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NT

Client:
LumCAT: 1-1489-L
Luminaire: 92.70.427.00
Report No: 2024923-B015
Ballast type: AC

Test No: 2024923-C015	Voltage(V): 36.280
LampCAT: CITIZEN CLU028 LES9.8	Current(A): 0.360
Lamp flux(lm): 1715.0	Power (W): 13.060
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1395.37, Efficiency(%): 81.36% , Luminous Efficacy(lm/W): 106.84
Central intensity(cd): 5338.042, Maximum intensity(cd): 5338.042
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=24.0
[C90/270]Total=24.0
Field angle(10%Imax): [C0/180]Total=53.8
[C90/270]Total=53.8
Maximum s/h(1/2): C0_180=0.41 C90_270=0.41
Maximum s/h(1/4): C0_180=0.43 C90_270=0.43
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 81.36%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.002%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5338.042	0.000	0	0.00%	0.00%
1.0	5308.488	5.094	5.094	0.30%	0.37%
2.0	5241.480	15.142	20.236	0.88%	1.45%
3.0	5123.411	24.789	45.026	1.45%	3.23%
4.0	4939.284	33.683	78.709	1.96%	5.64%
5.0	4718.581	41.548	120.257	2.42%	8.62%
6.0	4476.006	48.320	168.577	2.82%	12.08%
7.0	4200.730	53.856	222.433	3.14%	15.94%
8.0	3888.879	57.896	280.329	3.38%	20.09%
9.0	3584.854	60.571	340.899	3.53%	24.43%
10.0	3280.098	62.125	403.025	3.62%	28.88%
11.0	2979.000	62.541	465.566	3.65%	33.36%
12.0	2679.365	61.854	527.42	3.61%	37.80%
13.0	2385.143	60.103	587.523	3.50%	42.11%
14.0	2126.254	57.745	645.268	3.37%	46.24%
15.0	1906.941	55.370	700.638	3.23%	50.21%
16.0	1709.135	52.986	753.623	3.09%	54.01%
17.0	1488.608	49.797	803.421	2.90%	57.58%
18.0	1312.148	46.178	849.599	2.69%	60.89%
19.0	1231.182	44.249	893.848	2.58%	64.06%
20.0	1122.710	43.083	936.931	2.51%	67.15%
21.0	1008.621	40.926	977.857	2.39%	70.08%
22.0	921.217	38.781	1016.638	2.26%	72.86%
23.0	835.928	36.870	1053.507	2.15%	75.50%
24.0	757.332	34.834	1088.342	2.03%	78.00%
25.0	676.001	32.591	1120.932	1.90%	80.33%
26.0	599.548	30.109	1151.042	1.76%	82.49%
27.0	526.615	27.552	1178.594	1.61%	84.46%
28.0	454.566	24.841	1203.435	1.45%	86.24%
29.0	389.123	22.073	1225.508	1.29%	87.83%
30.0	325.261	19.288	1244.797	1.12%	89.21%
31.0	275.429	16.716	1261.513	0.97%	90.41%
32.0	246.592	14.955	1276.468	0.87%	91.48%
33.0	207.521	13.378	1289.847	0.78%	92.44%
34.0	151.442	10.863	1300.71	0.63%	93.22%
35.0	125.136	8.589	1309.299	0.50%	93.83%
36.0	103.036	7.265	1316.564	0.42%	94.35%
37.0	83.497	6.084	1322.648	0.35%	94.79%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	67.118	5.027	1327.675	0.29%	95.15%
39.0	55.523	4.186	1331.861	0.24%	95.45%
40.0	46.174	3.547	1335.408	0.21%	95.70%
41.0	38.947	3.031	1338.439	0.18%	95.92%
42.0	33.314	2.625	1341.065	0.15%	96.11%
43.0	28.837	2.302	1343.367	0.13%	96.27%
44.0	25.618	2.055	1345.422	0.12%	96.42%
45.0	23.211	1.877	1347.299	0.11%	96.55%
46.0	21.046	1.731	1349.03	0.10%	96.68%
47.0	19.364	1.607	1350.637	0.09%	96.79%
48.0	18.127	1.516	1352.153	0.09%	96.90%
49.0	17.125	1.448	1353.6	0.08%	97.01%
50.0	16.203	1.390	1354.99	0.08%	97.11%
51.0	15.494	1.341	1356.331	0.08%	97.20%
52.0	14.931	1.306	1357.636	0.08%	97.30%
53.0	14.455	1.278	1358.915	0.07%	97.39%
54.0	14.038	1.256	1360.17	0.07%	97.48%
55.0	13.716	1.239	1361.409	0.07%	97.57%
56.0	13.460	1.228	1362.637	0.07%	97.65%
57.0	13.248	1.221	1363.859	0.07%	97.74%
58.0	13.058	1.216	1365.075	0.07%	97.83%
59.0	12.890	1.213	1366.288	0.07%	97.92%
60.0	12.707	1.209	1367.497	0.07%	98.00%
61.0	12.495	1.203	1368.7	0.07%	98.09%
62.0	12.282	1.194	1369.894	0.07%	98.17%
63.0	12.034	1.183	1371.077	0.07%	98.26%
64.0	11.741	1.167	1372.243	0.07%	98.34%
65.0	11.434	1.147	1373.39	0.07%	98.42%
66.0	11.119	1.125	1374.515	0.07%	98.51%
67.0	10.739	1.099	1375.614	0.06%	98.58%
68.0	10.432	1.072	1376.687	0.06%	98.66%
69.0	10.110	1.048	1377.735	0.06%	98.74%
70.0	9.817	1.023	1378.758	0.06%	98.81%
71.0	9.525	1.000	1379.758	0.06%	98.88%
72.0	9.254	0.976	1380.734	0.06%	98.95%
73.0	9.034	0.956	1381.691	0.06%	99.02%
74.0	8.808	0.938	1382.629	0.05%	99.09%
75.0	8.581	0.919	1383.547	0.05%	99.15%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	8.376	0.900	1384.448	0.05%	99.22%
77.0	8.186	0.883	1385.331	0.05%	99.28%
78.0	8.003	0.867	1386.197	0.05%	99.34%
79.0	7.813	0.850	1387.047	0.05%	99.40%
80.0	7.630	0.833	1387.879	0.05%	99.46%
81.0	7.469	0.817	1388.696	0.05%	99.52%
82.0	7.308	0.801	1389.497	0.05%	99.58%
83.0	7.162	0.787	1390.284	0.05%	99.64%
84.0	7.008	0.772	1391.056	0.05%	99.69%
85.0	6.862	0.757	1391.813	0.04%	99.74%
86.0	6.715	0.742	1392.555	0.04%	99.80%
87.0	6.591	0.728	1393.283	0.04%	99.85%
88.0	6.459	0.715	1393.998	0.04%	99.90%
89.0	6.255	0.697	1394.695	0.04%	99.95%
90.0	6.123	0.679	1395.374	0.04%	100.00%

Zonal flux distribution table

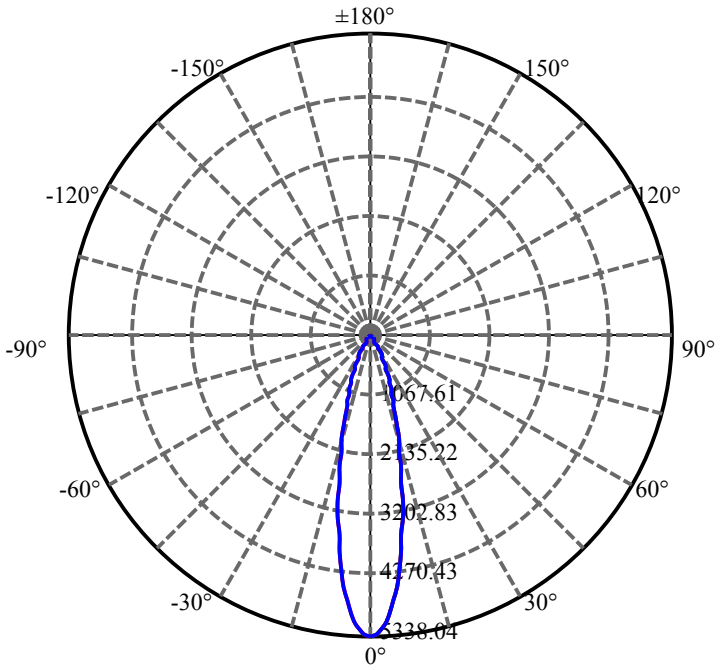
ZONAL LUMEN SUMMARY

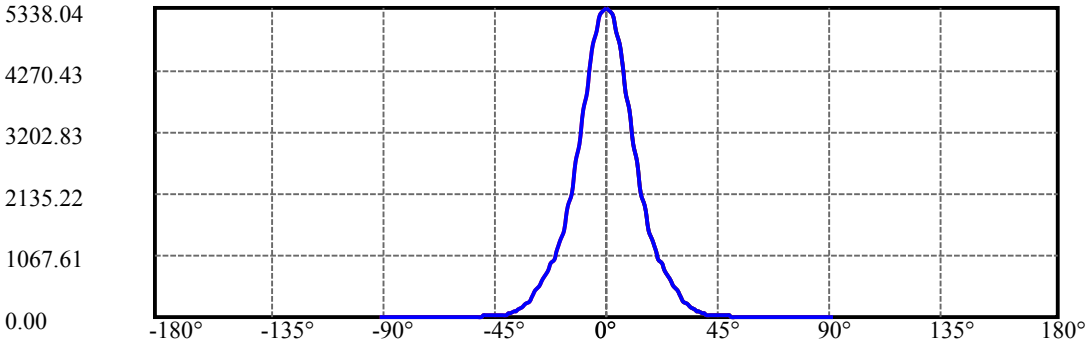
Zone	Lumens	%Lamp	%Fixt
0-30	1244.80	72.58%	89.21%
0-40	1335.41	77.87%	95.70%
0-60	1367.50	79.74%	98.00%
0-90	1394.69	81.32%	99.95%
0-120	1394.69	81.32%	99.95%
0-180	1395.37	81.36%	100.00%
60-90	27.20	1.59%	1.95%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-24.86	1116.30	65.09%	80.00%

ZONAL LUMEN SUMMARY

0-10	403.02
10-20	533.91
20-30	307.87
30-40	90.61
40-50	19.58
50-60	12.51
60-70	11.26
70-80	9.12
80-90	6.82
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):

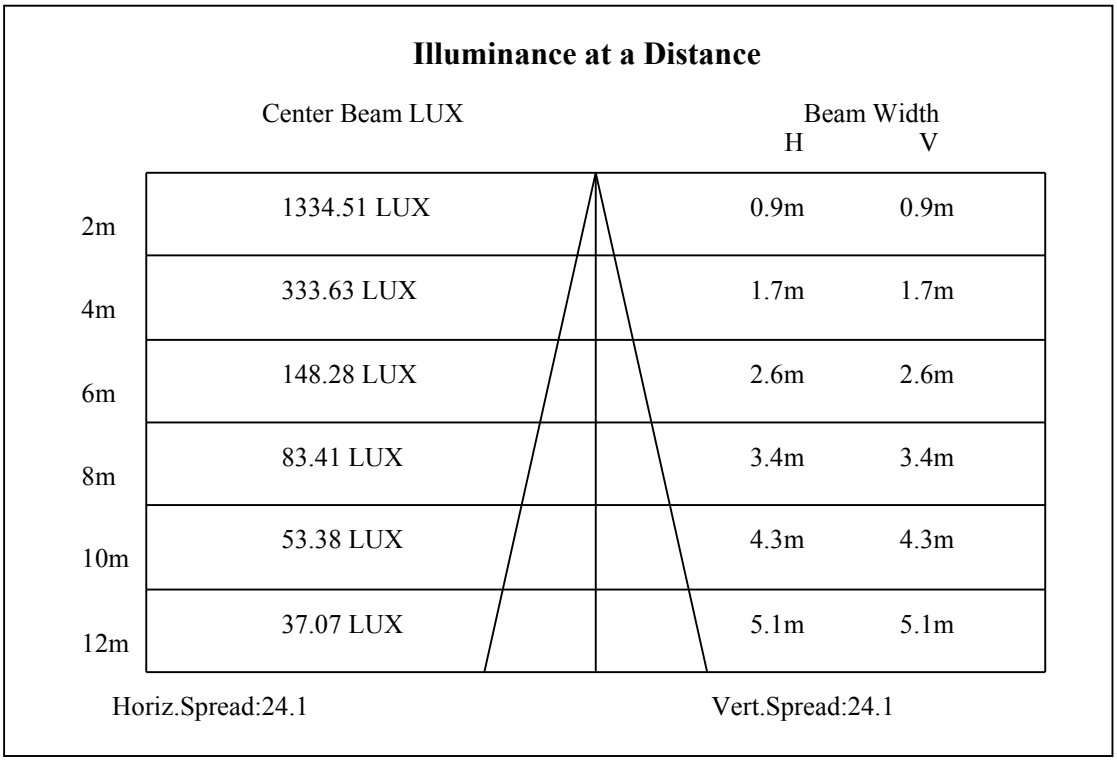
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:26.9 Right:26.9
:C90/270Left:26.9 Right:26.9

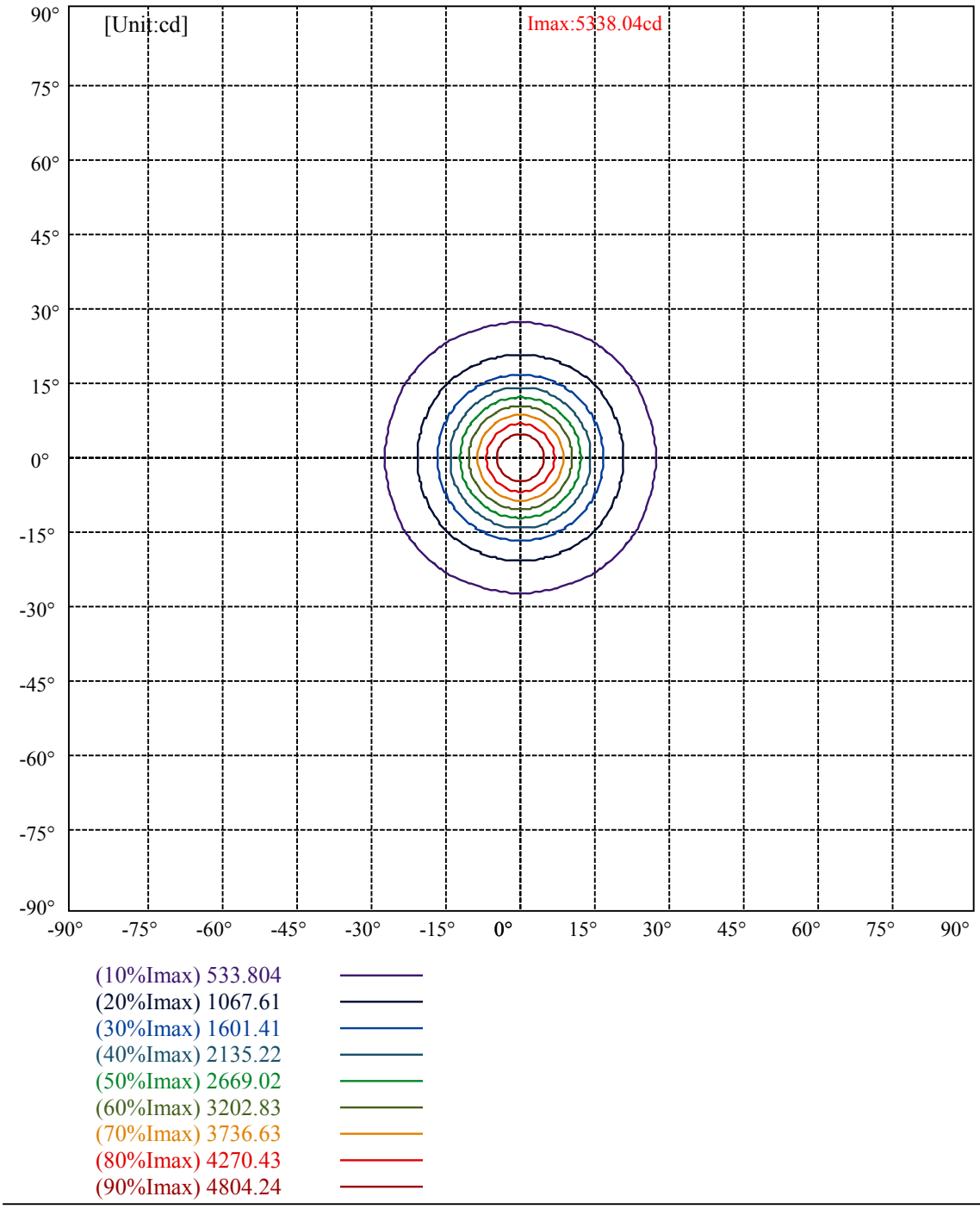
Beam Angle(50%Imax):C0/180Left:12.0 Right:12.0
:C90/270Left:12.0 Right:12.0

Lux distance Curve



Equipment: GMS1980 Date: 2024/9/23 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)



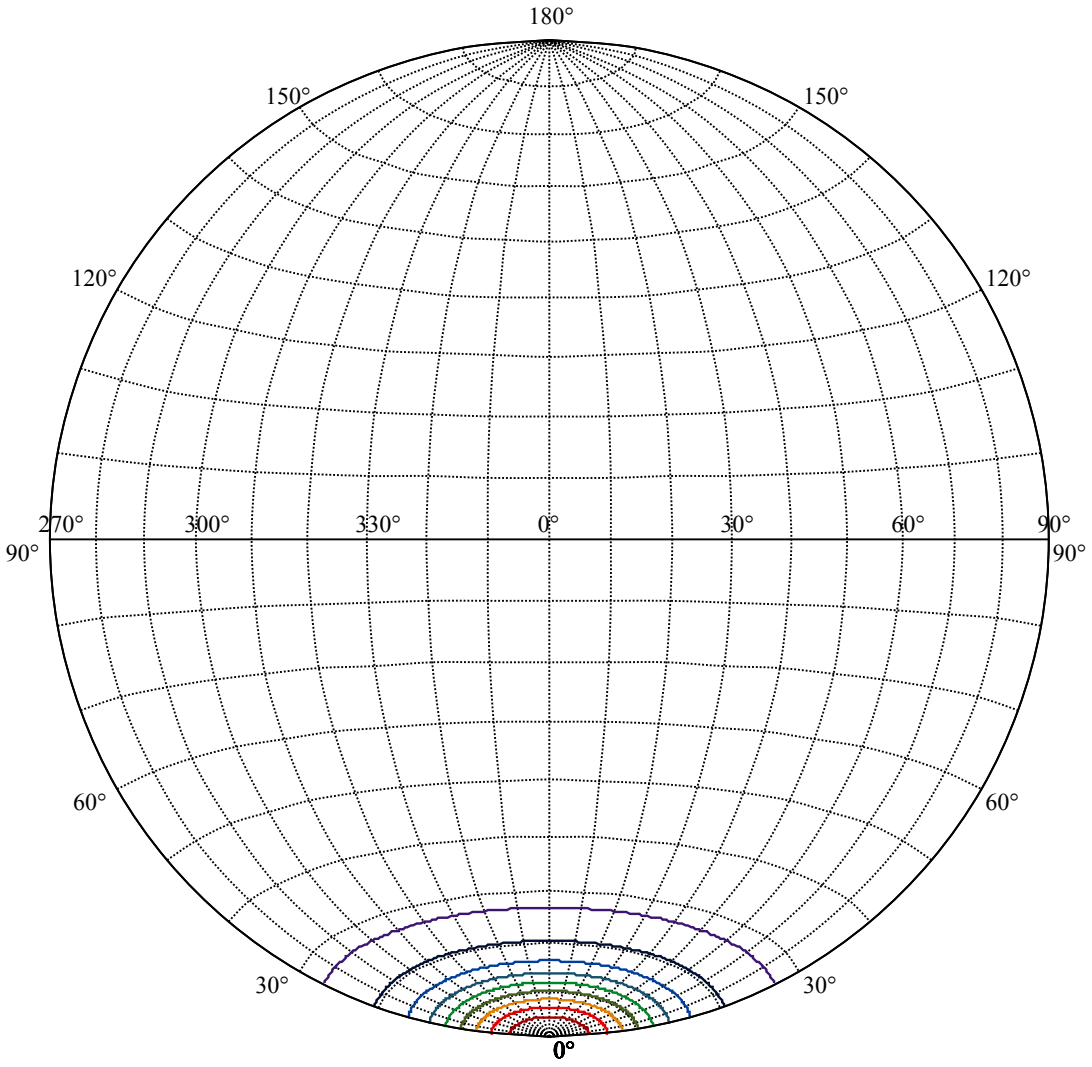
(10%Imax) 533.804
(20%Imax) 1067.61
(30%Imax) 1601.41
(40%Imax) 2135.22
(50%Imax) 2669.02
(60%Imax) 3202.83
(70%Imax) 3736.63
(80%Imax) 4270.43
(90%Imax) 4804.24

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/9/23
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



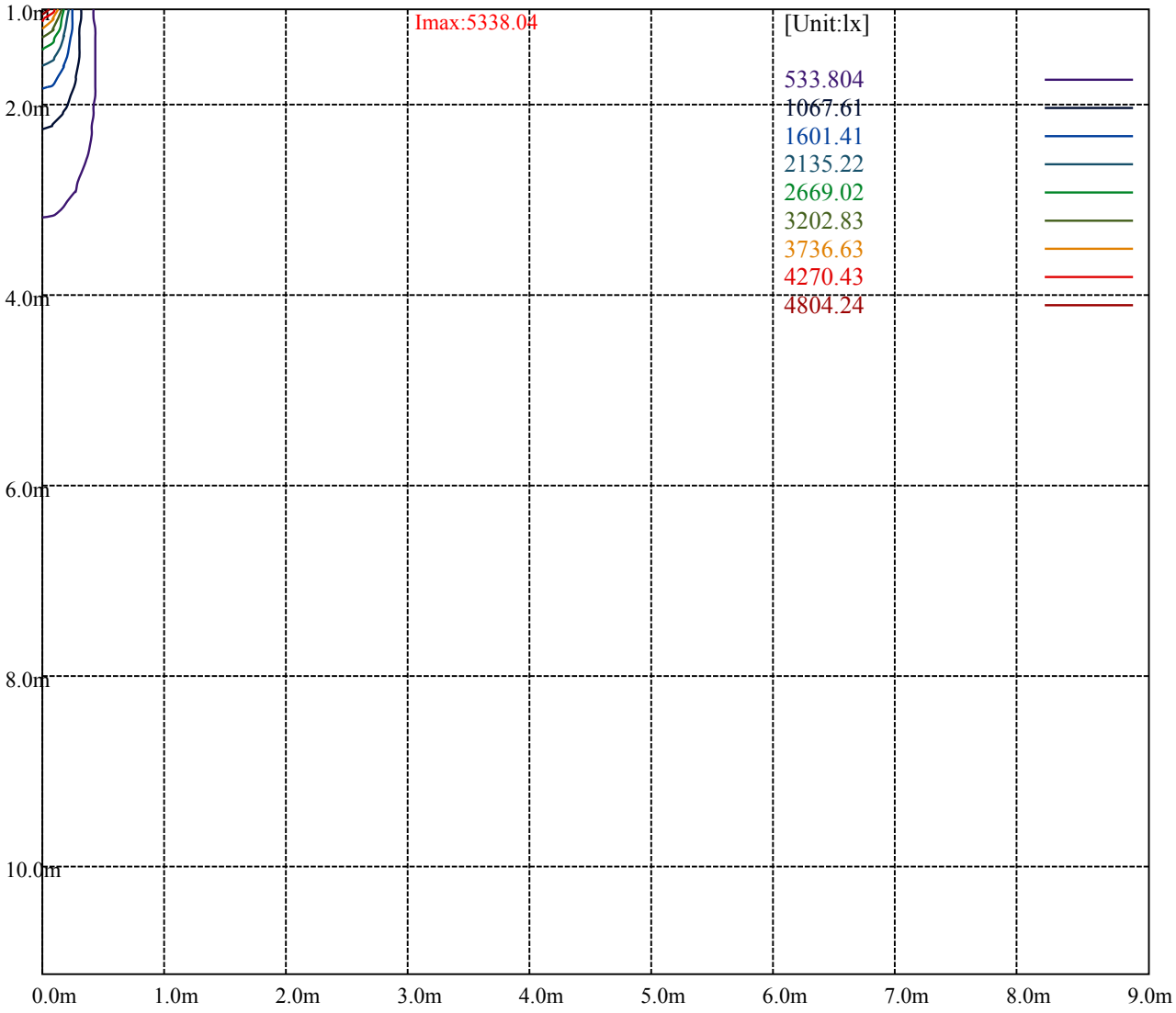
House [Unit:cd] Road

Imax:5338.04

(10%Imax) 533.804
(20%Imax) 1067.61
(30%Imax) 1601.41
(40%Imax) 2135.22
(50%Imax) 2669.02
(60%Imax) 3202.83
(70%Imax) 3736.63
(80%Imax) 4270.43
(90%Imax) 4804.24

Equipment: GMS1980 Date: 2024/9/23 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/9/23
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

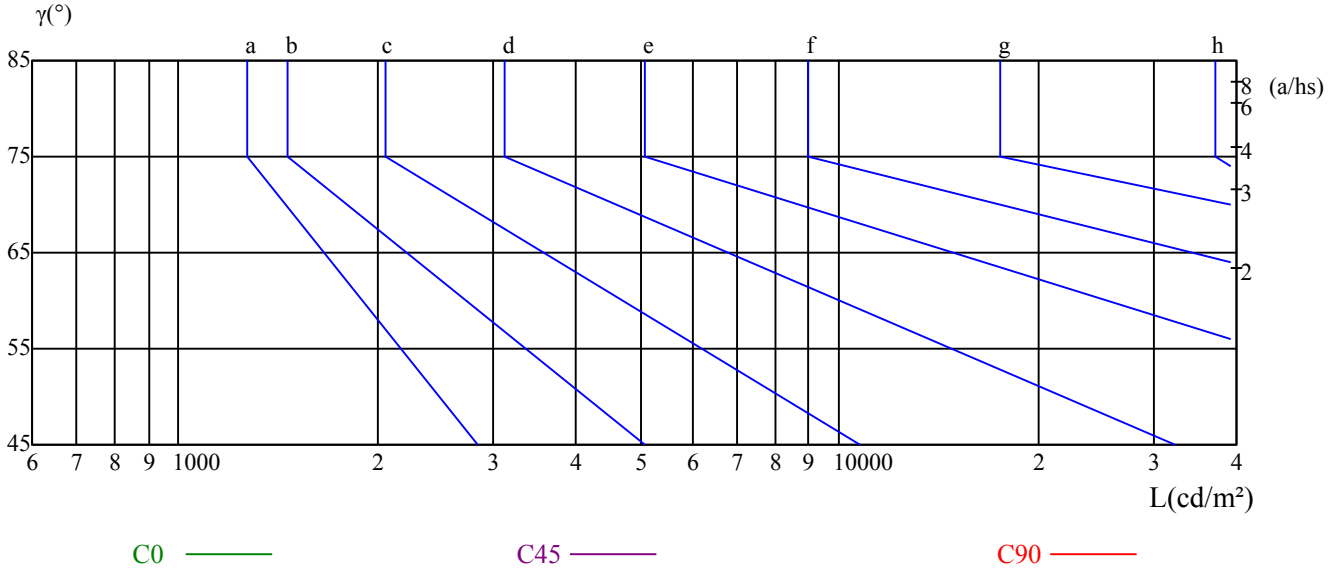
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

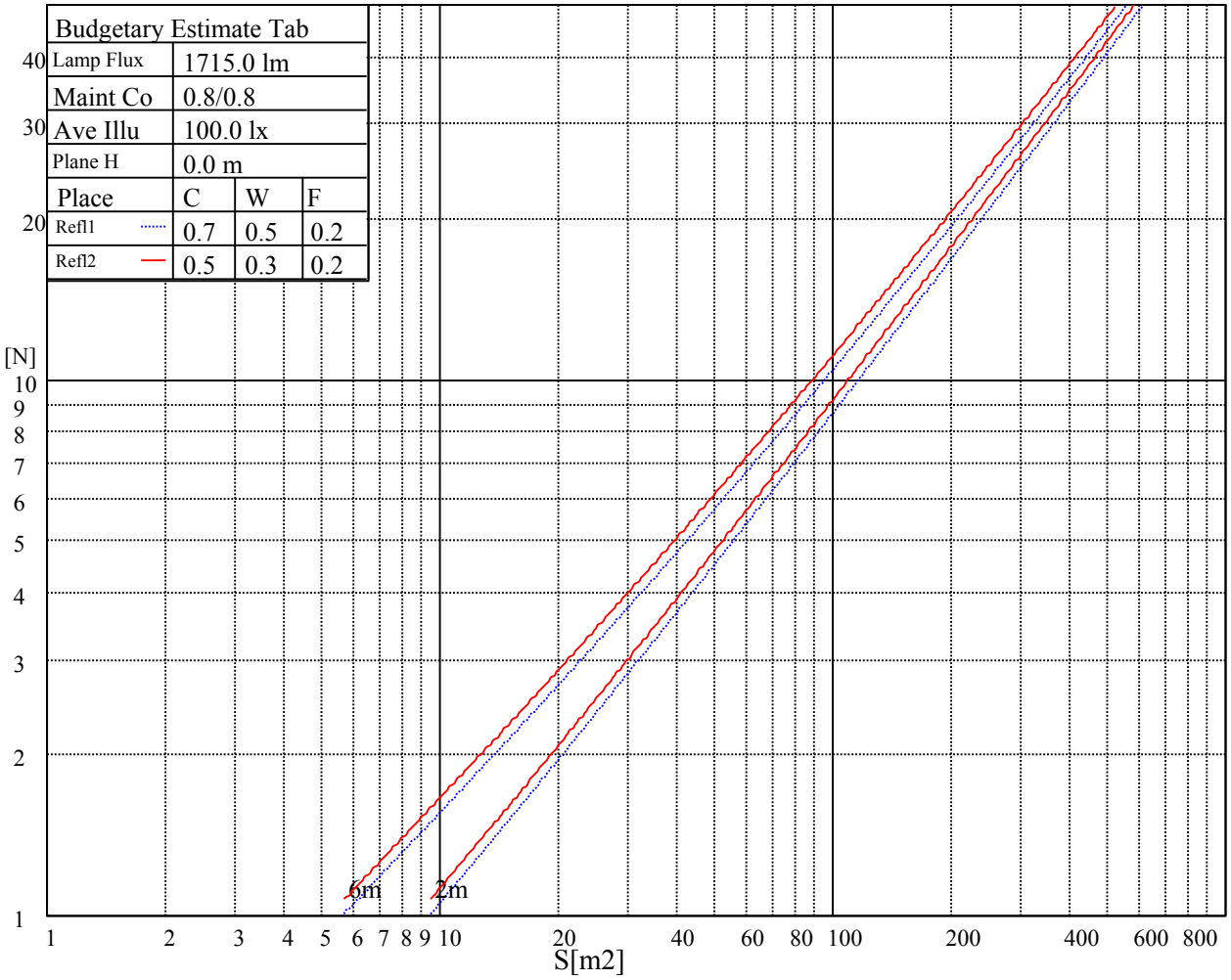
Luminance Limitting Curve



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

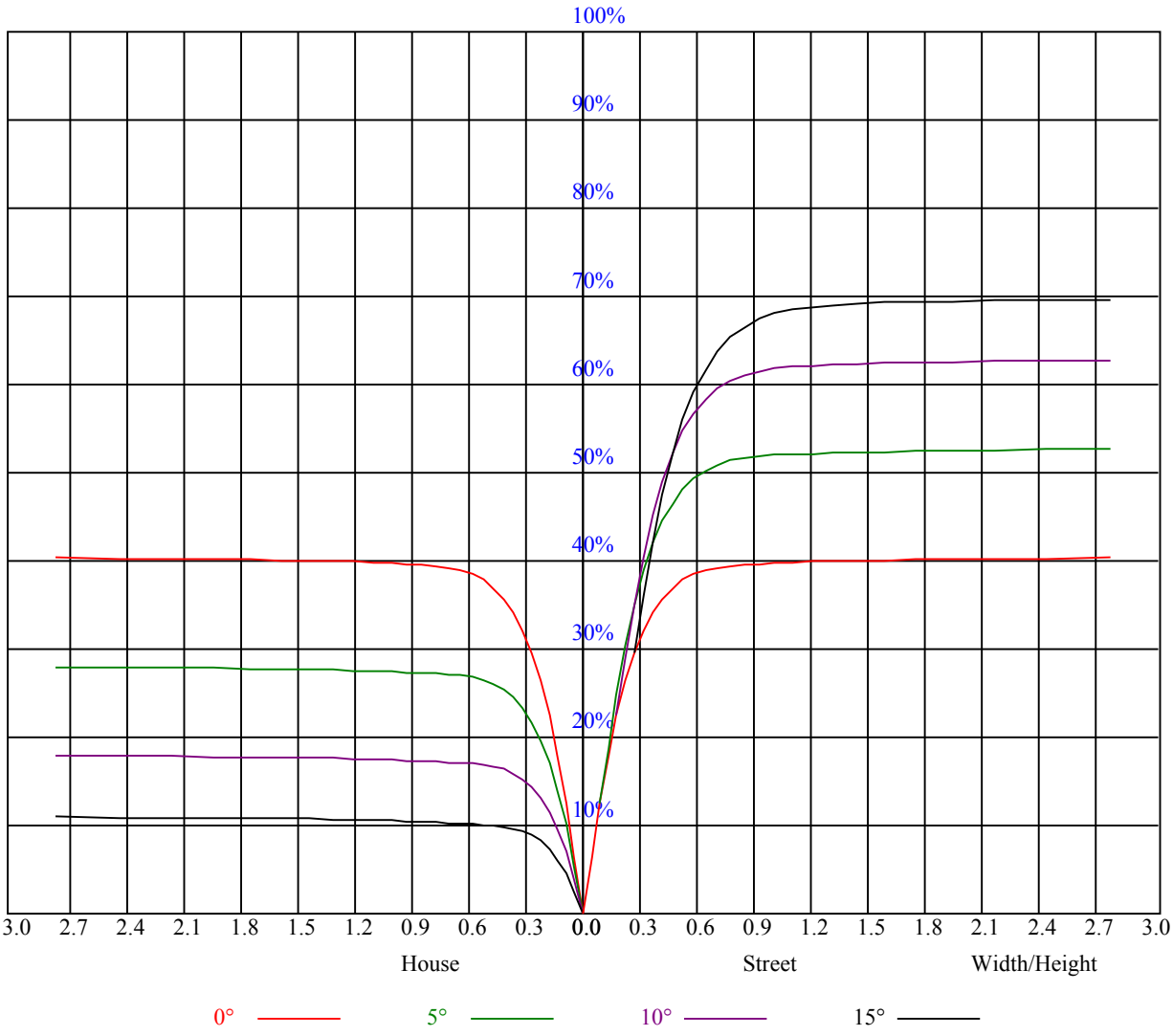


Equipment: GMS1980 Date: 2024/9/23 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

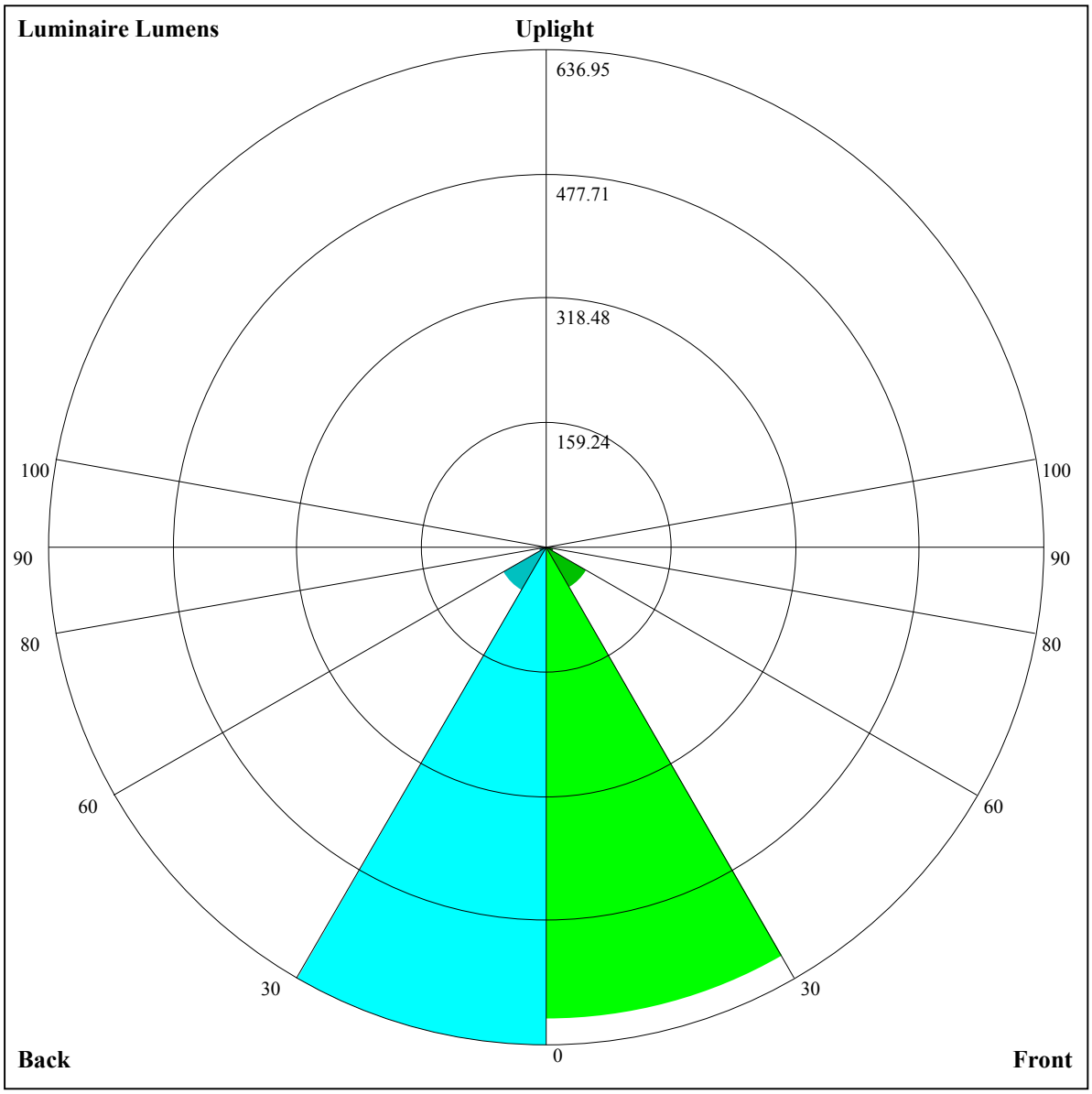
Utilization factor table for indoor luminaire

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	0.97	0.97	0.97	0.95	0.95	0.95	0.90	0.90	0.90	0.87	0.87	0.87	0.83	0.83	0.83	0.81
1	0.91	0.89	0.88	0.89	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	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	0.77	0.77	0.76	0.75	0.74
3	0.82	0.78	0.76	0.81	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.75	0.73	0.72	0.71
4	0.78	0.74	0.71	0.77	0.74	0.71	0.75	0.72	0.70	0.74	0.71	0.69	0.72	0.70	0.69	0.68
5	0.75	0.71	0.68	0.74	0.70	0.68	0.72	0.69	0.67	0.71	0.69	0.66	0.70	0.68	0.66	0.65
6	0.71	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
7	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.64	0.61	0.66	0.63	0.61	0.60
8	0.66	0.62	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.58
9	0.64	0.60	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.56
10	0.62	0.58	0.56	0.61	0.58	0.56	0.61	0.58	0.55	0.60	0.57	0.55	0.60	0.57	0.55	0.54

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/9/23	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=605.06,FM=59.13,FH=10.19,FVH=3.73
BL=636.95,BM=65.27,BH=10.19,BVH=3.74
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	5325.02	5263.57	5162.91	5010.17	4757.35	4509.22	4258.16	3994.80	3635.48
45.0	5323.85	5353.11	5296.34	5214.41	5067.52	4838.70	4604.61	4348.28	3998.32
90.0	5349.60	5300.44	5214.41	5028.31	4832.26	4602.85	4294.44	4024.65	3746.67
135.0	5353.70	5365.99	5343.16	5267.67	5097.95	4924.73	4702.93	4384.56	4113.61
180.0	5325.02	5323.85	5301.03	5225.53	5061.08	4893.12	4685.96	4381.05	4127.07
225.0	5323.85	5252.45	5158.82	5004.90	4833.43	4565.40	4321.95	4057.42	3777.69
270.0	5349.60	5330.87	5277.03	5200.37	5019.53	4846.89	4632.11	4381.64	4047.47
315.0	5353.70	5277.62	5178.13	5035.92	4845.14	4567.74	4307.90	4033.43	3664.74
360.0	5325.02	5263.57	5162.91	5010.17	4757.35	4509.22	4258.16	3994.80	3635.48

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3346.38	3059.61	2714.33	2448.64	2143.15	1937.15	1741.69	1573.14	1292.24
45.0	3703.36	3417.77	3136.28	2778.71	2515.94	2271.32	2051.86	1793.19	1617.04
90.0	3461.08	3098.82	2813.24	2541.11	2290.63	2008.55	1811.92	1633.42	1476.58
135.0	3780.61	3510.24	3227.57	2939.06	2594.36	2342.71	2110.38	1899.11	1668.53
180.0	3787.05	3497.36	3210.02	2918.58	2570.95	2326.91	2093.99	1893.85	1712.43
225.0	3487.41	3126.33	2840.74	2562.76	2249.08	2017.91	1770.36	1597.14	1444.39
270.0	3750.77	3461.66	3178.42	2807.97	2528.82	2205.19	1976.95	1765.10	1539.79
315.0	3362.18	3068.98	2711.41	2438.11	2188.21	1900.28	1698.38	1518.13	1157.87
360.0	3346.38	3059.61	2714.33	2448.64	2143.15	1937.15	1741.69	1573.14	1292.24

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1151.55	1151.55	1052.29	941.22	855.89	777.00	700.46	609.80	541.22
45.0	1463.12	1306.28	1195.67	1071.61	986.16	899.55	817.62	719.89	642.05
90.0	1164.42	1164.42	1066.10	969.95	883.69	781.45	703.97	626.02	533.78
135.0	1509.35	1376.51	1257.71	1124.86	1029.47	916.52	831.66	755.00	663.70
180.0	1506.43	1367.73	1250.10	1116.67	1023.62	937.59	839.27	763.78	673.65
225.0	1163.25	1163.25	1062.71	976.97	883.63	812.88	740.60	672.01	603.72
270.0	1381.19	1243.08	1121.93	996.70	910.08	834.59	763.19	680.09	618.64
315.0	1157.87	1076.64	975.16	870.99	797.19	727.84	661.89	581.42	519.62
360.0	1151.55	1151.55	1052.29	941.22	855.89	777.00	700.46	609.80	541.22

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	456.30	392.63	336.04	273.01	229.93	191.49	151.46	124.83	102.82
45.0	568.31	495.16	414.98	358.22	307.30	295.01	241.11	175.33	146.72
90.0	463.56	399.01	345.22	285.71	245.21	210.62	181.19	149.29	127.52
135.0	587.62	513.30	447.17	372.26	320.18	295.01	295.01	185.93	158.24
180.0	601.08	527.35	460.63	384.55	326.03	299.11	299.11	180.42	149.47
225.0	520.56	453.14	370.45	312.22	260.48	204.89	167.37	136.06	104.52
270.0	557.19	475.26	414.98	357.05	299.69	299.69	179.66	146.19	118.39
315.0	458.29	380.69	323.51	259.08	214.60	176.91	145.25	113.48	93.40
360.0	456.30	392.63	336.04	273.01	229.93	191.49	151.46	124.83	102.82

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	84.92	70.29	55.60	46.23	39.03	32.48	28.50	24.93	22.77
45.0	117.16	96.74	76.37	62.74	52.14	43.48	35.41	30.55	26.86
90.0	108.27	88.25	74.50	60.04	50.91	43.37	37.10	30.96	27.10
135.0	132.38	102.65	82.34	68.24	55.25	46.99	38.57	33.42	29.26
180.0	124.65	103.53	82.46	68.59	54.89	46.17	39.27	32.48	28.44
225.0	84.62	68.82	53.78	44.30	37.10	31.84	27.92	24.29	22.06
270.0	95.27	73.15	59.46	49.22	41.20	34.00	29.90	26.92	24.05
315.0	77.02	64.55	52.44	44.83	38.86	33.24	29.85	27.15	24.40
360.0	84.92	70.29	55.60	46.23	39.03	32.48	28.50	24.93	22.77

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	21.07	19.25	18.08	17.21	16.39	15.57	14.98	14.63	14.28
45.0	24.11	21.48	19.84	18.49	17.21	16.39	15.68	14.98	14.51
90.0	24.17	21.89	19.78	18.55	17.56	16.56	15.86	15.33	14.75
135.0	25.93	22.71	20.66	19.08	17.85	16.62	15.86	15.22	14.69
180.0	25.34	22.82	20.60	19.14	17.97	17.03	16.04	15.33	14.81
225.0	20.31	18.55	17.44	16.21	15.45	14.81	14.16	13.69	13.34
270.0	22.12	20.60	19.02	17.97	17.09	16.15	15.57	15.04	14.51
315.0	22.65	21.07	19.49	18.38	17.50	16.50	15.80	15.22	14.75
360.0	21.07	19.25	18.08	17.21	16.39	15.57	14.98	14.63	14.28

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	13.99	13.64	13.46	13.23	13.05	12.93	12.76	12.47	12.29
45.0	14.05	13.75	13.46	13.28	13.11	12.93	12.76	12.58	12.35
90.0	14.40	14.05	13.75	13.52	13.34	13.17	12.87	12.64	12.35
135.0	14.22	13.87	13.58	13.40	13.17	12.99	12.87	12.70	12.52
180.0	14.22	13.87	13.52	13.23	12.99	12.76	12.64	12.47	12.29
225.0	13.05	12.76	12.64	12.47	12.35	12.23	12.11	11.88	11.65
270.0	14.05	13.81	13.52	13.34	13.17	12.99	12.82	12.64	12.52
315.0	14.34	13.99	13.75	13.52	13.28	13.11	12.82	12.58	12.29
360.0	13.99	13.64	13.46	13.23	13.05	12.93	12.76	12.47	12.29

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	12.06	11.76	11.41	11.12	10.77	10.48	10.12	9.83	9.54
45.0	12.11	11.88	11.59	11.18	10.89	10.42	10.18	9.83	9.48
90.0	12.00	11.65	11.35	10.94	10.48	10.18	9.77	9.48	9.25
135.0	12.23	11.94	11.65	11.41	10.94	10.65	10.30	9.95	9.71
180.0	12.11	11.82	11.53	11.29	10.94	10.65	10.36	10.07	9.77
225.0	11.53	11.24	10.89	10.59	10.30	10.07	9.77	9.54	9.25
270.0	12.23	12.00	11.70	11.41	11.00	10.65	10.36	10.07	9.71
315.0	12.00	11.65	11.35	11.00	10.59	10.36	10.01	9.77	9.48
360.0	12.06	11.76	11.41	11.12	10.77	10.48	10.12	9.83	9.54

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	9.31	9.07	8.84	8.60	8.37	8.19	8.02	7.84	7.67
45.0	9.25	9.01	8.78	8.49	8.37	8.19	7.96	7.78	7.67
90.0	8.95	8.72	8.54	8.37	8.13	7.96	7.78	7.61	7.43
135.0	9.36	9.13	8.90	8.66	8.49	8.31	8.13	7.96	7.78
180.0	9.54	9.31	9.07	8.84	8.60	8.43	8.25	8.08	7.84
225.0	9.01	8.78	8.60	8.43	8.19	8.02	7.84	7.61	7.49
270.0	9.42	9.25	9.01	8.72	8.54	8.31	8.13	7.90	7.67
315.0	9.19	9.01	8.72	8.54	8.31	8.08	7.90	7.72	7.49
360.0	9.31	9.07	8.84	8.60	8.37	8.19	8.02	7.84	7.67

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.49	7.37	7.26	7.08	6.96	6.85	6.73	6.55	6.26
45.0	7.49	7.32	7.20	7.02	6.91	6.73	6.61	6.50	6.32
90.0	7.32	7.14	7.02	6.85	6.73	6.55	6.44	6.32	6.14
135.0	7.61	7.43	7.26	7.08	6.96	6.79	6.67	6.55	6.38
180.0	7.67	7.49	7.32	7.26	7.02	6.91	6.73	6.61	6.44
225.0	7.32	7.20	7.02	6.91	6.73	6.61	6.50	6.38	6.09
270.0	7.49	7.26	7.14	6.96	6.79	6.61	6.50	6.38	6.20
315.0	7.37	7.26	7.08	6.91	6.79	6.67	6.55	6.38	6.20
360.0	7.49	7.37	7.26	7.08	6.96	6.85	6.73	6.55	6.26

Intensity data(cd)

C/γ(°)	90.0
0.0	6.14
45.0	6.09
90.0	6.09
135.0	6.20
180.0	6.14
225.0	6.09
270.0	6.09
315.0	6.14
360.0	6.14