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

NT

Client:
LumCAT: 1-1207-L
Luminaire: 92.70.427.00
Report No: 2024724-B002
Ballast type: AC

Test No: 2024724-C002	Voltage(V): 36.200
LampCAT: P2121-018-1203-P3090-1	Current(A): 0.360
Lamp flux(lm): 2004.0	Power (W): 13.032
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1827.13, Efficiency(%): 91.17% , Luminous Efficacy(lm/W): 140.20
Central intensity(cd): 6016.318, Maximum intensity(cd): 6016.318
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=27.2
[C90/270]Total=27.2
Field angle(10%Imax): [C0/180]Total=58.2
[C90/270]Total=58.2
Maximum s/h(1/2): C0_180=0.46 C90_270=0.46
Maximum s/h(1/4): C0_180=0.46 C90_270=0.46
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.17%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.974%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6016.318	0.000	0	0.00%	0.00%
1.0	5998.907	5.749	5.749	0.29%	0.31%
2.0	5949.748	17.150	22.899	0.86%	1.25%
3.0	5867.598	28.263	51.162	1.41%	2.80%
4.0	5748.138	38.882	90.044	1.94%	4.93%
5.0	5585.153	48.755	138.799	2.43%	7.60%
6.0	5383.690	57.644	196.443	2.88%	10.75%
7.0	5144.845	65.350	261.794	3.26%	14.33%
8.0	4884.566	71.779	333.572	3.58%	18.26%
9.0	4601.975	76.883	410.455	3.84%	22.46%
10.0	4280.906	80.387	490.842	4.01%	26.86%
11.0	3938.623	82.130	572.972	4.10%	31.36%
12.0	3580.392	82.194	655.166	4.10%	35.86%
13.0	3233.280	80.861	736.027	4.03%	40.28%
14.0	2881.780	78.272	814.299	3.91%	44.57%
15.0	2537.960	74.405	888.704	3.71%	48.64%
16.0	2226.840	69.818	958.521	3.48%	52.46%
17.0	1958.733	65.181	1023.702	3.25%	56.03%
18.0	1717.474	60.613	1084.315	3.02%	59.35%
19.0	1463.245	55.338	1139.653	2.76%	62.37%
20.0	1310.026	50.759	1190.411	2.53%	65.15%
21.0	1205.973	48.312	1238.724	2.41%	67.80%
22.0	1115.249	46.646	1285.37	2.33%	70.35%
23.0	1032.651	45.069	1330.438	2.25%	72.82%
24.0	959.842	43.563	1374.001	2.17%	75.20%
25.0	892.475	42.118	1416.119	2.10%	77.51%
26.0	826.894	40.586	1456.705	2.03%	79.73%
27.0	763.126	38.900	1495.605	1.94%	81.86%
28.0	690.602	36.805	1532.41	1.84%	83.87%
29.0	612.628	34.096	1566.507	1.70%	85.74%
30.0	531.487	30.891	1597.397	1.54%	87.43%
31.0	454.830	27.448	1624.845	1.37%	88.93%
32.0	373.586	23.733	1648.578	1.18%	90.23%
33.0	310.791	20.162	1668.74	1.01%	91.33%
34.0	243.154	16.764	1685.504	0.84%	92.25%
35.0	203.154	13.861	1699.365	0.69%	93.01%
36.0	157.806	11.493	1710.858	0.57%	93.64%
37.0	109.935	8.732	1719.59	0.44%	94.11%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	88.566	6.626	1726.216	0.33%	94.48%
39.0	76.284	5.627	1731.843	0.28%	94.78%
40.0	68.025	5.033	1736.876	0.25%	95.06%
41.0	61.529	4.613	1741.489	0.23%	95.31%
42.0	56.174	4.276	1745.765	0.21%	95.55%
43.0	51.061	3.972	1749.738	0.20%	95.76%
44.0	46.445	3.680	1753.418	0.18%	95.97%
45.0	41.902	3.395	1756.813	0.17%	96.15%
46.0	38.076	3.128	1759.941	0.16%	96.32%
47.0	34.733	2.896	1762.837	0.14%	96.48%
48.0	31.873	2.693	1765.529	0.13%	96.63%
49.0	29.532	2.522	1768.051	0.13%	96.77%
50.0	27.725	2.387	1770.438	0.12%	96.90%
51.0	26.086	2.277	1772.715	0.11%	97.02%
52.0	24.770	2.182	1774.897	0.11%	97.14%
53.0	23.570	2.103	1777	0.10%	97.26%
54.0	22.568	2.034	1779.033	0.10%	97.37%
55.0	21.646	1.974	1781.007	0.10%	97.48%
56.0	20.783	1.917	1782.924	0.10%	97.58%
57.0	20.044	1.867	1784.791	0.09%	97.68%
58.0	19.290	1.819	1786.61	0.09%	97.78%
59.0	18.574	1.770	1788.38	0.09%	97.88%
60.0	17.930	1.725	1790.105	0.09%	97.97%
61.0	17.279	1.680	1791.785	0.08%	98.07%
62.0	16.745	1.639	1793.424	0.08%	98.16%
63.0	16.189	1.602	1795.026	0.08%	98.24%
64.0	15.655	1.563	1796.589	0.08%	98.33%
65.0	15.150	1.525	1798.113	0.08%	98.41%
66.0	14.623	1.485	1799.599	0.07%	98.49%
67.0	14.199	1.449	1801.048	0.07%	98.57%
68.0	13.738	1.415	1802.463	0.07%	98.65%
69.0	13.358	1.382	1803.845	0.07%	98.73%
70.0	12.963	1.352	1805.197	0.07%	98.80%
71.0	12.641	1.323	1806.521	0.07%	98.87%
72.0	12.312	1.297	1807.818	0.06%	98.94%
73.0	12.012	1.272	1809.09	0.06%	99.01%
74.0	11.712	1.247	1810.337	0.06%	99.08%
75.0	11.405	1.221	1811.558	0.06%	99.15%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.127	1.196	1812.755	0.06%	99.21%
77.0	10.841	1.171	1813.926	0.06%	99.28%
78.0	10.600	1.148	1815.074	0.06%	99.34%
79.0	10.344	1.125	1816.199	0.06%	99.40%
80.0	10.102	1.102	1817.301	0.06%	99.46%
81.0	9.883	1.081	1818.382	0.05%	99.52%
82.0	9.664	1.060	1819.442	0.05%	99.58%
83.0	9.437	1.038	1820.48	0.05%	99.64%
84.0	9.210	1.016	1821.496	0.05%	99.69%
85.0	8.998	0.994	1822.49	0.05%	99.75%
86.0	8.749	0.970	1823.46	0.05%	99.80%
87.0	8.566	0.948	1824.407	0.05%	99.85%
88.0	8.332	0.926	1825.333	0.05%	99.90%
89.0	8.164	0.904	1826.237	0.05%	99.95%
90.0	8.076	0.890	1827.128	0.04%	100.00%

Zonal flux distribution table

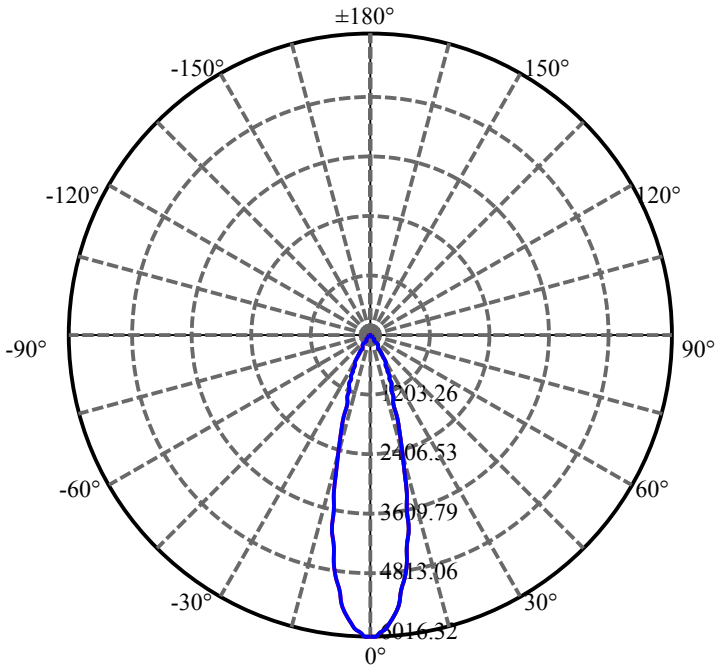
ZONAL LUMEN SUMMARY

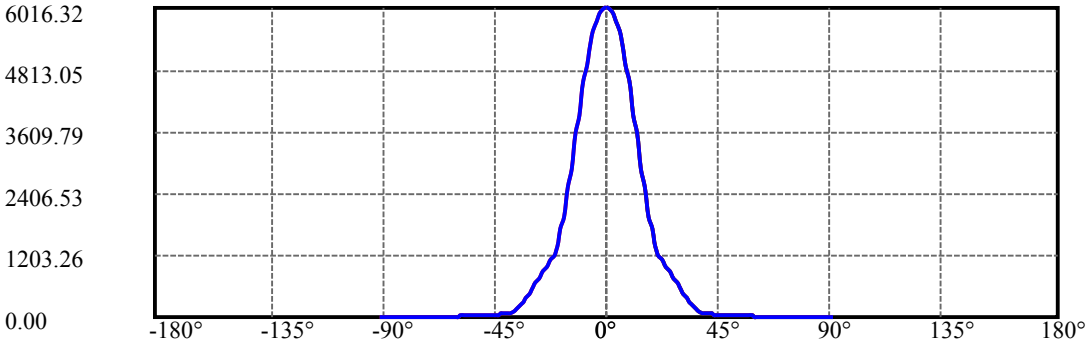
Zone	Lumens	%Lamp	%Fixt
0-30	1597.40	79.71%	87.43%
0-40	1736.88	86.67%	95.06%
0-60	1790.10	89.33%	97.97%
0-90	1826.24	91.13%	99.95%
0-120	1826.24	91.13%	99.95%
0-180	1827.13	91.17%	100.00%
60-90	36.13	1.80%	1.98%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.13	1461.70	72.94%	80.00%

ZONAL LUMEN SUMMARY

0-10	490.84
10-20	699.57
20-30	406.99
30-40	139.48
40-50	33.56
50-60	19.67
60-70	15.09
70-80	12.10
80-90	8.94
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):

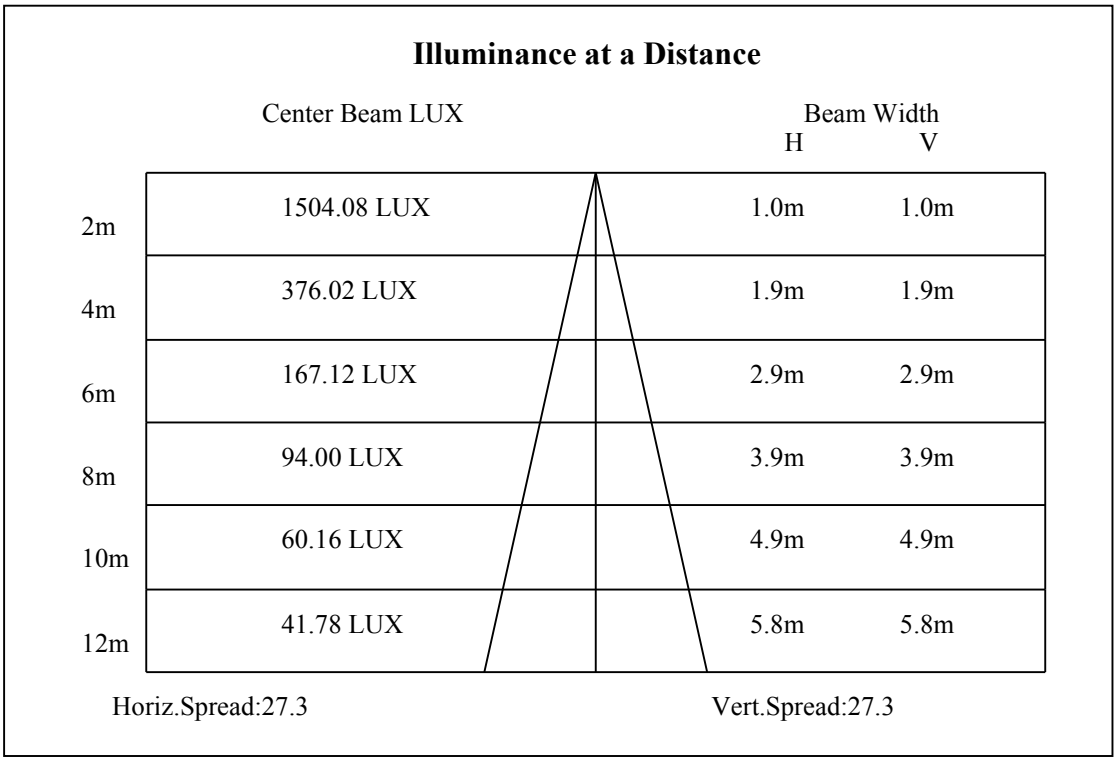
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:29.1 Right:29.1
:C90/270Left:29.1 Right:29.1

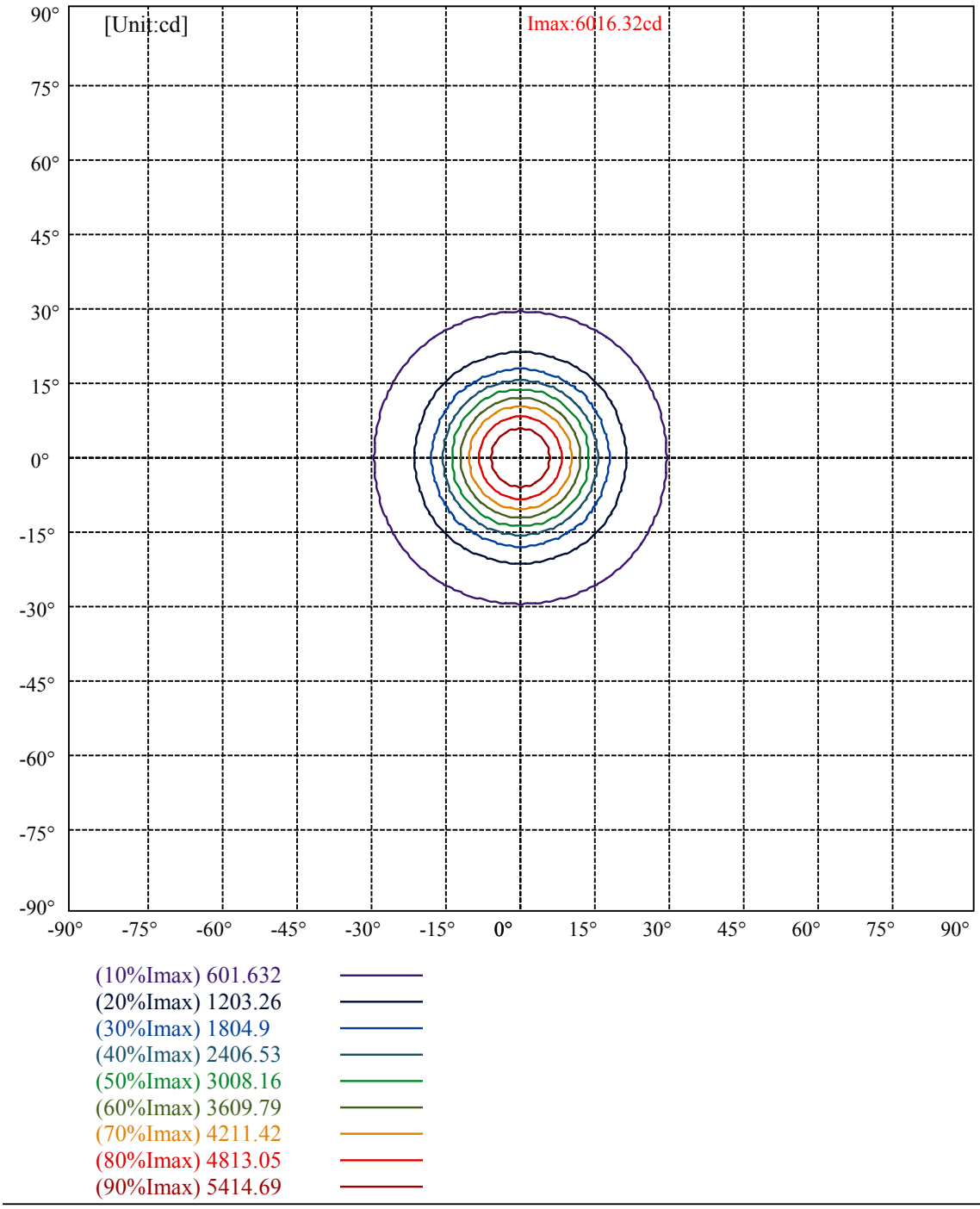
Beam Angle(50%Imax):C0/180Left:13.6 Right:13.6
:C90/270Left:13.6 Right:13.6

Lux distance Curve



Equipment: GMS1980 Date: 2024/7/24 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

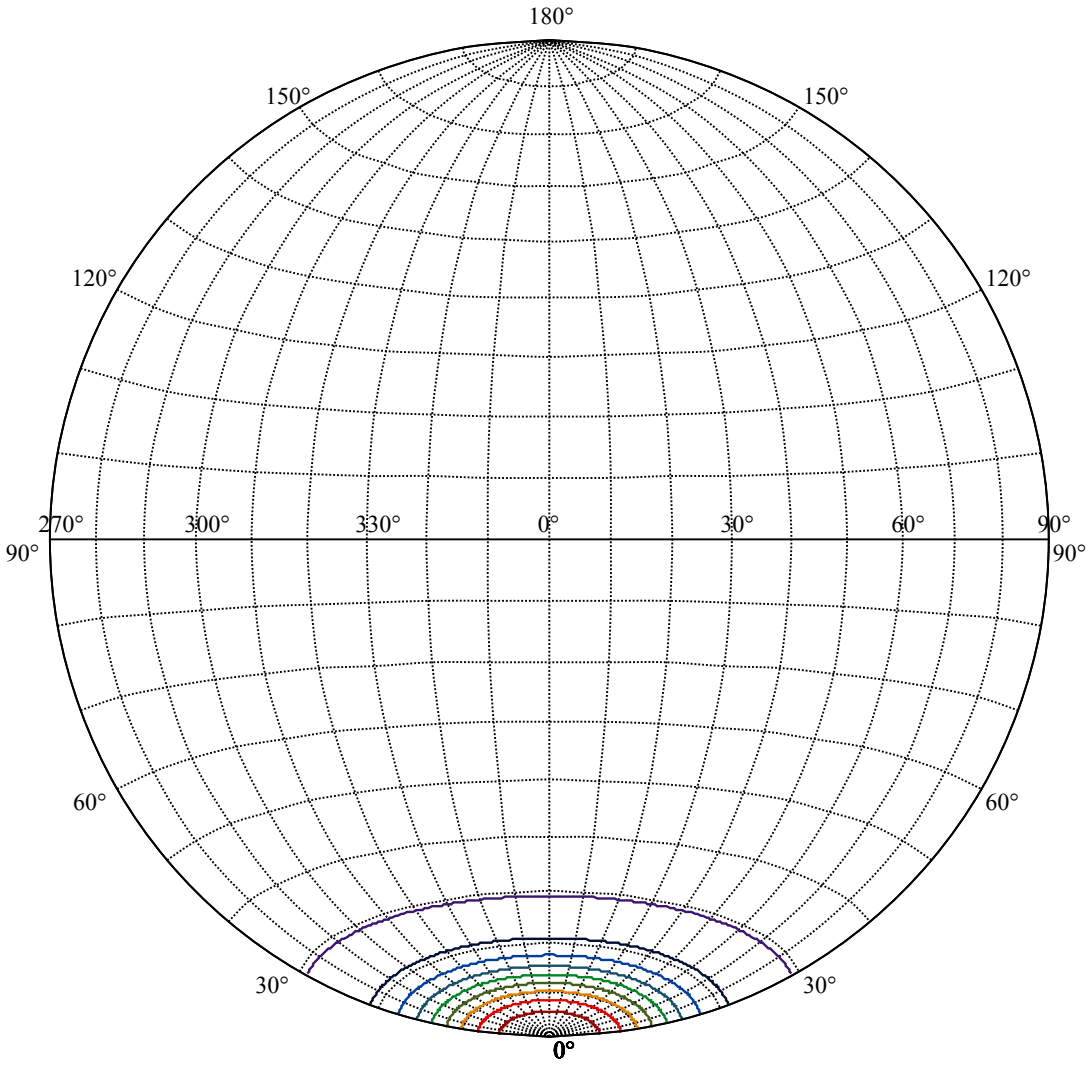


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/24
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



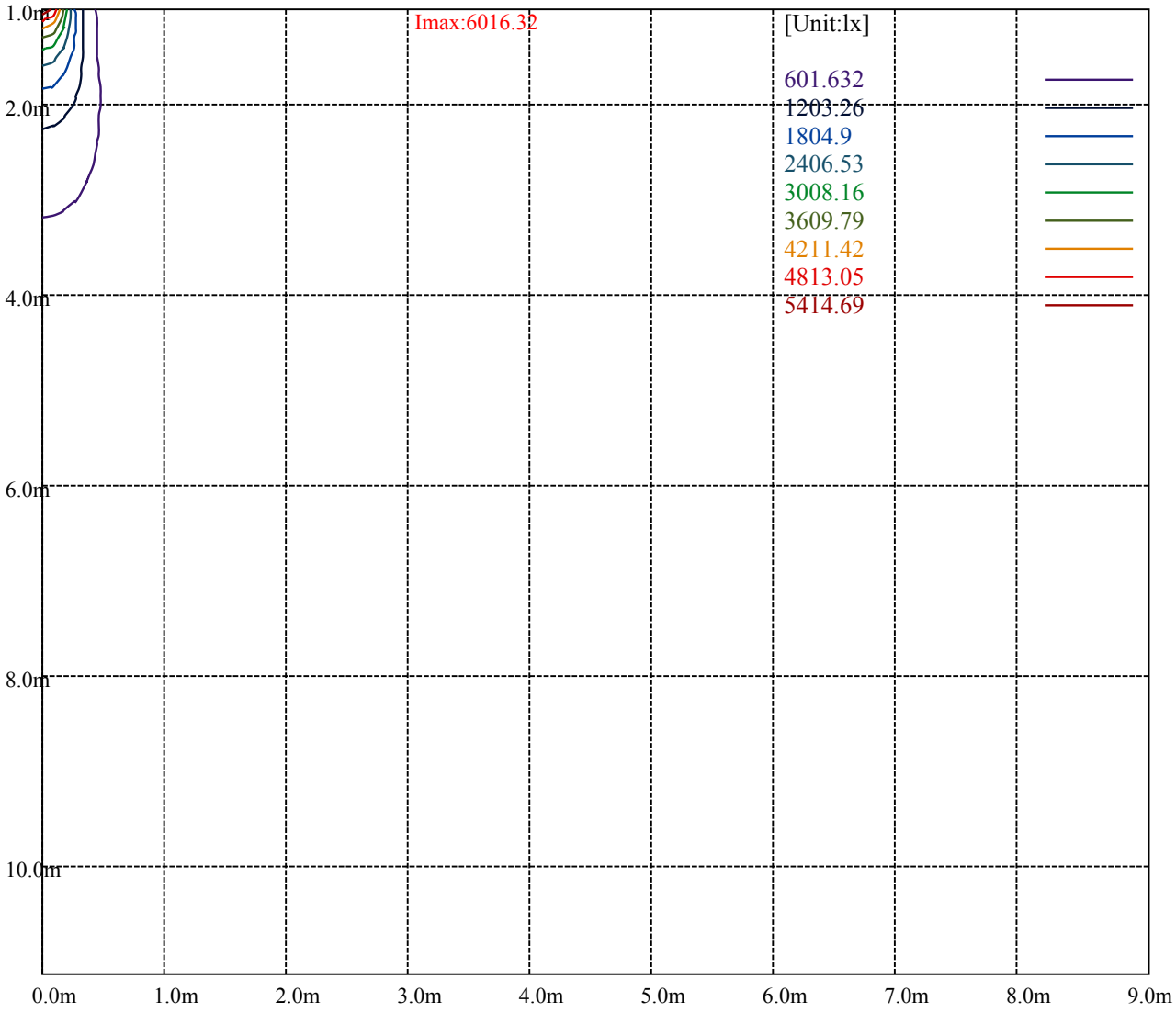
House [Unit:cd] Road

Imax:6016.32

(10%Imax) 601.632
(20%Imax) 1203.26
(30%Imax) 1804.9
(40%Imax) 2406.53
(50%Imax) 3008.16
(60%Imax) 3609.79
(70%Imax) 4211.42
(80%Imax) 4813.05
(90%Imax) 5414.69

Equipment: GMS1980	Date: 2024/7/24	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/24
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 1-1207-L

Luminance Limitting Curve(no luminous side)

Luminance Table

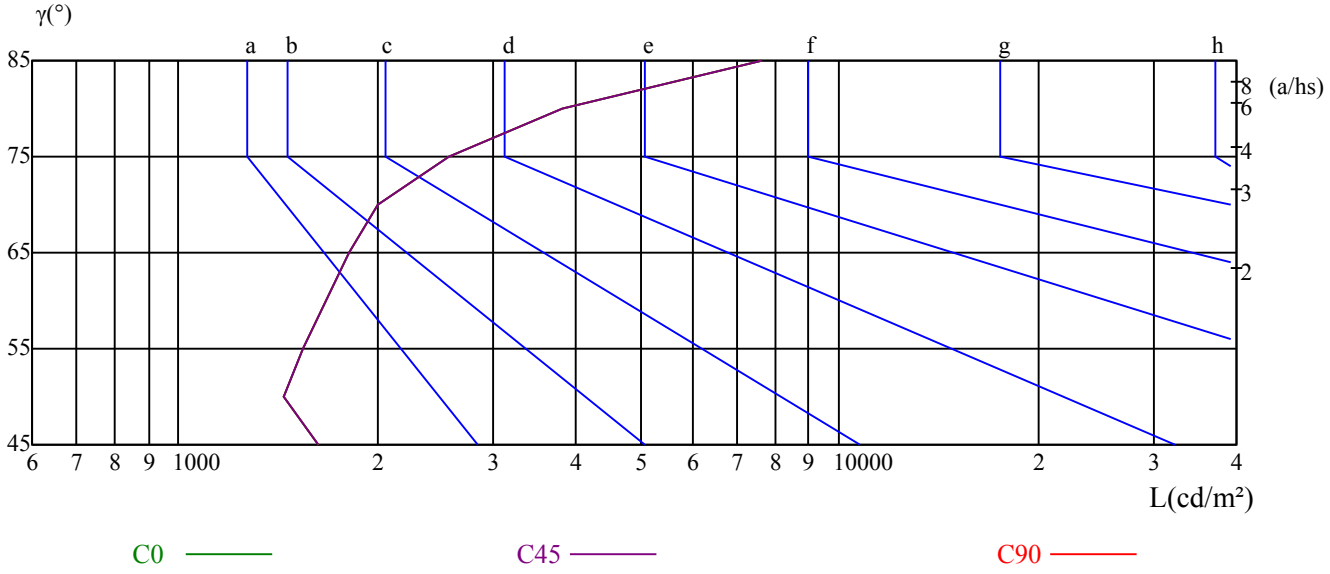
γ	45	50	55	60	65	70	75	80	85
C0	1631	1440	1544	1667	1806	1998	2572	3816	7630
C45	1631	1440	1544	1667	1806	1998	2572	3816	7630
C90	1631	1440	1544	1667	1806	1998	2572	3816	7630

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1806	1806	1806	2572	2572	2572	7630	7630	7630

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

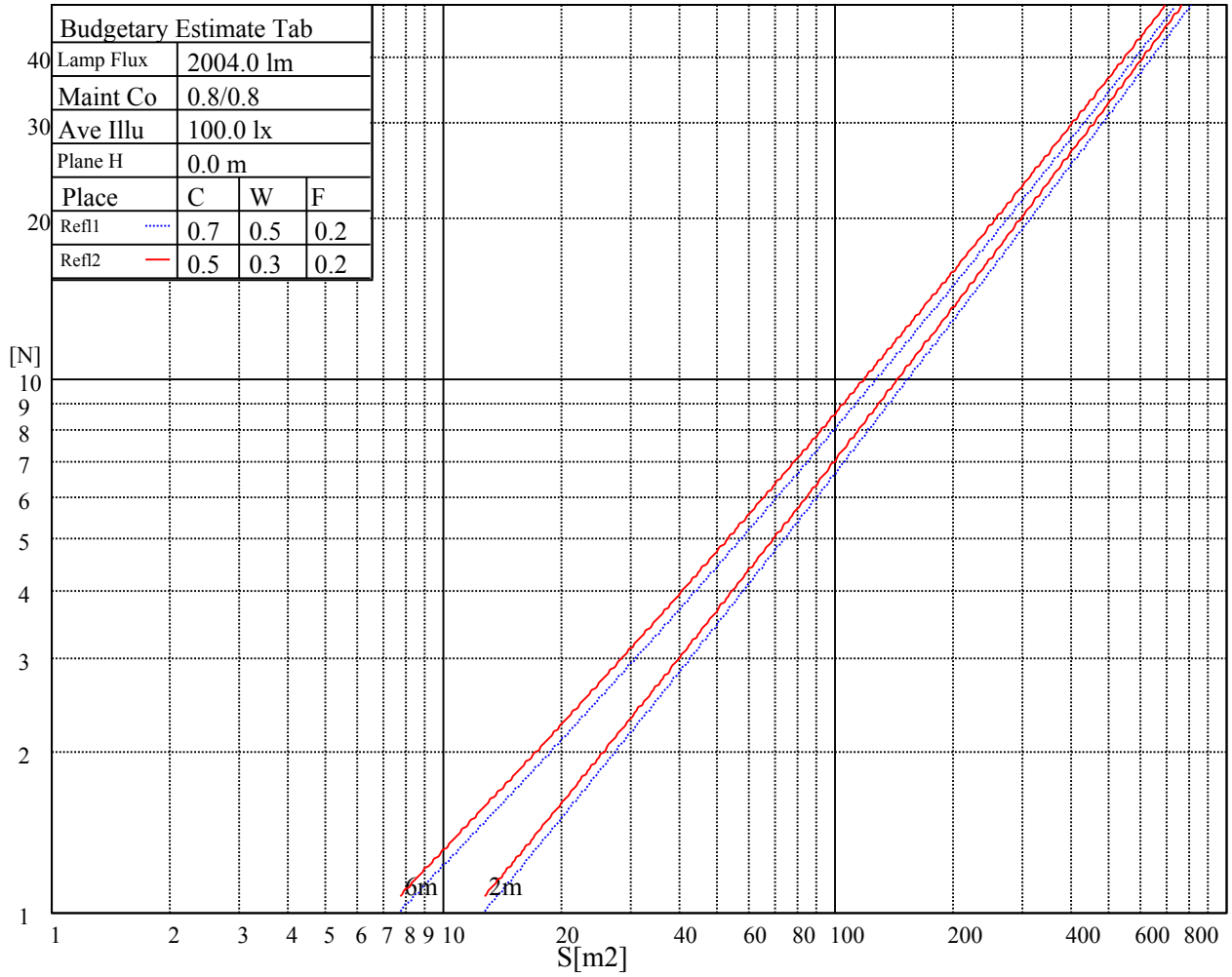
Date: 2024/7/24
Humidity(%): 60.0%

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

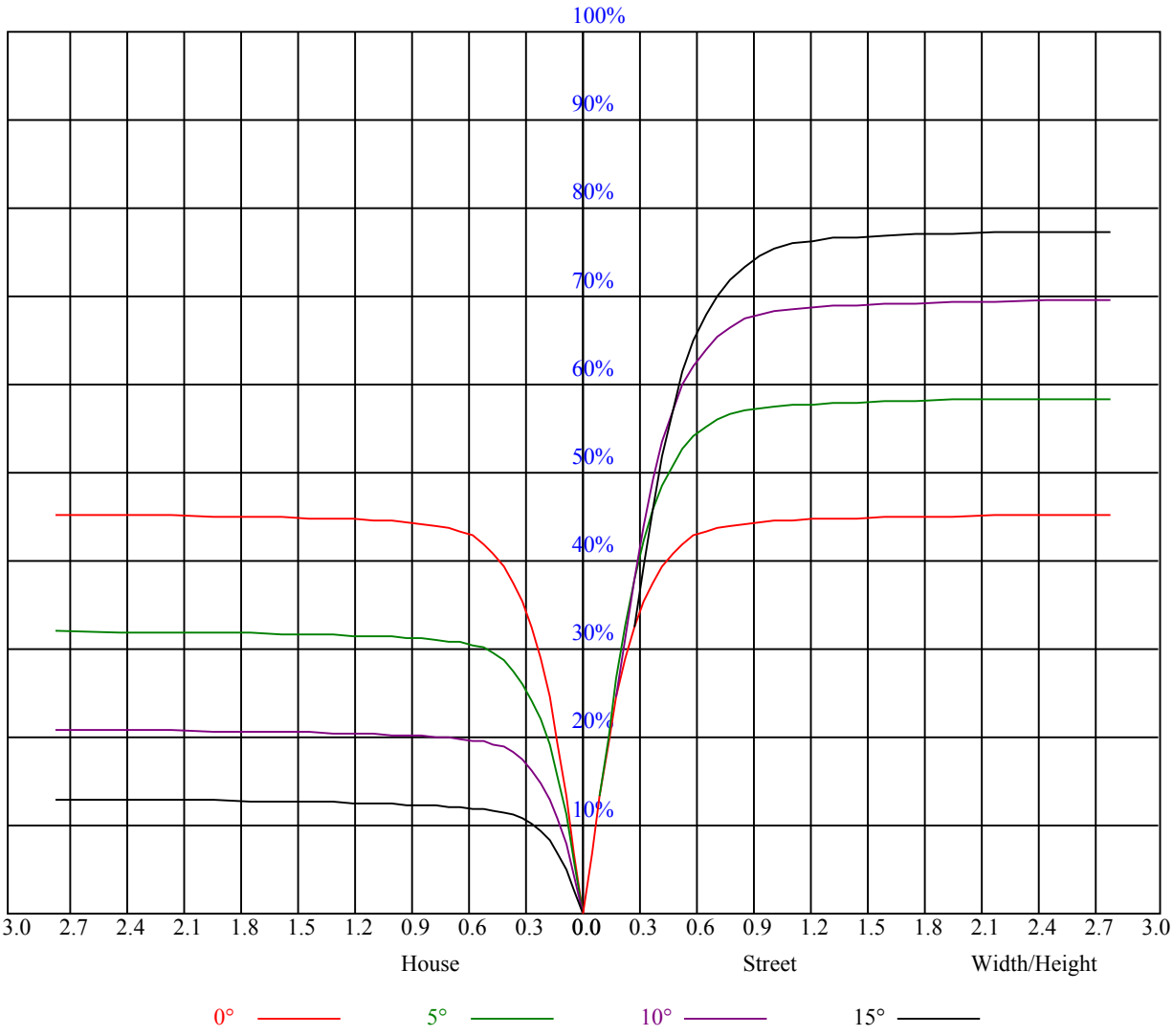


Equipment: GMS1980 Date: 2024/7/24 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

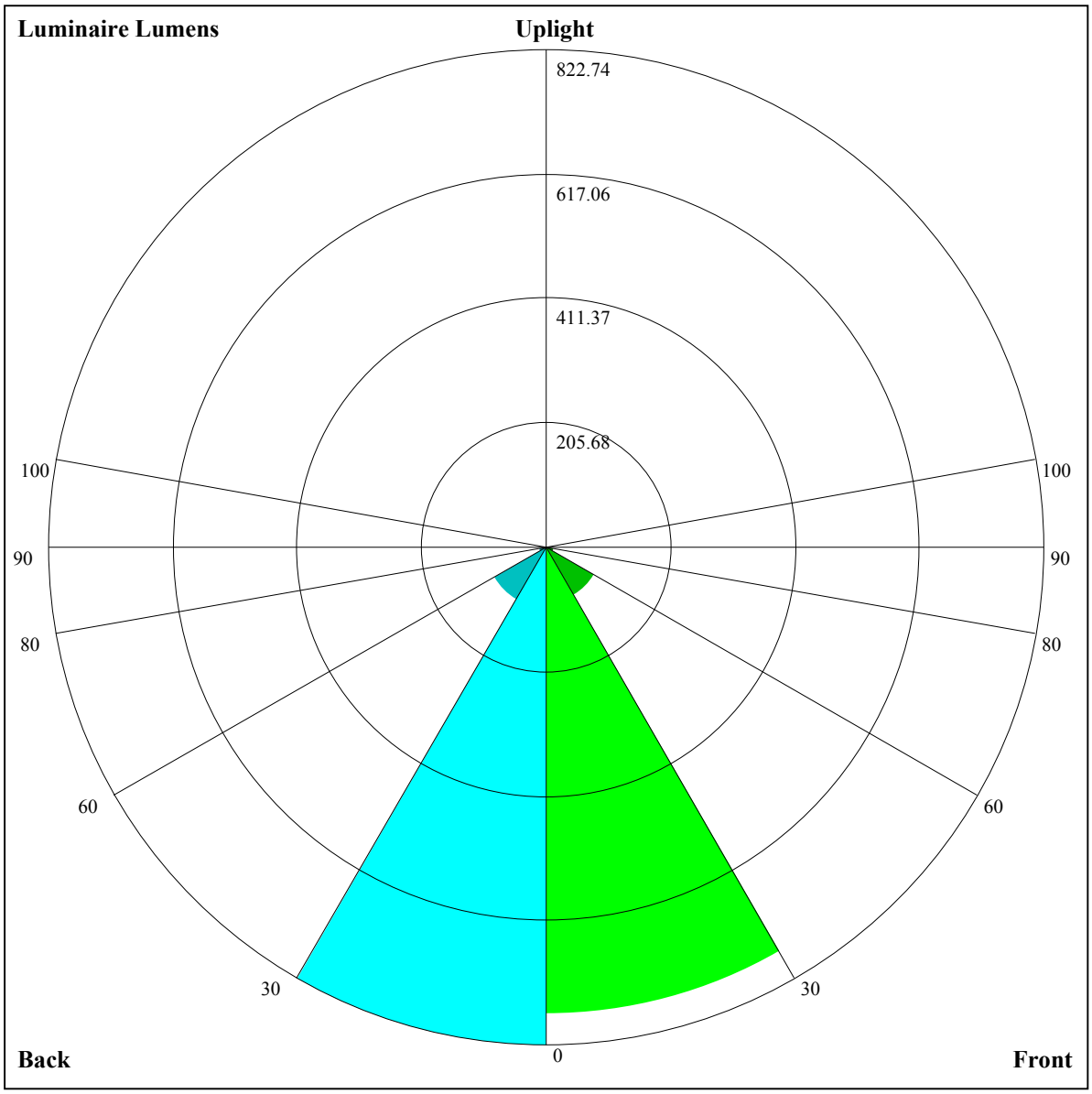
Utilization factor table for indoor luminaire

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	1.09	1.09	1.09	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	1.02	1.00	0.98	1.00	0.98	0.96	0.96	0.95	0.93	0.93	0.92	0.91	0.90	0.89	0.88	0.86
2	0.96	0.93	0.90	0.95	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.86	0.85	0.84	0.82
3	0.91	0.87	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.85	0.83	0.81	0.83	0.81	0.80	0.78
4	0.87	0.82	0.79	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.75
5	0.83	0.78	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.78	0.75	0.73	0.72
6	0.79	0.75	0.72	0.79	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
7	0.76	0.72	0.69	0.76	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.73	0.70	0.67	0.66
8	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.68	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	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.62
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: 2024/7/24	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=773.03,FM=92.04,FH=13.59,FVH=4.88
BL=822.74,BM=101.34,BH=13.57,BVH=4.94
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	6009.73	5955.31	5861.67	5746.38	5583.11	5334.38	5089.76	4819.39	4546.67
45.0	6003.88	6023.19	6017.93	5956.48	5861.67	5703.08	5509.37	5229.04	4982.66
90.0	6047.77	6058.89	6044.26	5986.33	5890.35	5715.95	5524.00	5293.42	5054.06
135.0	6003.88	6034.90	6062.99	6043.68	5996.86	5920.78	5810.76	5657.43	5428.61
180.0	6009.73	6033.73	5987.50	5925.46	5817.78	5703.08	5549.16	5357.21	5076.30
225.0	6003.88	5930.14	5852.31	5732.34	5537.46	5339.65	5056.99	4790.13	4497.51
270.0	6047.77	6008.56	5939.51	5841.77	5730.00	5598.91	5435.04	5169.35	4921.80
315.0	6003.88	5946.53	5831.83	5708.34	5567.89	5365.40	5094.44	4842.80	4568.91
360.0	6009.73	5955.31	5861.67	5746.38	5583.11	5334.38	5089.76	4819.39	4546.67

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4240.01	3875.42	3554.13	3226.99	2833.72	2539.94	2187.04	1926.03	1714.77
45.0	4695.32	4388.66	4007.68	3676.44	3350.47	2948.42	2637.67	2288.87	2027.28
90.0	4723.41	4433.72	4030.50	3696.92	3353.40	2929.11	2602.55	2287.12	2008.55
135.0	5205.05	4953.99	4667.81	4295.02	3967.88	3643.08	3210.02	2878.78	2555.74
180.0	4826.41	4536.14	4232.99	3821.58	3490.34	3162.61	2836.06	2465.03	2178.85
225.0	4197.29	3885.95	3493.27	3157.93	2843.67	2480.83	2185.29	1914.91	1632.25
270.0	4649.09	4299.12	3978.42	3564.08	3225.82	2867.66	2451.57	2182.36	1906.72
315.0	4279.22	3874.25	3544.18	3204.17	2800.95	2482.58	2193.48	1871.61	1645.71
360.0	4240.01	3875.42	3554.13	3226.99	2833.72	2539.94	2187.04	1926.03	1714.77

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1501.16	1162.55	1162.55	1122.46	1046.38	983.24	923.08	861.69	777.82
45.0	1808.40	1620.55	1421.57	1289.31	1190.41	1103.21	1009.57	950.46	893.11
90.0	1772.12	1531.01	1158.51	1158.51	1112.81	1036.14	969.07	891.18	837.40
135.0	2184.12	1914.33	1636.35	1455.51	1316.81	1200.35	1093.84	1025.37	958.66
180.0	1880.39	1684.34	1507.01	1325.59	1217.33	1126.03	1047.61	968.02	914.18
225.0	1456.10	1154.06	1154.06	1058.85	988.09	909.26	857.30	810.95	752.66
270.0	1677.31	1474.83	1275.85	1157.63	1066.34	975.04	913.01	839.27	780.16
315.0	1460.19	1164.31	1164.31	1079.92	983.82	927.93	865.26	792.86	701.16
360.0	1501.16	1162.55	1162.55	1122.46	1046.38	983.24	923.08	861.69	777.82

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	704.38	628.47	551.34	457.18	387.95	303.44	244.04	190.67	137.53
45.0	841.61	770.21	700.57	608.69	534.95	458.87	366.99	300.28	300.28
90.0	783.67	712.28	646.67	571.59	495.86	403.40	330.71	261.19	186.69
135.0	905.40	827.57	756.17	681.85	606.94	513.30	433.71	343.00	306.13
180.0	863.27	799.48	704.08	630.35	551.93	460.63	390.40	303.21	303.21
225.0	669.50	597.69	522.37	451.44	361.67	294.54	233.04	172.88	134.89
270.0	714.62	643.81	553.68	473.51	390.99	322.52	306.72	234.79	149.17
315.0	622.56	545.31	466.13	377.29	308.36	231.98	180.72	139.23	107.33
360.0	704.38	628.47	551.34	457.18	387.95	303.44	244.04	190.67	137.53

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	112.66	98.79	86.79	78.60	72.16	66.36	61.45	55.54	50.91
45.0	166.38	126.53	100.54	85.33	73.62	66.60	60.51	55.01	50.33
90.0	137.12	102.59	81.87	69.12	61.98	55.13	50.39	46.29	41.43
135.0	306.13	152.16	102.71	81.05	70.58	61.86	56.18	51.32	46.99
180.0	220.28	131.21	96.50	83.04	73.97	66.31	59.22	54.02	49.57
225.0	108.73	88.54	78.54	68.12	61.57	56.18	51.38	47.29	42.19
270.0	117.63	95.68	85.27	76.84	68.06	62.03	56.77	50.97	46.53
315.0	93.52	83.98	76.31	68.18	62.27	57.76	53.49	48.05	43.60
360.0	112.66	98.79	86.79	78.60	72.16	66.36	61.45	55.54	50.91

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	45.41	41.79	38.86	35.52	33.18	31.02	28.73	27.04	25.57
45.0	45.24	41.26	36.34	33.36	31.19	28.91	27.27	26.16	24.87
90.0	38.16	34.82	31.84	29.03	27.45	26.28	25.28	24.46	23.70
135.0	42.14	38.62	35.11	32.25	29.73	27.92	26.45	25.46	24.46
180.0	45.47	40.56	36.75	33.65	30.61	28.68	26.92	25.28	23.99
225.0	38.16	34.47	31.66	28.91	27.04	25.40	23.64	22.47	21.36
270.0	41.02	37.22	33.88	31.19	28.50	26.74	25.11	23.64	22.12
315.0	39.62	35.87	33.42	31.08	28.56	26.86	25.28	23.64	22.47
360.0	45.41	41.79	38.86	35.52	33.18	31.02	28.73	27.04	25.57

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	24.29	22.82	21.71	20.78	19.90	18.96	18.26	17.67	17.09
45.0	24.23	23.53	22.88	22.18	21.48	20.78	20.01	19.02	18.32
90.0	23.23	22.30	21.83	21.30	20.66	19.90	19.08	18.08	17.50
135.0	23.41	22.71	21.77	20.95	19.90	19.14	18.55	17.91	17.26
180.0	22.59	21.59	20.66	19.90	19.08	18.43	17.85	17.26	16.85
225.0	20.37	19.61	18.79	18.20	17.62	17.03	16.50	16.09	15.68
270.0	21.07	20.19	19.31	18.43	17.85	17.15	16.62	16.04	15.57
315.0	21.36	20.42	19.31	18.61	17.85	17.21	16.56	16.15	15.68
360.0	24.29	22.82	21.71	20.78	19.90	18.96	18.26	17.67	17.09

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.39	15.92	15.22	14.81	14.34	13.81	13.40	13.05	12.70
45.0	17.56	16.68	16.09	15.27	14.75	14.16	13.58	13.05	12.70
90.0	16.85	16.15	15.45	14.86	14.34	13.81	13.28	12.87	12.58
135.0	16.74	16.21	15.68	15.22	14.69	14.22	13.93	13.52	13.17
180.0	16.27	15.80	15.33	14.75	14.40	13.93	13.52	13.17	12.82
225.0	15.27	14.75	14.34	13.87	13.46	13.11	12.82	12.41	12.11
270.0	15.22	14.86	14.57	14.10	13.75	13.46	13.17	12.76	12.47
315.0	15.22	14.86	14.51	14.10	13.87	13.40	13.17	12.87	12.58
360.0	16.39	15.92	15.22	14.81	14.34	13.81	13.40	13.05	12.70

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.29	11.94	11.65	11.35	11.00	10.77	10.53	10.24	10.01
45.0	12.41	12.06	11.70	11.41	11.12	10.83	10.59	10.42	10.12
90.0	12.23	11.94	11.70	11.35	11.12	10.77	10.53	10.36	10.12
135.0	12.93	12.70	12.35	12.11	11.82	11.59	11.24	11.00	10.77
180.0	12.52	12.23	11.94	11.59	11.35	11.06	10.83	10.48	10.24
225.0	11.82	11.47	11.18	10.94	10.65	10.36	10.18	9.95	9.71
270.0	12.11	11.82	11.59	11.18	10.89	10.65	10.42	10.07	9.89
315.0	12.17	11.94	11.59	11.29	11.06	10.71	10.48	10.24	9.95
360.0	12.29	11.94	11.65	11.35	11.00	10.77	10.53	10.24	10.01

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	9.77	9.60	9.31	9.07	8.90	8.60	8.43	8.19	7.96
45.0	9.95	9.71	9.48	9.25	9.01	8.78	8.60	8.37	8.19
90.0	9.89	9.66	9.42	9.19	9.01	8.78	8.60	8.37	8.19
135.0	10.53	10.36	10.12	9.89	9.60	9.42	9.13	8.90	8.72
180.0	10.07	9.77	9.60	9.31	9.13	8.84	8.72	8.49	8.31
225.0	9.48	9.25	9.01	8.84	8.66	8.43	8.25	8.08	7.96
270.0	9.60	9.42	9.19	8.95	8.78	8.54	8.37	8.19	7.96
315.0	9.77	9.54	9.36	9.19	8.90	8.60	8.43	8.08	8.02
360.0	9.77	9.60	9.31	9.07	8.90	8.60	8.43	8.19	7.96

Intensity data(cd)

C/γ(°)	90.0
0.0	7.96
45.0	8.02
90.0	8.02
135.0	8.60
180.0	8.13
225.0	7.90
270.0	7.96
315.0	8.02
360.0	7.96