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NT

Client:
LumCAT: 2-2689-L
Luminaire: 92.70.412.00
Report No: 2024315-B006
Ballast type: AC

Test No: 2024315-C006	Voltage(V): 34.650
LampCAT: BRIDGELUX V13B LES13	Current(A): 0.450
Lamp flux(lm): 2626.0	Power (W): 15.592
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2174.30, Efficiency(%): 82.80% , Luminous Efficacy(lm/W): 139.45
Central intensity(cd): 4085.807, Maximum intensity(cd): 4085.807
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=43.2
[C90/270]Total=43.2
Field angle(10%Imax): [C0/180]Total=65.2
[C90/270]Total=65.2
Maximum s/h(1/2): C0_180=0.69 C90_270=0.69
Maximum s/h(1/4): C0_180=0.68 C90_270=0.68
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 82.80%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.836%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4085.807	0.000	0	0.00%	0.00%
1.0	4082.661	3.908	3.908	0.15%	0.18%
2.0	4074.907	11.709	15.617	0.45%	0.72%
3.0	4058.155	19.452	35.069	0.74%	1.61%
4.0	4033.283	27.085	62.153	1.03%	2.86%
5.0	3992.537	34.527	96.68	1.31%	4.45%
6.0	3943.378	41.705	138.385	1.59%	6.36%
7.0	3880.173	48.561	186.946	1.85%	8.60%
8.0	3805.484	55.005	241.951	2.09%	11.13%
9.0	3720.992	60.998	302.949	2.32%	13.93%
10.0	3624.723	66.476	369.425	2.53%	16.99%
11.0	3510.019	71.291	440.715	2.71%	20.27%
12.0	3384.854	75.371	516.086	2.87%	23.74%
13.0	3262.103	78.883	594.969	3.00%	27.36%
14.0	3124.282	81.745	676.714	3.11%	31.12%
15.0	2986.389	83.890	760.604	3.19%	34.98%
16.0	2850.689	85.530	846.134	3.26%	38.92%
17.0	2706.432	86.539	932.673	3.30%	42.90%
18.0	2572.708	87.042	1019.714	3.31%	46.90%
19.0	2423.256	86.920	1106.634	3.31%	50.90%
20.0	2277.315	86.034	1192.668	3.28%	54.85%
21.0	2129.765	84.625	1277.292	3.22%	58.75%
22.0	1982.069	82.629	1359.921	3.15%	62.55%
23.0	1836.421	80.122	1440.044	3.05%	66.23%
24.0	1688.067	77.058	1517.102	2.93%	69.77%
25.0	1496.698	72.415	1589.516	2.76%	73.10%
26.0	1326.208	66.635	1656.151	2.54%	76.17%
27.0	1221.240	62.324	1718.475	2.37%	79.04%
28.0	1080.684	58.280	1776.755	2.22%	81.72%
29.0	918.759	52.311	1829.066	1.99%	84.12%
30.0	770.149	45.600	1874.666	1.74%	86.22%
31.0	616.915	38.600	1913.266	1.47%	87.99%
32.0	483.571	31.528	1944.794	1.20%	89.44%
33.0	367.038	25.059	1969.853	0.95%	90.60%
34.0	276.994	19.490	1989.344	0.74%	91.49%
35.0	232.781	15.832	2005.175	0.60%	92.22%
36.0	177.499	13.063	2018.239	0.50%	92.82%
37.0	124.690	9.856	2028.094	0.38%	93.28%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	109.291	7.810	2035.904	0.30%	93.64%
39.0	98.267	7.085	2042.989	0.27%	93.96%
40.0	89.554	6.551	2049.539	0.25%	94.26%
41.0	82.283	6.119	2055.658	0.23%	94.54%
42.0	76.174	5.757	2061.415	0.22%	94.81%
43.0	70.607	5.437	2066.853	0.21%	95.06%
44.0	65.509	5.137	2071.99	0.20%	95.29%
45.0	60.944	4.860	2076.85	0.19%	95.52%
46.0	57.045	4.614	2081.464	0.18%	95.73%
47.0	53.387	4.392	2085.856	0.17%	95.93%
48.0	49.825	4.172	2090.028	0.16%	96.12%
49.0	46.723	3.965	2093.993	0.15%	96.31%
50.0	43.746	3.772	2097.765	0.14%	96.48%
51.0	41.251	3.596	2101.361	0.14%	96.65%
52.0	38.771	3.434	2104.795	0.13%	96.80%
53.0	36.438	3.272	2108.067	0.12%	96.95%
54.0	34.470	3.125	2111.192	0.12%	97.10%
55.0	32.392	2.985	2114.177	0.11%	97.23%
56.0	30.644	2.848	2117.025	0.11%	97.37%
57.0	28.895	2.722	2119.747	0.10%	97.49%
58.0	27.432	2.605	2122.352	0.10%	97.61%
59.0	25.999	2.498	2124.85	0.10%	97.73%
60.0	24.806	2.400	2127.25	0.09%	97.84%
61.0	23.541	2.307	2129.557	0.09%	97.94%
62.0	22.304	2.209	2131.766	0.08%	98.04%
63.0	21.134	2.113	2133.879	0.08%	98.14%
64.0	19.854	2.011	2135.89	0.08%	98.23%
65.0	18.720	1.909	2137.799	0.07%	98.32%
66.0	17.586	1.811	2139.611	0.07%	98.40%
67.0	16.796	1.729	2141.34	0.07%	98.48%
68.0	16.350	1.679	2143.019	0.06%	98.56%
69.0	16.123	1.657	2144.675	0.06%	98.64%
70.0	16.042	1.652	2146.327	0.06%	98.71%
71.0	15.984	1.655	2147.982	0.06%	98.79%
72.0	16.042	1.665	2149.648	0.06%	98.87%
73.0	16.145	1.683	2151.331	0.06%	98.94%
74.0	15.838	1.681	2153.012	0.06%	99.02%
75.0	15.333	1.647	2154.659	0.06%	99.10%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.952	1.608	2156.267	0.06%	99.17%
77.0	14.528	1.572	2157.839	0.06%	99.24%
78.0	13.936	1.524	2159.362	0.06%	99.31%
79.0	13.497	1.474	2160.836	0.06%	99.38%
80.0	12.948	1.426	2162.262	0.05%	99.45%
81.0	12.480	1.375	2163.637	0.05%	99.51%
82.0	12.319	1.345	2164.982	0.05%	99.57%
83.0	12.143	1.330	2166.312	0.05%	99.63%
84.0	11.712	1.300	2167.611	0.05%	99.69%
85.0	11.031	1.241	2168.853	0.05%	99.75%
86.0	10.549	1.180	2170.032	0.04%	99.80%
87.0	10.110	1.131	2171.163	0.04%	99.86%
88.0	9.642	1.082	2172.245	0.04%	99.91%
89.0	9.276	1.037	2173.282	0.04%	99.95%
90.0	9.232	1.015	2174.296	0.04%	100.00%

Zonal flux distribution table

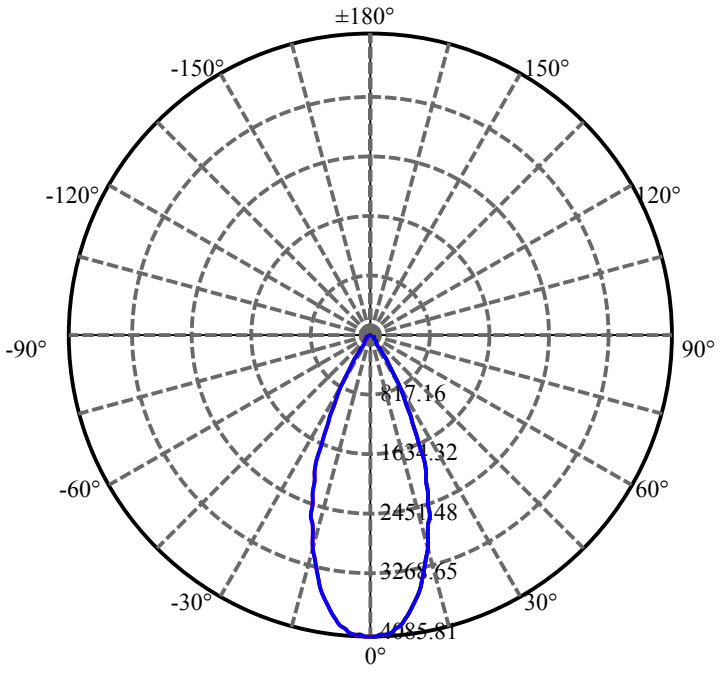
ZONAL LUMEN SUMMARY

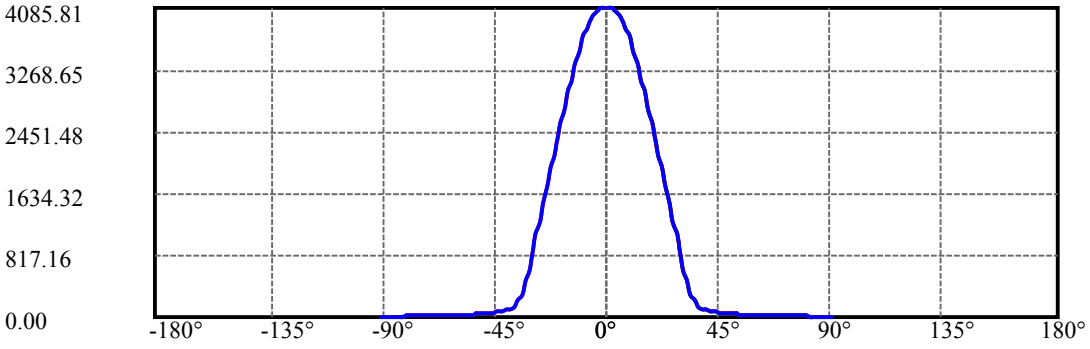
Zone	Lumens	%Lamp	%Fixt
0-30	1874.67	71.39%	86.22%
0-40	2049.54	78.05%	94.26%
0-60	2127.25	81.01%	97.84%
0-90	2173.28	82.76%	99.95%
0-120	2173.28	82.76%	99.95%
0-180	2174.30	82.80%	100.00%
60-90	46.03	1.75%	2.12%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.36	1739.44	66.24%	80.00%

ZONAL LUMEN SUMMARY

0-10	369.42
10-20	823.24
20-30	682.00
30-40	174.87
40-50	48.23
50-60	29.49
60-70	19.08
70-80	15.93
80-90	11.02
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):

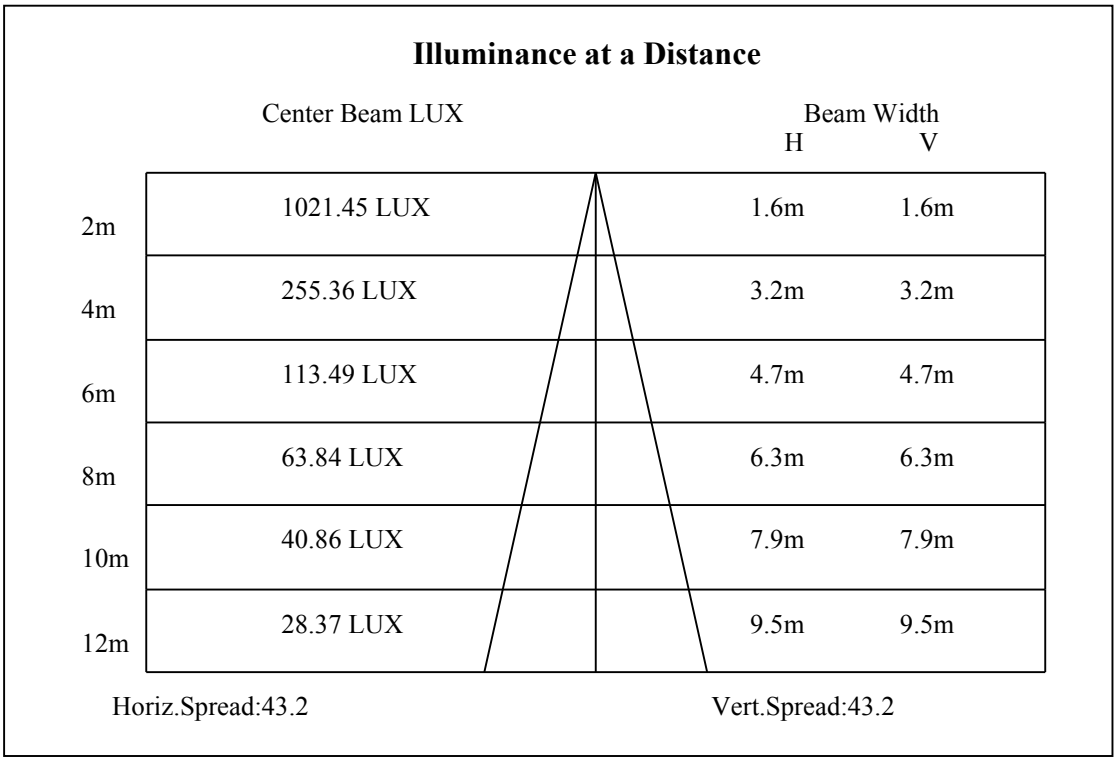
C0/C180:

C90/C270:

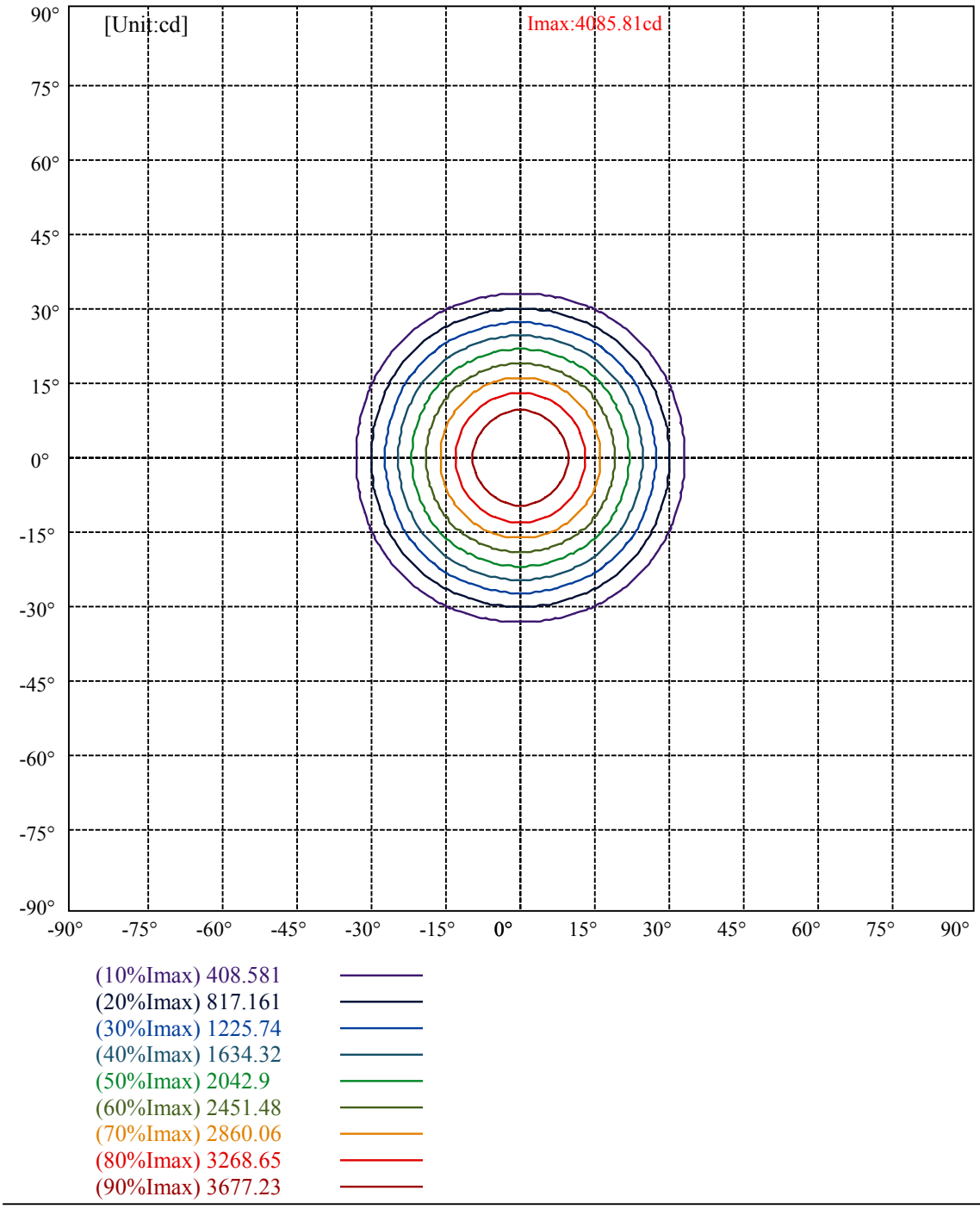
Field angle(10%Imax):C0/180Left:32.6 Right:32.6
:C90/270Left:32.6 Right:32.6

Beam Angle(50%Imax):C0/180Left:21.6 Right:21.6
:C90/270Left:21.6 Right:21.6

Lux distance Curve



ISO-Intensity(V-H)

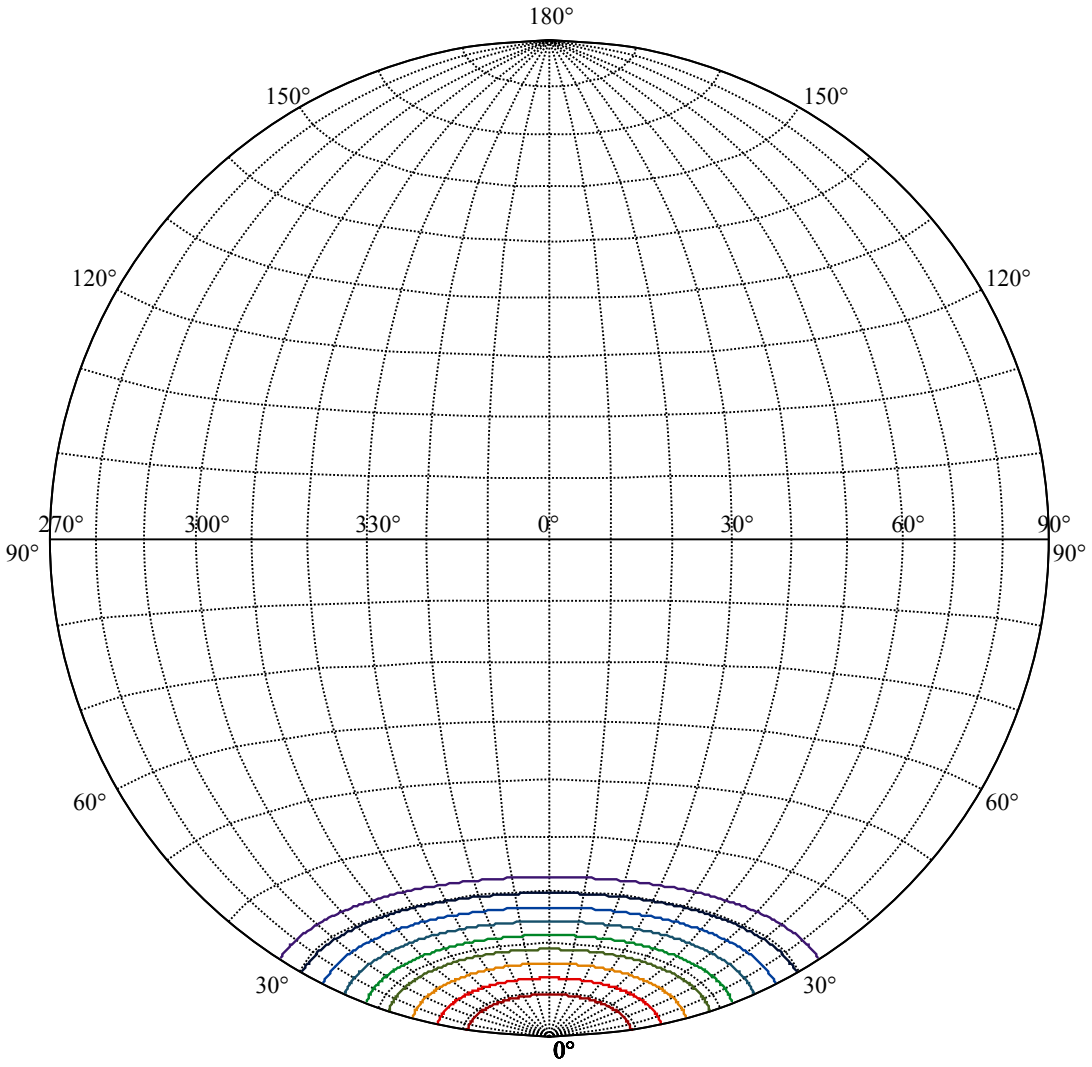


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/15
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



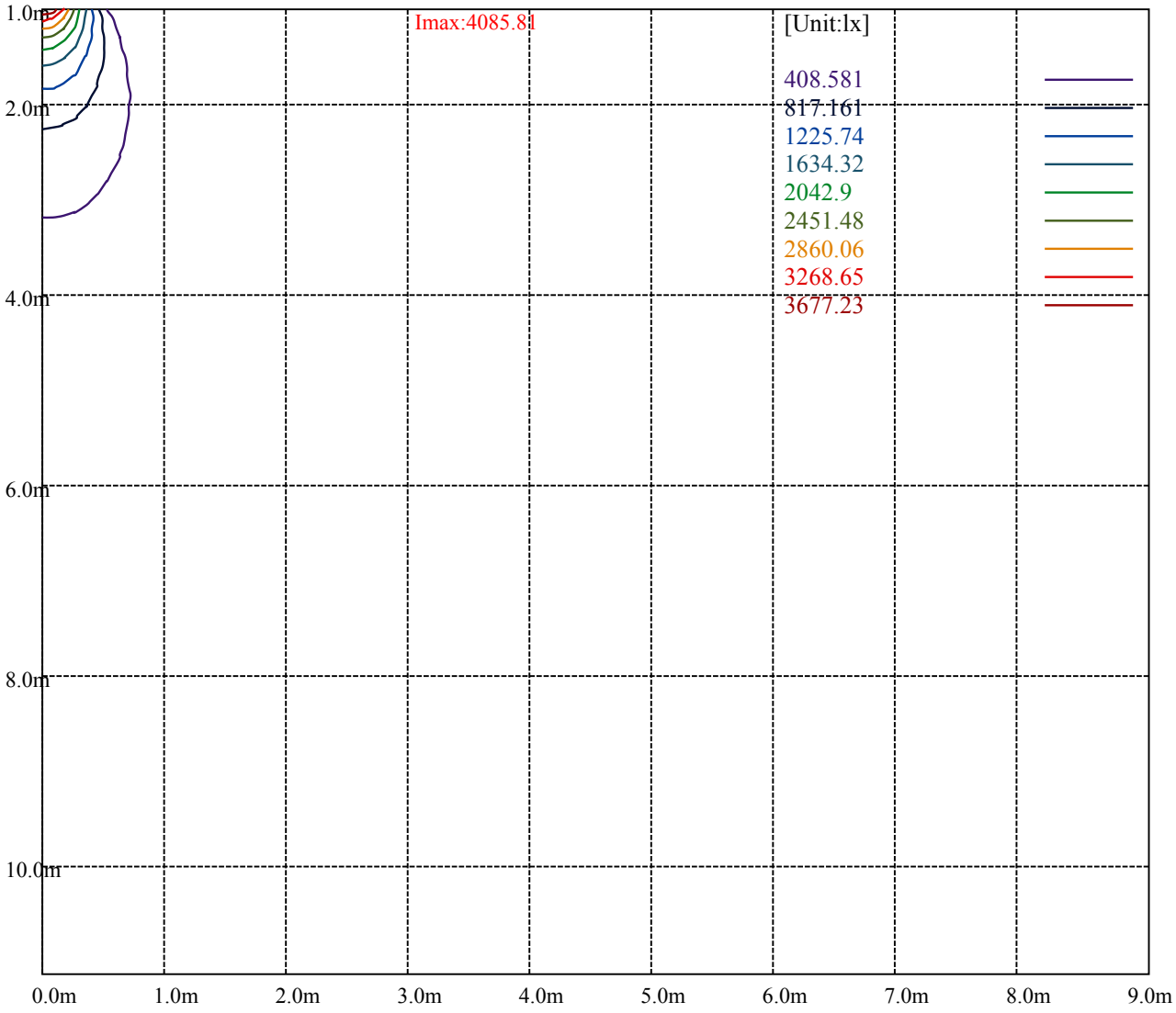
House [Unit:cd] Road

Imax:4085.81

(10%Imax) 408.581
(20%Imax) 817.161
(30%Imax) 1225.74
(40%Imax) 1634.32
(50%Imax) 2042.9
(60%Imax) 2451.48
(70%Imax) 2860.06
(80%Imax) 3268.65
(90%Imax) 3677.23

Equipment: GMS1980	Date: 2024/3/15	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/15
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

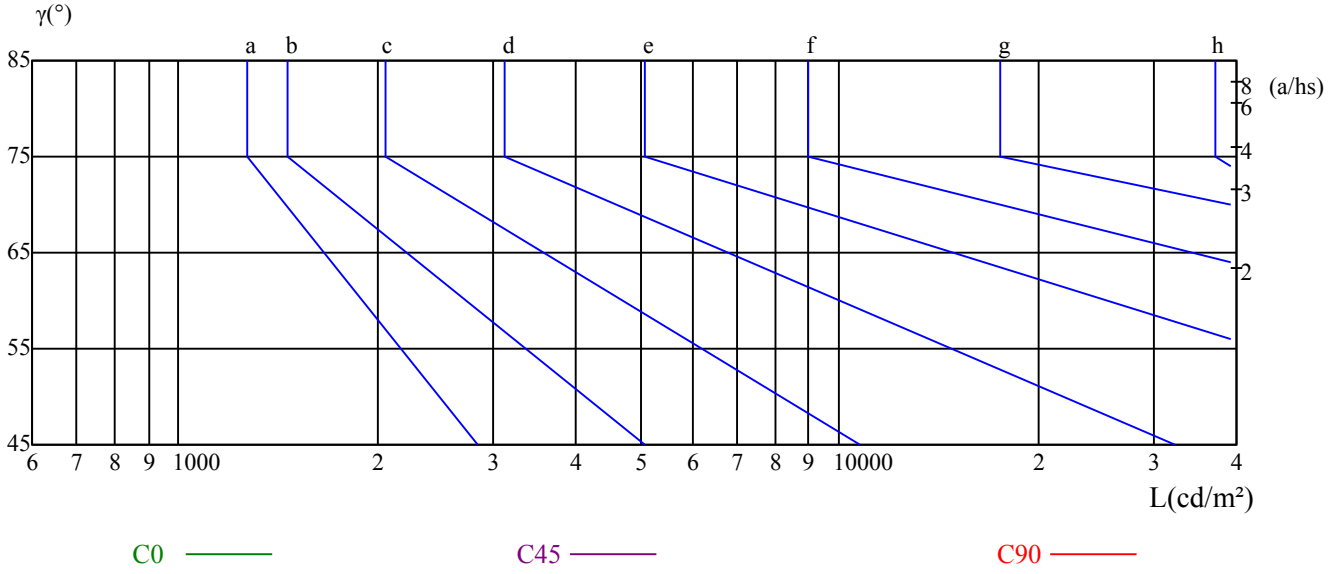
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

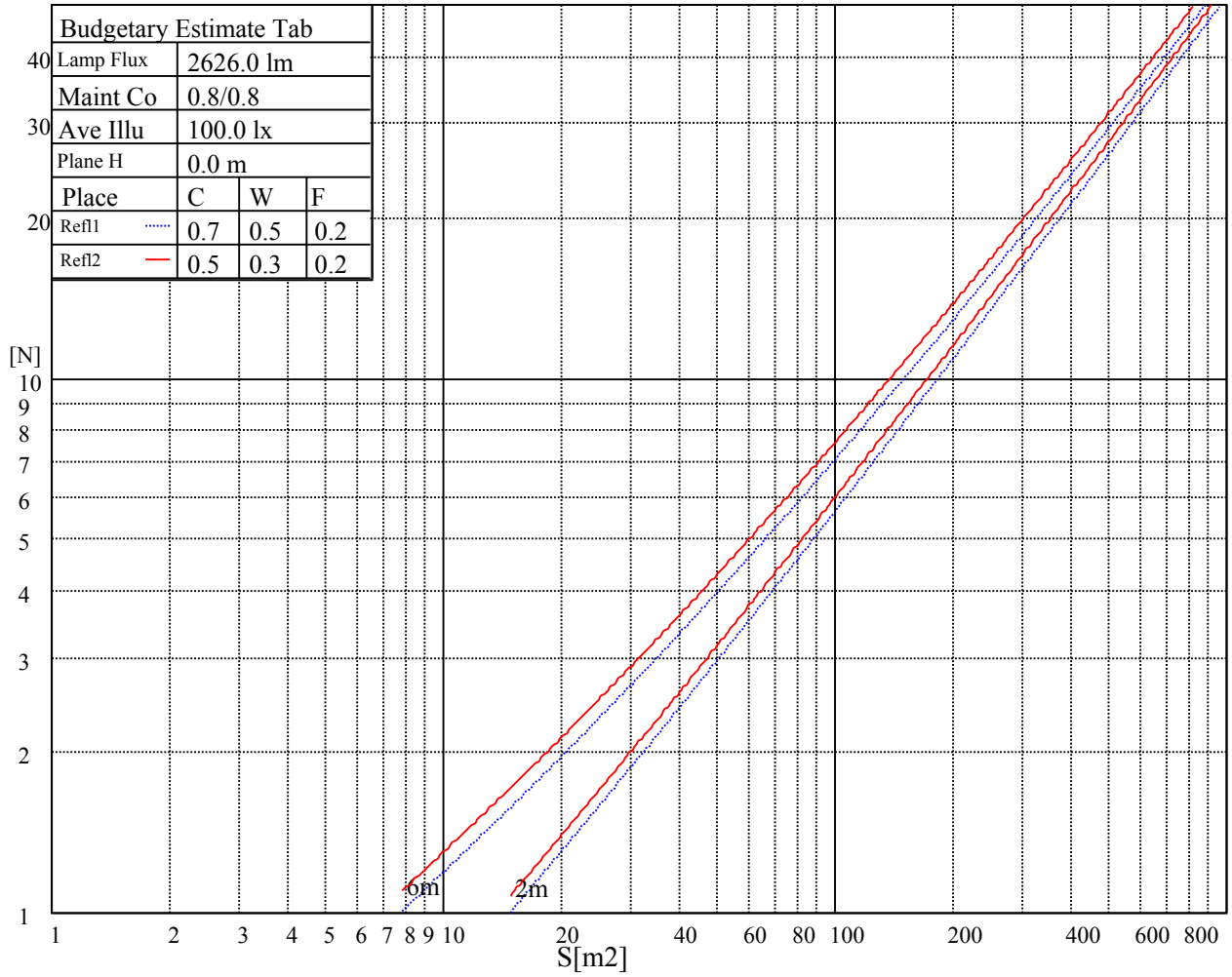


Equipment: GMS1980 Date: 2024/3/15 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

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

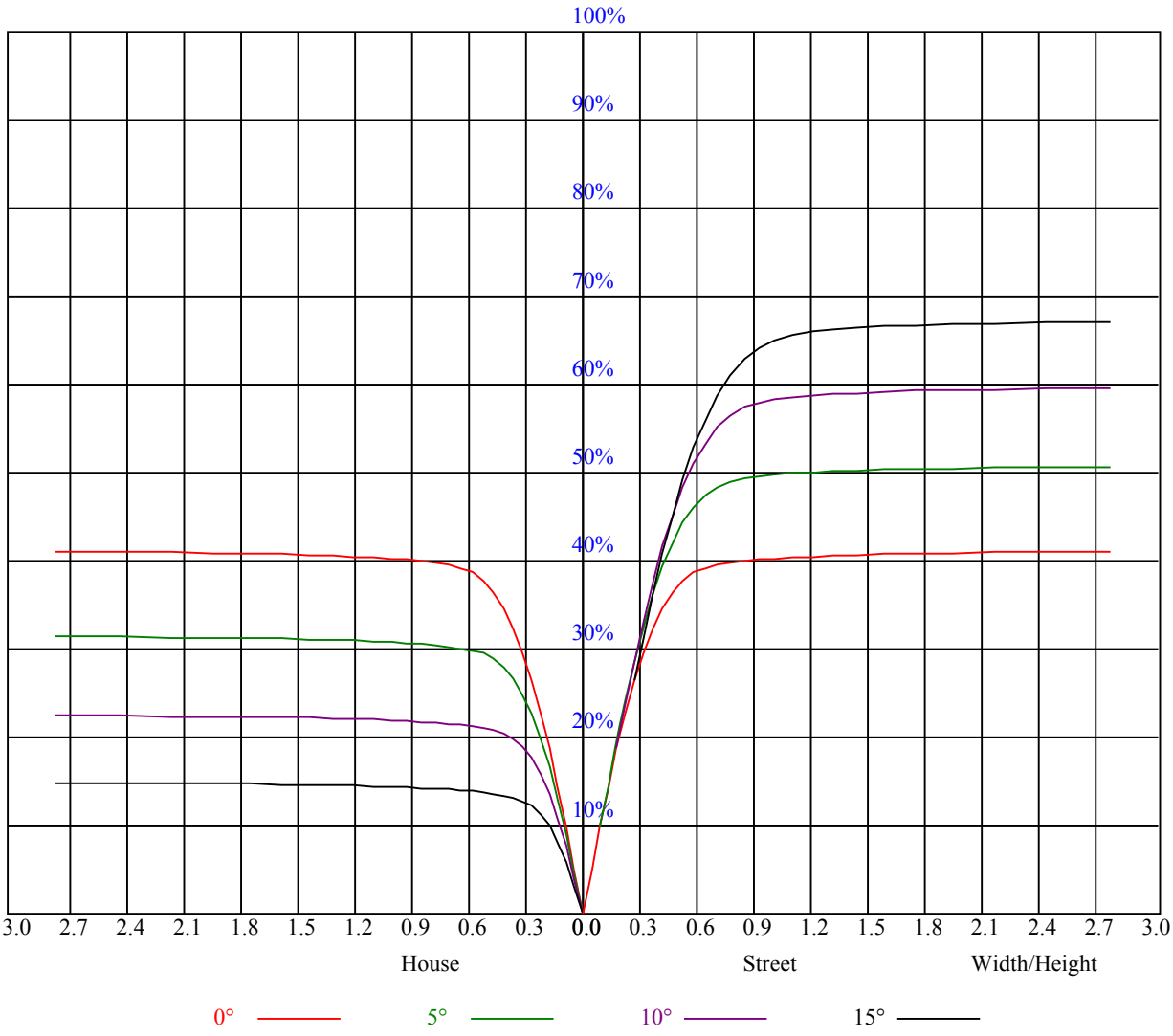


Equipment: GMS1980 Date: 2024/3/15 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

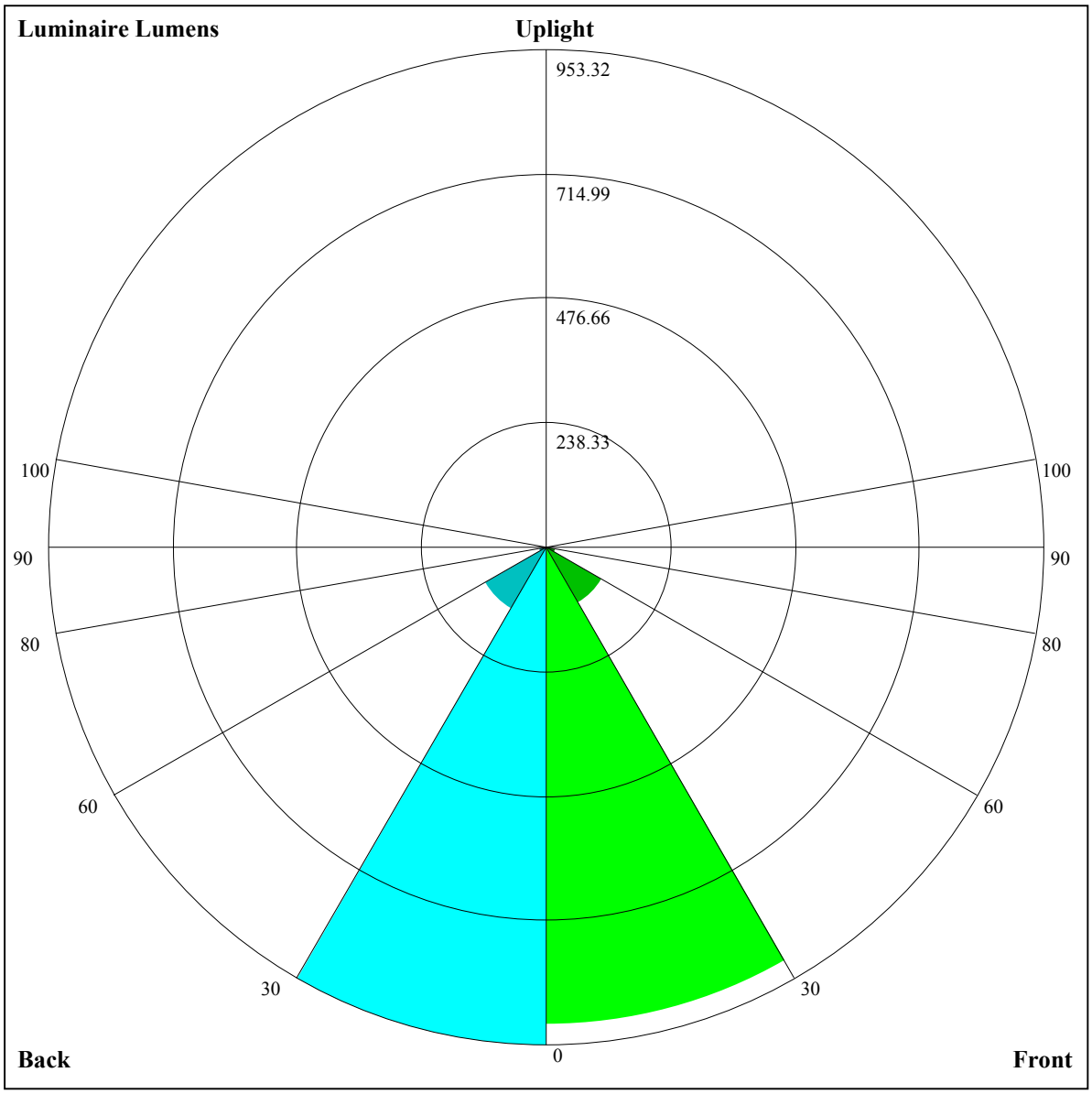
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	0.99	0.99	0.99	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.83
1	0.92	0.90	0.88	0.90	0.88	0.87	0.87	0.85	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.78
2	0.86	0.83	0.81	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.76	0.78	0.76	0.75	0.73
3	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.74	0.72	0.71	0.69
4	0.77	0.73	0.70	0.76	0.72	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.71	0.69	0.67	0.66
5	0.73	0.69	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
6	0.69	0.65	0.62	0.69	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.65	0.62	0.60	0.59
7	0.66	0.62	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.63	0.60	0.57	0.56
8	0.63	0.59	0.56	0.63	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.54
9	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.58	0.55	0.52	0.51
10	0.58	0.53	0.51	0.57	0.53	0.51	0.57	0.53	0.50	0.56	0.53	0.50	0.55	0.52	0.50	0.49

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/15	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

LCS Graph



Luminaire Lumens:
FL=915.98,FM=122.9,FH=17.81,FVH=6.03
BL=953.32,BM=134.97,BH=16.8,BVH=6.02
UL=0,UH=0

BUG Rating:B2-U0-G0

Equipment: GMS1980	Date: 2024/3/15	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	4084.34	4076.74	4053.33	4018.21	3974.91	3901.75	3832.11	3754.28	3668.25
45.0	4088.44	4090.20	4083.17	4065.62	4037.53	3998.90	3949.74	3874.83	3801.09
90.0	4091.37	4080.83	4070.30	4046.89	4014.12	3958.52	3900.58	3833.28	3734.38
135.0	4079.08	4080.25	4080.83	4066.79	4048.06	4012.95	3970.81	3917.55	3838.55
180.0	4084.34	4086.68	4085.51	4084.34	4076.74	4052.74	4024.65	3987.78	3936.28
225.0	4088.44	4082.59	4076.15	4058.01	4033.43	3997.15	3949.74	3879.52	3808.70
270.0	4091.37	4087.86	4082.00	4072.05	4053.91	4027.58	3991.29	3931.01	3868.40
315.0	4079.08	4076.15	4067.96	4053.33	4027.58	3990.71	3928.09	3863.13	3788.22
360.0	4084.34	4076.74	4053.33	4018.21	3974.91	3901.75	3832.11	3754.28	3668.25

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3547.69	3437.08	3320.04	3166.71	3042.06	2916.82	2759.39	2631.23	2470.88
45.0	3721.50	3630.21	3503.80	3389.10	3271.47	3145.06	2987.05	2857.13	2700.29
90.0	3641.91	3539.50	3393.78	3269.71	3145.64	2986.46	2861.22	2734.81	2602.55
135.0	3759.54	3665.91	3561.15	3419.53	3291.95	3162.61	3029.77	2866.49	2733.64
180.0	3864.30	3795.83	3708.63	3609.14	3502.04	3346.38	3220.55	3093.56	2933.79
225.0	3732.62	3643.08	3511.41	3394.36	3274.39	3117.55	2990.56	2860.05	2701.46
270.0	3794.66	3697.51	3596.27	3492.10	3349.30	3225.82	3103.51	2949.59	2820.84
315.0	3705.70	3588.66	3485.07	3338.18	3219.97	3093.56	2939.06	2812.65	2688.00
360.0	3547.69	3437.08	3320.04	3166.71	3042.06	2916.82	2759.39	2631.23	2470.88

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2340.37	2206.36	2065.90	1893.26	1758.07	1630.50	1499.40	1167.23	1167.23
45.0	2570.95	2442.20	2276.58	2140.23	2004.45	1870.44	1708.33	1579.00	1436.20
90.0	2440.45	2306.43	2168.90	1997.43	1858.73	1724.13	1560.85	1154.47	1154.47
135.0	2602.55	2435.76	2303.50	2164.22	1995.68	1858.73	1692.53	1554.42	1411.04
180.0	2799.77	2632.99	2491.95	2349.15	2170.66	2030.79	1890.92	1754.56	1592.46
225.0	2567.44	2398.90	2258.44	2113.31	1971.10	1797.87	1670.29	1540.37	1141.66
270.0	2696.78	2562.76	2390.70	2256.69	2115.65	1972.27	1800.21	1666.19	1547.98
315.0	2563.34	2400.65	2262.54	2123.84	1982.22	1806.65	1682.00	1557.34	1158.63
360.0	2340.37	2206.36	2065.90	1893.26	1758.07	1630.50	1499.40	1167.23	1167.23

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1015.31	868.83	694.25	562.64	412.88	309.41	223.20	156.26	131.85
45.0	1289.31	1100.28	948.71	801.23	624.49	498.08	383.97	309.64	309.64
90.0	1081.14	930.74	783.67	647.38	488.19	375.95	277.10	199.80	144.49
135.0	1260.05	1068.68	918.86	771.97	634.44	479.36	370.51	297.35	297.35
180.0	1462.54	1315.64	1164.07	982.65	835.17	684.77	529.69	410.89	307.89
225.0	1141.66	1065.40	916.46	769.04	596.34	472.45	363.89	252.17	186.57
270.0	1361.29	1210.89	1025.37	876.14	732.17	594.06	440.15	333.05	309.06
315.0	1158.63	1085.01	898.67	750.14	611.62	454.49	347.80	256.80	175.39
360.0	1015.31	868.83	694.25	562.64	412.88	309.41	223.20	156.26	131.85

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	116.93	105.63	94.98	88.02	81.76	74.85	69.88	65.49	61.27
45.0	139.93	121.61	108.15	98.43	88.84	82.28	76.37	71.10	65.08
90.0	122.90	107.74	94.75	86.85	80.18	72.86	67.77	63.15	58.29
135.0	139.87	118.74	101.24	91.65	83.98	76.02	70.46	65.72	61.45
180.0	307.89	155.44	130.56	110.49	99.43	90.65	81.81	75.67	70.40
225.0	142.09	124.07	110.31	100.37	90.53	83.69	77.60	72.22	66.13
270.0	309.06	140.86	123.78	111.19	99.78	92.41	85.74	78.24	72.92
315.0	141.33	123.42	110.55	99.14	91.94	85.50	79.77	73.27	68.53
360.0	116.93	105.63	94.98	88.02	81.76	74.85	69.88	65.49	61.27

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	56.53	53.02	49.80	46.12	43.37	40.20	37.98	35.87	33.88
45.0	60.86	57.00	53.43	49.22	46.12	42.66	40.20	37.98	35.29
90.0	54.60	51.27	48.22	44.71	42.19	39.85	37.28	35.29	33.47
135.0	56.83	53.49	50.39	47.52	44.18	41.84	39.68	37.22	35.35
180.0	65.66	61.39	56.83	53.49	50.50	47.11	44.54	41.49	39.33
225.0	61.92	58.11	53.72	50.56	47.64	44.30	41.79	39.44	36.69
270.0	66.89	62.74	58.87	55.30	51.21	48.22	45.41	42.84	39.80
315.0	64.26	59.34	55.83	51.68	48.57	45.76	43.13	40.03	37.69
360.0	56.53	53.02	49.80	46.12	43.37	40.20	37.98	35.87	33.88

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	32.07	29.96	28.44	27.04	25.75	24.40	23.29	21.83	20.72
45.0	33.36	31.54	29.90	27.97	26.63	25.40	24.29	22.82	21.77
90.0	31.78	29.67	28.09	26.34	25.16	24.11	22.82	21.83	20.66
135.0	33.47	31.37	29.79	28.32	26.57	25.34	24.23	23.12	21.77
180.0	37.16	34.65	32.83	31.13	29.50	27.74	26.51	25.28	24.17
225.0	34.76	32.89	31.19	29.26	27.86	26.57	25.40	23.94	22.71
270.0	37.51	35.41	33.42	31.25	29.67	27.80	26.45	25.22	23.82
315.0	35.64	33.65	31.49	29.85	28.32	26.63	25.46	24.29	22.82
360.0	32.07	29.96	28.44	27.04	25.75	24.40	23.29	21.83	20.72

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.66	18.38	17.38	16.68	16.33	16.33	16.56	17.62	18.61
45.0	20.66	19.43	18.49	17.97	17.97	18.55	19.25	19.37	18.96
90.0	19.55	18.26	17.15	16.04	15.33	14.86	14.46	14.16	13.87
135.0	20.60	19.49	18.43	17.09	16.04	15.16	14.69	14.40	13.99
180.0	23.06	21.65	20.37	18.96	17.91	16.80	15.74	15.22	14.98
225.0	21.48	20.07	18.96	17.50	16.56	16.33	16.62	16.56	16.27
270.0	22.59	21.30	20.07	18.67	17.38	16.50	15.86	15.33	14.98
315.0	21.48	20.25	18.90	17.79	16.85	16.27	15.80	15.68	16.21
360.0	19.66	18.38	17.38	16.68	16.33	16.33	16.56	17.62	18.61

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.02	19.20	18.67	18.49	17.97	16.91	15.68	14.46	12.87
45.0	19.14	19.90	19.55	17.97	17.44	17.32	16.04	15.80	14.05
90.0	13.58	13.28	13.05	12.82	12.58	12.29	12.17	12.06	12.06
135.0	13.75	13.52	13.17	12.93	12.70	12.41	12.23	12.06	12.00
180.0	14.98	15.10	14.92	14.51	13.99	13.58	13.17	12.82	12.52
225.0	16.15	16.09	15.45	14.46	13.93	13.23	12.76	12.58	12.47
270.0	14.63	14.28	13.99	13.69	13.34	13.11	12.87	12.70	12.64
315.0	17.09	17.79	17.91	17.79	17.67	17.38	16.56	15.51	14.98
360.0	19.02	19.20	18.67	18.49	17.97	16.91	15.68	14.46	12.87

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.52	12.29	11.59	10.71	10.42	10.12	9.31	9.13	9.25
45.0	12.58	12.41	12.17	11.53	10.71	10.36	10.30	9.48	9.13
90.0	12.11	12.11	11.88	11.00	10.30	10.12	9.89	9.25	9.19
135.0	12.00	11.94	11.94	11.76	10.77	10.36	10.18	9.60	9.19
180.0	12.35	12.35	12.23	12.11	11.94	11.18	10.36	10.12	9.83
225.0	12.41	12.29	12.17	11.82	11.12	10.36	10.18	9.77	9.13
270.0	12.64	12.64	12.58	12.52	11.88	11.12	10.42	10.18	9.31
315.0	13.23	12.52	12.58	12.23	11.12	10.77	10.24	9.60	9.19
360.0	12.52	12.29	11.59	10.71	10.42	10.12	9.31	9.13	9.25

Intensity data(cd)

C/γ(°)	90.0
0.0	9.42
45.0	9.25
90.0	9.31
135.0	9.25
180.0	9.19
225.0	9.07
270.0	9.13
315.0	9.25
360.0	9.42