NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NATA

LumCAT: 1534-E
Luminaire: 92.70.051.00

Report No: NATA0100	Voltage(V): 12.2400
Test No: GC2019010807	Current(A): 0.6000
LampCAT: BRIDGELUX V6	Power (W): 6.1440
Lamp flux(lm): 519.0	PF: 0.0000
Number of Lamps: 1	Ballast type: DC
Length(mm): 26	Width(mm): 26
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 441.99
Efficiency(%): 85.16%
Lumens(lm)/Power(W): 72.00
Central intensity(cd): 1553.062
Maximum intensity(cd): 1553.062
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=20.2
[C90/270]Total=20.2
Field angle(10%Imax): [C0/180]Total=67.0
[C90/270]Total=67.0
Maximum s/h(1/2): C0_180=0.34 C90_270=0.34
Maximum s/h(1/4): C0_180=0.38 C90_270=0.38
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.23%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.862%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1553.063	0.372	0.372	.072%	.084%
1.0	1540.547	2.948	3.32	.568%	.751%
2.0	1502.789	5.751	9.071	1.108%	2.052%
3.0	1441.477	8.273	17.344	1.594%	3.924%
4.0	1369.125	10.473	27.817	2.018%	6.294%
5.0	1272.621	12.163	39.981	2.344%	9.046%
6.0	1159.179	13.287	53.268	2.560%	12.052%
7.0	1071.731	14.323	67.591	2.760%	15.292%
8.0	974.784	14.877	82.468	2.866%	18.658%
9.0	881.902	15.129	97.597	2.915%	22.081%
10.0	786.052	14.968	112.565	2.884%	25.468%
11.0	702.429	14.698	127.263	2.832%	28.793%
12.0	629.557	14.354	141.617	2.766%	32.040%
13.0	554.773	13.685	155.302	2.637%	35.137%
14.0	493.341	13.088	168.39	2.522%	38.098%
15.0	441.295	12.525	180.915	2.413%	40.932%
16.0	392.688	11.870	192.784	2.287%	43.617%
17.0	348.539	11.175	203.959	2.153%	46.145%
18.0	316.245	10.717	214.676	2.065%	48.570%
19.0	288.809	10.311	224.987	1.987%	50.903%
20.0	263.454	9.881	234.868	1.904%	53.139%
21.0	241.305	9.483	244.351	1.827%	55.284%
22.0	224.712	9.231	253.582	1.779%	57.373%
23.0	211.198	9.049	262.632	1.744%	59.420%
24.0	199.378	8.893	271.524	1.713%	61.432%
25.0	190.688	8.837	280.362	1.703%	63.431%
26.0	183.790	8.835	289.197	1.702%	65.430%
27.0	178.284	8.876	298.073	1.710%	67.438%
28.0	173.391	8.927	307	1.720%	69.458%
29.0	169.720	9.023	316.023	1.739%	71.500%
30.0	166.584	9.134	325.157	1.760%	73.566%
31.0	163.266	9.221	334.378	1.777%	75.652%
32.0	160.453	9.324	343.702	1.797%	77.762%
33.0	157.577	9.411	353.113	1.813%	79.891%
34.0	153.028	9.384	362.497	1.808%	82.014%
35.0	145.434	9.148	371.645	1.763%	84.084%
36.0	135.450	8.731	380.376	1.682%	86.059%
37.0	123.532	8.153	388.528	1.571%	87.904%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	110.046	7.430	395.958	1.432%	89.585%
39.0	94.669	6.533	402.491	1.259%	91.063%
40.0	79.481	5.603	408.094	1.079%	92.330%
41.0	65.419	4.706	412.8	.907%	93.395%
42.0	50.217	3.685	416.485	.710%	94.229%
43.0	37.139	2.778	419.262	.535%	94.857%
44.0	27.626	2.104	421.367	.405%	95.334%
45.0	19.448	1.508	422.875	.291%	95.675%
46.0	14.435	1.139	424.014	.219%	95.932%
47.0	12.642	1.014	425.028	.195%	96.162%
48.0	11.721	0.955	425.983	.184%	96.378%
49.0	11.046	0.914	426.897	.176%	96.585%
50.0	10.266	0.862	427.759	.166%	96.780%
51.0	9.401	0.801	428.56	.154%	96.961%
52.0	8.663	0.749	429.309	.144%	97.130%
53.0	7.481	0.655	429.964	.126%	97.279%
54.0	5.955	0.528	430.493	.102%	97.398%
55.0	5.091	0.457	430.95	.088%	97.502%
56.0	4.725	0.430	431.379	.083%	97.599%
57.0	4.388	0.404	431.783	.078%	97.690%
58.0	4.127	0.384	432.167	.074%	97.777%
59.0	3.930	0.369	432.536	.071%	97.861%
60.0	3.734	0.355	432.891	.068%	97.941%
61.0	3.565	0.342	433.233	.066%	98.018%
62.0	3.431	0.332	433.565	.064%	98.093%
63.0	3.326	0.325	433.89	.063%	98.167%
64.0	3.234	0.319	434.209	.061%	98.239%
65.0	3.164	0.314	434.523	.061%	98.310%
66.0	3.080	0.309	434.832	.059%	98.380%
67.0	3.059	0.309	435.14	.059%	98.450%
68.0	3.059	0.311	435.451	.060%	98.520%
69.0	3.080	0.315	435.767	.061%	98.591%
70.0	3.115	0.321	436.088	.062%	98.664%
71.0	3.185	0.330	436.418	.064%	98.739%
72.0	3.248	0.339	436.757	.065%	98.815%
73.0	3.354	0.352	437.108	.068%	98.895%
74.0	3.473	0.366	437.475	.071%	98.978%
75.0	3.551	0.376	437.851	.072%	99.063%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	3.642	0.388	438.238	.075%	99.151%
77.0	3.642	0.389	438.627	.075%	99.239%
78.0	3.558	0.382	439.009	.074%	99.325%
79.0	3.368	0.363	439.372	.070%	99.407%
80.0	3.038	0.328	439.7	.063%	99.481%
81.0	2.637	0.286	439.985	.055%	99.546%
82.0	2.454	0.266	440.252	.051%	99.606%
83.0	2.412	0.262	440.514	.051%	99.666%
84.0	2.405	0.262	440.776	.051%	99.725%
85.0	2.398	0.262	441.038	.050%	99.784%
86.0	2.271	0.248	441.287	.048%	99.840%
87.0	1.898	0.208	441.495	.040%	99.887%
88.0	1.835	0.201	441.696	.039%	99.933%
89.0	1.807	0.198	441.894	.038%	99.978%
90.0	1.793	0.098	441.992	.019%	100.000%

Zonal flux distribution table

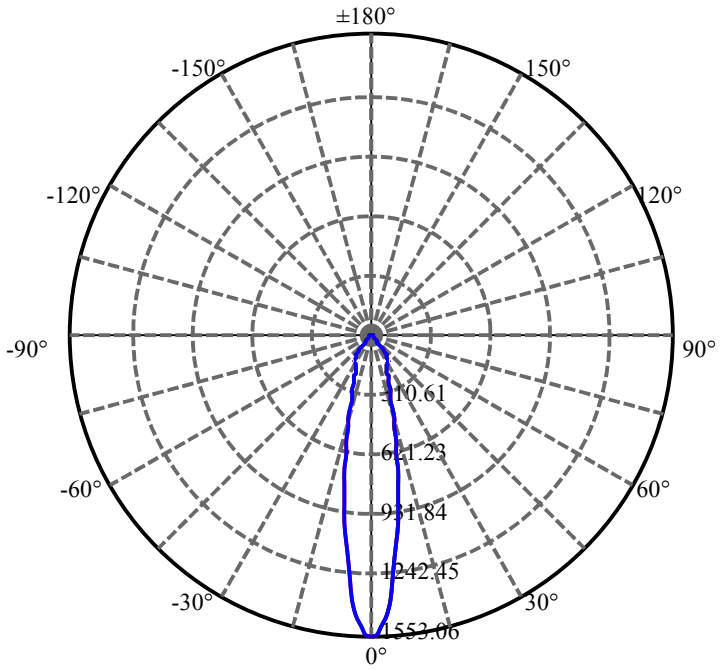
ZONAL LUMEN SUMMARY

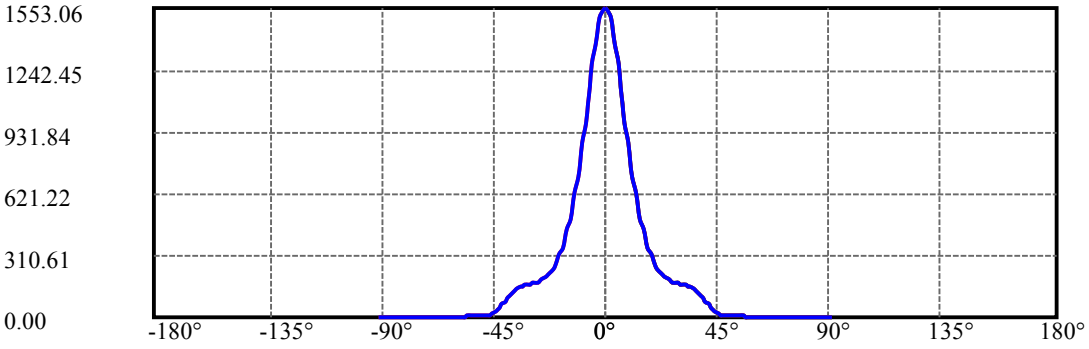
Zone	Lumens	%Lamp	%Fixt
0-30	325.16	62.65%	73.57%
0-40	408.09	78.63%	92.33%
0-60	432.89	83.41%	97.94%
0-90	441.89	85.14%	99.98%
0-120	441.89	85.14%	99.98%
0-180	441.99	85.16%	100.00%
60-90	9.36	1.80%	2.12%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-33.05	353.59	68.13%	80.00%

ZONAL LUMEN SUMMARY

0-10	112.56
10-20	122.30
20-30	90.29
30-40	82.94
40-50	19.67
50-60	5.13
60-70	3.20
70-80	3.61
80-90	2.19
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):

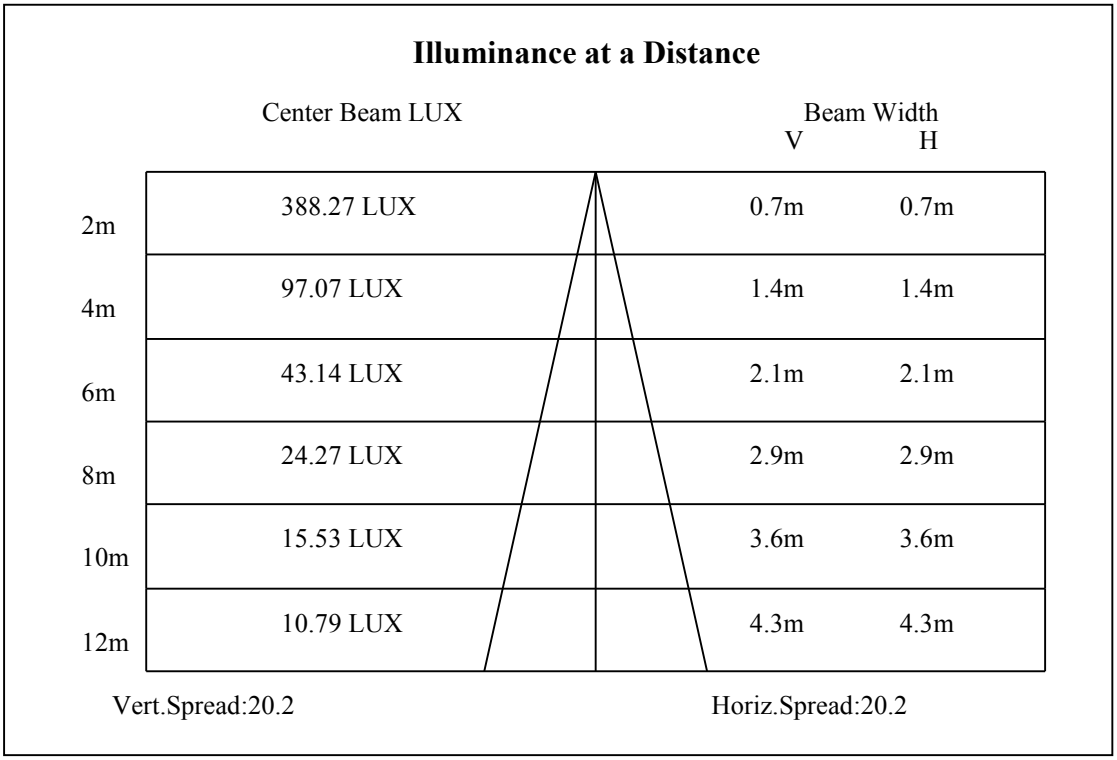
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:33.5 Right:33.5
:C90/270Left:33.5 Right:33.5

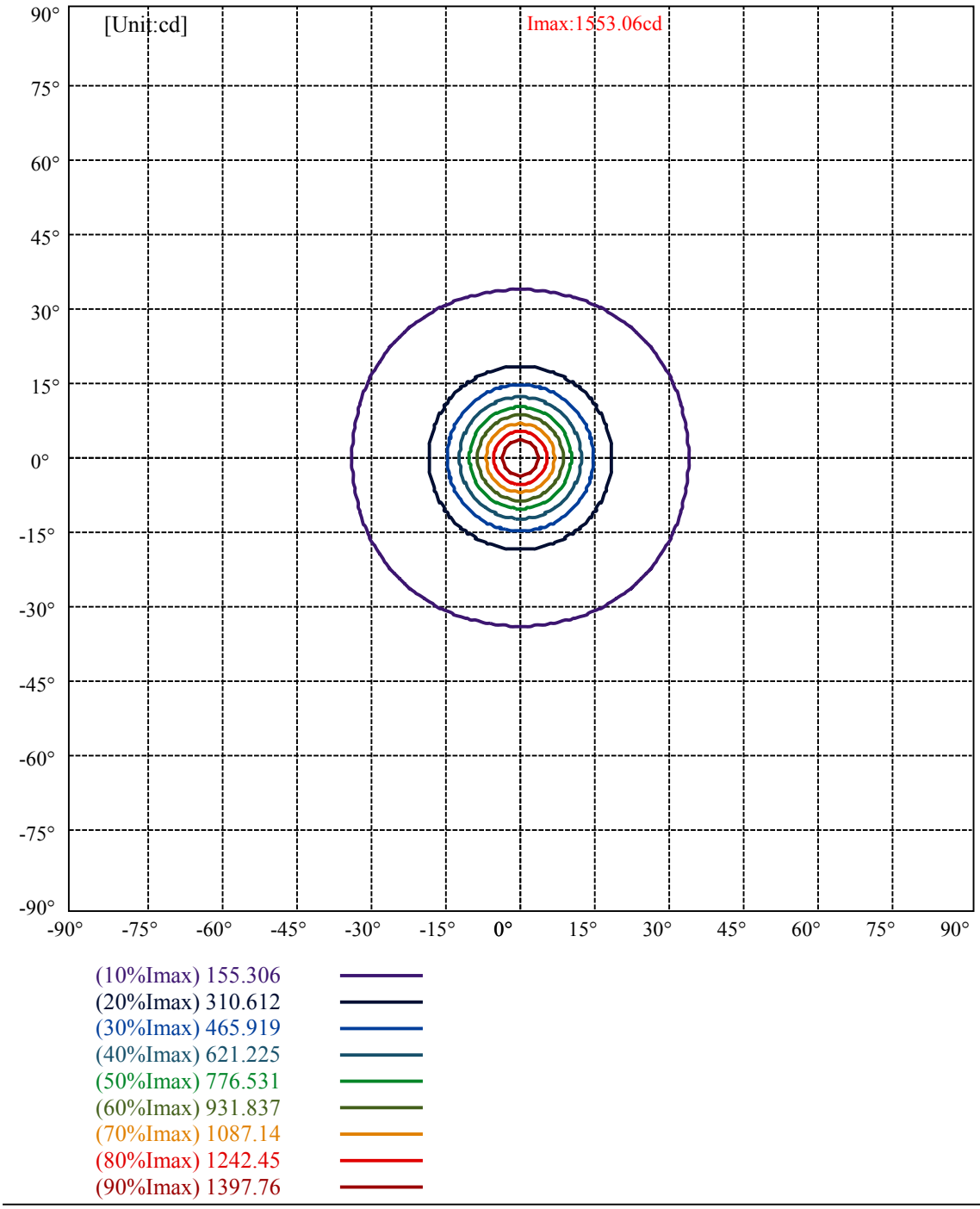
Beam Angle(50%Imax):C0/180Left:10.1 Right:10.1
:C90/270Left:10.1 Right:10.1

Lux distance Curve



Equipment: GMS1980 Date: 2019/1/8 Operator: NT07
Temperature(°C): 10.0 Humidity(%): 65.0% Distance(m): 7.50

ISO-Intensity(V-H)

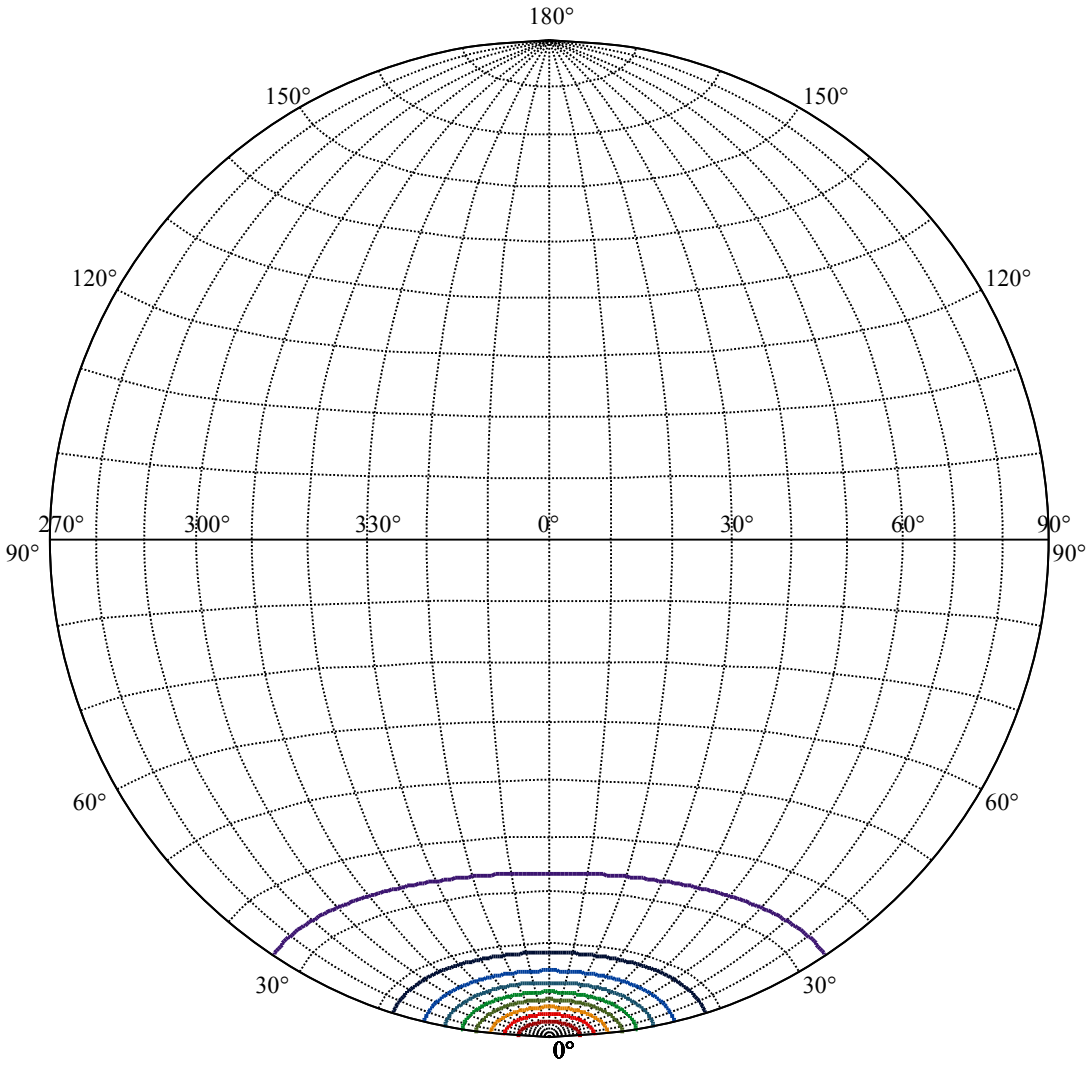


Equipment: GMS1980
Temperature(°C): 10.0

Date: 2019/1/8
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:1553.06

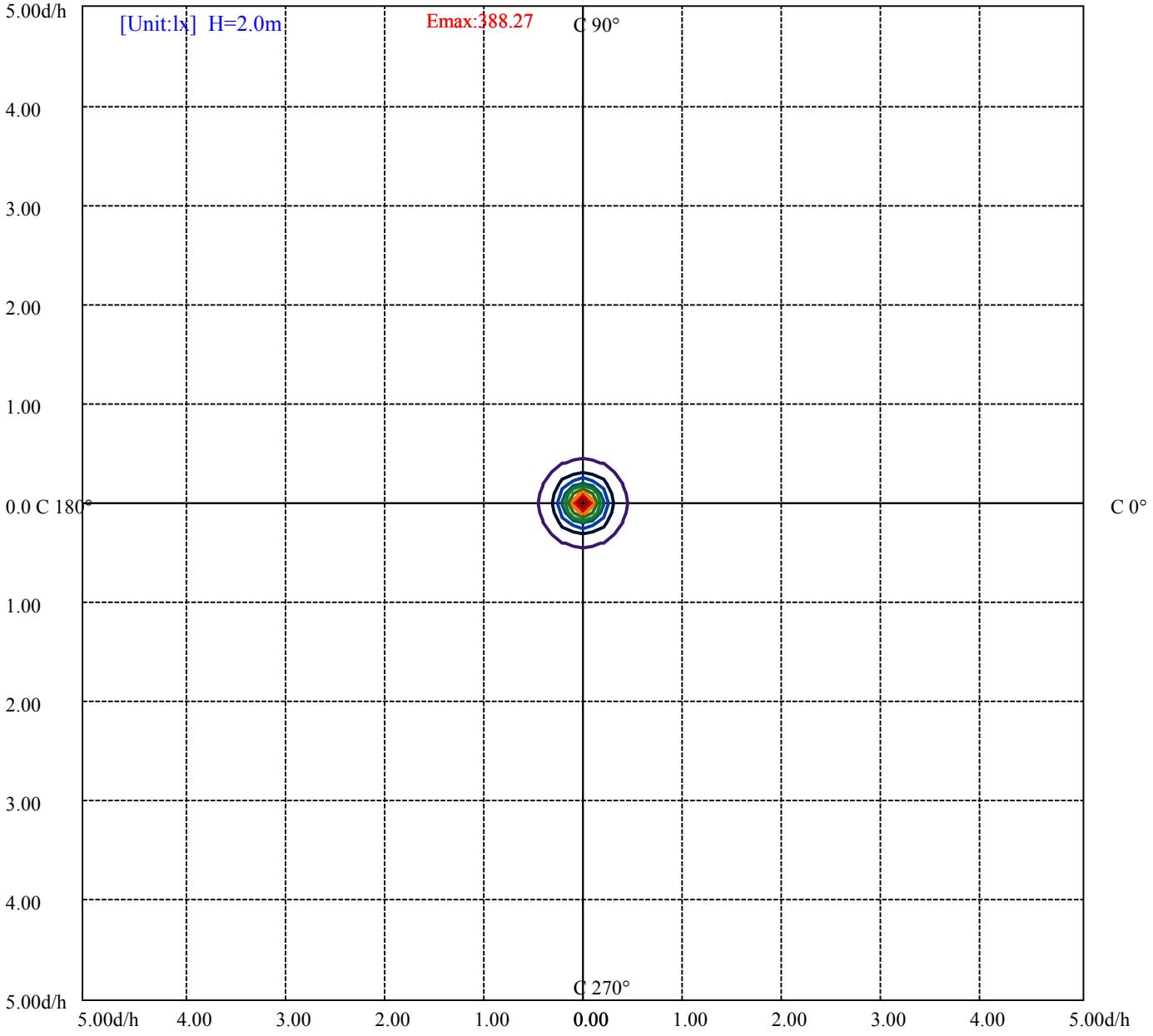
(10%Imax) 155.306
(20%Imax) 310.612
(30%Imax) 465.919
(40%Imax) 621.225
(50%Imax) 776.531
(60%Imax) 931.837
(70%Imax) 1087.14
(80%Imax) 1242.45
(90%Imax) 1397.76

Equipment: GMS1980
Temperature(°C): 10.0

Date: 2019/1/8
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

ISO illuminance diagram



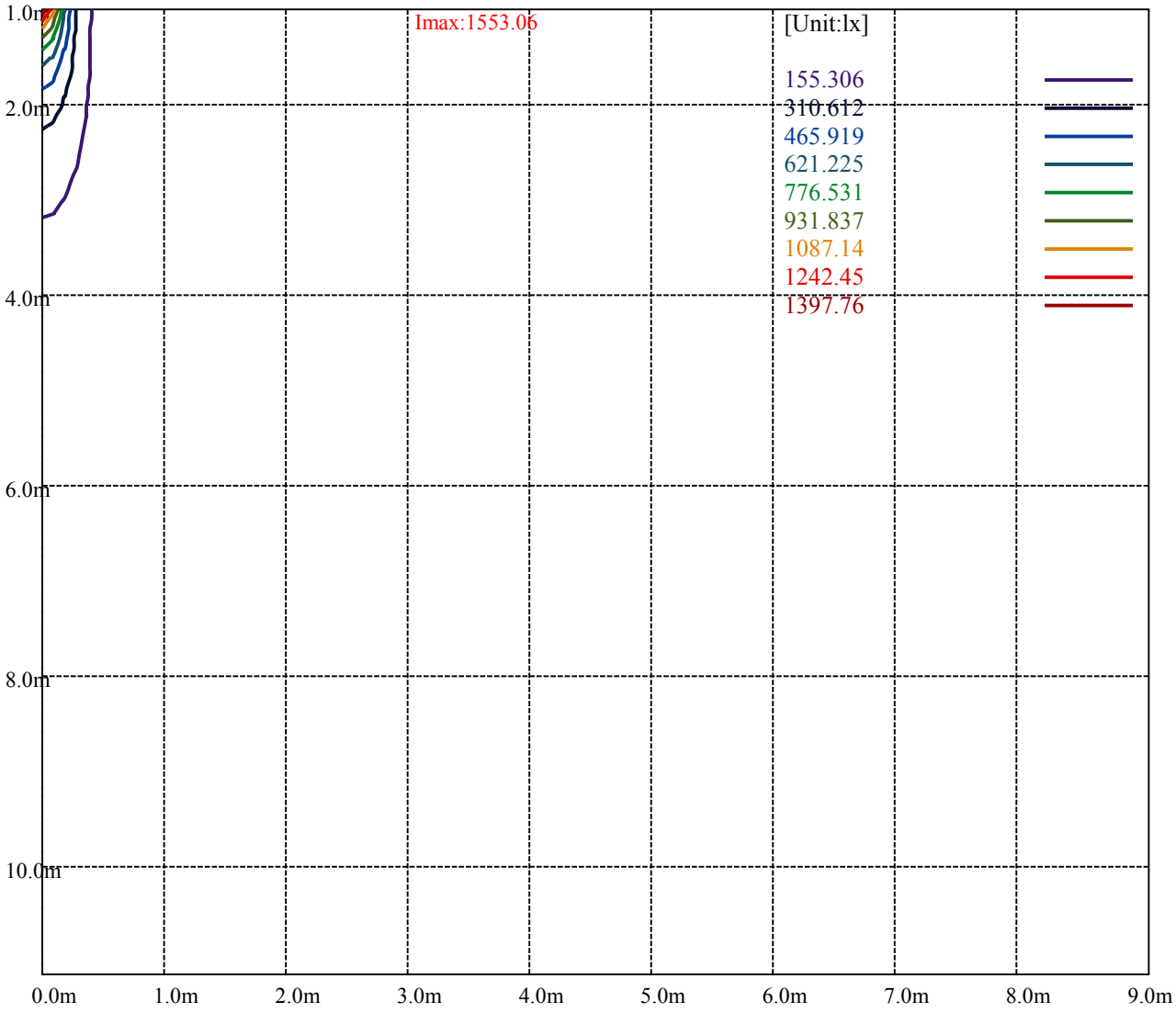
(10%Emax) 38.8265
(20%Emax) 77.653
(30%Emax) 116.4795
(40%Emax) 155.306
(50%Emax) 194.1325
(60%Emax) 232.959
(70%Emax) 271.785
(80%Emax) 310.6125
(90%Emax) 349.4375

Equipment: GMS1980
Temperature(°C): 10.0

Date: 2019/1/8
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 10.0

Date: 2019/1/8
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Luminance Limitting Curve(no luminous side)

Luminance Table

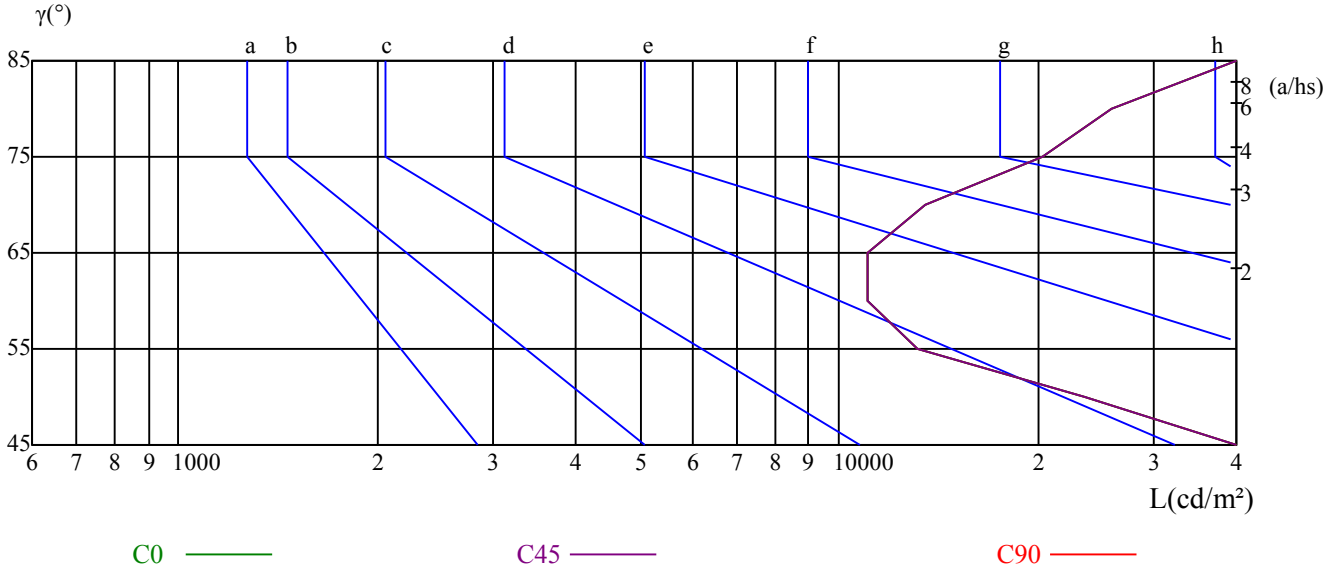
γ	45	50	55	60	65	70	75	80	85
C0	40687	23625	13129	11046	11075	13472	20295	25876	40695
C45	40687	23625	13129	11046	11075	13472	20295	25876	40695
C90	40687	23625	13129	11046	11075	13472	20295	25876	40695

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
11075	11075	11075	20295	20295	20295	40695	40695	40695

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

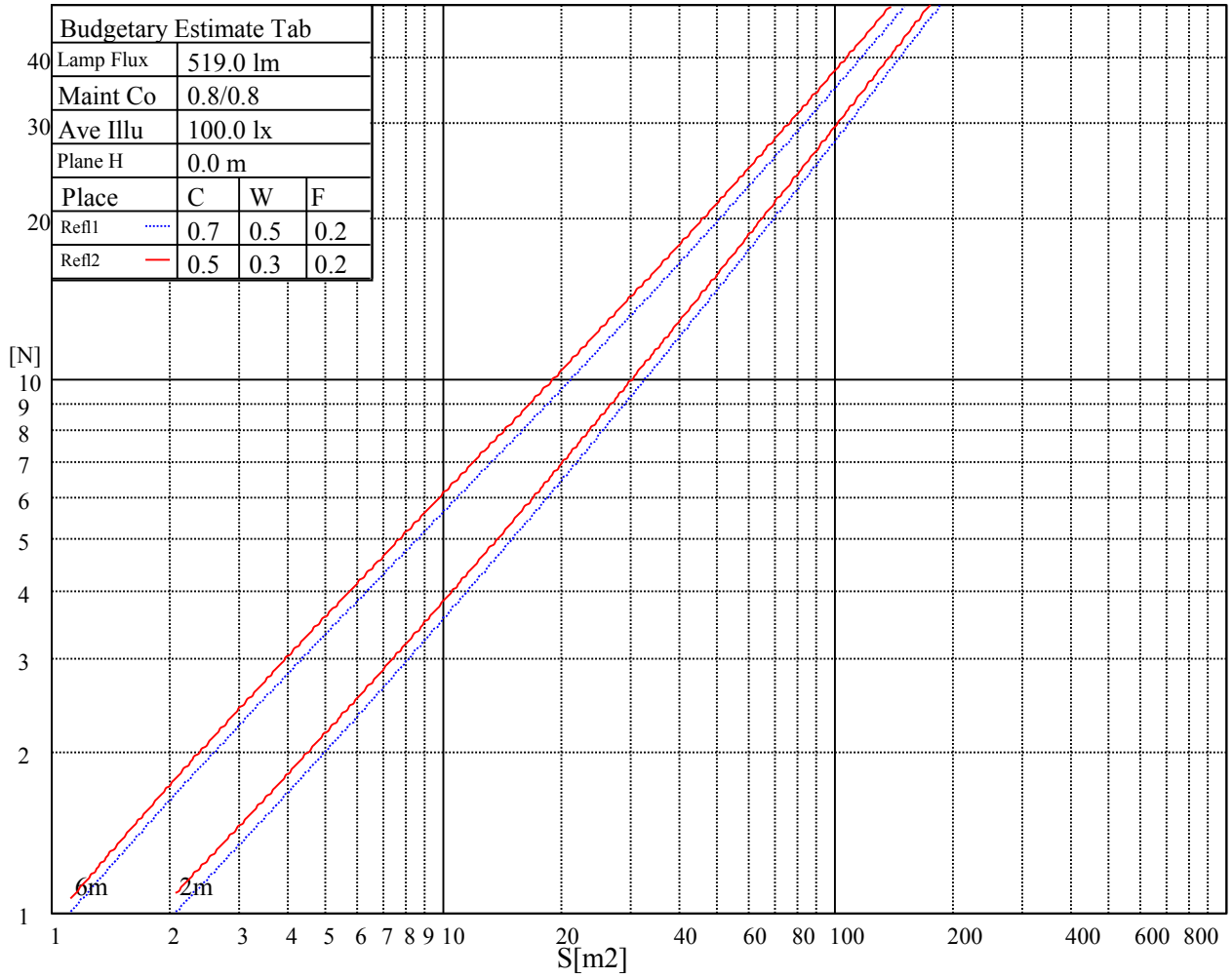


UGR Glare

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	15.00	15.98	15.37	16.29	16.60	14.41	15.38	14.78	15.69	16.01
	3H	17.01	17.87	17.39	18.20	18.57	16.88	17.74	17.26	18.07	18.44
	4H	18.46	19.25	18.87	19.61	20.00	19.13	19.93	19.54	20.28	20.67
	6H	20.09	20.82	20.51	21.20	21.59	21.02	21.75	21.44	22.13	22.53
	8H	20.91	21.59	21.34	21.98	22.39	21.81	22.50	22.25	22.89	23.30
	12H	22.16	22.81	22.59	23.19	23.63	22.97	23.62	23.41	24.01	24.44
4H	2H	15.40	16.19	15.81	16.55	16.94	14.92	15.72	15.33	16.07	16.46
	3H	17.88	18.54	18.30	18.95	19.35	17.87	18.52	18.28	18.93	19.34
	4H	19.64	20.22	20.08	20.65	21.10	20.34	20.93	20.78	21.35	21.80
	6H	21.28	21.78	21.75	22.23	22.71	22.16	22.66	22.63	23.11	23.59
	8H	22.25	22.71	22.72	23.16	23.64	23.09	23.55	23.57	24.01	24.48
	12H	23.48	23.89	23.97	24.37	24.85	24.24	24.64	24.73	25.13	25.61
8H	4H	20.38	20.84	20.85	21.29	21.77	20.93	21.40	21.41	21.85	22.33
	6H	22.30	22.67	22.81	23.18	23.66	23.01	23.38	23.52	23.88	24.37
	8H	23.41	23.74	23.95	24.27	24.76	24.09	24.42	24.62	24.94	25.44
	12H	24.80	25.08	25.32	25.58	26.16	25.39	25.68	25.92	26.18	26.76
12H	4H	20.57	20.97	21.06	21.46	21.94	21.06	21.47	21.55	21.95	22.43
	6H	22.85	22.92	23.13	23.39	23.94	23.48	23.55	23.76	24.02	24.57
	8H	23.81	24.10	24.34	24.60	25.18	24.41	24.69	24.93	25.19	25.77

Variation with the observer position at spacings:		
S = 1.0H	3.6/-5.9	3.6/-5.9
S = 1.5H	5.6/-4.1	5.6/-4.1
S = 2.0H	7.0/-3.4	7.0/-3.4
Standard tables:	BK3	BK3
Uncorrected UGR	5.8	5.8

Budgetary Estimate Table

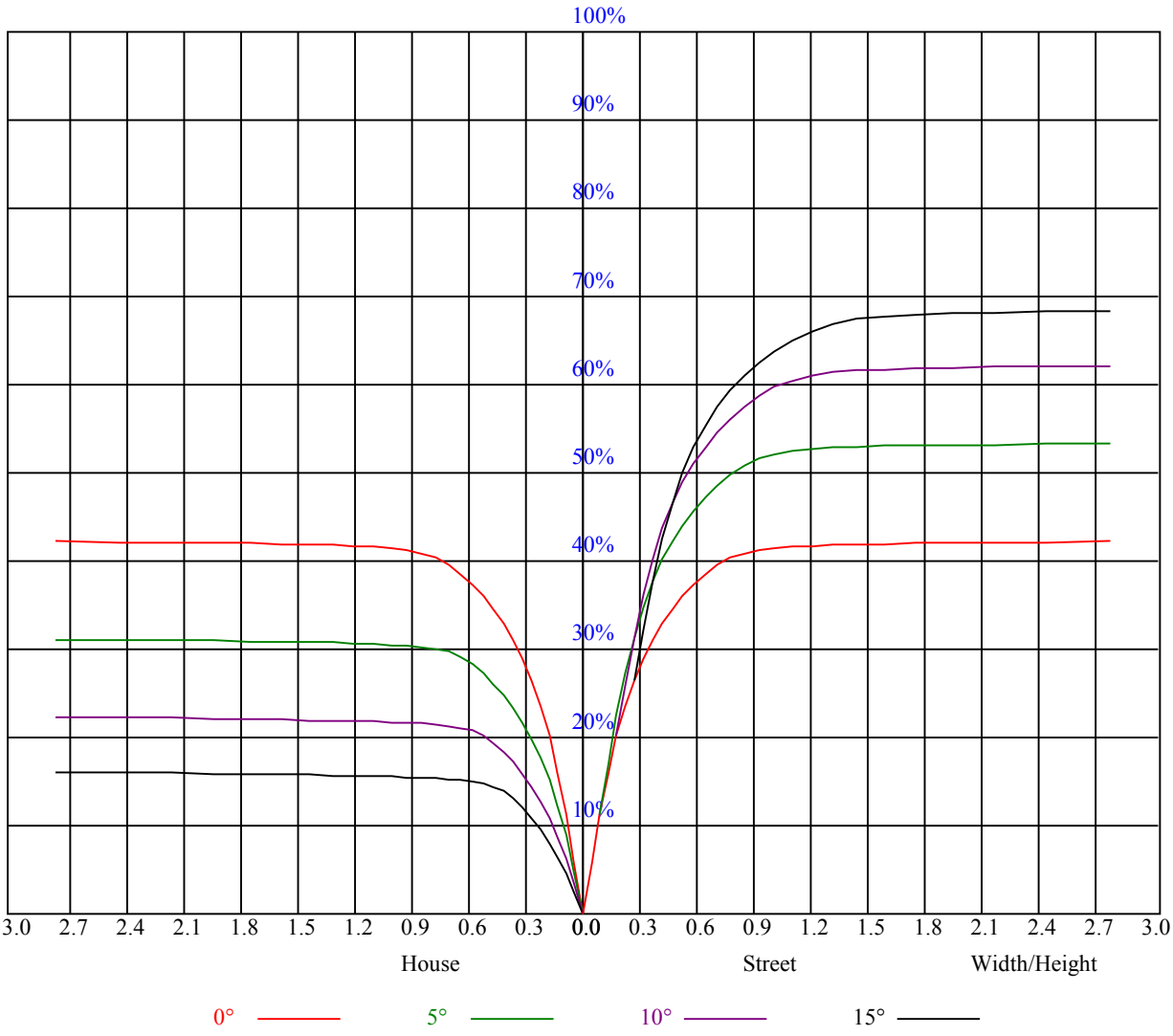


Equipment: GMS1980 Date: 2019/1/8 Operator: NT07
Temperature(°C): 10.0 Humidity(%): 65.0% Distance(m): 7.50

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	1.01	1.01	1.01	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.85
1	0.95	0.92	0.91	0.93	0.91	0.89	0.89	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80
2	0.89	0.85	0.83	0.87	0.84	0.82	0.84	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.77	0.75
3	0.83	0.79	0.76	0.82	0.78	0.76	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.71
4	0.79	0.74	0.71	0.78	0.74	0.71	0.76	0.72	0.70	0.74	0.71	0.69	0.73	0.70	0.68	0.67
5	0.74	0.70	0.67	0.74	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.63
6	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.60
7	0.67	0.63	0.60	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.57
8	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.55
9	0.62	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.53	0.52
10	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.51	0.57	0.54	0.51	0.50

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2019/1/8	Operator: NT07
Temperature(°C): 10.0	Humidity(%): 65.0%	Distance(m): 7.50

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	1556.44	1531.69	1480.50	1423.13	1326.38	1236.38	1142.44	1037.25	934.31
45.0	1551.38	1539.56	1499.63	1435.50	1357.31	1268.44	1163.25	1053.00	959.63
90.0	1558.69	1555.88	1523.25	1470.94	1399.50	1301.06	1122.24	1084.95	974.08
135.0	1545.75	1565.44	1558.13	1528.88	1479.38	1399.50	1302.75	1207.69	1099.13
180.0	1556.44	1553.63	1530.56	1469.81	1415.25	1339.31	1229.06	1118.48	1036.07
225.0	1551.38	1534.50	1500.19	1439.44	1361.81	1279.69	1117.18	1071.51	980.83
270.0	1558.69	1537.88	1490.06	1409.63	1344.38	1244.25	1142.44	1049.06	948.38
315.0	1545.75	1505.81	1440.00	1354.50	1269.00	1112.34	1054.07	951.92	865.86
360.0	1556.44	1531.69	1480.50	1423.13	1326.38	1236.38	1142.44	1037.25	934.31

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	837.00	744.19	668.25	599.63	523.69	469.13	421.31	375.75	337.50
45.0	869.63	765.56	686.25	613.69	534.38	478.13	429.19	375.75	341.44
90.0	871.71	787.73	698.79	625.84	551.14	486.17	435.49	391.39	339.81
135.0	992.25	898.88	799.31	717.19	633.38	558.56	497.81	443.81	387.56
180.0	943.26	833.40	752.18	668.31	592.88	532.52	475.88	419.57	372.09
225.0	894.15	790.48	713.03	642.04	560.42	501.47	448.71	395.66	351.45
270.0	863.44	770.63	683.44	615.38	552.94	482.06	432.00	387.56	345.94
315.0	783.79	697.56	618.19	554.40	489.38	438.69	389.98	352.01	312.53
360.0	837.00	744.19	668.25	599.63	523.69	469.13	421.31	375.75	337.50

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	308.25	285.75	257.68	239.40	224.44	213.58	203.96	196.26	190.69
45.0	309.94	285.19	251.16	232.59	215.10	200.48	190.35	182.76	176.12
90.0	312.58	284.46	252.51	235.24	218.42	204.41	189.51	179.72	170.72
135.0	347.63	318.38	286.88	258.41	239.51	221.57	207.34	197.72	189.90
180.0	336.43	302.29	277.82	255.32	236.93	223.88	211.33	201.54	194.74
225.0	319.11	285.53	265.84	243.62	225.28	211.84	199.46	189.79	182.59
270.0	309.38	284.06	269.33	238.56	223.76	211.33	199.63	190.13	182.93
315.0	286.65	264.83	246.43	227.31	214.26	202.50	193.44	187.59	182.64
360.0	308.25	285.75	257.68	239.40	224.44	213.58	203.96	196.26	190.69

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	186.47	181.46	178.20	175.28	171.39	168.36	164.19	156.26	145.29
45.0	169.59	164.19	160.14	157.73	155.64	154.01	151.71	145.24	137.14
90.0	165.26	161.49	158.06	154.52	149.63	145.97	144.68	141.86	135.11
135.0	184.44	179.10	174.32	171.39	167.96	165.83	164.25	162.45	157.11
180.0	189.17	183.71	179.89	176.29	172.69	169.20	165.49	162.06	155.59
225.0	176.68	170.78	167.06	164.14	160.99	159.08	157.33	154.52	149.01
270.0	176.29	171.34	167.68	163.41	159.98	155.70	151.93	147.77	140.91
315.0	178.37	175.05	172.41	169.93	167.85	165.49	161.04	154.07	143.33
360.0	186.47	181.46	178.20	175.28	171.39	168.36	164.19	156.26	145.29

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	133.37	118.18	101.70	86.18	68.91	55.01	40.50	27.90	19.46
45.0	127.24	114.69	101.70	89.21	73.13	58.50	44.33	32.34	23.68
90.0	127.46	117.84	102.21	87.92	74.25	60.69	48.15	37.18	27.73
135.0	149.57	139.28	126.51	110.03	96.41	79.26	61.37	47.48	35.78
180.0	144.79	134.72	121.84	106.54	90.17	74.36	57.38	42.41	30.83
225.0	141.02	128.81	118.52	103.56	85.73	73.69	60.86	43.88	33.24
270.0	130.61	118.91	107.04	92.70	80.27	67.95	51.24	38.93	31.22
315.0	129.54	115.82	100.86	81.23	66.99	53.89	37.91	27.00	19.07
360.0	133.37	118.18	101.70	86.18	68.91	55.01	40.50	27.90	19.46

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	13.84	10.41	9.84	9.45	8.94	8.33	7.82	7.43	5.68
45.0	17.16	14.12	13.56	12.99	12.49	11.93	11.25	10.46	9.00
90.0	20.19	16.26	15.47	14.63	13.67	12.66	11.59	10.63	9.51
135.0	24.86	17.38	13.56	12.09	11.76	11.31	10.86	10.29	9.39
180.0	20.19	13.84	10.01	9.11	8.61	8.10	7.43	6.75	6.08
225.0	23.29	14.85	12.54	11.64	10.91	9.90	8.94	7.93	7.09
270.0	22.39	17.10	15.24	13.50	12.26	10.97	9.17	8.21	7.31
315.0	13.67	11.53	10.91	10.35	9.73	8.94	8.16	7.59	5.79
360.0	13.84	10.41	9.84	9.45	8.94	8.33	7.82	7.43	5.68

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	4.61	4.50	4.39	4.28	4.16	4.05	3.94	3.77	3.66
45.0	6.19	5.63	5.06	4.61	4.28	3.99	3.83	3.60	3.43
90.0	6.58	5.57	5.12	4.67	4.33	4.11	3.77	3.66	3.49
135.0	8.55	5.51	5.01	4.56	4.22	4.05	3.71	3.54	3.38
180.0	4.84	4.11	3.94	3.83	3.71	3.54	3.43	3.32	3.21
225.0	5.68	5.06	4.67	4.28	3.94	3.71	3.54	3.32	3.21
270.0	5.91	5.40	5.01	4.56	4.33	4.05	3.88	3.77	3.60
315.0	5.29	4.95	4.61	4.33	4.05	3.94	3.77	3.54	3.49
360.0	4.61	4.50	4.39	4.28	4.16	4.05	3.94	3.77	3.66

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	3.60	3.43	3.38	3.26	3.38	3.54	3.83	4.11	4.50
45.0	3.32	3.26	3.21	3.15	3.15	3.32	3.54	3.83	4.11
90.0	3.38	3.26	3.21	3.09	3.09	2.98	2.98	2.93	2.98
135.0	3.21	3.15	3.04	2.93	2.87	2.81	2.76	2.70	2.70
180.0	3.09	2.98	2.93	2.81	2.76	2.70	2.64	2.53	2.53
225.0	3.09	2.98	2.93	2.87	2.81	2.81	2.76	2.70	2.64
270.0	3.54	3.49	3.38	3.32	3.26	3.15	3.09	3.09	2.98
315.0	3.38	3.32	3.26	3.21	3.15	3.15	3.04	3.04	3.04
360.0	3.60	3.43	3.38	3.26	3.38	3.54	3.83	4.11	4.50

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	4.95	5.46	5.96	6.36	6.53	6.47	6.19	5.68	4.56
45.0	4.28	4.56	4.84	5.23	5.51	5.51	5.06	4.50	3.83
90.0	3.04	3.15	3.32	3.32	3.43	3.43	3.54	3.49	3.15
135.0	2.64	2.59	2.59	2.48	2.42	2.42	2.42	2.48	2.53
180.0	2.48	2.48	2.42	2.31	2.31	2.31	2.25	2.14	2.14
225.0	2.59	2.53	2.53	2.42	2.42	2.36	2.31	2.25	2.25
270.0	2.93	2.87	2.87	2.81	2.81	2.70	2.70	2.64	2.59
315.0	3.09	3.21	3.26	3.49	3.71	3.94	3.99	3.77	3.26
360.0	4.95	5.46	5.96	6.36	6.53	6.47	6.19	5.68	4.56

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.43	2.81	2.81	2.87	2.93	2.98	1.91	1.86	1.86
45.0	2.87	2.64	2.64	2.70	2.70	2.64	1.86	1.80	1.80
90.0	2.70	2.48	2.48	2.42	2.36	2.25	1.86	1.86	1.74
135.0	2.53	2.36	2.25	2.19	2.19	2.14	2.14	1.86	1.86
180.0	2.08	2.08	2.08	2.03	2.03	2.03	1.91	1.91	1.91
225.0	2.19	2.14	2.08	2.08	2.03	1.97	1.86	1.80	1.80
270.0	2.53	2.48	2.36	2.31	2.25	2.19	1.80	1.80	1.69
315.0	2.76	2.64	2.59	2.64	2.70	1.97	1.86	1.80	1.80
360.0	3.43	2.81	2.81	2.87	2.93	2.98	1.91	1.86	1.86

Intensity data(cd)

C/γ(°)	90.0
0.0	1.80
45.0	1.80
90.0	1.69
135.0	1.80
180.0	1.91
225.0	1.86
270.0	1.69
315.0	1.80
360.0	1.80