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

NT

Client:
LumCAT: 2-2684-L
Luminaire: 92.70.411.00
Report No: 2024418-B015
Ballast type: AC

Test No: 2024418-C015	Voltage(V): 33.670
LampCAT: NICHIA NFCWJ120B-V3	Current(A): 0.576
Lamp flux(lm): 2726.0	Power (W): 19.393
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2341.35, Efficiency(%): 85.89% , Luminous Efficacy(lm/W): 120.73
Central intensity(cd): 5417.121, Maximum intensity(cd): 5417.121
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=34.2
[C90/270]Total=34.2
Field angle(10%Imax): [C0/180]Total=64.4
[C90/270]Total=64.4
Maximum s/h(1/2): C0_180=0.56 C90_270=0.56
Maximum s/h(1/4): C0_180=0.60 C90_270=0.60
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.89%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.975%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5417.121	0.000	0	0.00%	0.00%
1.0	5403.148	5.177	5.177	0.19%	0.22%
2.0	5372.351	15.466	20.643	0.57%	0.88%
3.0	5301.758	25.529	46.172	0.94%	1.97%
4.0	5213.901	35.199	81.372	1.29%	3.48%
5.0	5098.831	44.365	125.736	1.63%	5.37%
6.0	4974.837	52.940	178.676	1.94%	7.63%
7.0	4836.138	60.897	239.573	2.23%	10.23%
8.0	4678.128	68.092	307.665	2.50%	13.14%
9.0	4493.416	74.330	381.995	2.73%	16.32%
10.0	4303.730	79.611	461.606	2.92%	19.72%
11.0	4115.361	84.124	545.73	3.09%	23.31%
12.0	3898.535	87.603	633.333	3.21%	27.05%
13.0	3665.908	89.771	723.104	3.29%	30.88%
14.0	3440.743	90.965	814.069	3.34%	34.77%
15.0	3202.702	91.204	905.273	3.35%	38.66%
16.0	2986.535	90.690	995.962	3.33%	42.54%
17.0	2737.010	89.131	1085.093	3.27%	46.34%
18.0	2544.251	87.077	1172.17	3.19%	50.06%
19.0	2351.931	85.184	1257.353	3.12%	53.70%
20.0	2188.434	83.101	1340.455	3.05%	57.25%
21.0	2019.231	80.796	1421.251	2.96%	60.70%
22.0	1847.980	77.713	1498.964	2.85%	64.02%
23.0	1707.672	74.607	1573.571	2.74%	67.21%
24.0	1562.682	71.502	1645.073	2.62%	70.26%
25.0	1362.396	66.510	1711.582	2.44%	73.10%
26.0	1241.204	61.458	1773.041	2.25%	75.73%
27.0	1153.083	58.577	1831.618	2.15%	78.23%
28.0	1035.724	55.416	1887.034	2.03%	80.60%
29.0	906.360	50.810	1937.844	1.86%	82.77%
30.0	781.407	45.569	1983.413	1.67%	84.71%
31.0	664.238	40.230	2023.643	1.48%	86.43%
32.0	564.567	35.204	2058.847	1.29%	87.93%
33.0	465.627	30.350	2089.197	1.11%	89.23%
34.0	385.663	25.763	2114.96	0.95%	90.33%
35.0	327.309	22.142	2137.102	0.81%	91.28%
36.0	276.877	19.237	2156.339	0.71%	92.10%
37.0	256.255	17.388	2173.727	0.64%	92.84%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	193.636	15.017	2188.744	0.55%	93.48%
39.0	158.830	12.031	2200.775	0.44%	94.00%
40.0	134.741	10.239	2211.013	0.38%	94.43%
41.0	113.768	8.849	2219.863	0.32%	94.81%
42.0	95.845	7.616	2227.478	0.28%	95.14%
43.0	81.785	6.580	2234.058	0.24%	95.42%
44.0	71.822	5.798	2239.856	0.21%	95.67%
45.0	63.314	5.193	2245.049	0.19%	95.89%
46.0	56.913	4.702	2249.751	0.17%	96.09%
47.0	51.829	4.325	2254.076	0.16%	96.27%
48.0	47.681	4.023	2258.099	0.15%	96.44%
49.0	44.514	3.786	2261.885	0.14%	96.61%
50.0	41.397	3.582	2265.467	0.13%	96.76%
51.0	38.917	3.398	2268.865	0.12%	96.90%
52.0	36.862	3.252	2272.116	0.12%	97.04%
53.0	34.901	3.122	2275.238	0.11%	97.18%
54.0	33.102	2.997	2278.235	0.11%	97.30%
55.0	31.258	2.873	2281.108	0.11%	97.43%
56.0	29.810	2.760	2283.868	0.10%	97.55%
57.0	28.361	2.660	2286.527	0.10%	97.66%
58.0	27.067	2.563	2289.091	0.09%	97.77%
59.0	25.786	2.471	2291.562	0.09%	97.87%
60.0	24.682	2.384	2293.946	0.09%	97.98%
61.0	23.665	2.307	2296.253	0.08%	98.07%
62.0	22.707	2.234	2298.488	0.08%	98.17%
63.0	21.741	2.162	2300.649	0.08%	98.26%
64.0	20.819	2.088	2302.738	0.08%	98.35%
65.0	20.102	2.025	2304.763	0.07%	98.44%
66.0	19.386	1.970	2306.733	0.07%	98.52%
67.0	18.632	1.912	2308.645	0.07%	98.60%
68.0	17.966	1.854	2310.499	0.07%	98.68%
69.0	17.381	1.803	2312.302	0.07%	98.76%
70.0	16.884	1.760	2314.062	0.06%	98.83%
71.0	16.269	1.714	2315.775	0.06%	98.91%
72.0	15.735	1.664	2317.439	0.06%	98.98%
73.0	15.282	1.622	2319.061	0.06%	99.05%
74.0	14.879	1.586	2320.647	0.06%	99.12%
75.0	14.448	1.550	2322.197	0.06%	99.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.009	1.511	2323.707	0.06%	99.25%
77.0	13.672	1.476	2325.183	0.05%	99.31%
78.0	13.328	1.445	2326.628	0.05%	99.37%
79.0	12.933	1.411	2328.039	0.05%	99.43%
80.0	12.509	1.372	2329.411	0.05%	99.49%
81.0	12.187	1.336	2330.747	0.05%	99.55%
82.0	11.858	1.304	2332.051	0.05%	99.60%
83.0	11.434	1.266	2333.317	0.05%	99.66%
84.0	11.017	1.223	2334.54	0.04%	99.71%
85.0	10.790	1.190	2335.73	0.04%	99.76%
86.0	10.549	1.166	2336.896	0.04%	99.81%
87.0	10.322	1.142	2338.039	0.04%	99.86%
88.0	10.146	1.121	2339.16	0.04%	99.91%
89.0	9.920	1.100	2340.26	0.04%	99.95%
90.0	9.890	1.086	2341.346	0.04%	100.00%

Zonal flux distribution table

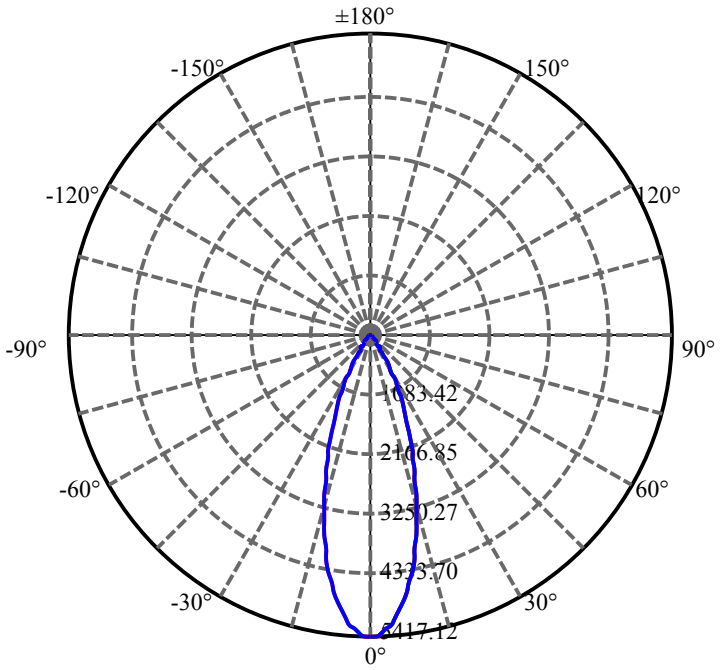
ZONAL LUMEN SUMMARY

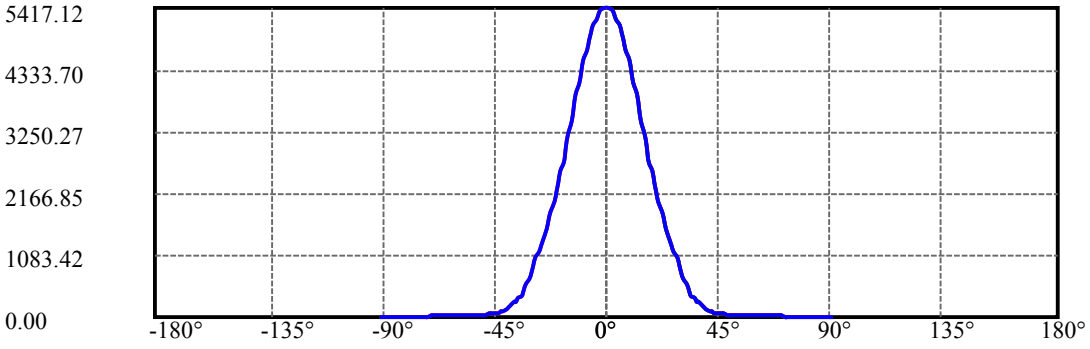
Zone	Lumens	%Lamp	%Fixt
0-30	1983.41	72.76%	84.71%
0-40	2211.01	81.11%	94.43%
0-60	2293.95	84.15%	97.98%
0-90	2340.26	85.85%	99.95%
0-120	2340.26	85.85%	99.95%
0-180	2341.35	85.89%	100.00%
60-90	46.31	1.70%	1.98%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.75	1873.08	68.71%	80.00%

ZONAL LUMEN SUMMARY

0-10	461.61
10-20	878.85
20-30	642.96
30-40	227.60
40-50	54.45
50-60	28.48
60-70	20.12
70-80	15.35
80-90	10.85
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):

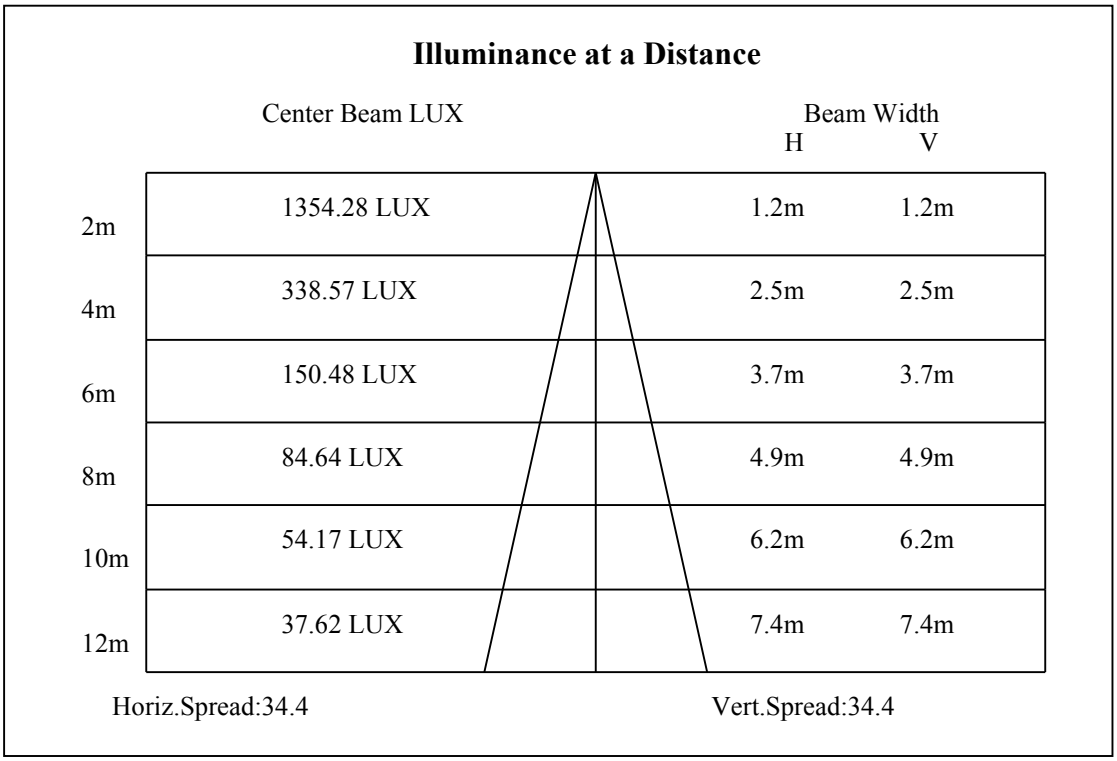
C0/C180:

C90/C270:

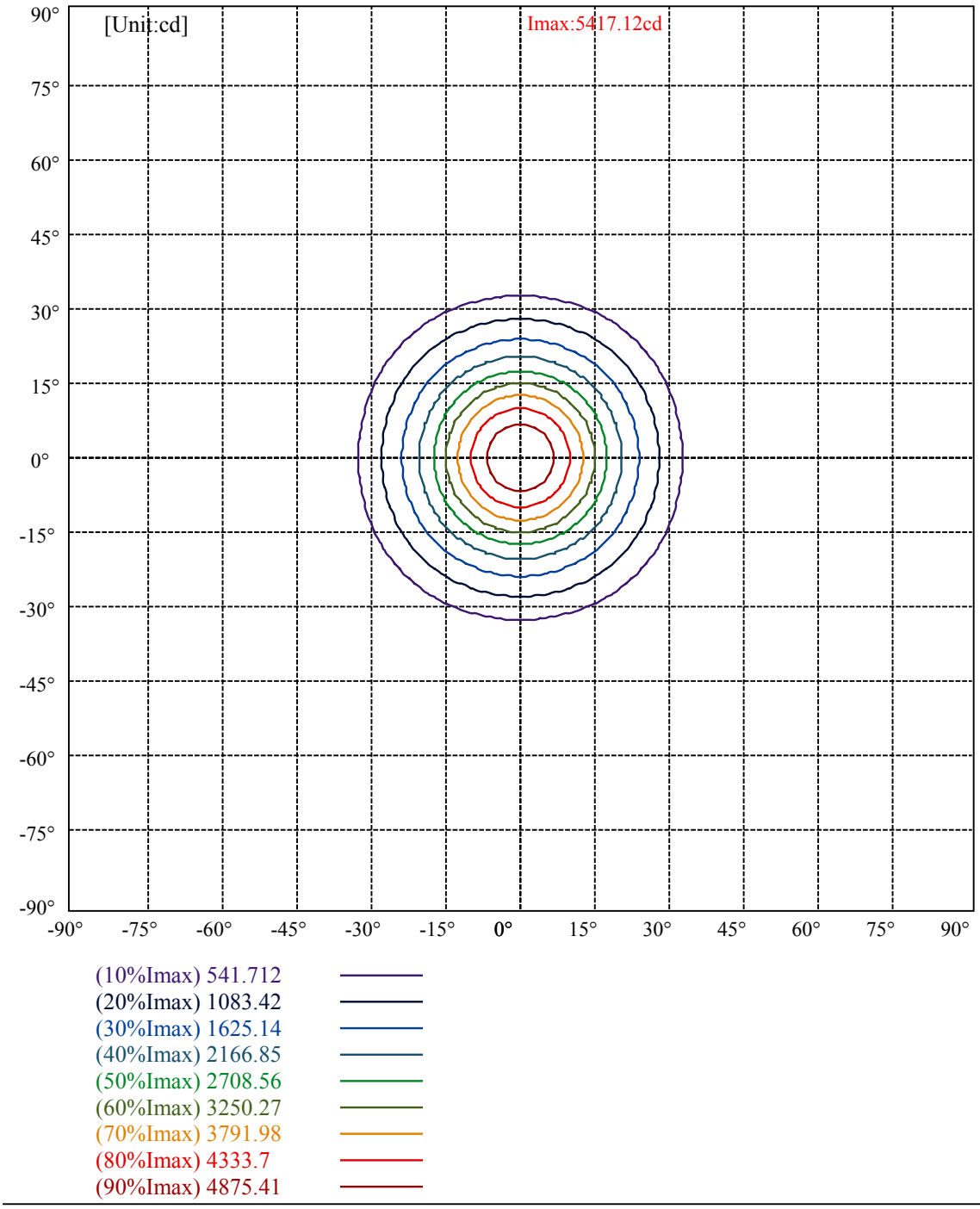
Field angle(10%Imax):C0/180Left:32.2 Right:32.2
:C90/270Left:32.2 Right:32.2

Beam Angle(50%Imax):C0/180Left:17.1 Right:17.1
:C90/270Left:17.1 Right:17.1

Lux distance Curve



ISO-Intensity(V-H)



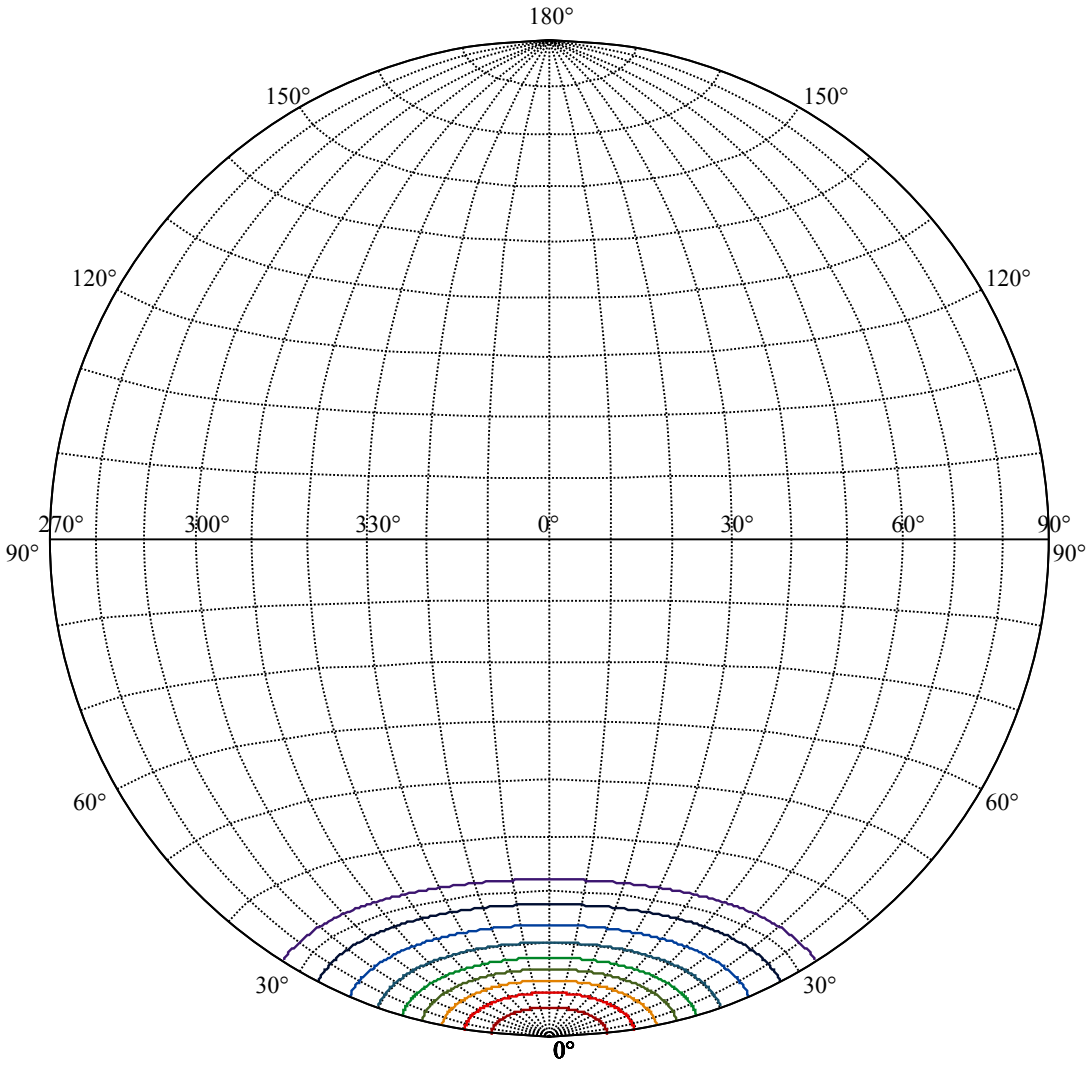
(10%Imax) 541.712
(20%Imax) 1083.42
(30%Imax) 1625.14
(40%Imax) 2166.85
(50%Imax) 2708.56
(60%Imax) 3250.27
(70%Imax) 3791.98
(80%Imax) 4333.7
(90%Imax) 4875.41

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/18
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



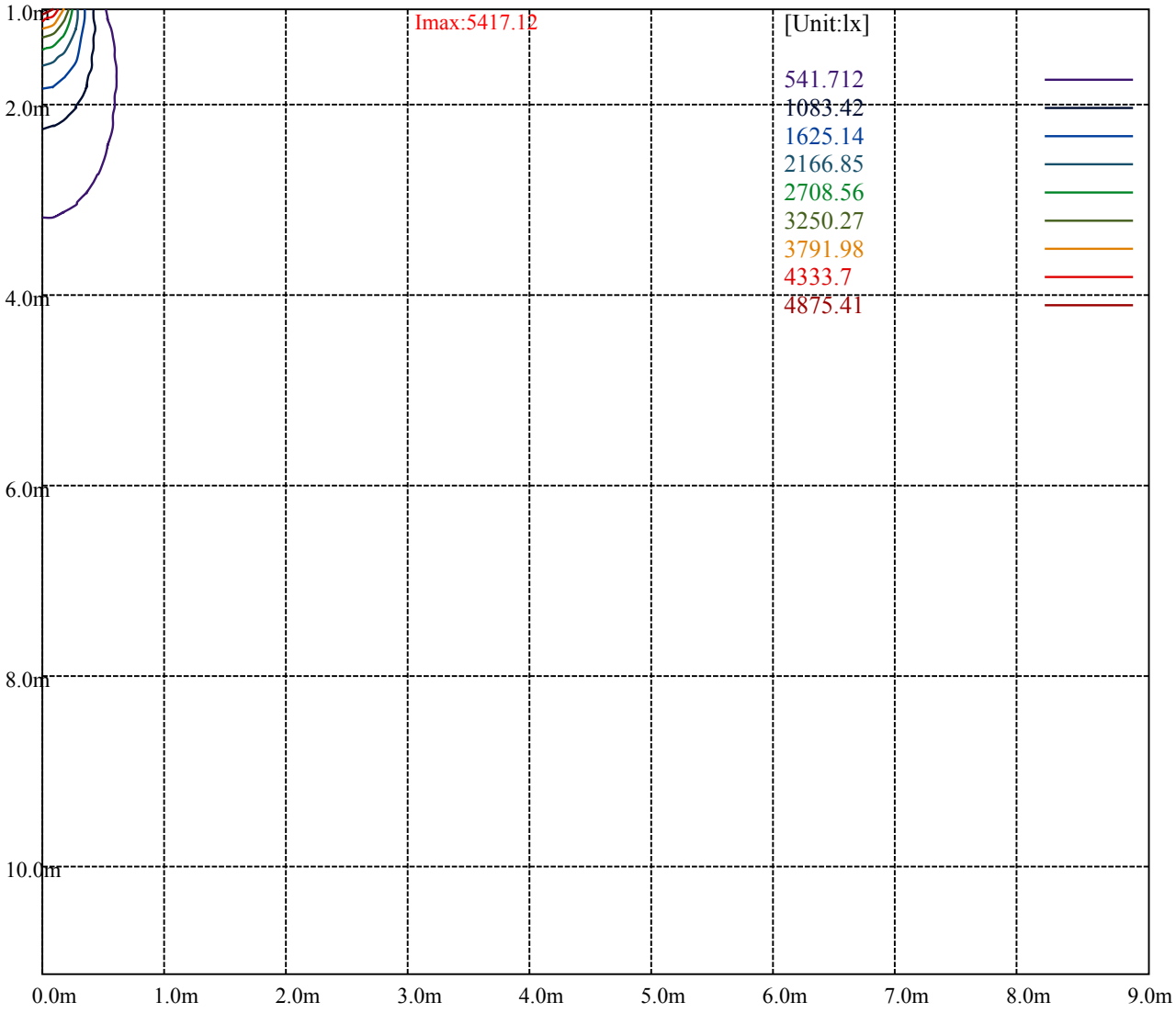
House [Unit:cd] Road

Imax:5417.12

(10%Imax) 541.712
(20%Imax) 1083.42
(30%Imax) 1625.14
(40%Imax) 2166.85
(50%Imax) 2708.56
(60%Imax) 3250.27
(70%Imax) 3791.98
(80%Imax) 4333.7
(90%Imax) 4875.41

Equipment: GMS1980	Date: 2024/4/18	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/18
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2684-L

Luminance Limitting Curve(no luminous side)

Luminance Table

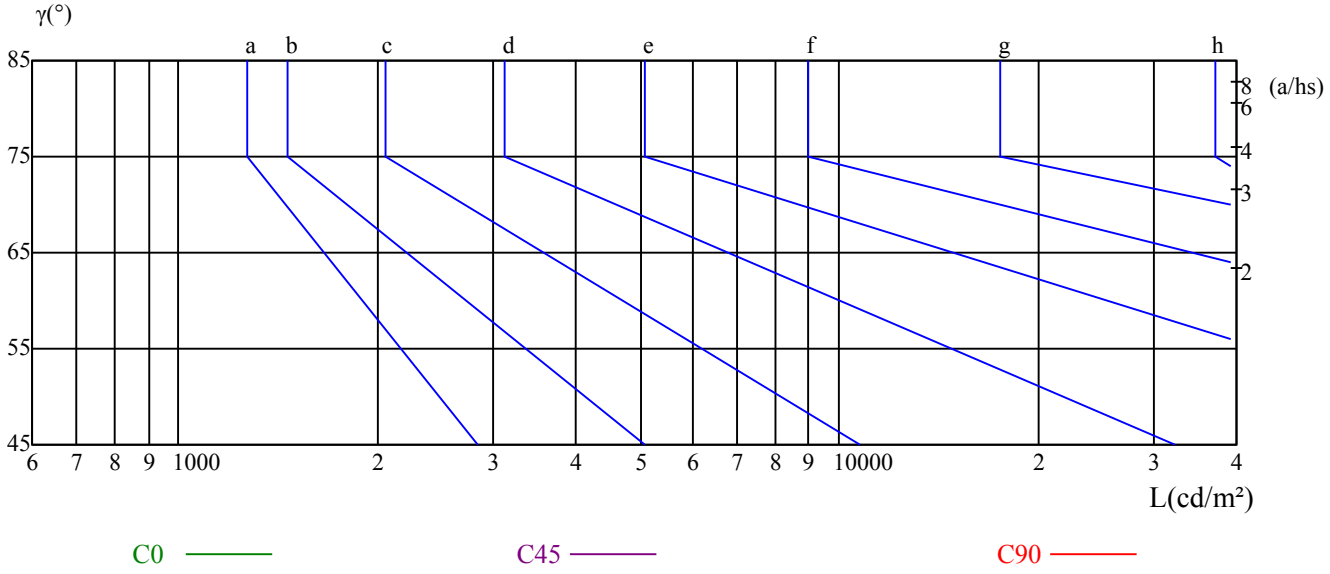
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

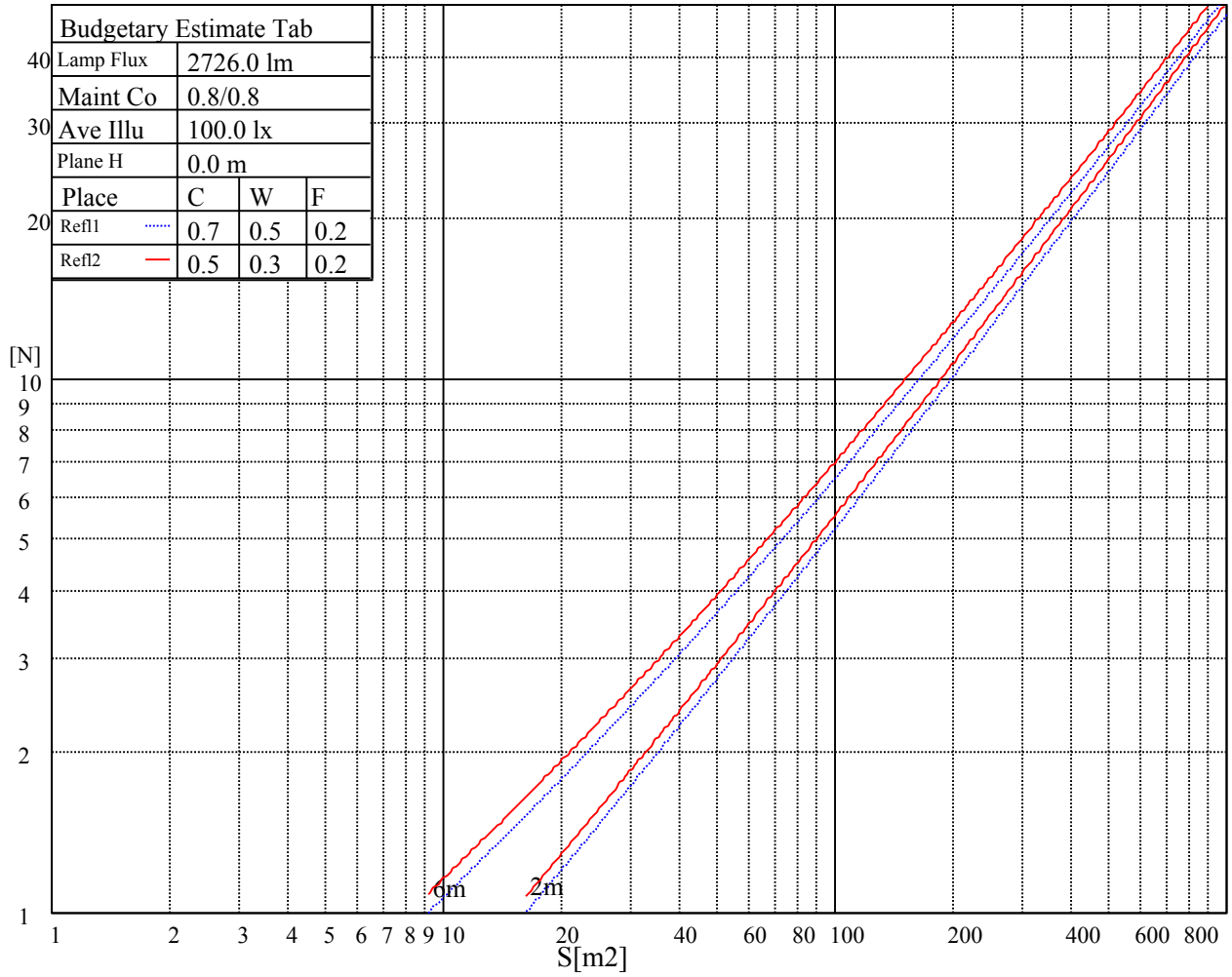
Date: 2024/4/18
Humidity(%): 60.0%

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

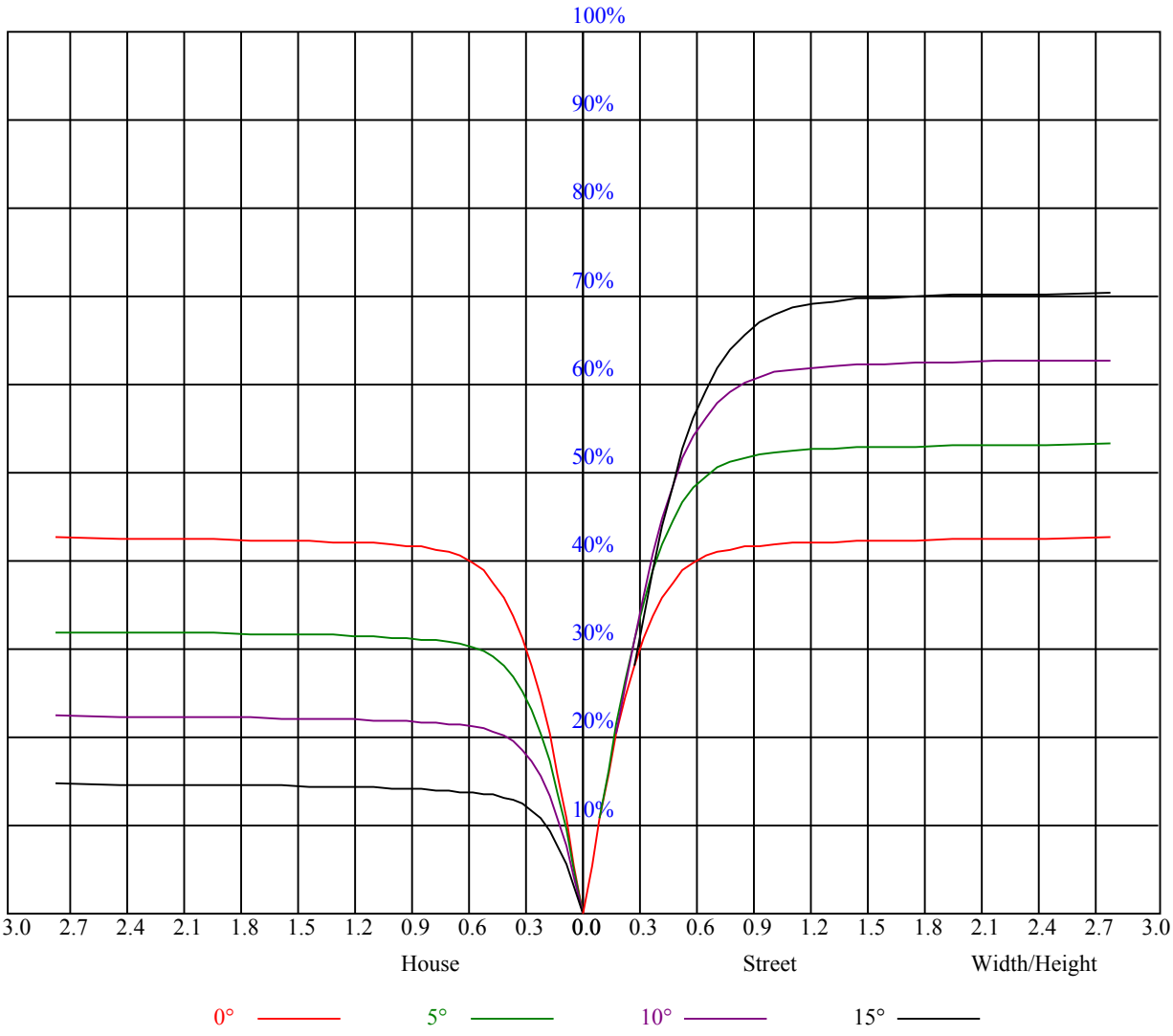


Equipment: GMS1980 Date: 2024/4/18 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

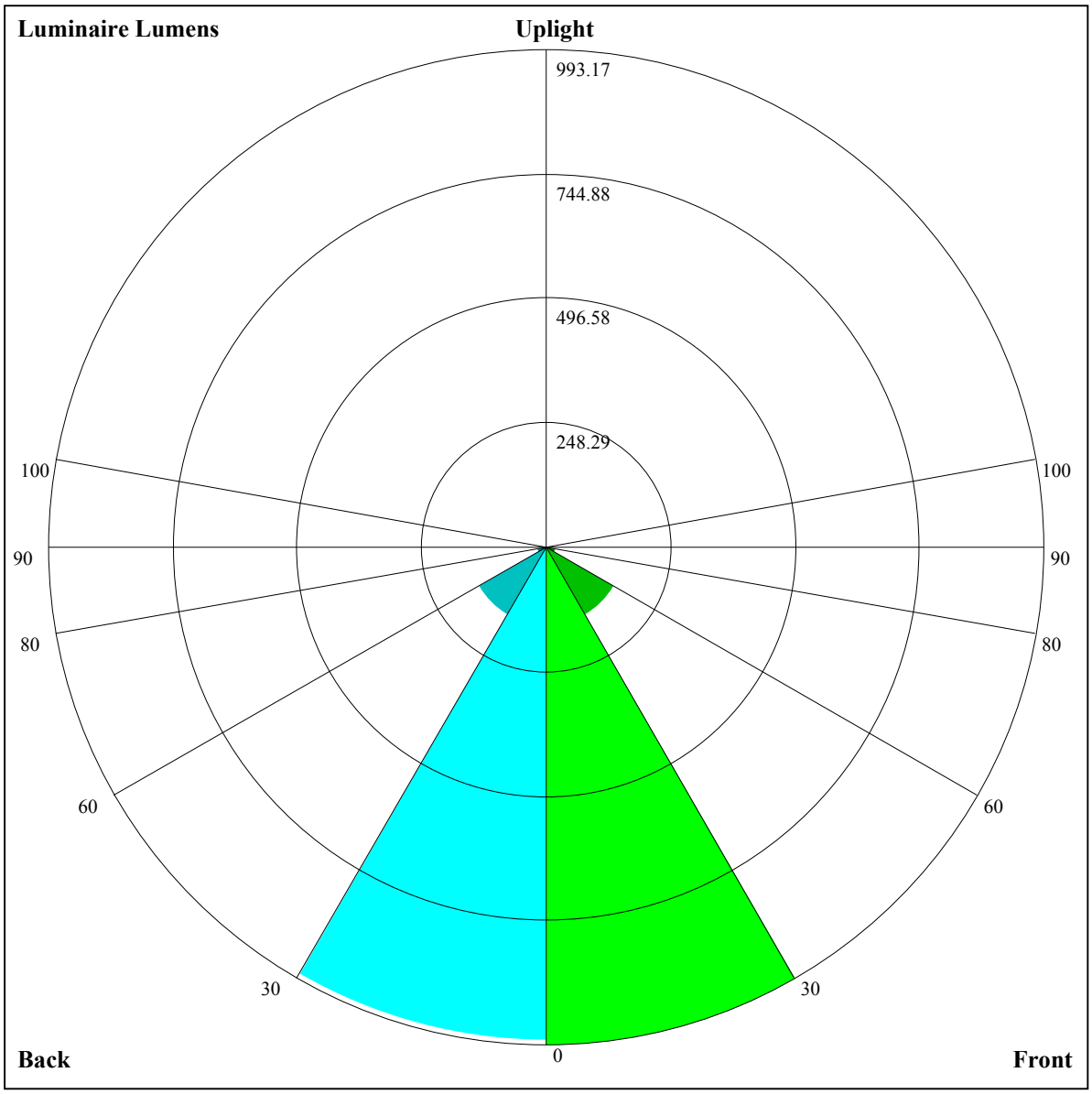
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.02	1.02	1.02	1.00	1.00	1.00	0.95	0.95	0.95	0.91	0.91	0.91	0.88	0.88	0.88	0.86
1	0.96	0.94	0.92	0.94	0.92	0.90	0.90	0.89	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81
2	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.83	0.81	0.83	0.81	0.79	0.81	0.79	0.78	0.76
3	0.85	0.81	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.77	0.75	0.74	0.72
4	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.74	0.72	0.70	0.69
5	0.76	0.72	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.72	0.69	0.67	0.71	0.68	0.66	0.65
6	0.72	0.68	0.65	0.72	0.68	0.64	0.71	0.67	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
7	0.69	0.65	0.61	0.69	0.64	0.61	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.59
8	0.66	0.62	0.59	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.57
9	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.55	0.61	0.58	0.55	0.54
10	0.61	0.56	0.53	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.58	0.55	0.53	0.52

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/18	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

LCS Graph



Luminaire Lumens:
FL=993.17,FM=157.84,FH=17.81,FVH=6
BL=984.26,BM=156.53,BH=17.69,BVH=5.96
UL=0,UH=0

BUG Rating:B2-U0-G0

Equipment: GMS1980	Date: 2024/4/18	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	5412.22	5375.94	5319.17	5250.11	5176.96	5048.79	4932.92	4819.97	4687.13
45.0	5435.04	5401.69	5374.76	5318.00	5230.21	5160.57	5059.91	4942.28	4806.51
90.0	5412.22	5363.65	5294.59	5225.53	5145.36	5017.19	4900.15	4773.15	4605.19
135.0	5405.78	5404.61	5384.13	5304.54	5231.97	5118.44	5009.58	4876.15	4711.70
180.0	5412.22	5422.17	5416.32	5351.36	5257.13	5134.82	5023.63	4881.42	4721.07
225.0	5441.48	5446.75	5422.17	5318.58	5201.54	5082.15	4895.47	4720.48	4530.29
270.0	5412.22	5433.29	5439.14	5404.03	5310.98	5208.56	5090.93	4929.41	4772.57
315.0	5405.78	5377.11	5328.53	5241.92	5157.06	5020.12	4886.10	4746.23	4590.56
360.0	5412.22	5375.94	5319.17	5250.11	5176.96	5048.79	4932.92	4819.97	4687.13

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4501.02	4313.75	4121.21	3858.45	3648.35	3431.82	3162.61	2950.18	2692.09
45.0	4671.91	4513.90	4335.99	4100.14	3885.37	3664.15	3392.02	3166.13	2899.85
90.0	4442.50	4208.41	4001.83	3789.39	3569.35	3295.46	3077.76	2868.25	2672.78
135.0	4553.69	4397.44	4220.70	4030.50	3775.93	3551.79	3332.33	3112.29	2851.27
180.0	4498.68	4323.70	4138.18	3946.23	3697.51	3480.39	3263.27	3037.96	2781.05
225.0	4283.32	4086.68	3900.00	3703.36	3458.74	3238.69	3016.31	2805.63	2558.66
270.0	4600.51	4369.93	4183.25	4000.07	3743.16	3531.89	3311.85	3088.29	2822.01
315.0	4395.68	4216.02	4021.72	3760.13	3548.86	3331.74	3065.47	2863.56	2618.36
360.0	4501.02	4313.75	4121.21	3858.45	3648.35	3431.82	3162.61	2950.18	2692.09

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2508.92	2342.71	2176.51	1979.29	1830.64	1691.36	1556.76	1426.84	1147.16
45.0	2705.55	2520.62	2346.81	2140.23	1988.65	1842.93	1703.06	1530.42	1403.43
90.0	2448.64	2281.85	2123.25	1970.51	1790.26	1654.49	1488.29	1143.24	1143.24
135.0	2662.25	2438.11	2271.90	2117.99	1924.28	1782.07	1641.03	1473.07	1346.08
180.0	2585.00	2349.74	2189.39	2041.32	1851.71	1704.82	1568.46	1408.11	1284.04
225.0	2379.58	2173.00	2020.26	1875.12	1701.31	1564.95	1431.52	1148.68	1148.68
270.0	2623.62	2438.69	2277.17	2085.80	1930.13	1788.51	1606.50	1475.41	1319.16
315.0	2440.45	2270.73	2102.19	1943.59	1766.85	1632.25	1505.84	1293.41	1137.85
360.0	2508.92	2342.71	2176.51	1979.29	1830.64	1691.36	1556.76	1426.84	1147.16

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1147.16	1026.95	884.33	774.31	639.65	540.69	454.60	368.46	312.33
45.0	1272.92	1148.86	1000.79	887.84	746.81	642.05	543.73	440.73	373.43
90.0	1084.71	967.79	852.61	713.74	609.04	512.89	430.61	350.90	297.88
135.0	1219.67	1097.36	979.73	837.52	728.66	625.08	506.86	427.27	363.48
180.0	1162.90	1047.03	934.08	794.21	685.36	582.94	468.82	396.26	337.15
225.0	1032.40	919.27	806.09	672.31	574.11	485.85	393.80	335.69	286.41
270.0	1196.84	1082.72	938.17	825.81	716.37	611.62	493.99	415.57	351.78
315.0	1108.07	995.82	855.07	745.52	613.90	515.41	432.60	350.43	296.01
360.0	1147.16	1026.95	884.33	774.31	639.65	540.69	454.60	368.46	312.33

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	264.11	223.56	180.66	152.45	129.51	110.78	91.76	80.00	70.70
45.0	317.84	305.55	249.36	182.53	154.73	132.03	109.91	95.45	83.80
90.0	252.47	214.19	173.93	147.07	125.41	103.88	89.89	76.20	67.48
135.0	297.94	297.94	201.96	170.59	144.38	122.49	101.24	87.49	76.31
180.0	298.52	298.52	197.75	161.93	137.47	117.05	96.50	83.39	72.86
225.0	235.20	200.85	171.06	139.93	118.68	101.30	87.02	72.98	64.26
270.0	299.11	299.11	205.41	174.34	147.89	120.32	102.36	84.57	73.45
315.0	249.83	210.33	168.95	141.80	119.85	102.30	88.08	74.21	65.72
360.0	264.11	223.56	180.66	152.45	129.51	110.78	91.76	80.00	70.70

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	61.68	56.12	51.50	46.94	43.77	40.44	38.33	36.52	34.76
45.0	72.10	64.73	58.76	52.49	48.22	44.71	41.26	39.03	37.04
90.0	60.57	55.07	49.57	46.06	43.01	40.44	37.86	35.93	34.12
135.0	67.42	59.05	54.02	49.80	46.41	42.60	40.03	37.34	35.41
180.0	64.43	58.17	52.32	48.46	45.24	41.73	39.44	37.45	35.00
225.0	57.76	52.61	47.81	44.77	42.19	39.39	37.34	35.41	33.24
270.0	64.55	56.47	51.62	47.87	44.89	41.79	39.56	37.57	35.76
315.0	58.00	53.08	49.04	45.06	42.37	40.09	37.51	35.64	33.88
360.0	61.68	56.12	51.50	46.94	43.77	40.44	38.33	36.52	34.76

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	33.07	31.13	29.67	28.32	27.04	25.63	24.58	23.58	22.53
45.0	34.70	33.01	31.43	29.96	28.21	27.04	25.87	24.70	23.47
90.0	32.54	30.61	29.20	27.51	26.34	25.28	23.94	23.00	22.18
135.0	33.71	31.72	30.26	28.85	27.33	26.22	25.11	24.05	23.17
180.0	33.18	31.25	29.79	28.38	27.21	25.81	24.76	23.70	22.88
225.0	31.66	29.79	28.38	27.10	25.98	24.70	23.70	22.82	21.95
270.0	33.65	32.01	30.61	28.91	27.68	26.22	25.22	24.11	23.17
315.0	32.30	30.55	29.14	27.86	26.74	25.40	24.29	23.35	22.30
360.0	33.07	31.13	29.67	28.32	27.04	25.63	24.58	23.58	22.53

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.71	20.72	20.07	19.43	18.55	17.91	17.38	16.91	16.21
45.0	22.59	21.48	20.72	20.01	19.25	18.49	17.85	17.32	16.74
90.0	21.36	20.37	19.66	19.08	18.38	17.67	17.15	16.68	15.98
135.0	22.06	21.19	20.42	19.61	18.96	18.20	17.56	17.09	16.44
180.0	21.77	20.95	20.19	19.37	18.67	18.02	17.38	16.85	16.21
225.0	20.89	20.19	19.55	18.67	18.02	17.50	16.85	16.39	15.86
270.0	22.12	21.24	20.48	19.78	18.96	18.26	17.67	17.15	16.56
315.0	21.42	20.42	19.72	19.14	18.26	17.67	17.21	16.68	16.15
360.0	21.71	20.72	20.07	19.43	18.55	17.91	17.38	16.91	16.21

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.74	15.33	14.98	14.46	14.10	13.75	13.40	12.99	12.58
45.0	16.21	15.68	15.27	14.81	14.40	14.05	13.58	13.28	12.82
90.0	15.51	15.16	14.63	14.28	13.81	13.46	13.17	12.76	12.35
135.0	15.86	15.39	14.98	14.51	14.10	13.75	13.46	13.11	12.64
180.0	15.68	15.27	14.86	14.40	13.99	13.64	13.28	12.93	12.41
225.0	15.27	14.86	14.51	14.10	13.69	13.34	12.99	12.58	12.23
270.0	16.04	15.39	15.04	14.63	14.10	13.75	13.52	13.05	12.64
315.0	15.57	15.16	14.75	14.40	13.87	13.64	13.23	12.76	12.41
360.0	15.74	15.33	14.98	14.46	14.10	13.75	13.40	12.99	12.58

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.23	11.94	11.53	11.06	10.89	10.65	10.36	10.12	9.95
45.0	12.47	12.17	11.76	11.29	11.00	10.77	10.53	10.24	10.12
90.0	12.06	11.70	11.29	10.89	10.71	10.48	10.24	10.12	9.83
135.0	12.29	11.94	11.59	11.06	10.83	10.59	10.36	10.18	9.95
180.0	12.17	11.88	11.41	10.94	10.77	10.48	10.30	10.30	9.89
225.0	11.94	11.53	11.00	10.77	10.59	10.36	10.18	10.01	9.89
270.0	12.29	11.94	11.59	11.12	10.83	10.59	10.42	10.12	9.89
315.0	12.06	11.76	11.29	11.00	10.71	10.48	10.18	10.07	9.83
360.0	12.23	11.94	11.53	11.06	10.89	10.65	10.36	10.12	9.95

Intensity data(cd)

C/γ(°)	90.0
0.0	9.83
45.0	9.89
90.0	9.89
135.0	9.83
180.0	10.01
225.0	9.95
270.0	9.89
315.0	9.83
360.0	9.83