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

Nata

Client:
LumCAT: 1-0938-N
Luminaire: 92.70.246.00

Report No: 200728-B007	Voltage(V): 35.0400
Test No: 200728-C007	Current(A): 0.2840
LampCAT: TRIDONIC SLE G7 9MM	Power (W): 9.9510
Lamp flux(lm): 1458.0	PF: 0.0000
Number of Lamps: 1	Ballast type: DC
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1135.86, Efficiency(%): 77.91% , Luminous Efficacy(lm/W): 114.15
Central intensity(cd): 2514.375, Maximum intensity(cd): 2514.375
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=40.2
[C90/270]Total=40.2
Field angle(10%Imax): [C0/180]Total=59.8
[C90/270]Total=59.8
Maximum s/h(1/2): C0_180=0.66 C90_270=0.66
Maximum s/h(1/4): C0_180=0.63 C90_270=0.63
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 77.91%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.989%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2514.375	0.000	0	.000%	.000%
1.0	2511.773	2.405	2.405	.165%	.212%
2.0	2500.945	7.195	9.6	.493%	.845%
3.0	2483.016	11.920	21.52	.818%	1.895%
4.0	2459.109	16.543	38.063	1.135%	3.351%
5.0	2430.352	21.034	59.097	1.443%	5.203%
6.0	2387.461	25.319	84.416	1.737%	7.432%
7.0	2344.359	29.370	113.786	2.014%	10.018%
8.0	2296.547	33.214	147	2.278%	12.942%
9.0	2240.719	36.772	183.772	2.522%	16.179%
10.0	2178.000	39.988	223.76	2.743%	19.700%
11.0	2111.766	42.864	266.623	2.940%	23.473%
12.0	2044.617	45.435	312.059	3.116%	27.473%
13.0	1965.727	47.593	359.651	3.264%	31.663%
14.0	1880.789	49.235	408.886	3.377%	35.998%
15.0	1802.109	50.560	459.447	3.468%	40.449%
16.0	1708.031	51.433	510.88	3.528%	44.977%
17.0	1605.586	51.602	562.482	3.539%	49.520%
18.0	1505.109	51.289	613.771	3.518%	54.036%
19.0	1398.586	50.518	664.289	3.465%	58.483%
20.0	1265.217	48.755	713.044	3.344%	62.776%
21.0	1159.460	46.559	759.603	3.193%	66.875%
22.0	1062.710	44.655	804.258	3.063%	70.806%
23.0	956.946	42.378	846.636	2.907%	74.537%
24.0	848.707	39.478	886.114	2.708%	78.013%
25.0	729.612	35.888	922.002	2.461%	81.172%
26.0	618.630	31.825	953.827	2.183%	83.974%
27.0	519.764	27.851	981.678	1.910%	86.426%
28.0	408.748	23.508	1005.186	1.612%	88.496%
29.0	318.255	19.020	1024.207	1.305%	90.170%
30.0	244.807	15.203	1039.409	1.043%	91.509%
31.0	181.027	11.850	1051.26	.813%	92.552%
32.0	118.350	8.577	1059.836	.588%	93.307%
33.0	86.266	6.028	1065.864	.413%	93.838%
34.0	64.441	4.561	1070.425	.313%	94.239%
35.0	50.555	3.571	1073.997	.245%	94.554%
36.0	41.470	2.930	1076.927	.201%	94.812%
37.0	35.634	2.515	1079.441	.172%	95.033%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	31.430	2.239	1081.68	.154%	95.230%
39.0	28.441	2.044	1083.723	.140%	95.410%
40.0	26.241	1.907	1085.631	.131%	95.578%
41.0	24.560	1.809	1087.44	.124%	95.737%
42.0	22.992	1.728	1089.167	.118%	95.889%
43.0	21.691	1.655	1090.822	.114%	96.035%
44.0	20.665	1.599	1092.421	.110%	96.176%
45.0	19.709	1.552	1093.973	.106%	96.312%
46.0	18.759	1.504	1095.477	.103%	96.445%
47.0	18.014	1.463	1096.94	.100%	96.574%
48.0	17.297	1.427	1098.367	.098%	96.699%
49.0	16.601	1.392	1099.759	.095%	96.822%
50.0	16.003	1.359	1101.119	.093%	96.942%
51.0	15.391	1.328	1102.447	.091%	97.058%
52.0	14.836	1.297	1103.744	.089%	97.173%
53.0	14.280	1.267	1105.01	.087%	97.284%
54.0	13.732	1.235	1106.245	.085%	97.393%
55.0	13.254	1.205	1107.45	.083%	97.499%
56.0	12.776	1.176	1108.626	.081%	97.602%
57.0	12.227	1.143	1109.769	.078%	97.703%
58.0	11.784	1.110	1110.88	.076%	97.801%
59.0	11.363	1.082	1111.962	.074%	97.896%
60.0	10.898	1.052	1113.013	.072%	97.989%
61.0	10.498	1.021	1114.034	.070%	98.079%
62.0	10.125	0.994	1115.028	.068%	98.166%
63.0	9.766	0.967	1115.996	.066%	98.251%
64.0	9.401	0.941	1116.936	.065%	98.334%
65.0	9.070	0.914	1117.85	.063%	98.415%
66.0	8.775	0.890	1118.741	.061%	98.493%
67.0	8.494	0.868	1119.609	.060%	98.569%
68.0	8.213	0.846	1120.455	.058%	98.644%
69.0	7.959	0.825	1121.28	.057%	98.717%
70.0	7.755	0.807	1122.087	.055%	98.788%
71.0	7.530	0.790	1122.877	.054%	98.857%
72.0	7.327	0.773	1123.65	.053%	98.925%
73.0	7.130	0.756	1124.406	.052%	98.992%
74.0	6.968	0.741	1125.147	.051%	99.057%
75.0	6.813	0.728	1125.875	.050%	99.121%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.680	0.716	1126.591	.049%	99.184%
77.0	6.539	0.705	1127.296	.048%	99.246%
78.0	6.413	0.693	1127.989	.048%	99.307%
79.0	6.300	0.683	1128.672	.047%	99.367%
80.0	6.237	0.676	1129.348	.046%	99.427%
81.0	6.230	0.674	1130.022	.046%	99.486%
82.0	6.216	0.675	1130.697	.046%	99.546%
83.0	6.216	0.676	1131.373	.046%	99.605%
84.0	6.244	0.679	1132.052	.047%	99.665%
85.0	6.216	0.680	1132.732	.047%	99.725%
86.0	5.963	0.666	1133.398	.046%	99.783%
87.0	5.674	0.637	1134.034	.044%	99.839%
88.0	5.555	0.615	1134.65	.042%	99.894%
89.0	5.505	0.606	1135.256	.042%	99.947%
90.0	5.484	0.603	1135.858	.041%	100.000%

Zonal flux distribution table

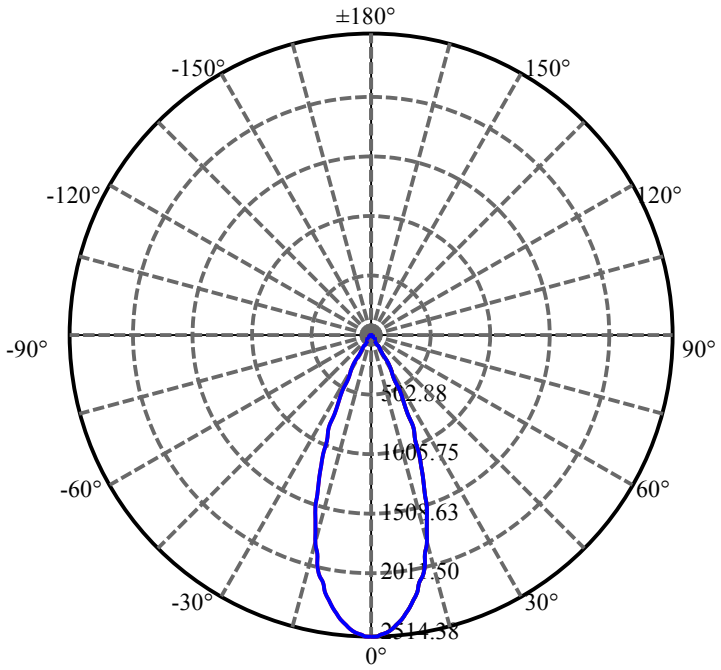
ZONAL LUMEN SUMMARY

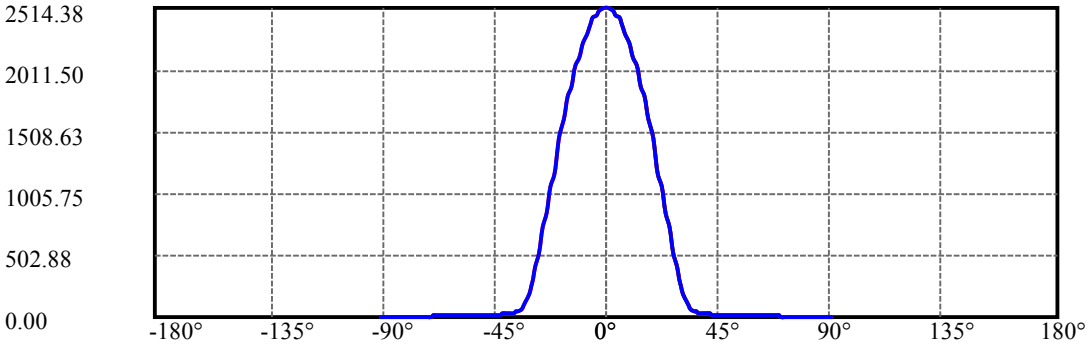
Zone	Lumens	%Lamp	%Fixt
0-30	1039.41	71.29%	91.51%
0-40	1085.63	74.46%	95.58%
0-60	1113.01	76.34%	97.99%
0-90	1135.26	77.87%	99.95%
0-120	1135.26	77.87%	99.95%
0-180	1135.86	77.91%	100.00%
60-90	23.29	1.60%	2.05%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-24.63	908.69	62.33%	80.00%

ZONAL LUMEN SUMMARY

0-10	223.76
10-20	489.28
20-30	326.37
30-40	46.22
40-50	15.49
50-60	11.89
60-70	9.07
70-80	7.26
80-90	5.91
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):

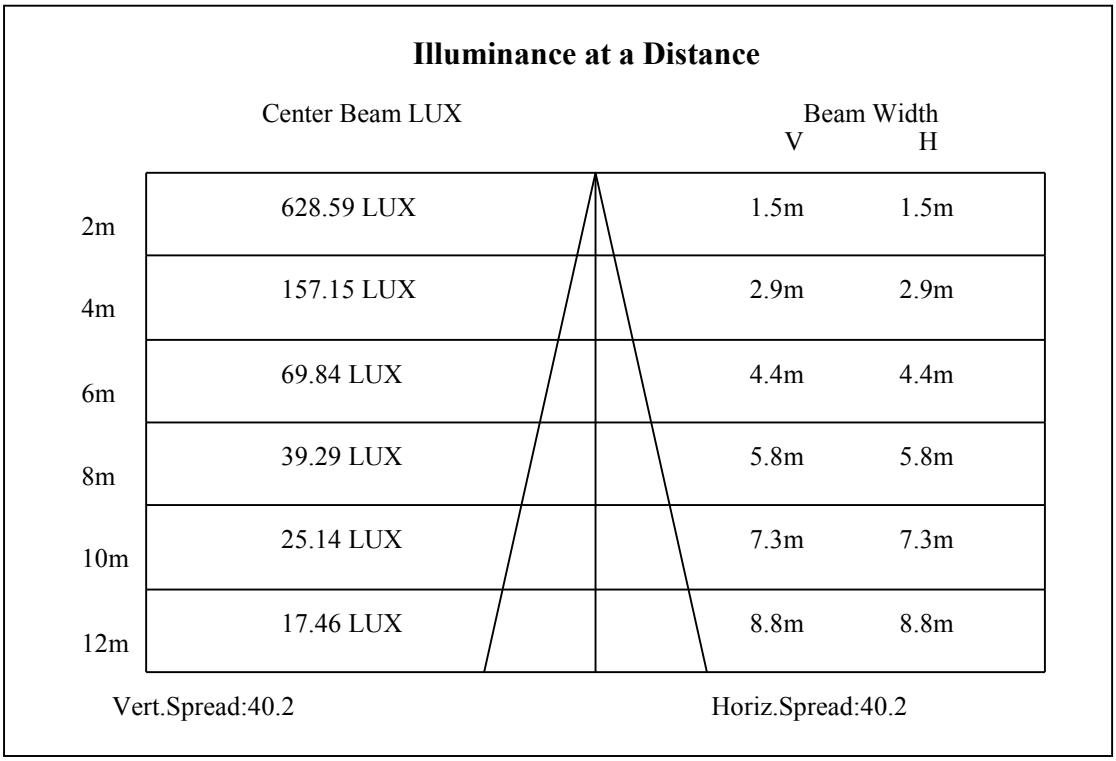
C0/C180:

C90/C270:

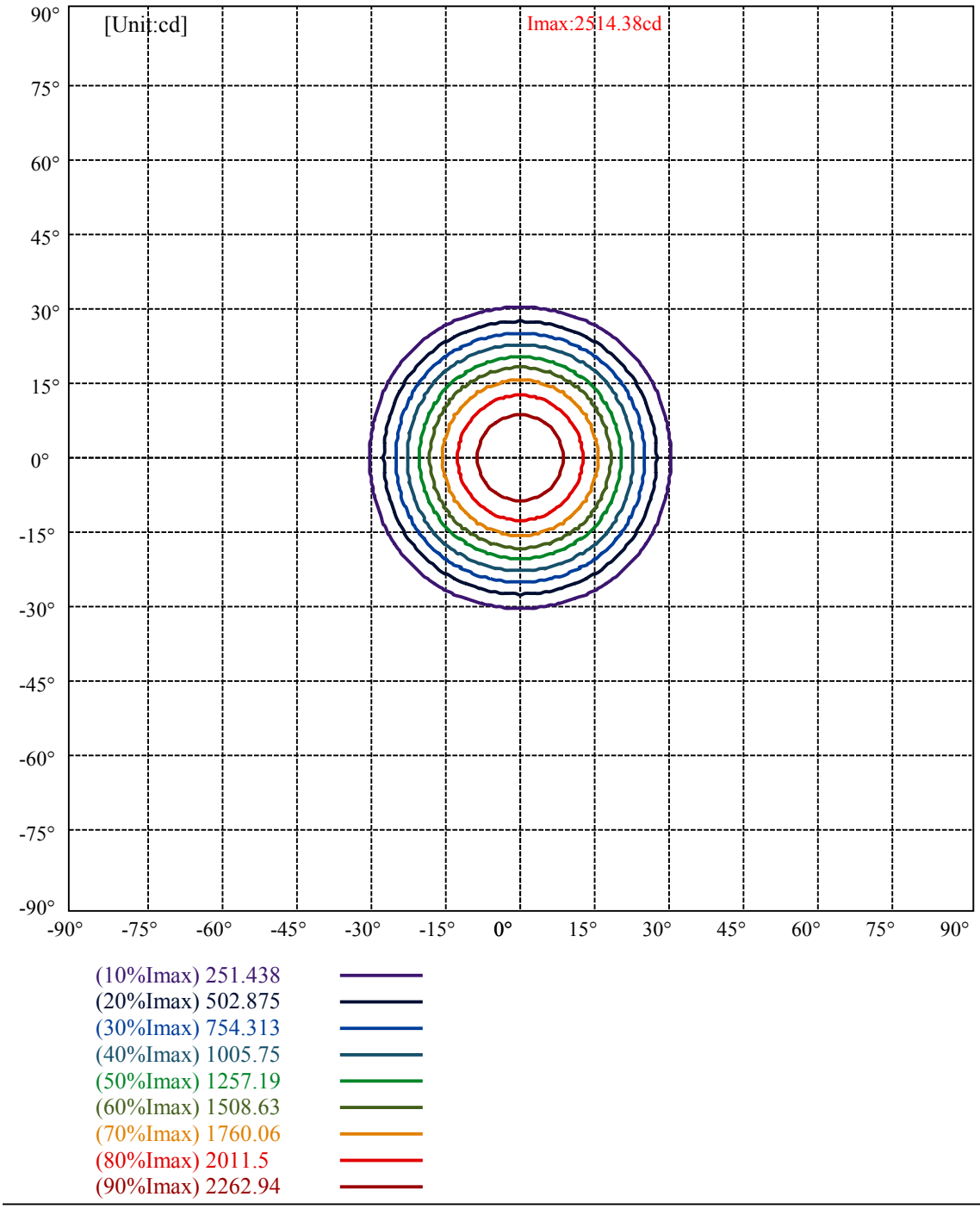
Field angle(10%Imax):C0/180Left:29.9 Right:29.9
:C90/270Left:29.9 Right:29.9

Beam Angle(50%Imax):C0/180Left:20.1 Right:20.1
:C90/270Left:20.1 Right:20.1

Lux distance Curve



ISO-Intensity(V-H)

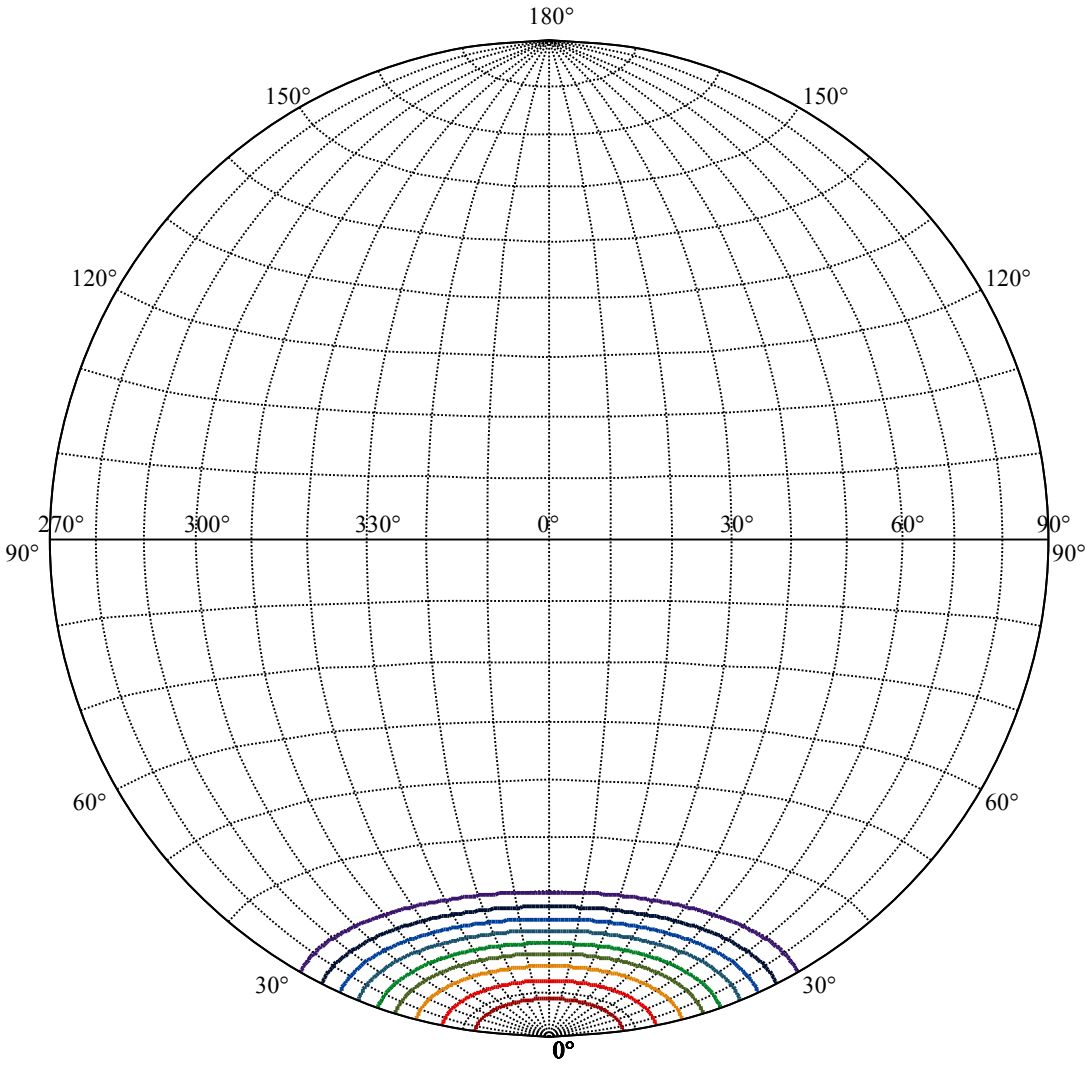


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.50

ISO candela diagram on circular web



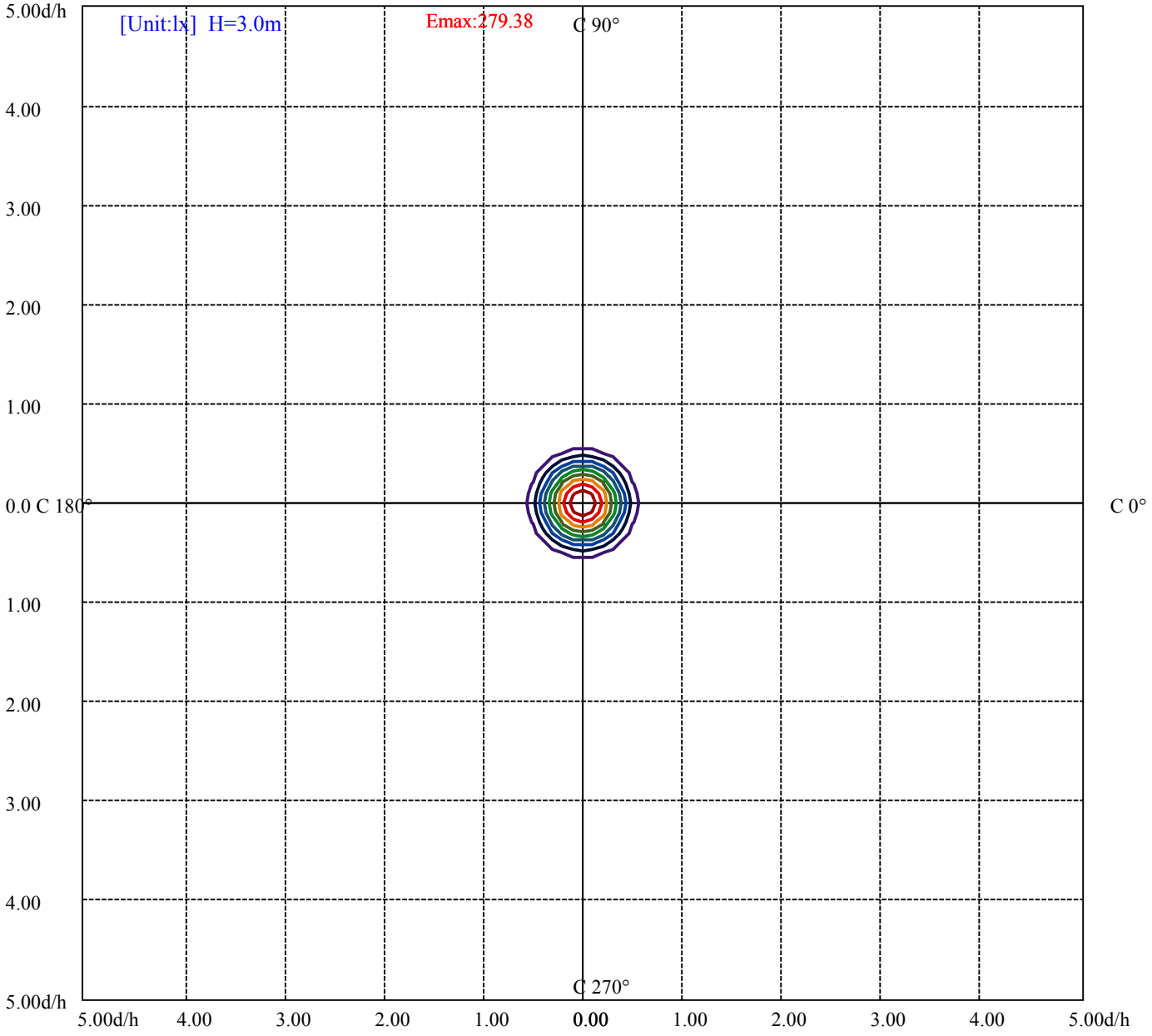
House [Unit:cd] Road

Imax:2514.38

(10%Imax) 251.438
(20%Imax) 502.875
(30%Imax) 754.313
(40%Imax) 1005.75
(50%Imax) 1257.19
(60%Imax) 1508.63
(70%Imax) 1760.06
(80%Imax) 2011.5
(90%Imax) 2262.94

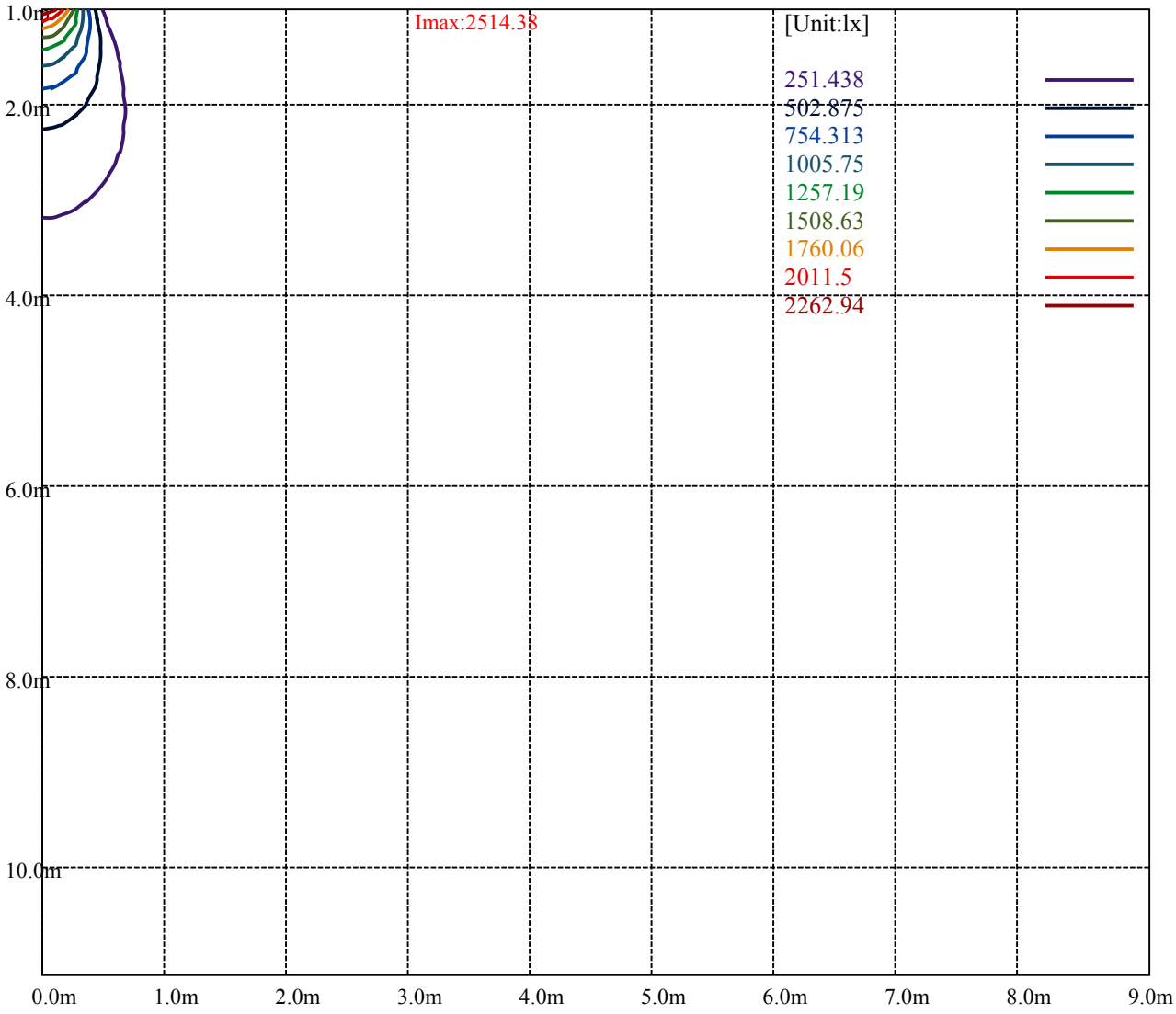
Equipment: GMS1980 Date: 2020/7/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.50

ISO illuminance diagram



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

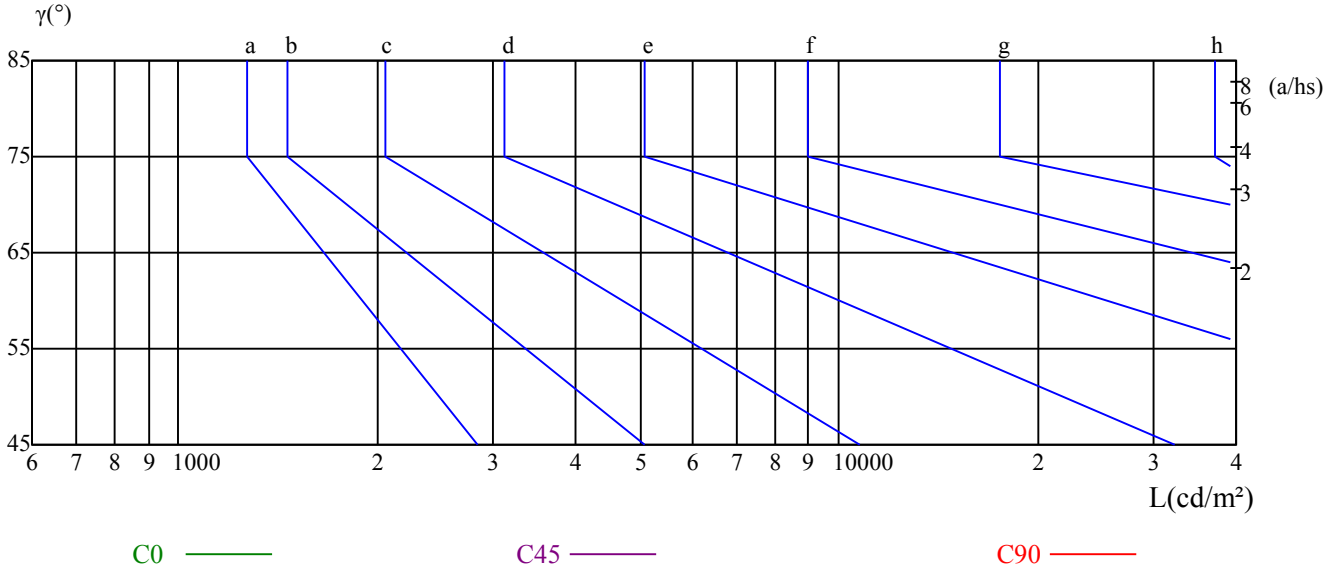
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

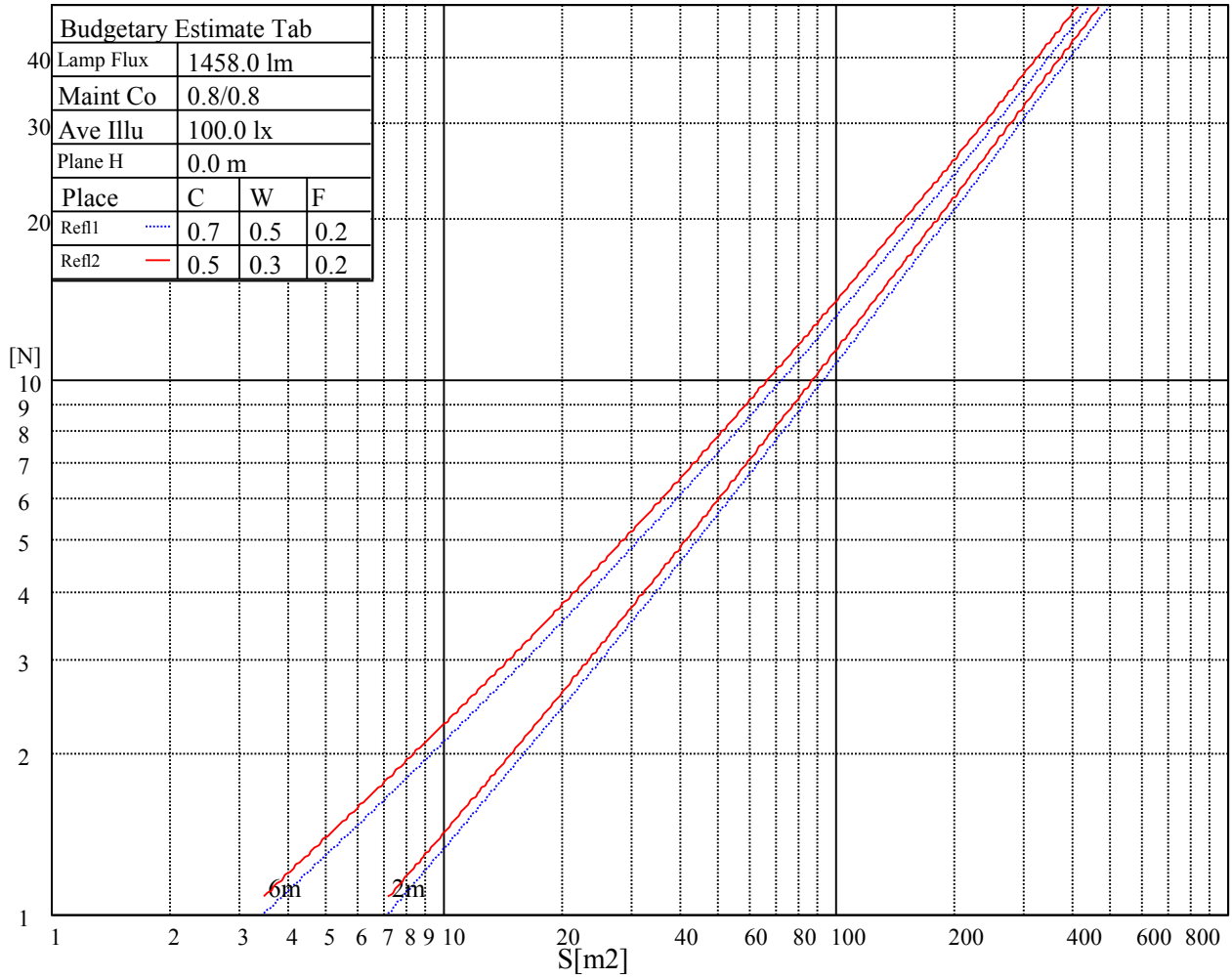
Luminance Limitting Curve



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

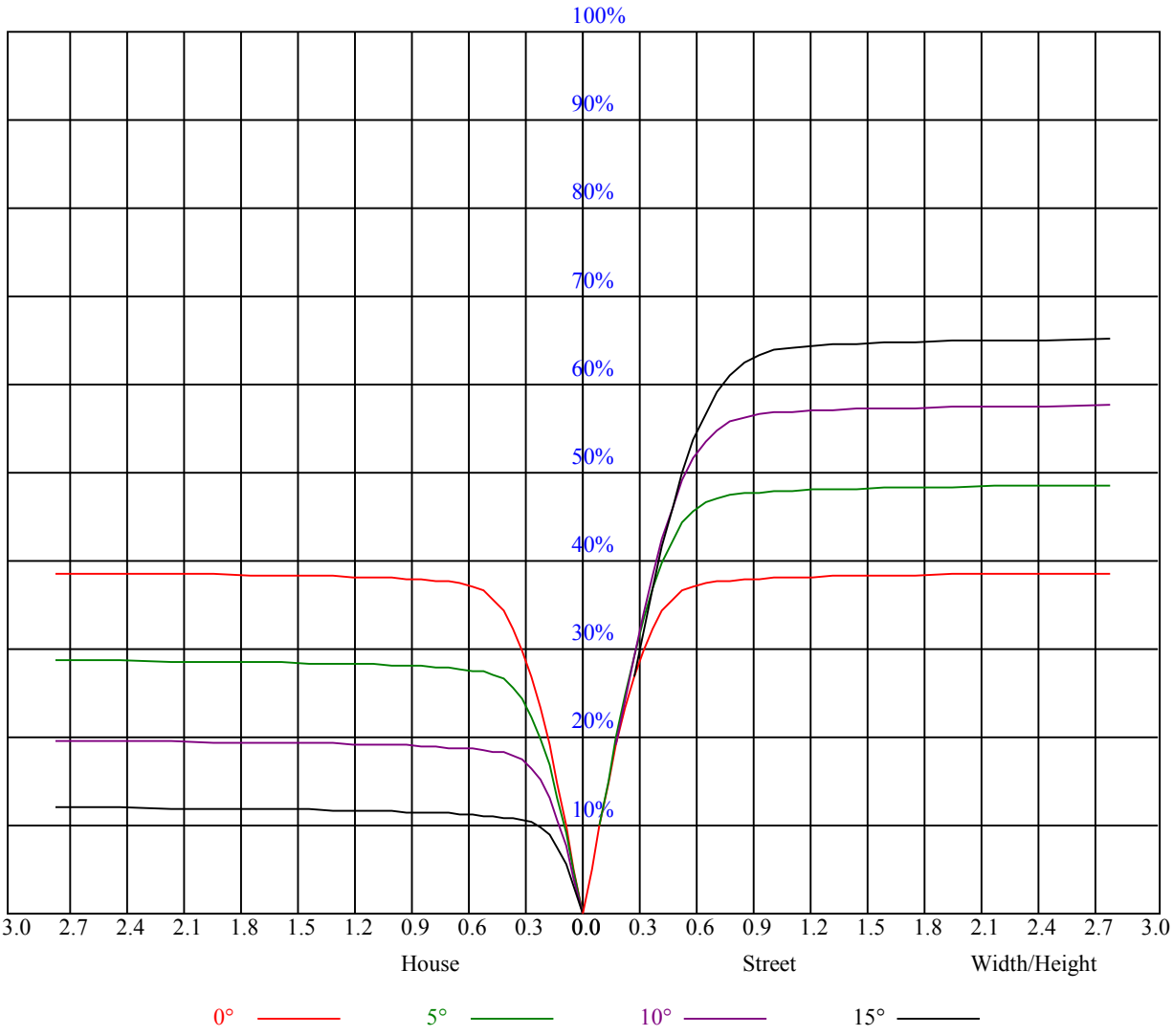


Equipment: GMS1980 Date: 2020/7/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.50

Utilization factor table for indoor luminaire

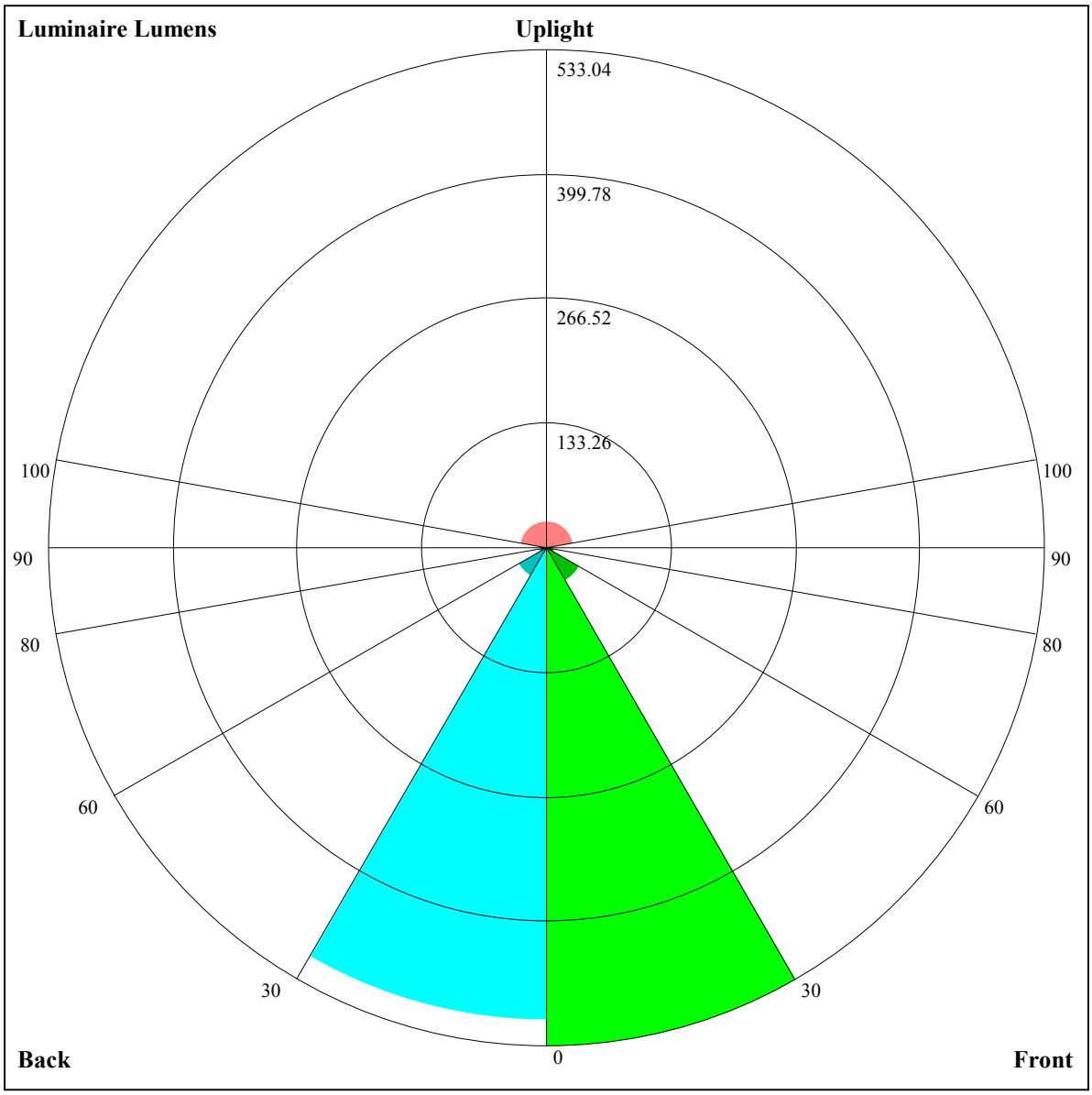
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	0.93	0.93	0.93	0.91	0.91	0.91	0.87	0.87	0.87	0.83	0.83	0.83	0.79	0.79	0.79	0.78
1	0.87	0.85	0.83	0.85	0.84	0.82	0.82	0.81	0.80	0.79	0.78	0.77	0.77	0.76	0.75	0.74
2	0.82	0.79	0.77	0.81	0.78	0.76	0.78	0.76	0.74	0.76	0.74	0.73	0.74	0.72	0.71	0.70
3	0.77	0.74	0.71	0.76	0.73	0.71	0.74	0.72	0.70	0.73	0.70	0.69	0.71	0.69	0.68	0.67
4	0.74	0.70	0.67	0.73	0.69	0.67	0.71	0.68	0.66	0.70	0.67	0.65	0.68	0.66	0.65	0.63
5	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.64	0.62	0.66	0.63	0.62	0.61
6	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.60	0.64	0.61	0.59	0.63	0.61	0.59	0.58
7	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.61	0.58	0.56	0.56
8	0.61	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.60	0.57	0.54	0.59	0.56	0.54	0.53
9	0.59	0.55	0.53	0.59	0.55	0.53	0.58	0.55	0.52	0.57	0.54	0.52	0.57	0.54	0.52	0.51
10	0.57	0.53	0.51	0.56	0.53	0.50	0.56	0.53	0.50	0.55	0.52	0.50	0.55	0.52	0.50	0.49

Coefficient Utilization Curve



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

LCS Graph



Luminaire Lumens:

FL=533.04,FM=40.37,FH=8.23,FVH=3.23

BL=504.92,BM=34.88,BH=8.1,BVH=3.24

UL=5.98,UH=28.48

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	2514.94	2519.44	2513.81	2505.94	2486.25	2468.25	2433.94	2388.38	2346.19
45.0	2514.38	2513.25	2506.50	2492.44	2469.38	2440.69	2403.00	2360.81	2313.56
90.0	2510.44	2504.81	2490.75	2468.81	2441.25	2409.75	2360.25	2314.13	2267.44
135.0	2517.75	2512.69	2498.63	2480.06	2454.19	2421.00	2374.88	2333.81	2282.63
180.0	2514.94	2508.19	2490.75	2458.13	2432.81	2399.63	2345.06	2299.50	2250.56
225.0	2514.38	2509.31	2495.25	2472.19	2445.19	2410.88	2367.56	2325.38	2274.19
270.0	2510.44	2511.56	2506.50	2493.56	2469.38	2447.44	2410.31	2364.75	2323.69
315.0	2517.75	2514.94	2505.38	2493.00	2474.44	2445.19	2404.69	2368.13	2314.13
360.0	2514.94	2519.44	2513.81	2505.94	2486.25	2468.25	2433.94	2388.38	2346.19

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2298.94	2237.06	2175.19	2112.19	2030.06	1957.50	1884.38	1776.94	1693.13
45.0	2257.31	2202.19	2134.13	2072.25	1994.06	1910.25	1838.25	1742.63	1647.00
90.0	2201.06	2135.25	2071.69	1995.75	1923.75	1835.44	1742.63	1658.25	1553.06
135.0	2224.13	2163.38	2095.31	2023.31	1941.75	1857.38	1778.06	1690.31	1576.13
180.0	2187.56	2117.81	2050.31	1972.69	1896.19	1809.56	1718.44	1631.81	1519.31
225.0	2218.50	2156.06	2082.38	2011.50	1938.38	1842.75	1760.06	1671.75	1555.31
270.0	2271.94	2208.94	2152.13	2099.25	2003.63	1929.94	1865.81	1751.63	1665.00
315.0	2266.31	2203.31	2133.00	2070.00	1998.00	1903.50	1829.25	1740.94	1635.75
360.0	2298.94	2237.06	2175.19	2112.19	2030.06	1957.50	1884.38	1776.94	1693.13

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1607.06	1495.69	1381.50	1273.50	1157.63	1061.44	951.19	832.50	727.88
45.0	1549.69	1452.38	1324.69	1222.31	1121.63	1010.25	893.81	792.56	672.19
90.0	1439.44	1334.25	1198.13	1108.35	1001.53	906.02	804.32	673.99	572.91
135.0	1474.31	1370.81	1240.88	1136.81	1039.50	934.31	795.38	690.75	573.75
180.0	1397.81	1290.94	1118.93	1071.28	956.03	851.79	750.43	619.20	520.37
225.0	1451.81	1346.63	1195.31	1105.82	1008.34	892.41	785.70	668.14	555.75
270.0	1578.94	1458.00	1338.19	1247.06	1117.69	1022.06	921.94	789.75	685.13
315.0	1541.81	1440.00	1324.13	1110.54	1099.35	977.29	886.89	770.01	641.08
360.0	1607.06	1495.69	1381.50	1273.50	1157.63	1061.44	951.19	832.50	727.88

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	608.63	496.13	405.56	319.50	299.81	166.44	119.48	84.38	64.07
45.0	576.00	464.63	360.00	288.00	201.04	139.33	97.71	71.89	54.39
90.0	474.53	358.54	277.65	207.28	143.55	97.31	70.37	53.04	43.65
135.0	478.69	377.44	293.06	207.96	148.28	103.16	74.93	57.38	45.62
180.0	427.78	318.77	243.34	178.54	121.05	84.60	65.64	51.47	42.75
225.0	459.45	356.12	267.24	198.62	142.14	93.83	70.99	56.19	44.49
270.0	579.38	452.25	360.56	289.69	192.21	136.58	97.09	69.81	53.94
315.0	553.67	446.12	338.63	268.88	200.14	125.55	93.94	71.38	55.52
360.0	608.63	496.13	405.56	319.50	299.81	166.44	119.48	84.38	64.07

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	51.86	42.69	36.56	32.68	29.48	27.34	25.26	23.68	22.39
45.0	42.98	37.24	32.57	29.31	27.06	25.48	23.46	22.28	21.32
90.0	36.79	32.12	29.14	26.66	24.69	23.29	22.11	20.81	19.91
135.0	38.08	33.47	29.76	27.06	25.26	23.96	22.22	21.15	20.31
180.0	36.00	31.44	28.63	26.21	24.36	22.95	21.77	20.53	19.63
225.0	37.35	32.91	29.19	26.55	24.81	23.18	21.94	20.81	19.74
270.0	44.04	36.84	32.06	29.03	26.55	24.75	23.18	21.71	20.76
315.0	44.66	38.36	33.53	30.04	27.73	25.54	24.02	22.56	21.26
360.0	51.86	42.69	36.56	32.68	29.48	27.34	25.26	23.68	22.39

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	21.26	20.08	19.24	18.39	17.44	16.82	16.20	15.58	14.91
45.0	20.14	19.24	18.62	17.72	16.99	16.48	15.75	15.24	14.63
90.0	19.13	18.23	17.49	16.93	16.31	15.64	15.08	14.51	13.95
135.0	19.29	18.39	17.78	16.99	16.31	15.86	15.19	14.63	14.12
180.0	18.79	17.94	17.27	16.59	15.98	15.41	14.85	14.29	13.84
225.0	18.90	18.06	17.33	16.76	16.14	15.47	14.91	14.46	13.95
270.0	19.86	18.84	18.06	17.38	16.65	16.09	15.53	14.91	14.34
315.0	20.31	19.29	18.34	17.61	16.99	16.26	15.64	15.08	14.51
360.0	21.26	20.08	19.24	18.39	17.44	16.82	16.20	15.58	14.91

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	14.40	13.89	13.33	12.77	12.32	11.81	11.36	10.97	10.46
45.0	14.01	13.56	13.05	12.49	12.04	11.59	11.08	10.69	10.35
90.0	13.44	12.94	12.49	11.93	11.48	11.08	10.63	10.24	9.84
135.0	13.50	13.05	12.66	12.04	11.64	11.25	10.74	10.35	10.07
180.0	13.28	12.77	12.32	11.81	11.36	10.97	10.58	10.18	9.84
225.0	13.39	12.94	12.49	11.93	11.53	11.14	10.63	10.24	9.96
270.0	13.89	13.39	12.88	12.43	11.98	11.53	11.08	10.63	10.24
315.0	13.95	13.50	12.99	12.43	11.93	11.53	11.08	10.69	10.24
360.0	14.40	13.89	13.33	12.77	12.32	11.81	11.36	10.97	10.46

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	10.13	9.73	9.39	9.11	8.83	8.49	8.21	7.99	7.71
45.0	9.90	9.51	9.17	8.83	8.61	8.33	7.99	7.82	7.59
90.0	9.56	9.17	8.83	8.55	8.21	7.99	7.76	7.54	7.31
135.0	9.68	9.34	9.00	8.72	8.44	8.16	7.93	7.76	7.54
180.0	9.51	9.11	8.83	8.55	8.27	8.04	7.82	7.59	7.43
225.0	9.56	9.23	8.94	8.61	8.33	8.10	7.82	7.65	7.48
270.0	9.90	9.56	9.23	8.94	8.66	8.33	8.10	7.88	7.59
315.0	9.90	9.56	9.17	8.89	8.61	8.27	8.04	7.82	7.59
360.0	10.13	9.73	9.39	9.11	8.83	8.49	8.21	7.99	7.71

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.54	7.31	7.14	6.92	6.81	6.69	6.53	6.36	6.30
45.0	7.37	7.14	6.98	6.81	6.64	6.53	6.36	6.24	6.19
90.0	7.14	6.92	6.81	6.64	6.47	6.30	6.24	6.13	6.08
135.0	7.37	7.20	7.03	6.92	6.81	6.64	6.53	6.47	6.47
180.0	7.20	7.03	6.86	6.75	6.58	6.47	6.36	6.24	6.13
225.0	7.20	7.03	6.86	6.75	6.64	6.47	6.36	6.24	6.19
270.0	7.43	7.20	7.03	6.86	6.75	6.58	6.47	6.36	6.24
315.0	7.37	7.20	7.03	6.86	6.75	6.64	6.47	6.36	6.30
360.0	7.54	7.31	7.14	6.92	6.81	6.69	6.53	6.36	6.30

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	6.19	6.13	6.02	6.02	5.96	5.85	5.79	5.63	5.57
45.0	6.08	5.96	5.91	5.85	5.79	5.74	5.68	5.57	5.51
90.0	5.96	5.91	5.79	5.74	5.68	5.63	5.57	5.51	5.46
135.0	6.92	7.14	7.37	7.65	7.59	5.79	5.63	5.51	5.51
180.0	6.08	6.02	5.91	5.79	5.74	5.68	5.63	5.51	5.51
225.0	6.13	6.02	5.91	5.85	5.79	5.74	5.63	5.51	5.46
270.0	6.19	6.13	6.02	5.96	5.91	5.85	5.74	5.57	5.51
315.0	6.30	6.41	6.81	7.09	7.26	7.43	5.74	5.63	5.51
360.0	6.19	6.13	6.02	6.02	5.96	5.85	5.79	5.63	5.57

Intensity data(cd)

C/γ(°)	90.0
0.0	5.51
45.0	5.46
90.0	5.46
135.0	5.51
180.0	5.51
225.0	5.46
270.0	5.46
315.0	5.51
360.0	5.51