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

NT

Client:
LumCAT: 3-2807-L
Luminaire: 92.70.429.00
Report No: 2024411-B016
Ballast type: AC

Test No: 2024411-C016	Voltage(V): 34.810
LampCAT: CREE CXA1830 LES14	Current(A): 0.530
Lamp flux(lm): 2685.0	Power (W): 18.449
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2266.39, Efficiency(%): 84.41% , Luminous Efficacy(lm/W): 122.85
Central intensity(cd): 5165.109, Maximum intensity(cd): 5165.109
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=35.6
[C90/270]Total=35.6
Field angle(10%Imax): [C0/180]Total=64.6
[C90/270]Total=64.6
Maximum s/h(1/2): C0_180=0.58 C90_270=0.58
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(%): 84.41%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.705%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5165.108	0.000	0	0.00%	0.00%
1.0	5160.207	4.940	4.94	0.18%	0.22%
2.0	5134.091	14.775	19.716	0.55%	0.87%
3.0	5097.515	24.471	44.186	0.91%	1.95%
4.0	5045.649	33.952	78.139	1.26%	3.45%
5.0	4975.788	43.112	121.251	1.61%	5.35%
6.0	4880.030	51.795	173.046	1.93%	7.64%
7.0	4761.303	59.844	232.889	2.23%	10.28%
8.0	4624.653	67.174	300.063	2.50%	13.24%
9.0	4456.913	73.601	373.664	2.74%	16.49%
10.0	4273.664	79.009	452.672	2.94%	19.97%
11.0	4065.617	83.327	535.999	3.10%	23.65%
12.0	3864.884	86.692	622.691	3.23%	27.48%
13.0	3648.497	89.165	711.855	3.32%	31.41%
14.0	3414.115	90.401	802.256	3.37%	35.40%
15.0	3207.311	90.902	893.158	3.39%	39.41%
16.0	2968.759	90.497	983.655	3.37%	43.40%
17.0	2760.565	89.221	1072.876	3.32%	47.34%
18.0	2542.788	87.441	1160.317	3.26%	51.20%
19.0	2337.008	84.898	1245.215	3.16%	54.94%
20.0	2137.154	81.890	1327.105	3.05%	58.56%
21.0	1958.733	78.649	1405.754	2.93%	62.03%
22.0	1785.799	75.248	1481.002	2.80%	65.35%
23.0	1623.765	71.542	1552.544	2.66%	68.50%
24.0	1419.215	66.530	1619.074	2.48%	71.44%
25.0	1291.314	61.631	1680.706	2.30%	74.16%
26.0	1208.512	59.009	1739.715	2.20%	76.76%
27.0	1104.210	56.581	1796.296	2.11%	79.26%
28.0	995.943	53.171	1849.467	1.98%	81.60%
29.0	896.572	49.514	1898.981	1.84%	83.79%
30.0	777.998	45.213	1944.194	1.68%	85.78%
31.0	665.957	40.183	1984.377	1.50%	87.56%
32.0	554.340	34.960	2019.337	1.30%	89.10%
33.0	446.219	29.477	2048.814	1.10%	90.40%
34.0	352.935	24.185	2072.999	0.90%	91.47%
35.0	264.361	19.171	2092.17	0.71%	92.31%
36.0	220.718	15.445	2107.615	0.58%	92.99%
37.0	164.492	12.563	2120.178	0.47%	93.55%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	97.550	8.747	2128.925	0.33%	93.93%
39.0	84.894	6.227	2135.152	0.23%	94.21%
40.0	76.657	5.634	2140.786	0.21%	94.46%
41.0	70.717	5.248	2146.034	0.20%	94.69%
42.0	65.370	4.944	2150.978	0.18%	94.91%
43.0	61.097	4.685	2155.663	0.17%	95.11%
44.0	57.030	4.458	2160.122	0.17%	95.31%
45.0	53.680	4.255	2164.376	0.16%	95.50%
46.0	50.724	4.083	2168.459	0.15%	95.68%
47.0	48.040	3.928	2172.387	0.15%	95.85%
48.0	45.918	3.798	2176.186	0.14%	96.02%
49.0	43.928	3.690	2179.875	0.14%	96.18%
50.0	42.107	3.587	2183.462	0.13%	96.34%
51.0	40.388	3.490	2186.953	0.13%	96.50%
52.0	38.932	3.404	2190.356	0.13%	96.65%
53.0	37.425	3.322	2193.678	0.12%	96.79%
54.0	36.108	3.241	2196.919	0.12%	96.93%
55.0	34.675	3.160	2200.079	0.12%	97.07%
56.0	33.175	3.066	2203.144	0.11%	97.21%
57.0	31.683	2.965	2206.11	0.11%	97.34%
58.0	30.176	2.861	2208.97	0.11%	97.47%
59.0	28.742	2.754	2211.725	0.10%	97.59%
60.0	27.352	2.650	2214.375	0.10%	97.70%
61.0	25.896	2.541	2216.916	0.09%	97.82%
62.0	24.550	2.431	2219.347	0.09%	97.92%
63.0	23.343	2.329	2221.676	0.09%	98.03%
64.0	22.239	2.237	2223.913	0.08%	98.13%
65.0	21.222	2.151	2226.064	0.08%	98.22%
66.0	20.307	2.072	2228.136	0.08%	98.31%
67.0	19.473	2.000	2230.136	0.07%	98.40%
68.0	18.625	1.930	2232.066	0.07%	98.49%
69.0	17.915	1.864	2233.93	0.07%	98.57%
70.0	17.220	1.804	2235.734	0.07%	98.65%
71.0	16.876	1.762	2237.497	0.07%	98.73%
72.0	16.708	1.746	2239.243	0.07%	98.80%
73.0	16.825	1.754	2240.997	0.07%	98.88%
74.0	17.147	1.786	2242.783	0.07%	98.96%
75.0	17.623	1.837	2244.62	0.07%	99.04%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.893	1.885	2246.505	0.07%	99.12%
77.0	17.754	1.901	2248.406	0.07%	99.21%
78.0	17.535	1.889	2250.295	0.07%	99.29%
79.0	16.781	1.844	2252.138	0.07%	99.37%
80.0	15.640	1.748	2253.886	0.07%	99.45%
81.0	14.389	1.624	2255.51	0.06%	99.52%
82.0	12.736	1.471	2256.981	0.05%	99.58%
83.0	11.770	1.332	2258.313	0.05%	99.64%
84.0	11.390	1.262	2259.575	0.05%	99.70%
85.0	11.068	1.226	2260.801	0.05%	99.75%
86.0	10.454	1.176	2261.977	0.04%	99.81%
87.0	10.168	1.129	2263.106	0.04%	99.86%
88.0	10.015	1.106	2264.211	0.04%	99.90%
89.0	9.949	1.094	2265.306	0.04%	99.95%
90.0	9.810	1.083	2266.389	0.04%	100.00%

Zonal flux distribution table

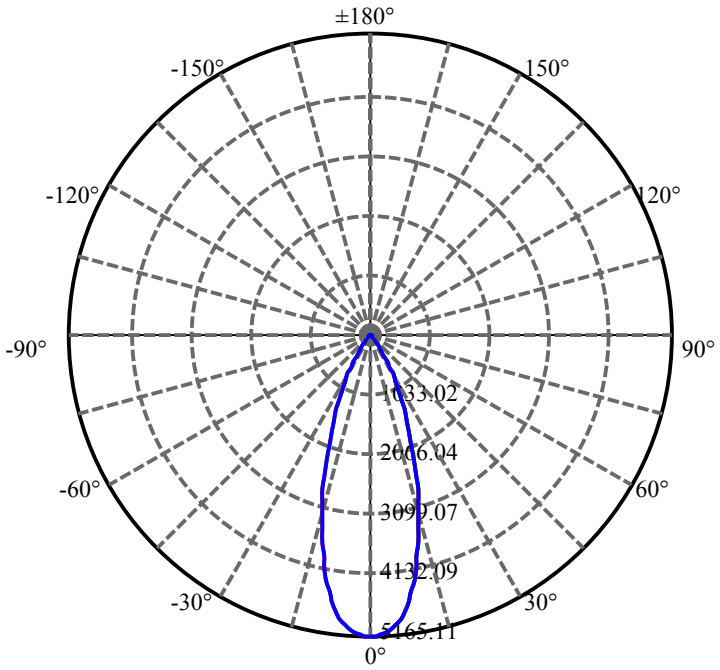
ZONAL LUMEN SUMMARY

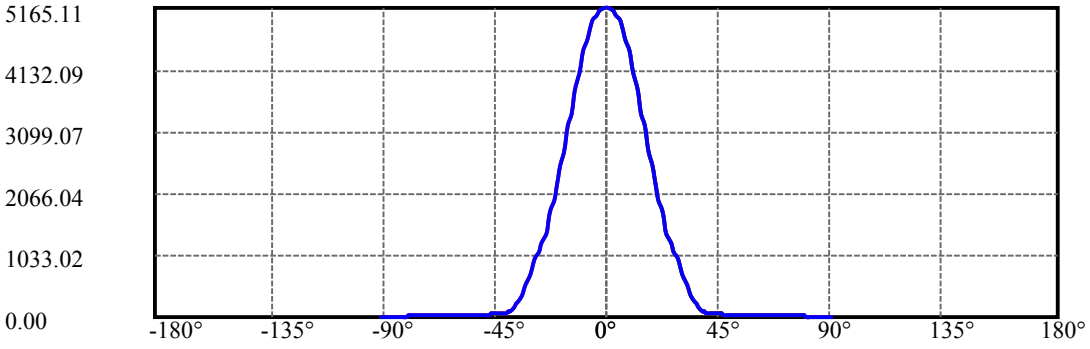
Zone	Lumens	%Lamp	%Fixt
0-30	1944.19	72.41%	85.78%
0-40	2140.79	79.73%	94.46%
0-60	2214.37	82.47%	97.70%
0-90	2265.31	84.37%	99.95%
0-120	2265.31	84.37%	99.95%
0-180	2266.39	84.41%	100.00%
60-90	50.93	1.90%	2.25%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.32	1813.11	67.53%	80.00%

ZONAL LUMEN SUMMARY

0-10	452.67
10-20	874.43
20-30	617.09
30-40	196.59
40-50	42.68
50-60	30.91
60-70	21.36
70-80	18.15
80-90	11.42
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):

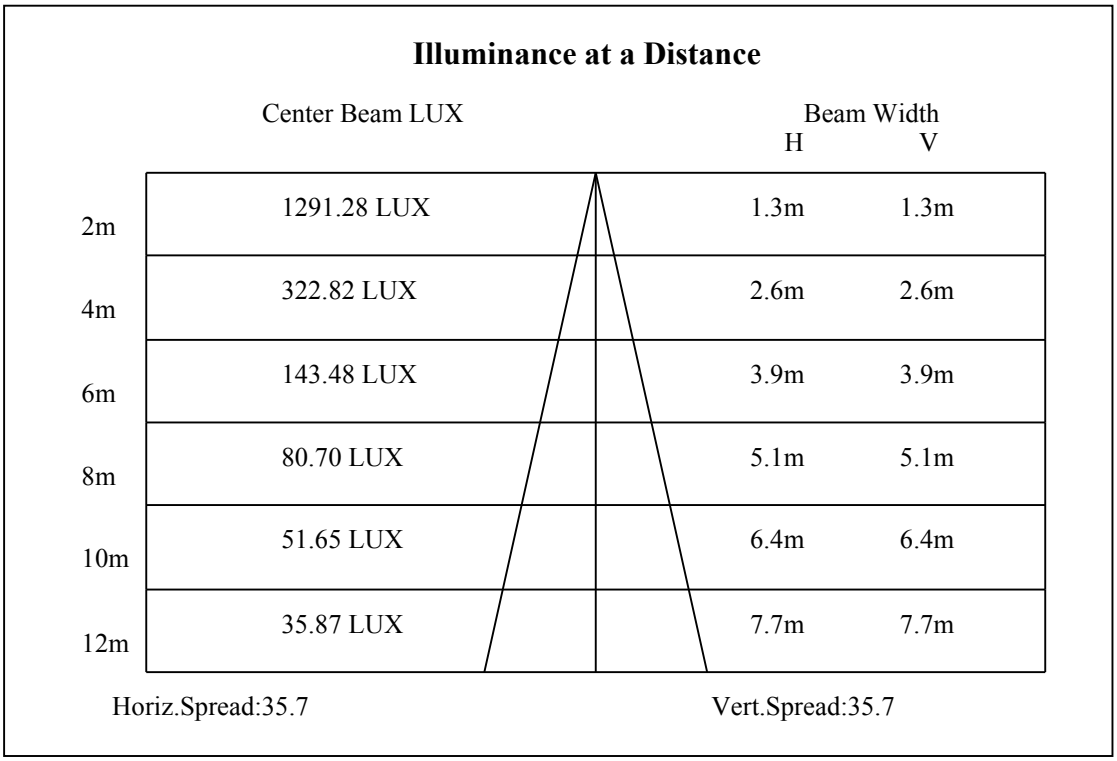
C0/C180:

C90/C270:

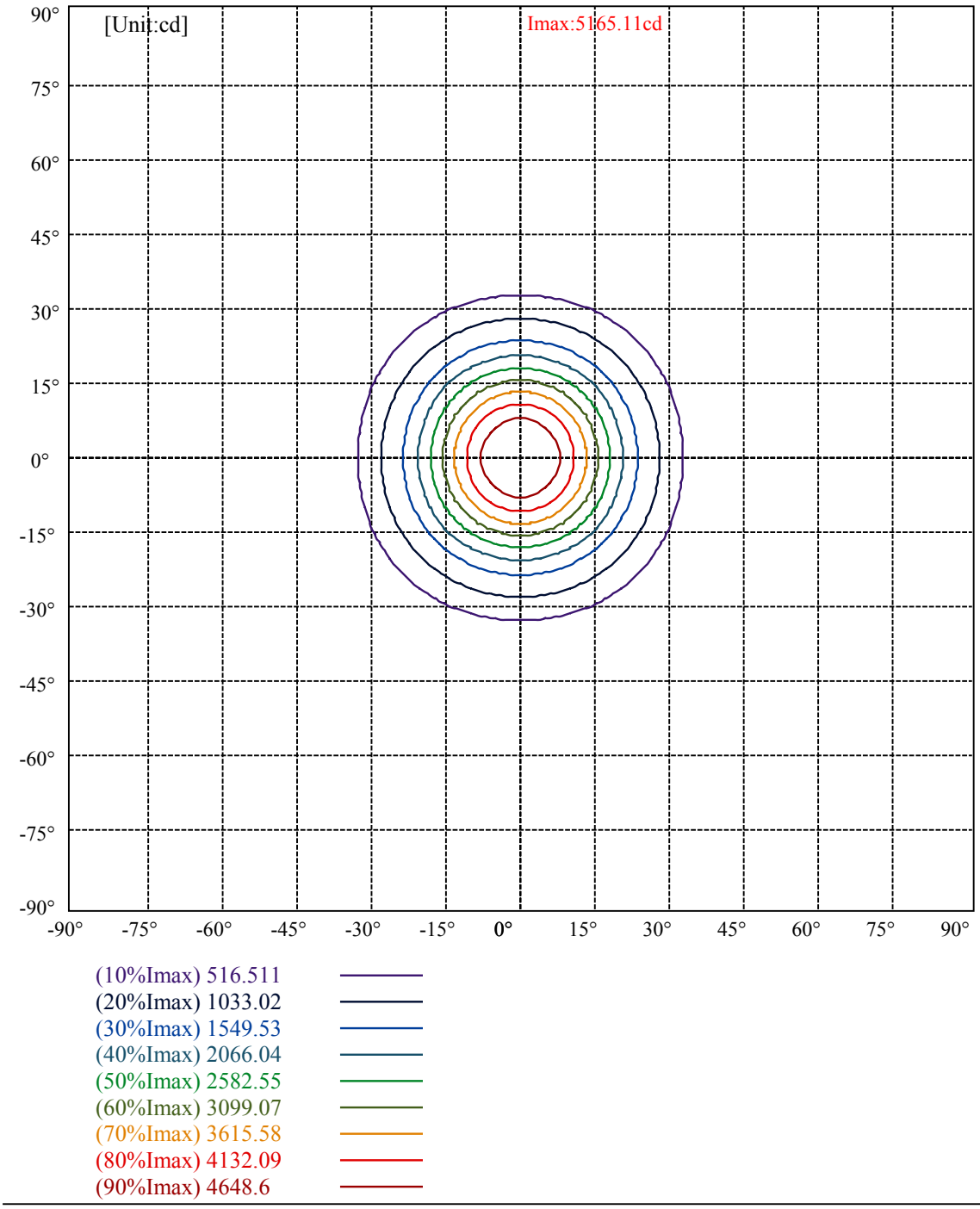
Field angle(10%Imax):C0/180Left:32.3 Right:32.3
:C90/270Left:32.3 Right:32.3

Beam Angle(50%Imax):C0/180Left:17.8 Right:17.8
:C90/270Left:17.8 Right:17.8

Lux distance Curve



ISO-Intensity(V-H)

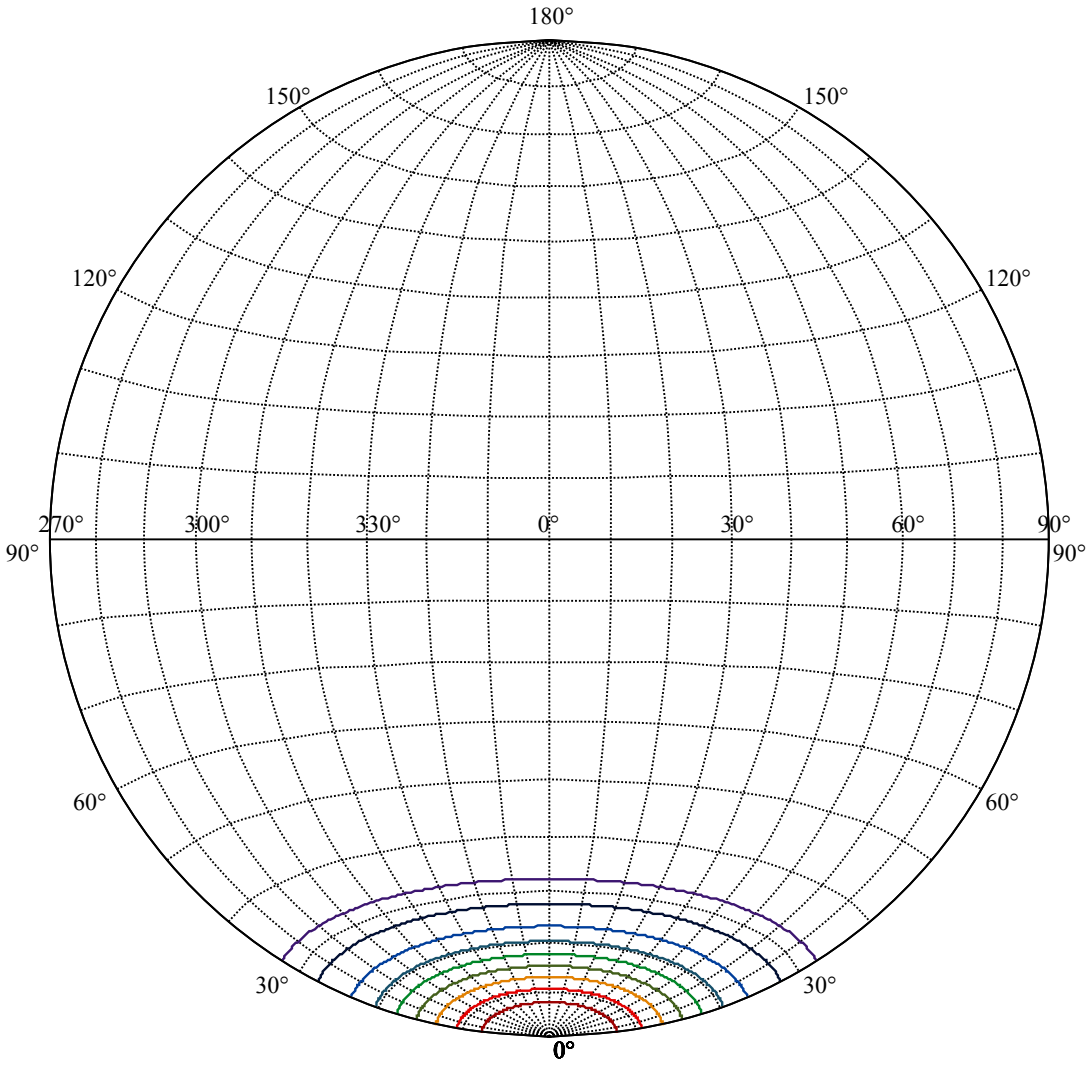


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/11
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



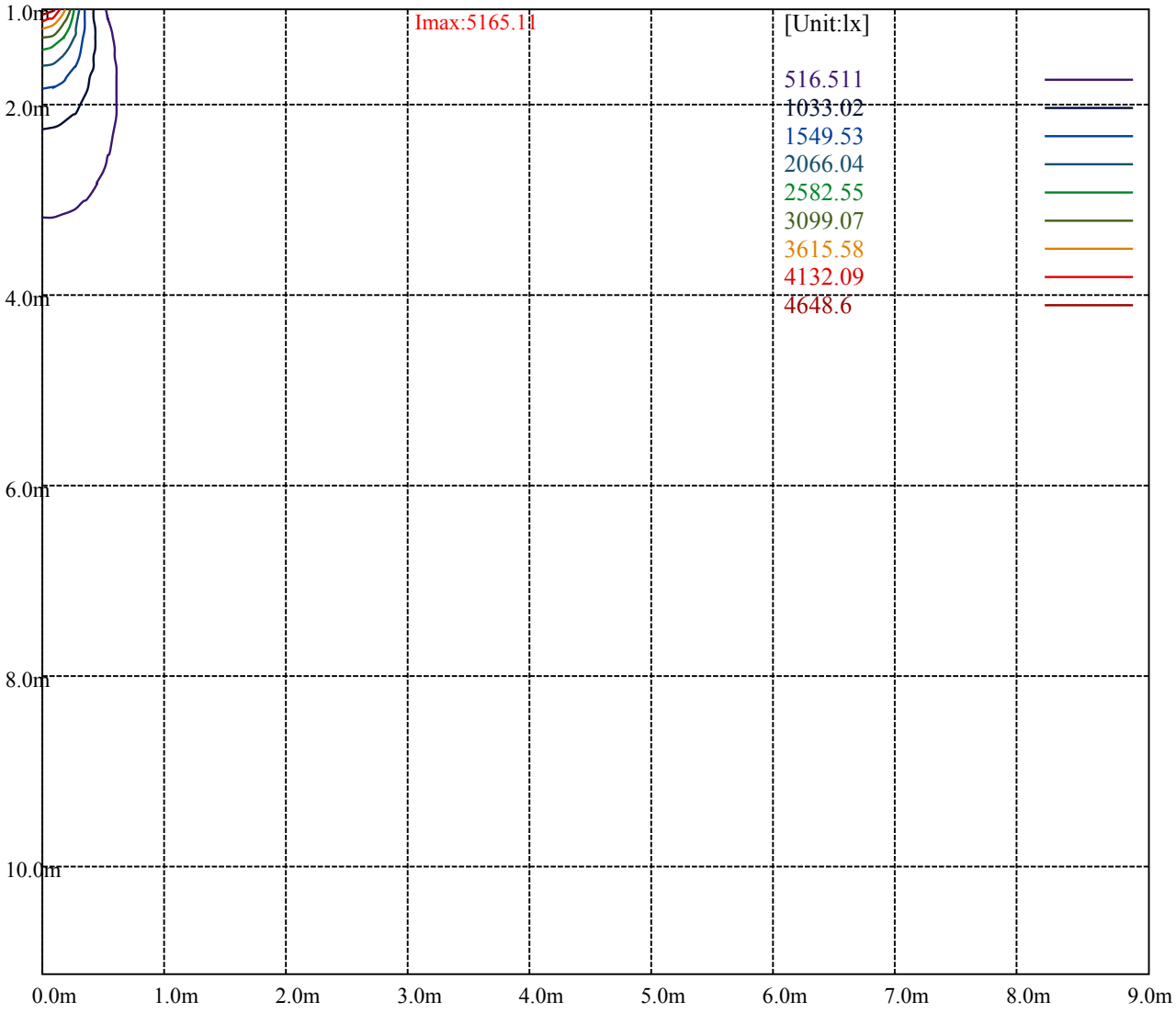
House [Unit:cd] Road

Imax:5165.11

(10%Imax) 516.511
(20%Imax) 1033.02
(30%Imax) 1549.53
(40%Imax) 2066.04
(50%Imax) 2582.55
(60%Imax) 3099.07
(70%Imax) 3615.58
(80%Imax) 4132.09
(90%Imax) 4648.6

Equipment: GMS1980 Date: 2024/4/11 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/11
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

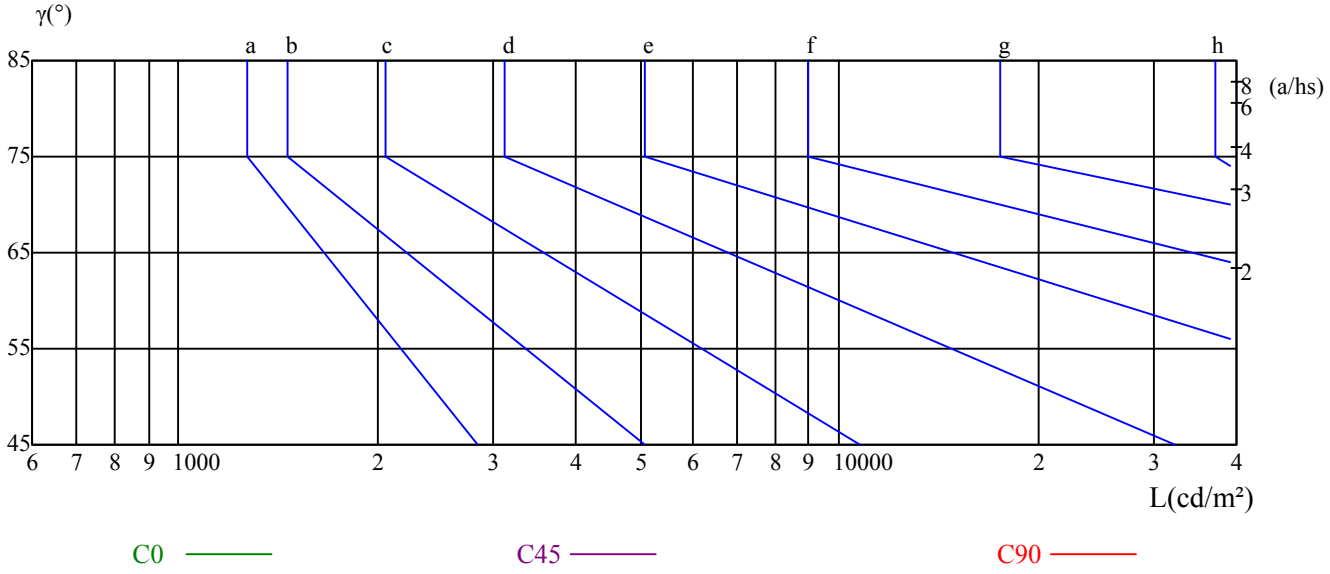
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

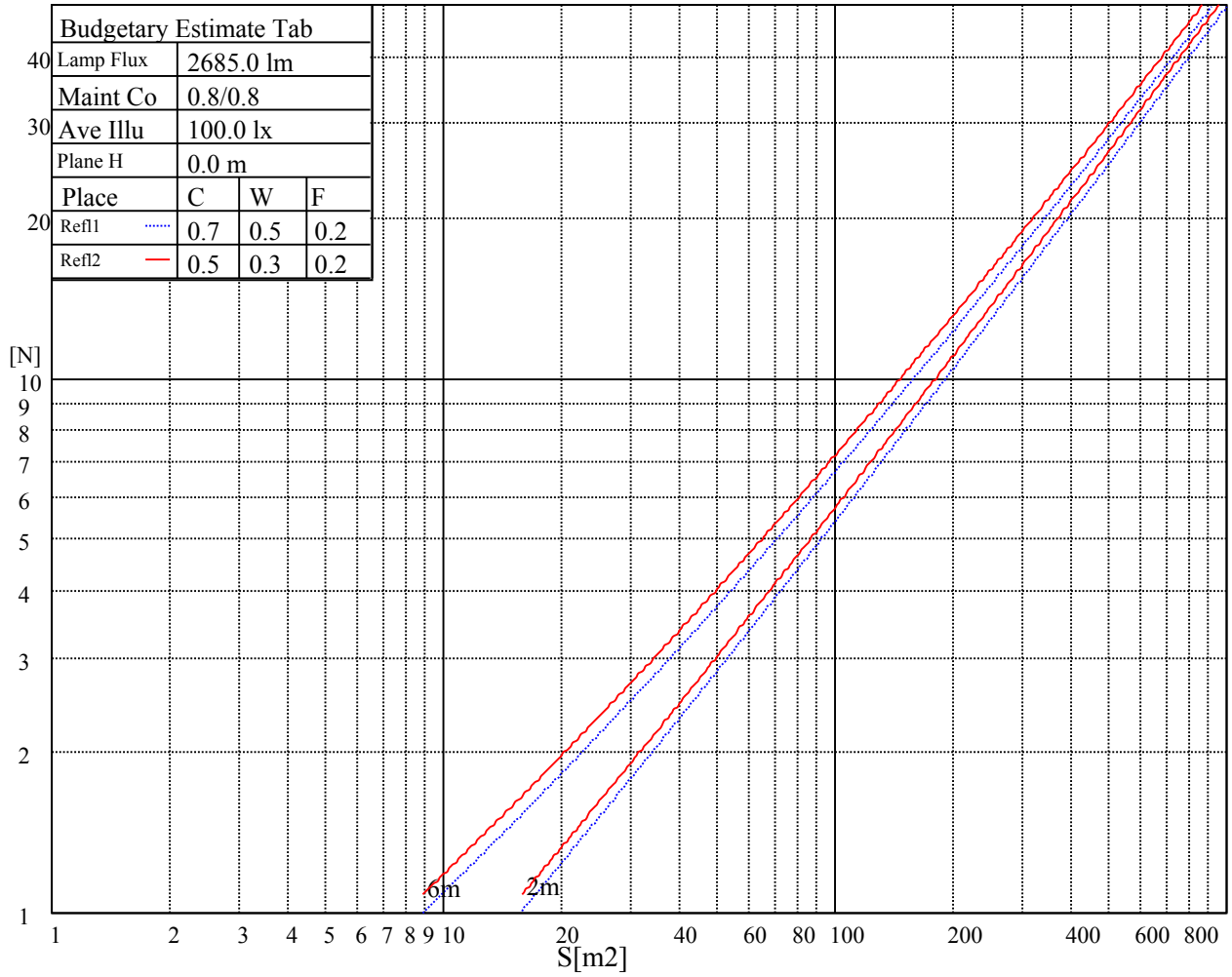
Luminance Limitting Curve



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

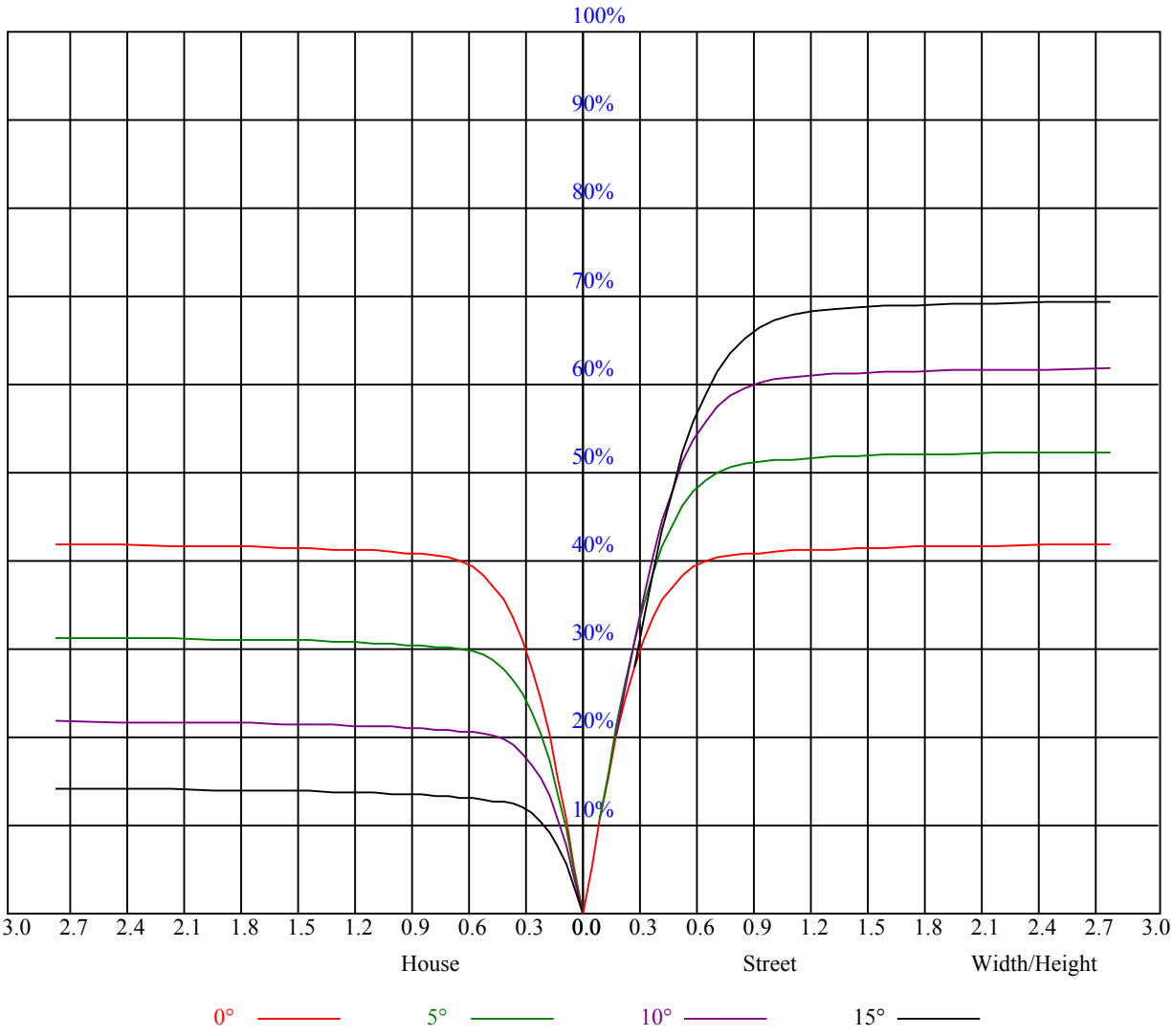


Equipment: GMS1980 Date: 2024/4/11 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

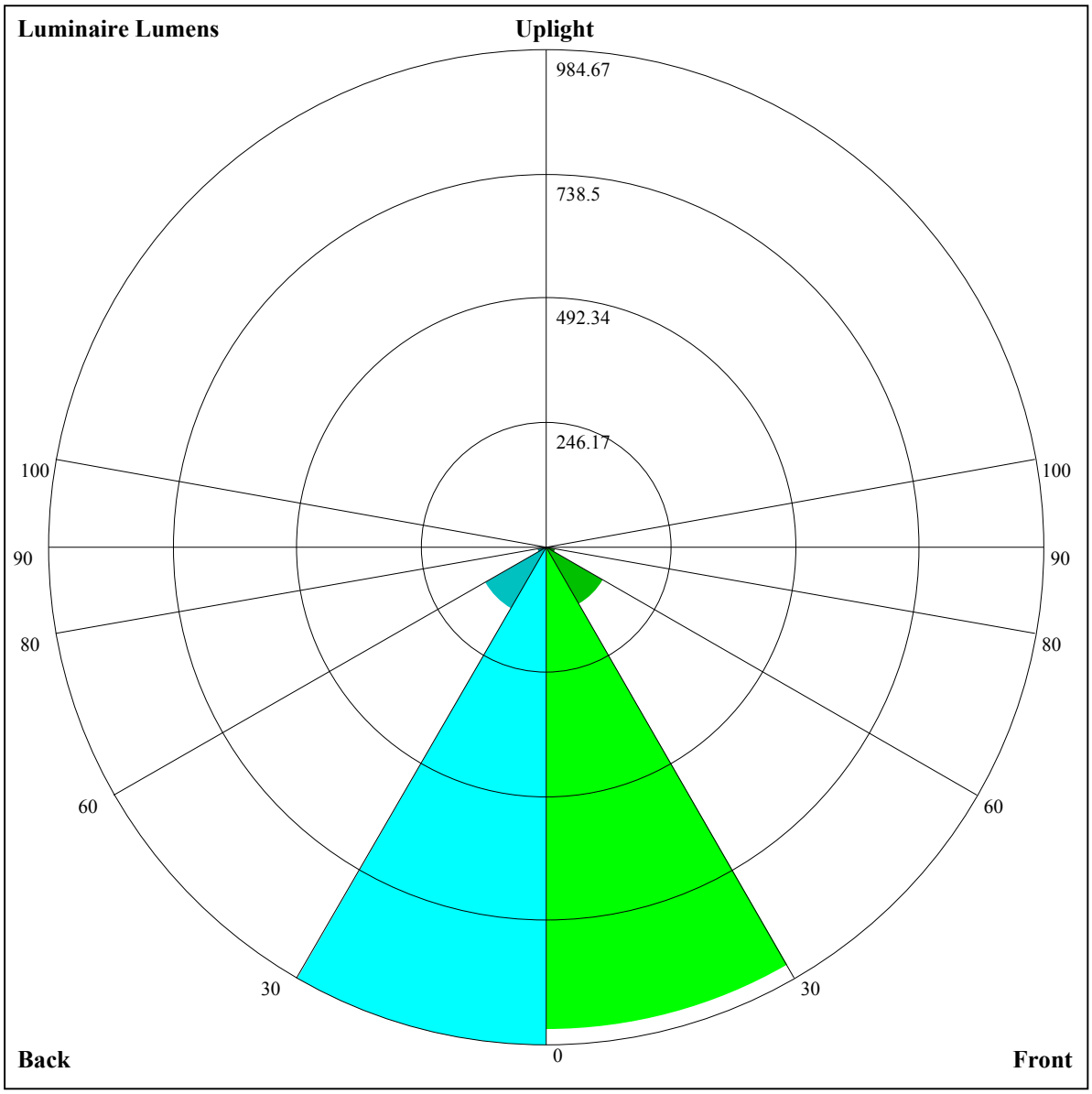
Utilization factor table for indoor luminaire

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	0.90	0.89	0.89	0.87	0.86	0.86	0.84	0.83	0.83	0.82	0.81	0.80
2	0.88	0.85	0.82	0.87	0.84	0.82	0.84	0.82	0.80	0.82	0.80	0.78	0.79	0.78	0.76	0.75
3	0.83	0.79	0.76	0.82	0.79	0.76	0.80	0.77	0.75	0.78	0.76	0.74	0.76	0.74	0.72	0.71
4	0.79	0.75	0.72	0.78	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.73	0.71	0.69	0.68
5	0.75	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.71	0.68	0.66	0.70	0.68	0.65	0.64
6	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.68	0.65	0.63	0.67	0.65	0.62	0.61
7	0.68	0.64	0.61	0.68	0.63	0.61	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.59
8	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.62	0.59	0.57	0.56
9	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.54
10	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	0.53	0.52

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/11	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=955.5,FM=131.58,FH=20.22,FVH=6.45
BL=984.67,BM=140.05,BH=20.09,BVH=6.2
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	5165.25	5142.43	5104.39	5058.74	5005.49	4908.34	4811.78	4680.10	4495.17
45.0	5167.60	5173.45	5150.62	5129.56	5088.00	5019.53	4946.97	4831.09	4719.31
90.0	5170.52	5171.69	5131.90	5096.78	5038.26	4971.54	4864.45	4746.23	4612.22
135.0	5157.06	5170.52	5175.20	5148.87	5112.58	5068.11	5006.07	4901.90	4799.49
180.0	5165.25	5175.79	5167.01	5137.75	5092.69	5036.50	4957.50	4855.67	4744.48
225.0	5167.60	5149.45	5115.51	5064.01	5010.17	4928.82	4803.59	4668.98	4523.26
270.0	5170.52	5167.60	5151.21	5113.75	5048.21	4989.10	4898.98	4795.98	4644.99
315.0	5157.06	5130.73	5076.89	5030.65	4969.79	4884.35	4750.92	4610.46	4458.30
360.0	5165.25	5142.43	5104.39	5058.74	5005.49	4908.34	4811.78	4680.10	4495.17

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4326.63	4148.13	3896.49	3694.58	3487.41	3224.06	3021.58	2814.41	2610.16
45.0	4577.69	4426.12	4210.75	4022.31	3826.84	3616.16	3412.51	3160.86	2954.27
90.0	4454.79	4227.14	4035.77	3840.89	3641.33	3391.44	3188.36	2988.80	2778.71
135.0	4632.11	4482.88	4309.66	4134.09	3885.95	3685.22	3480.98	3222.31	3007.53
180.0	4574.76	4412.66	4242.35	4004.75	3786.46	3575.78	3365.69	3104.68	2897.51
225.0	4372.27	4134.67	3942.13	3741.40	3478.64	3265.61	3064.88	2802.70	2594.36
270.0	4485.81	4314.92	4084.93	3885.37	3688.73	3424.80	3208.26	2947.84	2741.25
315.0	4231.24	4042.79	3802.85	3595.68	3392.61	3129.84	2916.23	2708.48	2500.72
360.0	4326.63	4148.13	3896.49	3694.58	3487.41	3224.06	3021.58	2814.41	2610.16

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2373.73	2189.39	2022.01	1862.24	1674.97	1535.10	1310.38	1165.59	1141.19
45.0	2752.37	2503.65	2316.96	2093.41	1922.52	1769.78	1590.11	1450.25	1318.57
90.0	2529.40	2344.47	2120.91	1955.30	1792.60	1605.92	1471.31	1159.39	1159.39
135.0	2803.29	2603.72	2367.29	2183.53	2013.82	1811.33	1662.10	1522.81	1354.85
180.0	2693.85	2484.34	2290.63	2076.44	1907.89	1704.82	1569.05	1408.11	1282.87
225.0	2390.70	2153.10	1975.19	1816.01	1628.74	1494.14	1153.07	1153.07	1126.27
270.0	2541.11	2338.62	2093.41	1924.86	1766.27	1620.55	1446.15	1319.74	1203.28
315.0	2257.86	2078.78	1910.82	1758.07	1579.58	1448.49	1151.55	1151.55	1081.67
360.0	2373.73	2189.39	2022.01	1862.24	1674.97	1535.10	1310.38	1165.59	1141.19

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1046.73	938.47	827.68	694.95	586.34	487.20	391.52	299.64	198.80
45.0	1196.26	1069.85	984.99	876.73	774.90	633.86	530.27	433.71	320.18
90.0	1091.74	1002.49	909.91	793.68	661.60	554.27	454.25	360.09	252.17
135.0	1225.52	1096.18	1010.16	908.91	802.99	688.87	558.95	460.05	366.99
180.0	1163.49	1073.36	965.09	856.24	747.39	637.95	505.69	405.62	319.59
225.0	1015.72	922.37	815.63	678.10	574.75	451.79	360.67	274.82	178.96
270.0	1097.36	993.19	897.79	763.19	653.75	550.76	428.44	334.81	313.74
315.0	996.87	871.63	761.32	652.17	525.94	430.02	339.96	254.75	164.45
360.0	1046.73	938.47	827.68	694.95	586.34	487.20	391.52	299.64	198.80

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	138.00	101.95	88.31	78.48	72.68	66.42	62.15	58.41	54.37
45.0	299.11	299.11	108.33	92.29	81.70	75.38	69.93	65.08	60.98
90.0	178.20	114.82	94.81	85.21	76.90	71.22	66.25	61.04	57.47
135.0	299.69	299.69	122.78	97.09	84.86	77.95	70.70	65.78	61.51
180.0	298.52	197.16	100.89	85.21	75.85	70.11	63.73	59.63	56.06
225.0	122.08	95.22	85.21	77.89	70.52	65.49	61.21	57.59	53.37
270.0	313.74	112.95	94.10	85.09	78.30	71.34	66.42	62.27	57.64
315.0	116.40	95.04	85.97	77.89	72.45	67.83	62.56	58.99	54.84
360.0	138.00	101.95	88.31	78.48	72.68	66.42	62.15	58.41	54.37

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	51.38	48.87	46.12	44.24	42.49	40.91	39.15	37.75	36.34
45.0	56.77	53.55	50.80	48.34	45.82	44.07	41.84	40.38	38.62
90.0	54.25	51.32	48.28	46.06	44.18	42.49	40.50	39.21	37.51
135.0	56.88	53.61	50.68	48.11	45.76	43.42	41.79	40.32	39.09
180.0	52.90	49.57	47.29	45.24	43.42	41.55	40.15	38.80	37.22
225.0	50.74	47.75	45.65	43.83	41.96	40.44	39.09	37.45	36.17
270.0	54.43	51.62	48.63	46.58	44.59	42.43	40.97	39.44	37.63
315.0	52.09	49.51	46.88	44.95	43.19	41.55	39.62	38.10	36.81
360.0	51.38	48.87	46.12	44.24	42.49	40.91	39.15	37.75	36.34

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	35.17	33.47	32.07	30.72	28.85	27.62	26.28	24.64	23.58
45.0	37.34	36.05	34.82	33.07	31.84	30.37	28.97	27.39	25.93
90.0	36.28	35.17	33.42	32.07	30.61	29.20	27.68	26.28	24.87
135.0	37.51	36.17	34.76	33.36	32.01	30.31	28.91	27.62	25.81
180.0	36.05	34.88	33.24	31.89	30.67	28.91	27.62	26.45	24.70
225.0	34.88	33.42	31.78	30.43	28.91	27.62	26.04	24.70	23.64
270.0	36.28	34.88	33.30	31.49	29.90	28.56	27.39	25.63	24.46
315.0	35.35	33.36	32.01	30.43	28.62	27.33	25.93	24.46	23.41
360.0	35.17	33.47	32.07	30.72	28.85	27.62	26.28	24.64	23.58

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	22.30	21.24	20.42	19.72	18.90	17.91	17.32	16.68	16.09
45.0	24.70	23.76	22.41	21.30	20.54	19.61	18.79	17.97	17.38
90.0	23.82	22.65	21.54	20.66	19.78	18.90	18.20	17.56	17.44
135.0	24.58	23.53	22.47	21.36	20.37	19.61	18.79	17.85	17.32
180.0	23.58	22.53	21.42	20.25	19.61	18.84	17.97	17.15	16.62
225.0	22.36	21.24	20.19	19.49	18.67	17.91	17.26	16.62	15.98
270.0	23.17	21.95	21.07	20.19	19.31	18.43	17.85	17.44	18.38
315.0	22.24	21.01	20.25	19.49	18.61	17.79	17.15	16.50	15.80
360.0	22.30	21.24	20.42	19.72	18.90	17.91	17.32	16.68	16.09

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.45	14.98	14.46	14.22	13.99	13.93	13.75	13.46	12.99
45.0	16.80	16.85	17.67	18.90	20.60	22.65	24.58	23.70	22.24
90.0	18.14	19.66	20.89	22.24	22.36	21.19	20.19	19.14	18.14
135.0	16.74	15.98	15.45	14.86	14.51	14.16	13.87	13.52	13.17
180.0	15.80	15.22	14.81	14.22	13.81	13.46	13.28	13.11	12.82
225.0	15.68	15.92	16.62	18.02	19.08	19.25	18.20	16.09	13.58
270.0	19.78	21.19	22.94	24.46	24.99	23.82	23.06	22.06	19.37
315.0	15.27	14.81	14.34	14.05	13.81	13.58	13.34	13.17	12.82
360.0	15.45	14.98	14.46	14.22	13.99	13.93	13.75	13.46	12.99

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.70	12.17	12.00	11.82	11.65	10.48	10.12	10.18	9.83
45.0	19.90	15.45	12.17	11.59	11.29	11.06	10.48	10.07	9.95
90.0	16.62	13.75	11.70	11.24	10.94	10.42	10.18	9.95	10.18
135.0	12.87	12.41	12.06	11.65	11.24	10.59	10.36	10.07	9.95
180.0	12.47	11.88	11.41	11.12	10.65	10.42	10.24	10.01	10.24
225.0	11.82	11.53	11.24	10.89	10.42	10.18	9.95	10.07	9.77
270.0	16.15	12.41	11.53	11.18	10.83	10.36	10.07	10.07	9.71
315.0	12.58	12.29	12.06	11.65	11.53	10.12	9.95	9.71	9.95
360.0	12.70	12.17	12.00	11.82	11.65	10.48	10.12	10.18	9.83

Intensity data(cd)

C/γ(°)	90.0
0.0	10.01
45.0	9.71
90.0	9.71
135.0	9.83
180.0	9.77
225.0	9.83
270.0	9.83
315.0	9.77
360.0	10.01