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NT

Client:
LumCAT: 2-2686-L
Luminaire: 92.70.411.00
Report No: 2024416-B018
Ballast type: AC

Test No: 2024416-C018	Voltage(V): 33.760
LampCAT: NICHIA NFCWJ108B-V3	Current(A): 0.577
Lamp flux(lm): 2647.0	Power (W): 19.479
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2230.26, Efficiency(%): 84.26% , Luminous Efficacy(lm/W): 114.50
Central intensity(cd): 11642.530, Maximum intensity(cd): 11694.300
Angle of maximum intensity: C=0.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=18.2
[C90/270]Total=18.2
Field angle(10%Imax): [C0/180]Total=46.4
[C90/270]Total=46.4
Maximum s/h(1/2): C0_180=0.31 C90_270=0.31
Maximum s/h(1/4): C0_180=0.33 C90_270=0.33
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.26%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.822%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	11642.525	0.000	0	0.00%	0.00%
1.0	11694.295	11.166	11.166	0.42%	0.50%
2.0	11487.045	33.272	44.438	1.26%	1.99%
3.0	11044.981	53.889	98.327	2.04%	4.41%
4.0	10471.168	72.021	170.349	2.72%	7.64%
5.0	9702.840	86.788	257.136	3.28%	11.53%
6.0	8803.496	97.256	354.392	3.67%	15.89%
7.0	7874.232	103.518	457.911	3.91%	20.53%
8.0	6848.332	105.367	563.277	3.98%	25.26%
9.0	5918.995	103.472	666.749	3.91%	29.90%
10.0	5070.931	99.455	766.204	3.76%	34.35%
11.0	4360.468	94.239	860.443	3.56%	38.58%
12.0	3737.715	88.525	948.968	3.34%	42.55%
13.0	3236.762	82.769	1031.737	3.13%	46.26%
14.0	2890.017	78.422	1110.16	2.96%	49.78%
15.0	2717.302	76.980	1187.139	2.91%	53.23%
16.0	2380.381	74.695	1261.835	2.82%	56.58%
17.0	2076.949	69.413	1331.247	2.62%	59.69%
18.0	1886.166	65.343	1396.591	2.47%	62.62%
19.0	1723.839	62.807	1459.397	2.37%	65.44%
20.0	1575.923	60.395	1519.792	2.28%	68.14%
21.0	1422.104	57.568	1577.36	2.17%	70.73%
22.0	1252.228	53.742	1631.102	2.03%	73.13%
23.0	1185.000	51.140	1682.242	1.93%	75.43%
24.0	1103.705	50.039	1732.281	1.89%	77.67%
25.0	1023.924	48.378	1780.659	1.83%	79.84%
26.0	931.605	46.160	1826.819	1.74%	81.91%
27.0	841.122	43.370	1870.189	1.64%	83.86%
28.0	745.686	40.175	1910.364	1.52%	85.66%
29.0	643.660	36.349	1946.713	1.37%	87.29%
30.0	553.981	32.336	1979.049	1.22%	88.74%
31.0	456.395	28.117	2007.166	1.06%	90.00%
32.0	369.752	23.668	2030.835	0.89%	91.06%
33.0	292.093	19.498	2050.333	0.74%	91.93%
34.0	248.348	16.355	2066.688	0.62%	92.67%
35.0	179.489	13.287	2079.975	0.50%	93.26%
36.0	140.022	10.173	2090.148	0.38%	93.72%
37.0	114.814	8.311	2098.46	0.31%	94.09%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	102.385	7.250	2105.71	0.27%	94.42%
39.0	91.858	6.630	2112.34	0.25%	94.71%
40.0	82.722	6.089	2118.428	0.23%	94.99%
41.0	73.965	5.580	2124.008	0.21%	95.24%
42.0	66.460	5.102	2129.11	0.19%	95.46%
43.0	59.795	4.677	2133.787	0.18%	95.67%
44.0	54.206	4.303	2138.089	0.16%	95.87%
45.0	49.049	3.968	2142.058	0.15%	96.05%
46.0	44.996	3.678	2145.736	0.14%	96.21%
47.0	41.324	3.433	2149.169	0.13%	96.36%
48.0	38.223	3.216	2152.384	0.12%	96.51%
49.0	35.487	3.027	2155.411	0.11%	96.64%
50.0	33.124	2.861	2158.272	0.11%	96.77%
51.0	31.061	2.716	2160.988	0.10%	96.89%
52.0	29.349	2.592	2163.58	0.10%	97.01%
53.0	27.820	2.487	2166.067	0.09%	97.12%
54.0	26.620	2.400	2168.466	0.09%	97.23%
55.0	25.523	2.328	2170.794	0.09%	97.33%
56.0	24.594	2.265	2173.058	0.09%	97.44%
57.0	23.833	2.214	2175.273	0.08%	97.53%
58.0	23.153	2.173	2177.445	0.08%	97.63%
59.0	22.590	2.138	2179.584	0.08%	97.73%
60.0	22.165	2.114	2181.698	0.08%	97.82%
61.0	21.756	2.096	2183.794	0.08%	97.92%
62.0	21.331	2.076	2185.871	0.08%	98.01%
63.0	20.849	2.051	2187.922	0.08%	98.10%
64.0	20.212	2.015	2189.937	0.08%	98.19%
65.0	19.561	1.968	2191.905	0.07%	98.28%
66.0	18.793	1.914	2193.819	0.07%	98.37%
67.0	18.003	1.850	2195.669	0.07%	98.45%
68.0	17.286	1.788	2197.457	0.07%	98.53%
69.0	16.759	1.737	2199.193	0.07%	98.61%
70.0	16.467	1.706	2200.9	0.06%	98.68%
71.0	16.481	1.703	2202.603	0.06%	98.76%
72.0	16.672	1.724	2204.327	0.07%	98.84%
73.0	16.884	1.755	2206.081	0.07%	98.92%
74.0	17.067	1.785	2207.866	0.07%	99.00%
75.0	17.067	1.803	2209.67	0.07%	99.08%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.876	1.802	2211.472	0.07%	99.16%
77.0	16.657	1.788	2213.259	0.07%	99.24%
78.0	16.277	1.763	2215.022	0.07%	99.32%
79.0	15.604	1.713	2216.735	0.06%	99.39%
80.0	14.470	1.621	2218.357	0.06%	99.47%
81.0	13.087	1.490	2219.847	0.06%	99.53%
82.0	11.895	1.355	2221.201	0.05%	99.59%
83.0	11.214	1.256	2222.458	0.05%	99.65%
84.0	10.922	1.206	2223.664	0.05%	99.70%
85.0	10.600	1.175	2224.838	0.04%	99.76%
86.0	10.205	1.137	2225.975	0.04%	99.81%
87.0	9.934	1.102	2227.078	0.04%	99.86%
88.0	9.737	1.078	2228.155	0.04%	99.91%
89.0	9.576	1.059	2229.214	0.04%	99.95%
90.0	9.583	1.050	2230.264	0.04%	100.00%

Zonal flux distribution table

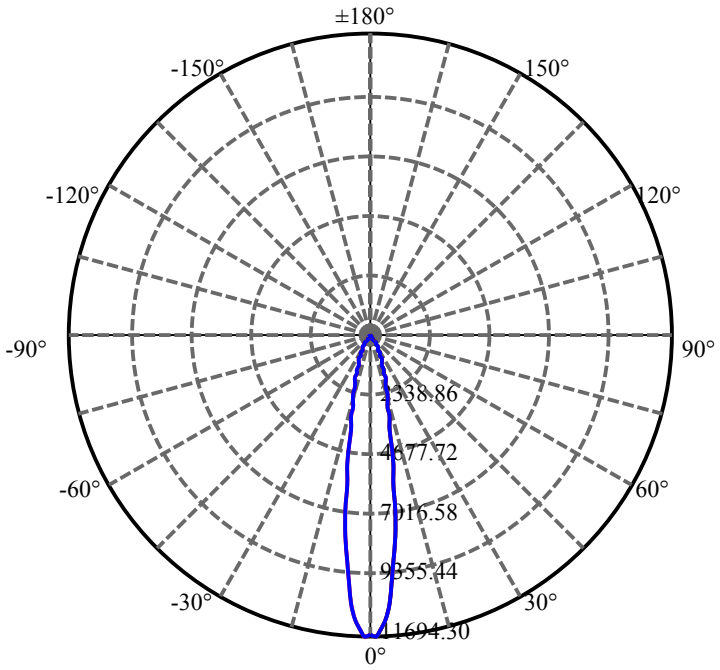
ZONAL LUMEN SUMMARY

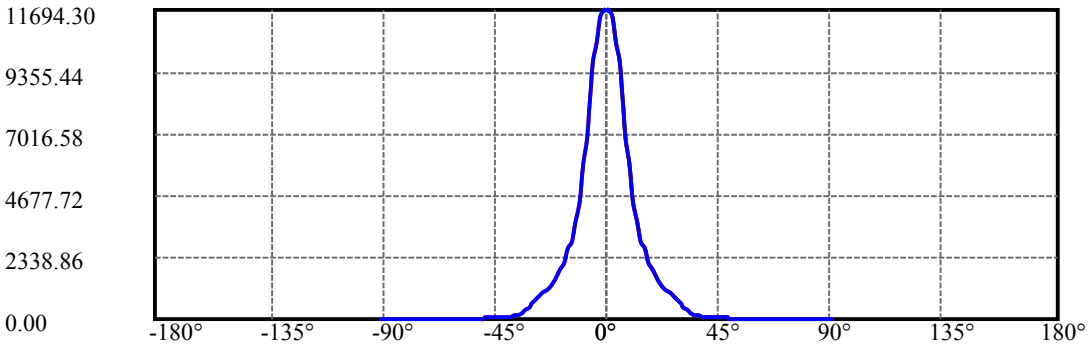
Zone	Lumens	%Lamp	%Fixt
0-30	1979.05	74.77%	88.74%
0-40	2118.43	80.03%	94.99%
0-60	2181.70	82.42%	97.82%
0-90	2229.21	84.22%	99.95%
0-120	2229.21	84.22%	99.95%
0-180	2230.26	84.26%	100.00%
60-90	47.52	1.80%	2.13%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.08	1784.21	67.41%	80.00%

ZONAL LUMEN SUMMARY

0-10	766.20
10-20	753.59
20-30	459.26
30-40	139.38
40-50	39.84
50-60	23.43
60-70	19.20
70-80	17.46
80-90	10.86
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):

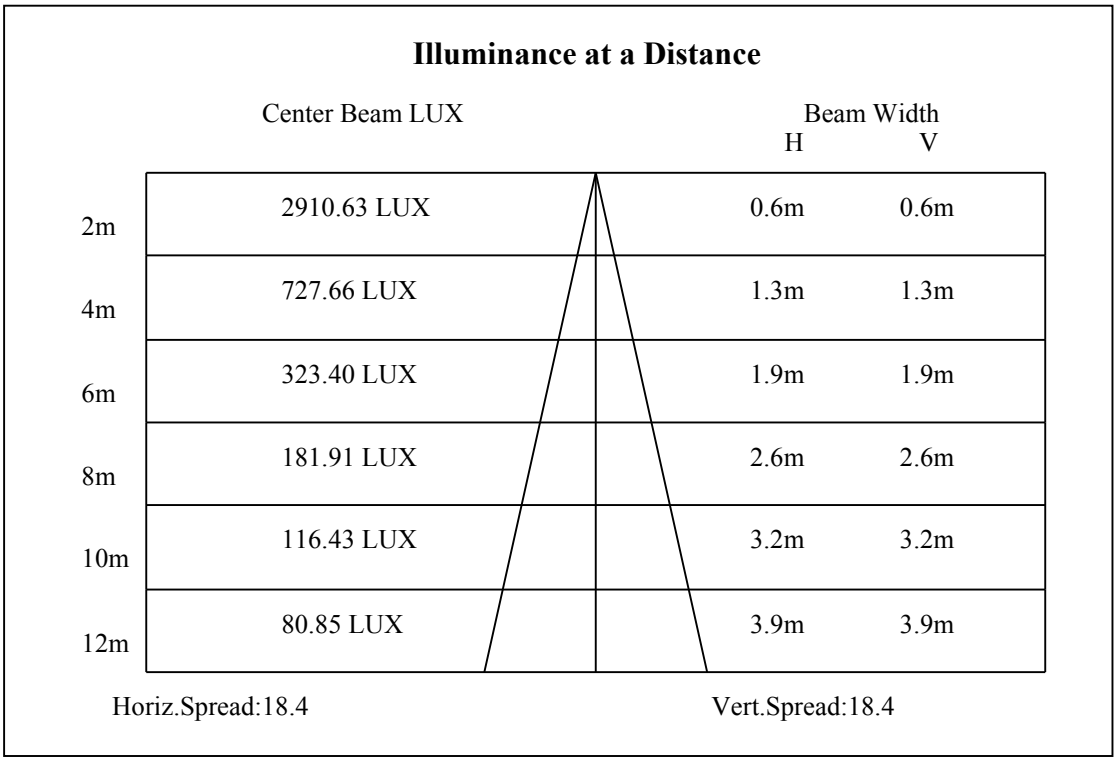
C0/C180:

C90/C270:

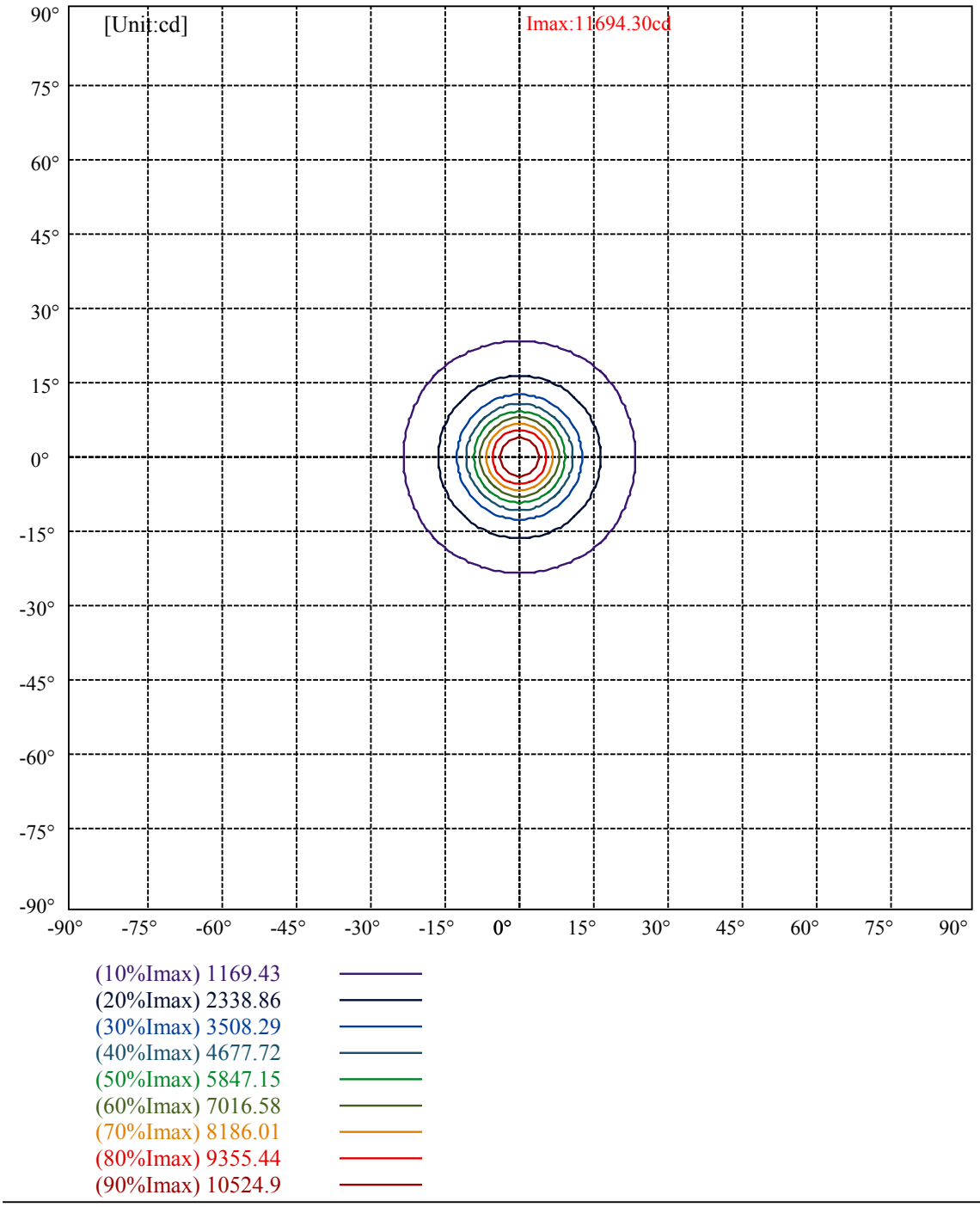
Field angle(10%Imax):C0/180Left:24.2 Right:22.2
:C90/270Left:24.2 Right:22.2

Beam Angle(50%Imax):C0/180Left:10.1 Right:8.1
:C90/270Left:10.1 Right:8.1

Lux distance Curve



ISO-Intensity(V-H)

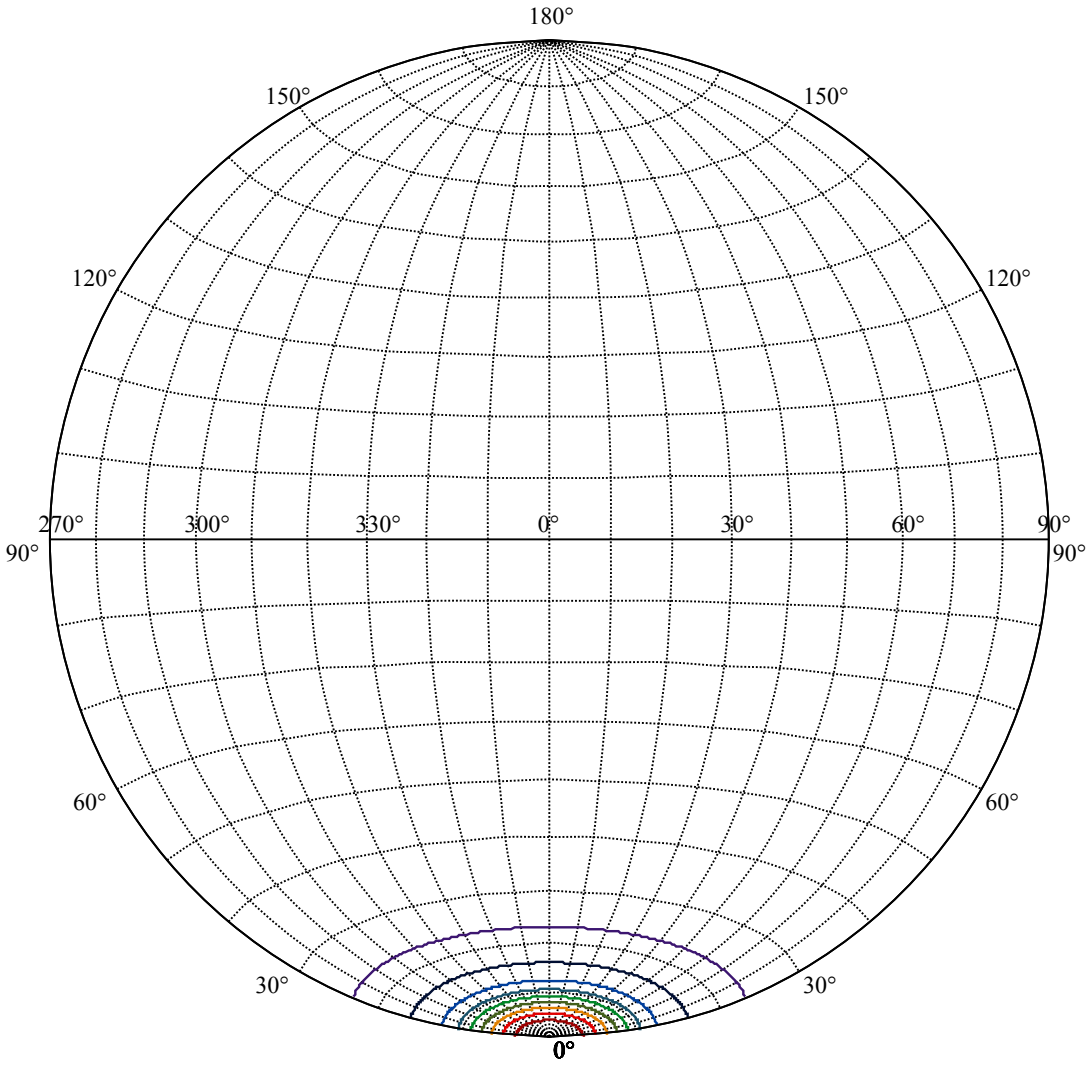


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/16
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



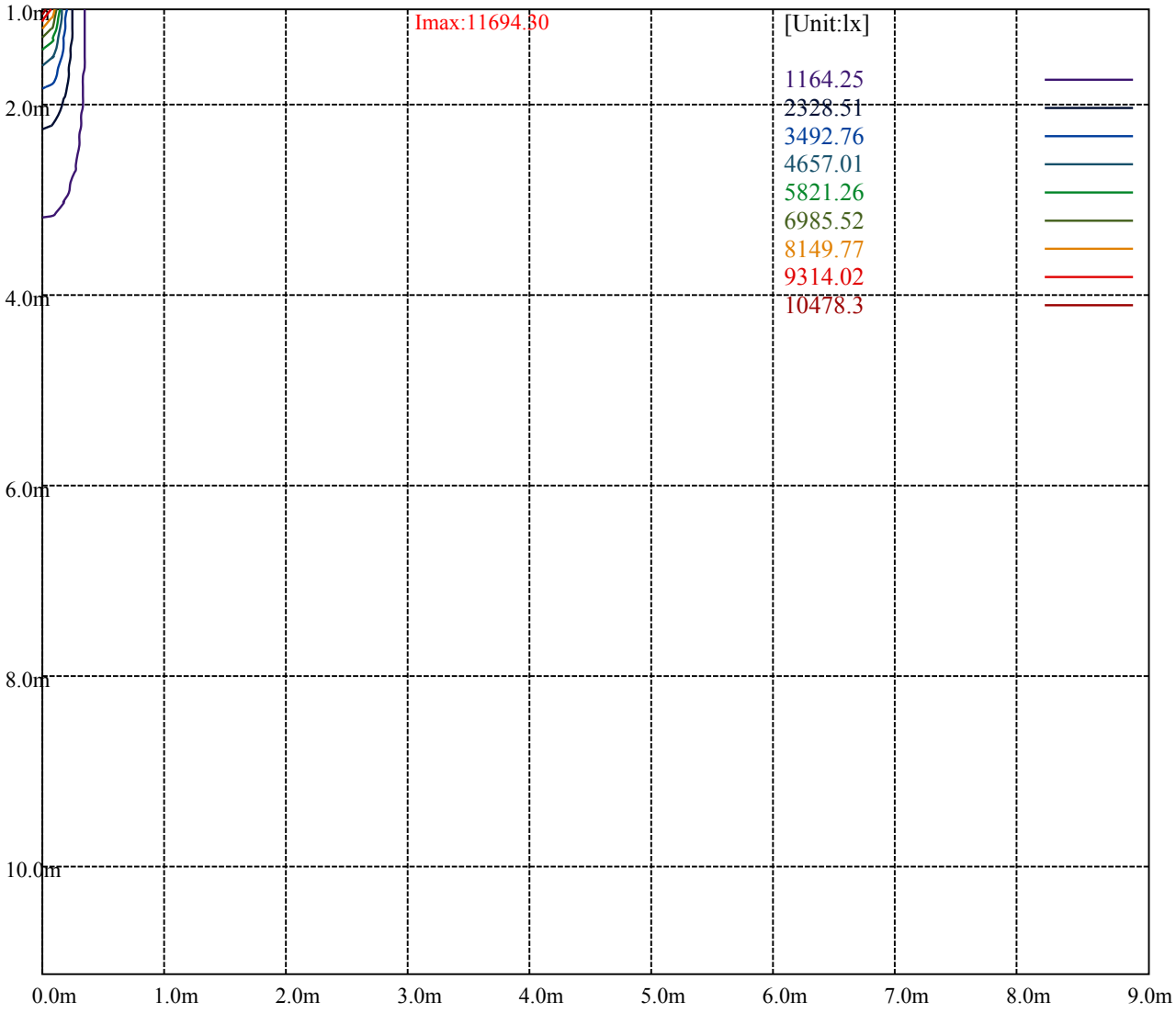
[Unit:cd]

Imax:11694.30

(10%Imax) 1169.43
(20%Imax) 2338.86
(30%Imax) 3508.29
(40%Imax) 4677.72
(50%Imax) 5847.15
(60%Imax) 7016.58
(70%Imax) 8186.01
(80%Imax) 9355.44
(90%Imax) 10524.9

Equipment: GMS1980	Date: 2024/4/16	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/16
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

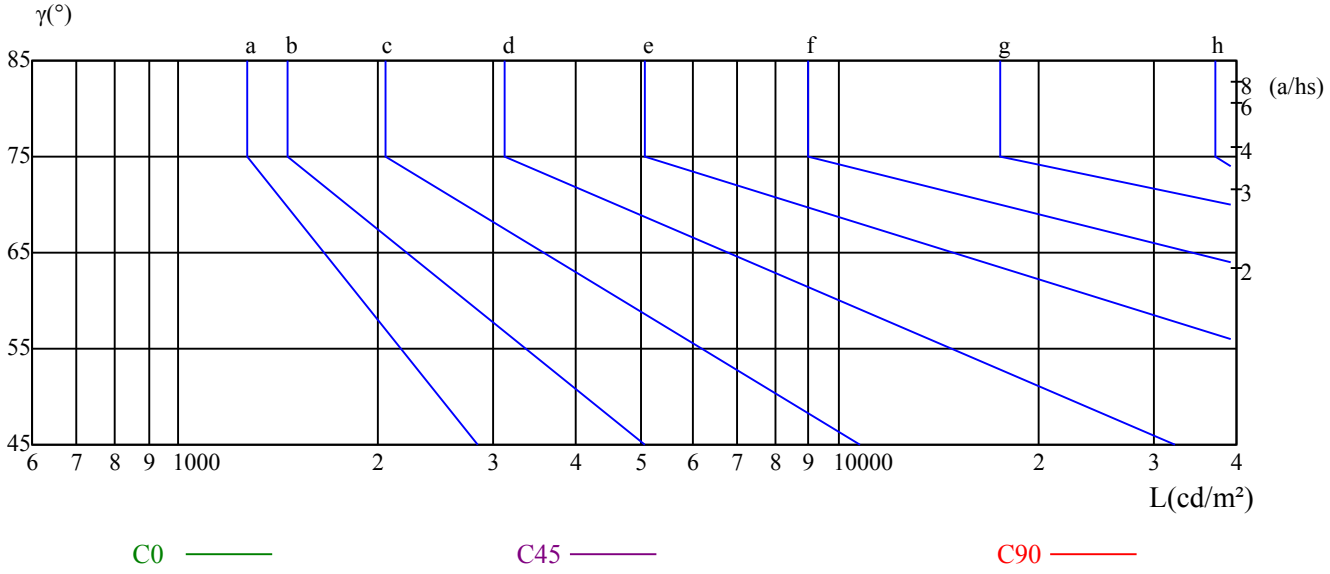
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

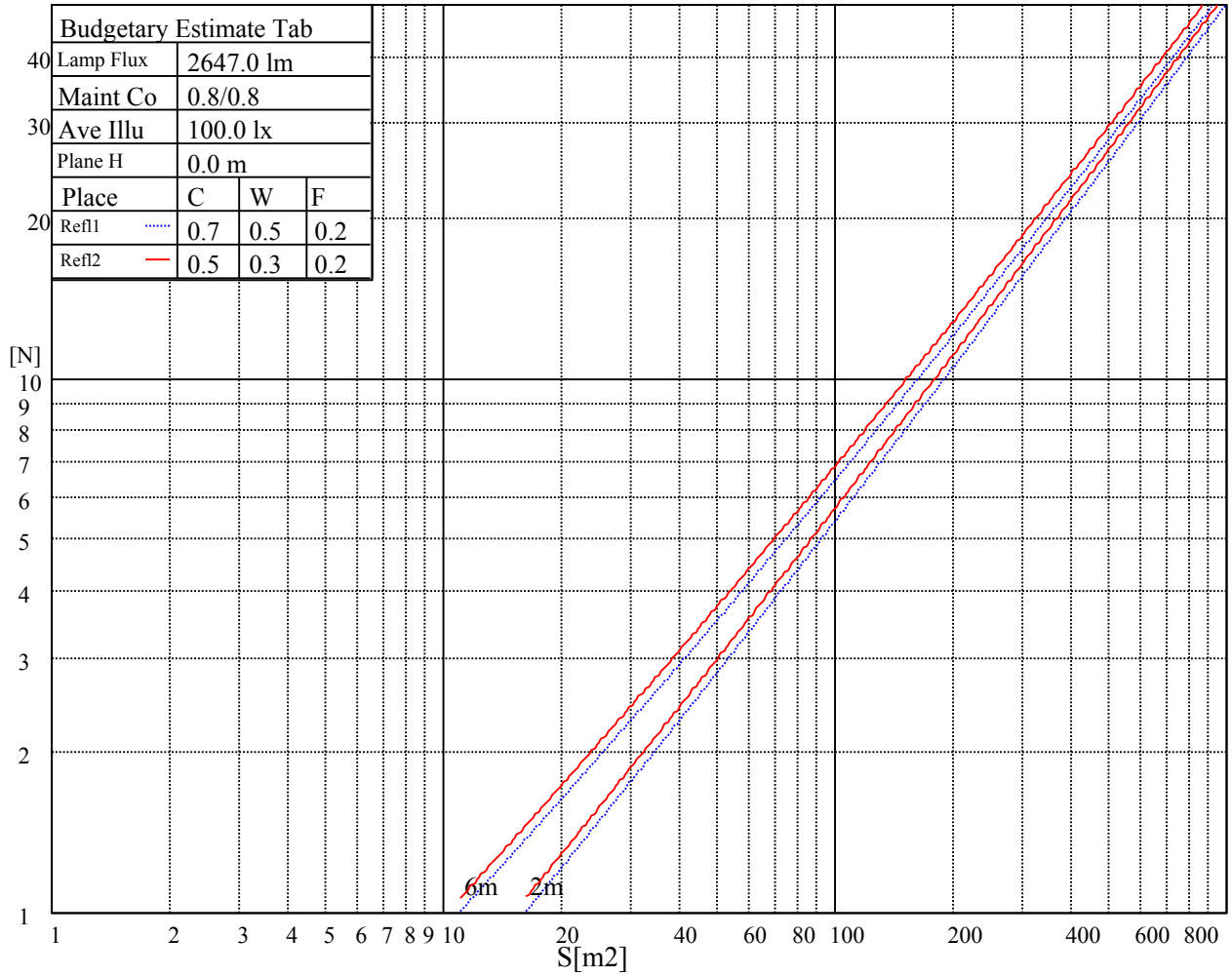
Luminance Limitting Curve



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

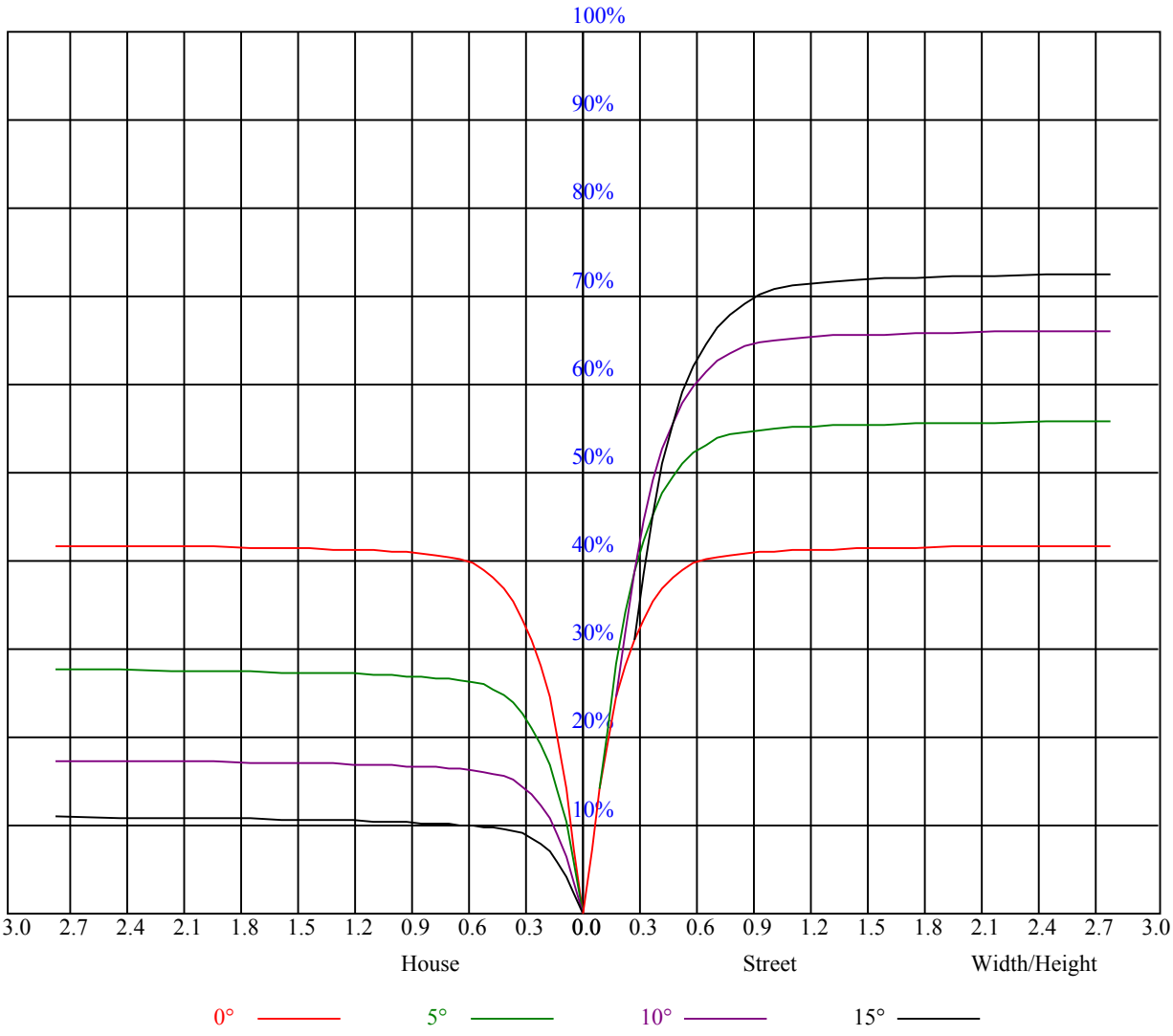


Equipment: GMS1980 Date: 2024/4/16 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

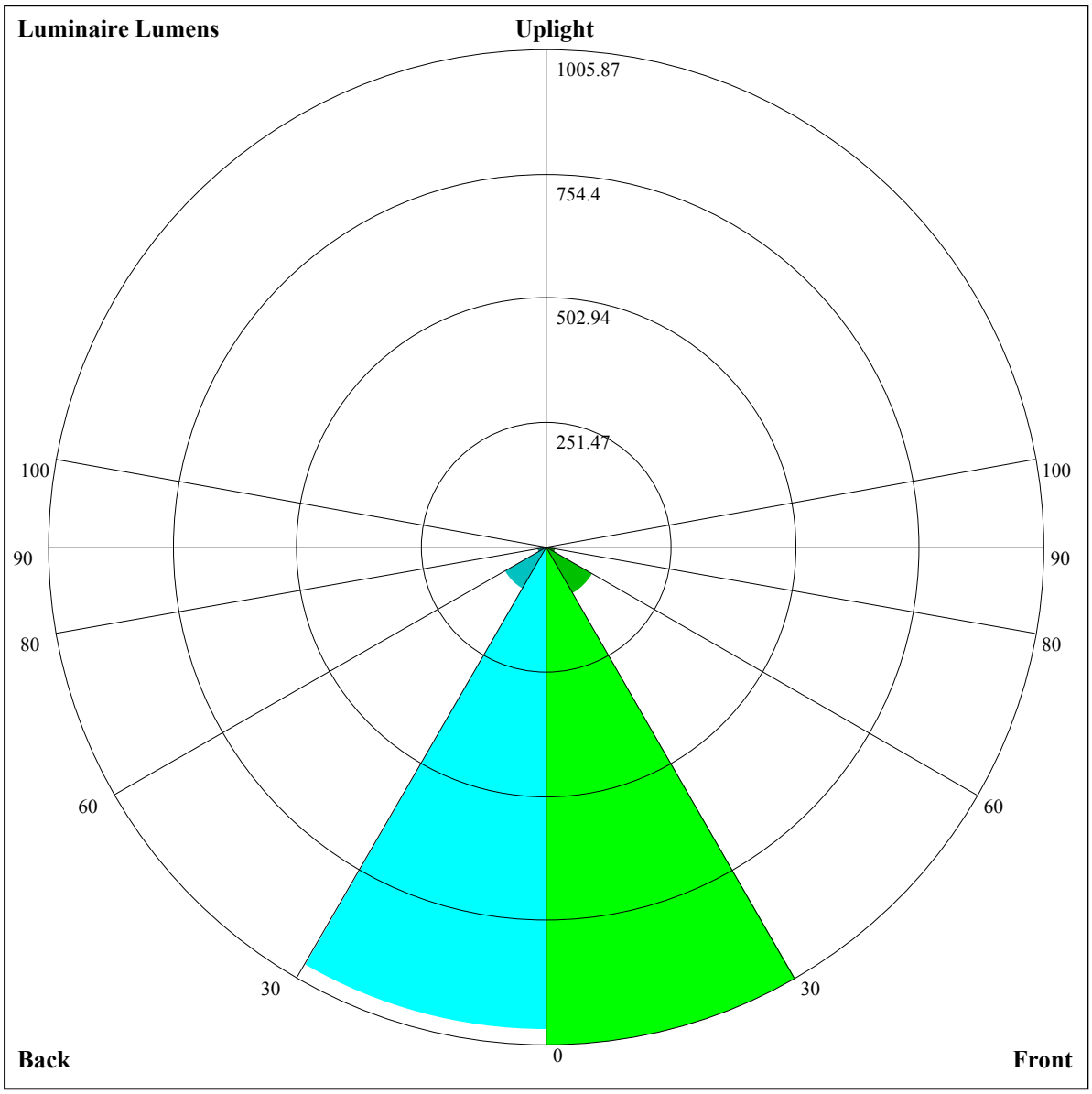
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.00	1.00	1.00	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.84
1	0.94	0.92	0.91	0.92	0.91	0.89	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.80
2	0.89	0.86	0.84	0.88	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.80	0.80	0.79	0.78	0.77
3	0.85	0.81	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.78	0.76	0.75	0.73
4	0.81	0.77	0.75	0.80	0.77	0.74	0.78	0.76	0.73	0.77	0.74	0.72	0.75	0.73	0.72	0.71
5	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.74	0.72	0.70	0.73	0.71	0.69	0.68
6	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.67	0.66
7	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
8	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.61
9	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.66	0.63	0.61	0.65	0.62	0.60	0.59
10	0.65	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.63	0.61	0.59	0.58

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/16	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

LCS Graph



Luminaire Lumens:
FL=1005.87,FM=106.71,FH=18.33,FVH=5.98
BL=977.42,BM=97.46,BH=18.46,BVH=6.05
UL=0,UH=0

BUG Rating:B2-U0-G0

Equipment: GMS1980	Date: 2024/4/16	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

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	11623.80	11623.80	11469.30	11039.16	10493.73	9607.70	8803.60	7926.35	6801.54
45.0	11648.96	11648.96	11813.35	11514.89	11099.38	10572.67	9706.54	8893.08	7787.00
90.0	11649.55	11649.55	11391.46	10934.99	10333.96	9598.92	8531.47	7616.18	6703.23
135.0	11647.79	11842.61	11672.90	11251.54	10736.54	10092.79	9308.59	8424.90	7277.86
180.0	11623.80	11813.35	11590.97	11210.57	10537.56	9847.00	9021.83	7863.08	6926.72
225.0	11648.96	11491.54	11055.54	10481.44	9770.98	8694.16	7750.19	6801.54	5889.18
270.0	11649.55	11836.76	11579.26	11210.57	10713.13	9887.96	9080.35	8167.40	7008.65
315.0	11647.79	11647.79	11323.58	10716.70	10084.07	9321.52	8225.40	7301.33	6392.47
360.0	11623.80	11623.80	11469.30	11039.16	10493.73	9607.70	8803.60	7926.35	6801.54

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5947.70	5140.67	4288.00	3744.91	3299.56	2868.25	2588.51	2345.06	2133.79
45.0	6897.46	6019.62	5223.72	4351.73	3778.21	3321.74	3040.83	3040.83	2331.59
90.0	5818.37	4826.99	4165.69	3626.11	3097.65	2761.15	2489.02	2199.33	2006.80
135.0	6359.05	5516.33	4755.54	3965.48	3462.19	2964.75	2964.75	2625.96	2171.83
180.0	5803.09	4983.78	4275.65	3713.84	3152.02	2970.60	2970.60	2275.41	2030.79
225.0	4876.15	4197.88	3650.11	3208.26	2771.10	2494.29	2206.94	2012.06	1841.18
270.0	6119.11	5276.39	4527.30	3784.06	3315.88	3029.12	3029.12	2324.57	2116.23
315.0	5531.02	4605.78	3997.73	3507.31	3017.48	2710.24	2448.64	2219.82	1983.39
360.0	5947.70	5140.67	4288.00	3744.91	3299.56	2868.25	2588.51	2345.06	2133.79

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1913.74	1759.24	1617.62	1484.77	1159.97	1159.97	1141.77	1069.56	972.12
45.0	2119.16	1944.18	1749.30	1608.84	1444.98	1320.33	1214.99	1111.40	1039.42
90.0	1840.01	1661.51	1526.33	1398.75	1157.11	1157.11	1080.85	1006.76	904.23
135.0	1940.66	1786.75	1642.20	1474.24	1349.59	1241.91	1133.64	1055.22	971.53
180.0	1859.32	1704.82	1568.46	1412.21	1290.48	1178.70	1082.72	1007.82	894.28
225.0	1659.76	1528.67	1401.67	1151.96	1151.96	1070.61	990.67	905.87	795.50
270.0	1939.49	1735.25	1597.14	1470.73	1312.72	1200.35	1104.96	1028.88	951.05
315.0	1817.18	1670.29	1504.67	1375.34	1151.02	1151.02	1080.03	1005.88	924.71
360.0	1913.74	1759.24	1617.62	1484.77	1159.97	1159.97	1141.77	1069.56	972.12

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	880.71	765.83	678.04	589.73	480.41	399.53	320.41	229.29	172.17
45.0	956.90	869.12	755.58	666.63	577.68	490.48	386.89	310.81	310.81
90.0	814.63	724.80	632.75	542.15	430.84	347.45	253.23	190.90	141.27
135.0	883.16	791.28	677.16	585.87	495.74	390.99	313.15	313.15	169.01
180.0	804.74	716.37	604.60	513.30	428.44	350.61	295.01	295.01	149.76
225.0	707.71	618.29	505.81	420.07	323.16	254.22	196.17	153.56	123.95
270.0	867.36	756.17	664.87	575.33	486.38	378.70	300.86	300.86	217.88
315.0	813.76	723.63	630.46	538.76	428.50	346.04	271.02	193.18	151.05
360.0	880.71	765.83	678.04	589.73	480.41	399.53	320.41	229.29	172.17

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	135.54	117.05	101.54	91.82	82.75	74.56	65.78	59.69	53.31
45.0	226.48	133.43	115.52	103.18	90.89	82.11	72.28	65.49	59.46
90.0	121.43	109.14	98.32	86.50	77.95	70.23	63.50	56.30	51.38
135.0	136.59	116.75	105.28	95.45	86.44	76.37	69.23	62.79	57.24
180.0	125.53	110.43	100.25	91.59	82.98	73.09	66.07	58.64	53.49
225.0	111.43	100.83	91.70	80.88	72.86	65.84	59.75	53.14	48.69
270.0	135.77	120.03	106.04	96.45	87.32	76.72	69.23	62.62	56.88
315.0	127.40	110.84	100.42	89.01	80.59	72.80	65.84	59.69	53.20
360.0	135.54	117.05	101.54	91.82	82.75	74.56	65.78	59.69	53.31

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	48.75	44.89	40.79	38.04	35.64	33.42	31.13	29.61	28.27
45.0	53.08	48.63	44.77	41.32	37.69	35.11	32.89	30.96	28.97
90.0	47.05	43.25	39.33	36.52	33.59	31.54	29.73	27.92	26.69
135.0	51.32	47.17	43.48	39.56	36.81	34.41	31.95	30.31	28.62
180.0	48.92	44.18	40.97	38.16	35.82	33.12	31.25	29.61	28.15
225.0	43.89	40.61	37.81	34.76	32.66	30.72	28.73	27.33	26.10
270.0	50.62	46.35	42.72	39.56	36.23	33.88	31.84	29.67	28.15
315.0	48.75	44.89	40.73	37.86	35.46	32.77	30.96	29.38	27.62
360.0	48.75	44.89	40.79	38.04	35.64	33.42	31.13	29.61	28.27

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.10	25.93	25.05	24.35	23.58	23.12	22.65	22.18	21.77
45.0	27.62	26.45	25.22	24.40	23.70	22.94	22.47	22.06	21.59
90.0	25.69	24.81	23.88	23.17	22.65	22.18	21.77	21.48	21.13
135.0	27.39	26.34	25.46	24.70	23.76	23.17	22.77	22.30	21.83
180.0	26.63	25.57	24.70	23.70	23.12	22.41	22.00	21.59	21.24
225.0	25.11	23.94	23.23	22.65	22.12	21.54	21.24	20.89	20.37
270.0	26.86	25.52	24.64	23.82	23.00	22.47	22.06	21.65	21.19
315.0	26.57	25.63	24.58	23.88	23.29	22.88	22.36	21.89	21.54
360.0	27.10	25.93	25.05	24.35	23.58	23.12	22.65	22.18	21.77

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.30	20.60	19.84	19.08	18.26	17.32	16.68	16.21	16.39
45.0	21.24	20.78	20.25	19.37	18.73	17.97	17.26	16.50	15.92
90.0	20.60	20.07	19.43	18.55	17.85	17.15	16.39	16.04	15.92
135.0	21.48	20.89	20.25	19.66	18.73	17.97	17.44	16.74	16.39
180.0	20.66	20.07	19.43	18.79	17.91	17.38	17.56	18.26	19.08
225.0	19.78	18.96	18.26	17.56	16.85	16.09	15.57	15.10	14.75
270.0	20.72	20.13	19.49	18.67	17.91	17.21	16.62	16.50	16.85
315.0	21.01	20.19	19.55	18.67	17.79	17.21	16.56	16.39	16.56
360.0	21.30	20.60	19.84	19.08	18.26	17.32	16.68	16.21	16.39

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.85	16.91	16.50	16.04	15.51	14.92	14.40	13.99	13.05
45.0	15.27	14.81	14.46	14.05	13.69	13.40	13.11	12.70	12.41
90.0	16.33	17.03	17.79	18.26	18.43	18.32	18.08	17.62	16.04
135.0	16.39	16.74	17.50	18.26	18.55	18.90	19.20	18.61	17.62
180.0	19.72	19.84	19.55	19.14	18.49	17.85	17.38	16.74	15.86
225.0	14.28	13.93	13.64	13.34	12.93	12.64	12.23	11.94	11.70
270.0	17.44	18.02	18.79	19.02	18.84	18.55	17.85	16.62	14.63
315.0	17.09	17.79	18.32	18.43	18.55	18.67	17.97	16.62	14.46
360.0	16.85	16.91	16.50	16.04	15.51	14.92	14.40	13.99	13.05

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.00	11.41	11.12	10.77	10.53	10.36	10.01	9.77	9.60
45.0	12.17	11.82	11.47	11.18	10.89	10.65	10.24	9.95	9.71
90.0	14.16	12.11	11.18	10.94	10.48	10.12	9.89	9.71	9.48
135.0	15.98	13.99	11.70	11.12	10.71	10.24	10.01	9.77	9.71
180.0	14.10	11.76	11.06	10.77	10.48	10.07	9.83	9.71	9.48
225.0	11.41	11.18	10.94	10.71	10.12	9.89	9.71	9.54	9.60
270.0	12.82	11.59	11.29	11.18	11.06	10.24	9.95	9.71	9.54
315.0	12.06	11.29	10.94	10.71	10.53	10.07	9.83	9.71	9.48
360.0	12.00	11.41	11.12	10.77	10.53	10.36	10.01	9.77	9.60

Intensity data(cd)

C/γ(°)	90.0
0.0	9.54
45.0	9.54
90.0	9.54
135.0	9.54
180.0	9.60
225.0	9.60
270.0	9.66
315.0	9.66
360.0	9.54