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Nata

Client:
LumCAT: 1-0937-N
Luminaire: 92.70.246.00
Report No: 200728-B006
Test No: 200728-C006
LampCAT: TRIDONIC SLE G7 9MM
Lamp flux(lm): 1458.0
Number of Lamps: 1
Length(mm): 0
Phm Type: C

Voltage(V): 35.0400
Current(A): 0.2840
Power (W): 9.9510
PF: 0.0000
Ballast type: DC
Width(mm): 0
Height(mm): 0

Photometric Results

Lumens(lm): 1178.80, Efficiency(%): 80.85% , Luminous Efficacy(lm/W): 118.46
Central intensity(cd): 3326.766, Maximum intensity(cd): 3326.766
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=34.2
[C90/270]Total=34.2
Field angle(10%Imax): [C0/180]Total=55.2
[C90/270]Total=55.2
Maximum s/h(1/2): C0_180=0.57 C90_270=0.57
Maximum s/h(1/4): C0_180=0.55 C90_270=0.55
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 80.85%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.231%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3326.766	0.000	0	.000%	.000%
1.0	3318.398	3.180	3.18	.218%	.270%
2.0	3299.625	9.499	12.678	.652%	1.076%
3.0	3266.367	15.704	28.382	1.077%	2.408%
4.0	3221.508	21.717	50.099	1.490%	4.250%
5.0	3167.930	27.487	77.586	1.885%	6.582%
6.0	3095.156	32.914	110.5	2.258%	9.374%
7.0	3012.609	37.911	148.411	2.600%	12.590%
8.0	2931.750	42.543	190.954	2.918%	16.199%
9.0	2831.555	46.708	237.662	3.204%	20.161%
10.0	2713.148	50.178	287.84	3.442%	24.418%
11.0	2600.297	53.092	340.932	3.642%	28.922%
12.0	2471.555	55.443	396.375	3.803%	33.625%
13.0	2322.563	56.894	453.269	3.902%	38.452%
14.0	2169.352	57.496	510.765	3.944%	43.329%
15.0	2015.719	57.455	568.219	3.941%	48.203%
16.0	1845.914	56.584	624.803	3.881%	53.003%
17.0	1679.273	54.897	679.7	3.765%	57.660%
18.0	1516.008	52.683	732.383	3.613%	62.129%
19.0	1355.133	49.952	782.335	3.426%	66.367%
20.0	1202.716	46.816	829.151	3.211%	70.338%
21.0	1056.853	43.388	872.539	2.976%	74.019%
22.0	932.147	39.970	912.509	2.741%	77.410%
23.0	816.300	36.687	949.196	2.516%	80.522%
24.0	693.647	33.013	982.209	2.264%	83.322%
25.0	579.762	28.955	1011.163	1.986%	85.779%
26.0	479.967	25.015	1036.178	1.716%	87.901%
27.0	385.305	21.169	1057.347	1.452%	89.697%
28.0	301.163	17.380	1074.727	1.192%	91.171%
29.0	230.203	13.902	1088.629	.954%	92.350%
30.0	164.201	10.649	1099.278	.730%	93.254%
31.0	116.051	7.799	1107.077	.535%	93.915%
32.0	78.286	5.568	1112.645	.382%	94.388%
33.0	59.773	4.067	1116.712	.279%	94.733%
34.0	49.908	3.319	1120.031	.228%	95.014%
35.0	43.587	2.904	1122.935	.199%	95.261%
36.0	38.967	2.629	1125.563	.180%	95.484%
37.0	35.452	2.427	1127.99	.166%	95.689%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	32.091	2.254	1130.245	.155%	95.881%
39.0	29.229	2.093	1132.338	.144%	96.058%
40.0	26.930	1.959	1134.296	.134%	96.224%
41.0	24.778	1.841	1136.138	.126%	96.381%
42.0	22.873	1.731	1137.869	.119%	96.527%
43.0	21.143	1.630	1139.499	.112%	96.666%
44.0	19.596	1.538	1141.037	.105%	96.796%
45.0	18.267	1.455	1142.492	.100%	96.920%
46.0	17.009	1.380	1143.872	.095%	97.037%
47.0	15.848	1.307	1145.179	.090%	97.148%
48.0	14.878	1.242	1146.421	.085%	97.253%
49.0	13.936	1.183	1147.604	.081%	97.353%
50.0	13.078	1.126	1148.73	.077%	97.449%
51.0	12.347	1.076	1149.806	.074%	97.540%
52.0	11.700	1.032	1150.838	.071%	97.628%
53.0	11.081	0.991	1151.829	.068%	97.712%
54.0	10.540	0.953	1152.782	.065%	97.793%
55.0	10.083	0.921	1153.702	.063%	97.871%
56.0	9.675	0.893	1154.595	.061%	97.946%
57.0	9.309	0.868	1155.463	.060%	98.020%
58.0	8.979	0.846	1156.309	.058%	98.092%
59.0	8.712	0.827	1157.136	.057%	98.162%
60.0	8.459	0.811	1157.947	.056%	98.231%
61.0	8.213	0.796	1158.743	.055%	98.298%
62.0	7.995	0.781	1159.524	.054%	98.364%
63.0	7.798	0.768	1160.292	.053%	98.430%
64.0	7.615	0.756	1161.048	.052%	98.494%
65.0	7.453	0.746	1161.794	.051%	98.557%
66.0	7.313	0.737	1162.53	.051%	98.619%
67.0	7.172	0.728	1163.259	.050%	98.681%
68.0	7.038	0.720	1163.978	.049%	98.742%
69.0	6.940	0.713	1164.692	.049%	98.803%
70.0	6.820	0.707	1165.398	.048%	98.863%
71.0	6.750	0.701	1166.1	.048%	98.922%
72.0	6.659	0.697	1166.797	.048%	98.981%
73.0	6.567	0.692	1167.488	.047%	99.040%
74.0	6.504	0.687	1168.176	.047%	99.098%
75.0	6.427	0.683	1168.859	.047%	99.156%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.349	0.678	1169.537	.047%	99.214%
77.0	6.293	0.674	1170.211	.046%	99.271%
78.0	6.230	0.670	1170.881	.046%	99.328%
79.0	6.180	0.667	1171.548	.046%	99.385%
80.0	6.138	0.664	1172.212	.046%	99.441%
81.0	6.145	0.664	1172.877	.046%	99.497%
82.0	6.216	0.670	1173.547	.046%	99.554%
83.0	6.265	0.678	1174.225	.047%	99.612%
84.0	6.300	0.685	1174.91	.047%	99.670%
85.0	6.307	0.688	1175.598	.047%	99.728%
86.0	6.054	0.676	1176.274	.046%	99.785%
87.0	5.780	0.648	1176.921	.044%	99.840%
88.0	5.730	0.631	1177.552	.043%	99.894%
89.0	5.716	0.627	1178.179	.043%	99.947%
90.0	5.674	0.625	1178.804	.043%	100.000%

Zonal flux distribution table

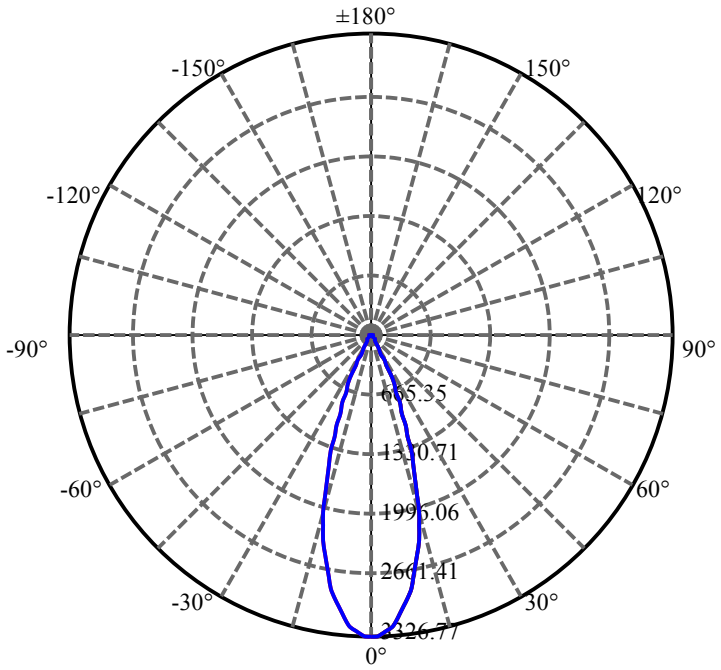
ZONAL LUMEN SUMMARY

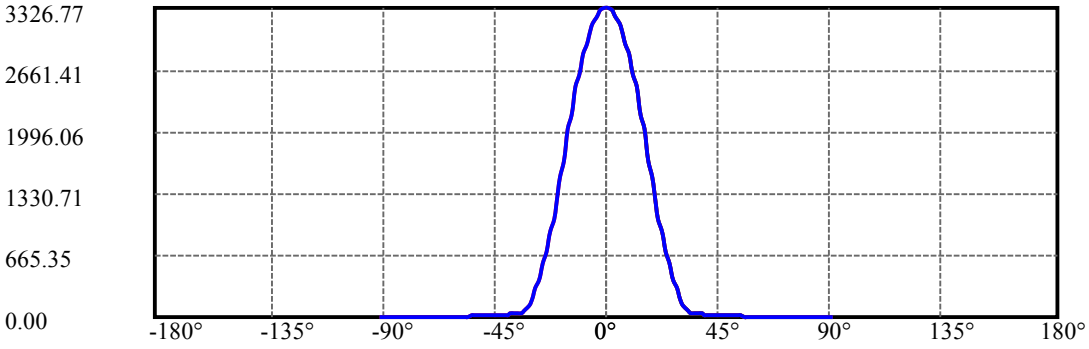
Zone	Lumens	%Lamp	%Fixt
0-30	1099.28	75.40%	93.25%
0-40	1134.30	77.80%	96.22%
0-60	1157.95	79.42%	98.23%
0-90	1178.18	80.81%	99.95%
0-120	1178.18	80.81%	99.95%
0-180	1178.80	80.85%	100.00%
60-90	21.04	1.44%	1.79%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-22.83	943.04	64.68%	80.00%

ZONAL LUMEN SUMMARY

0-10	287.84
10-20	541.31
20-30	270.13
30-40	35.02
40-50	14.43
50-60	9.22
60-70	7.45
70-80	6.81
80-90	5.97
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):

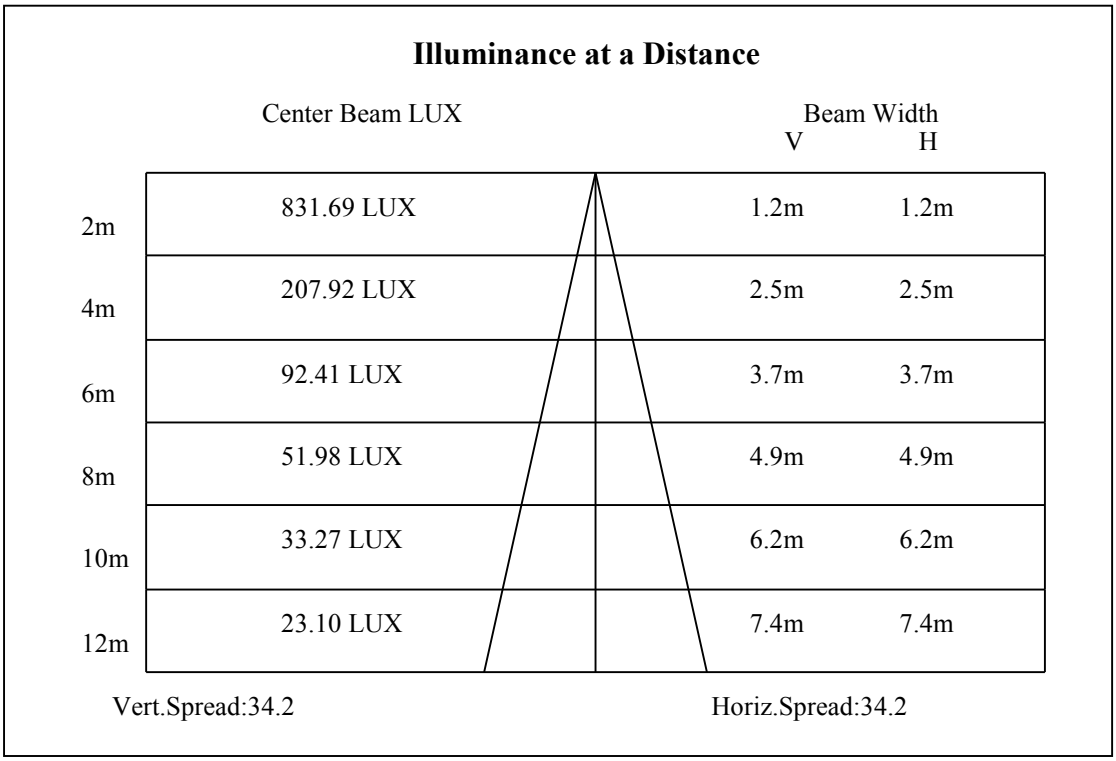
C0/C180:

C90/C270:

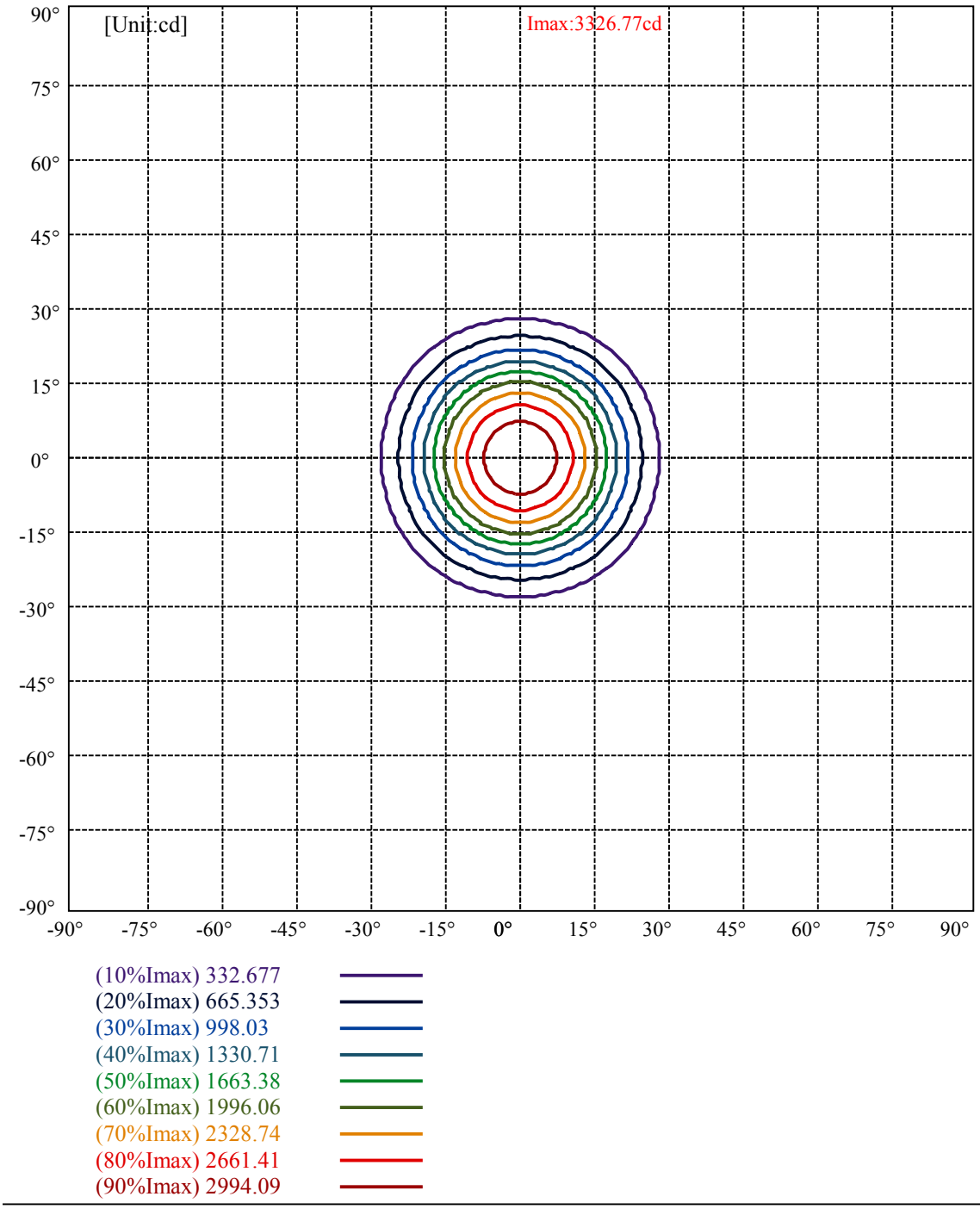
Field angle(10%Imax):C0/180Left:27.6 Right:27.6
:C90/270Left:27.6 Right:27.6

Beam Angle(50%Imax):C0/180Left:17.1 Right:17.1
:C90/270Left:17.1 Right:17.1

Lux distance Curve



ISO-Intensity(V-H)

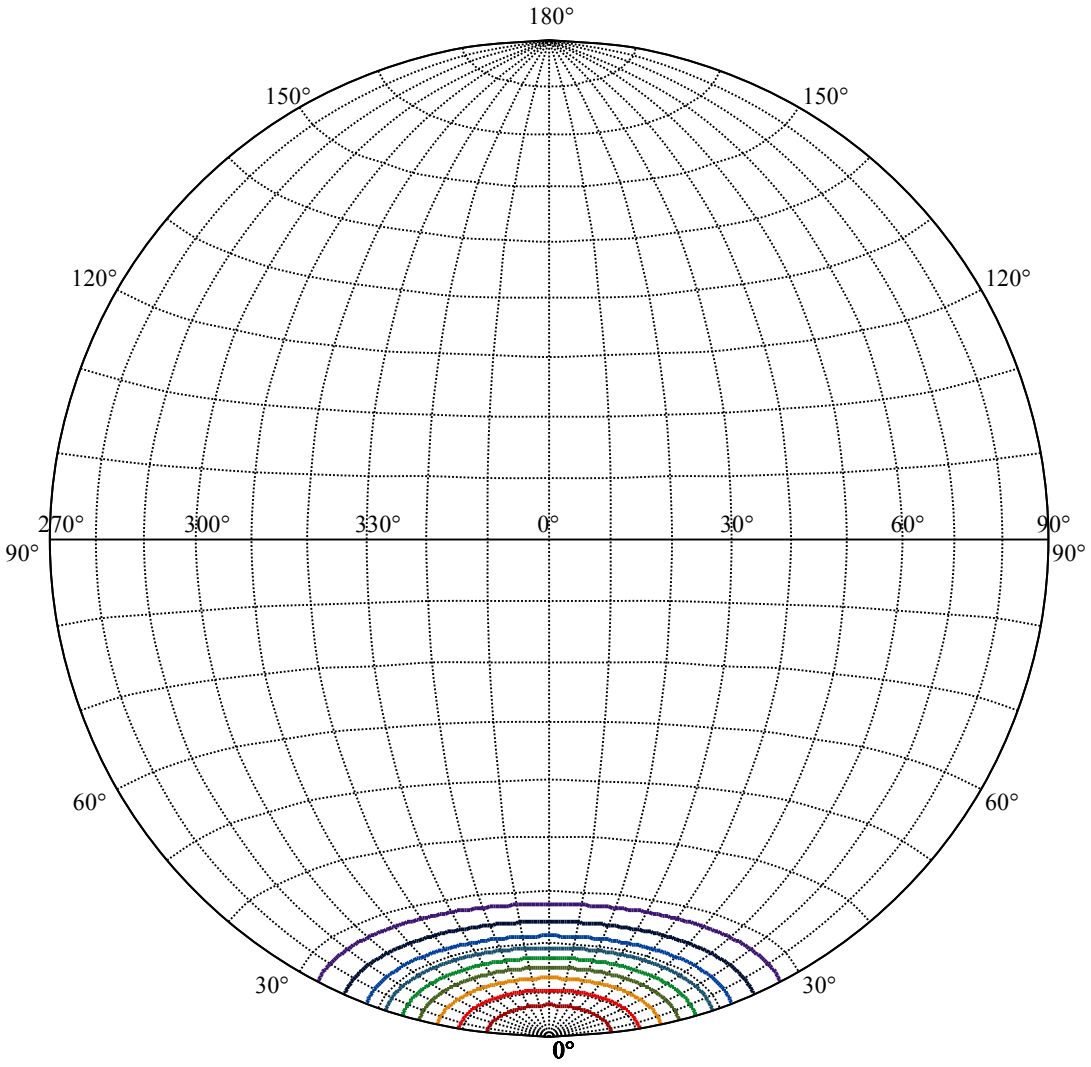


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/7/30
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

ISO candela diagram on circular web



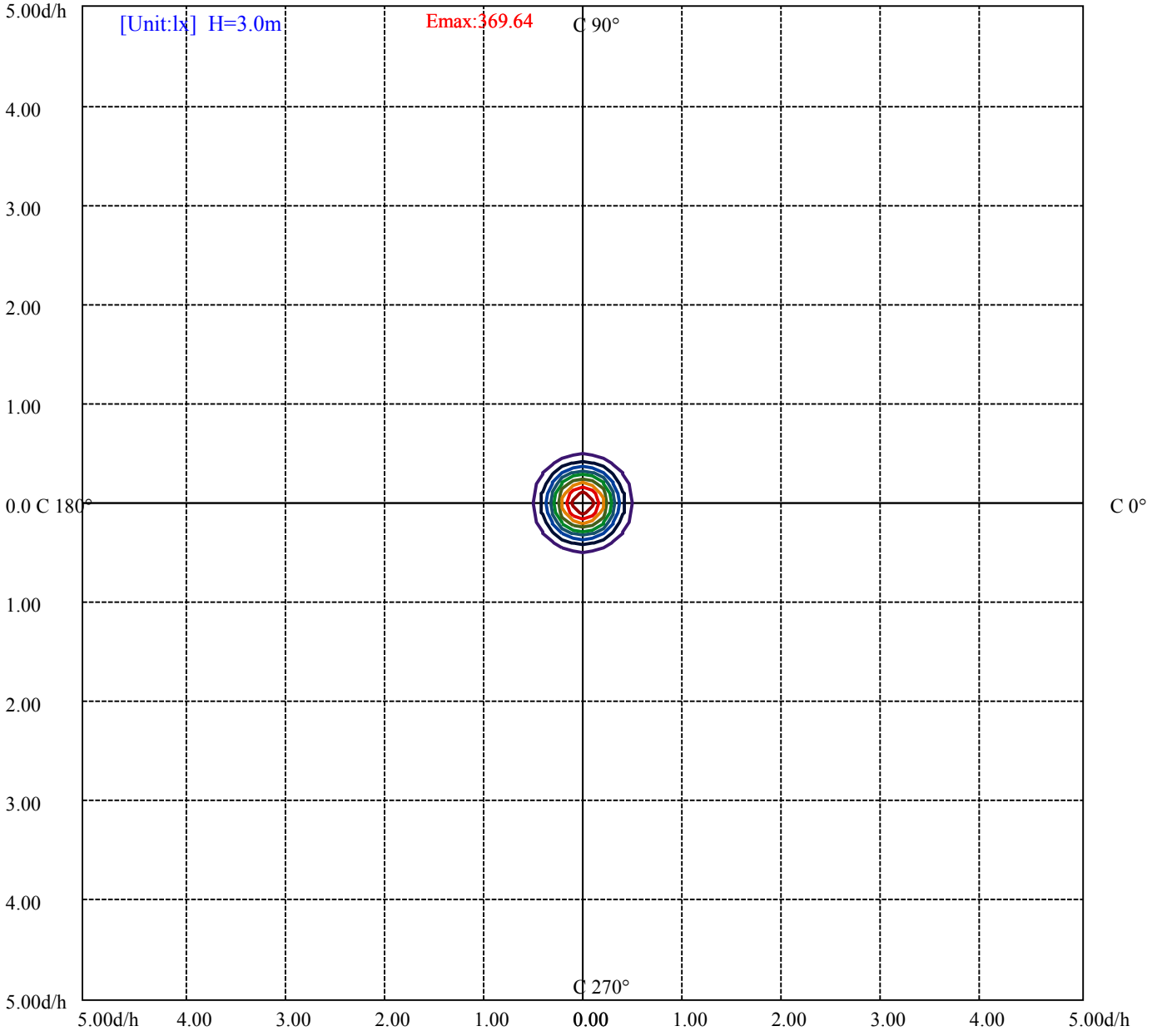
House [Unit:cd] Road

Imax:3326.77

(10%Imax) 332.677
(20%Imax) 665.353
(30%Imax) 998.03
(40%Imax) 1330.71
(50%Imax) 1663.38
(60%Imax) 1996.06
(70%Imax) 2328.74
(80%Imax) 2661.41
(90%Imax) 2994.09

Equipment: GMS1980 Date: 2020/7/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.50

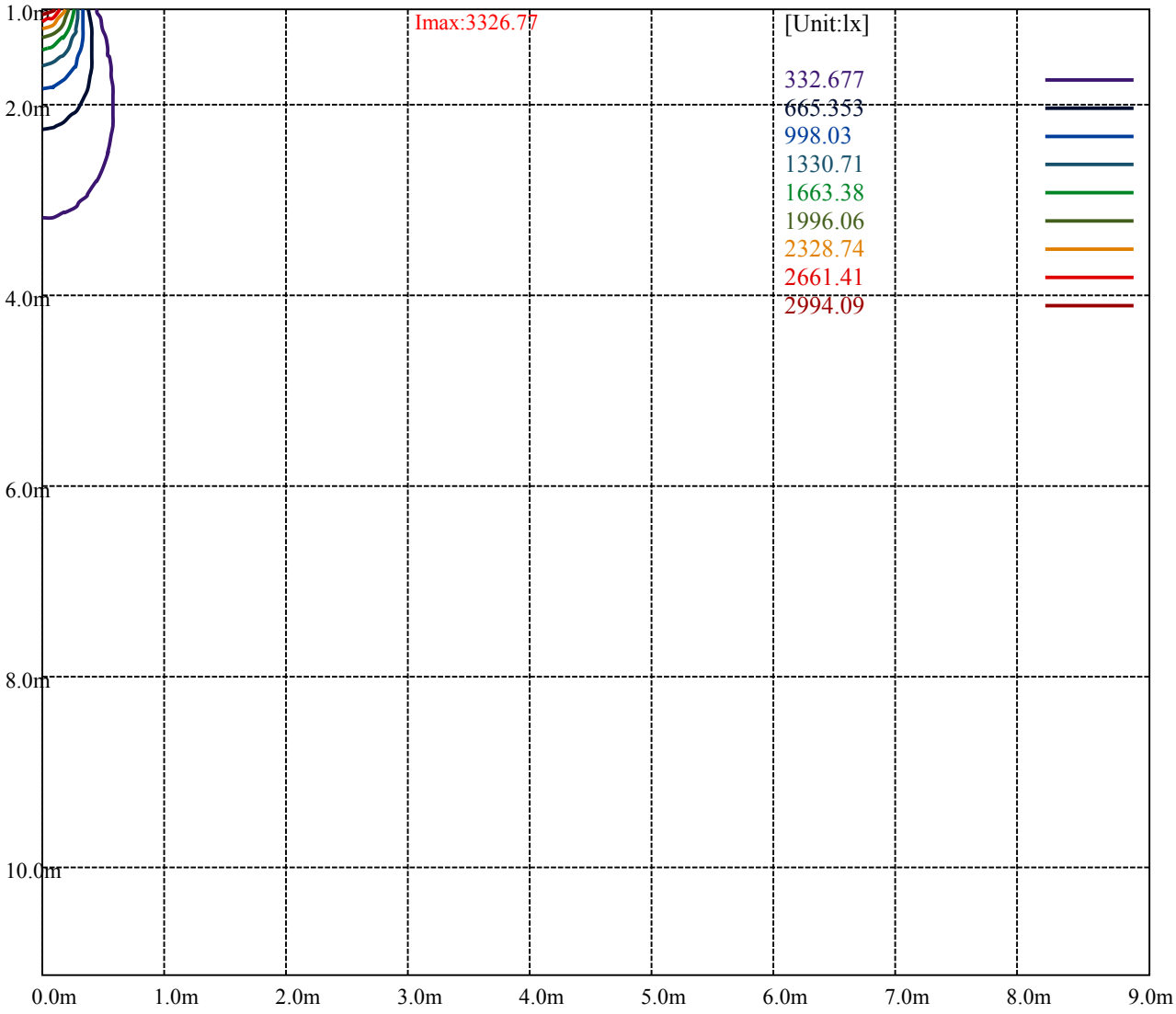
ISO illuminance diagram



(10%Emax) 36.964
(20%Emax) 73.92812
(30%Emax) 110.8921
(40%Emax) 147.8567
(50%Emax) 184.82
(60%Emax) 221.7845
(70%Emax) 258.7489
(80%Emax) 295.7122
(90%Emax) 332.6767

Equipment: GMS1980
Temperature(°C): 25.0
Date: 2020/7/30
Humidity(%): 65.0%
Operator: NT07
Distance(m): 7.50

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/7/30
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Luminance Limitting Curve(no luminous side)

Luminance Table

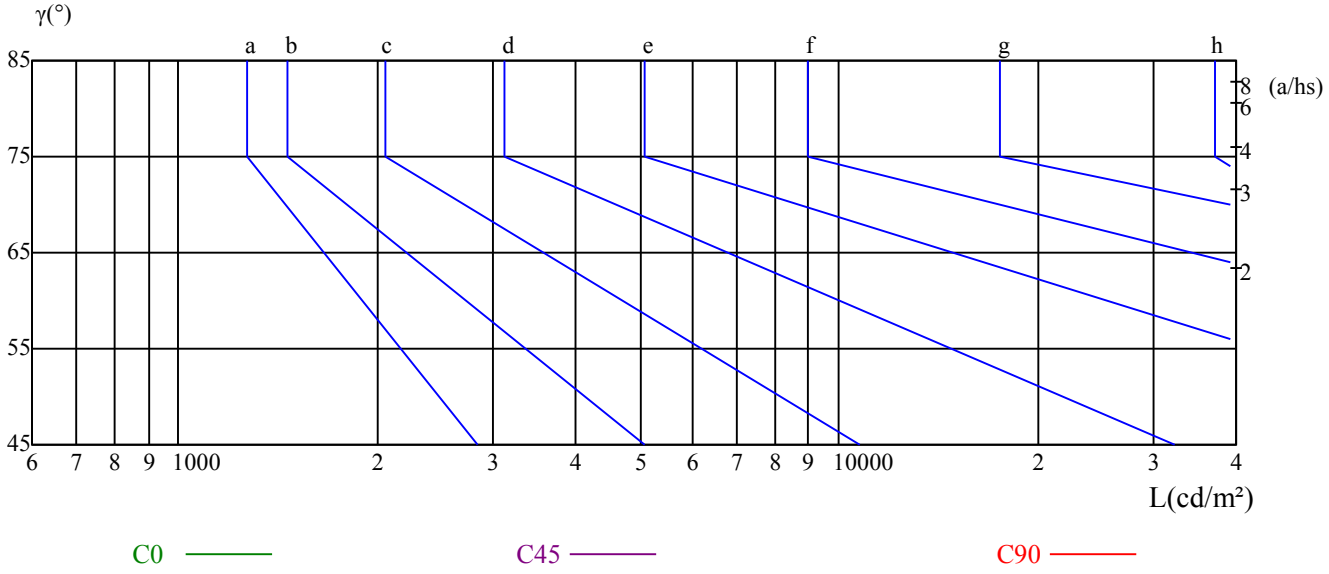
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

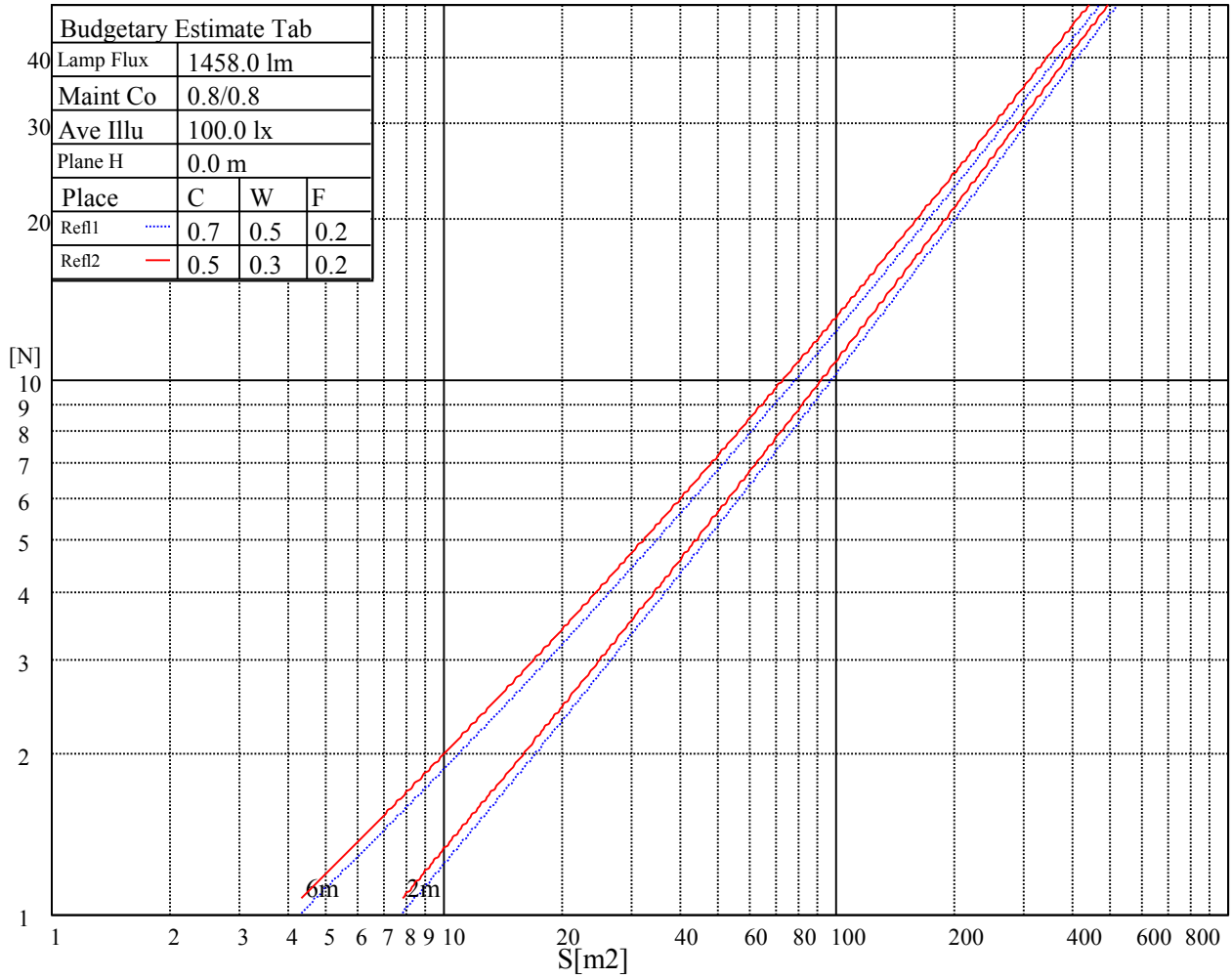
Luminance Limitting Curve



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

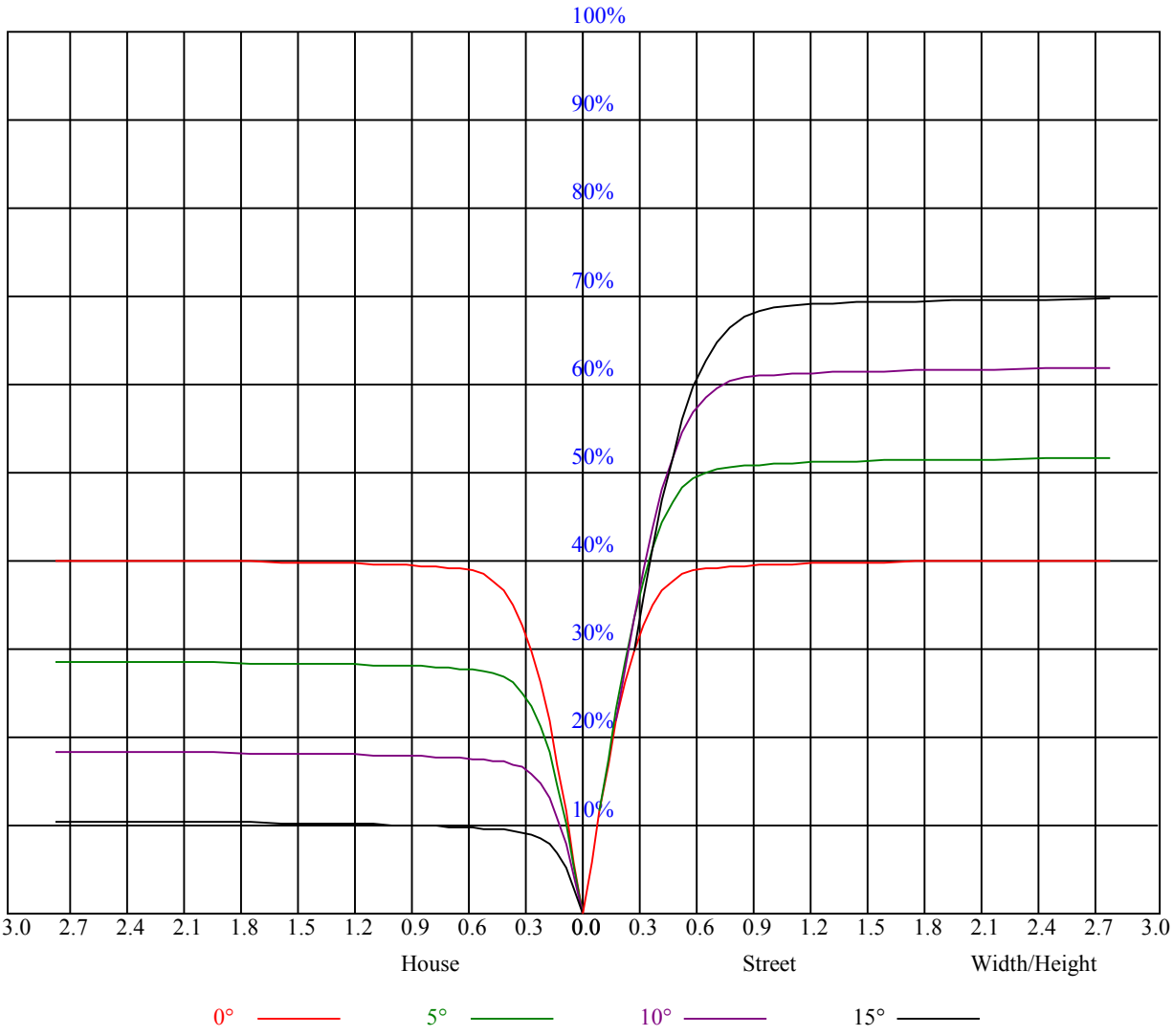


Equipment: GMS1980 Date: 2020/7/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.50

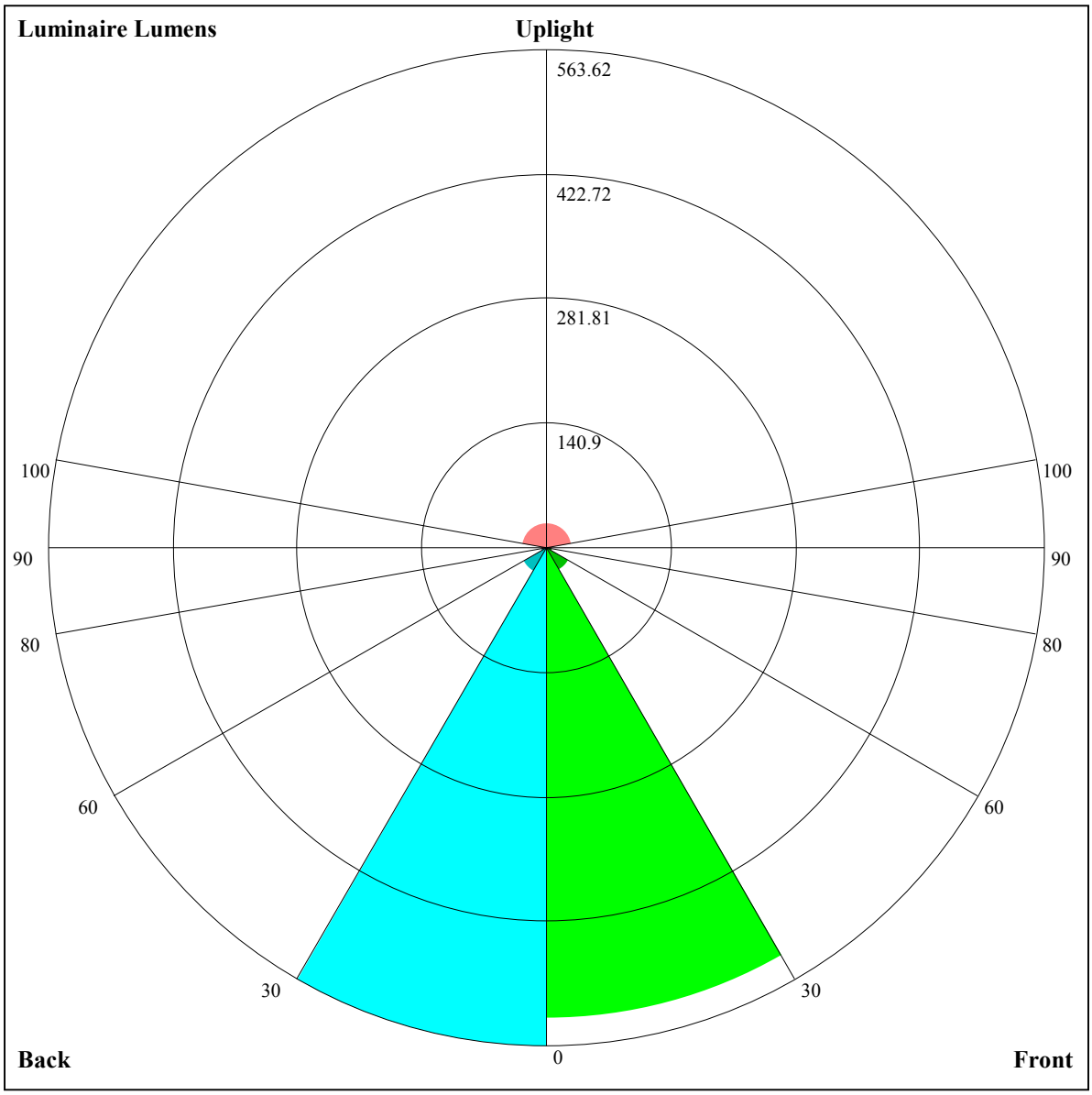
Utilization factor table for indoor luminaire

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	0.96	0.96	0.96	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.83	0.83	0.83	0.81
1	0.90	0.89	0.87	0.89	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.81	0.80	0.79	0.78	0.77
2	0.86	0.83	0.81	0.84	0.82	0.80	0.82	0.80	0.78	0.79	0.78	0.76	0.77	0.76	0.75	0.73
3	0.81	0.78	0.75	0.80	0.77	0.75	0.78	0.76	0.74	0.76	0.74	0.73	0.75	0.73	0.71	0.70
4	0.78	0.74	0.71	0.77	0.73	0.71	0.75	0.72	0.70	0.74	0.71	0.69	0.72	0.70	0.68	0.67
5	0.74	0.71	0.68	0.74	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.70	0.68	0.66	0.65
6	0.71	0.67	0.65	0.71	0.67	0.65	0.70	0.66	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
7	0.68	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.66	0.63	0.61	0.65	0.63	0.61	0.60
8	0.66	0.62	0.60	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.59	0.63	0.61	0.59	0.58
9	0.64	0.60	0.57	0.63	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.61	0.59	0.57	0.56
10	0.61	0.58	0.55	0.61	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.60	0.57	0.55	0.54

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2020/7/30	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 65.0%	Distance(m): 7.50



Luminaire Lumens:
FL=533.7,FM=28.65,FH=7.11,FVH=3.3
BL=563.62,BM=31.6,BH=7.16,BVH=3.27
UL=6.19,UH=29.46

BUG Rating:B2-U2-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	3325.50	3315.38	3283.31	3246.75	3192.75	3137.06	3056.06	2972.81	2891.81
45.0	3331.13	3313.13	3281.06	3242.81	3192.75	3129.19	3056.06	2967.75	2885.63
90.0	3326.06	3305.81	3279.94	3238.88	3194.44	3132.00	3054.94	2980.13	2895.75
135.0	3324.38	3326.06	3314.81	3287.25	3255.19	3209.06	3139.88	3069.56	2994.19
180.0	3325.50	3321.56	3313.13	3290.06	3247.31	3199.50	3137.63	3050.44	2966.63
225.0	3331.13	3333.38	3322.13	3296.81	3265.31	3215.81	3140.44	3070.13	2993.63
270.0	3326.06	3327.75	3318.75	3291.75	3249.00	3197.25	3138.75	3052.13	2965.50
315.0	3324.38	3304.13	3283.88	3236.63	3175.31	3123.56	3037.50	2937.94	2860.88
360.0	3325.50	3315.38	3283.31	3246.75	3192.75	3137.06	3056.06	2972.81	2891.81

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2774.25	2670.19	2561.06	2423.25	2268.56	2121.19	1955.81	1796.06	1620.56
45.0	2782.69	2664.00	2545.31	2419.31	2246.06	2097.56	1953.00	1761.75	1607.63
90.0	2781.00	2670.19	2556.00	2410.88	2259.56	2116.13	1945.13	1773.56	1618.31
135.0	2892.38	2795.63	2693.81	2558.25	2419.88	2285.44	2125.69	1955.81	1801.69
180.0	2874.38	2759.63	2631.94	2516.06	2387.81	2216.25	2073.94	1927.69	1737.56
225.0	2901.94	2775.94	2662.88	2540.25	2396.25	2240.44	2093.06	1923.19	1748.81
270.0	2881.69	2756.25	2645.44	2524.50	2381.06	2223.00	2076.19	1900.69	1742.63
315.0	2764.13	2613.38	2505.94	2379.94	2221.31	2054.81	1902.94	1728.56	1557.00
360.0	2774.25	2670.19	2561.06	2423.25	2268.56	2121.19	1955.81	1796.06	1620.56

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1452.94	1310.06	1149.19	1007.44	892.69	793.13	643.50	543.94	458.44
45.0	1453.50	1289.25	1136.81	1005.75	874.69	763.31	638.44	527.06	436.50
90.0	1449.00	1301.06	1103.91	993.49	881.04	755.55	648.73	537.47	433.91
135.0	1629.00	1474.88	1312.31	1154.25	1021.50	904.50	763.31	657.00	548.44
180.0	1581.19	1431.00	1269.00	1111.22	983.59	860.18	734.23	632.64	521.33
225.0	1581.75	1431.56	1284.75	1109.14	982.74	869.34	757.80	621.39	522.96
270.0	1573.31	1405.13	1259.44	1106.44	966.38	855.56	744.19	610.88	511.31
315.0	1407.38	1198.13	1106.33	967.11	854.55	728.83	618.98	507.71	406.86
360.0	1452.94	1310.06	1149.19	1007.44	892.69	793.13	643.50	543.94	458.44

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	348.75	290.25	195.92	138.60	95.01	68.34	52.88	46.52	41.18
45.0	344.25	289.13	194.74	141.13	94.95	67.16	55.13	46.63	41.40
90.0	348.41	263.36	191.08	139.61	99.11	67.16	55.35	48.99	43.31
135.0	438.19	351.56	285.75	207.62	144.62	97.71	68.57	54.11	46.07
180.0	429.98	336.60	253.24	188.38	136.80	87.13	62.66	50.01	43.14
225.0	430.59	327.38	254.98	193.44	134.83	91.24	66.88	52.20	45.96
270.0	416.25	308.25	290.25	177.53	134.49	85.33	64.74	54.62	46.80
315.0	326.03	242.78	175.67	127.29	88.59	62.21	51.98	46.18	40.84
360.0	348.75	290.25	195.92	138.60	95.01	68.34	52.88	46.52	41.18

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	36.84	33.64	30.49	27.73	25.65	23.85	21.77	20.36	19.01
45.0	37.35	33.75	30.71	28.35	26.04	24.19	22.28	20.53	19.13
90.0	38.98	35.66	32.46	29.59	27.28	24.98	23.23	21.38	19.74
135.0	40.78	37.07	33.58	30.54	28.24	26.04	23.79	22.22	20.70
180.0	39.09	35.61	32.40	29.70	27.39	25.20	23.40	21.66	20.03
225.0	40.67	36.51	33.19	30.04	27.34	25.26	23.34	21.32	19.86
270.0	41.57	38.19	33.86	30.60	28.35	25.59	23.68	21.94	20.03
315.0	36.45	33.19	30.04	27.28	25.14	23.12	21.49	19.74	18.28
360.0	36.84	33.64	30.49	27.73	25.65	23.85	21.77	20.36	19.01

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	17.61	16.43	15.41	14.34	13.44	12.71	11.93	11.36	10.80
45.0	17.89	16.54	15.53	14.63	13.56	12.83	12.15	11.48	10.91
90.0	18.39	17.10	15.92	14.96	14.06	13.22	12.43	11.81	11.19
135.0	19.13	17.78	16.71	15.64	14.57	13.78	12.94	12.26	11.59
180.0	18.79	17.49	16.31	15.36	14.46	13.44	12.71	12.04	11.31
225.0	18.51	17.21	16.03	15.02	14.01	13.16	12.49	11.76	11.14
270.0	18.68	17.44	16.09	15.08	14.18	13.16	12.43	11.76	11.14
315.0	17.16	16.09	14.79	14.01	13.22	12.32	11.70	11.14	10.58
360.0	17.61	16.43	15.41	14.34	13.44	12.71	11.93	11.36	10.80

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	10.24	9.84	9.45	9.11	8.78	8.55	8.27	8.04	7.88
45.0	10.41	9.96	9.56	9.23	8.89	8.66	8.38	8.16	7.93
90.0	10.52	10.13	9.73	9.34	9.00	8.78	8.55	8.21	7.99
135.0	10.97	10.52	10.07	9.62	9.28	9.00	8.66	8.44	8.27
180.0	10.80	10.29	9.79	9.45	9.11	8.78	8.55	8.33	8.04
225.0	10.63	10.07	9.73	9.34	9.00	8.72	8.49	8.21	7.99
270.0	10.63	10.18	9.73	9.39	9.06	8.72	8.49	8.27	8.04
315.0	10.13	9.68	9.34	9.00	8.72	8.49	8.27	8.04	7.82
360.0	10.24	9.84	9.45	9.11	8.78	8.55	8.27	8.04	7.88

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	7.65	7.48	7.37	7.20	7.09	6.98	6.86	6.75	6.64
45.0	7.76	7.54	7.43	7.26	7.14	7.03	6.92	6.81	6.69
90.0	7.76	7.59	7.43	7.31	7.14	7.03	6.92	6.81	6.75
135.0	8.04	7.82	7.65	7.48	7.31	7.20	7.09	6.98	6.92
180.0	7.88	7.71	7.48	7.37	7.20	7.03	6.98	6.81	6.75
225.0	7.82	7.59	7.43	7.31	7.14	7.03	6.92	6.75	6.75
270.0	7.82	7.65	7.48	7.31	7.20	7.03	6.92	6.81	6.75
315.0	7.65	7.54	7.37	7.26	7.14	6.98	6.92	6.86	6.75
360.0	7.65	7.48	7.37	7.20	7.09	6.98	6.86	6.75	6.64

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.58	6.47	6.41	6.30	6.24	6.19	6.13	6.08	6.02
45.0	6.64	6.53	6.47	6.41	6.30	6.24	6.19	6.13	6.08
90.0	6.64	6.53	6.47	6.41	6.36	6.30	6.19	6.13	6.08
135.0	6.81	6.69	6.64	6.58	6.47	6.41	6.36	6.30	6.24
180.0	6.64	6.58	6.47	6.36	6.30	6.19	6.13	6.13	6.08
225.0	6.64	6.53	6.47	6.36	6.30	6.30	6.19	6.13	6.08
270.0	6.64	6.58	6.53	6.47	6.36	6.30	6.24	6.19	6.13
315.0	6.69	6.64	6.58	6.53	6.47	6.41	6.41	6.36	6.41
360.0	6.58	6.47	6.41	6.30	6.24	6.19	6.13	6.08	6.02

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.96	5.91	5.91	5.85	5.85	5.79	5.68	5.68	5.68
45.0	6.02	5.96	5.96	5.91	5.85	5.79	5.79	5.68	5.74
90.0	6.02	6.02	5.96	5.91	5.85	5.79	5.79	5.74	5.74
135.0	6.24	6.64	6.92	7.20	7.43	7.59	5.79	5.79	5.74
180.0	6.02	5.96	5.91	5.85	5.85	5.79	5.74	5.68	5.68
225.0	6.02	5.96	5.96	5.96	5.91	5.91	5.79	5.79	5.68
270.0	6.08	6.08	6.02	5.96	5.96	5.91	5.85	5.79	5.74
315.0	6.81	7.20	7.48	7.76	7.76	5.85	5.79	5.68	5.74
360.0	5.96	5.91	5.91	5.85	5.85	5.79	5.68	5.68	5.68

Intensity data(cd)

C/γ(°)	90.0
0.0	5.68
45.0	5.68
90.0	5.68
135.0	5.68
180.0	5.63
225.0	5.68
270.0	5.68
315.0	5.68
360.0	5.68