NATA LIGHTING CO.,LTD.
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Address:Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client: NT
LumCAT: 61-0246
Luminaire: 92.70.458.00
Report No: 20250112-B002
Ballast type: AC

Test No: 20241212-C002	Voltage(V): 35.670
LampCAT: CITIZEN CLU7A2	Current(A): 0.137
Lamp flux(lm): 526.8	Power (W): 4.886
Number of Lamps: 1	PF: 0.000
Length(mm): 75	Width(mm): 75
Phm Type: C	Height(mm): 43

Photometric Results

Lumens(lm): 503.57, Efficiency(%): 95.60% , Luminous Efficacy(lm/W): 103.06
Central intensity(cd): 1325.740, Maximum intensity(cd): 1325.740
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=36.4
[C90/270]Total=36.4
Field angle(10%Imax): [C0/180]Total=51.8
[C90/270]Total=51.8
Maximum s/h(1/2): C0_180=0.61 C90_270=0.61
Maximum s/h(1/4): C0_180=0.56 C90_270=0.56
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 95.60%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 95.381%

Equipment: GMS1980	Date: 2024/12/12	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1325.739	0.000	0	0.00%	0.00%
1.0	1322.009	1.267	1.267	0.24%	0.25%
2.0	1314.547	3.784	5.051	0.72%	1.00%
3.0	1303.135	6.261	11.312	1.19%	2.25%
4.0	1282.169	8.654	19.966	1.64%	3.96%
5.0	1262.667	10.948	30.913	2.08%	6.14%
6.0	1241.533	13.160	44.074	2.50%	8.75%
7.0	1221.394	15.287	59.361	2.90%	11.79%
8.0	1194.759	17.292	76.653	3.28%	15.22%
9.0	1164.927	19.124	95.777	3.63%	19.02%
10.0	1135.161	20.815	116.592	3.95%	23.15%
11.0	1088.833	22.222	138.814	4.22%	27.57%
12.0	1053.090	23.414	162.228	4.45%	32.22%
13.0	1006.653	24.444	186.672	4.64%	37.07%
14.0	951.071	25.059	211.731	4.76%	42.05%
15.0	890.939	25.288	237.019	4.80%	47.07%
16.0	825.482	25.150	262.169	4.77%	52.06%
17.0	754.874	24.610	286.78	4.67%	56.95%
18.0	676.279	23.597	310.376	4.48%	61.64%
19.0	603.074	22.258	332.634	4.23%	66.06%
20.0	524.420	20.636	353.271	3.92%	70.15%
21.0	447.236	18.658	371.929	3.54%	73.86%
22.0	365.656	16.335	388.264	3.10%	77.10%
23.0	293.125	13.823	402.087	2.62%	79.85%
24.0	247.616	11.823	413.909	2.24%	82.20%
25.0	221.939	10.677	424.586	2.03%	84.32%
26.0	120.381	8.081	432.667	1.53%	85.92%
27.0	83.855	4.997	437.663	0.95%	86.91%
28.0	59.261	3.623	441.287	0.69%	87.63%
29.0	42.122	2.652	443.939	0.50%	88.16%
30.0	33.424	2.040	445.979	0.39%	88.56%
31.0	28.786	1.731	447.71	0.33%	88.91%
32.0	26.577	1.586	449.296	0.30%	89.22%
33.0	25.048	1.521	450.817	0.29%	89.52%
34.0	23.607	1.472	452.289	0.28%	89.82%
35.0	22.260	1.424	453.714	0.27%	90.10%
36.0	20.922	1.375	455.089	0.26%	90.37%
37.0	19.707	1.325	456.414	0.25%	90.64%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	18.559	1.277	457.691	0.24%	90.89%
39.0	17.462	1.229	458.921	0.23%	91.13%
40.0	16.533	1.186	460.106	0.23%	91.37%
41.0	15.721	1.149	461.255	0.22%	91.60%
42.0	15.048	1.118	462.373	0.21%	91.82%
43.0	14.492	1.094	463.467	0.21%	92.04%
44.0	13.958	1.074	464.541	0.20%	92.25%
45.0	13.504	1.055	465.596	0.20%	92.46%
46.0	13.131	1.042	466.638	0.20%	92.67%
47.0	12.780	1.031	467.668	0.20%	92.87%
48.0	12.429	1.019	468.687	0.19%	93.07%
49.0	12.100	1.007	469.695	0.19%	93.27%
50.0	11.763	0.995	470.689	0.19%	93.47%
51.0	11.448	0.982	471.671	0.19%	93.67%
52.0	11.207	0.972	472.644	0.18%	93.86%
53.0	10.973	0.965	473.608	0.18%	94.05%
54.0	10.805	0.960	474.568	0.18%	94.24%
55.0	10.629	0.957	475.525	0.18%	94.43%
56.0	10.483	0.954	476.479	0.18%	94.62%
57.0	10.395	0.955	477.434	0.18%	94.81%
58.0	10.300	0.957	478.391	0.18%	95.00%
59.0	10.219	0.959	479.35	0.18%	95.19%
60.0	10.102	0.960	480.31	0.18%	95.38%
61.0	9.934	0.956	481.266	0.18%	95.57%
62.0	9.671	0.945	482.211	0.18%	95.76%
63.0	9.364	0.926	483.137	0.18%	95.94%
64.0	8.991	0.901	484.037	0.17%	96.12%
65.0	8.632	0.872	484.909	0.17%	96.29%
66.0	8.288	0.844	485.754	0.16%	96.46%
67.0	7.952	0.817	486.57	0.16%	96.62%
68.0	7.681	0.792	487.362	0.15%	96.78%
69.0	7.432	0.771	488.133	0.15%	96.93%
70.0	7.213	0.752	488.885	0.14%	97.08%
71.0	7.045	0.737	489.622	0.14%	97.23%
72.0	7.037	0.732	490.354	0.14%	97.38%
73.0	7.184	0.744	491.098	0.14%	97.52%
74.0	7.549	0.775	491.873	0.15%	97.68%
75.0	8.105	0.827	492.7	0.16%	97.84%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	8.734	0.894	493.594	0.17%	98.02%
77.0	9.049	0.948	494.542	0.18%	98.21%
78.0	9.078	0.970	495.512	0.18%	98.40%
79.0	8.654	0.953	496.465	0.18%	98.59%
80.0	7.908	0.893	497.358	0.17%	98.77%
81.0	7.235	0.819	498.177	0.16%	98.93%
82.0	6.635	0.752	498.929	0.14%	99.08%
83.0	6.306	0.703	499.632	0.13%	99.22%
84.0	6.203	0.681	500.314	0.13%	99.35%
85.0	6.116	0.672	500.986	0.13%	99.49%
86.0	5.757	0.649	501.635	0.12%	99.62%
87.0	5.062	0.592	502.227	0.11%	99.73%
88.0	4.411	0.519	502.746	0.10%	99.84%
89.0	3.738	0.447	503.193	0.08%	99.93%
90.0	3.116	0.376	503.569	0.07%	100.00%

Zonal flux distribution table

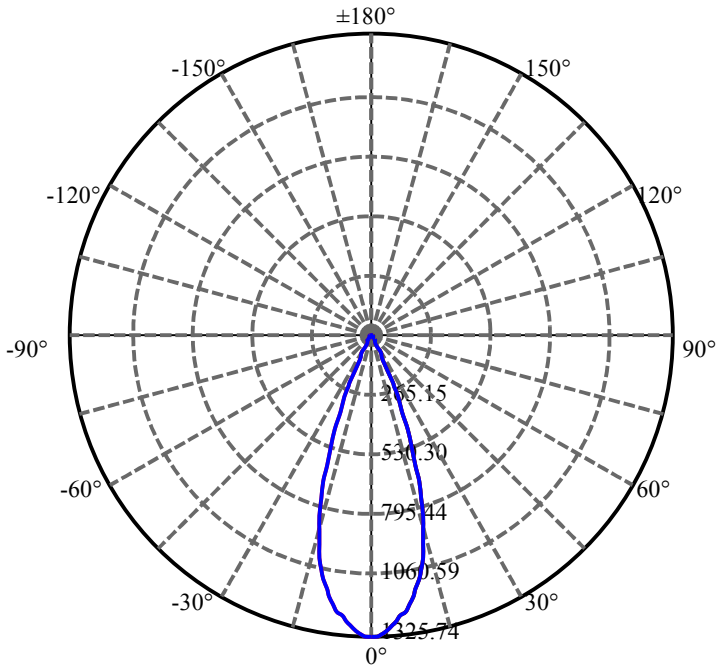
ZONAL LUMEN SUMMARY

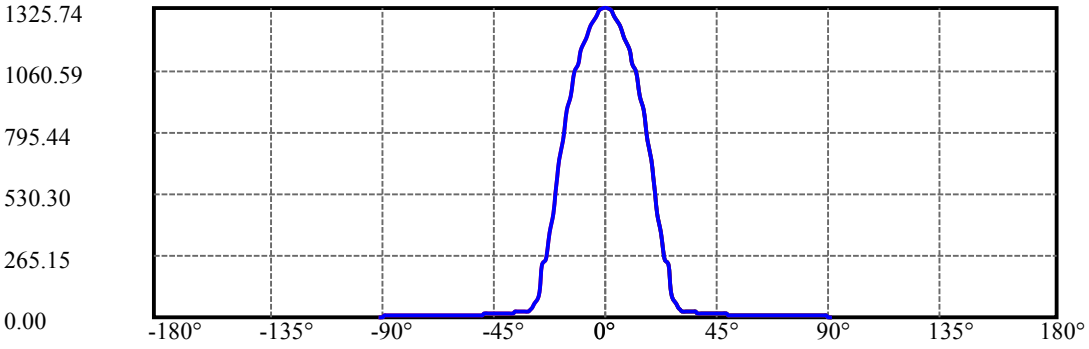
Zone	Lumens	%Lamp	%Fixt
0-30	445.98	84.67%	88.56%
0-40	460.11	87.35%	91.37%
0-60	480.31	91.18%	95.38%
0-90	503.19	95.53%	99.93%
0-120	503.19	95.53%	99.93%
0-180	503.57	95.60%	100.00%
60-90	22.88	4.34%	4.54%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-23.06	402.86	76.48%	80.00%

ZONAL LUMEN SUMMARY

0-10	116.59
10-20	236.68
20-30	92.71
30-40	14.13
40-50	10.58
50-60	9.62
60-70	8.58
70-80	8.47
80-90	5.84
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):

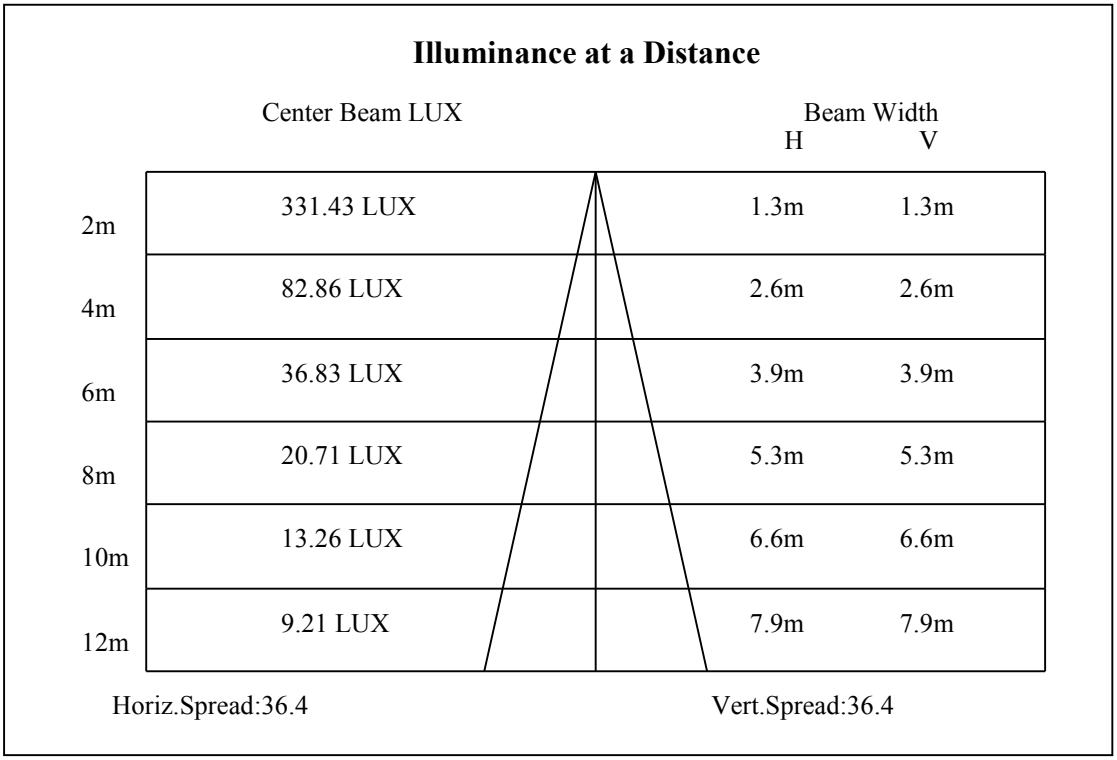
C0/C180:

C90/C270:

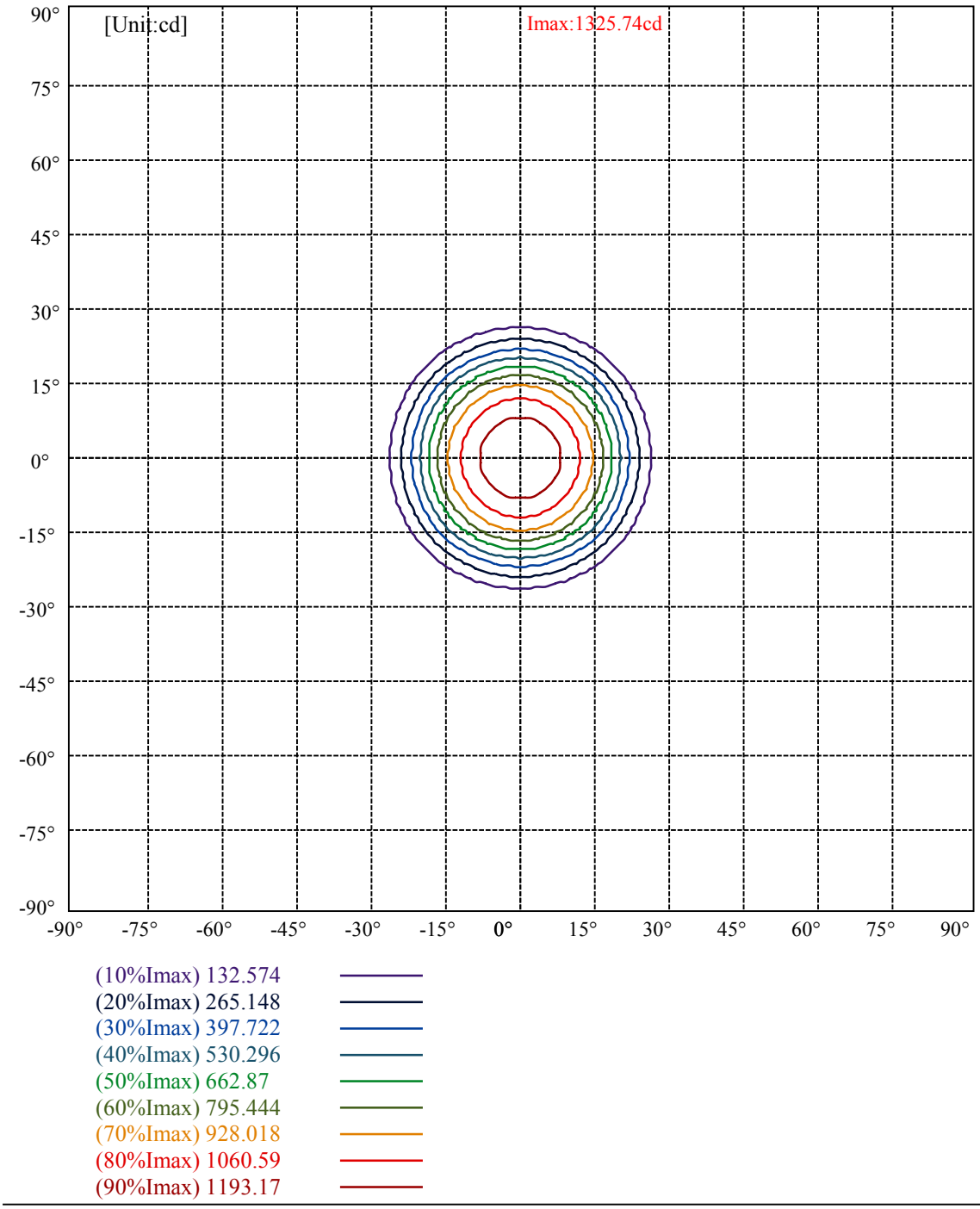
Field angle(10%Imax):C0/180Left:25.9 Right:25.9
:C90/270Left:25.9 Right:25.9

Beam Angle(50%Imax):C0/180Left:18.2 Right:18.2
:C90/270Left:18.2 Right:18.2

Lux distance Curve



ISO-Intensity(V-H)



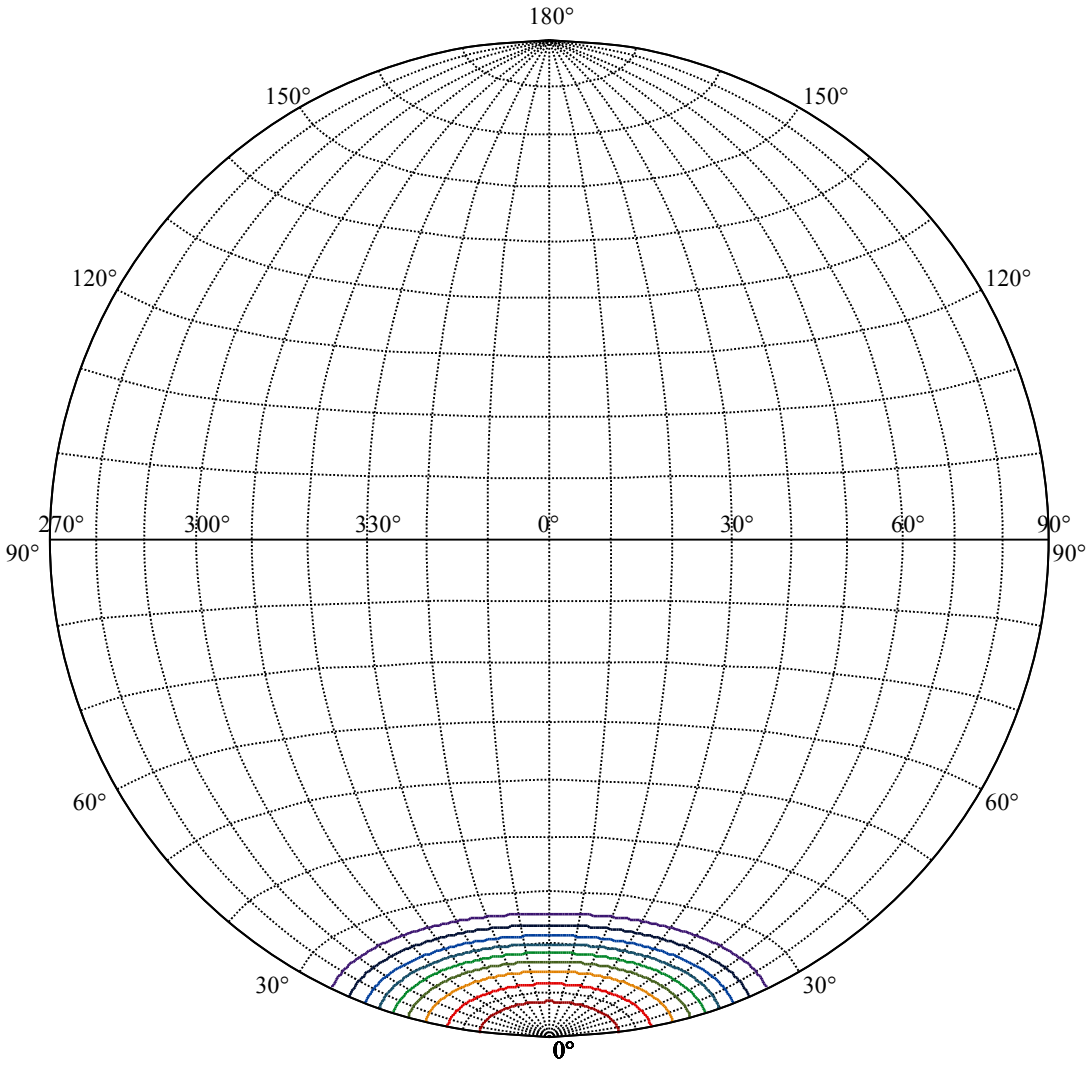
(10%Imax) 132.574
(20%Imax) 265.148
(30%Imax) 397.722
(40%Imax) 530.296
(50%Imax) 662.87
(60%Imax) 795.444
(70%Imax) 928.018
(80%Imax) 1060.59
(90%Imax) 1193.17

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/12/12
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:1325.74

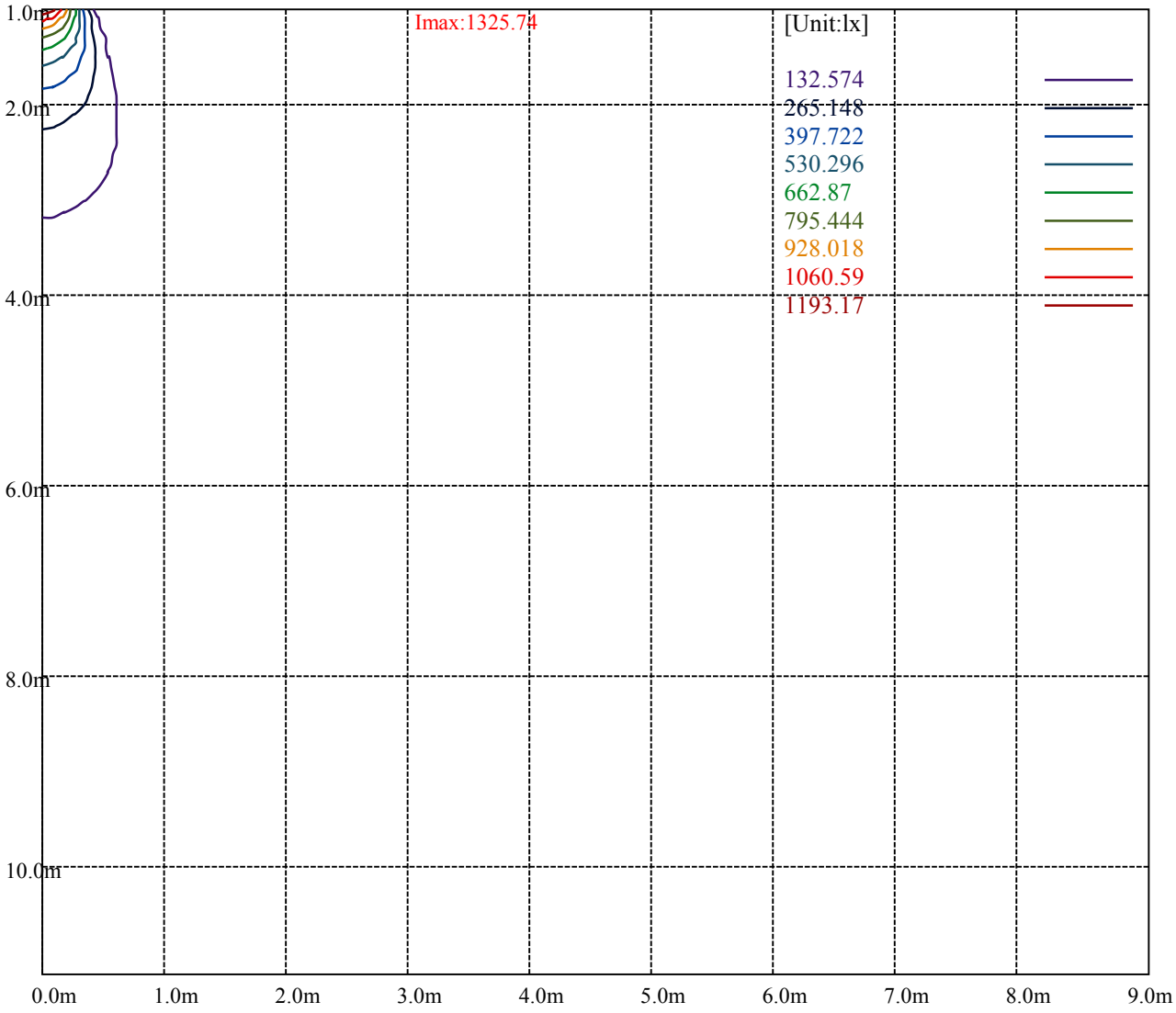
(10%Imax) 132.574
(20%Imax) 265.148
(30%Imax) 397.722
(40%Imax) 530.296
(50%Imax) 662.87
(60%Imax) 795.444
(70%Imax) 928.018
(80%Imax) 1060.59
(90%Imax) 1193.17

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/12/12
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/12/12
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT NT 61-0246

Luminance Limitting Curve(no luminous side)

Luminance Table

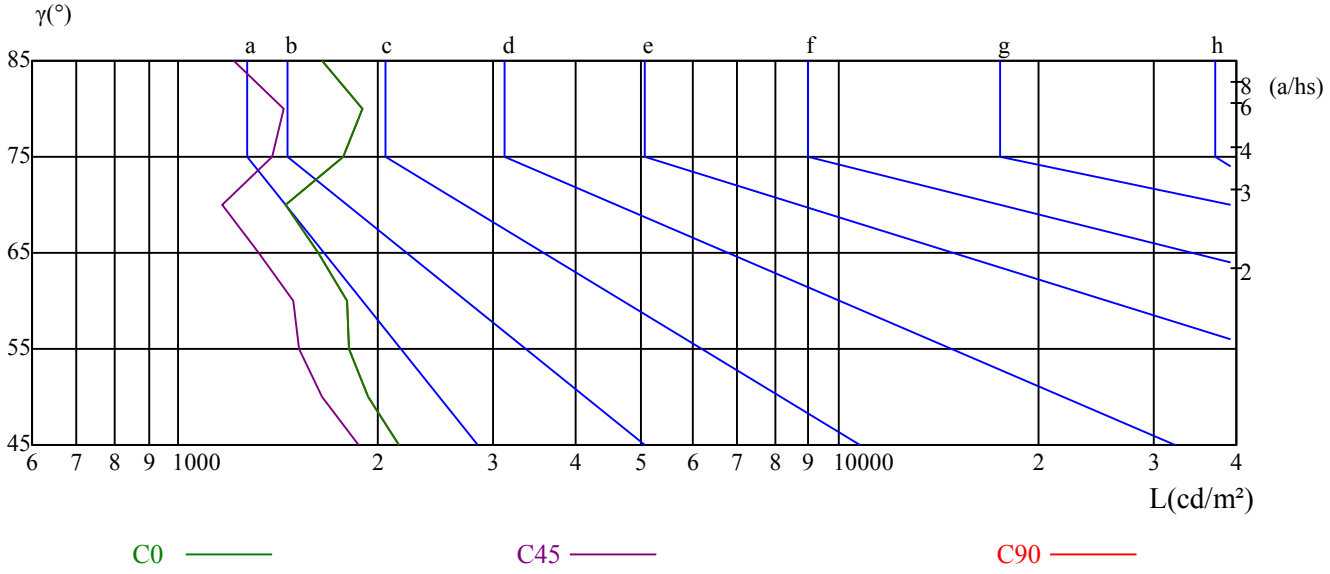
γ	45	50	55	60	65	70	75	80	85
C0	2158	1933	1811	1802	1629	1456	1773	1904	1652
C45	1875	1655	1527	1494	1326	1162	1383	1446	1215
C90	2158	1933	1811	1802	1629	1456	1773	1904	1652

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
3631	3631	3631	5567	5567	5567	12474	12474	12474

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

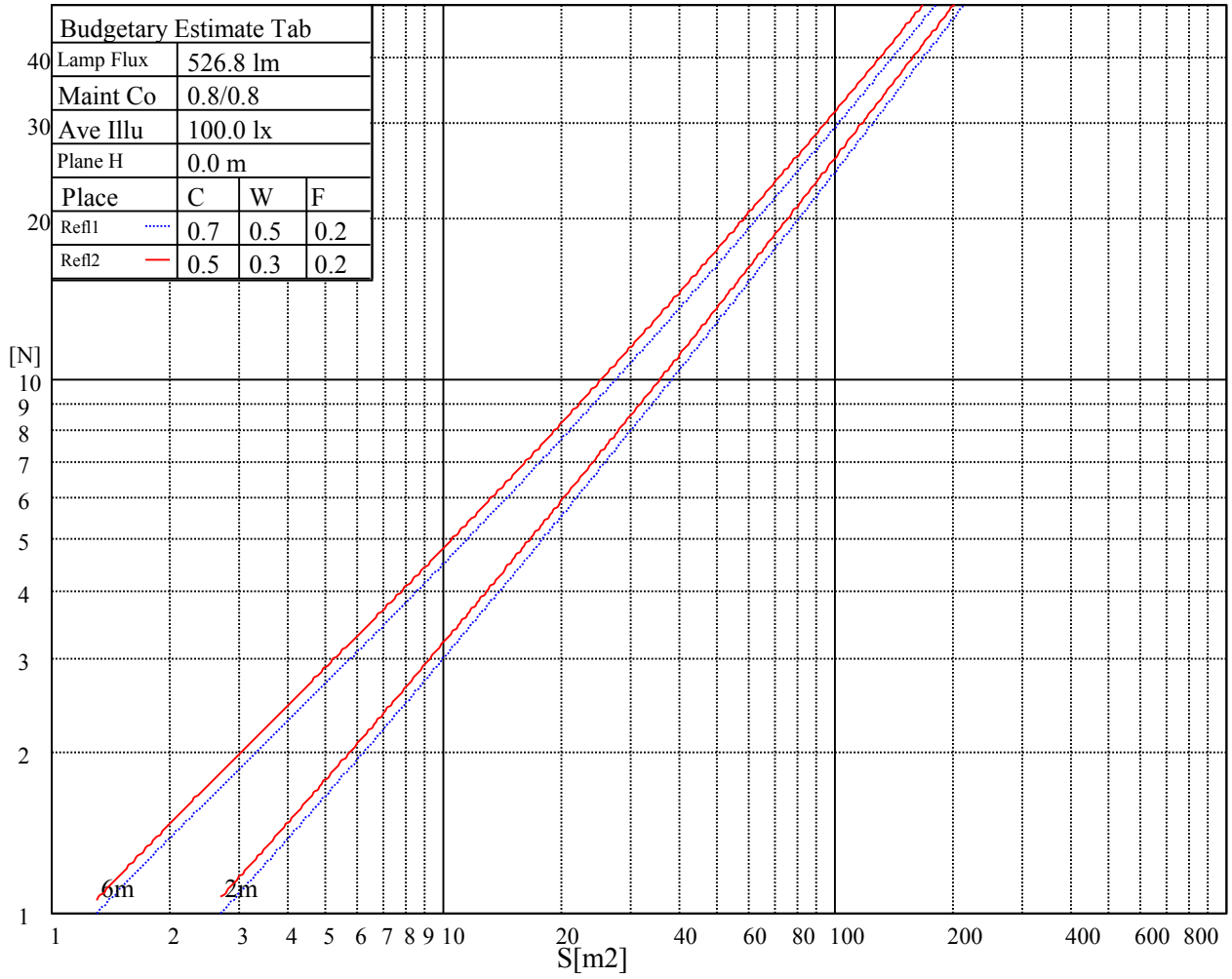
Date: 2024/12/12
Humidity(%): 60.0%

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	7.63	8.65	7.99	8.96	9.27	7.50	8.52	7.86	8.83	9.14
	3H	9.46	10.37	9.85	10.71	11.06	9.24	10.15	9.62	10.49	10.83
	4H	10.53	11.38	10.93	11.74	12.10	10.25	11.10	10.65	11.45	11.82
	6H	12.06	12.84	12.48	13.22	13.62	11.68	12.46	12.10	12.84	13.23
	8H	12.61	13.36	13.03	13.74	14.15	12.20	12.94	12.62	13.33	13.74
	12H	13.07	13.78	13.50	14.18	14.59	12.67	13.38	13.10	13.77	14.19
4H	2H	8.25	9.10	8.65	9.46	9.82	8.15	9.00	8.55	9.35	9.72
	3H	10.24	10.96	10.67	11.36	11.77	10.06	10.78	10.48	11.17	11.59
	4H	11.78	12.40	12.21	12.83	13.27	11.53	12.16	11.97	12.58	13.03
	6H	13.79	14.34	14.26	14.79	15.25	13.47	14.02	13.94	14.47	14.93
	8H	14.39	14.90	14.87	15.36	15.83	14.04	14.55	14.52	15.01	15.48
	12H	14.88	15.36	15.37	15.81	16.33	14.54	15.02	15.03	15.47	15.99
8H	4H	13.07	13.59	13.55	14.04	14.52	12.91	13.43	13.39	13.88	14.36
	6H	15.35	15.78	15.85	16.25	16.76	15.13	15.55	15.63	16.03	16.54
	8H	15.97	16.33	16.50	16.85	17.35	15.72	16.08	16.25	16.60	17.09
	12H	16.48	16.76	17.02	17.28	17.80	16.23	16.51	16.77	17.03	17.55
12H	4H	13.37	13.85	13.86	14.30	14.82	13.24	13.72	13.73	14.17	14.69
	6H	15.67	16.04	16.20	16.56	17.05	15.48	15.84	16.01	16.36	16.86
	8H	16.28	16.57	16.82	17.08	17.61	16.06	16.34	16.60	16.86	17.38
Variation with the observer position at spacings:											
S = 1.0H		0.3/-1.2					0.3/-1.2				
S = 1.5H		0.4/-1.0					0.4/-1.0				
S = 2.0H		0.3/-0.5					0.3/-0.5				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-2.3					-2.3				

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25

Budgetary Estimate Table

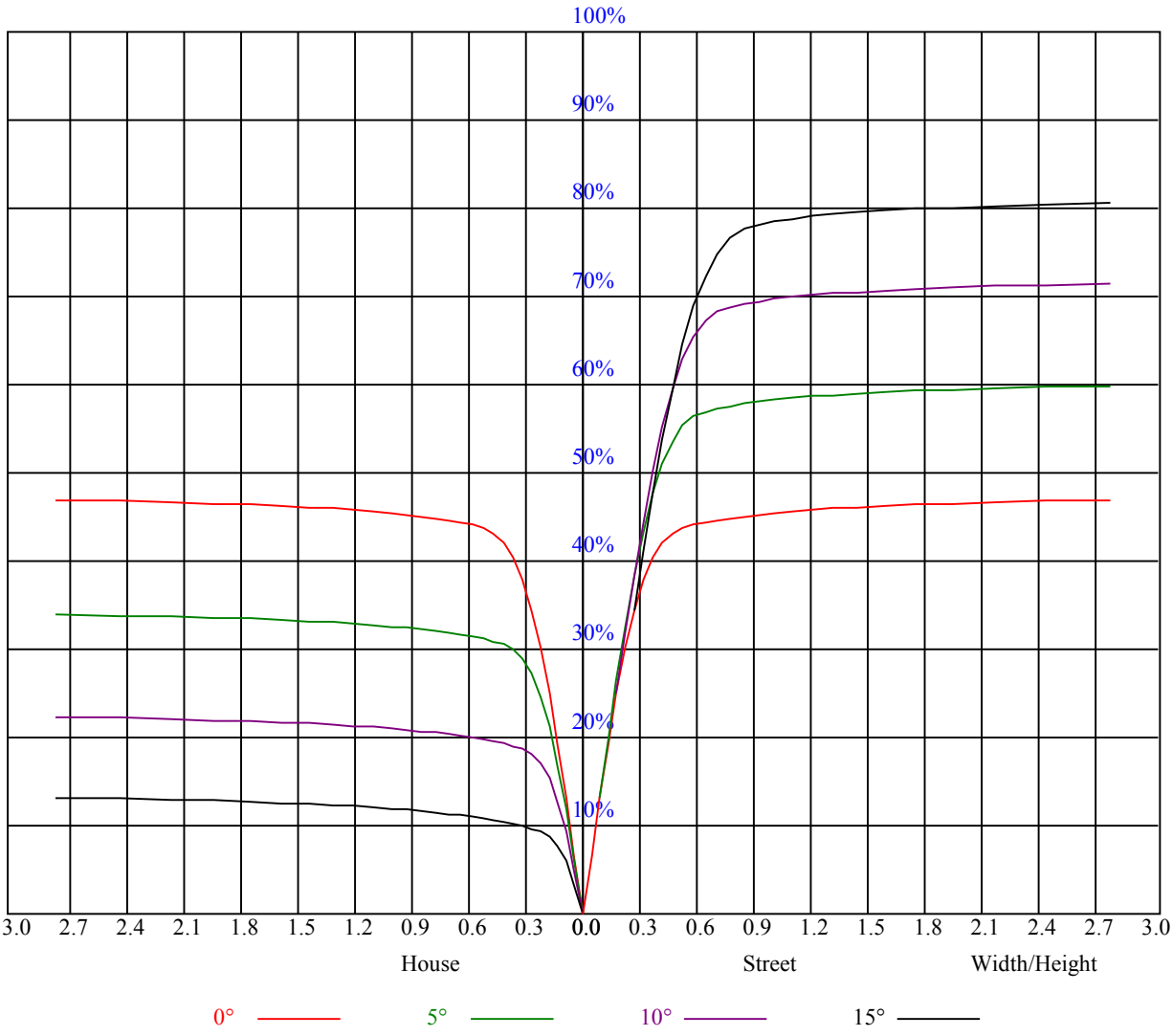


Equipment: GMS1980 Date: 2024/12/12 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

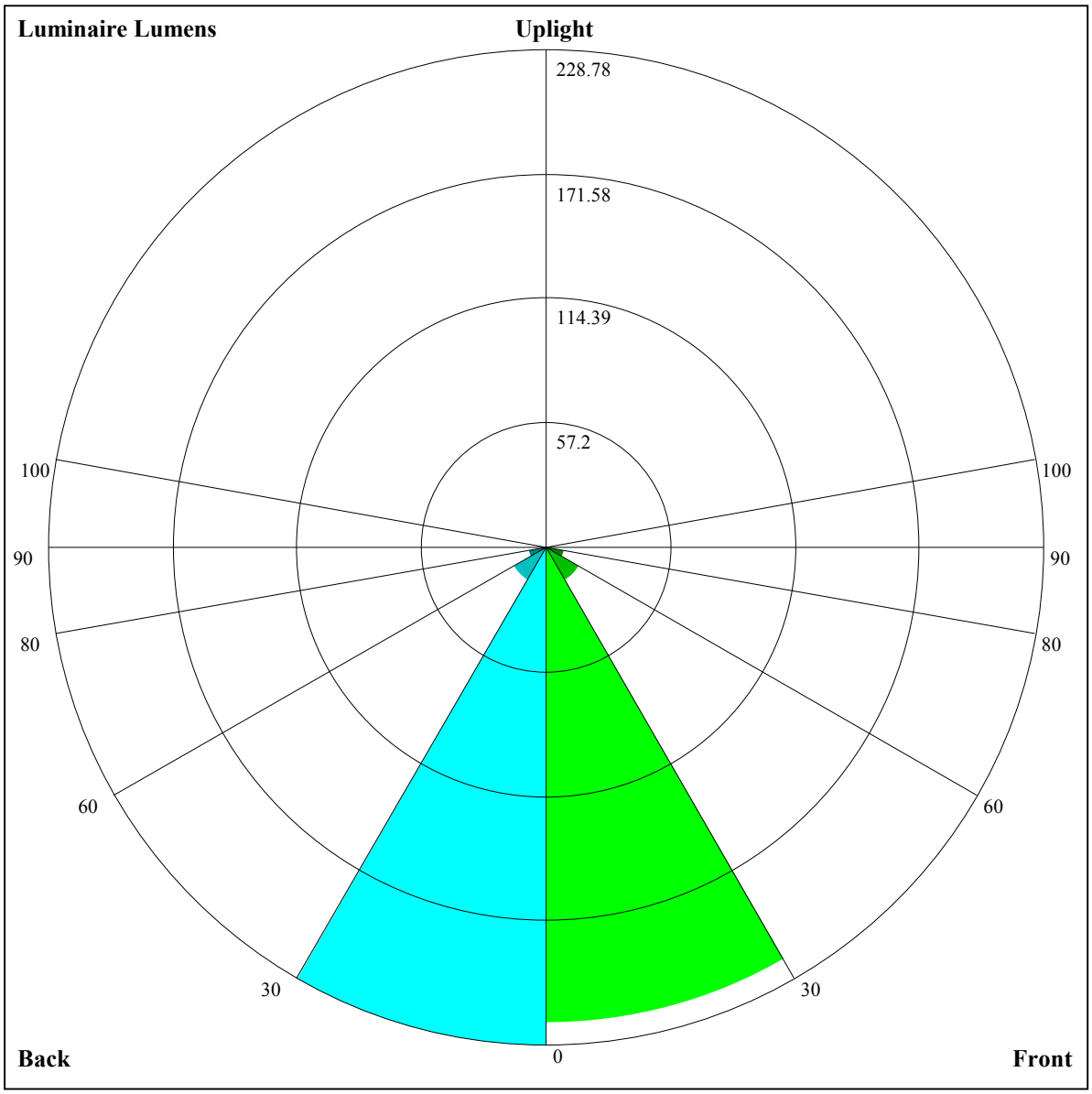
Utilization factor table for indoor luminaire

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	1.14	1.14	1.14	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	0.98	0.98	0.98	0.96
1	1.06	1.04	1.02	1.04	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90
2	1.00	0.96	0.93	0.98	0.95	0.92	0.95	0.92	0.90	0.92	0.90	0.88	0.90	0.88	0.86	0.85
3	0.94	0.90	0.87	0.93	0.89	0.86	0.91	0.87	0.85	0.88	0.86	0.83	0.86	0.84	0.82	0.81
4	0.90	0.85	0.82	0.89	0.84	0.81	0.87	0.83	0.80	0.85	0.82	0.79	0.83	0.81	0.78	0.77
5	0.86	0.81	0.77	0.85	0.80	0.77	0.83	0.79	0.76	0.82	0.78	0.76	0.80	0.77	0.75	0.74
6	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.71
7	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.70	0.68
8	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.74	0.70	0.67	0.73	0.69	0.67	0.66
9	0.73	0.69	0.65	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.64
10	0.71	0.66	0.63	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.62

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/12/12	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=218.86,FM=17.28,FH=8.33,FVH=3.12
BL=228.78,BM=17.22,BH=8.42,BVH=3.04
UL=0,UH=0

BUG Rating:B1-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	1325.01	1315.64	1302.18	1279.95	1258.29	1234.30	1164.25	1164.25	1133.81
45.0	1316.81	1327.35	1333.20	1334.96	1330.27	1322.67	1310.96	1292.82	1275.85
90.0	1338.47	1352.51	1363.63	1367.73	1368.31	1363.05	1354.27	1340.81	1320.91
135.0	1322.67	1339.05	1351.34	1360.71	1364.80	1365.39	1362.46	1355.44	1345.49
180.0	1325.01	1328.52	1327.35	1322.67	1313.30	1299.26	1284.04	1266.49	1245.42
225.0	1316.81	1296.92	1277.02	1254.20	1229.62	1166.65	1166.65	1139.78	1102.62
270.0	1338.47	1319.74	1291.06	1262.39	1230.79	1188.07	1150.61	1112.57	1065.75
315.0	1322.67	1296.33	1270.58	1242.49	1161.96	1161.96	1139.02	1098.99	1068.21
360.0	1325.01	1315.64	1302.18	1279.95	1258.29	1234.30	1164.25	1164.25	1133.81

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1095.19	1063.00	1028.12	990.32	939.05	895.28	847.17	792.45	715.85
45.0	1248.93	1223.76	1193.33	1146.51	1099.11	1043.51	983.24	919.45	833.42
90.0	1290.48	1260.05	1158.34	1158.34	1101.04	1036.43	947.01	867.54	780.75
135.0	1331.45	1310.96	1275.26	1237.22	1190.99	1120.18	1055.22	962.17	881.41
180.0	1215.57	1188.07	1148.27	1111.99	1069.26	1008.99	951.63	886.67	817.62
225.0	1070.38	1034.97	985.75	942.80	896.10	833.18	778.52	721.11	660.89
270.0	1030.05	994.94	959.83	915.94	880.24	842.20	801.23	746.22	698.82
315.0	1037.37	1005.53	961.76	921.61	877.43	828.80	763.48	708.24	650.24
360.0	1095.19	1063.00	1028.12	990.32	939.05	895.28	847.17	792.45	715.85

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	650.13	580.48	492.58	421.95	333.40	265.69	204.59	142.97	105.75
45.0	760.85	684.19	606.35	506.86	429.03	337.15	302.03	302.03	147.36
90.0	670.55	581.42	493.11	407.43	307.13	234.91	172.23	122.14	77.31
135.0	798.31	712.86	602.26	513.30	424.93	341.83	302.62	302.62	126.82
180.0	724.57	650.83	578.26	500.43	399.77	326.61	310.23	310.23	131.97
225.0	584.70	523.48	460.98	398.30	321.82	264.05	196.93	149.88	110.37
270.0	646.15	575.92	521.49	450.10	389.82	328.95	300.86	300.86	156.43
315.0	574.98	515.41	440.32	379.52	319.36	245.79	191.43	144.78	107.04
360.0	650.13	580.48	492.58	421.95	333.40	265.69	204.59	142.97	105.75

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	77.37	57.00	43.54	33.88	29.90	27.62	25.98	24.11	22.71
45.0	96.33	67.94	46.17	37.04	32.01	29.44	27.27	25.69	24.11
90.0	53.49	39.68	31.25	28.15	26.51	25.11	23.99	22.77	21.19
135.0	88.49	56.24	41.20	33.01	27.86	26.10	25.05	23.82	22.77
180.0	94.63	66.36	43.60	33.88	27.92	25.69	24.46	23.12	22.00
225.0	72.16	51.27	38.22	30.14	27.21	25.46	24.05	22.82	21.19
270.0	116.64	83.69	53.90	39.85	31.95	27.97	25.57	24.17	23.00
315.0	71.75	51.91	39.09	31.43	26.92	25.22	23.99	22.36	21.13
360.0	77.37	57.00	43.54	33.88	29.90	27.62	25.98	24.11	22.71

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	21.13	19.96	18.84	17.56	16.68	15.92	15.10	14.57	14.10
45.0	22.59	21.01	19.72	18.49	17.50	16.33	15.57	14.75	14.16
90.0	19.96	18.84	17.85	16.62	15.86	15.16	14.63	14.05	13.58
135.0	21.42	20.25	19.20	18.20	17.09	16.33	15.74	15.16	14.51
180.0	20.89	19.78	18.49	17.56	16.68	15.92	15.16	14.63	14.10
225.0	19.96	18.84	17.79	16.62	15.80	14.86	14.40	13.99	13.46
270.0	21.54	20.42	19.02	18.02	17.09	16.33	15.45	14.92	14.40
315.0	19.90	18.55	17.56	16.62	15.57	14.92	14.34	13.87	13.34
360.0	21.13	19.96	18.84	17.56	16.68	15.92	15.10	14.57	14.10

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	13.58	13.23	12.93	12.58	12.29	11.94	11.65	11.47	11.18
45.0	13.69	13.23	12.87	12.58	12.29	11.94	11.70	11.47	11.24
90.0	13.23	12.87	12.58	12.17	11.88	11.65	11.35	11.12	10.94
135.0	13.99	13.64	13.11	12.70	12.35	11.94	11.65	11.41	11.24
180.0	13.58	13.23	12.87	12.58	12.29	12.00	11.65	11.41	11.18
225.0	13.11	12.82	12.47	12.17	11.82	11.53	11.12	10.89	10.65
270.0	13.93	13.34	12.93	12.58	12.23	11.76	11.47	11.12	10.89
315.0	12.93	12.70	12.47	12.06	11.65	11.35	11.00	10.77	10.48
360.0	13.58	13.23	12.93	12.58	12.29	11.94	11.65	11.47	11.18

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	11.00	10.77	10.59	10.42	10.24	10.07	9.83	9.66	9.42
45.0	11.00	10.83	10.71	10.48	10.30	10.12	9.89	9.71	9.42
90.0	10.83	10.65	10.42	10.30	10.07	9.83	9.66	9.36	9.07
135.0	11.18	11.12	11.12	11.35	11.53	11.82	11.94	11.65	11.18
180.0	10.94	10.65	10.53	10.36	10.18	10.01	9.77	9.60	9.36
225.0	10.48	10.30	10.07	9.95	9.77	9.60	9.36	9.19	9.01
270.0	10.71	10.59	10.48	10.53	10.71	10.83	11.12	11.24	11.00
315.0	10.30	10.12	9.95	9.77	9.60	9.48	9.25	9.07	8.90
360.0	11.00	10.77	10.59	10.42	10.24	10.07	9.83	9.66	9.42

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	9.19	8.95	8.72	8.49	8.13	7.90	7.61	7.43	7.26
45.0	9.19	8.95	8.66	8.43	8.13	7.84	7.61	7.37	7.14
90.0	8.78	8.54	8.19	7.96	7.67	7.37	7.14	6.91	6.79
135.0	10.65	9.89	9.19	8.54	8.08	7.78	7.55	7.20	7.02
180.0	9.19	8.90	8.66	8.37	8.13	7.84	7.61	7.43	7.26
225.0	8.78	8.49	8.25	8.08	7.78	7.55	7.32	7.14	7.02
270.0	10.48	9.83	9.25	8.54	8.08	7.78	7.49	7.32	6.96
315.0	8.66	8.37	8.13	7.90	7.61	7.37	7.14	6.91	6.91
360.0	9.19	8.95	8.72	8.49	8.13	7.90	7.61	7.43	7.26

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.26	7.20	7.14	7.08	7.08	7.02	6.96	6.91	6.85
45.0	6.96	6.91	7.61	9.77	12.58	15.39	17.50	18.38	16.85
90.0	6.79	6.73	6.61	6.50	6.38	6.32	6.26	6.14	6.09
135.0	6.91	6.91	6.85	6.85	6.85	6.73	6.73	6.67	6.67
180.0	7.14	7.08	7.08	7.02	7.02	6.96	6.91	6.91	6.79
225.0	7.14	8.37	11.12	13.81	16.50	16.91	15.39	11.47	7.37
270.0	7.02	7.08	7.02	6.96	6.85	6.73	6.67	6.61	6.55
315.0	7.08	7.20	6.96	6.85	6.61	6.32	6.20	6.14	6.09
360.0	7.26	7.20	7.14	7.08	7.08	7.02	6.96	6.91	6.85

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	6.73	6.55	6.38	6.09	5.97	5.50	4.80	4.21	3.69
45.0	12.76	8.60	6.67	6.73	6.67	6.85	5.44	4.62	3.98
90.0	6.03	5.97	5.91	5.85	5.68	5.33	4.74	4.21	3.75
135.0	6.67	6.61	6.61	6.55	6.50	6.44	6.09	5.50	3.98
180.0	6.67	6.50	6.26	6.03	5.79	5.68	5.09	4.45	4.04
225.0	6.50	6.44	6.38	6.26	6.44	5.15	4.56	4.10	3.51
270.0	6.55	6.50	6.44	6.38	6.26	6.09	5.44	4.27	3.63
315.0	5.97	5.91	5.79	5.74	5.62	5.03	4.33	3.92	3.34
360.0	6.73	6.55	6.38	6.09	5.97	5.50	4.80	4.21	3.69

Intensity data(cd)

C/γ(°)	90.0
0.0	3.16
45.0	3.51
90.0	3.34
135.0	3.45
180.0	3.51
225.0	2.69
270.0	3.04
315.0	2.22
360.0	3.16