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NT

Client:
LumCAT: 2-2678-L
Luminaire: 92.70.411.00
Report No: 2024416-B002
Ballast type: AC

Test No: 2024416-C002	Voltage(V): 33.810
LampCAT: NICHIA NFCWJ108B-V3	Current(A): 0.577
Lamp flux(lm): 2647.0	Power (W): 19.508
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2229.23, Efficiency(%): 84.22% , Luminous Efficacy(lm/W): 114.27
Central intensity(cd): 9148.589, Maximum intensity(cd): 9148.589
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=21.2
[C90/270]Total=21.2
Field angle(10%Imax): [C0/180]Total=55.0
[C90/270]Total=55.0
Maximum s/h(1/2): C0_180=0.36 C90_270=0.36
Maximum s/h(1/4): C0_180=0.39 C90_270=0.39
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.22%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.779%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9148.588	0.000	0	0.00%	0.00%
1.0	9114.353	8.738	8.738	0.33%	0.39%
2.0	8982.677	25.975	34.713	0.98%	1.56%
3.0	8737.395	42.381	77.094	1.60%	3.46%
4.0	8429.347	57.463	134.556	2.17%	6.04%
5.0	7977.041	70.579	205.136	2.67%	9.20%
6.0	7432.343	80.980	286.116	3.06%	12.83%
7.0	6827.952	88.513	374.629	3.34%	16.81%
8.0	6197.738	93.222	467.852	3.52%	20.99%
9.0	5532.922	95.071	562.922	3.59%	25.25%
10.0	4888.443	94.310	657.232	3.56%	29.48%
11.0	4337.380	92.185	749.417	3.48%	33.62%
12.0	3788.586	88.828	838.245	3.36%	37.60%
13.0	3348.350	84.697	922.943	3.20%	41.40%
14.0	2980.097	81.004	1003.946	3.06%	45.04%
15.0	2653.469	77.340	1081.287	2.92%	48.50%
16.0	2381.266	73.773	1155.059	2.79%	51.81%
17.0	2146.664	70.512	1225.571	2.66%	54.98%
18.0	1955.003	67.628	1293.199	2.55%	58.01%
19.0	1774.973	64.894	1358.093	2.45%	60.92%
20.0	1623.765	62.206	1420.299	2.35%	63.71%
21.0	1490.480	59.800	1480.099	2.26%	66.40%
22.0	1334.650	56.772	1536.871	2.14%	68.94%
23.0	1245.425	54.137	1591.008	2.05%	71.37%
24.0	1184.056	53.117	1644.125	2.01%	73.75%
25.0	1110.889	52.182	1696.307	1.97%	76.09%
26.0	1040.194	50.777	1747.084	1.92%	78.37%
27.0	956.141	48.841	1795.925	1.85%	80.56%
28.0	871.788	46.279	1842.204	1.75%	82.64%
29.0	780.873	43.238	1885.442	1.63%	84.58%
30.0	693.316	39.803	1925.245	1.50%	86.36%
31.0	599.643	35.981	1961.226	1.36%	87.98%
32.0	513.937	31.903	1993.129	1.21%	89.41%
33.0	429.701	27.800	2020.929	1.05%	90.66%
34.0	348.648	23.555	2044.484	0.89%	91.71%
35.0	278.304	19.471	2063.955	0.74%	92.59%
36.0	238.465	16.454	2080.409	0.62%	93.32%
37.0	188.208	13.916	2094.325	0.53%	93.95%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	111.244	9.995	2104.32	0.38%	94.40%
39.0	82.517	6.614	2110.934	0.25%	94.69%
40.0	69.217	5.292	2116.226	0.20%	94.93%
41.0	61.463	4.653	2120.879	0.18%	95.14%
42.0	56.452	4.284	2125.163	0.16%	95.33%
43.0	52.378	4.031	2129.195	0.15%	95.51%
44.0	49.035	3.828	2133.022	0.14%	95.68%
45.0	45.838	3.646	2136.668	0.14%	95.85%
46.0	42.926	3.471	2140.14	0.13%	96.00%
47.0	40.424	3.315	2143.455	0.13%	96.15%
48.0	38.113	3.175	2146.629	0.12%	96.29%
49.0	36.160	3.050	2149.679	0.12%	96.43%
50.0	34.521	2.947	2152.626	0.11%	96.56%
51.0	33.153	2.863	2155.49	0.11%	96.69%
52.0	32.026	2.797	2158.286	0.11%	96.82%
53.0	31.083	2.745	2161.032	0.10%	96.94%
54.0	30.490	2.714	2163.746	0.10%	97.06%
55.0	29.905	2.696	2166.442	0.10%	97.18%
56.0	29.495	2.684	2169.126	0.10%	97.30%
57.0	29.056	2.677	2171.803	0.10%	97.42%
58.0	28.632	2.668	2174.471	0.10%	97.54%
59.0	28.010	2.648	2177.119	0.10%	97.66%
60.0	27.250	2.611	2179.729	0.10%	97.78%
61.0	26.299	2.555	2182.285	0.10%	97.89%
62.0	25.018	2.473	2184.757	0.09%	98.00%
63.0	23.665	2.368	2187.125	0.09%	98.11%
64.0	22.107	2.246	2189.371	0.08%	98.21%
65.0	20.527	2.110	2191.481	0.08%	98.31%
66.0	18.991	1.972	2193.453	0.07%	98.40%
67.0	17.835	1.852	2195.304	0.07%	98.48%
68.0	17.023	1.766	2197.07	0.07%	98.56%
69.0	16.555	1.713	2198.783	0.06%	98.63%
70.0	16.211	1.683	2200.466	0.06%	98.71%
71.0	16.160	1.673	2202.139	0.06%	98.78%
72.0	16.372	1.692	2203.831	0.06%	98.86%
73.0	16.613	1.725	2205.555	0.07%	98.94%
74.0	16.825	1.758	2207.313	0.07%	99.02%
75.0	16.811	1.777	2209.09	0.07%	99.10%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.613	1.774	2210.865	0.07%	99.18%
77.0	16.328	1.756	2212.621	0.07%	99.25%
78.0	15.779	1.719	2214.34	0.06%	99.33%
79.0	14.894	1.648	2215.988	0.06%	99.41%
80.0	13.672	1.540	2217.528	0.06%	99.47%
81.0	12.465	1.413	2218.941	0.05%	99.54%
82.0	11.646	1.308	2220.249	0.05%	99.60%
83.0	11.214	1.243	2221.492	0.05%	99.65%
84.0	10.944	1.207	2222.699	0.05%	99.71%
85.0	10.571	1.174	2223.873	0.04%	99.76%
86.0	10.234	1.137	2225.01	0.04%	99.81%
87.0	9.803	1.097	2226.107	0.04%	99.86%
88.0	9.598	1.063	2227.169	0.04%	99.91%
89.0	9.371	1.040	2228.209	0.04%	99.95%
90.0	9.276	1.022	2229.231	0.04%	100.00%

Zonal flux distribution table

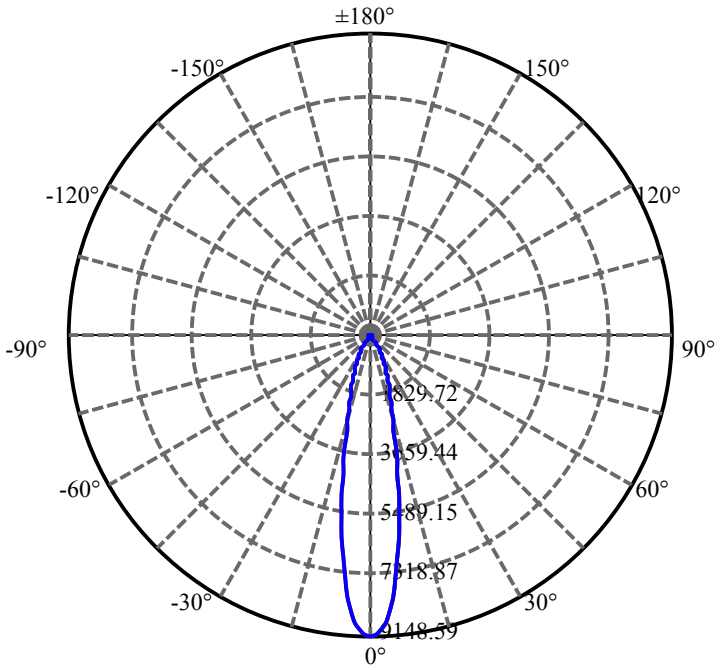
ZONAL LUMEN SUMMARY

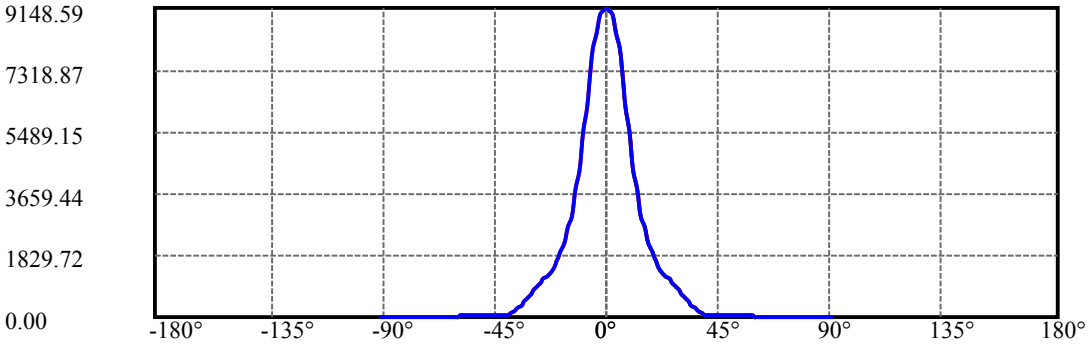
Zone	Lumens	%Lamp	%Fixt
0-30	1925.25	72.73%	86.36%
0-40	2116.23	79.95%	94.93%
0-60	2179.73	82.35%	97.78%
0-90	2228.21	84.18%	99.95%
0-120	2228.21	84.18%	99.95%
0-180	2229.23	84.22%	100.00%
60-90	48.48	1.83%	2.17%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.74	1783.39	67.37%	80.00%

ZONAL LUMEN SUMMARY

0-10	657.23
10-20	763.07
20-30	504.95
30-40	190.98
40-50	36.40
50-60	27.10
60-70	20.74
70-80	17.06
80-90	10.68
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):

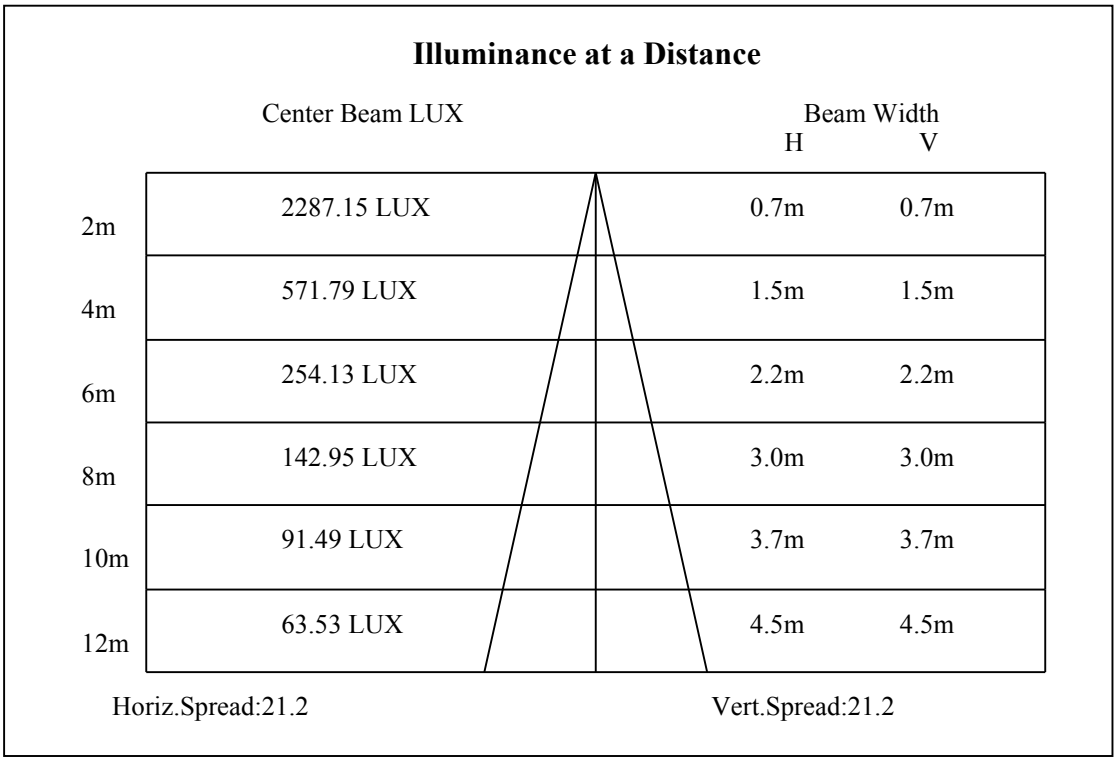
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:27.5 Right:27.5
:C90/270Left:27.5 Right:27.5

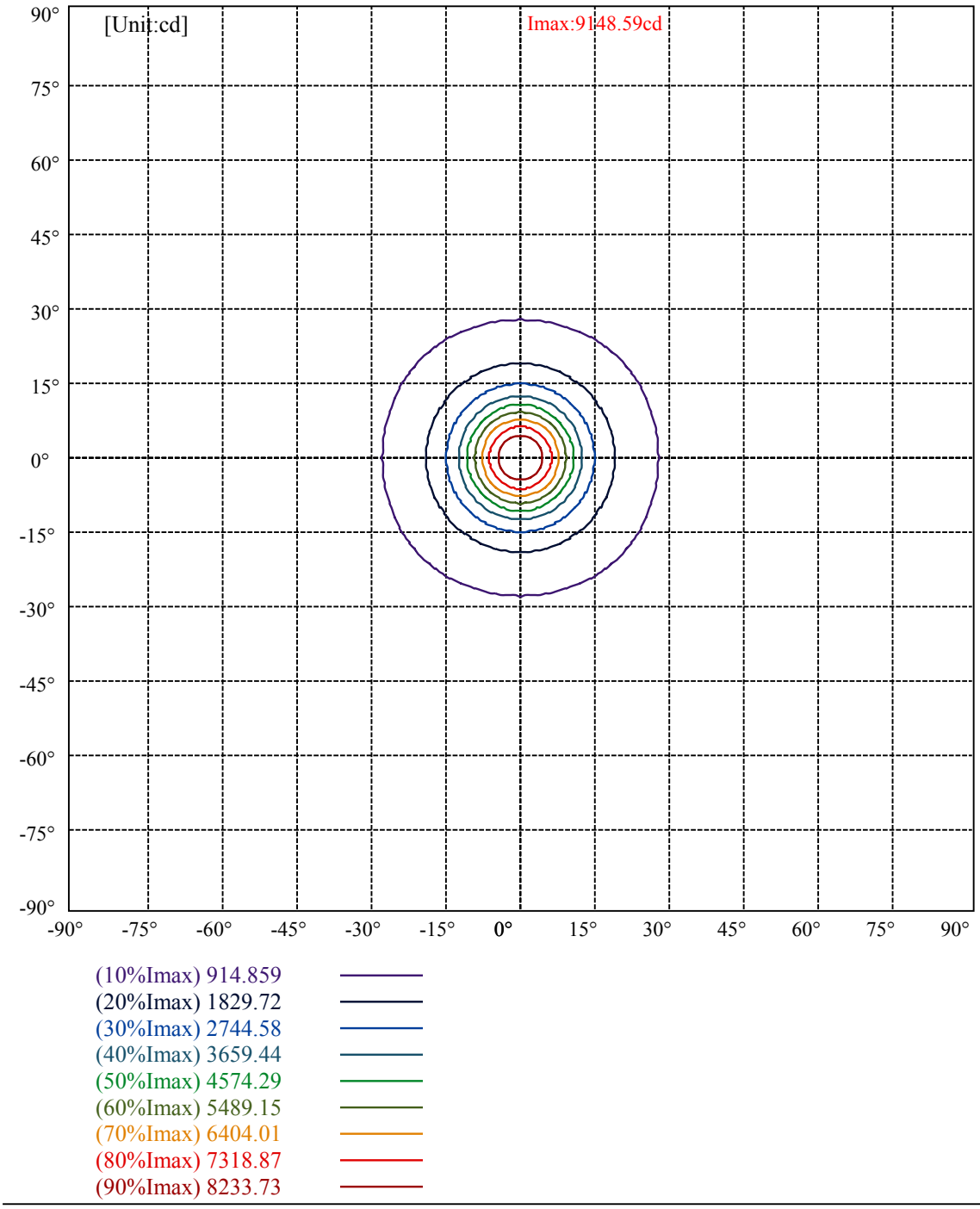
Beam Angle(50%Imax):C0/180Left:10.6 Right:10.6
:C90/270Left:10.6 Right:10.6

Lux distance Curve



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

ISO-Intensity(V-H)

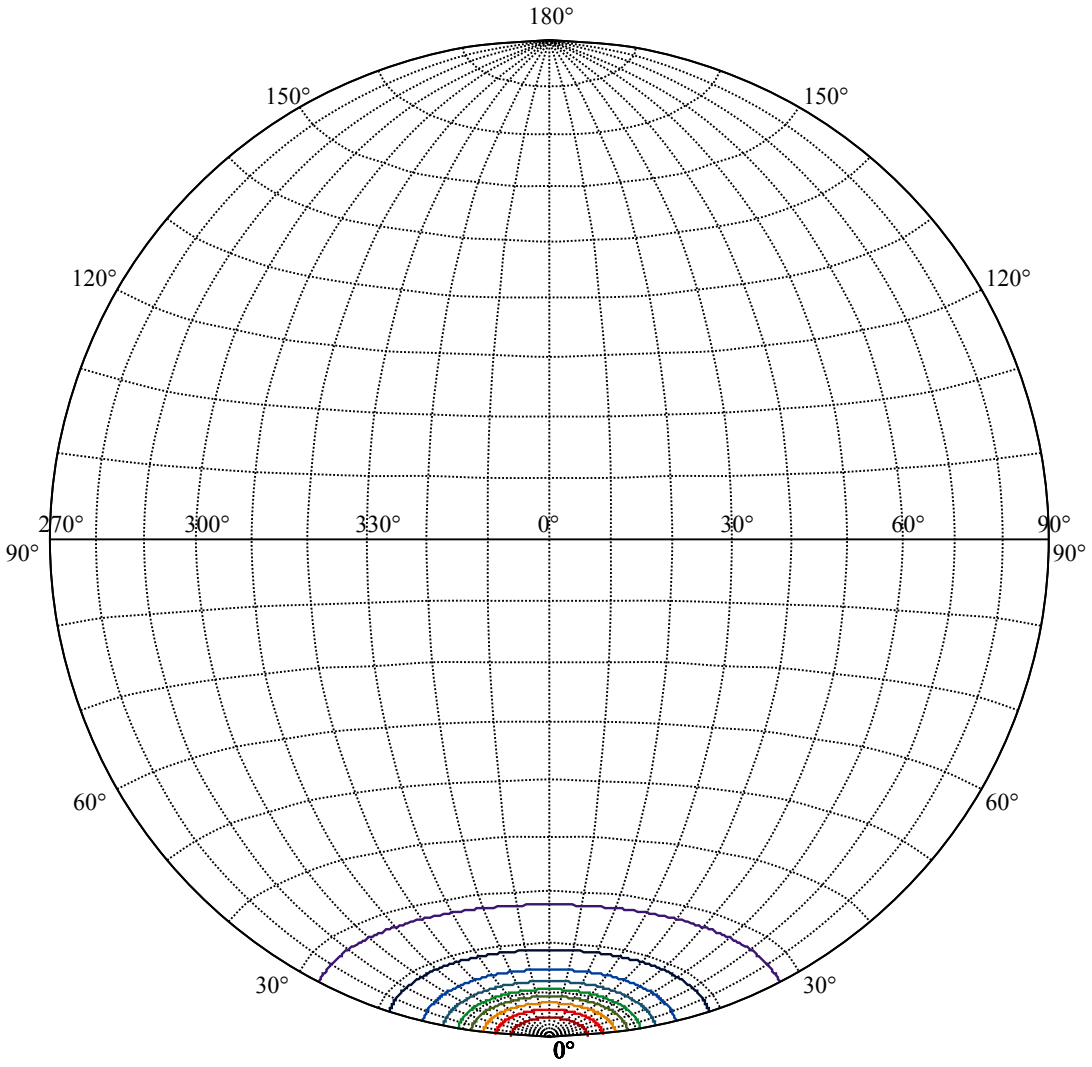


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web

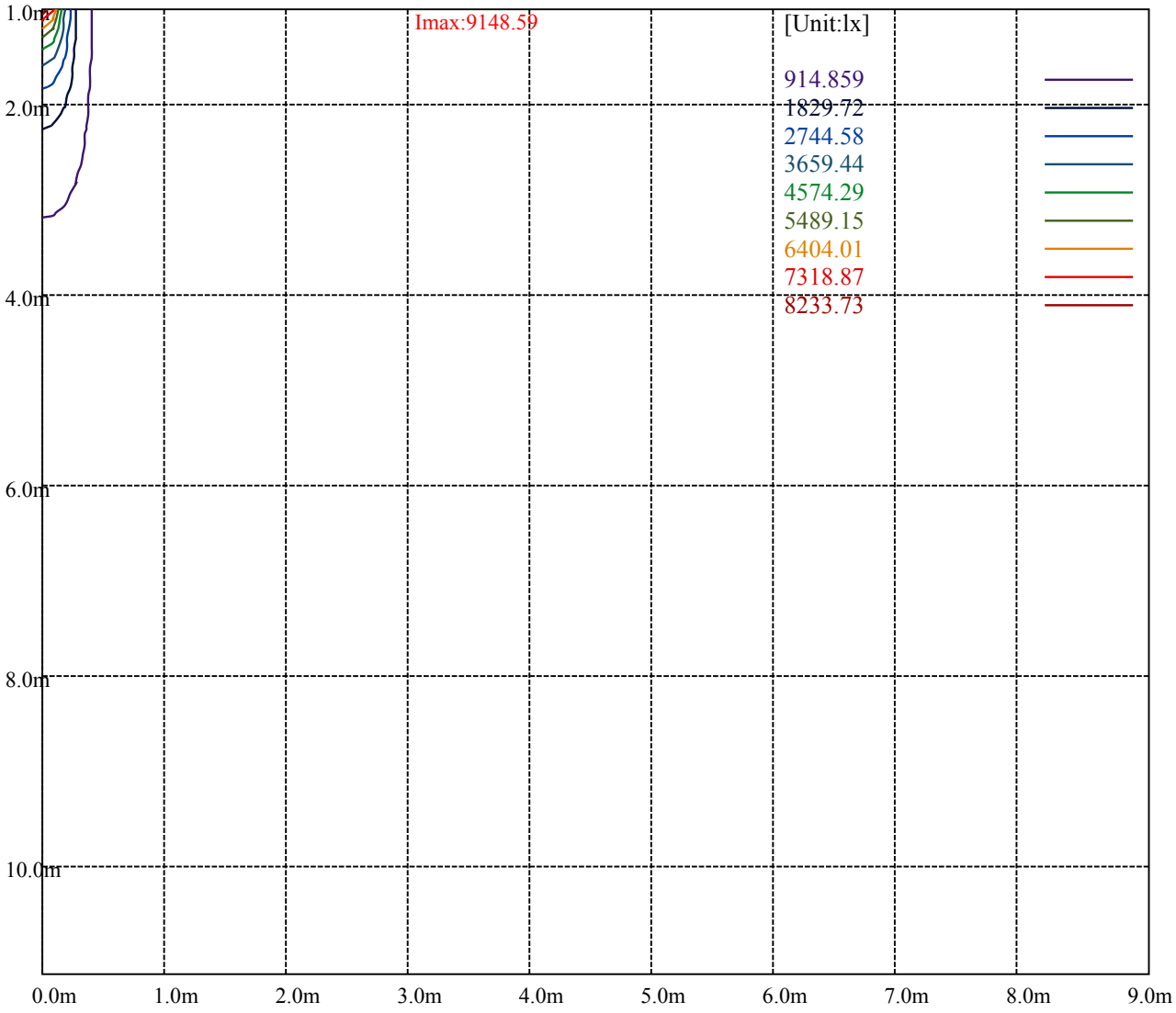


[Unit:cd]

Imax:9148.59

(10%Imax) 914.859
(20%Imax) 1829.72
(30%Imax) 2744.58
(40%Imax) 3659.44
(50%Imax) 4574.29
(60%Imax) 5489.15
(70%Imax) 6404.01
(80%Imax) 7318.87
(90%Imax) 8233.73

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

NT 2-2678-L

Luminance Limitting Curve(no luminous side)

Luminance Table

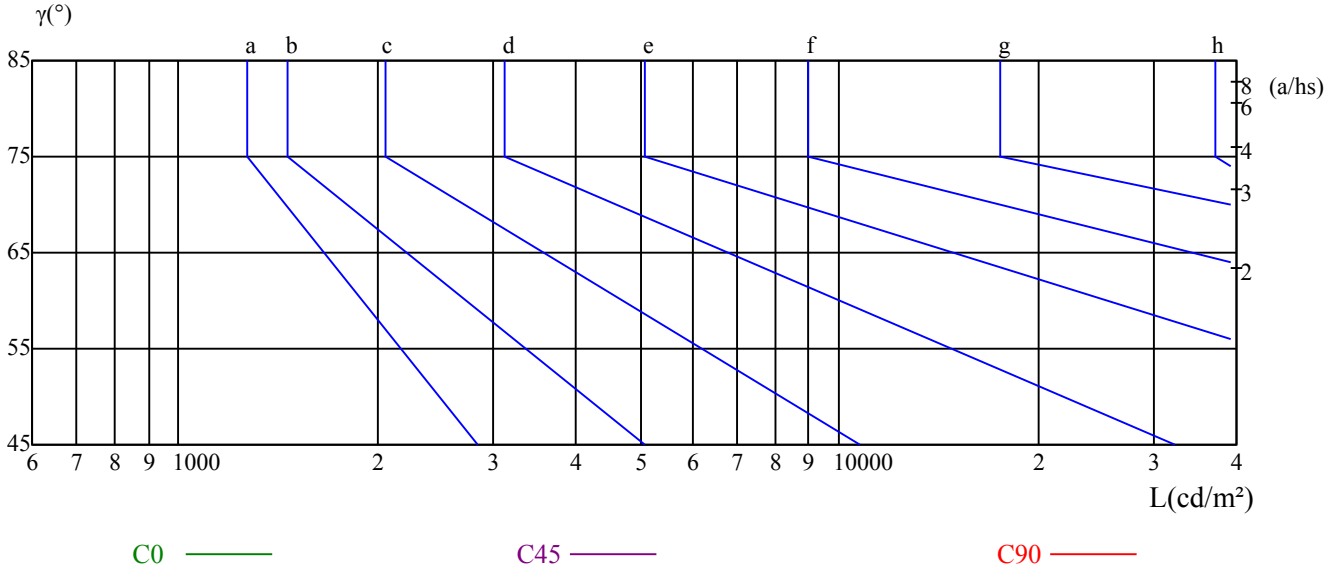
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

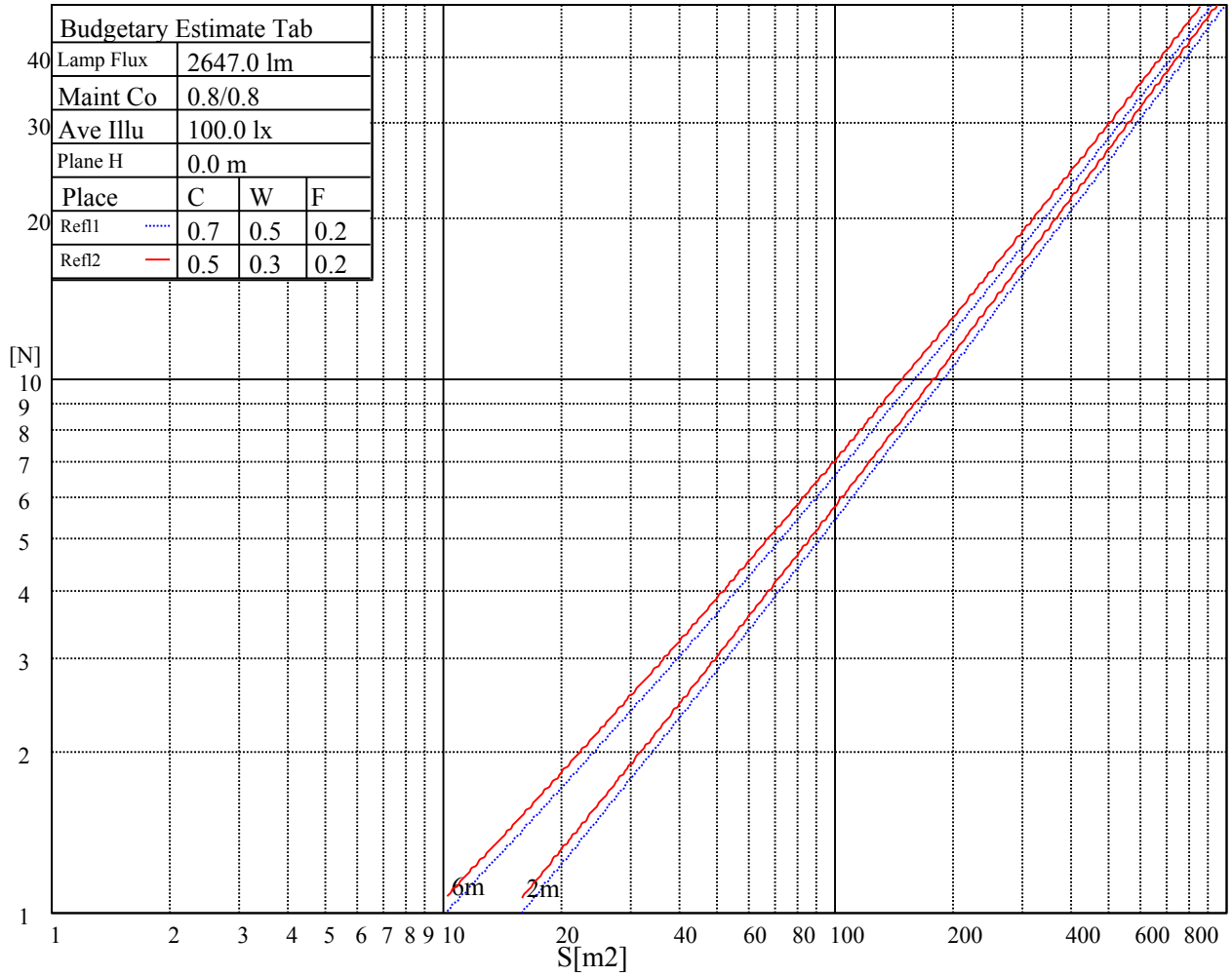
Date: 2024/4/16
Humidity(%): 60.0%

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

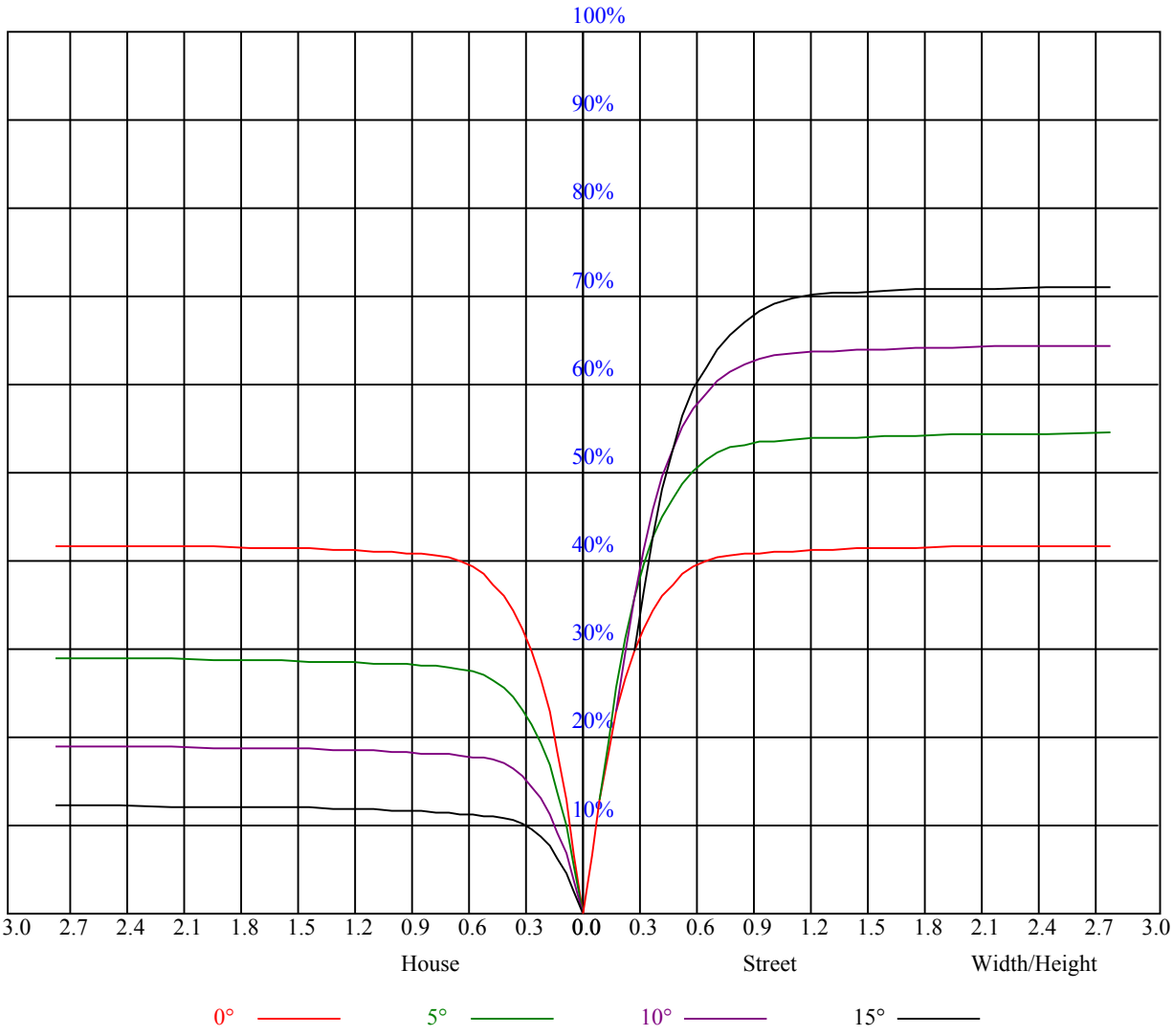


Equipment: GMS1980 Date: 2024/4/16 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

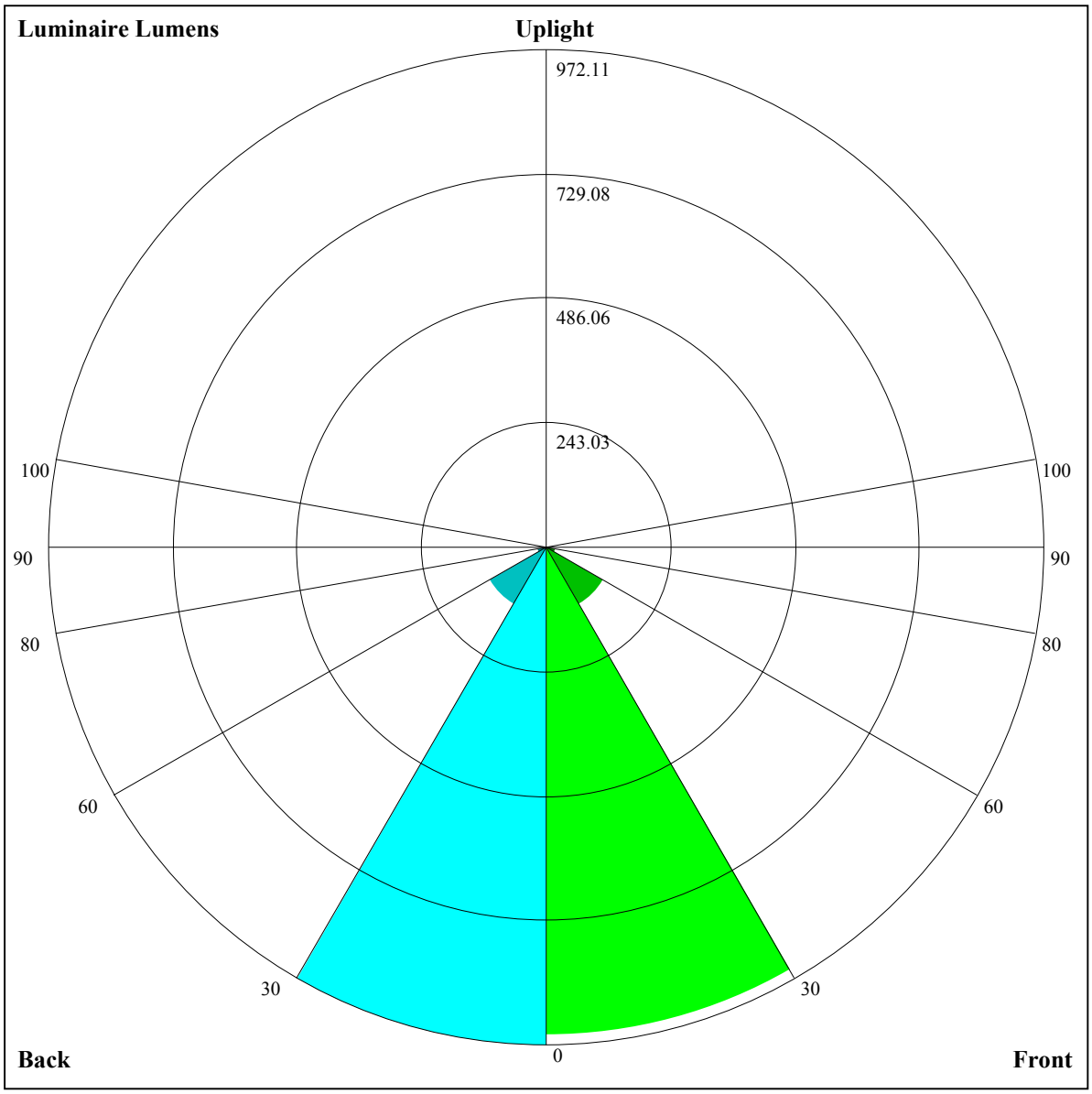
Utilization factor table for indoor luminaire

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	0.90	0.92	0.91	0.89	0.89	0.87	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80
2	0.89	0.86	0.83	0.87	0.85	0.82	0.85	0.82	0.81	0.82	0.80	0.79	0.80	0.78	0.77	0.76
3	0.84	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	0.76	0.73	0.77	0.74	0.72	0.76	0.73	0.71	0.74	0.72	0.70	0.69
5	0.76	0.72	0.69	0.76	0.72	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.72	0.69	0.67	0.66
6	0.73	0.69	0.66	0.73	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.69	0.67	0.65	0.64
7	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.67	0.64	0.62	0.61
8	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.59
9	0.65	0.61	0.59	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.55

Coefficient Utilization Curve



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



Luminaire Lumens:
FL=952.41,FM=127.25,FH=19.28,FVH=5.9
BL=972.11,BM=127.79,BH=18.58,BVH=5.85
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	9149.47	9052.32	8872.65	8523.28	8135.27	7548.29	7004.03	6422.90	5839.43
45.0	9163.51	9171.12	9089.19	8877.34	8624.52	8251.73	7799.35	7124.59	6545.21
90.0	9164.10	9096.21	8909.52	8656.12	8313.18	7852.61	7190.13	6594.96	5980.47
135.0	9117.28	9167.61	9123.13	8958.10	8732.79	8388.09	7956.78	7442.36	6716.10
180.0	9149.47	9178.14	9103.23	8958.68	8720.50	8297.96	7854.95	7297.81	6724.88
225.0	9163.51	9098.55	8891.97	8637.98	8279.24	7695.77	7139.22	6378.43	5755.16
270.0	9164.10	9161.76	9077.48	8859.78	8600.53	8245.88	7664.75	7108.20	6373.74
315.0	9117.28	8989.11	8794.23	8427.88	8028.76	7536.00	6849.53	6254.36	5646.89
360.0	9149.47	9052.32	8872.65	8523.28	8135.27	7548.29	7004.03	6422.90	5839.43

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5104.98	4545.50	4038.70	3591.00	3121.06	2812.06	2545.20	2314.62	2064.73
45.0	5949.46	5217.34	4644.40	4134.67	3570.52	3187.78	2863.56	2525.30	2294.73
90.0	5223.78	4639.72	4097.80	3540.08	3162.61	2844.25	2504.82	2276.58	2076.44
135.0	6102.78	5482.45	4880.25	4189.68	3716.24	3311.26	2874.10	2588.51	2284.78
180.0	5941.85	5309.22	4702.93	4024.65	3564.66	3171.98	2761.74	2491.95	2204.60
225.0	5130.73	4408.56	3902.34	3467.52	3090.63	2703.80	2437.52	2214.55	2018.50
270.0	5766.28	5154.14	4564.81	3916.97	3483.32	3111.11	2792.75	2462.10	2238.54
315.0	5043.53	4350.62	3867.81	3444.11	3077.76	2698.53	2448.05	2176.51	1990.99
360.0	5104.98	4545.50	4038.70	3591.00	3121.06	2812.06	2545.20	2314.62	2064.73

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1893.26	1705.40	1573.73	1455.51	1270.00	1166.35	1166.35	1100.28	1010.92
45.0	2095.75	1921.94	1732.91	1600.06	1478.92	1374.75	1262.97	1186.89	1117.25
90.0	1904.97	1718.86	1586.02	1466.63	1358.95	1164.89	1164.89	1097.88	1029.88
135.0	2079.36	1904.97	1710.09	1573.14	1452.00	1341.39	1227.28	1151.20	1082.72
180.0	2000.94	1824.79	1670.88	1501.75	1388.21	1285.21	1195.09	1108.47	1044.10
225.0	1803.72	1656.25	1524.57	1376.51	1167.70	1167.70	1115.26	1031.93	962.87
270.0	2037.81	1822.45	1672.05	1539.20	1402.26	1303.94	1198.01	1134.22	1069.85
315.0	1824.20	1645.13	1519.89	1411.04	1159.16	1159.16	1142.59	1076.23	1003.95
360.0	1893.26	1705.40	1573.73	1455.51	1270.00	1166.35	1166.35	1100.28	1010.92

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	930.39	843.72	759.62	655.22	573.70	494.52	416.68	328.31	263.99
45.0	1023.62	945.20	837.52	752.07	668.97	586.45	483.45	405.03	333.05
90.0	933.43	849.57	743.47	657.38	571.36	467.59	388.59	314.62	234.03
135.0	1013.67	920.03	840.44	756.75	656.68	575.33	475.85	399.77	327.78
180.0	973.87	903.65	804.74	718.13	619.23	542.56	462.39	368.17	303.79
225.0	869.00	786.37	704.32	623.50	521.96	441.79	367.35	298.93	223.26
270.0	997.87	903.06	820.54	732.76	641.47	541.98	460.05	378.70	306.72
315.0	907.27	822.71	736.33	650.71	543.79	461.27	383.26	295.66	233.80
360.0	930.39	843.72	759.62	655.22	573.70	494.52	416.68	328.31	263.99

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	190.14	141.92	105.05	78.19	69.70	63.32	57.94	54.25	50.91
45.0	299.11	299.11	138.41	102.36	80.59	68.82	62.56	57.06	53.08
90.0	177.15	129.86	95.51	73.33	65.95	60.22	55.77	51.27	48.05
135.0	295.60	295.60	135.01	97.91	75.61	64.67	59.22	54.72	51.38
180.0	303.79	226.54	120.73	87.43	68.18	60.86	54.60	50.91	47.87
225.0	169.13	123.31	84.04	66.89	60.40	54.25	50.56	47.64	44.07
270.0	306.72	167.02	119.39	82.75	68.71	60.45	55.60	51.97	48.69
315.0	166.09	122.31	91.82	71.28	64.61	59.11	55.36	51.21	48.22
360.0	190.14	141.92	105.05	78.19	69.70	63.32	57.94	54.25	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	47.81	44.24	41.84	39.74	37.92	35.99	34.76	33.47	32.66
45.0	49.74	46.00	43.37	40.91	38.33	36.52	35.05	33.83	32.42
90.0	45.12	41.90	39.68	37.16	35.52	34.06	32.89	31.66	30.96
135.0	47.64	44.89	42.37	39.56	37.45	35.76	33.94	32.77	31.60
180.0	44.54	42.02	39.74	37.16	35.29	33.83	32.30	31.25	30.37
225.0	41.43	39.09	36.52	34.70	33.07	31.84	30.55	29.67	29.20
270.0	45.00	42.37	39.85	37.63	35.35	33.71	32.42	31.31	30.14
315.0	45.41	42.90	40.03	38.04	36.34	34.47	33.30	32.25	31.31
360.0	47.81	44.24	41.84	39.74	37.92	35.99	34.76	33.47	32.66

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	32.07	31.25	30.84	30.20	29.61	28.68	27.68	26.45	25.28
45.0	31.66	31.08	30.49	30.02	29.50	28.97	28.09	27.21	25.69
90.0	30.26	29.79	29.26	28.79	28.32	27.51	26.74	25.63	24.29
135.0	30.90	30.26	29.85	29.32	28.97	28.50	28.03	27.39	26.10
180.0	29.85	29.26	28.97	28.73	28.38	28.03	27.45	26.74	25.40
225.0	28.85	28.38	28.27	27.86	27.68	27.04	26.22	25.11	24.05
270.0	29.55	29.03	28.56	28.32	27.92	27.51	26.86	26.10	24.81
315.0	30.78	30.20	29.73	29.20	28.68	27.86	26.92	25.75	24.52
360.0	32.07	31.25	30.84	30.20	29.61	28.68	27.68	26.45	25.28

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	23.41	21.89	20.31	18.84	18.32	18.32	18.84	19.55	20.31
45.0	24.46	23.06	21.59	19.66	18.43	17.44	16.80	16.09	15.63
90.0	22.82	21.59	19.61	18.49	17.32	16.68	15.98	15.57	15.68
135.0	25.16	23.88	22.18	20.48	19.02	17.67	17.03	16.27	15.86
180.0	24.29	22.41	21.01	19.37	17.85	16.80	16.21	15.68	15.51
225.0	22.47	20.78	19.08	17.85	16.74	15.86	15.33	14.92	14.46
270.0	23.70	22.18	20.83	18.90	17.67	16.74	15.98	15.51	15.45
315.0	23.00	21.07	19.61	18.32	17.32	16.68	16.27	16.09	16.39
360.0	23.41	21.89	20.31	18.84	18.32	18.32	18.84	19.55	20.31

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	20.89	20.83	20.42	19.61	18.67	17.91	17.15	16.44	15.57
45.0	15.16	14.86	14.40	14.05	13.69	13.40	13.11	12.82	12.58
90.0	16.33	17.09	17.91	18.61	18.73	18.43	17.56	15.63	13.17
135.0	15.57	15.92	16.50	17.26	17.56	17.91	18.02	17.50	16.56
180.0	15.68	15.57	15.27	14.57	14.10	13.64	13.17	12.82	12.41
225.0	14.10	13.75	13.40	13.17	12.93	12.58	12.29	12.00	11.76
270.0	16.04	16.80	17.91	18.38	18.43	18.20	17.44	15.98	13.81
315.0	17.21	18.08	18.79	18.84	18.79	18.55	17.50	15.98	13.52
360.0	20.89	20.83	20.42	19.61	18.67	17.91	17.15	16.44	15.57

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.93	11.82	11.18	10.83	10.53	10.30	9.83	9.66	9.36
45.0	12.35	12.06	11.82	11.65	11.59	11.41	9.95	9.71	9.48
90.0	12.00	11.70	11.47	11.35	10.36	10.01	9.77	9.54	9.25
135.0	14.10	12.17	11.35	11.06	10.71	10.24	9.89	9.77	9.54
180.0	11.94	11.53	11.06	10.83	10.42	10.07	9.89	9.66	9.42
225.0	11.47	11.12	10.94	10.48	10.12	9.89	9.66	9.48	9.31
270.0	11.82	11.29	11.06	10.83	10.59	10.07	9.83	9.60	9.36
315.0	12.11	11.47	10.83	10.53	10.24	9.89	9.60	9.36	9.25
360.0	13.93	11.82	11.18	10.83	10.53	10.30	9.83	9.66	9.36

Intensity data(cd)

C/γ(°)	90.0
0.0	9.36
45.0	9.25
90.0	9.25
135.0	9.31
180.0	9.31
225.0	9.25
270.0	9.25
315.0	9.25
360.0	9.36