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NT

Client:
LumCAT: 3-2805-L
Luminaire: 92.70.412.00
Report No: 2024321-B016
Ballast type: AC

Test No: 2024321-C016	Voltage(V): 35.160
LampCAT: Fortimo_SLM_C_1205	Current(A): 0.450
Lamp flux(lm): 2693.0	Power (W): 15.822
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2327.54, Efficiency(%): 86.43% , Luminous Efficacy(lm/W): 147.11
Central intensity(cd): 10289.410, Maximum intensity(cd): 10289.410
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=18.0
[C90/270]Total=18.0
Field angle(10%Imax): [C0/180]Total=53.0
[C90/270]Total=53.0
Maximum s/h(1/2): C0_180=0.30 C90_270=0.30
Maximum s/h(1/4): C0_180=0.38 C90_270=0.38
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 86.43%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.614%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	10289.411	0.000	0	0.00%	0.00%
1.0	10187.216	9.798	9.798	0.36%	0.42%
2.0	9878.657	28.800	38.598	1.07%	1.66%
3.0	9376.533	46.052	84.65	1.71%	3.64%
4.0	8751.367	60.680	145.33	2.25%	6.24%
5.0	8035.198	72.215	217.545	2.68%	9.35%
6.0	7267.748	80.421	297.966	2.99%	12.80%
7.0	6423.488	84.981	382.947	3.16%	16.45%
8.0	5718.073	86.895	469.842	3.23%	20.19%
9.0	5115.144	87.797	557.64	3.26%	23.96%
10.0	4531.895	87.302	644.942	3.24%	27.71%
11.0	4100.437	86.255	731.196	3.20%	31.41%
12.0	3706.874	85.345	816.542	3.17%	35.08%
13.0	3397.436	84.310	900.852	3.13%	38.70%
14.0	3104.165	83.220	984.072	3.09%	42.28%
15.0	2845.788	81.684	1065.755	3.03%	45.79%
16.0	2610.601	79.951	1145.707	2.97%	49.22%
17.0	2392.970	77.919	1223.626	2.89%	52.57%
18.0	2211.770	75.922	1299.548	2.82%	55.83%
19.0	2037.885	73.935	1373.483	2.75%	59.01%
20.0	1881.630	71.738	1445.221	2.66%	62.09%
21.0	1735.763	69.461	1514.683	2.58%	65.08%
22.0	1589.091	66.814	1581.497	2.48%	67.95%
23.0	1442.543	63.612	1645.109	2.36%	70.68%
24.0	1280.875	59.544	1704.652	2.21%	73.24%
25.0	1183.610	56.037	1760.689	2.08%	75.65%
26.0	1083.156	53.507	1814.197	1.99%	77.94%
27.0	983.346	50.557	1864.754	1.88%	80.12%
28.0	900.903	47.705	1912.459	1.77%	82.17%
29.0	812.980	44.840	1957.299	1.67%	84.09%
30.0	719.124	41.367	1998.666	1.54%	85.87%
31.0	619.739	37.259	2035.925	1.38%	87.47%
32.0	522.079	32.712	2068.636	1.21%	88.88%
33.0	428.919	28.017	2096.653	1.04%	90.08%
34.0	341.347	23.311	2119.964	0.87%	91.08%
35.0	275.268	19.150	2139.113	0.71%	91.90%
36.0	216.365	15.654	2154.767	0.58%	92.58%
37.0	142.875	11.716	2166.483	0.44%	93.08%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	101.288	8.150	2174.633	0.30%	93.43%
39.0	90.315	6.540	2181.173	0.24%	93.71%
40.0	84.426	6.094	2187.268	0.23%	93.97%
41.0	79.254	5.829	2193.096	0.22%	94.22%
42.0	74.799	5.597	2198.693	0.21%	94.46%
43.0	69.927	5.361	2204.054	0.20%	94.69%
44.0	65.501	5.111	2209.166	0.19%	94.91%
45.0	61.522	4.882	2214.047	0.18%	95.12%
46.0	57.871	4.669	2218.716	0.17%	95.32%
47.0	54.682	4.477	2223.193	0.17%	95.52%
48.0	51.697	4.300	2227.493	0.16%	95.70%
49.0	49.152	4.141	2231.635	0.15%	95.88%
50.0	46.833	4.002	2235.637	0.15%	96.05%
51.0	45.070	3.888	2239.525	0.14%	96.22%
52.0	43.541	3.802	2243.327	0.14%	96.38%
53.0	42.290	3.734	2247.061	0.14%	96.54%
54.0	41.288	3.684	2250.745	0.14%	96.70%
55.0	40.483	3.650	2254.395	0.14%	96.86%
56.0	39.847	3.630	2258.025	0.13%	97.01%
57.0	39.005	3.605	2261.63	0.13%	97.17%
58.0	37.908	3.557	2265.187	0.13%	97.32%
59.0	36.394	3.474	2268.66	0.13%	97.47%
60.0	34.404	3.345	2272.005	0.12%	97.61%
61.0	32.078	3.173	2275.178	0.12%	97.75%
62.0	29.583	2.971	2278.149	0.11%	97.88%
63.0	27.111	2.757	2280.906	0.10%	98.00%
64.0	24.835	2.549	2283.455	0.09%	98.11%
65.0	22.809	2.358	2285.813	0.09%	98.21%
66.0	21.105	2.191	2288.004	0.08%	98.30%
67.0	20.081	2.071	2290.075	0.08%	98.39%
68.0	19.481	2.004	2292.079	0.07%	98.48%
69.0	19.320	1.979	2294.058	0.07%	98.56%
70.0	19.422	1.990	2296.048	0.07%	98.65%
71.0	19.378	2.005	2298.054	0.07%	98.73%
72.0	19.151	2.003	2300.057	0.07%	98.82%
73.0	18.925	1.991	2302.048	0.07%	98.90%
74.0	18.844	1.986	2304.034	0.07%	98.99%
75.0	18.522	1.974	2306.008	0.07%	99.07%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.835	1.930	2307.938	0.07%	99.16%
77.0	17.396	1.878	2309.816	0.07%	99.24%
78.0	16.650	1.822	2311.639	0.07%	99.32%
79.0	15.940	1.751	2313.39	0.07%	99.39%
80.0	14.865	1.661	2315.051	0.06%	99.46%
81.0	13.811	1.551	2316.601	0.06%	99.53%
82.0	12.663	1.436	2318.037	0.05%	99.59%
83.0	12.026	1.342	2319.379	0.05%	99.65%
84.0	11.529	1.283	2320.662	0.05%	99.70%
85.0	11.031	1.231	2321.894	0.05%	99.76%
86.0	10.629	1.184	2323.078	0.04%	99.81%
87.0	10.351	1.148	2324.226	0.04%	99.86%
88.0	10.110	1.121	2325.347	0.04%	99.91%
89.0	9.963	1.100	2326.447	0.04%	99.95%
90.0	9.978	1.093	2327.54	0.04%	100.00%

Zonal flux distribution table

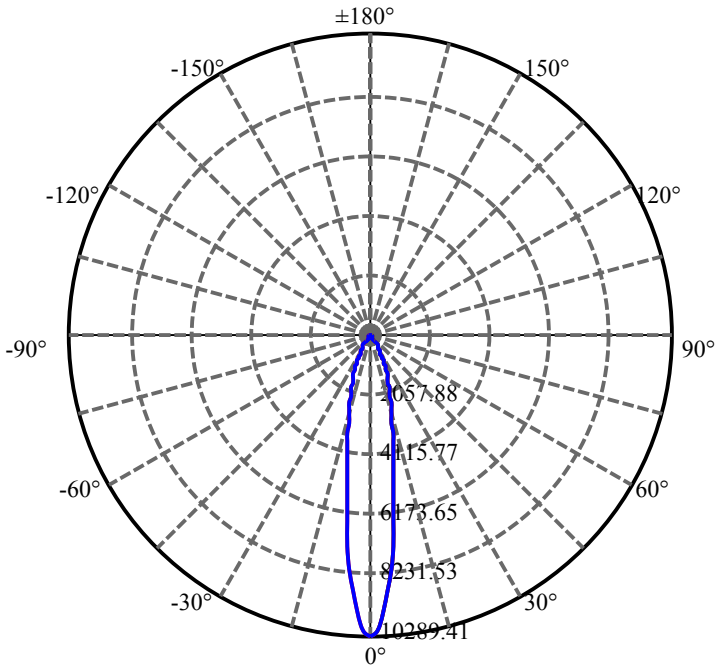
ZONAL LUMEN SUMMARY

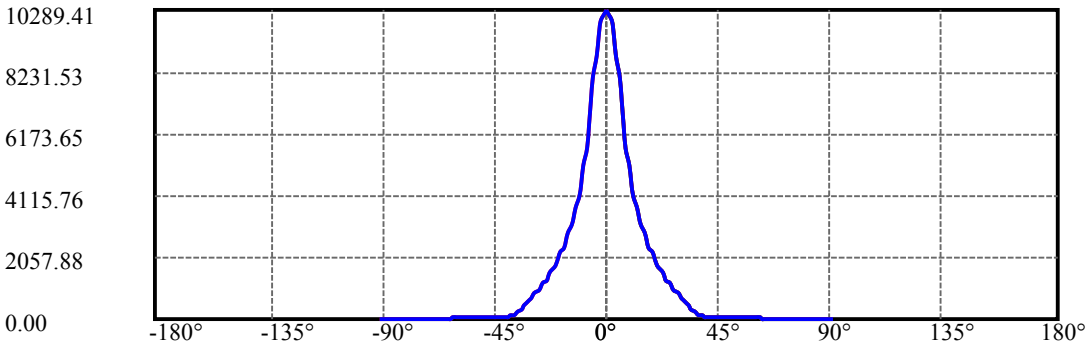
Zone	Lumens	%Lamp	%Fixt
0-30	1998.67	74.22%	85.87%
0-40	2187.27	81.22%	93.97%
0-60	2272.01	84.37%	97.61%
0-90	2326.45	86.39%	99.95%
0-120	2326.45	86.39%	99.95%
0-180	2327.54	86.43%	100.00%
60-90	54.44	2.02%	2.34%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.95	1862.03	69.14%	80.00%

ZONAL LUMEN SUMMARY

0-10	644.94
10-20	800.28
20-30	553.44
30-40	188.60
40-50	48.37
50-60	36.37
60-70	24.04
70-80	19.00
80-90	11.40
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):

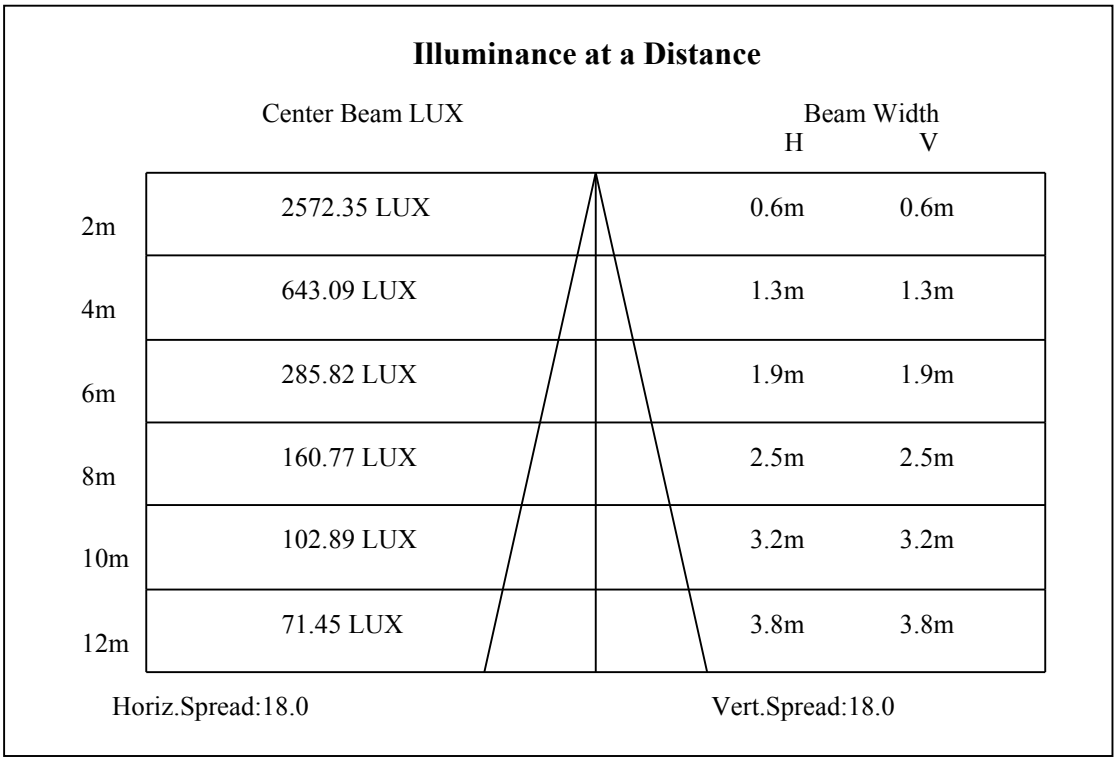
C0/C180:

C90/C270:

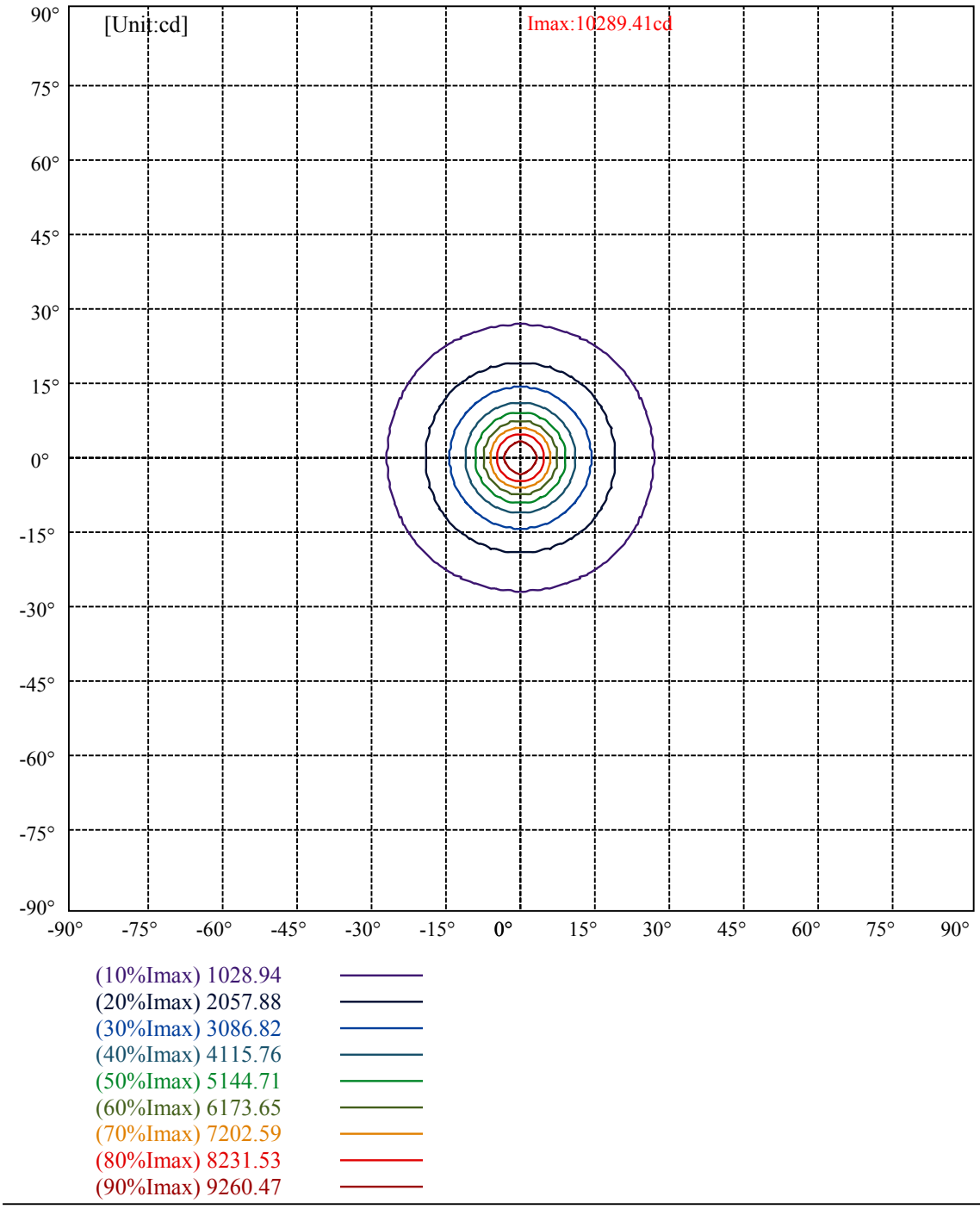
Field angle(10%Imax):C0/180Left:26.5 Right:26.5
:C90/270Left:26.5 Right:26.5

Beam Angle(50%Imax):C0/180Left:9.0 Right:9.0
:C90/270Left:9.0 Right:9.0

Lux distance Curve



ISO-Intensity(V-H)



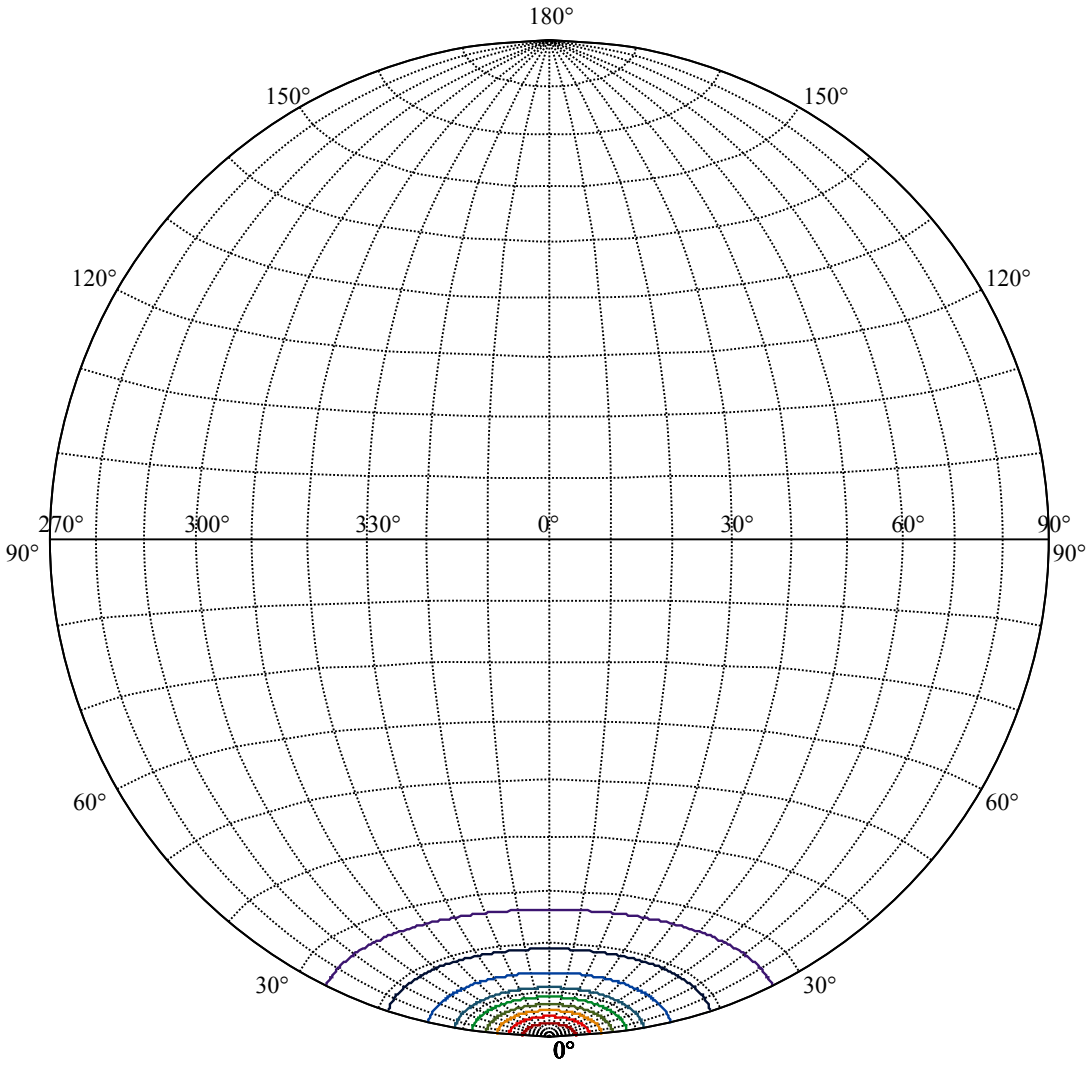
(10%Imax) 1028.94
(20%Imax) 2057.88
(30%Imax) 3086.82
(40%Imax) 4115.76
(50%Imax) 5144.71
(60%Imax) 6173.65
(70%Imax) 7202.59
(80%Imax) 8231.53
(90%Imax) 9260.47

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/21
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



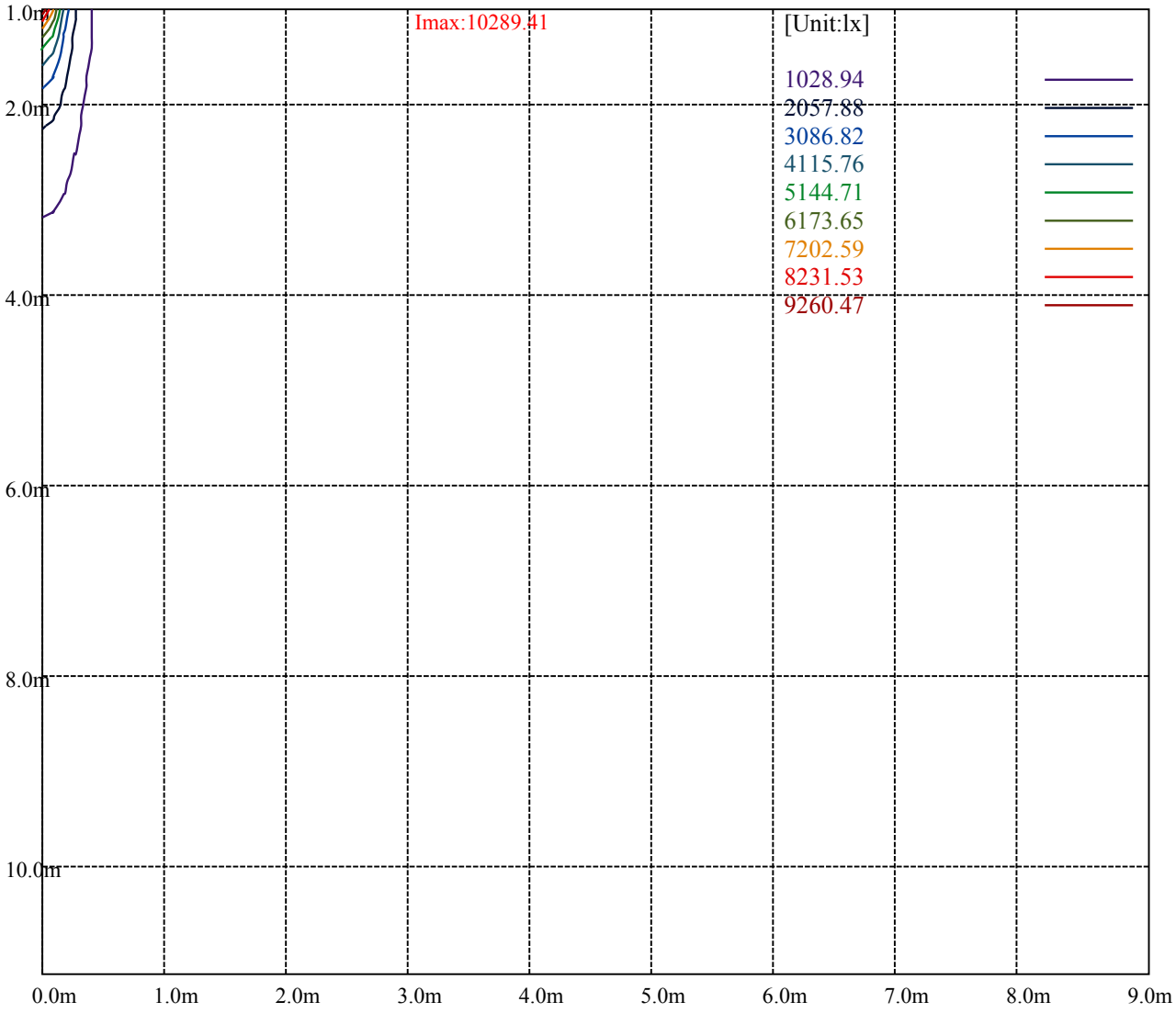
[Unit:cd]

Imax:10289.41

(10%Imax) 1028.94
(20%Imax) 2057.88
(30%Imax) 3086.82
(40%Imax) 4115.76
(50%Imax) 5144.71
(60%Imax) 6173.65
(70%Imax) 7202.59
(80%Imax) 8231.53
(90%Imax) 9260.47

Equipment: GMS1980	Date: 2024/3/21	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/21
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 3-2805-L

Luminance Limitting Curve(no luminous side)

Luminance Table

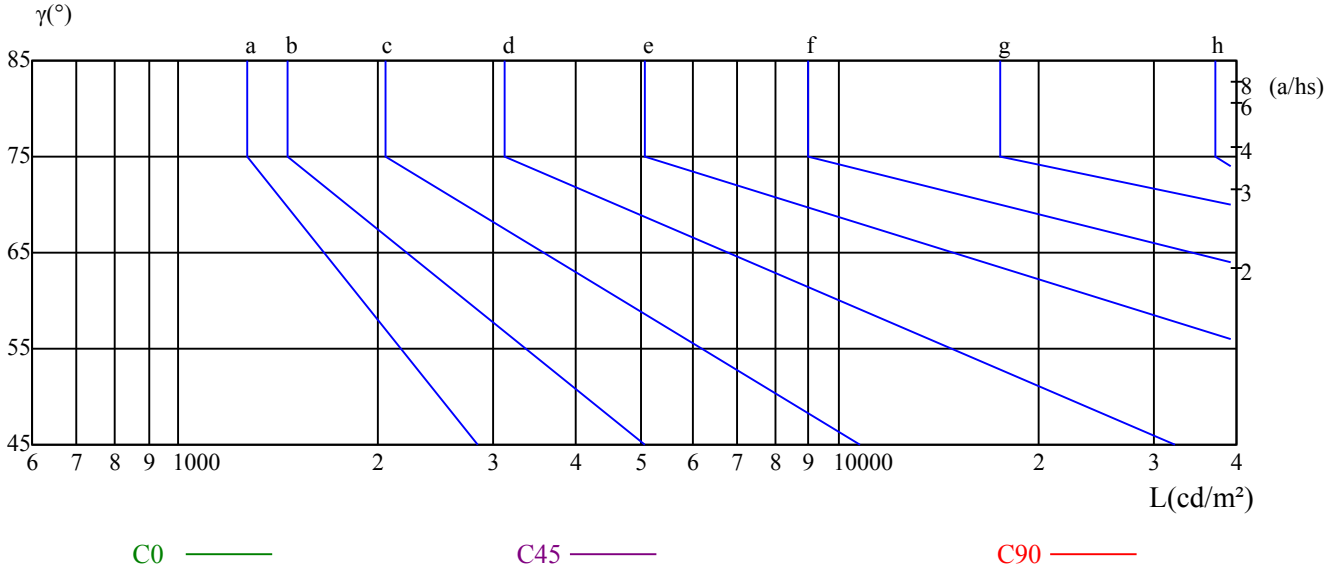
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

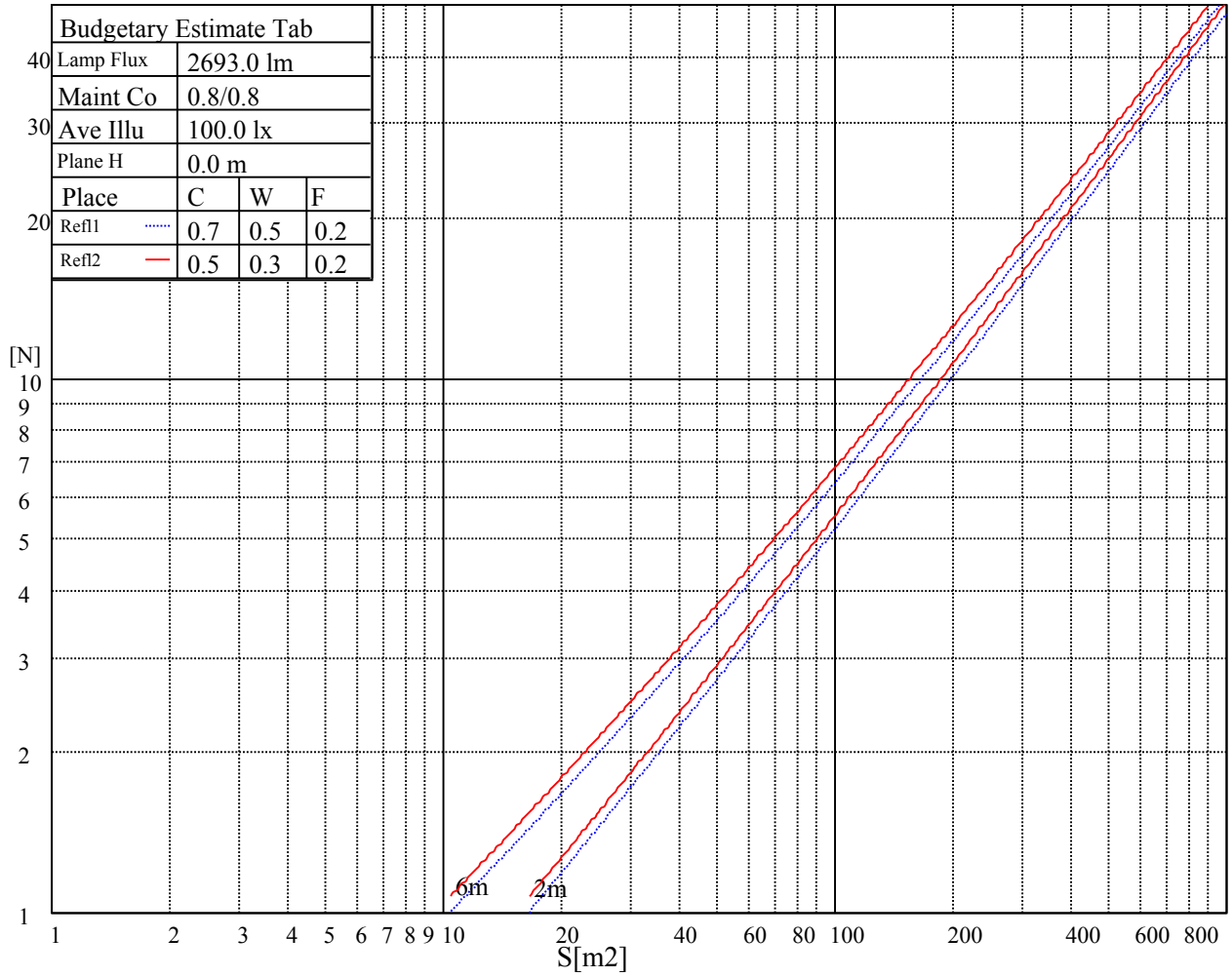
Luminance Limitting Curve



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 X Y	Viewed crosswise					Viewed endwise				
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
2H 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
2H 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
2H 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
2H 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
2H 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
4H 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 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
4H 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
4H 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
4H 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
8H 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 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
8H 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
12H 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
12H 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

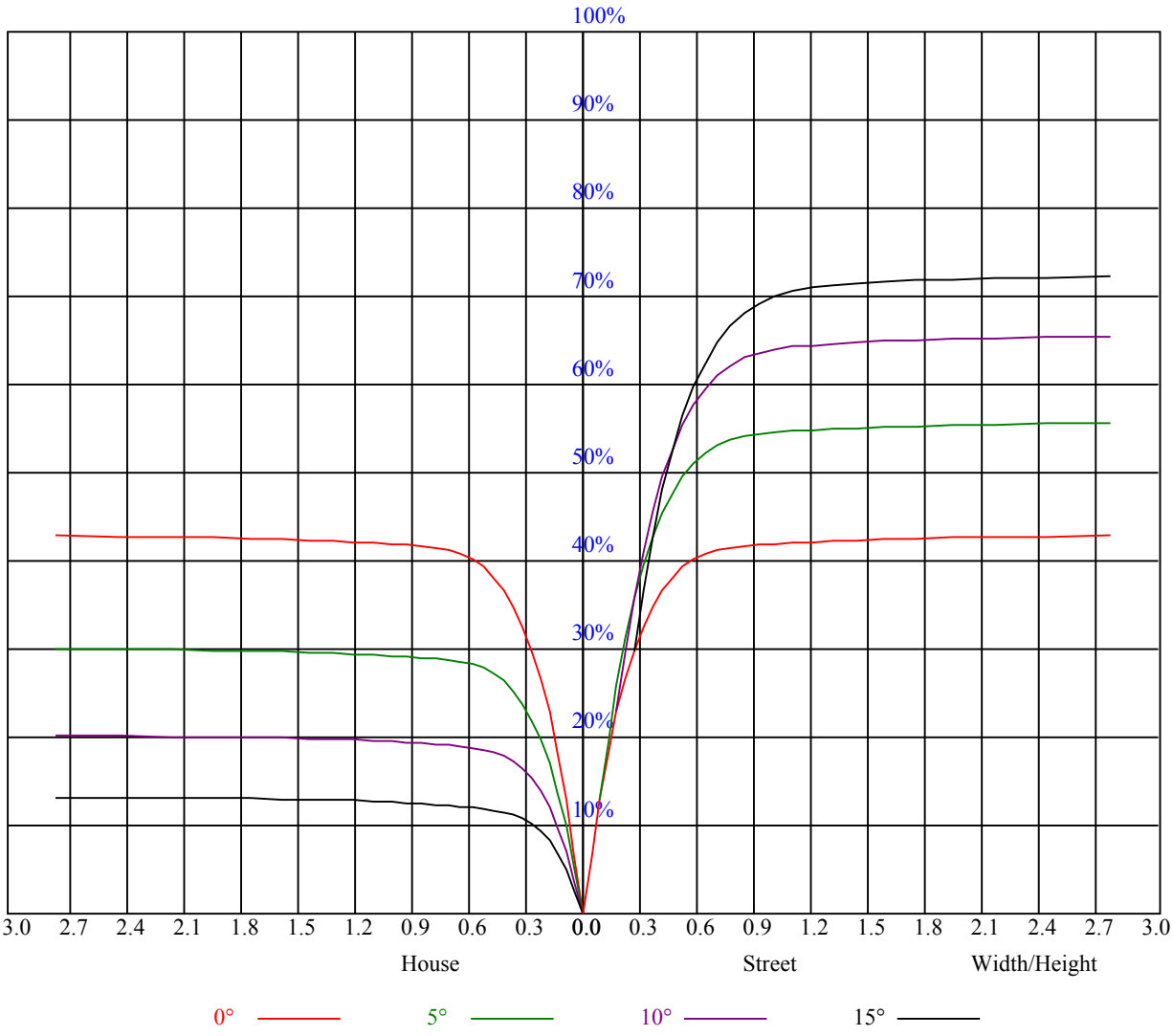


Equipment: GMS1980 Date: 2024/3/21 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

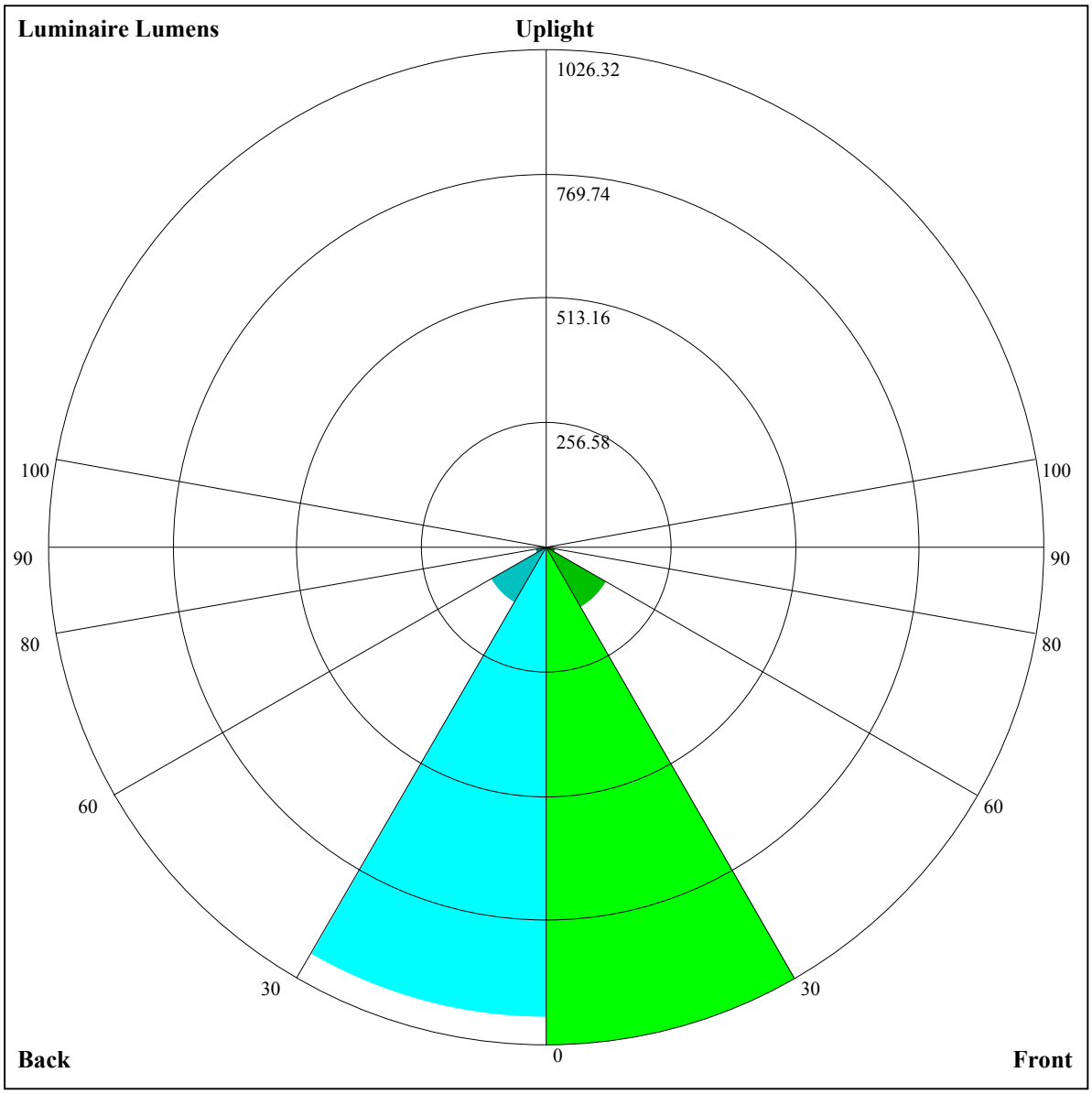
Utilization factor table for indoor luminaire

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	1.03	1.03	1.03	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.86
1	0.96	0.94	0.93	0.94	0.93	0.91	0.91	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.82
2	0.91	0.88	0.85	0.89	0.87	0.84	0.87	0.84	0.82	0.84	0.82	0.81	0.82	0.80	0.79	0.78
3	0.86	0.82	0.79	0.85	0.81	0.79	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.74
4	0.82	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.73	0.77	0.75	0.72	0.76	0.73	0.72	0.70
5	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.74	0.71	0.69	0.73	0.71	0.68	0.67
6	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.70	0.68	0.66	0.65
7	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
8	0.69	0.64	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60
9	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.58
10	0.64	0.60	0.57	0.63	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.62	0.59	0.56	0.56

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/21	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1026.32,FM=144.46,FH=21.49,FVH=6.33
BL=969.08,BM=131.56,BH=22.01,BVH=6.25
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	10373.76	10349.76	10151.37	9757.51	9062.27	8399.79	7703.38	6785.16	6061.82
45.0	10140.84	10336.30	10374.34	10136.16	9727.08	9004.92	8340.10	7623.20	6704.98
90.0	10320.50	10174.78	9817.79	9173.46	8528.54	7824.52	6916.25	6186.47	5507.61
135.0	10323.43	10281.29	10061.25	9528.69	8947.56	8279.24	7545.95	6609.59	5905.56
180.0	10373.76	10156.05	9779.17	9266.51	8481.14	7780.04	7029.78	6095.76	5423.34
225.0	10140.84	9777.41	9123.13	8500.45	7792.33	7040.32	6118.59	5451.43	4880.25
270.0	10318.75	10235.06	9964.10	9402.87	8822.91	8159.85	7433.59	6501.91	5800.81
315.0	10323.43	10187.07	9758.10	9246.61	8649.10	7792.91	7054.36	6134.39	5460.21
360.0	10373.76	10349.76	10151.37	9757.51	9062.27	8399.79	7703.38	6785.16	6061.82

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5389.98	4694.15	4247.62	3872.49	3472.20	3199.48	2943.16	2710.82	2453.91
45.0	5993.35	5325.61	4766.72	4207.24	3842.06	3528.38	3245.72	2929.69	2692.09
90.0	4918.29	4342.43	3958.52	3635.48	3352.81	3029.18	2792.75	2578.56	2333.94
135.0	5272.35	4627.43	4197.29	3750.77	3454.64	3179.00	2925.60	2642.93	2439.86
180.0	4875.57	4288.00	3905.85	3583.98	3294.88	2970.08	2740.08	2528.23	2338.62
225.0	4399.78	3909.36	3589.24	3236.94	2980.61	2748.28	2483.75	2296.48	2129.69
270.0	5189.83	4653.18	4206.07	3759.54	3455.23	3114.04	2869.42	2645.28	2394.80
315.0	4882.01	4415.00	3932.19	3608.56	3327.06	3064.88	2765.83	2552.81	2360.86
360.0	5389.98	4694.15	4247.62	3872.49	3472.20	3199.48	2943.16	2710.82	2453.91

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2271.90	2110.97	1962.32	1792.02	1665.61	1543.30	1300.43	1141.36	1141.36
45.0	2488.44	2261.37	2096.33	1945.35	1776.80	1649.81	1496.48	1374.17	1248.34
90.0	2168.32	2018.50	1844.10	1715.35	1554.42	1330.86	1166.59	1166.59	1056.57
135.0	2264.88	2102.77	1927.79	1796.70	1669.71	1509.94	1384.70	1254.78	1103.21
180.0	2127.94	1968.76	1830.64	1669.12	1545.64	1418.06	1254.20	1134.81	1020.69
225.0	1978.70	1806.06	1676.14	1547.39	1321.50	1155.70	1126.03	1030.76	959.13
270.0	2212.21	2046.01	1864.59	1730.57	1608.26	1483.02	1358.37	1206.21	1087.99
315.0	2181.78	1988.65	1851.13	1689.60	1570.80	1449.66	1160.21	1160.21	1047.96
360.0	2271.90	2110.97	1962.32	1792.02	1665.61	1543.30	1300.43	1141.36	1141.36

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1011.15	937.82	867.36	761.38	669.79	579.26	470.81	385.31	300.81
45.0	1122.52	1001.38	931.74	856.24	774.90	668.39	581.19	488.14	375.19
90.0	957.55	886.62	802.58	714.03	598.98	513.13	424.64	316.02	233.80
135.0	1011.91	938.17	835.17	746.81	656.68	543.15	451.27	362.31	300.86
180.0	951.05	875.56	781.92	659.02	564.22	474.68	389.82	306.13	306.13
225.0	866.66	777.65	662.71	569.13	478.48	368.28	287.99	217.82	145.08
270.0	996.70	909.50	828.15	739.78	622.15	529.69	416.74	332.47	313.15
315.0	949.23	880.53	794.21	706.60	592.72	500.07	408.90	322.58	227.13
360.0	1011.15	937.82	867.36	761.38	669.79	579.26	470.81	385.31	300.81

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	221.10	141.74	102.53	90.01	84.04	78.65	74.21	69.29	65.31
45.0	310.23	310.23	130.45	98.32	89.54	82.81	78.60	74.50	70.58
90.0	166.15	112.07	96.33	89.01	84.51	80.18	75.61	71.10	65.60
135.0	300.86	131.32	100.83	91.70	84.62	80.23	75.55	70.11	65.78
180.0	145.60	109.20	94.05	88.37	82.46	77.48	72.86	67.48	63.38
225.0	109.85	96.91	90.83	85.21	80.53	75.90	71.34	65.78	62.09
270.0	313.15	126.17	102.88	95.16	89.48	83.51	78.83	73.91	69.17
315.0	163.98	115.35	92.41	84.74	80.23	75.26	71.40	67.24	62.09
360.0	221.10	141.74	102.53	90.01	84.04	78.65	74.21	69.29	65.31

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	61.27	57.24	53.96	51.38	48.87	46.12	44.42	42.72	41.61
45.0	65.66	61.92	58.76	55.60	52.03	49.28	47.23	45.24	43.89
90.0	62.15	58.76	55.01	52.20	49.57	47.05	45.35	44.18	42.60
135.0	61.68	57.53	54.43	51.03	48.46	46.17	44.36	42.84	41.67
180.0	59.69	56.36	52.85	50.39	48.22	46.23	43.95	42.66	41.67
225.0	58.76	55.13	52.32	49.63	47.75	45.82	44.54	43.07	42.08
270.0	64.08	60.40	57.29	53.61	50.97	48.34	46.58	45.12	43.42
315.0	58.87	55.65	52.85	49.74	47.34	45.65	44.13	42.49	41.38
360.0	61.27	57.24	53.96	51.38	48.87	46.12	44.42	42.72	41.61

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	40.44	39.91	39.44	38.57	37.92	36.81	35.35	32.89	30.49
45.0	42.78	41.49	40.79	40.38	39.80	38.98	37.40	36.23	32.83
90.0	41.67	41.02	40.67	39.97	38.57	36.93	34.47	31.84	29.96
135.0	40.79	40.09	39.44	38.86	38.10	36.64	34.59	32.07	29.50
180.0	40.73	39.91	39.21	37.92	36.46	35.35	32.36	30.55	28.15
225.0	41.26	40.56	39.39	37.75	36.52	33.47	31.66	29.61	26.10
270.0	42.25	41.38	40.73	39.97	38.74	37.22	35.29	32.36	30.37
315.0	40.38	39.50	39.09	38.62	37.16	35.76	34.12	31.08	29.26
360.0	40.44	39.91	39.44	38.57	37.92	36.81	35.35	32.89	30.49

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	28.21	25.40	23.82	21.24	20.13	18.96	18.20	17.56	17.09
45.0	31.08	28.38	25.75	23.64	21.54	20.48	19.14	18.49	18.02
90.0	26.80	24.76	22.41	21.07	20.13	20.01	20.72	21.48	21.48
135.0	26.80	24.70	22.94	20.66	19.66	18.67	18.02	17.32	16.85
180.0	25.63	23.53	21.59	20.60	19.78	19.72	20.01	20.72	21.65
225.0	24.58	22.41	21.13	20.07	19.72	19.78	20.48	21.30	21.95
270.0	27.62	25.05	23.00	21.13	20.19	19.72	20.31	21.36	21.48
315.0	26.16	24.46	21.83	20.42	19.49	18.49	17.67	17.15	16.50
360.0	28.21	25.40	23.82	21.24	20.13	18.96	18.20	17.56	17.09

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.91	16.68	16.33	15.98	15.68	15.27	14.81	14.34	13.87
45.0	17.85	17.85	17.91	17.67	17.62	17.44	16.91	16.56	15.63
90.0	20.66	20.13	20.25	20.01	18.55	18.32	17.56	16.62	15.74
135.0	16.44	15.86	15.45	15.10	14.57	14.28	13.93	13.52	13.17
180.0	22.12	22.36	22.36	22.12	21.54	20.42	19.61	18.61	16.50
225.0	22.36	22.65	22.88	22.65	21.83	20.95	19.37	17.56	14.92
270.0	20.83	20.31	20.54	20.01	18.61	18.67	17.62	17.21	16.39
315.0	16.04	15.57	15.04	14.63	14.28	13.81	13.40	13.11	12.70
360.0	16.91	16.68	16.33	15.98	15.68	15.27	14.81	14.34	13.87

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.46	12.93	12.35	11.47	11.12	10.77	10.42	10.24	10.07
45.0	15.04	14.22	13.28	12.23	11.47	11.12	10.71	10.36	10.12
90.0	14.92	12.41	11.76	11.41	11.12	10.59	10.36	10.12	9.89
135.0	12.76	12.41	12.06	11.76	11.24	10.65	10.30	10.12	9.89
180.0	14.22	12.23	11.82	11.53	10.77	10.36	10.18	9.89	9.95
225.0	12.52	11.82	11.41	11.06	10.53	10.30	10.18	9.95	10.01
270.0	15.27	13.34	11.88	11.47	11.06	10.65	10.36	10.12	9.89
315.0	12.29	11.94	11.65	11.29	10.94	10.59	10.30	10.07	9.89
360.0	13.46	12.93	12.35	11.47	11.12	10.77	10.42	10.24	10.07

Intensity data(cd)

C/γ(°)	90.0
0.0	9.95
45.0	10.07
90.0	9.95
135.0	9.95
180.0	9.95
225.0	9.95
270.0	10.01
315.0	10.01
360.0	9.95