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NT

Client:
LumCAT: 1-1306-L
Luminaire: 92.70.427.00
Report No: 2024724-B006
Ballast type: AC

Test No: 2024724-C006	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): 1814.44, Efficiency(%): 90.54% , Luminous Efficacy(lm/W): 139.23
Central intensity(cd): 2745.349, Maximum intensity(cd): 2745.349
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=50.0
[C90/270]Total=50.0
Field angle(10%Imax): [C0/180]Total=69.8
[C90/270]Total=69.8
Maximum s/h(1/2): C0_180=0.81 C90_270=0.81
Maximum s/h(1/4): C0_180=0.77 C90_270=0.77
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 90.54%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.754%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2745.349	0.000	0	0.00%	0.00%
1.0	2740.667	2.625	2.625	0.13%	0.14%
2.0	2739.570	7.866	10.491	0.39%	0.58%
3.0	2729.109	13.079	23.57	0.65%	1.30%
4.0	2717.624	18.232	41.802	0.91%	2.30%
5.0	2700.872	23.310	65.112	1.16%	3.59%
6.0	2675.854	28.256	93.368	1.41%	5.15%
7.0	2648.641	33.049	126.417	1.65%	6.97%
8.0	2620.769	37.712	164.129	1.88%	9.05%
9.0	2586.607	42.203	206.332	2.11%	11.37%
10.0	2546.007	46.448	252.781	2.32%	13.93%
11.0	2499.408	50.414	303.195	2.52%	16.71%
12.0	2445.933	54.060	357.254	2.70%	19.69%
13.0	2388.654	57.374	414.629	2.86%	22.85%
14.0	2325.889	60.346	474.974	3.01%	26.18%
15.0	2259.905	62.956	537.93	3.14%	29.65%
16.0	2194.799	65.274	603.204	3.26%	33.24%
17.0	2130.278	67.353	670.557	3.36%	36.96%
18.0	2056.466	69.030	739.588	3.44%	40.76%
19.0	1979.143	70.211	809.799	3.50%	44.63%
20.0	1895.822	70.923	880.722	3.54%	48.54%
21.0	1806.355	71.089	951.811	3.55%	52.46%
22.0	1714.695	70.757	1022.568	3.53%	56.36%
23.0	1621.790	70.008	1092.576	3.49%	60.22%
24.0	1532.397	68.962	1161.538	3.44%	64.02%
25.0	1376.895	66.151	1227.689	3.30%	67.66%
26.0	1276.237	62.627	1290.317	3.13%	71.11%
27.0	1196.119	60.487	1350.803	3.02%	74.45%
28.0	1073.566	57.464	1408.267	2.87%	77.61%
29.0	942.549	52.747	1461.014	2.63%	80.52%
30.0	807.830	47.260	1508.274	2.36%	83.13%
31.0	672.658	41.200	1549.474	2.06%	85.40%
32.0	547.280	34.950	1584.424	1.74%	87.32%
33.0	440.075	29.088	1613.512	1.45%	88.93%
34.0	347.836	23.844	1637.356	1.19%	90.24%
35.0	268.494	19.141	1656.497	0.96%	91.30%
36.0	232.422	15.949	1672.446	0.80%	92.17%
37.0	178.706	13.409	1685.855	0.67%	92.91%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	122.795	10.064	1695.919	0.50%	93.47%
39.0	102.210	7.680	1703.599	0.38%	93.89%
40.0	88.398	6.648	1710.246	0.33%	94.26%
41.0	77.381	5.903	1716.15	0.29%	94.58%
42.0	68.362	5.295	1721.445	0.26%	94.87%
43.0	61.302	4.803	1726.248	0.24%	95.14%
44.0	55.114	4.394	1730.642	0.22%	95.38%
45.0	49.759	4.030	1734.672	0.20%	95.60%
46.0	45.413	3.722	1738.394	0.19%	95.81%
47.0	41.478	3.456	1741.85	0.17%	96.00%
48.0	38.347	3.227	1745.077	0.16%	96.18%
49.0	35.457	3.031	1748.108	0.15%	96.34%
50.0	33.263	2.865	1750.973	0.14%	96.50%
51.0	31.156	2.725	1753.698	0.14%	96.65%
52.0	29.305	2.594	1756.293	0.13%	96.80%
53.0	27.645	2.477	1758.77	0.12%	96.93%
54.0	26.182	2.372	1761.143	0.12%	97.06%
55.0	24.901	2.280	1763.423	0.11%	97.19%
56.0	23.621	2.193	1765.615	0.11%	97.31%
57.0	22.619	2.114	1767.73	0.11%	97.43%
58.0	21.617	2.046	1769.775	0.10%	97.54%
59.0	20.775	1.982	1771.757	0.10%	97.65%
60.0	19.993	1.926	1773.683	0.10%	97.75%
61.0	19.305	1.875	1775.558	0.09%	97.86%
62.0	18.691	1.831	1777.389	0.09%	97.96%
63.0	18.127	1.791	1779.18	0.09%	98.06%
64.0	17.579	1.752	1780.932	0.09%	98.15%
65.0	17.059	1.714	1782.646	0.09%	98.25%
66.0	16.547	1.677	1784.323	0.08%	98.34%
67.0	16.130	1.643	1785.966	0.08%	98.43%
68.0	15.640	1.609	1787.576	0.08%	98.52%
69.0	15.209	1.574	1789.149	0.08%	98.61%
70.0	14.777	1.540	1790.689	0.08%	98.69%
71.0	14.389	1.507	1792.197	0.08%	98.77%
72.0	13.958	1.474	1793.671	0.07%	98.86%
73.0	13.577	1.440	1795.111	0.07%	98.93%
74.0	13.175	1.406	1796.517	0.07%	99.01%
75.0	12.794	1.372	1797.889	0.07%	99.09%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.407	1.338	1799.227	0.07%	99.16%
77.0	12.026	1.303	1800.53	0.07%	99.23%
78.0	11.683	1.269	1801.799	0.06%	99.30%
79.0	11.317	1.236	1803.034	0.06%	99.37%
80.0	10.995	1.203	1804.237	0.06%	99.44%
81.0	10.622	1.169	1805.406	0.06%	99.50%
82.0	10.293	1.134	1806.54	0.06%	99.56%
83.0	9.963	1.101	1807.642	0.05%	99.63%
84.0	9.642	1.068	1808.71	0.05%	99.68%
85.0	9.305	1.034	1809.744	0.05%	99.74%
86.0	8.998	1.000	1810.744	0.05%	99.80%
87.0	8.698	0.968	1811.713	0.05%	99.85%
88.0	8.413	0.937	1812.65	0.05%	99.90%
89.0	8.113	0.906	1813.556	0.05%	99.95%
90.0	7.937	0.880	1814.436	0.04%	100.00%

Zonal flux distribution table

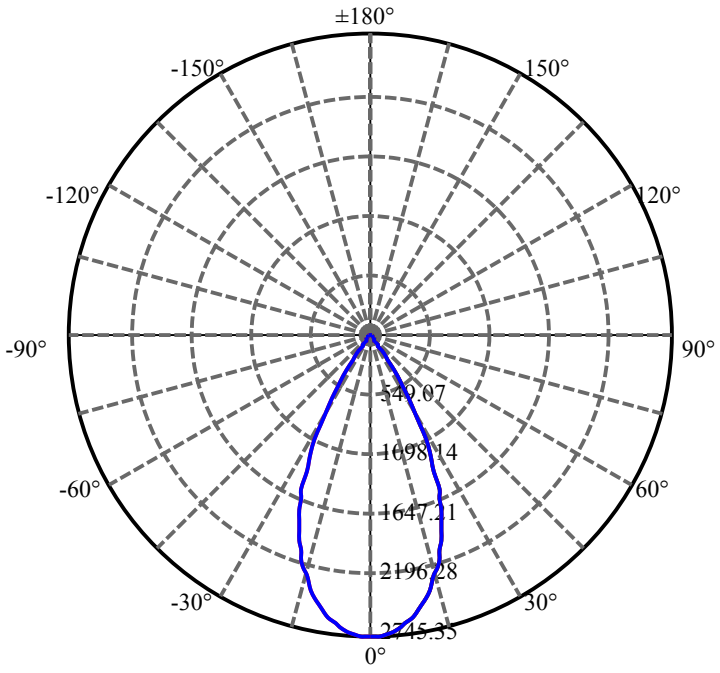
ZONAL LUMEN SUMMARY

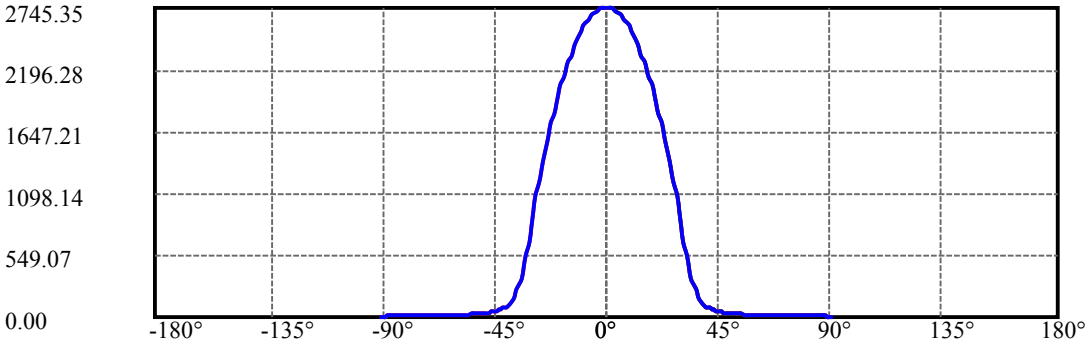
Zone	Lumens	%Lamp	%Fixt
0-30	1508.27	75.26%	83.13%
0-40	1710.25	85.34%	94.26%
0-60	1773.68	88.51%	97.75%
0-90	1813.56	90.50%	99.95%
0-120	1813.56	90.50%	99.95%
0-180	1814.44	90.54%	100.00%
60-90	39.87	1.99%	2.20%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.82	1451.55	72.43%	80.00%

ZONAL LUMEN SUMMARY

0-10	252.78
10-20	627.94
20-30	627.55
30-40	201.97
40-50	40.73
50-60	22.71
60-70	17.01
70-80	13.55
80-90	9.32
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):

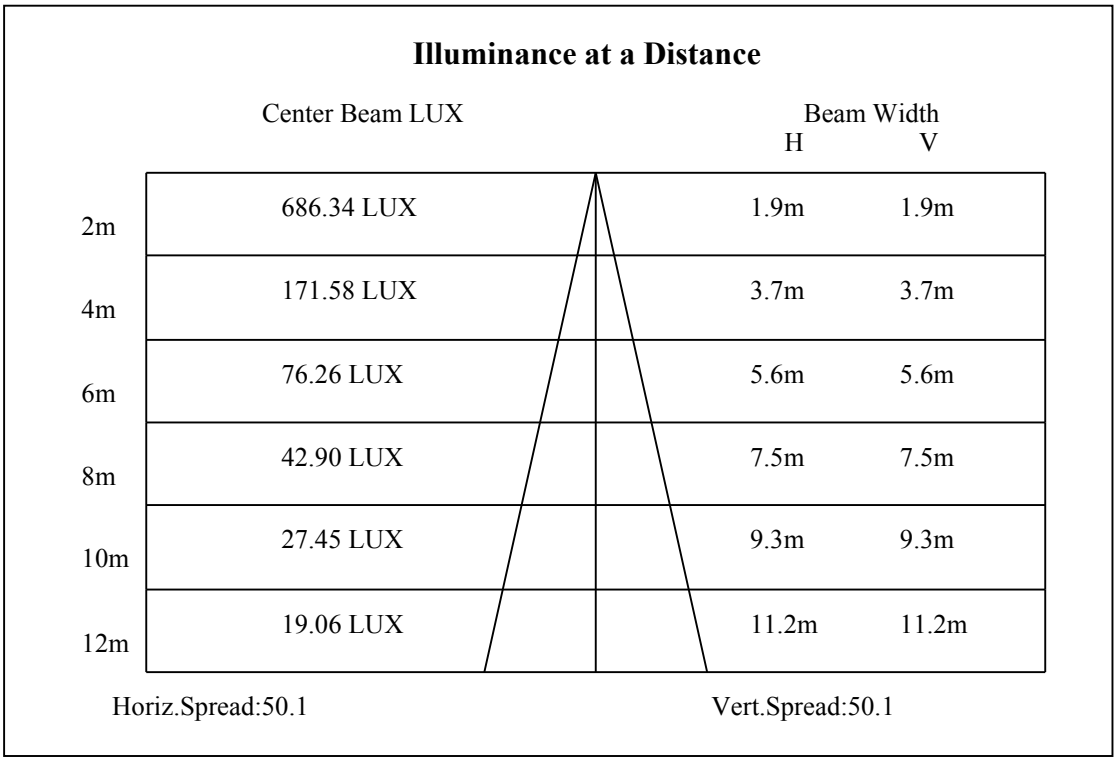
C0/C180:

C90/C270:

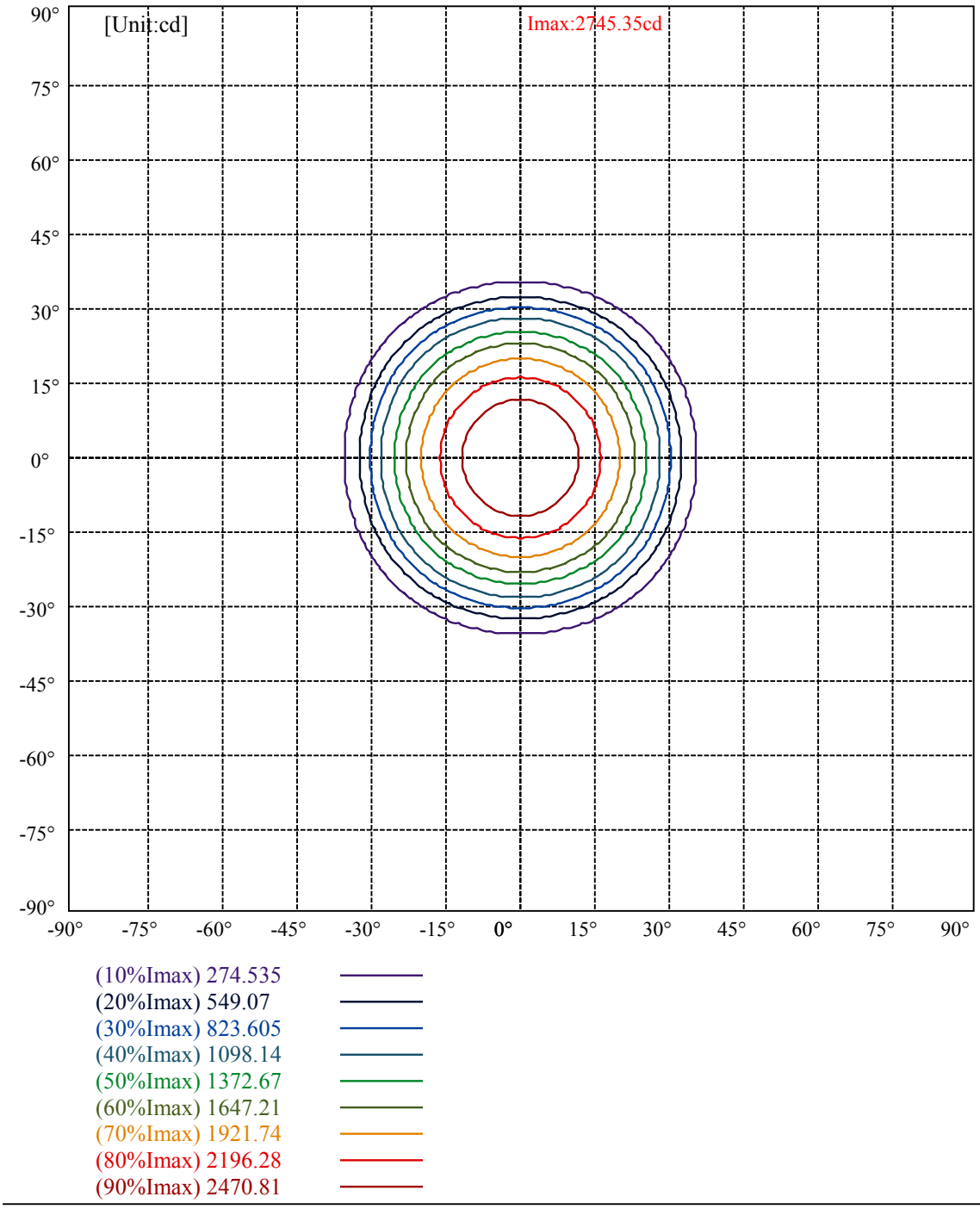
Field angle(10%Imax):C0/180Left:34.9 Right:34.9
:C90/270Left:34.9 Right:34.9

Beam Angle(50%Imax):C0/180Left:25.0 Right:25.0
:C90/270Left:25.0 Right:25.0

Lux distance Curve



ISO-Intensity(V-H)



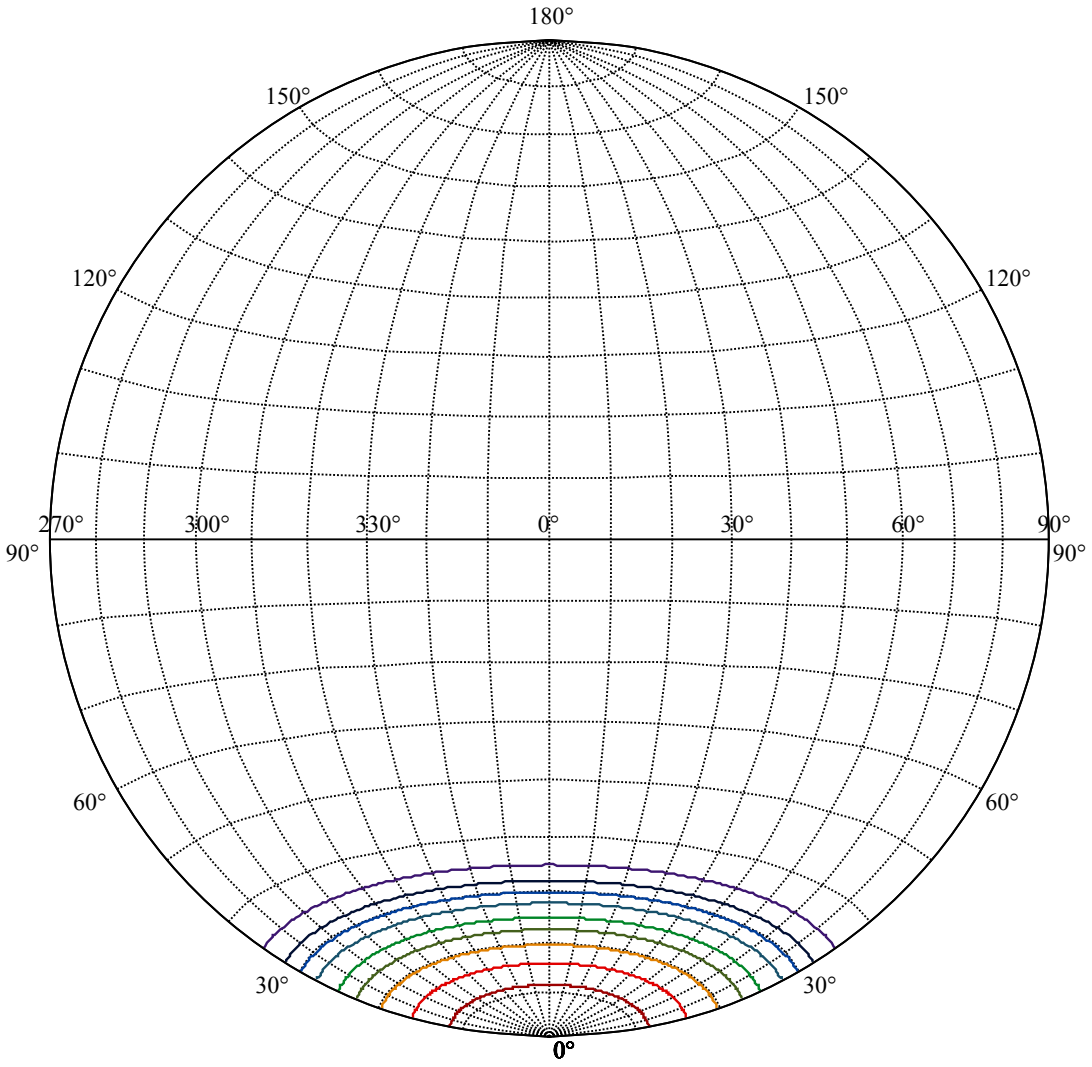
(10%Imax) 274.535
(20%Imax) 549.07
(30%Imax) 823.605
(40%Imax) 1098.14
(50%Imax) 1372.67
(60%Imax) 1647.21
(70%Imax) 1921.74
(80%Imax) 2196.28
(90%Imax) 2470.81

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



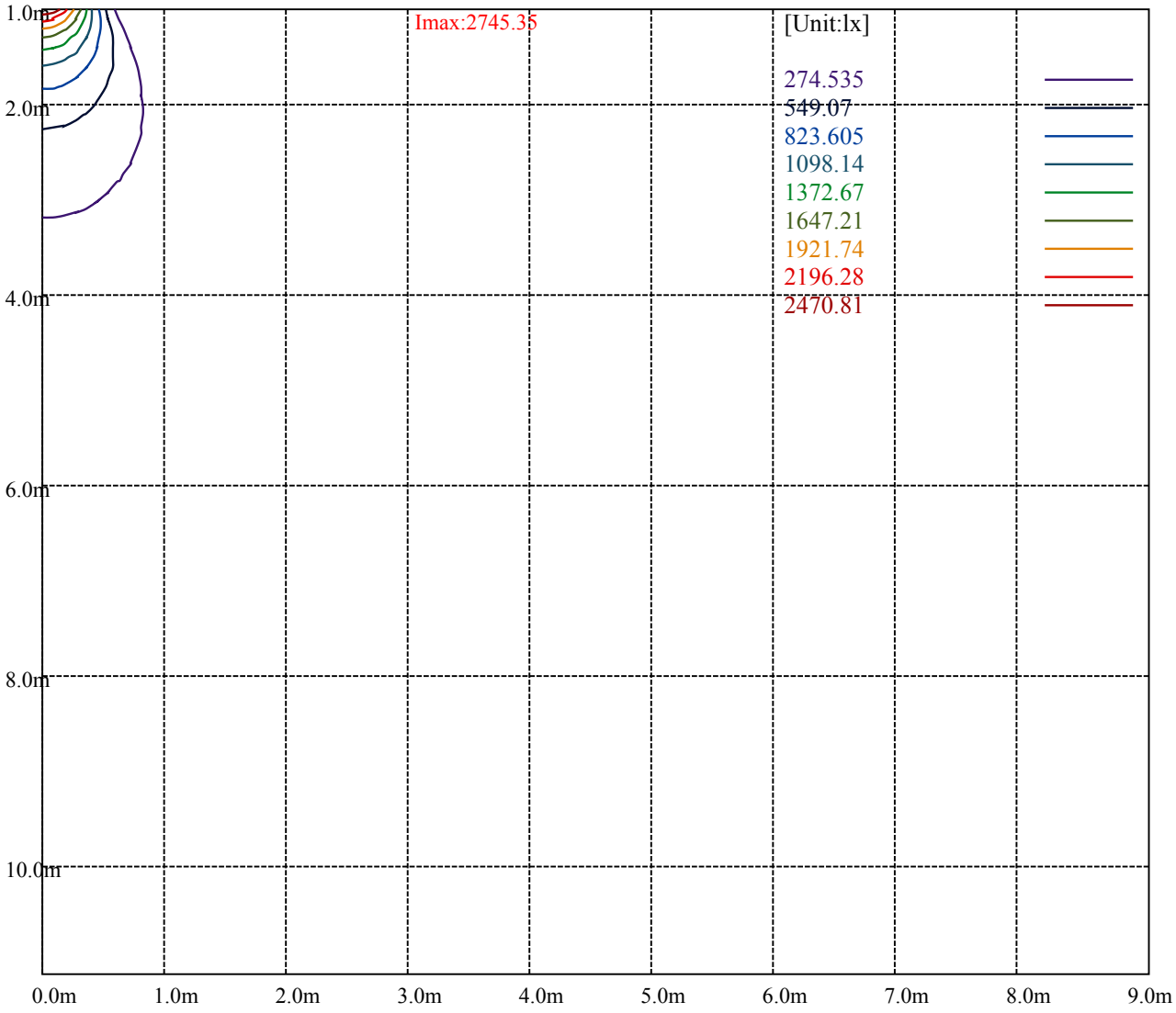
House [Unit:cd] Road

Imax:2745.35

(10%Imax) 274.535
(20%Imax) 549.07
(30%Imax) 823.605
(40%Imax) 1098.14
(50%Imax) 1372.67
(60%Imax) 1647.21
(70%Imax) 1921.74
(80%Imax) 2196.28
(90%Imax) 2470.81

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 1-1306-L

Luminance Limitting Curve(no luminous side)

Luminance Table

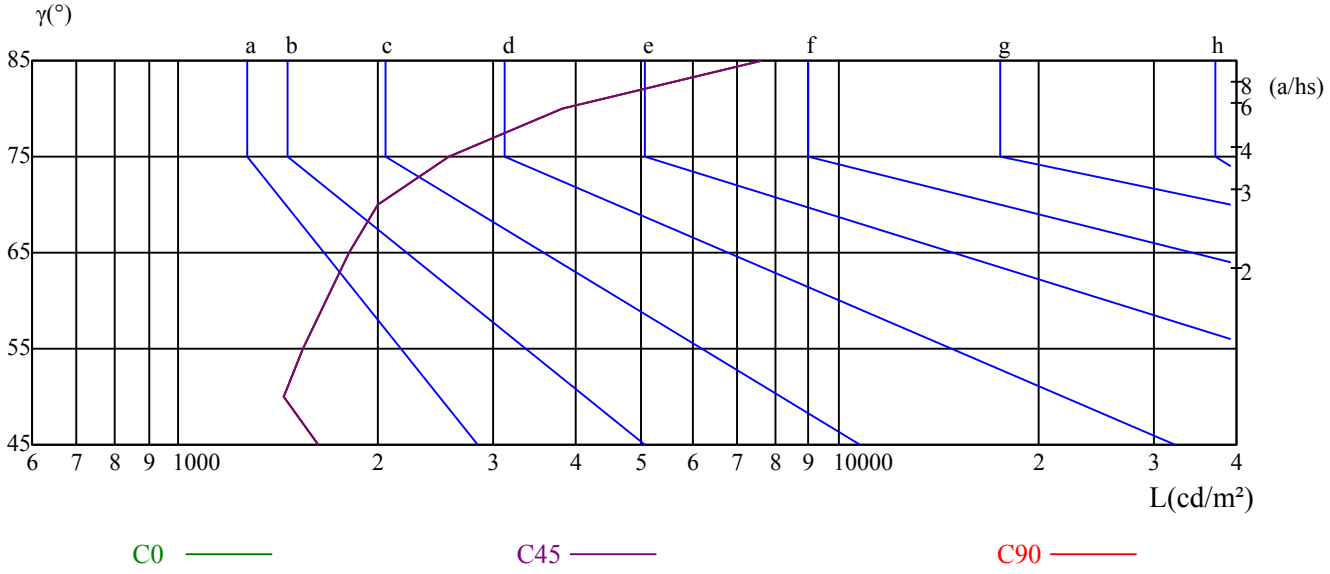
γ	45	50	55	60	65	70	75	80	85
C0	1631	1440	1544	1667	1806	1998	2572	3816	7630
C45	1631	1440	1544	1667	1806	1998	2572	3816	7630
C90	1631	1440	1544	1667	1806	1998	2572	3816	7630

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

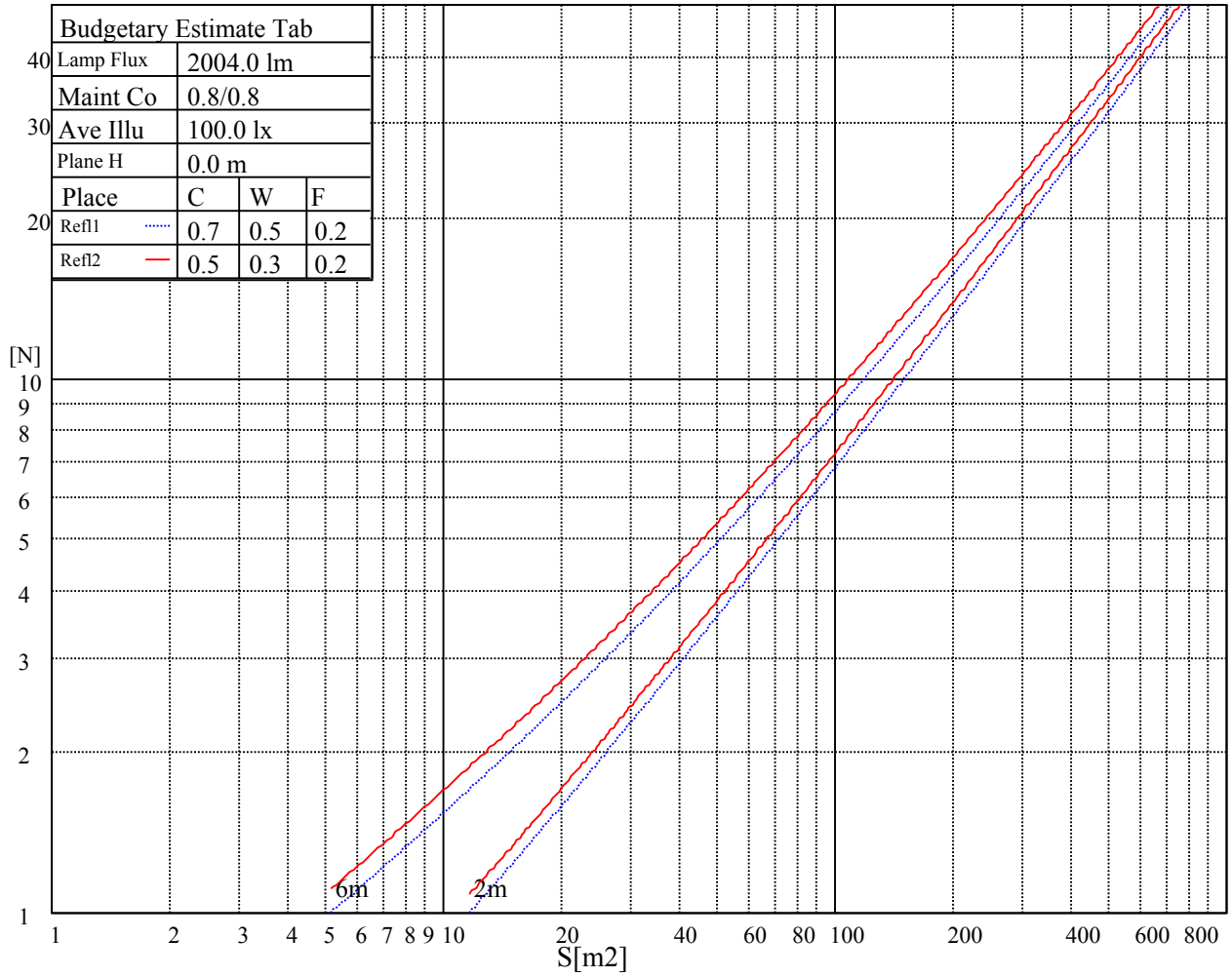
Date: 2024/7/24
Humidity(%): 60.0%

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

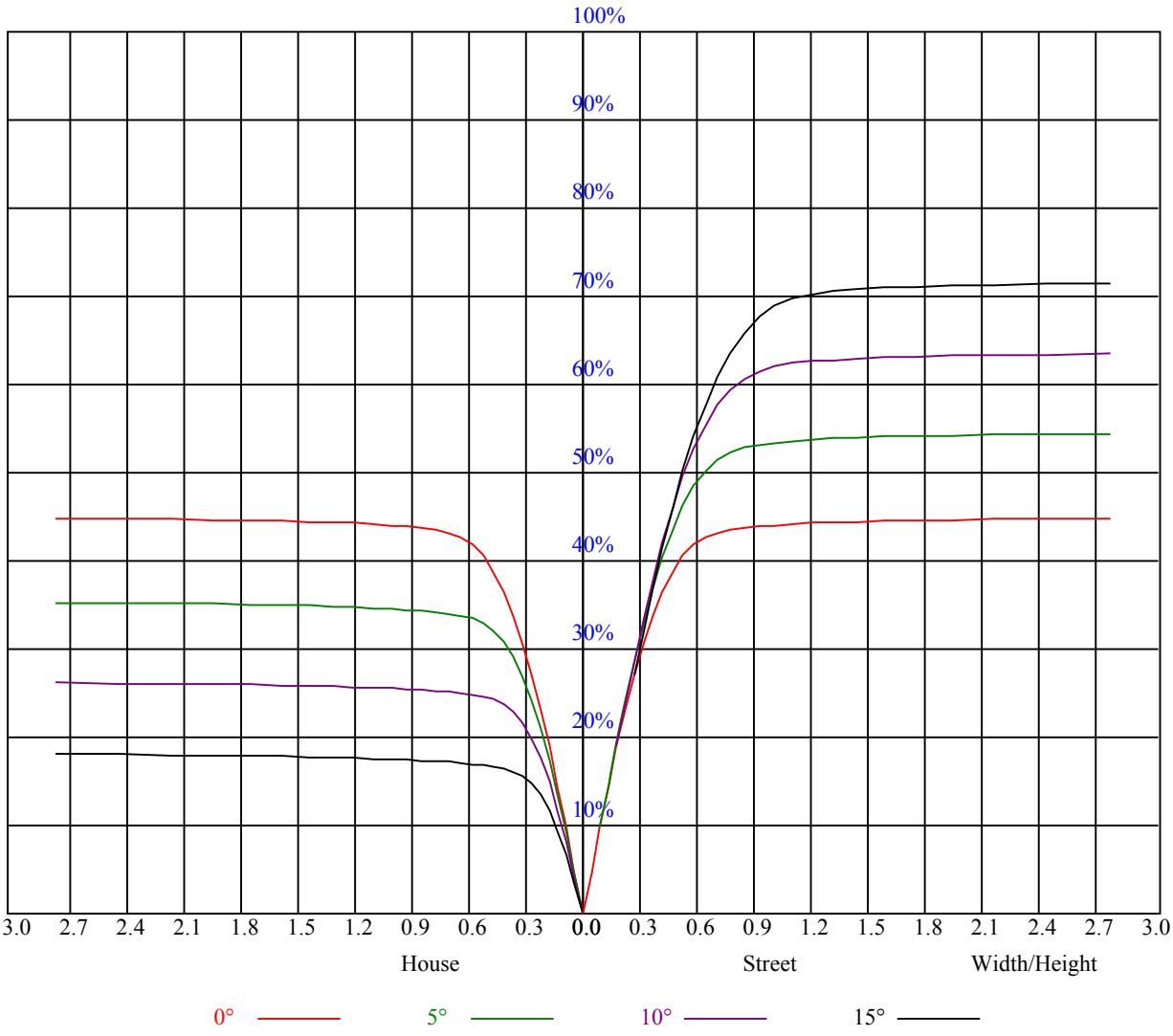


Equipment: GMS1980	Date: 2024/7/24	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

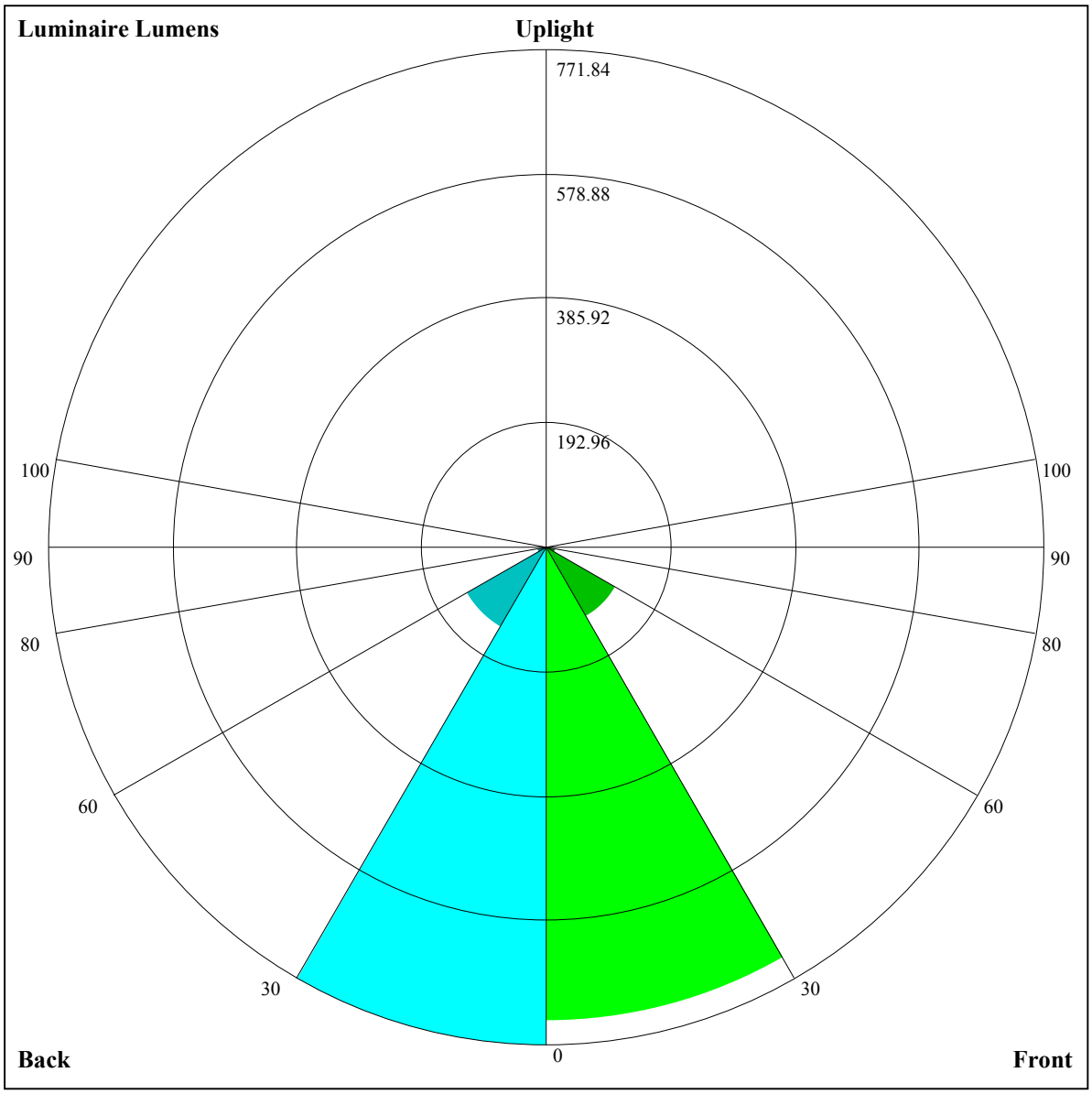
Utilization factor table for indoor luminaire

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	1.08	1.08	1.08	1.05	1.05	1.05	1.01	1.01	1.01	0.96	0.96	0.96	0.92	0.92	0.92	0.91
1	1.00	0.98	0.96	0.98	0.96	0.95	0.95	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85
2	0.94	0.90	0.87	0.92	0.89	0.86	0.89	0.87	0.84	0.87	0.85	0.83	0.84	0.82	0.81	0.79
3	0.88	0.84	0.80	0.87	0.83	0.80	0.85	0.81	0.78	0.82	0.80	0.77	0.80	0.78	0.76	0.75
4	0.83	0.78	0.75	0.82	0.78	0.74	0.80	0.76	0.73	0.78	0.75	0.73	0.77	0.74	0.72	0.70
5	0.78	0.73	0.70	0.78	0.73	0.69	0.76	0.72	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.66
6	0.74	0.69	0.66	0.73	0.69	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.70	0.67	0.64	0.63
7	0.70	0.65	0.62	0.70	0.65	0.62	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.60
8	0.67	0.62	0.58	0.66	0.62	0.58	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.56
9	0.64	0.59	0.55	0.63	0.59	0.55	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.54
10	0.61	0.56	0.53	0.60	0.56	0.53	0.60	0.55	0.52	0.59	0.55	0.52	0.58	0.55	0.52	0.51

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=733.87,FM=123.87,FH=14.99,FVH=5.05
BL=771.84,BM=142.74,BH=15.48,BVH=5.13
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	2748.28	2740.67	2724.28	2703.80	2682.14	2657.57	2629.47	2587.92	2553.40
45.0	2738.91	2746.52	2747.69	2731.89	2728.96	2723.11	2689.17	2666.34	2634.16
90.0	2751.79	2745.93	2742.42	2732.47	2731.89	2717.84	2693.26	2673.37	2655.81
135.0	2742.42	2748.86	2750.62	2740.67	2747.69	2744.76	2733.06	2723.70	2704.97
180.0	2748.28	2731.30	2750.62	2748.86	2751.79	2739.50	2717.84	2701.46	2678.05
225.0	2738.91	2743.59	2748.86	2743.59	2732.47	2708.48	2671.61	2634.74	2601.97
270.0	2751.79	2738.91	2741.25	2740.08	2716.67	2696.78	2678.63	2646.45	2617.18
315.0	2742.42	2729.55	2710.82	2691.51	2649.37	2618.94	2593.78	2555.15	2520.62
360.0	2748.28	2740.67	2724.28	2703.80	2682.14	2657.57	2629.47	2587.92	2553.40

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2495.46	2450.98	2406.50	2347.98	2299.99	2240.30	2178.85	2092.24	2016.74
45.0	2603.72	2566.27	2521.21	2444.54	2380.75	2322.82	2247.91	2198.75	2136.13
90.0	2635.33	2589.09	2537.01	2491.36	2418.79	2350.91	2291.21	2228.60	2167.15
135.0	2681.56	2660.49	2620.11	2579.73	2525.30	2473.22	2417.62	2349.74	2299.41
180.0	2652.88	2617.77	2576.22	2530.57	2481.41	2407.67	2355.59	2301.75	2234.45
225.0	2549.30	2508.33	2462.69	2414.70	2360.27	2292.38	2209.87	2137.30	2069.41
270.0	2585.00	2529.99	2474.98	2415.28	2362.03	2314.62	2239.13	2171.83	2105.70
315.0	2489.61	2445.13	2396.55	2343.30	2280.68	2205.19	2139.06	2078.19	2013.23
360.0	2495.46	2450.98	2406.50	2347.98	2299.99	2240.30	2178.85	2092.24	2016.74

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1945.35	1872.78	1775.63	1695.46	1608.84	1502.33	1415.72	1144.47	1144.47
45.0	2070.58	1980.46	1907.89	1824.20	1736.42	1634.01	1555.59	1445.56	1353.10
90.0	2101.60	1996.85	1910.82	1818.94	1713.01	1629.32	1533.35	1440.30	1144.29
135.0	2228.01	2164.81	2058.88	1972.27	1890.34	1793.77	1680.24	1584.26	1486.53
180.0	2156.61	2087.56	2009.72	1923.11	1817.77	1728.23	1642.20	1532.76	1437.96
225.0	1996.26	1917.84	1841.18	1758.07	1649.81	1559.68	1468.97	1282.29	1146.98
270.0	2023.77	1954.71	1876.29	1777.97	1705.40	1626.98	1547.39	1442.05	1353.10
315.0	1929.55	1858.15	1786.17	1680.82	1595.97	1499.99	1415.72	1143.47	1143.47
360.0	1945.35	1872.78	1775.63	1695.46	1608.84	1502.33	1415.72	1144.47	1144.47

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1057.27	934.90	785.78	664.00	549.76	442.96	332.99	257.38	195.58
45.0	1239.57	1086.24	953.98	829.32	713.45	573.58	470.58	372.85	309.06
90.0	1144.29	1049.25	924.25	760.32	634.79	489.31	389.35	301.86	213.02
135.0	1354.85	1237.81	1113.16	952.22	820.54	695.31	555.44	453.02	361.73
180.0	1320.33	1210.89	1090.33	966.26	798.89	681.26	572.41	472.34	349.44
225.0	1146.98	1004.01	882.11	755.76	606.00	493.64	396.61	311.57	222.56
270.0	1253.61	1142.42	993.19	863.85	731.00	576.51	468.24	351.78	307.30
315.0	1052.06	923.02	797.60	670.90	526.82	425.69	334.98	261.89	189.26
360.0	1057.27	934.90	785.78	664.00	549.76	442.96	332.99	257.38	195.58

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	153.56	121.43	103.82	86.96	76.96	68.71	60.04	54.54	49.74
45.0	309.06	155.85	126.47	107.10	89.71	79.36	68.65	61.74	55.89
90.0	162.75	130.68	111.54	93.81	82.98	73.86	66.25	58.46	53.14
135.0	299.69	299.69	150.29	122.66	105.28	89.54	80.23	72.22	63.73
180.0	306.13	306.13	150.75	117.22	100.72	87.26	75.20	67.36	60.28
225.0	170.30	134.19	111.43	92.29	80.53	71.69	62.44	56.06	49.28
270.0	307.30	160.76	123.48	106.04	92.17	77.89	70.05	62.85	56.59
315.0	150.58	120.91	104.58	91.59	78.83	70.75	64.02	57.18	52.26
360.0	153.56	121.43	103.82	86.96	76.96	68.71	60.04	54.54	49.74

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	44.36	41.02	38.27	35.82	33.30	31.31	29.50	27.92	26.04
45.0	50.74	45.30	41.26	37.98	34.76	32.60	30.67	29.03	27.21
90.0	48.40	43.25	39.68	36.93	34.00	31.84	30.02	27.97	26.63
135.0	58.29	53.67	48.52	44.89	41.26	38.74	36.46	34.12	32.01
180.0	53.20	48.63	43.37	39.74	36.81	34.35	31.89	30.08	28.44
225.0	44.77	40.97	37.63	34.12	32.01	30.14	28.44	26.63	25.34
270.0	50.10	45.71	42.25	38.92	35.46	33.18	30.78	29.09	27.56
315.0	48.22	44.77	40.85	38.39	36.05	33.94	31.49	29.61	27.92
360.0	44.36	41.02	38.27	35.82	33.30	31.31	29.50	27.92	26.04

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	24.64	23.47	22.18	21.30	20.42	19.61	19.02	18.49	17.85
45.0	25.98	24.64	23.12	22.06	21.19	20.25	19.49	18.73	18.14
90.0	25.28	24.11	22.71	21.77	20.89	20.13	19.31	18.73	18.14
135.0	30.37	28.91	27.45	26.10	24.64	23.47	22.24	21.30	20.60
180.0	26.98	25.46	24.46	23.47	22.41	21.59	20.89	20.01	19.43
225.0	24.23	23.23	22.18	21.36	20.48	19.84	19.25	18.61	18.08
270.0	25.87	24.64	23.47	22.41	21.30	20.54	19.84	19.25	18.55
315.0	26.10	24.76	23.41	22.47	21.59	20.78	19.90	19.31	18.73
360.0	24.64	23.47	22.18	21.30	20.42	19.61	19.02	18.49	17.85

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.32	16.91	16.44	15.98	15.57	15.16	14.75	14.34	13.99
45.0	17.67	17.15	16.68	16.09	15.74	15.33	14.86	14.51	14.10
90.0	17.56	17.09	16.56	16.09	15.68	15.16	14.75	14.40	14.05
135.0	19.78	19.14	18.61	17.97	17.44	16.97	16.50	15.92	15.51
180.0	18.84	18.20	17.73	17.21	16.80	16.21	15.80	15.39	14.98
225.0	17.62	17.09	16.56	16.15	15.74	15.33	14.81	14.46	14.05
270.0	18.02	17.56	16.91	16.44	16.04	15.51	15.16	14.63	14.28
315.0	18.20	17.50	16.97	16.44	16.04	15.45	15.04	14.57	14.16
360.0	17.32	16.91	16.44	15.98	15.57	15.16	14.75	14.34	13.99

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.58	13.17	12.82	12.41	12.06	11.76	11.47	11.06	10.77
45.0	13.64	13.34	12.93	12.58	12.17	11.88	11.47	11.18	10.83
90.0	13.58	13.23	12.87	12.52	12.11	11.76	11.47	11.06	10.71
135.0	15.10	14.69	14.16	13.81	13.40	12.93	12.58	12.11	11.82
180.0	14.46	14.10	13.69	13.28	12.87	12.41	12.06	11.70	11.41
225.0	13.64	13.28	12.87	12.41	12.06	11.59	11.29	11.00	10.65
270.0	13.87	13.52	13.11	12.76	12.35	12.06	11.65	11.29	10.94
315.0	13.81	13.28	12.93	12.58	12.23	11.82	11.47	11.12	10.83
360.0	13.58	13.17	12.82	12.41	12.06	11.76	11.47	11.06	10.77

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.48	10.18	9.83	9.60	9.25	8.95	8.72	8.37	8.02
45.0	10.48	10.18	9.83	9.48	9.19	8.95	8.60	8.31	8.08
90.0	10.36	10.07	9.71	9.42	9.13	8.72	8.49	8.25	7.96
135.0	11.47	11.00	10.65	10.30	9.89	9.60	9.19	8.90	8.49
180.0	10.94	10.59	10.36	9.95	9.60	9.25	8.90	8.66	8.37
225.0	10.24	9.89	9.66	9.31	8.95	8.72	8.49	8.19	7.96
270.0	10.53	10.24	9.83	9.54	9.19	8.84	8.60	8.31	8.08
315.0	10.48	10.18	9.83	9.54	9.25	8.95	8.60	8.31	7.96
360.0	10.48	10.18	9.83	9.60	9.25	8.95	8.72	8.37	8.02

Intensity data(cd)

C/γ(°)	90.0
0.0	8.02
45.0	7.90
90.0	7.90
135.0	8.08
180.0	7.96
225.0	7.84
270.0	7.84
315.0	7.96
360.0	8.02