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NT

Client:
LumCAT: 2-2688-L
Luminaire: 92.70.412.00
Report No: 2024315-B004
Ballast type: AC

Test No: 2024315-C004	Voltage(V): 34.620
LampCAT: BRIDGELUX V13B LES13	Current(A): 0.450
Lamp flux(lm): 2626.0	Power (W): 15.579
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2153.81, Efficiency(%): 82.02% , Luminous Efficacy(lm/W): 138.25
Central intensity(cd): 5266.499, Maximum intensity(cd): 5266.499
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=35.2
[C90/270]Total=35.2
Field angle(10%Imax): [C0/180]Total=60.8
[C90/270]Total=60.8
Maximum s/h(1/2): C0_180=0.58 C90_270=0.58
Maximum s/h(1/4): C0_180=0.58 C90_270=0.58
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 82.02%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.752%

NT 2-2688-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5266.498	0.000	0	0.00%	0.00%
1.0	5260.427	5.037	5.037	0.19%	0.23%
2.0	5241.480	15.073	20.11	0.57%	0.93%
3.0	5212.292	25.002	45.112	0.95%	2.09%
4.0	5161.670	34.725	79.837	1.32%	3.71%
5.0	5097.734	44.135	123.973	1.68%	5.76%
6.0	5009.950	53.119	177.091	2.02%	8.22%
7.0	4891.223	61.456	238.548	2.34%	11.08%
8.0	4743.453	68.954	307.501	2.63%	14.28%
9.0	4574.836	75.520	383.021	2.88%	17.78%
10.0	4395.391	81.177	464.198	3.09%	21.55%
11.0	4179.955	85.685	549.883	3.26%	25.53%
12.0	3969.054	89.080	638.964	3.39%	29.67%
13.0	3730.136	91.370	730.334	3.48%	33.91%
14.0	3488.073	92.392	822.726	3.52%	38.20%
15.0	3253.910	92.557	915.283	3.52%	42.50%
16.0	3004.457	91.703	1006.986	3.49%	46.75%
17.0	2762.394	89.805	1096.791	3.42%	50.92%
18.0	2528.669	87.238	1184.029	3.32%	54.97%
19.0	2319.378	84.346	1268.375	3.21%	58.89%
20.0	2079.875	80.519	1348.894	3.07%	62.63%
21.0	1873.803	75.919	1424.813	2.89%	66.15%
22.0	1687.847	71.573	1496.385	2.73%	69.48%
23.0	1478.417	66.437	1562.822	2.53%	72.56%
24.0	1314.971	61.073	1623.896	2.33%	75.40%
25.0	1179.462	56.718	1680.614	2.16%	78.03%
26.0	1061.964	52.909	1733.523	2.01%	80.49%
27.0	926.967	48.660	1782.182	1.85%	82.75%
28.0	802.461	43.785	1825.968	1.67%	84.78%
29.0	686.857	38.965	1864.933	1.48%	86.59%
30.0	571.041	33.963	1898.896	1.29%	88.16%
31.0	465.554	28.847	1927.743	1.10%	89.50%
32.0	371.910	23.992	1951.735	0.91%	90.62%
33.0	297.741	19.728	1971.463	0.75%	91.53%
34.0	229.467	15.955	1987.418	0.61%	92.27%
35.0	184.456	12.855	2000.273	0.49%	92.87%
36.0	126.826	9.911	2010.184	0.38%	93.33%
37.0	108.815	7.685	2017.869	0.29%	93.69%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	97.367	6.882	2024.751	0.26%	94.01%
39.0	88.135	6.332	2031.083	0.24%	94.30%
40.0	79.839	5.858	2036.941	0.22%	94.57%
41.0	73.343	5.455	2042.396	0.21%	94.83%
42.0	67.294	5.110	2047.506	0.19%	95.06%
43.0	61.595	4.774	2052.28	0.18%	95.29%
44.0	56.803	4.469	2056.749	0.17%	95.49%
45.0	52.846	4.214	2060.963	0.16%	95.69%
46.0	49.093	3.987	2064.949	0.15%	95.87%
47.0	45.691	3.770	2068.719	0.14%	96.05%
48.0	42.846	3.579	2072.298	0.14%	96.22%
49.0	40.139	3.408	2075.706	0.13%	96.37%
50.0	37.879	3.253	2078.959	0.12%	96.52%
51.0	35.830	3.119	2082.078	0.12%	96.67%
52.0	34.053	2.999	2085.076	0.11%	96.81%
53.0	32.407	2.891	2087.967	0.11%	96.94%
54.0	30.673	2.780	2090.748	0.11%	97.07%
55.0	29.210	2.673	2093.421	0.10%	97.20%
56.0	27.820	2.577	2095.998	0.10%	97.32%
57.0	26.474	2.482	2098.48	0.09%	97.43%
58.0	25.165	2.388	2100.868	0.09%	97.54%
59.0	23.987	2.298	2103.166	0.09%	97.65%
60.0	22.809	2.211	2105.377	0.08%	97.75%
61.0	21.807	2.129	2107.506	0.08%	97.85%
62.0	20.878	2.057	2109.563	0.08%	97.95%
63.0	20.000	1.988	2111.551	0.08%	98.04%
64.0	19.356	1.931	2113.482	0.07%	98.13%
65.0	18.756	1.886	2115.368	0.07%	98.22%
66.0	18.325	1.850	2117.218	0.07%	98.30%
67.0	17.981	1.826	2119.044	0.07%	98.39%
68.0	17.747	1.810	2120.854	0.07%	98.47%
69.0	17.718	1.809	2122.663	0.07%	98.55%
70.0	17.915	1.830	2124.493	0.07%	98.64%
71.0	18.142	1.864	2126.357	0.07%	98.73%
72.0	18.500	1.905	2128.262	0.07%	98.81%
73.0	18.617	1.941	2130.203	0.07%	98.90%
74.0	18.237	1.938	2132.141	0.07%	98.99%
75.0	17.652	1.896	2134.037	0.07%	99.08%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.198	1.850	2135.887	0.07%	99.17%
77.0	16.489	1.796	2137.683	0.07%	99.25%
78.0	15.552	1.715	2139.398	0.07%	99.33%
79.0	14.514	1.615	2141.013	0.06%	99.41%
80.0	13.241	1.496	2142.51	0.06%	99.48%
81.0	12.012	1.366	2143.875	0.05%	99.54%
82.0	11.149	1.256	2145.131	0.05%	99.60%
83.0	10.775	1.192	2146.323	0.05%	99.65%
84.0	10.476	1.158	2147.481	0.04%	99.71%
85.0	10.124	1.124	2148.605	0.04%	99.76%
86.0	9.824	1.090	2149.696	0.04%	99.81%
87.0	9.481	1.057	2150.752	0.04%	99.86%
88.0	9.305	1.029	2151.781	0.04%	99.91%
89.0	9.210	1.015	2152.796	0.04%	99.95%
90.0	9.210	1.010	2153.806	0.04%	100.00%

Zonal flux distribution table

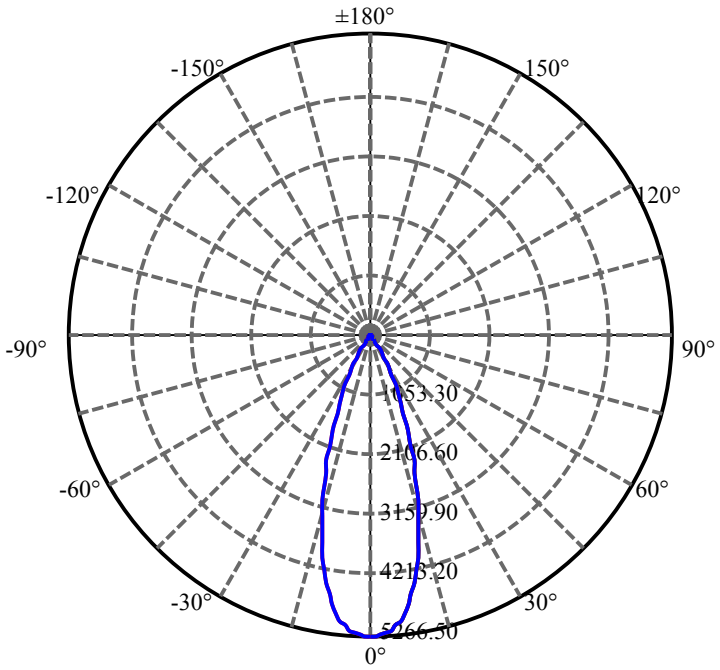
ZONAL LUMEN SUMMARY

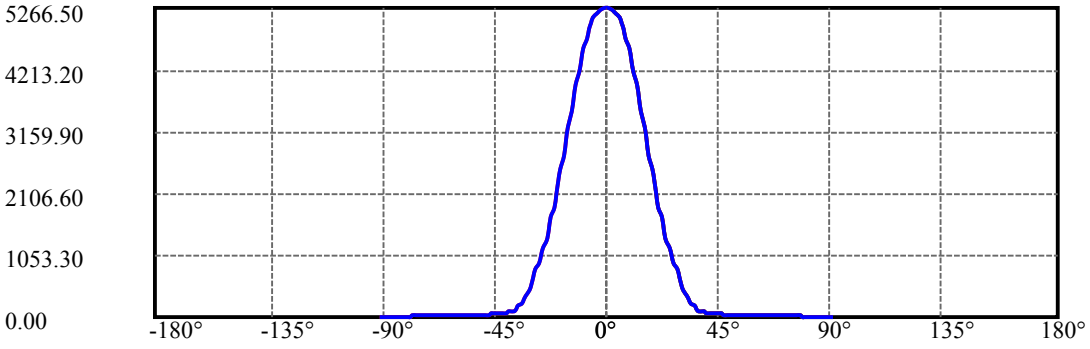
Zone	Lumens	%Lamp	%Fixt
0-30	1898.90	72.31%	88.16%
0-40	2036.94	77.57%	94.57%
0-60	2105.38	80.17%	97.75%
0-90	2152.80	81.98%	99.95%
0-120	2152.80	81.98%	99.95%
0-180	2153.81	82.02%	100.00%
60-90	47.42	1.81%	2.20%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.80	1723.05	65.61%	80.00%

ZONAL LUMEN SUMMARY

0-10	464.20
10-20	884.70
20-30	550.00
30-40	138.05
40-50	42.02
50-60	26.42
60-70	19.12
70-80	18.02
80-90	10.29
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):

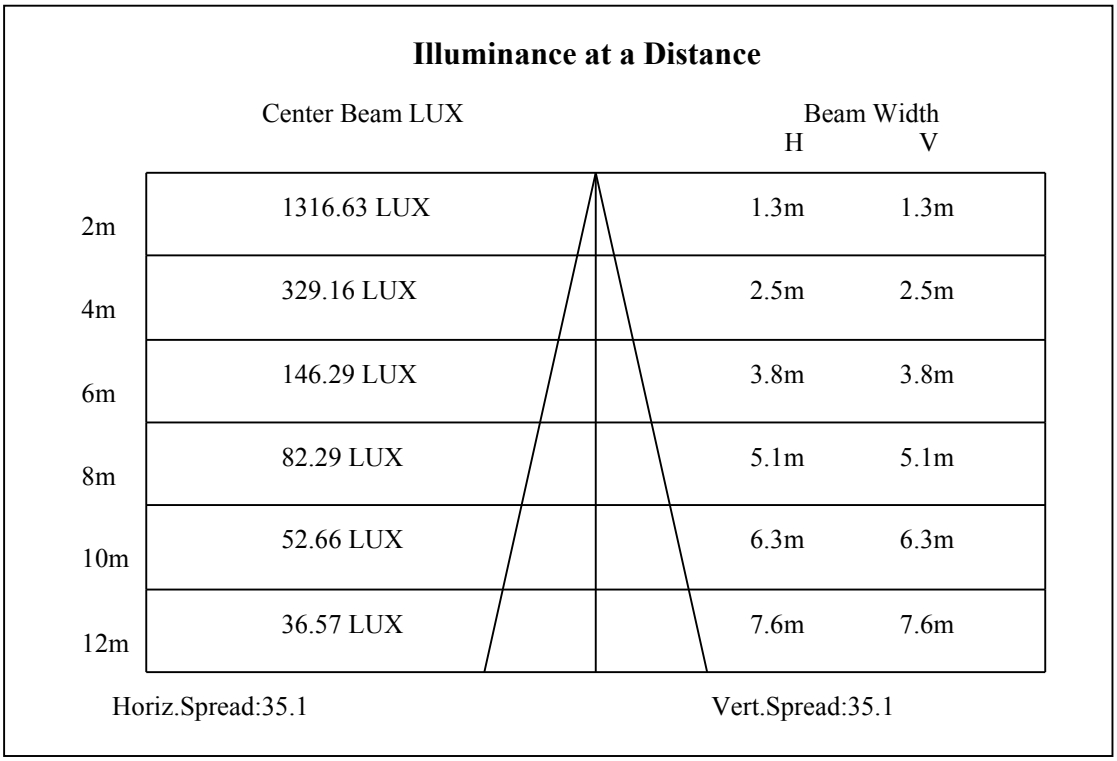
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:30.4 Right:30.4
:C90/270Left:30.4 Right:30.4

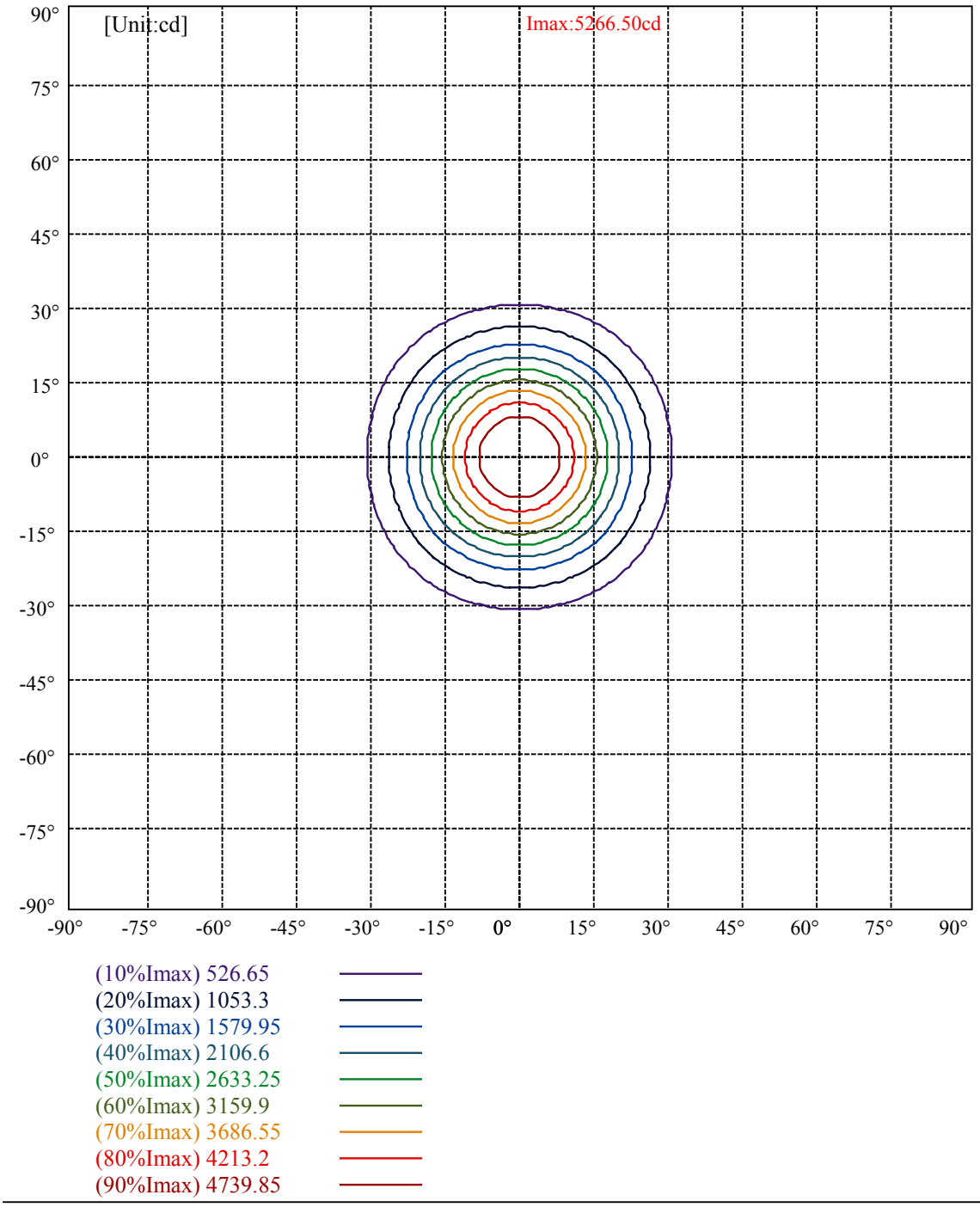
Beam Angle(50%Imax):C0/180Left:17.6 Right:17.6
:C90/270Left:17.6 Right:17.6

Lux distance Curve



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

ISO-Intensity(V-H)

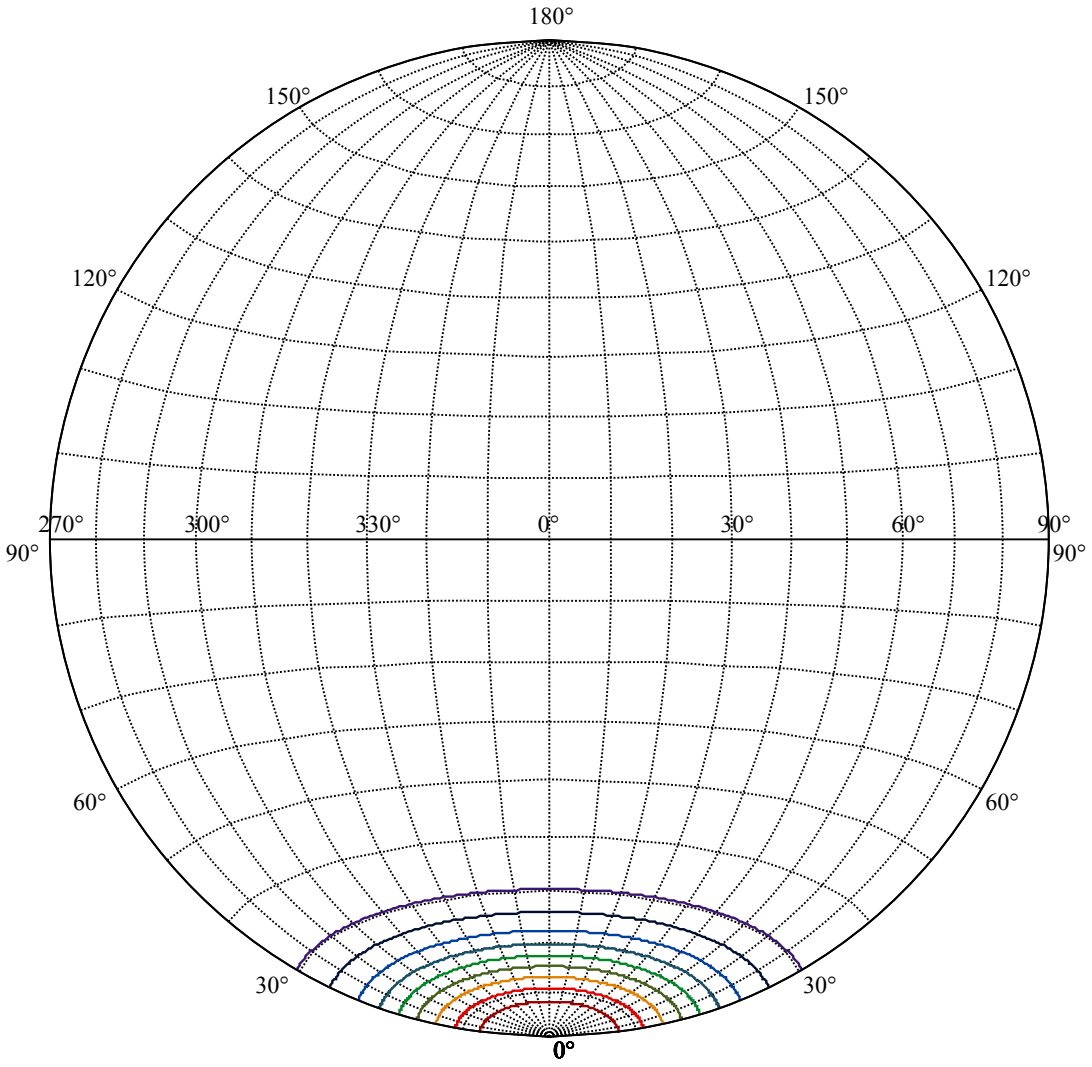


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



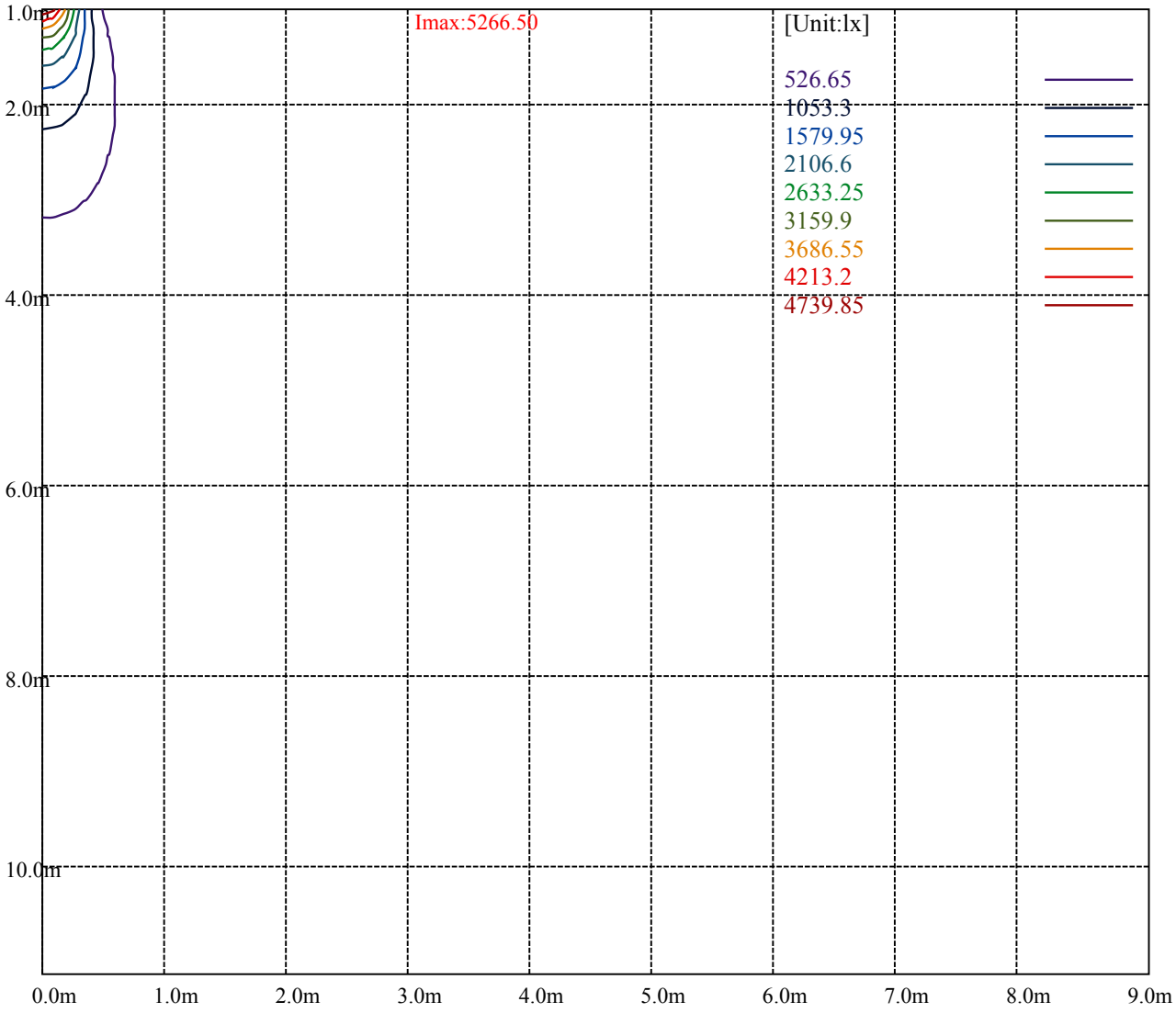
House [Unit:cd] Road

Imax:5266.50

(10%Imax) 526.65
(20%Imax) 1053.3
(30%Imax) 1579.95
(40%Imax) 2106.6
(50%Imax) 2633.25
(60%Imax) 3159.9
(70%Imax) 3686.55
(80%Imax) 4213.2
(90%Imax) 4739.85

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

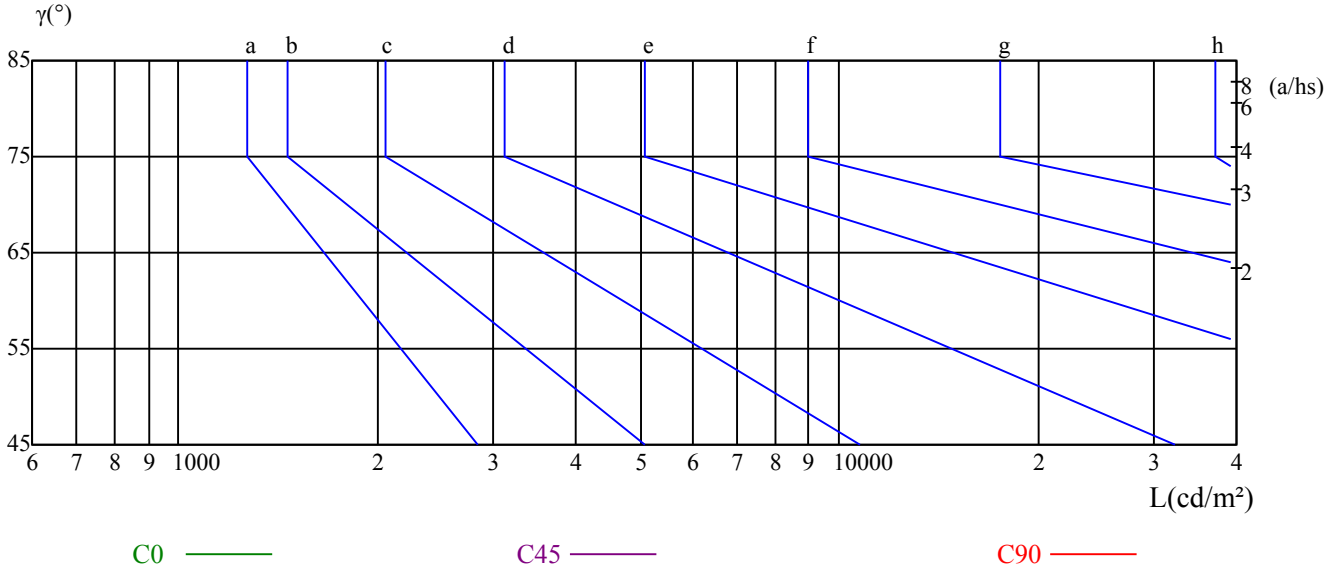
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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
Temperature(°C): 25.0

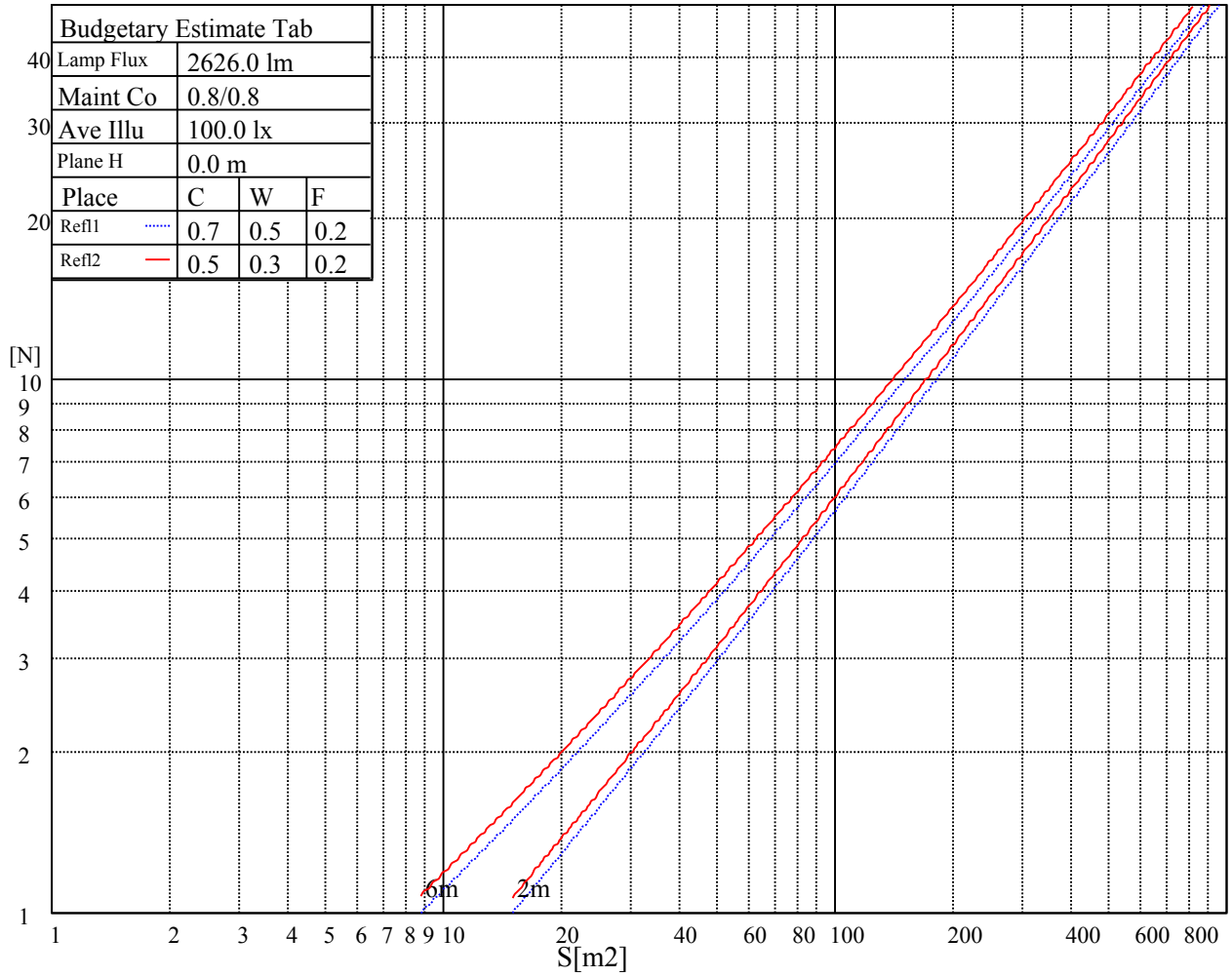
Date: 2024/3/15
Humidity(%): 60.0%

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

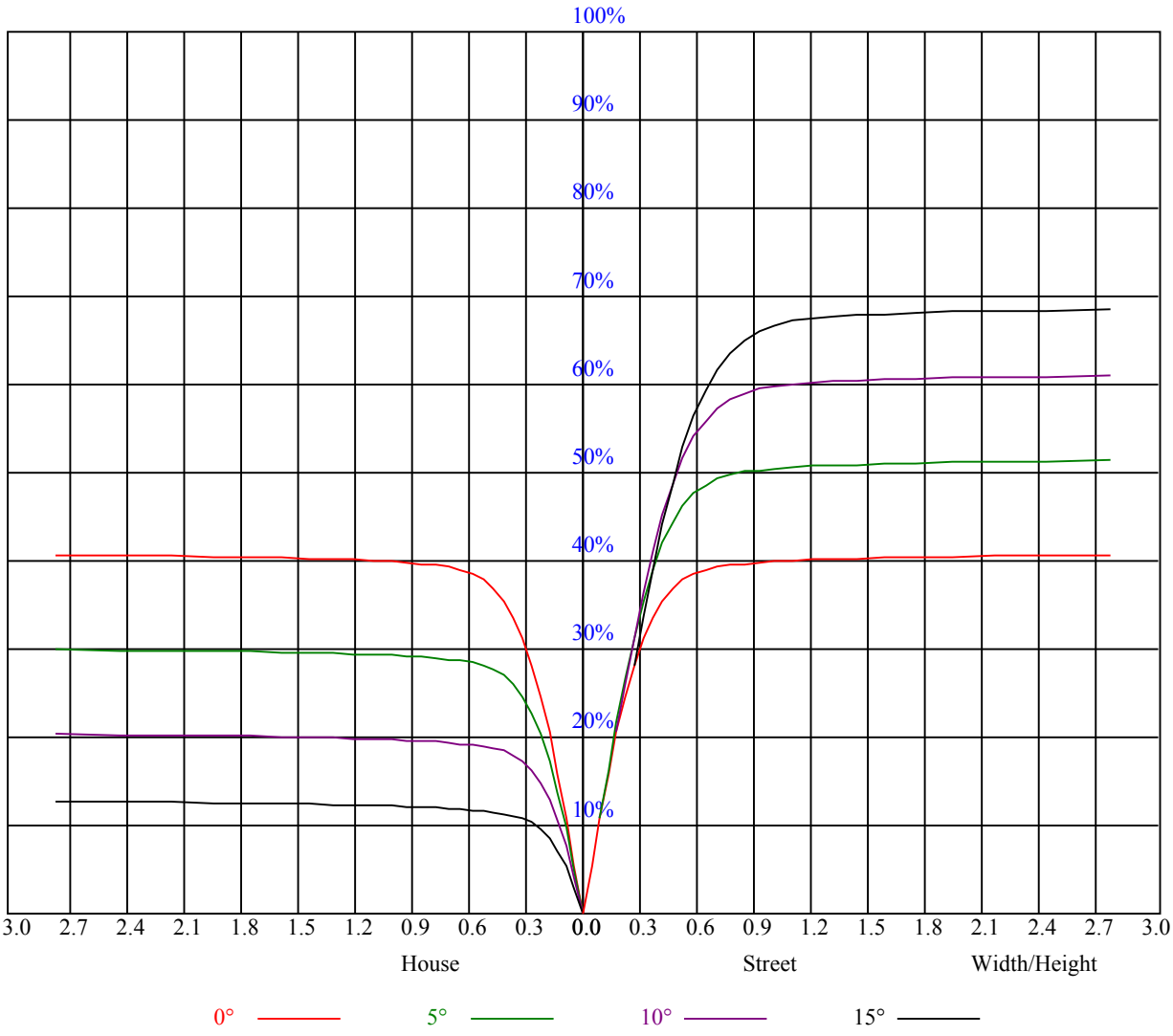


Equipment: GMS1980 Date: 2024/3/15 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

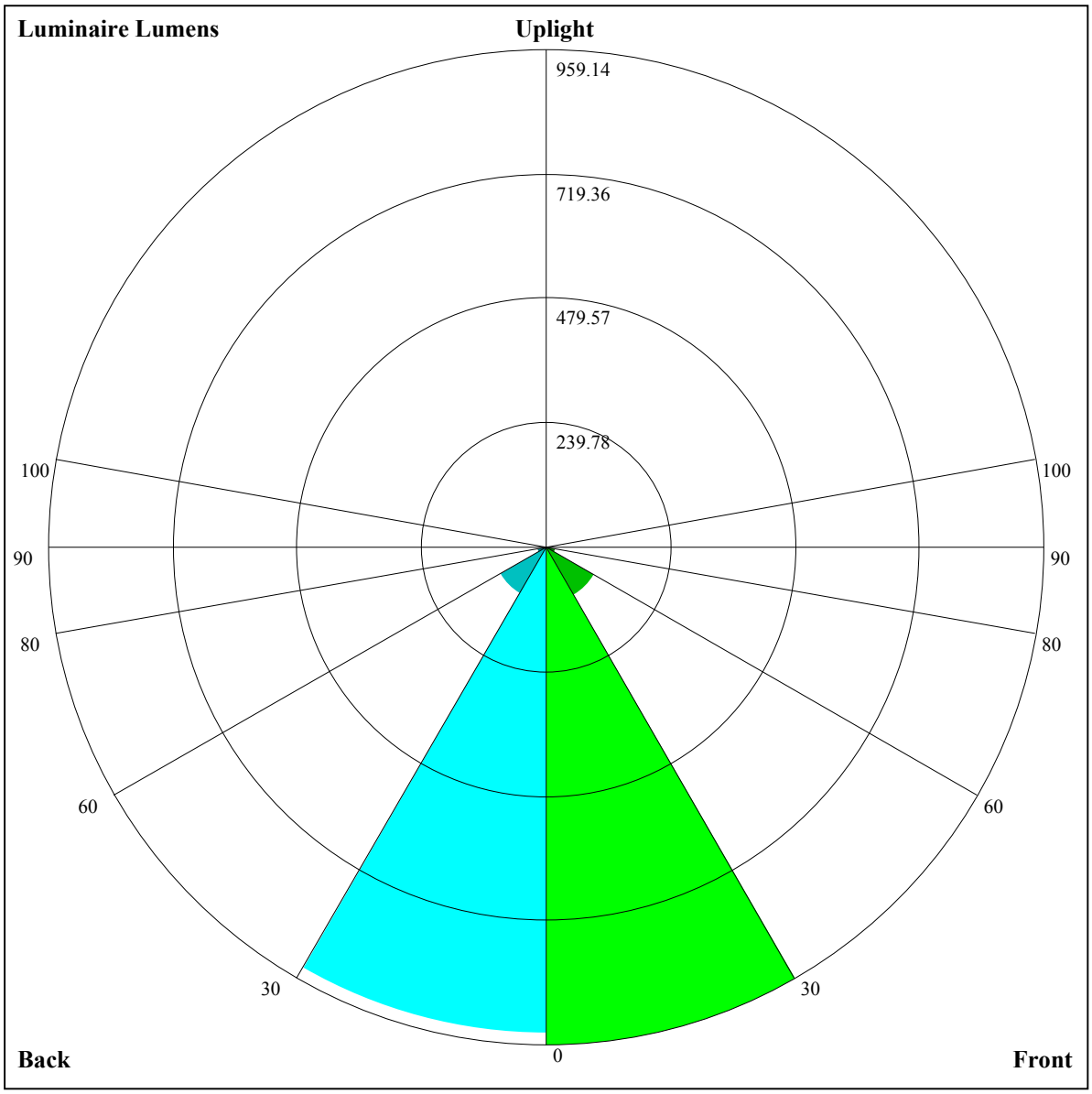
Utilization factor table for indoor luminaire

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	0.98	0.98	0.98	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.84	0.84	0.84	0.82
1	0.91	0.89	0.88	0.90	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.77
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	0.77	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	0.73	0.71	0.70
4	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.69	0.73	0.70	0.68	0.72	0.69	0.68	0.66
5	0.74	0.70	0.67	0.73	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.69	0.67	0.65	0.63
6	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.67	0.64	0.62	0.66	0.64	0.62	0.61
7	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.58
8	0.64	0.60	0.58	0.64	0.60	0.57	0.63	0.60	0.57	0.62	0.59	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	0.57	0.55	0.60	0.57	0.55	0.60	0.57	0.55	0.54
10	0.60	0.56	0.53	0.59	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: 2024/3/15	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=959.14,FM=106.9,FH=17.34,FVH=5.61
BL=938.62,BM=104.58,BH=18.82,BVH=5.71
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	5278.79	5270.01	5254.21	5224.36	5161.74	5086.83	4980.91	4855.09	4667.81
45.0	5274.11	5280.54	5265.91	5244.84	5205.05	5154.72	5073.96	4975.64	4820.56
90.0	5261.23	5237.24	5203.88	5158.23	5075.71	4978.57	4859.18	4683.03	4516.83
135.0	5251.87	5234.90	5205.05	5169.35	5093.27	5005.49	4890.20	4752.67	4561.30
180.0	5278.79	5277.62	5261.82	5238.41	5192.76	5145.36	5078.06	4962.77	4831.09
225.0	5274.11	5258.89	5224.95	5188.66	5139.50	5054.65	4961.60	4844.55	4704.68
270.0	5261.23	5264.74	5261.82	5240.75	5216.17	5181.64	5136.58	5043.53	4943.45
315.0	5251.87	5259.48	5254.21	5233.73	5209.15	5174.62	5099.12	5012.51	4901.90
360.0	5278.79	5270.01	5254.21	5224.36	5161.74	5086.83	4980.91	4855.09	4667.81

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4490.49	4294.44	4041.04	3826.26	3550.03	3324.14	3091.22	2863.56	2589.68
45.0	4666.64	4490.49	4303.22	4053.91	3840.89	3610.90	3317.70	3085.36	2860.05
90.0	4331.89	4134.67	3870.15	3647.18	3421.87	3136.86	2908.04	2687.41	2472.63
135.0	4388.66	4196.71	3947.40	3735.55	3511.41	3224.65	2993.48	2714.33	2501.31
180.0	4634.46	4478.79	4293.85	4091.95	3838.55	3629.62	3403.14	3162.61	2888.73
225.0	4498.10	4314.92	4122.38	3923.99	3651.28	3427.14	3204.17	2926.18	2705.55
270.0	4820.56	4688.30	4482.30	4287.42	4041.62	3835.62	3621.43	3328.82	3097.65
315.0	4767.89	4564.81	4379.30	4186.17	3985.44	3715.65	3492.10	3267.37	2983.54
360.0	4490.49	4294.44	4041.04	3826.26	3550.03	3324.14	3091.22	2863.56	2589.68

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2379.58	2175.34	1974.61	1731.15	1556.76	1308.04	1145.99	1145.99	979.20
45.0	2589.09	2377.24	2171.83	1923.11	1730.57	1557.34	1410.45	1247.76	1110.23
90.0	2213.96	2012.65	1770.36	1588.94	1439.71	1141.89	1141.89	1005.36	875.15
135.0	2295.31	2097.50	1855.22	1667.36	1501.16	1363.63	1203.28	1068.68	935.25
180.0	2673.95	2462.10	2189.97	2002.70	1817.18	1583.68	1423.91	1256.54	1135.98
225.0	2435.18	2223.91	2020.84	1824.79	1597.14	1441.47	1145.69	1145.69	1015.37
270.0	2882.88	2665.76	2380.17	2180.61	1986.90	1790.26	1562.61	1408.70	1287.55
315.0	2759.39	2540.52	2276.00	2071.76	1873.36	1641.03	1485.94	1156.99	1156.99
360.0	2379.58	2175.34	1974.61	1731.15	1556.76	1308.04	1145.99	1145.99	979.20

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	853.90	713.62	609.69	513.77	399.71	313.62	236.84	162.28	129.98
45.0	982.07	857.41	712.28	605.77	506.86	392.74	307.89	307.89	160.76
90.0	723.34	616.65	518.45	427.16	319.88	242.40	178.84	137.64	115.64
135.0	779.58	667.22	563.63	443.66	355.88	296.77	296.77	143.67	119.15
180.0	1000.79	871.46	753.83	623.91	526.18	427.86	340.07	300.28	300.28
225.0	893.93	774.90	664.93	534.31	437.34	347.86	251.35	189.03	144.49
270.0	1121.93	985.58	857.41	718.13	609.86	484.62	393.33	301.45	301.45
315.0	1060.19	932.85	814.63	701.63	568.72	469.41	376.83	293.49	203.89
360.0	853.90	713.62	609.69	513.77	399.71	313.62	236.84	162.28	129.98

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	114.59	102.88	91.12	83.51	75.08	70.58	63.97	58.29	54.25
45.0	128.22	114.00	99.90	90.94	83.22	76.55	69.06	63.85	59.11
90.0	104.52	94.81	84.86	78.19	70.64	65.25	60.45	56.30	51.68
135.0	107.27	94.92	86.79	79.71	73.45	66.66	61.86	57.59	52.79
180.0	135.07	112.77	102.06	90.83	83.28	76.55	70.46	63.73	59.17
225.0	118.16	106.39	96.33	86.03	78.83	72.28	66.36	59.93	55.54
270.0	154.62	125.41	111.43	100.19	89.19	81.11	74.67	68.30	61.92
315.0	152.16	119.33	106.45	95.68	85.03	77.78	71.51	64.78	59.99
360.0	114.59	102.88	91.12	83.51	75.08	70.58	63.97	58.29	54.25

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	50.56	47.34	43.89	41.38	39.09	36.52	34.82	33.12	31.54
45.0	55.01	50.39	47.17	44.36	40.97	38.80	36.23	34.53	32.89
90.0	48.28	45.30	42.66	39.80	37.69	35.87	33.88	32.36	30.90
135.0	49.39	46.35	43.13	40.79	38.22	36.34	34.70	33.12	31.66
180.0	54.95	50.45	47.29	44.54	42.08	39.27	37.34	35.52	33.88
225.0	51.56	48.05	44.30	41.67	38.86	36.81	34.88	32.83	31.31
270.0	57.24	52.96	48.52	45.35	41.90	39.50	37.40	35.46	33.24
315.0	55.77	51.91	48.57	44.89	42.31	39.91	37.40	35.46	33.83
360.0	50.56	47.34	43.89	41.38	39.09	36.52	34.82	33.12	31.54

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	30.14	28.56	27.21	25.93	24.46	23.41	22.30	21.13	20.37
45.0	31.02	29.61	28.38	26.98	25.40	24.29	23.17	22.12	21.01
90.0	29.20	27.80	26.39	24.99	23.88	22.71	21.42	20.66	19.78
135.0	29.85	28.56	27.27	25.98	24.64	23.58	22.24	21.36	20.60
180.0	31.89	30.43	28.79	27.51	26.28	24.87	23.82	22.88	21.89
225.0	29.79	28.15	26.92	25.69	24.46	23.23	22.18	21.30	20.48
270.0	31.72	30.26	28.91	27.39	26.10	24.93	23.82	22.59	21.54
315.0	31.78	30.31	28.68	27.33	26.10	24.87	23.53	22.41	21.36
360.0	30.14	28.56	27.21	25.93	24.46	23.41	22.30	21.13	20.37

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.55	18.61	17.97	17.44	16.91	16.56	16.85	17.44	17.97
45.0	20.19	19.37	18.38	17.85	17.38	17.50	18.02	18.55	18.02
90.0	19.02	18.32	17.56	16.91	16.39	15.74	15.27	14.75	14.34
135.0	19.55	19.02	18.38	17.73	17.26	17.09	17.62	18.61	19.55
180.0	20.95	20.25	19.55	19.08	18.79	18.67	18.67	18.96	19.66
225.0	19.78	19.84	20.60	21.48	22.30	22.65	22.65	22.94	23.58
270.0	20.48	19.72	18.90	18.08	17.50	16.97	16.33	15.74	15.33
315.0	20.48	19.72	18.73	18.02	17.32	16.80	16.33	16.33	16.68
360.0	19.55	18.61	17.97	17.44	16.91	16.56	16.85	17.44	17.97

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	18.26	18.26	17.50	17.21	16.44	15.16	14.16	12.58	11.53
45.0	17.91	18.38	18.55	16.85	16.33	16.39	15.22	14.98	13.52
90.0	13.99	13.52	13.23	12.87	12.58	12.23	11.88	11.59	11.29
135.0	19.66	19.61	19.49	19.20	18.79	17.32	15.68	14.51	12.29
180.0	20.95	21.65	22.06	22.00	21.13	21.01	19.84	18.26	16.62
225.0	25.11	25.28	23.47	22.12	22.00	20.66	20.13	17.67	15.10
270.0	14.92	14.46	14.05	13.69	13.40	12.99	12.64	12.41	12.00
315.0	17.21	17.79	17.56	17.26	16.91	16.15	14.86	14.10	13.58
360.0	18.26	18.26	17.50	17.21	16.44	15.16	14.16	12.58	11.53

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.12	10.77	10.53	10.42	9.95	9.54	9.31	9.36	9.07
45.0	11.53	10.83	10.53	10.30	10.07	9.66	9.48	9.31	9.13
90.0	11.00	10.71	10.48	9.95	9.60	9.42	9.36	9.13	9.25
135.0	11.18	10.89	10.65	10.36	9.71	9.48	9.25	9.07	9.25
180.0	14.81	12.41	11.29	10.83	10.53	10.12	9.60	9.25	9.36
225.0	12.41	11.12	10.77	10.53	10.18	9.66	9.42	9.36	9.13
270.0	11.70	11.41	11.18	10.94	10.65	10.53	9.77	9.48	9.25
315.0	12.35	11.06	10.77	10.48	10.30	10.18	9.66	9.48	9.25
360.0	11.12	10.77	10.53	10.42	9.95	9.54	9.31	9.36	9.07

Intensity data(cd)

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