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

NT

Client:
LumCAT: 2-2682-L
Luminaire: 92.70.411.00
Report No: 2024416-B011
Ballast type: AC

Test No: 2024416-C011	Voltage(V): 33.770
LampCAT: NICHIA NFCWJ108B-V3	Current(A): 0.577
Lamp flux(lm): 2647.0	Power (W): 19.485
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2274.65, Efficiency(%): 85.93% , Luminous Efficacy(lm/W): 116.74
Central intensity(cd): 9297.528, Maximum intensity(cd): 9297.528
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=20.0
[C90/270]Total=20.0
Field angle(10%Imax): [C0/180]Total=55.0
[C90/270]Total=55.0
Maximum s/h(1/2): C0_180=0.34 C90_270=0.34
Maximum s/h(1/4): C0_180=0.40 C90_270=0.40
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.93%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.017%

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

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9297.528	0.000	0	0.00%	0.00%
1.0	9225.765	8.863	8.863	0.33%	0.39%
2.0	9013.475	26.179	35.042	0.99%	1.54%
3.0	8683.920	42.326	77.368	1.60%	3.40%
4.0	8221.080	56.586	133.955	2.14%	5.89%
5.0	7625.467	68.171	202.126	2.58%	8.89%
6.0	6994.668	76.833	278.958	2.90%	12.26%
7.0	6353.261	82.850	361.809	3.13%	15.91%
8.0	5739.360	86.545	448.353	3.27%	19.71%
9.0	5160.573	88.338	536.691	3.34%	23.59%
10.0	4632.700	88.626	625.317	3.35%	27.49%
11.0	4200.145	88.258	713.575	3.33%	31.37%
12.0	3764.153	87.061	800.636	3.29%	35.20%
13.0	3394.290	84.953	885.589	3.21%	38.93%
14.0	3064.589	82.673	968.262	3.12%	42.57%
15.0	2761.955	79.989	1048.251	3.02%	46.08%
16.0	2508.772	77.231	1125.482	2.92%	49.48%
17.0	2267.952	74.386	1199.869	2.81%	52.75%
18.0	2064.879	71.439	1271.308	2.70%	55.89%
19.0	1889.604	68.800	1340.108	2.60%	58.92%
20.0	1738.543	66.405	1406.513	2.51%	61.83%
21.0	1605.696	64.216	1470.729	2.43%	64.66%
22.0	1484.116	62.091	1532.82	2.35%	67.39%
23.0	1339.412	59.245	1592.065	2.24%	69.99%
24.0	1234.715	56.280	1648.345	2.13%	72.47%
25.0	1169.543	54.668	1703.012	2.07%	74.87%
26.0	1076.792	53.025	1756.037	2.00%	77.20%
27.0	978.028	50.272	1806.309	1.90%	79.41%
28.0	885.475	47.180	1853.489	1.78%	81.48%
29.0	784.267	43.685	1897.174	1.65%	83.41%
30.0	685.664	39.688	1936.862	1.50%	85.15%
31.0	589.987	35.500	1972.362	1.34%	86.71%
32.0	498.363	31.180	2003.542	1.18%	88.08%
33.0	415.598	26.926	2030.467	1.02%	89.27%
34.0	347.565	23.096	2053.563	0.87%	90.28%
35.0	297.141	20.022	2073.585	0.76%	91.16%
36.0	268.640	18.015	2091.599	0.68%	91.95%
37.0	227.367	16.177	2107.776	0.61%	92.66%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	182.137	13.669	2121.445	0.52%	93.26%
39.0	153.987	11.473	2132.918	0.43%	93.77%
40.0	132.773	10.001	2142.919	0.38%	94.21%
41.0	112.868	8.747	2151.666	0.33%	94.59%
42.0	97.001	7.625	2159.291	0.29%	94.93%
43.0	82.897	6.664	2165.955	0.25%	95.22%
44.0	72.049	5.848	2171.803	0.22%	95.48%
45.0	62.956	5.188	2176.992	0.20%	95.71%
46.0	56.087	4.655	2181.647	0.18%	95.91%
47.0	50.505	4.239	2185.886	0.16%	96.10%
48.0	46.182	3.909	2189.795	0.15%	96.27%
49.0	43.336	3.676	2193.471	0.14%	96.43%
50.0	40.885	3.511	2196.983	0.13%	96.59%
51.0	39.400	3.397	2200.379	0.13%	96.74%
52.0	38.647	3.349	2203.728	0.13%	96.88%
53.0	37.835	3.327	2207.055	0.13%	97.03%
54.0	37.147	3.305	2210.36	0.12%	97.17%
55.0	36.920	3.306	2213.667	0.12%	97.32%
56.0	36.423	3.314	2216.981	0.13%	97.46%
57.0	35.421	3.285	2220.266	0.12%	97.61%
58.0	34.214	3.220	2223.486	0.12%	97.75%
59.0	32.385	3.114	2226.599	0.12%	97.89%
60.0	29.949	2.945	2229.544	0.11%	98.02%
61.0	27.659	2.749	2232.293	0.10%	98.14%
62.0	25.267	2.550	2234.844	0.10%	98.25%
63.0	22.751	2.335	2237.179	0.09%	98.35%
64.0	20.424	2.119	2239.297	0.08%	98.45%
65.0	18.910	1.947	2241.244	0.07%	98.53%
66.0	17.579	1.821	2243.065	0.07%	98.61%
67.0	16.650	1.721	2244.786	0.07%	98.69%
68.0	15.933	1.651	2246.436	0.06%	98.76%
69.0	15.333	1.595	2248.031	0.06%	98.83%
70.0	14.806	1.548	2249.579	0.06%	98.90%
71.0	14.360	1.507	2251.087	0.06%	98.96%
72.0	13.965	1.473	2252.559	0.06%	99.03%
73.0	13.621	1.443	2254.002	0.05%	99.09%
74.0	13.292	1.415	2255.417	0.05%	99.15%
75.0	13.007	1.390	2256.806	0.05%	99.22%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.758	1.368	2258.174	0.05%	99.28%
77.0	12.495	1.346	2259.52	0.05%	99.34%
78.0	12.195	1.322	2260.842	0.05%	99.39%
79.0	11.887	1.294	2262.136	0.05%	99.45%
80.0	11.573	1.265	2263.401	0.05%	99.51%
81.0	11.295	1.237	2264.637	0.05%	99.56%
82.0	10.988	1.208	2265.846	0.05%	99.61%
83.0	10.688	1.178	2267.024	0.04%	99.66%
84.0	10.432	1.151	2268.175	0.04%	99.72%
85.0	10.212	1.127	2269.301	0.04%	99.77%
86.0	10.015	1.106	2270.407	0.04%	99.81%
87.0	9.832	1.086	2271.493	0.04%	99.86%
88.0	9.642	1.067	2272.56	0.04%	99.91%
89.0	9.481	1.048	2273.608	0.04%	99.95%
90.0	9.437	1.037	2274.645	0.04%	100.00%

Zonal flux distribution table

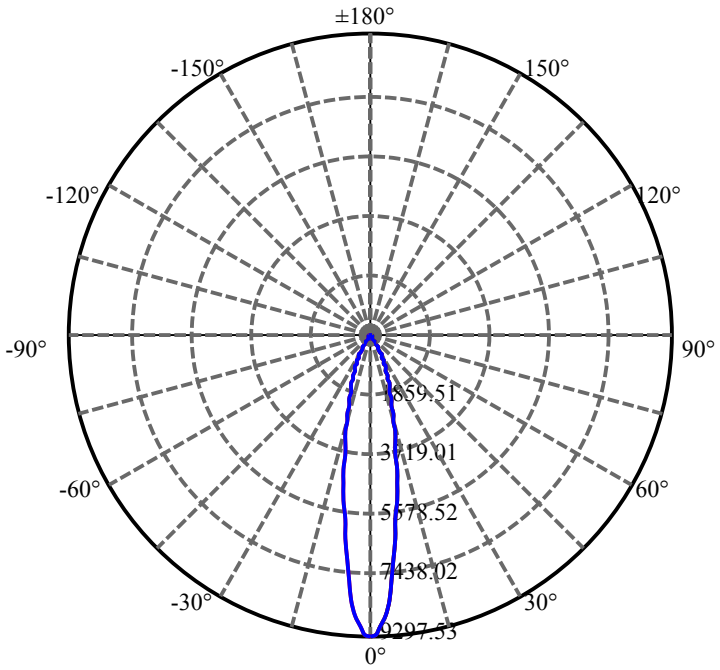
ZONAL LUMEN SUMMARY

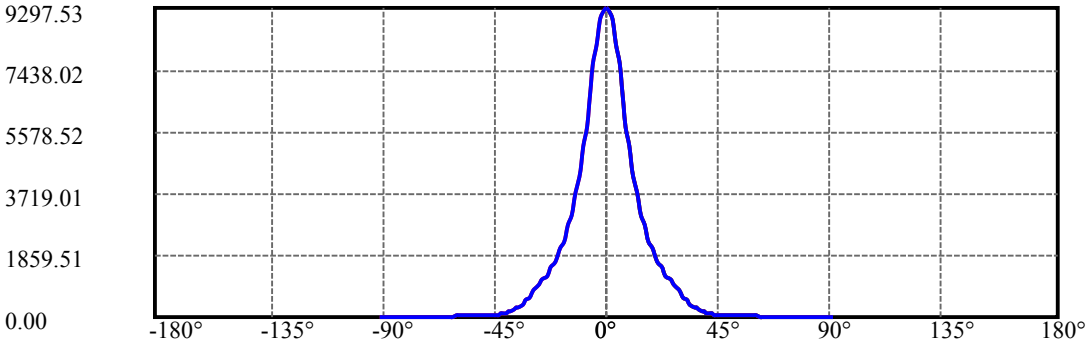
Zone	Lumens	%Lamp	%Fixt
0-30	1936.86	73.17%	85.15%
0-40	2142.92	80.96%	94.21%
0-60	2229.54	84.23%	98.02%
0-90	2273.61	85.89%	99.95%
0-120	2273.61	85.89%	99.95%
0-180	2274.65	85.93%	100.00%
60-90	44.06	1.66%	1.94%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.28	1819.72	68.75%	80.00%

ZONAL LUMEN SUMMARY

0-10	625.32
10-20	781.20
20-30	530.35
30-40	206.06
40-50	54.06
50-60	32.56
60-70	20.04
70-80	13.82
80-90	10.21
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):

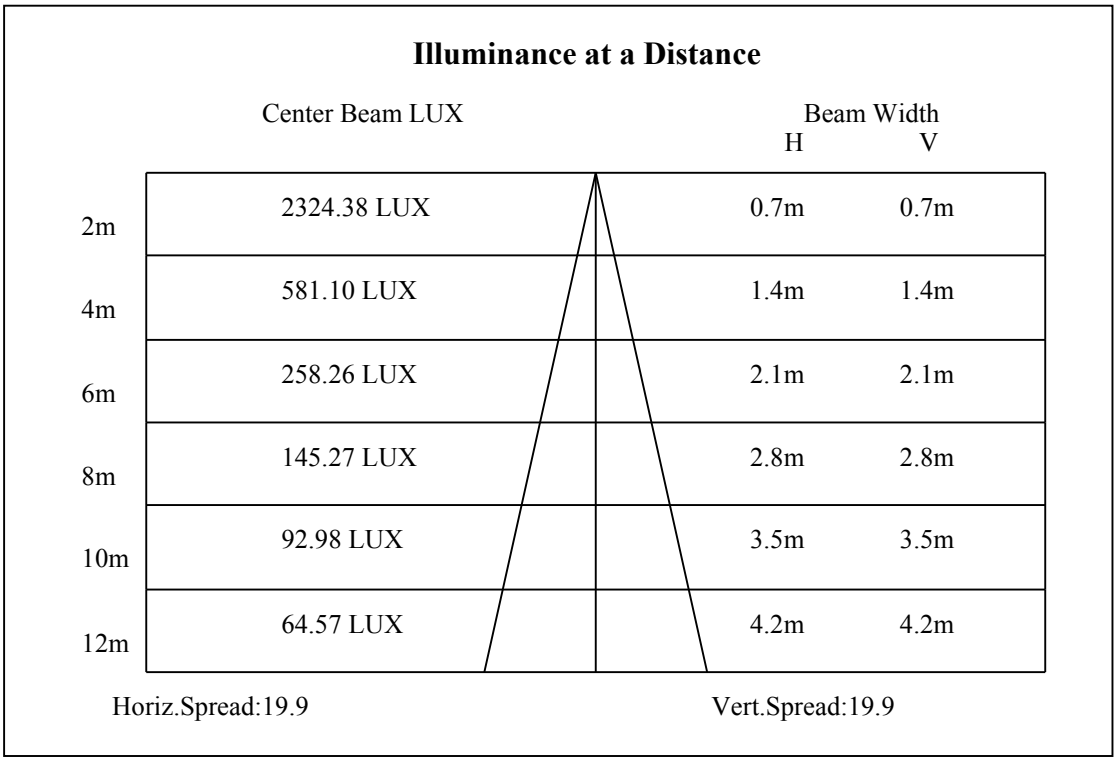
C0/C180:

C90/C270:

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

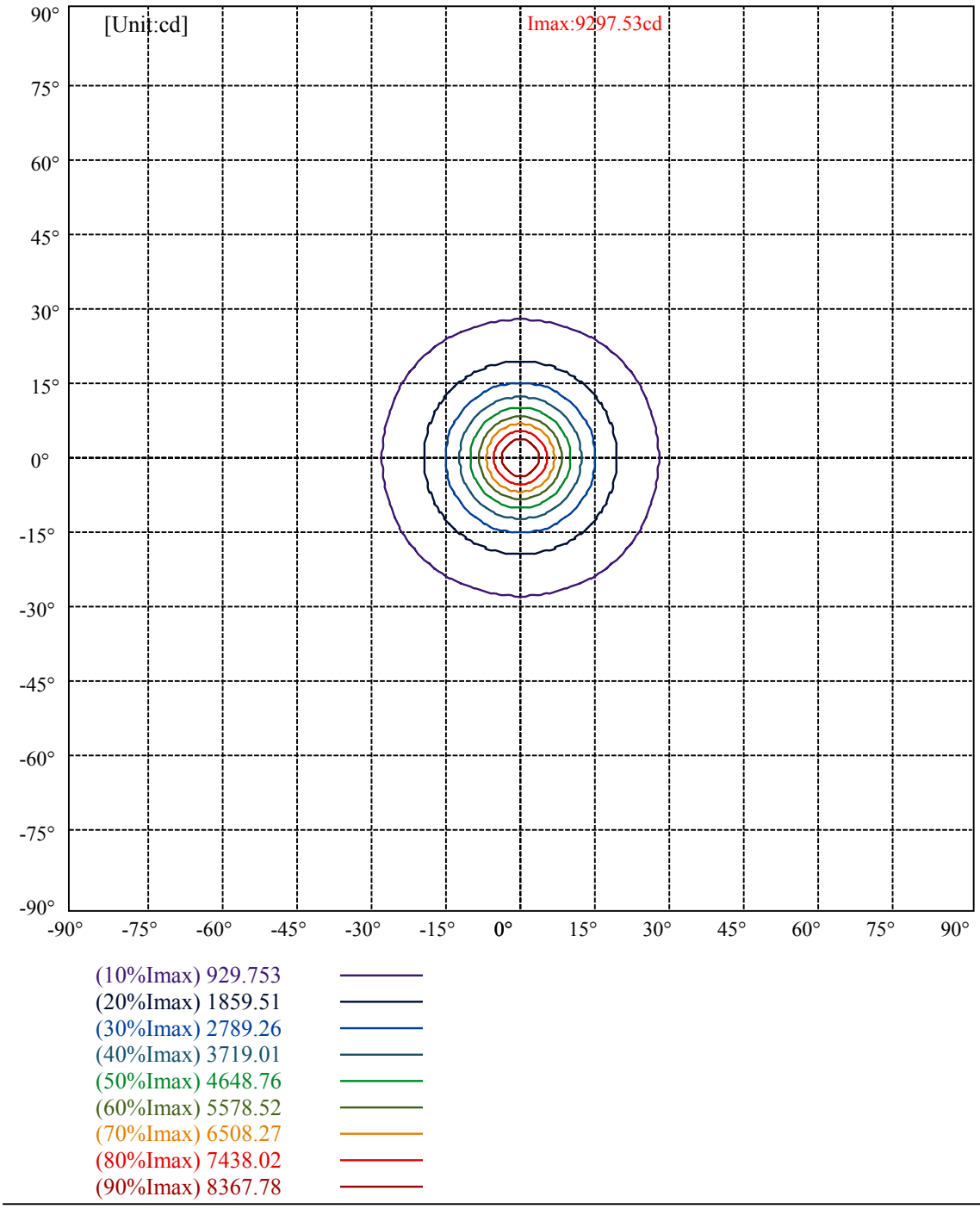
Beam Angle(50%Imax):C0/180Left:10.0 Right:10.0
:C90/270Left:10.0 Right:10.0

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)

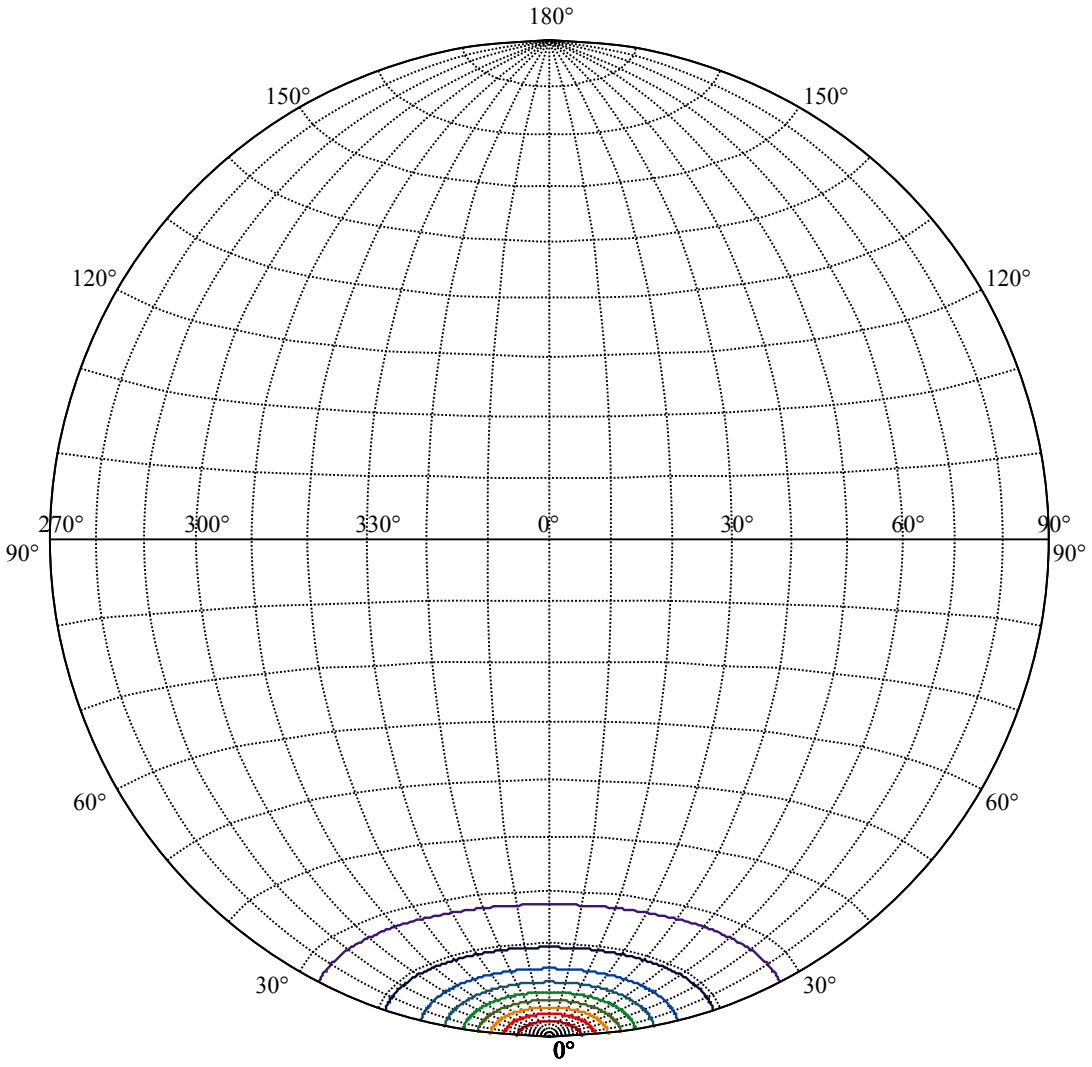


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



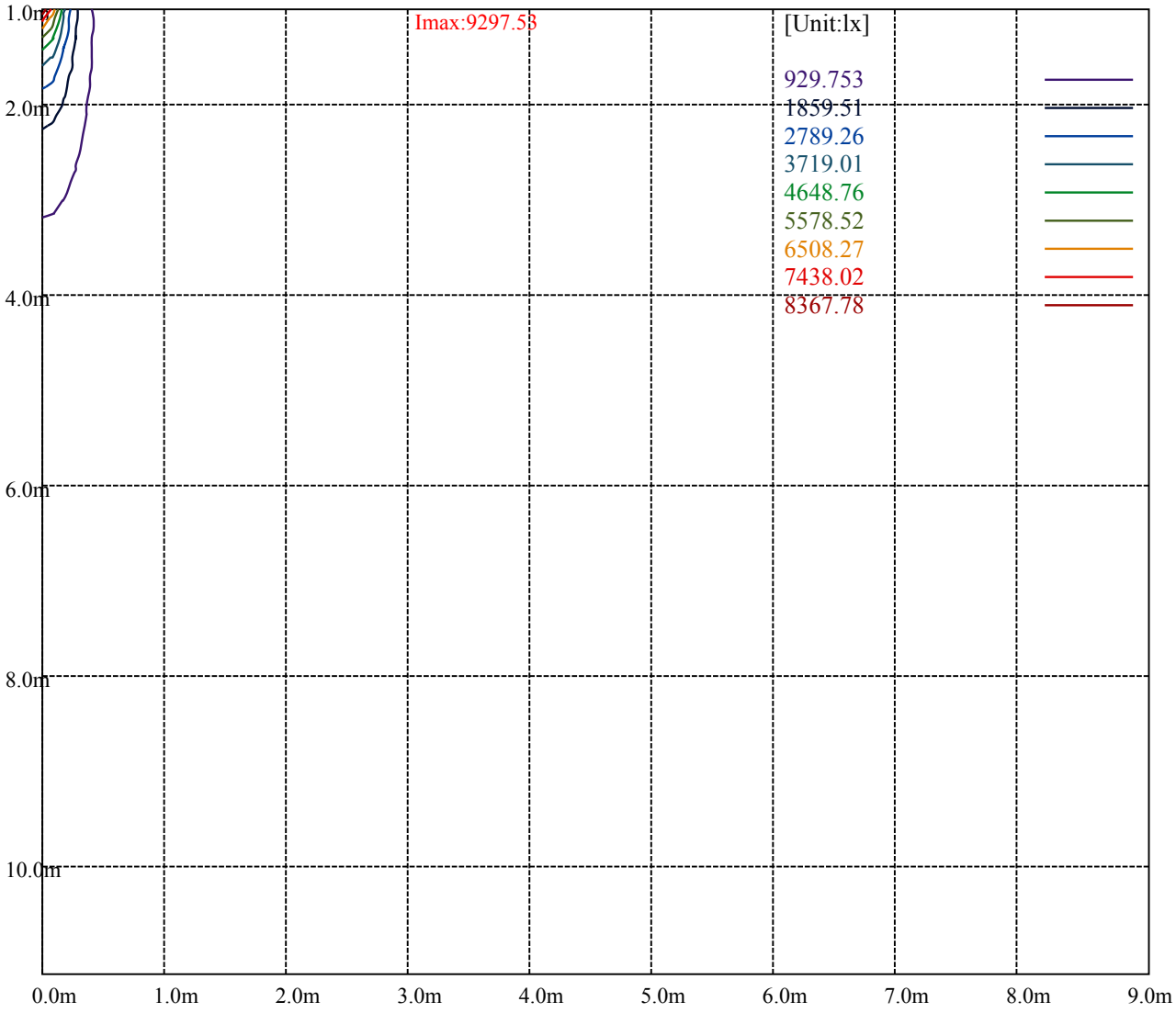
House [Unit:cd] Road

Imax:9297.53

(10%Imax) 929.753
(20%Imax) 1859.51
(30%Imax) 2789.26
(40%Imax) 3719.01
(50%Imax) 4648.76
(60%Imax) 5578.52
(70%Imax) 6508.27
(80%Imax) 7438.02
(90%Imax) 8367.78

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

NT 2-2682-L

Luminance Limitting Curve(no luminous side)

Luminance Table

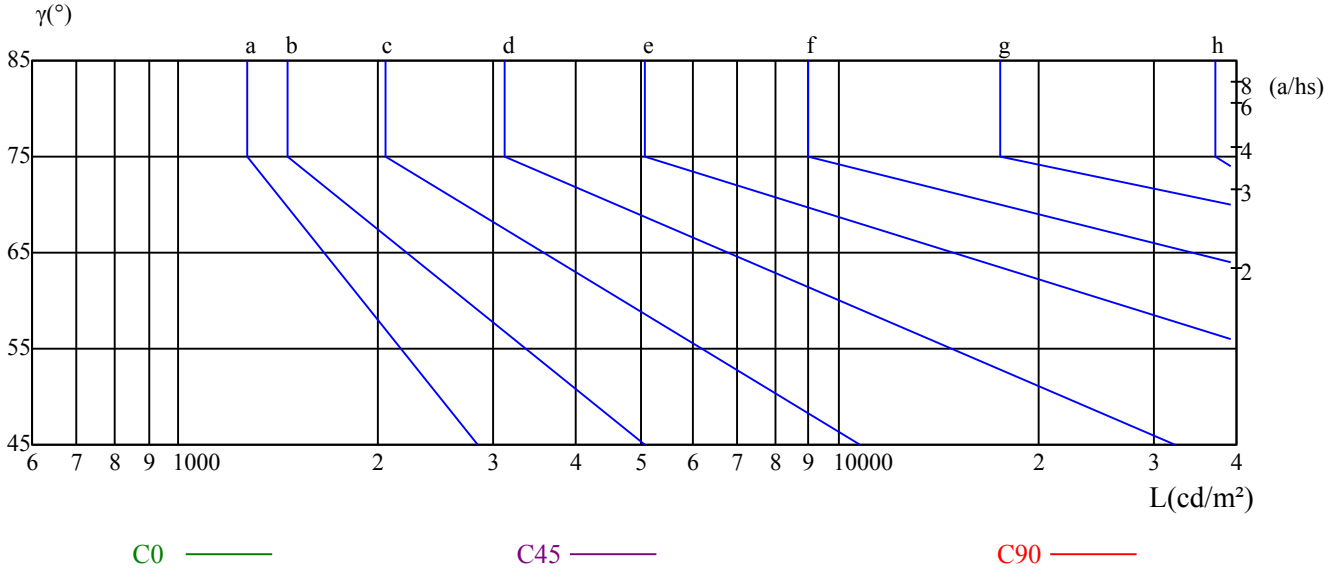
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

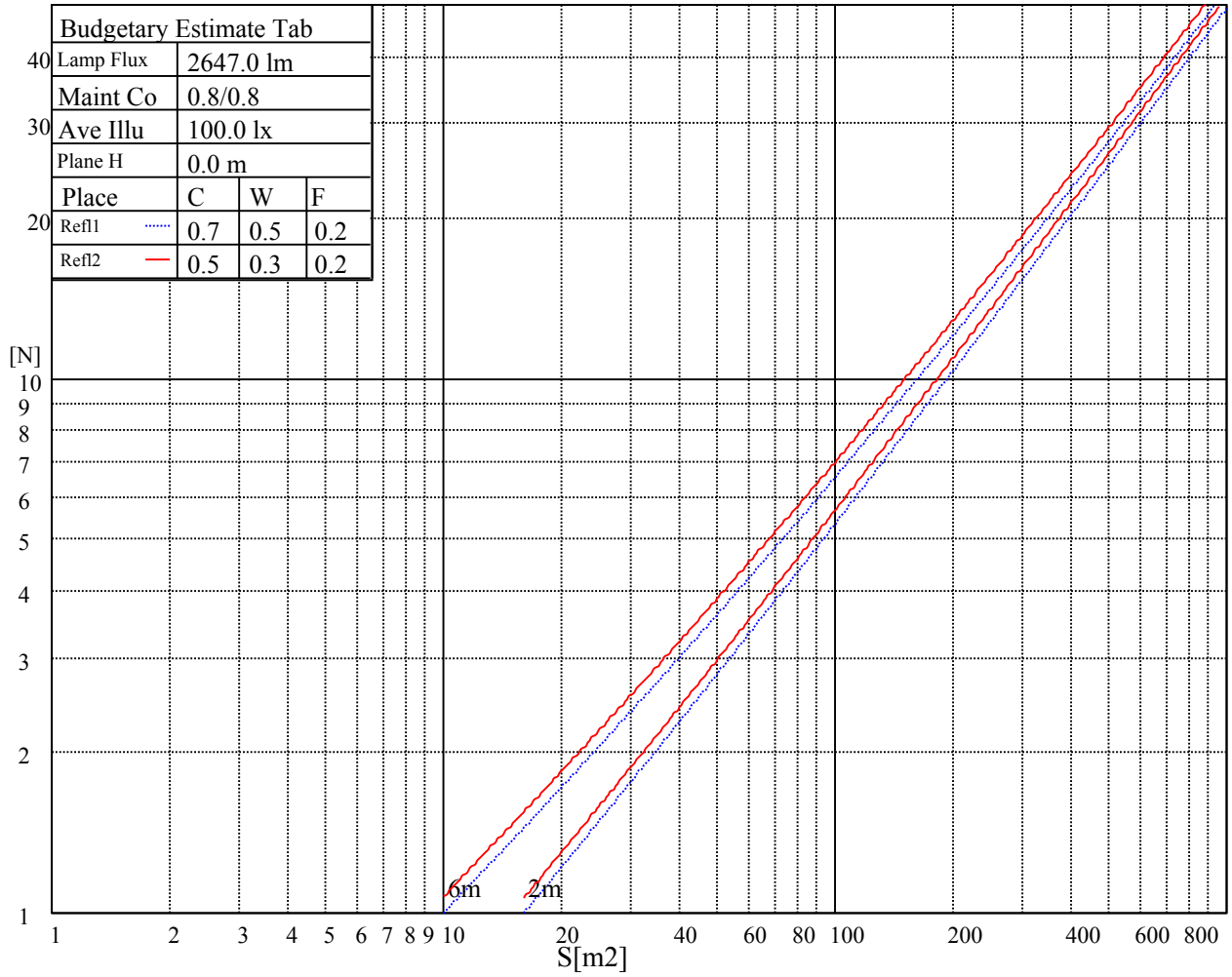
Date: 2024/4/16
Humidity(%): 60.0%

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

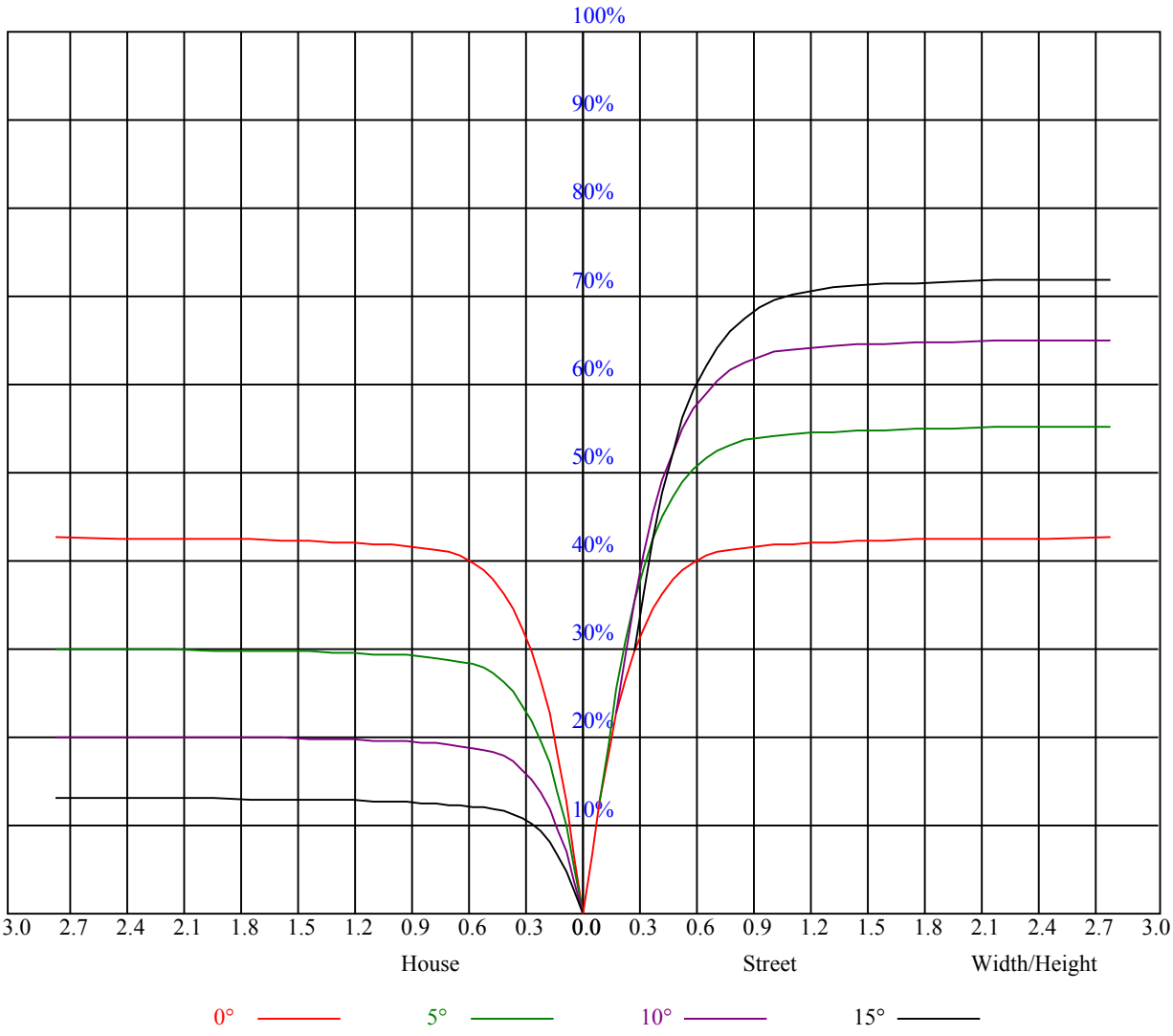


Equipment: GMS1980 Date: 2024/4/16 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

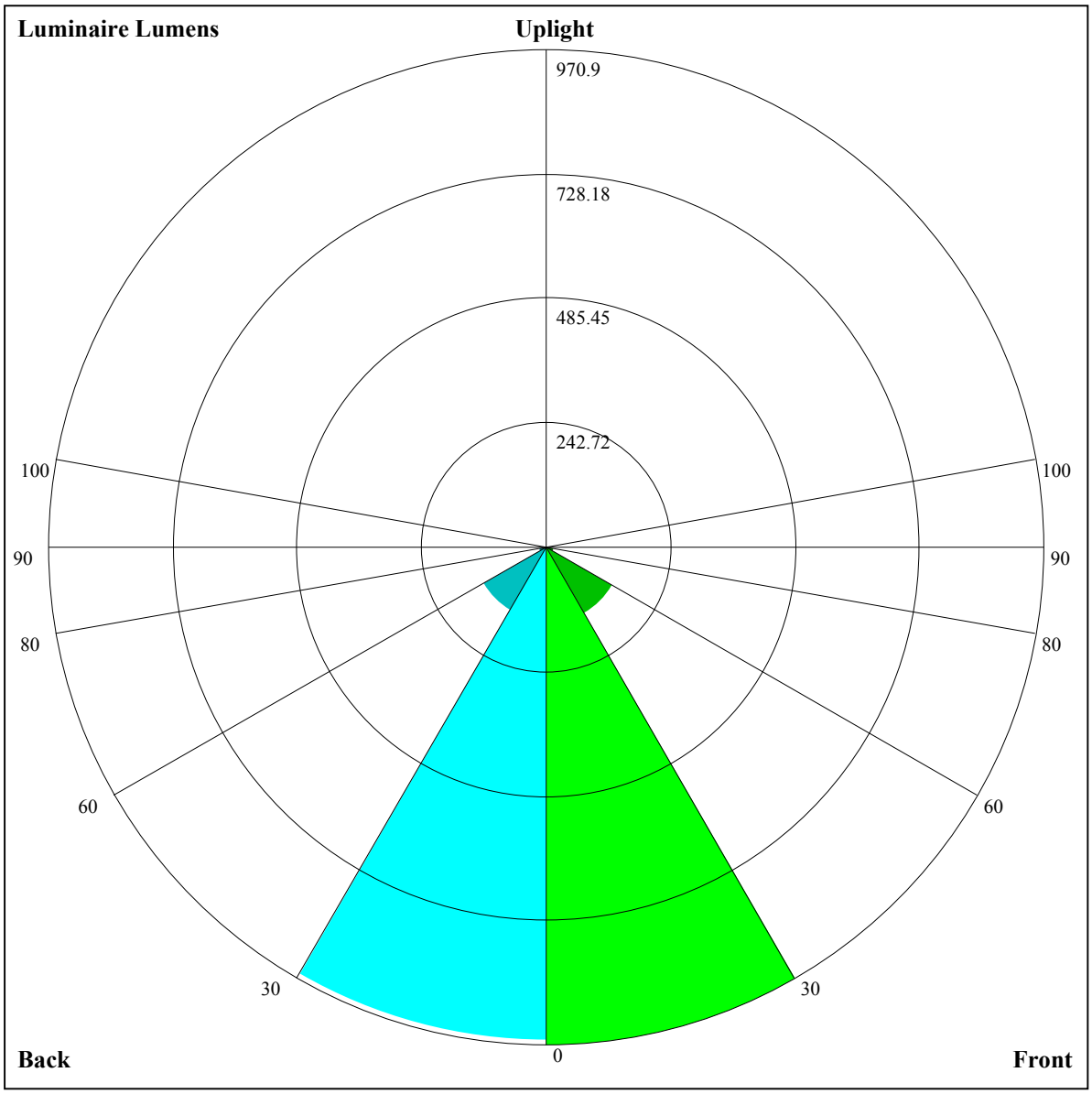
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.02	1.02	1.02	1.00	1.00	1.00	0.95	0.95	0.95	0.91	0.91	0.91	0.88	0.88	0.88	0.86
1	0.96	0.94	0.92	0.94	0.92	0.91	0.91	0.89	0.88	0.87	0.86	0.85	0.84	0.84	0.83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

LCS Graph



Luminaire Lumens:

FL=970.9,FM=150.43,FH=16.95,FVH=5.63

BL=963.74,BM=143.74,BH=16.99,BVH=5.62

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	9312.74	9152.39	8891.97	8522.69	8072.07	7387.94	6809.74	6237.97	5700.15
45.0	9286.41	9316.84	9203.31	8956.34	8467.09	7970.82	7382.67	6773.45	6048.36
90.0	9306.89	9196.87	8858.61	8464.75	7933.95	7178.43	6555.16	5827.73	5280.54
135.0	9284.07	9315.08	9209.74	8905.43	8500.45	8000.67	7238.71	6609.59	5848.80
180.0	9312.74	9298.70	9163.51	8841.05	8432.57	7780.04	7177.84	6527.66	5921.37
225.0	9286.41	9137.18	8794.23	8404.47	7900.60	7338.78	6561.60	5940.09	5363.06
270.0	9306.89	9299.28	9182.24	8952.25	8499.28	8043.39	7513.18	6783.40	6179.45
315.0	9284.07	9089.77	8804.18	8424.37	7962.63	7303.67	6718.44	6126.19	5573.16
360.0	9312.74	9152.39	8891.97	8522.69	8072.07	7387.94	6809.74	6237.97	5700.15

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5068.11	4604.02	4176.22	3690.49	3361.01	3047.33	2706.72	2466.78	2205.77
45.0	5526.92	5027.14	4572.42	4060.93	3678.78	3341.11	2958.96	2682.73	2441.03
90.0	4790.71	4237.09	3841.48	3484.49	3159.69	2812.65	2566.27	2341.54	2152.52
135.0	5298.69	4797.15	4358.23	3863.13	3502.04	3169.64	2881.71	2568.03	2342.71
180.0	5226.12	4720.48	4271.62	3880.10	3435.91	3115.80	2835.47	2583.24	2312.28
225.0	4841.04	4275.71	3887.71	3530.72	3208.85	2848.93	2594.36	2368.46	2126.18
270.0	5612.37	4942.28	4457.13	4035.77	3565.83	3230.50	2932.62	2673.95	2381.34
315.0	4920.63	4457.72	4036.36	3567.59	3242.21	2950.76	2619.53	2385.44	2181.78
360.0	5068.11	4604.02	4176.22	3690.49	3361.01	3047.33	2706.72	2466.78	2205.77

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2027.86	1871.02	1734.08	1580.17	1471.31	1368.31	1157.05	1157.05	1069.56
45.0	2184.70	2007.38	1820.69	1688.43	1574.31	1465.46	1343.15	1253.03	1162.32
90.0	1945.35	1801.97	1673.80	1531.01	1424.50	1158.45	1158.45	1111.69	1021.45
135.0	2151.93	1948.27	1801.97	1672.05	1521.06	1412.79	1312.72	1192.75	1096.18
180.0	2117.99	1907.89	1751.64	1620.55	1476.58	1359.54	1270.58	1172.85	1063.41
225.0	1954.12	1772.12	1638.10	1516.38	1403.43	1161.44	1161.44	1091.80	999.15
270.0	2177.10	1994.51	1802.55	1670.29	1562.61	1445.56	1328.52	1231.37	1143.00
315.0	1959.98	1813.67	1685.51	1566.71	1439.13	1343.74	1145.81	1145.81	1059.26
360.0	2027.86	1871.02	1734.08	1580.17	1471.31	1368.31	1157.05	1157.05	1069.56

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	979.49	891.47	782.74	695.54	585.81	501.54	424.58	344.87	296.42
45.0	1073.95	960.41	870.29	781.92	692.38	581.77	498.08	405.03	345.34
90.0	908.50	816.33	725.33	608.58	519.15	440.79	376.71	324.74	272.83
135.0	1000.79	908.33	793.04	701.16	608.69	522.08	424.93	363.48	314.91
180.0	972.12	885.50	800.06	678.33	589.97	499.26	420.25	341.83	304.96
225.0	887.32	795.67	703.26	610.68	499.84	421.07	341.13	292.26	251.59
270.0	1029.47	943.44	830.49	733.93	640.29	546.66	440.73	372.26	316.08
315.0	972.59	882.64	768.93	675.17	583.76	473.74	398.36	336.04	275.00
360.0	979.49	891.47	782.74	695.54	585.81	501.54	424.58	344.87	296.42

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	255.33	221.27	183.29	157.95	136.88	118.98	100.89	88.43	78.13
45.0	298.52	298.52	214.25	185.52	161.23	134.89	117.81	102.59	89.01
90.0	238.13	207.58	173.46	149.52	128.63	106.57	91.88	79.12	66.60
135.0	303.79	256.27	198.68	165.85	143.38	122.90	102.06	87.96	75.90
180.0	304.96	205.30	176.39	146.60	126.35	109.03	94.22	78.77	68.12
225.0	210.27	181.36	156.55	130.45	113.30	98.73	85.91	71.98	62.68
270.0	303.79	249.72	186.34	159.30	136.24	112.48	97.26	81.87	72.16
315.0	234.32	198.92	168.14	136.71	116.17	99.37	85.97	72.45	63.79
360.0	255.33	221.27	183.29	157.95	136.88	118.98	100.89	88.43	78.13

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	67.53	60.22	53.20	49.45	46.29	43.72	42.02	41.26	40.03
45.0	75.20	66.42	59.40	52.26	48.63	44.77	42.37	41.26	40.26
90.0	59.17	53.31	48.34	44.48	42.25	40.09	39.21	38.39	37.57
135.0	66.07	57.06	51.62	47.05	43.95	41.32	39.21	38.39	37.86
180.0	59.58	53.43	47.58	43.83	41.32	39.09	37.69	37.04	36.40
225.0	55.54	49.98	45.12	42.08	40.15	38.16	37.51	37.10	36.34
270.0	64.37	56.71	51.32	46.70	42.84	40.73	39.21	38.10	37.51
315.0	56.18	51.56	47.46	43.60	41.26	39.21	37.98	37.63	36.69
360.0	67.53	60.22	53.20	49.45	46.29	43.72	42.02	41.26	40.03

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	39.33	38.86	37.92	36.58	35.23	32.36	29.96	27.27	24.99
45.0	38.68	38.22	37.92	36.99	35.35	33.94	31.66	29.14	26.28
90.0	37.22	36.99	35.99	34.88	33.59	31.37	28.38	26.45	24.05
135.0	36.93	36.81	36.64	36.05	34.76	33.77	31.60	29.14	26.63
180.0	35.99	36.05	35.87	35.11	34.18	32.54	30.31	28.03	26.16
225.0	36.28	36.23	35.41	34.24	33.24	31.37	28.32	26.45	24.23
270.0	36.69	36.34	36.34	35.46	34.29	32.89	30.90	28.50	25.98
315.0	36.05	35.87	35.29	34.06	33.07	30.84	28.44	26.28	23.82
360.0	39.33	38.86	37.92	36.58	35.23	32.36	29.96	27.27	24.99

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	22.59	20.25	18.84	17.73	16.74	16.09	15.57	15.04	14.51
45.0	24.05	21.19	19.49	18.32	17.15	16.44	15.80	15.16	14.75
90.0	21.59	19.49	18.26	17.21	16.44	15.63	15.16	14.69	14.16
135.0	24.29	21.77	20.01	18.32	17.26	16.44	15.68	15.10	14.63
180.0	23.17	20.83	19.25	17.67	16.74	16.04	15.27	14.75	14.28
225.0	21.13	19.43	18.14	16.80	16.09	15.51	14.92	14.46	14.10
270.0	23.82	21.30	19.43	17.85	16.80	16.04	15.45	14.86	14.40
315.0	21.36	19.14	17.85	16.74	15.98	15.27	14.81	14.40	14.05
360.0	22.59	20.25	18.84	17.73	16.74	16.09	15.57	15.04	14.51

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.16	13.81	13.52	13.17	12.87	12.64	12.29	12.00	11.59
45.0	14.28	13.93	13.52	13.23	12.99	12.76	12.47	12.11	11.82
90.0	13.81	13.46	13.17	12.93	12.70	12.35	12.06	11.76	11.47
135.0	14.10	13.75	13.46	13.05	12.82	12.58	12.35	11.94	11.65
180.0	13.87	13.52	13.23	12.99	12.70	12.47	12.17	11.94	11.59
225.0	13.81	13.40	13.05	12.82	12.58	12.29	12.00	11.70	11.41
270.0	14.05	13.75	13.34	13.11	12.82	12.58	12.29	11.94	11.65
315.0	13.64	13.34	13.05	12.76	12.58	12.29	11.94	11.70	11.41
360.0	14.16	13.81	13.52	13.17	12.87	12.64	12.29	12.00	11.59

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.29	11.06	10.71	10.48	10.30	10.12	9.89	9.71	9.60
45.0	11.53	11.24	10.83	10.59	10.36	10.12	9.89	9.71	9.54
90.0	11.12	10.83	10.53	10.30	10.12	9.89	9.77	9.54	9.36
135.0	11.41	11.06	10.77	10.48	10.24	10.01	9.89	9.66	9.48
180.0	11.35	11.00	10.77	10.48	10.24	10.07	9.89	9.66	9.48
225.0	11.12	10.83	10.59	10.30	10.07	9.95	9.71	9.60	9.42
270.0	11.41	11.06	10.77	10.53	10.30	10.07	9.89	9.71	9.54
315.0	11.12	10.83	10.53	10.30	10.07	9.89	9.71	9.54	9.42
360.0	11.29	11.06	10.71	10.48	10.30	10.12	9.89	9.71	9.60

Intensity data(cd)

C/γ(°)	90.0
0.0	9.54
45.0	9.42
90.0	9.42
135.0	9.42
180.0	9.48
225.0	9.42
270.0	9.42
315.0	9.36
360.0	9.54