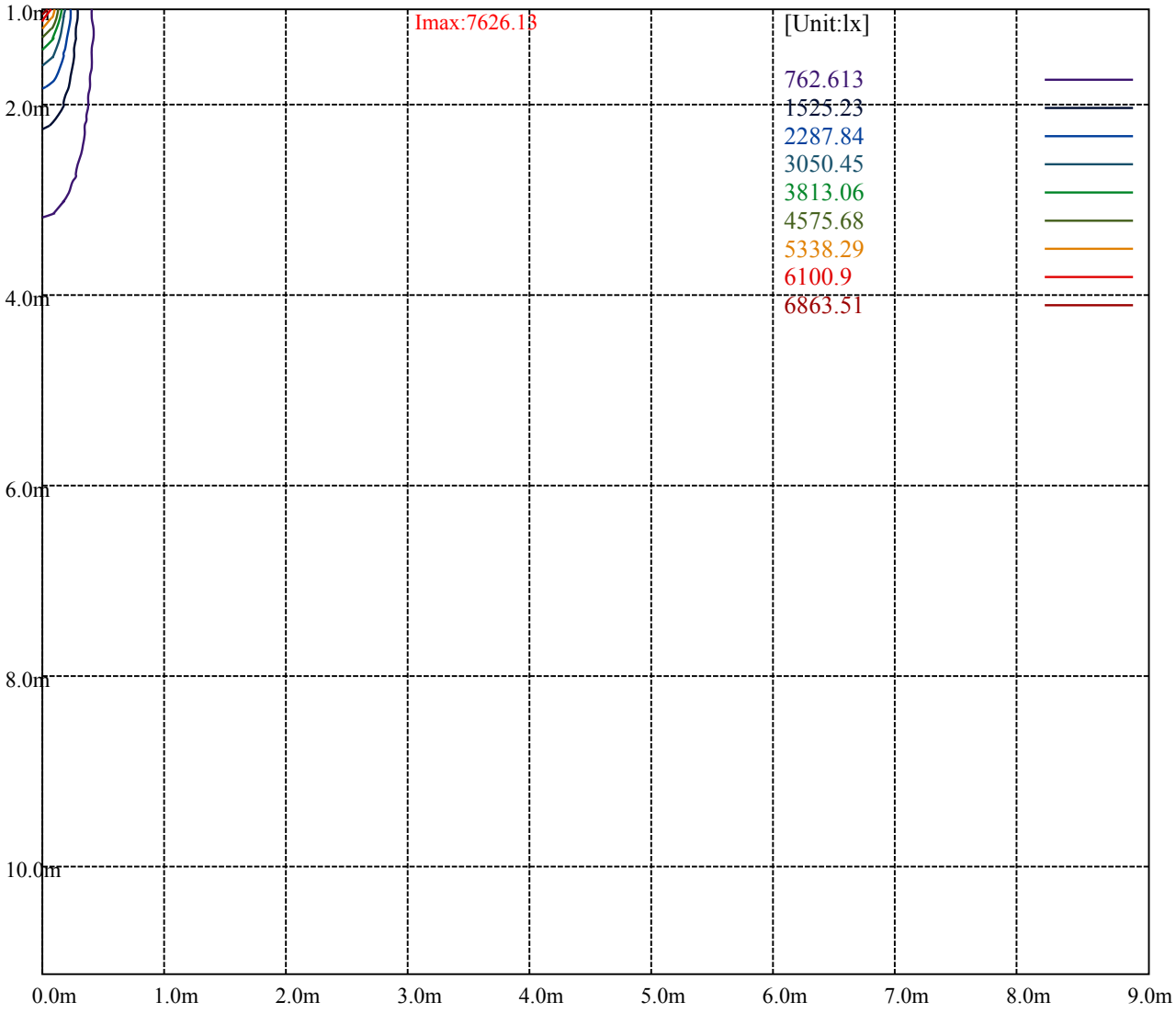
House [Unit:cd] Road

Imax:7626.13

(10%Imax) 762.613
(20%Imax) 1525.23
(30%Imax) 2287.84
(40%Imax) 3050.45
(50%Imax) 3813.06
(60%Imax) 4575.68
(70%Imax) 5338.29
(80%Imax) 6100.9
(90%Imax) 6863.51

Equipment: GMS1980 Date: 2024/7/23 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/23
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 1-1298-L

Luminance Limitting Curve(no luminous side)

Luminance Table

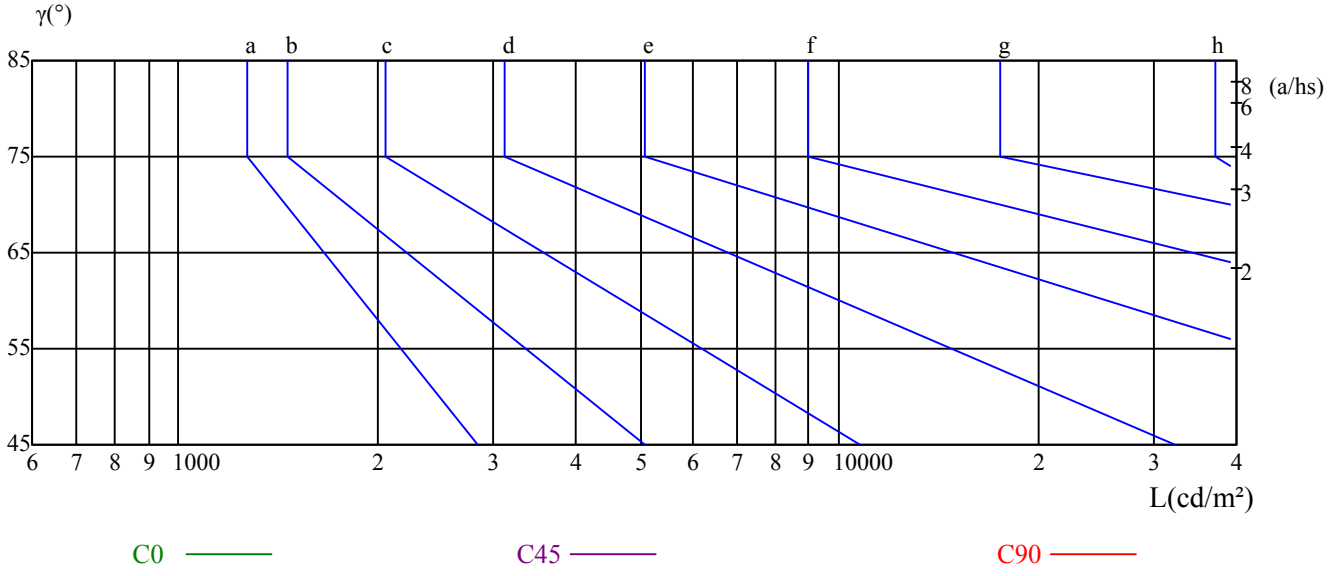
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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: GMS1980
Temperature(°C): 25.0

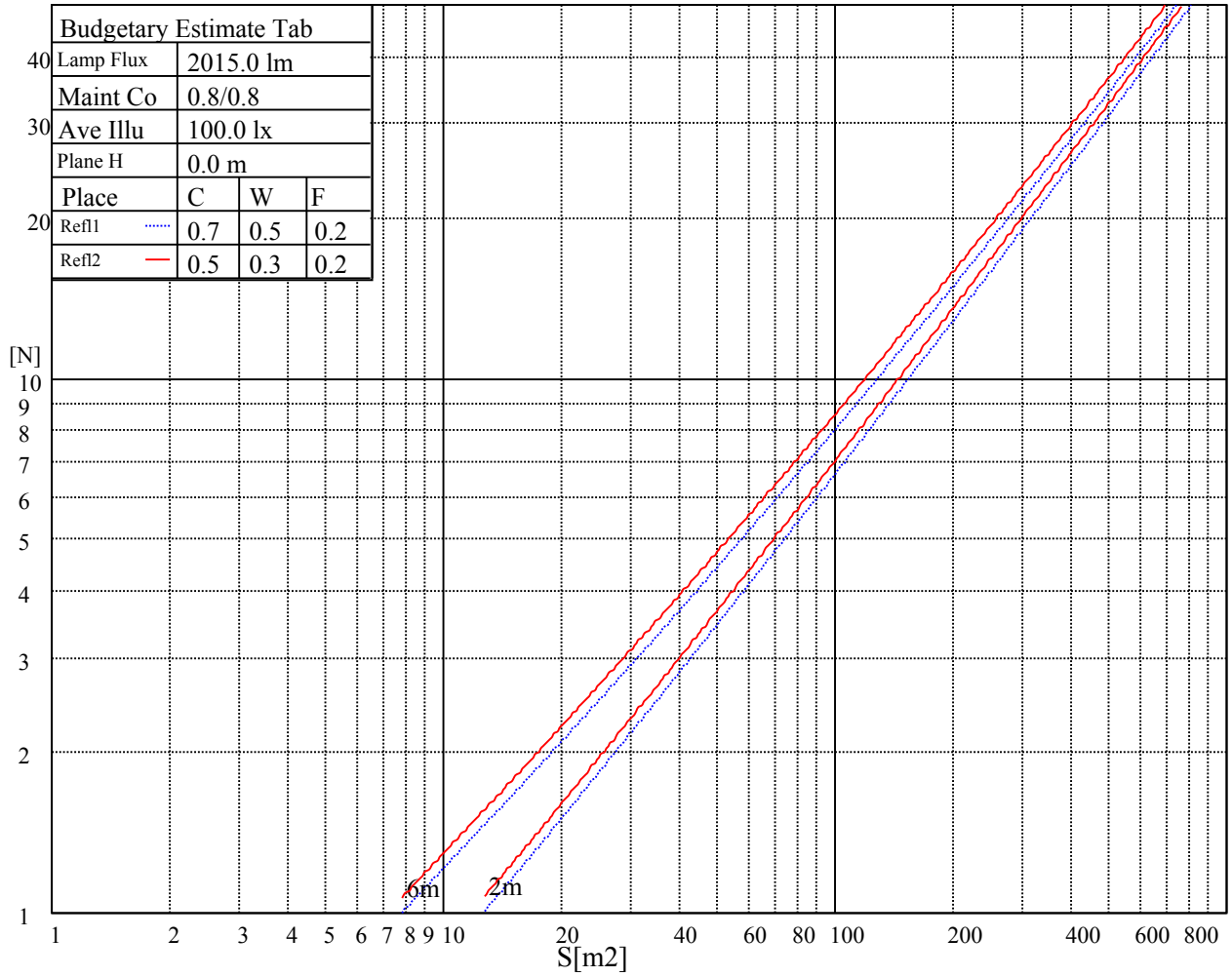
Date: 2024/7/23
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

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

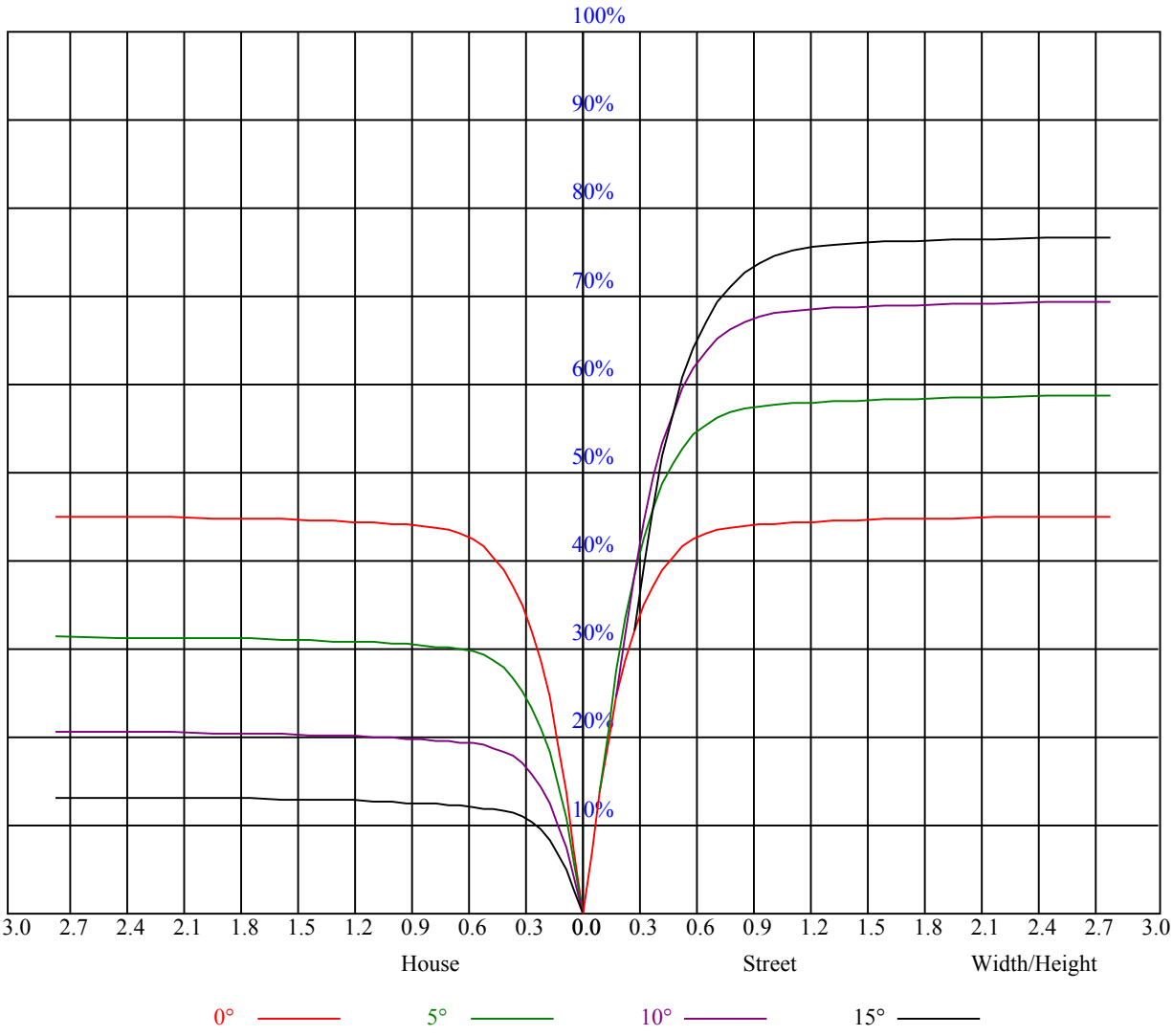


Equipment: GMS1980	Date: 2024/7/23	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

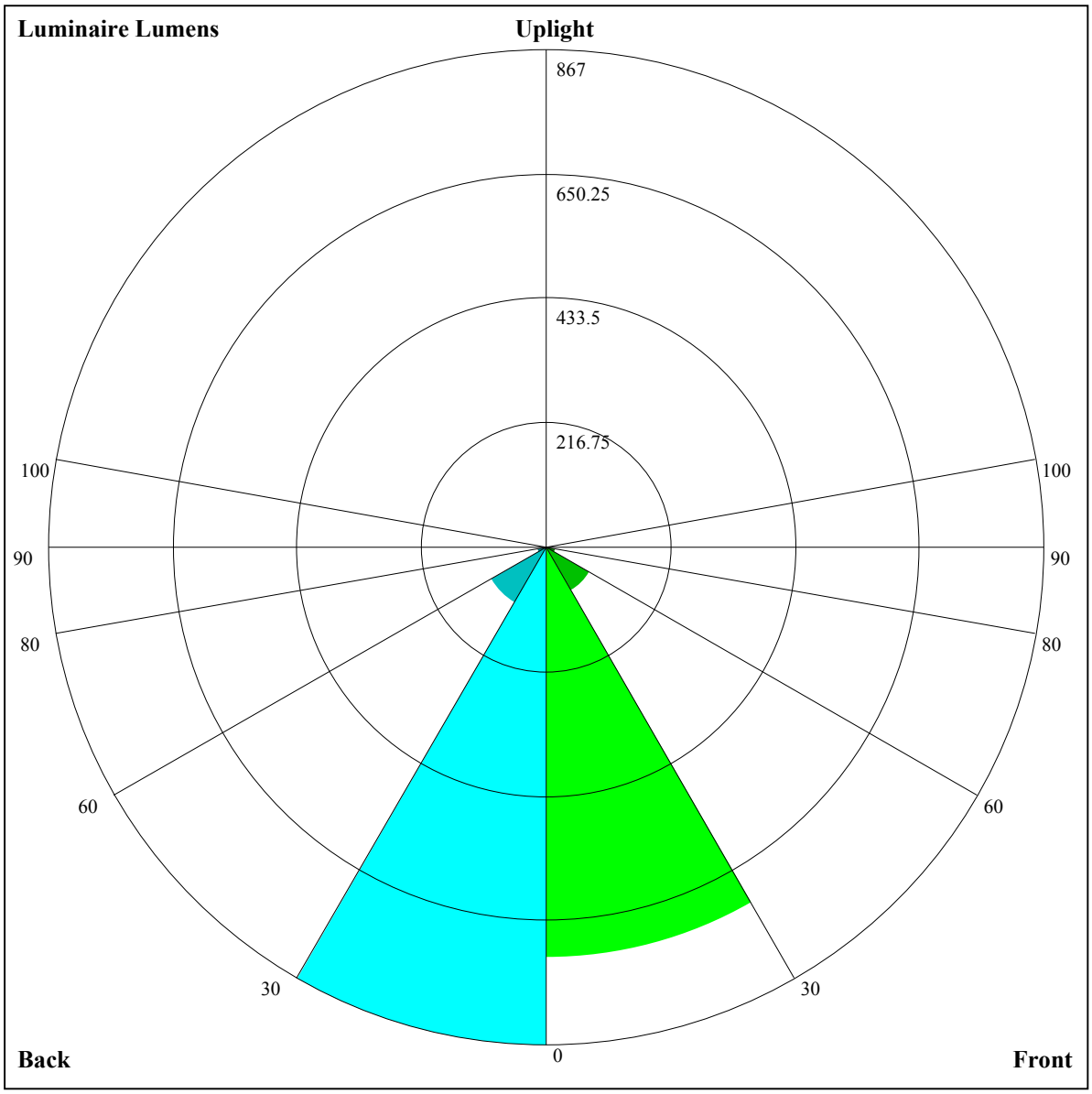
Utilization factor table for indoor luminaire

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	1.08	1.08	1.08	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.01	0.99	0.98	1.00	0.98	0.96	0.96	0.94	0.93	0.93	0.91	0.90	0.89	0.89	0.88	0.86
2	0.96	0.93	0.90	0.94	0.91	0.89	0.91	0.89	0.87	0.89	0.87	0.85	0.86	0.85	0.83	0.82
3	0.91	0.87	0.84	0.90	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.83	0.81	0.79	0.78
4	0.86	0.82	0.79	0.85	0.82	0.79	0.84	0.80	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.75
5	0.82	0.78	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.73	0.77	0.75	0.73	0.72
6	0.79	0.75	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
7	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.66
8	0.73	0.69	0.66	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.64
9	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.68	0.65	0.62	0.61
10	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.66	0.63	0.60	0.59

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/7/23	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=715.35,FM=87.27,FH=15.79,FVH=4.94
BL=867,BM=113.15,BH=16.88,BVH=5.19
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	7586.92	7126.93	6679.23	6177.69	5669.13	5011.34	4537.31	4097.22	3585.15
45.0	7684.06	7699.86	7613.84	7390.87	6988.82	6548.14	6078.79	5571.99	4935.85
90.0	7827.44	8037.54	8093.14	7991.89	7684.65	7299.57	6853.04	6173.01	5601.25
135.0	7406.08	7812.23	8194.96	8448.37	8529.13	8437.83	8114.79	7720.93	7045.00
180.0	7586.92	7856.70	8031.10	8075.58	7948.58	7710.40	7231.68	6763.50	6217.49
225.0	7684.06	7525.47	7190.72	6818.51	6398.32	5931.90	5308.05	4789.54	4331.89
270.0	7827.44	7518.44	7135.12	6601.40	6102.78	5591.30	5093.27	4608.12	4044.55
315.0	7406.08	6916.83	6281.86	5755.16	5205.63	4701.17	4113.61	3695.17	3332.33
360.0	7586.92	7126.93	6679.23	6177.69	5669.13	5011.34	4537.31	4097.22	3585.15

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3242.21	2947.25	2612.50	2382.51	2185.87	1970.51	1811.33	1670.29	1503.50
45.0	4461.81	4025.24	3615.58	3181.93	2893.41	2632.99	2353.83	2160.71	1978.70
90.0	5041.19	4361.74	3882.44	3463.42	3102.92	2741.84	2491.95	2270.73	2078.19
135.0	6451.58	5830.66	5213.24	4483.47	3961.45	3521.94	3147.40	2776.37	2525.30
180.0	5524.58	4969.20	4399.78	3911.12	3401.97	3050.84	2753.54	2518.87	2242.64
225.0	3893.56	3404.90	3091.22	2810.31	2509.50	2292.38	2101.60	1888.58	1741.69
270.0	3647.77	3212.94	2922.67	2647.03	2356.17	2148.42	1961.15	1761.00	1612.94
315.0	2938.47	2671.61	2443.37	2185.87	2002.70	1840.01	1667.36	1539.79	1418.64
360.0	3242.21	2947.25	2612.50	2382.51	2185.87	1970.51	1811.33	1670.29	1503.50

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1392.89	1156.76	1156.76	1058.38	973.81	891.06	811.41	711.98	635.91
45.0	1778.56	1652.15	1491.21	1374.75	1275.26	1177.53	1058.15	973.87	886.09
90.0	1870.44	1714.77	1540.37	1421.57	1165.24	1165.24	1094.14	1009.45	929.28
135.0	2307.60	2122.08	1906.14	1757.49	1583.68	1464.29	1341.98	1210.30	1110.82
180.0	2061.81	1891.51	1691.94	1560.85	1417.47	1317.40	1219.08	1130.13	1020.11
225.0	1606.50	1452.00	1155.76	1155.76	1130.48	1017.76	928.93	846.41	766.06
270.0	1487.12	1370.66	1232.54	1134.81	1040.00	951.63	849.22	770.21	695.89
315.0	1150.08	1150.08	1075.18	983.53	900.08	802.17	727.26	654.40	562.87
360.0	1392.89	1156.76	1156.76	1058.38	973.81	891.06	811.41	711.98	635.91

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	558.60	465.78	398.01	338.03	270.73	223.32	180.66	136.83	108.97
45.0	802.99	707.01	632.69	565.97	478.77	414.40	352.36	297.94	297.94
90.0	828.03	746.28	667.74	593.54	521.79	437.34	376.30	319.01	256.45
135.0	1017.76	905.40	821.13	741.54	664.29	573.58	503.94	436.05	372.26
180.0	928.81	848.05	768.46	668.39	587.62	517.40	428.44	355.88	304.96
225.0	668.68	594.41	521.79	448.81	366.18	308.18	244.68	198.92	159.36
270.0	604.01	534.37	446.59	380.45	319.01	305.55	243.22	165.91	133.08
315.0	490.48	402.05	339.37	285.24	225.66	183.76	147.94	119.09	92.06
360.0	558.60	465.78	398.01	338.03	270.73	223.32	180.66	136.83	108.97

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	87.55	71.28	56.88	48.98	43.54	39.03	36.23	33.94	32.01
45.0	186.69	141.10	113.42	92.17	76.14	63.03	55.95	50.97	47.52
90.0	211.97	173.81	134.25	108.97	85.62	71.46	60.92	53.31	46.35
135.0	302.62	302.62	241.11	164.45	124.95	101.19	79.24	66.72	57.94
180.0	304.96	188.09	147.83	118.45	86.26	69.29	54.72	47.29	42.08
225.0	119.03	94.28	76.20	60.63	52.49	46.94	43.25	39.44	36.99
270.0	106.80	82.63	68.88	58.87	51.44	45.59	41.96	38.86	35.64
315.0	75.85	63.97	55.48	48.28	44.36	41.20	38.80	35.99	33.88
360.0	87.55	71.28	56.88	48.98	43.54	39.03	36.23	33.94	32.01

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	29.85	28.44	27.33	26.22	25.46	24.81	24.29	23.99	23.76
45.0	43.83	41.55	39.50	37.69	35.70	34.29	32.95	31.95	30.90
90.0	42.55	39.39	36.46	33.47	31.54	29.79	28.38	26.86	25.93
135.0	50.27	46.06	42.60	39.74	36.81	34.70	32.89	31.31	29.50
180.0	38.51	35.23	33.12	31.31	29.90	28.38	27.33	26.39	25.63
225.0	35.23	33.42	32.13	31.13	30.49	29.90	29.55	29.09	28.85
270.0	33.59	31.54	30.08	28.91	27.68	26.69	25.98	25.52	24.99
315.0	31.95	30.61	29.44	28.09	27.27	26.57	26.10	25.57	25.28
360.0	29.85	28.44	27.33	26.22	25.46	24.81	24.29	23.99	23.76

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	23.53	23.53	23.53	23.41	23.12	22.71	22.24	21.42	20.42
45.0	29.96	29.32	28.79	28.27	27.68	27.33	26.92	26.22	25.16
90.0	24.87	24.23	23.70	23.17	22.82	22.53	22.41	22.18	21.77
135.0	28.44	27.45	26.39	25.63	24.93	24.58	24.11	23.82	23.58
180.0	24.76	24.11	23.53	23.17	22.94	22.65	22.47	22.36	22.36
225.0	28.79	28.50	28.32	28.15	27.92	27.51	26.69	25.52	24.52
270.0	24.64	24.52	24.40	24.17	23.64	23.00	22.30	21.24	20.13
315.0	25.28	25.11	24.70	24.29	23.70	23.06	22.12	20.95	19.90
360.0	23.53	23.53	23.53	23.41	23.12	22.71	22.24	21.42	20.42

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.55	18.49	17.62	16.80	15.98	15.27	14.63	14.16	13.58
45.0	24.29	23.17	21.71	20.66	19.61	18.02	17.03	15.98	15.16
90.0	21.24	20.54	19.84	18.90	18.02	16.97	16.21	15.45	14.75
135.0	23.53	23.23	22.77	22.06	21.42	20.37	19.08	18.14	17.03
180.0	22.12	21.83	21.42	20.72	19.72	19.02	18.14	17.03	16.33
225.0	22.71	21.54	20.31	18.73	17.67	16.91	16.04	15.22	14.51
270.0	18.90	17.97	17.21	16.15	15.63	15.10	14.57	13.99	13.58
315.0	18.90	17.85	16.85	16.15	15.45	14.81	14.10	13.58	13.11
360.0	19.55	18.49	17.62	16.80	15.98	15.27	14.63	14.16	13.58

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.17	12.70	12.35	11.94	11.59	11.18	10.94	10.65	10.30
45.0	14.46	13.87	13.11	12.70	12.29	11.94	11.47	11.12	10.83
90.0	14.28	13.69	13.28	12.87	12.52	12.06	11.76	11.41	11.12
135.0	15.86	15.10	14.46	13.75	13.23	12.87	12.47	12.11	11.82
180.0	15.57	14.98	14.51	13.87	13.46	13.11	12.70	12.23	11.94
225.0	13.81	13.17	12.64	12.23	11.82	11.41	11.12	10.77	10.42
270.0	13.11	12.76	12.29	11.88	11.59	11.18	10.77	10.42	10.12
315.0	12.64	12.17	11.88	11.41	11.12	10.77	10.48	10.18	9.95
360.0	13.17	12.70	12.35	11.94	11.59	11.18	10.94	10.65	10.30

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.12	9.83	9.66	9.36	9.13	8.43	7.96	7.84	7.78
45.0	10.48	10.24	9.83	9.60	9.31	9.01	8.43	8.19	8.02
90.0	10.77	10.48	10.12	9.83	9.60	9.01	8.72	8.49	8.25
135.0	11.41	11.12	10.83	10.48	10.18	9.95	9.31	9.07	8.78
180.0	11.59	11.24	10.89	10.53	10.18	9.60	9.19	8.95	8.72
225.0	10.18	9.89	9.54	9.31	8.78	8.37	8.13	7.96	7.72
270.0	9.89	9.66	9.42	9.19	8.95	8.31	7.96	7.90	7.84
315.0	9.71	9.54	9.31	9.07	8.54	8.08	8.02	8.02	7.96
360.0	10.12	9.83	9.66	9.36	9.13	8.43	7.96	7.84	7.78

Intensity data(cd)

C/γ(°)	90.0
0.0	7.78
45.0	7.84
90.0	8.13
135.0	8.60
180.0	8.43
225.0	7.72
270.0	7.84
315.0	7.96
360.0	7.78