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NT

LumCAT: 1-1376-L
Luminaire: 92.70.409.00
LampCAT: NICHIA NTCLS024B-V3
Ballast type: AC

Report No: 20231205-B016	Voltage(V): 37.7200
Test No: 20231205-C016	Current(A): 0.2310
Number of Lamps: 1	Power (W): 8.7130
Lamp flux(lm): 1012.2	PF: 0.0000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 934.74, Efficiency(%): 92.35% , Luminous Efficacy(lm/W): 107.28
Central intensity(cd): 1461.058, Maximum intensity(cd): 1462.927
Angle of maximum intensity: C=0.0 γ=2.0
Beam Angle(50%Imax): [C0/180]Total=49.2
[C90/270]Total=49.2
Field angle(10%Imax): [C0/180]Total=67.8
[C90/270]Total=67.8
Maximum s/h(1/2): C0_180=0.81 C90_270=0.81
Maximum s/h(1/4): C0_180=0.73 C90_270=0.73
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.35%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.064%

Equipment: GMS1980	Date: 2023/12/05	Operator: NT07
Temperature(°C): 0.0	Humidity(%): 0.0%	Distance(m): 7.44

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1461.058	0.000	0	0.00%	0.00%
1.0	1461.335	1.398	1.398	0.14%	0.15%
2.0	1462.926	4.197	5.595	0.41%	0.60%
3.0	1460.851	6.993	12.588	0.69%	1.35%
4.0	1458.775	9.773	22.361	0.97%	2.39%
5.0	1452.063	12.522	34.883	1.24%	3.73%
6.0	1446.251	15.231	50.115	1.50%	5.36%
7.0	1439.470	17.912	68.026	1.77%	7.28%
8.0	1431.375	20.546	88.573	2.03%	9.48%
9.0	1420.304	23.111	111.684	2.28%	11.95%
10.0	1405.013	25.568	137.252	2.53%	14.68%
11.0	1390.344	27.931	165.183	2.76%	17.67%
12.0	1369.171	30.165	195.349	2.98%	20.90%
13.0	1345.438	32.216	227.564	3.18%	24.35%
14.0	1318.246	34.095	261.659	3.37%	27.99%
15.0	1288.217	35.783	297.442	3.54%	31.82%
16.0	1249.684	37.187	334.629	3.67%	35.80%
17.0	1207.767	38.269	372.898	3.78%	39.89%
18.0	1162.979	39.088	411.987	3.86%	44.08%
19.0	1105.882	39.474	451.46	3.90%	48.30%
20.0	1063.011	39.697	491.157	3.92%	52.54%
21.0	999.472	39.604	530.761	3.91%	56.78%
22.0	930.944	38.793	569.553	3.83%	60.93%
23.0	862.866	37.639	607.192	3.72%	64.96%
24.0	780.486	35.930	643.122	3.55%	68.80%
25.0	703.184	33.735	676.857	3.33%	72.41%
26.0	618.078	31.189	708.046	3.08%	75.75%
27.0	538.860	28.305	736.351	2.80%	78.78%
28.0	462.389	25.350	761.7	2.50%	81.49%
29.0	391.122	22.330	784.03	2.21%	83.88%
30.0	326.386	19.373	803.403	1.91%	85.95%
31.0	270.824	16.619	820.023	1.64%	87.73%
32.0	230.845	14.372	834.395	1.42%	89.26%
33.0	198.249	12.641	847.036	1.25%	90.62%
34.0	142.819	10.322	857.358	1.02%	91.72%
35.0	116.263	8.046	865.404	0.79%	92.58%
36.0	94.599	6.714	872.118	0.66%	93.30%
37.0	77.260	5.605	877.723	0.55%	93.90%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	63.075	4.684	882.407	0.46%	94.40%
39.0	51.915	3.925	886.332	0.39%	94.82%
40.0	43.556	3.330	889.662	0.33%	95.18%
41.0	36.139	2.838	892.5	0.28%	95.48%
42.0	30.998	2.439	894.939	0.24%	95.74%
43.0	26.701	2.137	897.076	0.21%	95.97%
44.0	23.449	1.893	898.969	0.19%	96.17%
45.0	20.834	1.702	900.671	0.17%	96.36%
46.0	18.758	1.548	902.219	0.15%	96.52%
47.0	17.084	1.426	903.645	0.14%	96.67%
48.0	15.624	1.322	904.967	0.13%	96.81%
49.0	14.433	1.234	906.201	0.12%	96.95%
50.0	13.430	1.162	907.363	0.11%	97.07%
51.0	12.586	1.101	908.464	0.11%	97.19%
52.0	11.839	1.048	909.512	0.10%	97.30%
53.0	11.181	1.001	910.513	0.10%	97.41%
54.0	10.621	0.961	911.474	0.09%	97.51%
55.0	10.137	0.927	912.401	0.09%	97.61%
56.0	9.715	0.897	913.298	0.09%	97.71%
57.0	9.341	0.871	914.169	0.09%	97.80%
58.0	8.981	0.847	915.016	0.08%	97.89%
59.0	8.663	0.825	915.841	0.08%	97.98%
60.0	8.379	0.805	916.646	0.08%	98.06%
61.0	8.130	0.788	917.434	0.08%	98.15%
62.0	7.867	0.771	918.205	0.08%	98.23%
63.0	7.666	0.755	918.96	0.07%	98.31%
64.0	7.438	0.741	919.702	0.07%	98.39%
65.0	7.258	0.727	920.429	0.07%	98.47%
66.0	7.078	0.715	921.144	0.07%	98.55%
67.0	6.892	0.702	921.847	0.07%	98.62%
68.0	6.746	0.691	922.537	0.07%	98.69%
69.0	6.587	0.680	923.218	0.07%	98.77%
70.0	6.435	0.669	923.886	0.07%	98.84%
71.0	6.290	0.658	924.544	0.06%	98.91%
72.0	6.130	0.646	925.19	0.06%	98.98%
73.0	5.999	0.634	925.824	0.06%	99.05%
74.0	5.847	0.623	926.447	0.06%	99.11%
75.0	5.701	0.610	927.057	0.06%	99.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.542	0.597	927.654	0.06%	99.24%
77.0	5.404	0.584	928.238	0.06%	99.30%
78.0	5.245	0.570	928.808	0.06%	99.37%
79.0	5.127	0.557	929.365	0.06%	99.42%
80.0	4.996	0.546	929.911	0.05%	99.48%
81.0	4.871	0.534	930.444	0.05%	99.54%
82.0	4.733	0.521	930.965	0.05%	99.60%
83.0	4.622	0.509	931.474	0.05%	99.65%
84.0	4.491	0.496	931.97	0.05%	99.70%
85.0	4.401	0.485	932.455	0.05%	99.76%
86.0	4.297	0.475	932.931	0.05%	99.81%
87.0	4.193	0.465	933.395	0.05%	99.86%
88.0	4.117	0.455	933.85	0.04%	99.90%
89.0	4.048	0.448	934.298	0.04%	99.95%
90.0	4.020	0.442	934.74	0.04%	100.00%

Zonal flux distribution table

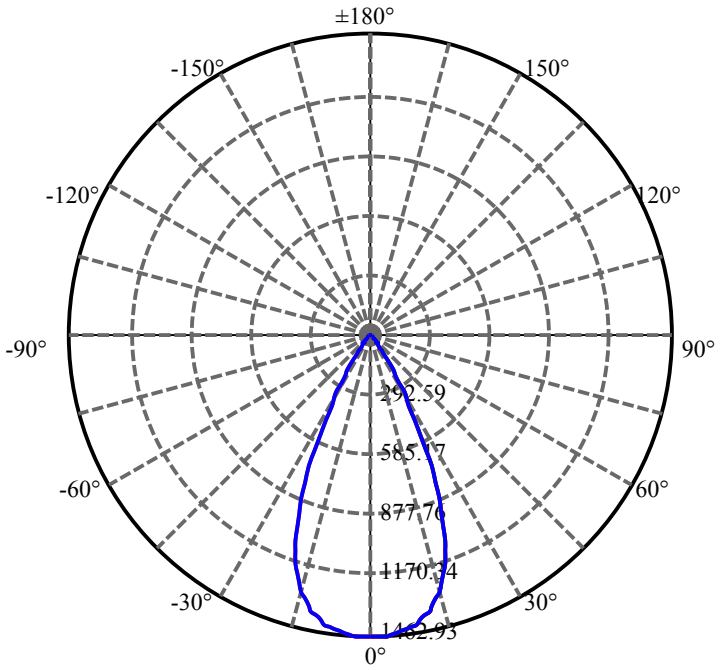
ZONAL LUMEN SUMMARY

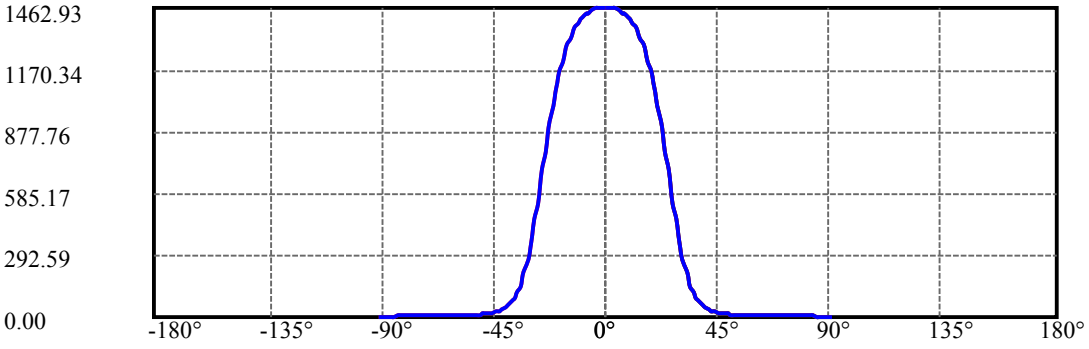
Zone	Lumens	%Lamp	%Fixt
0-30	803.40	79.38%	85.95%
0-40	889.66	87.90%	95.18%
0-60	916.65	90.56%	98.06%
0-90	934.30	92.31%	99.95%
0-120	934.30	92.31%	99.95%
0-180	934.74	92.35%	100.00%
60-90	17.65	1.74%	1.89%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.45	747.79	73.88%	80.00%

ZONAL LUMEN SUMMARY

0-10	137.25
10-20	353.91
20-30	312.25
30-40	86.26
40-50	17.70
50-60	9.28
60-70	7.24
70-80	6.02
80-90	4.39
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):

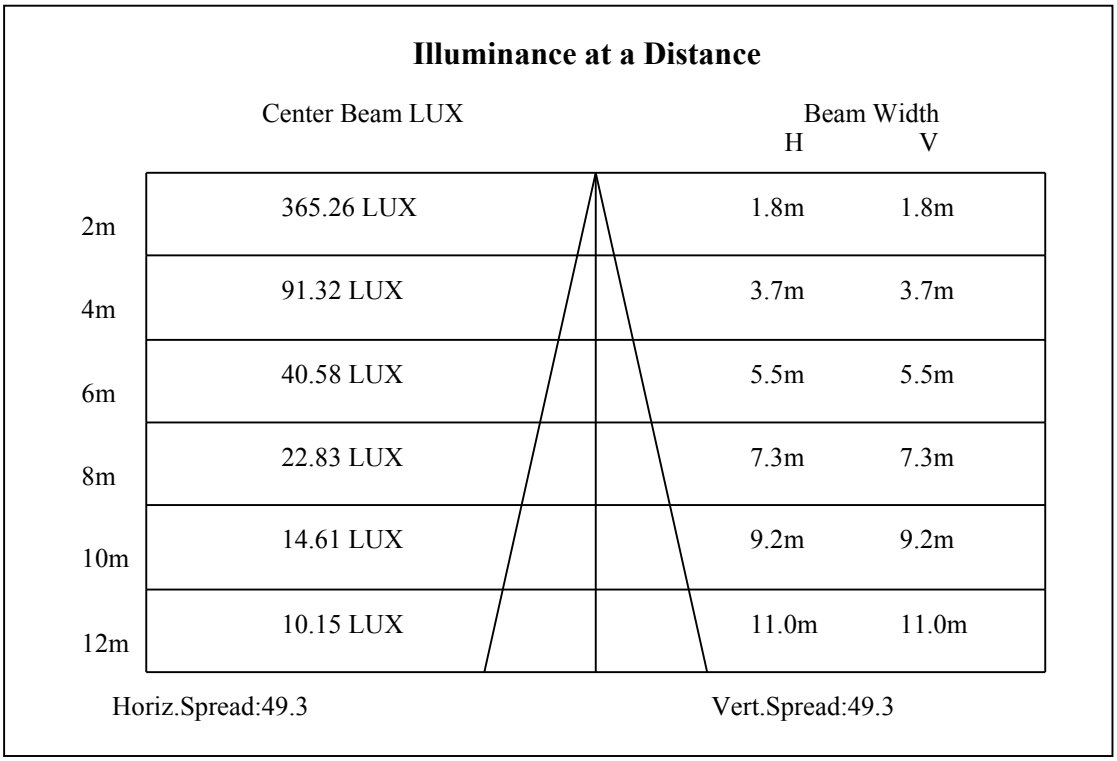
C0/C180:

C90/C270:

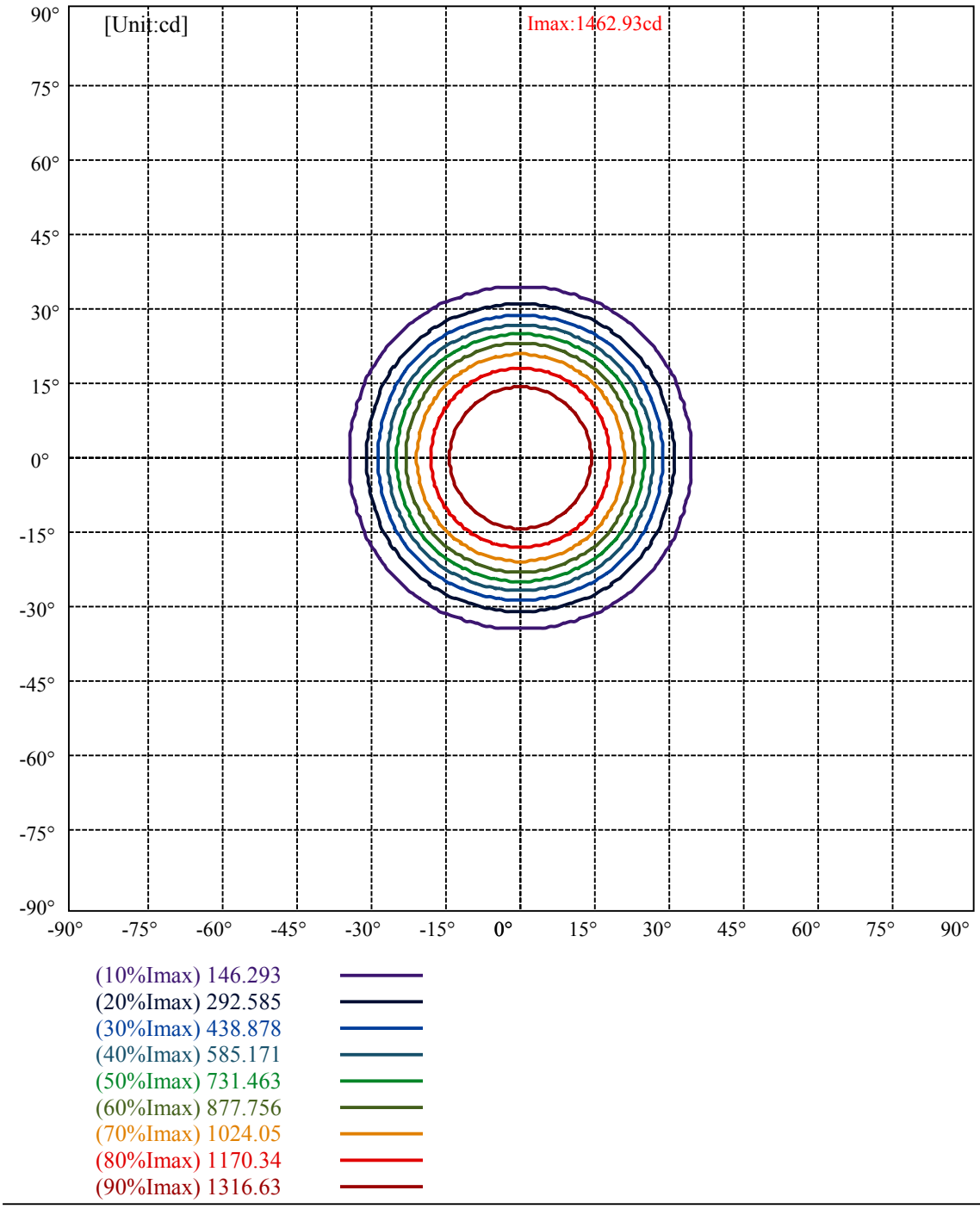
Field angle(10%Imax):C0/180Left:35.9 Right:31.9
:C90/270Left:35.9 Right:31.9

Beam Angle(50%Imax):C0/180Left:26.6 Right:22.6
:C90/270Left:26.6 Right:22.6

Lux distance Curve



ISO-Intensity(V-H)

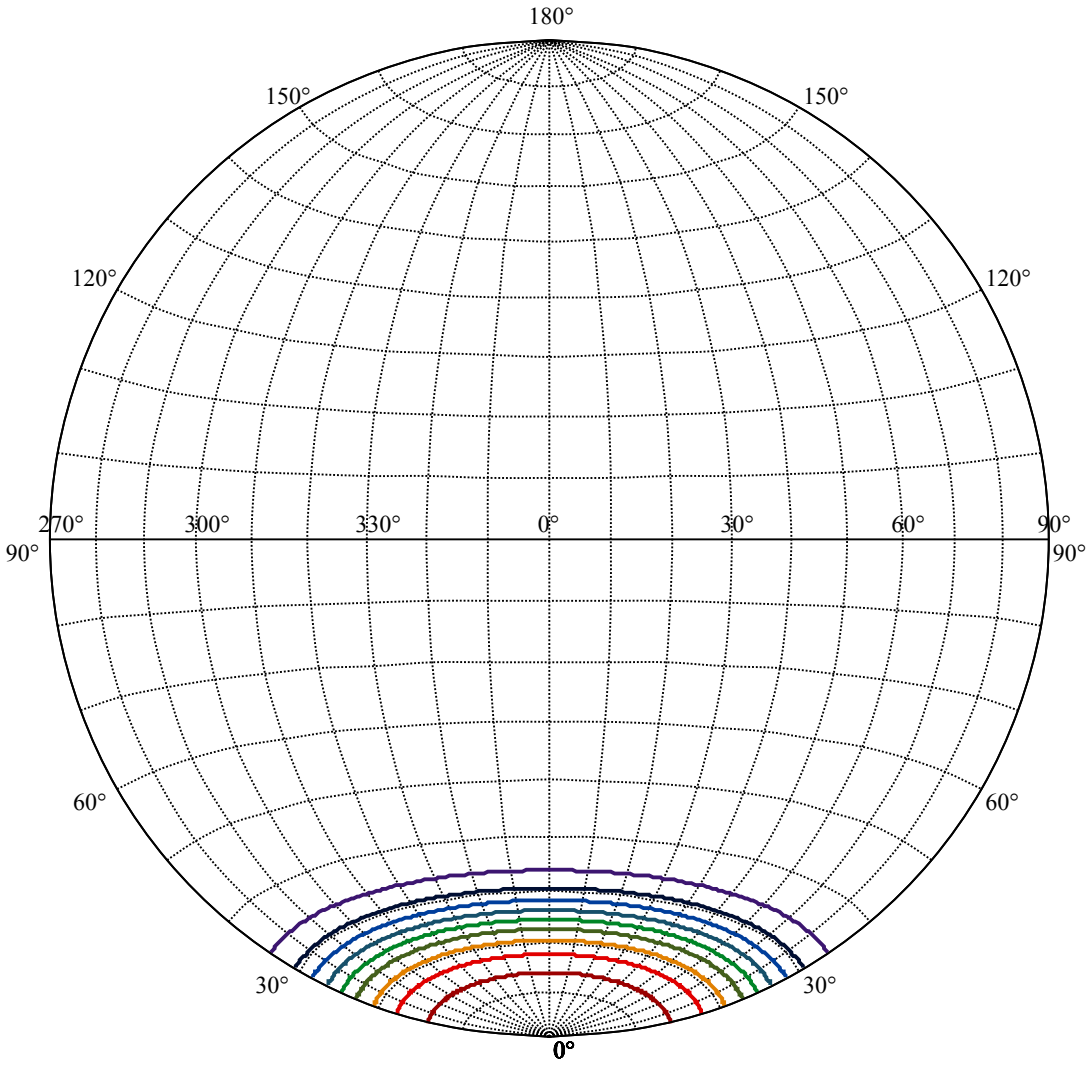


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/12/05
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

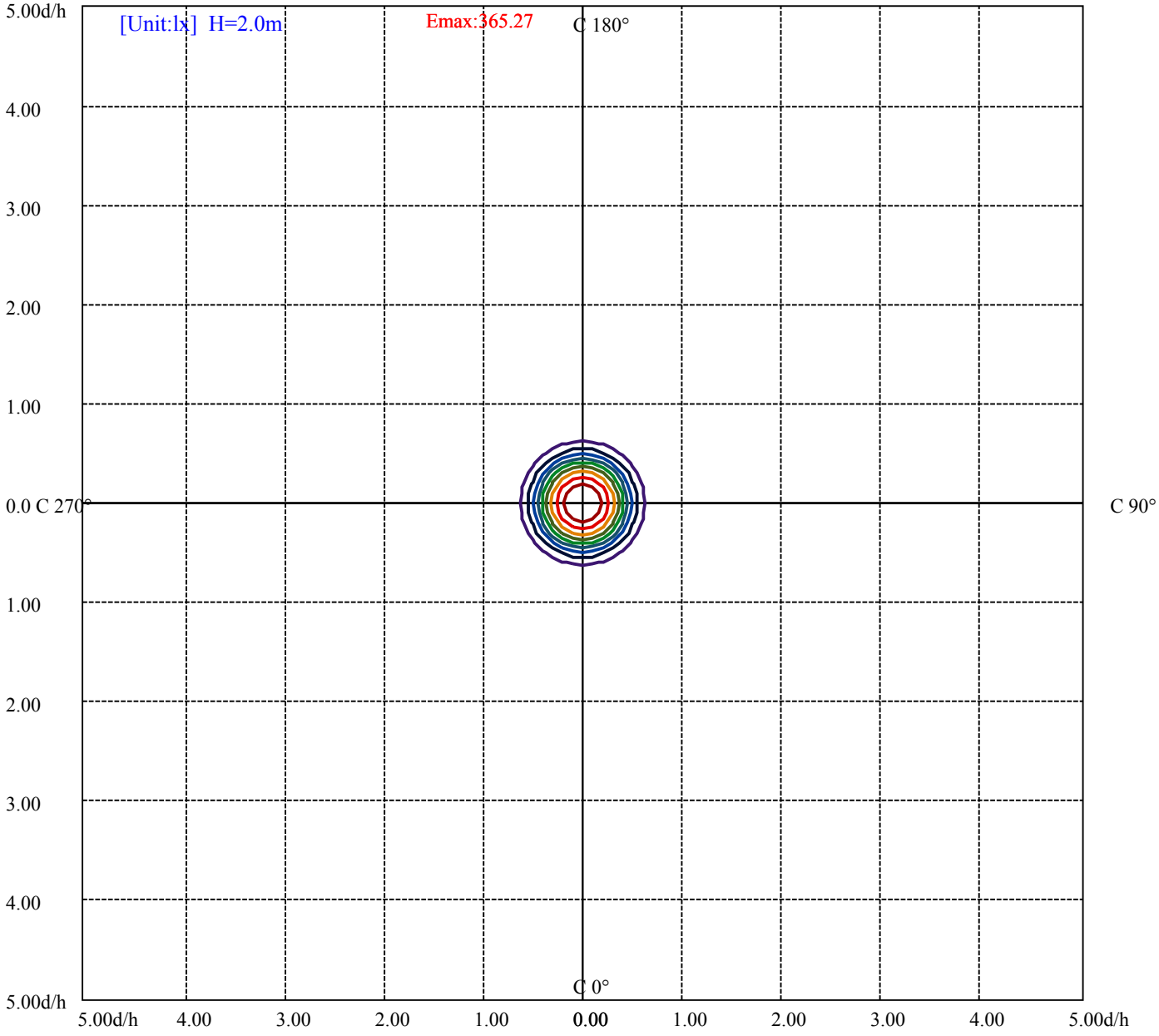
Imax:1462.93

(10%Imax) 146.293
(20%Imax) 292.585
(30%Imax) 438.878
(40%Imax) 585.171
(50%Imax) 731.463
(60%Imax) 877.756
(70%Imax) 1024.05
(80%Imax) 1170.34
(90%Imax) 1316.63

Equipment: GMS1980 Date: 2023/12/05 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

NT 1-1376-L

ISO illuminance diagram

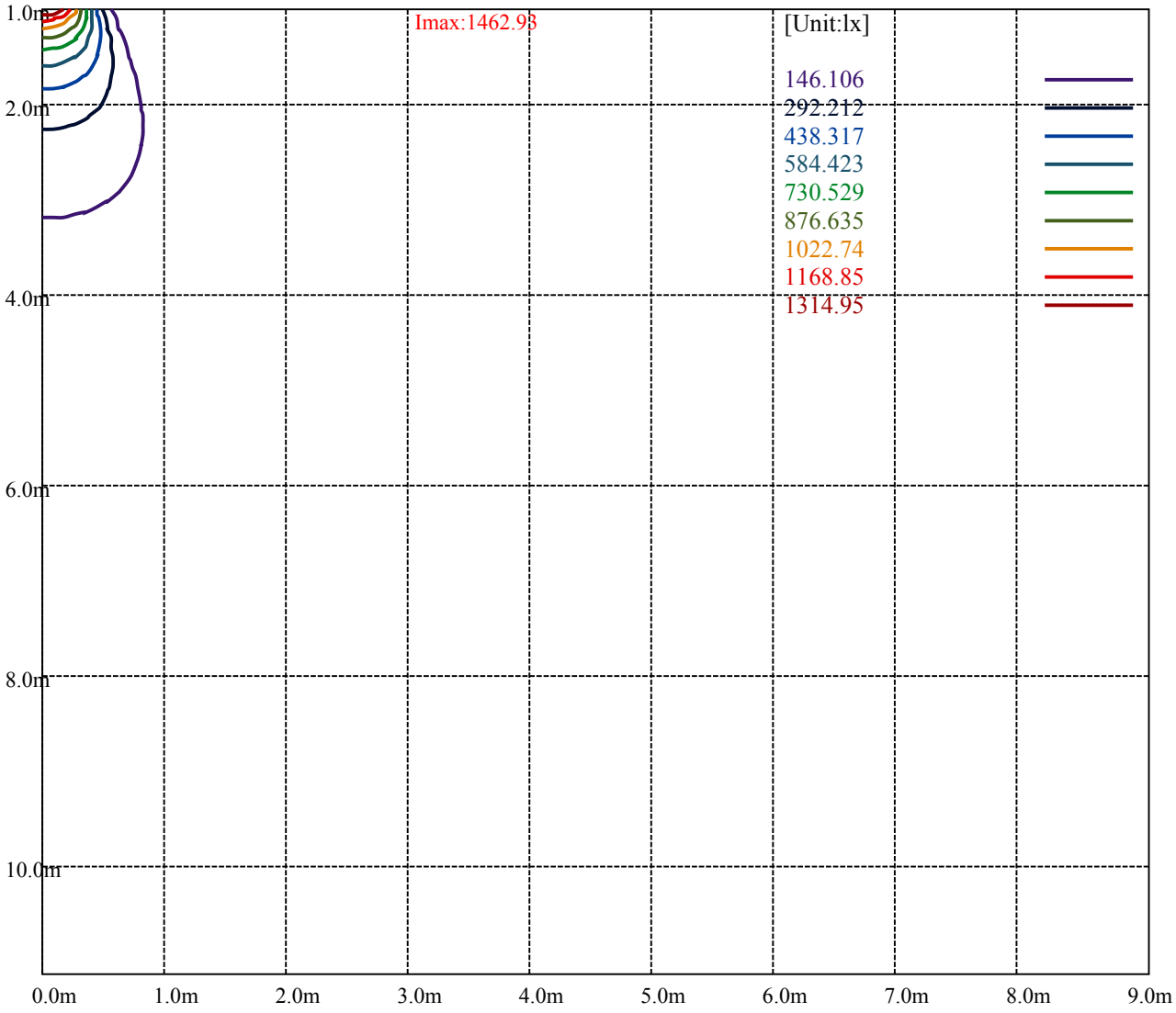


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/12/05
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/12/05
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 1-1376-L

Luminance Limitting Curve(no luminous side)

Luminance Table

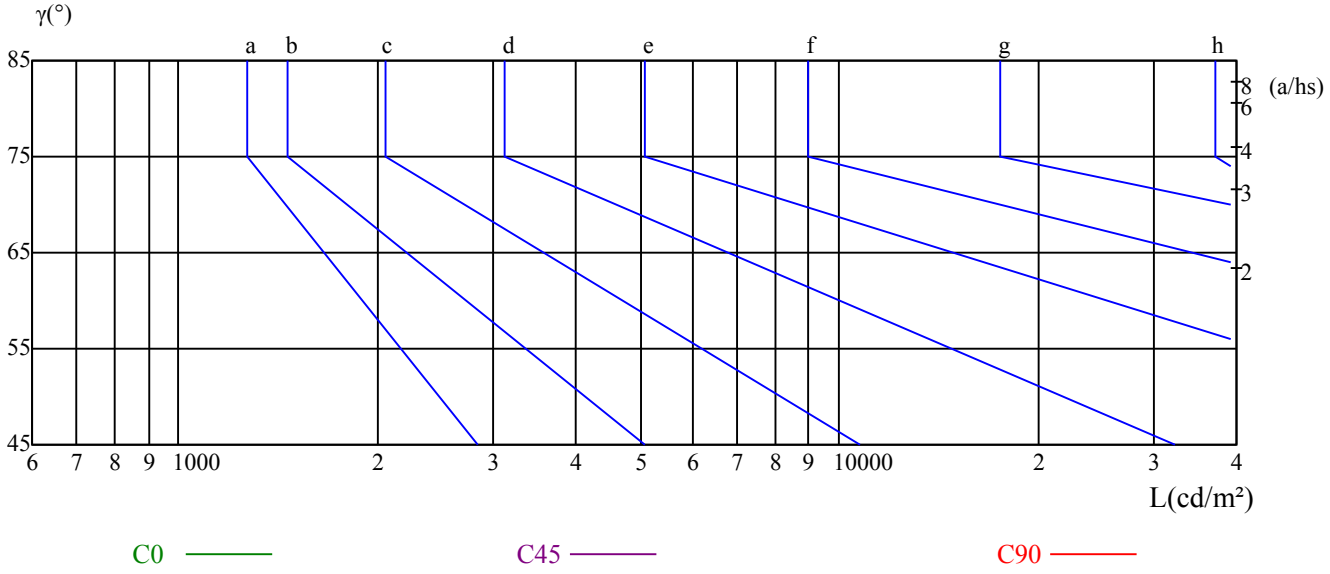
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

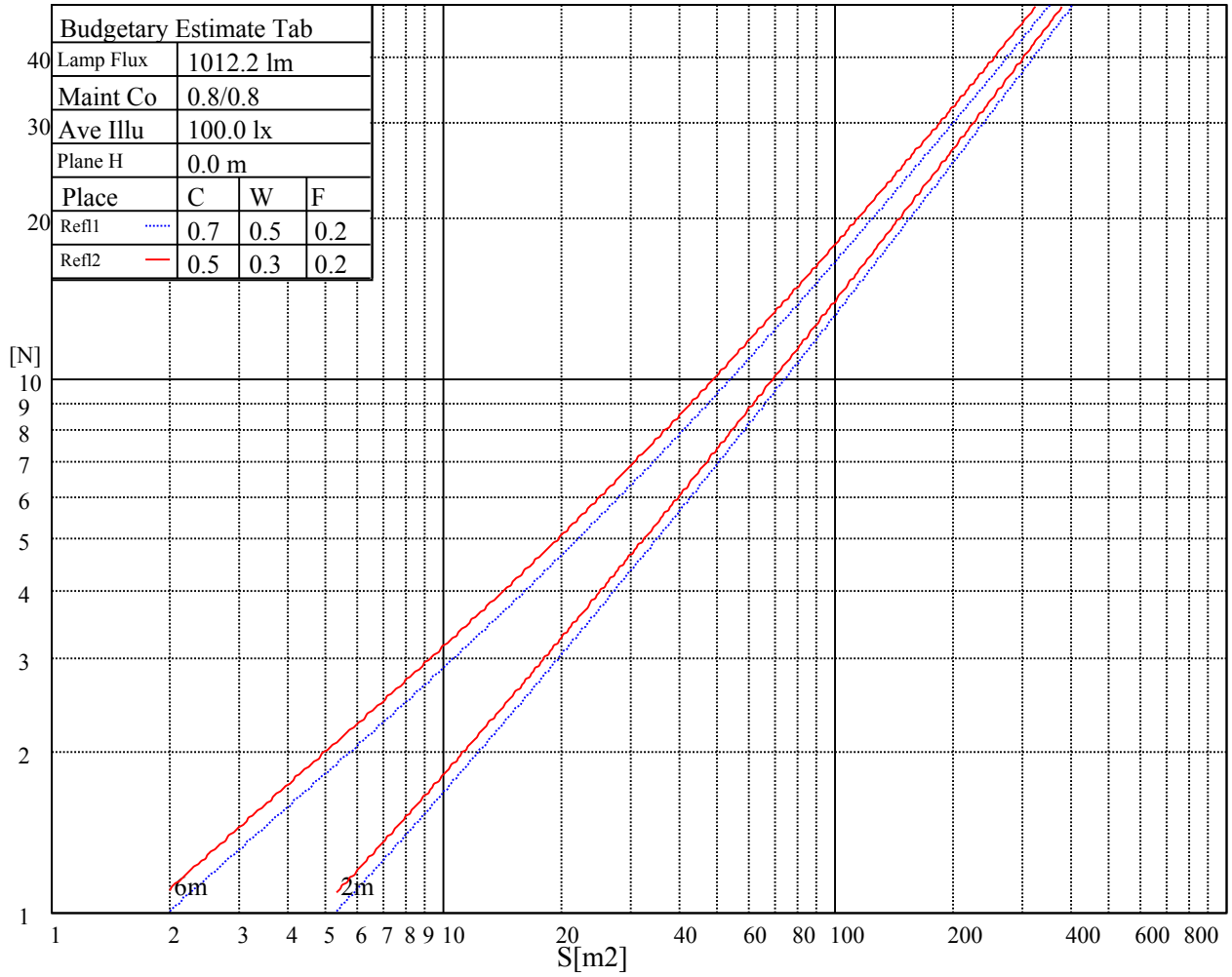
Luminance Limitting Curve



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

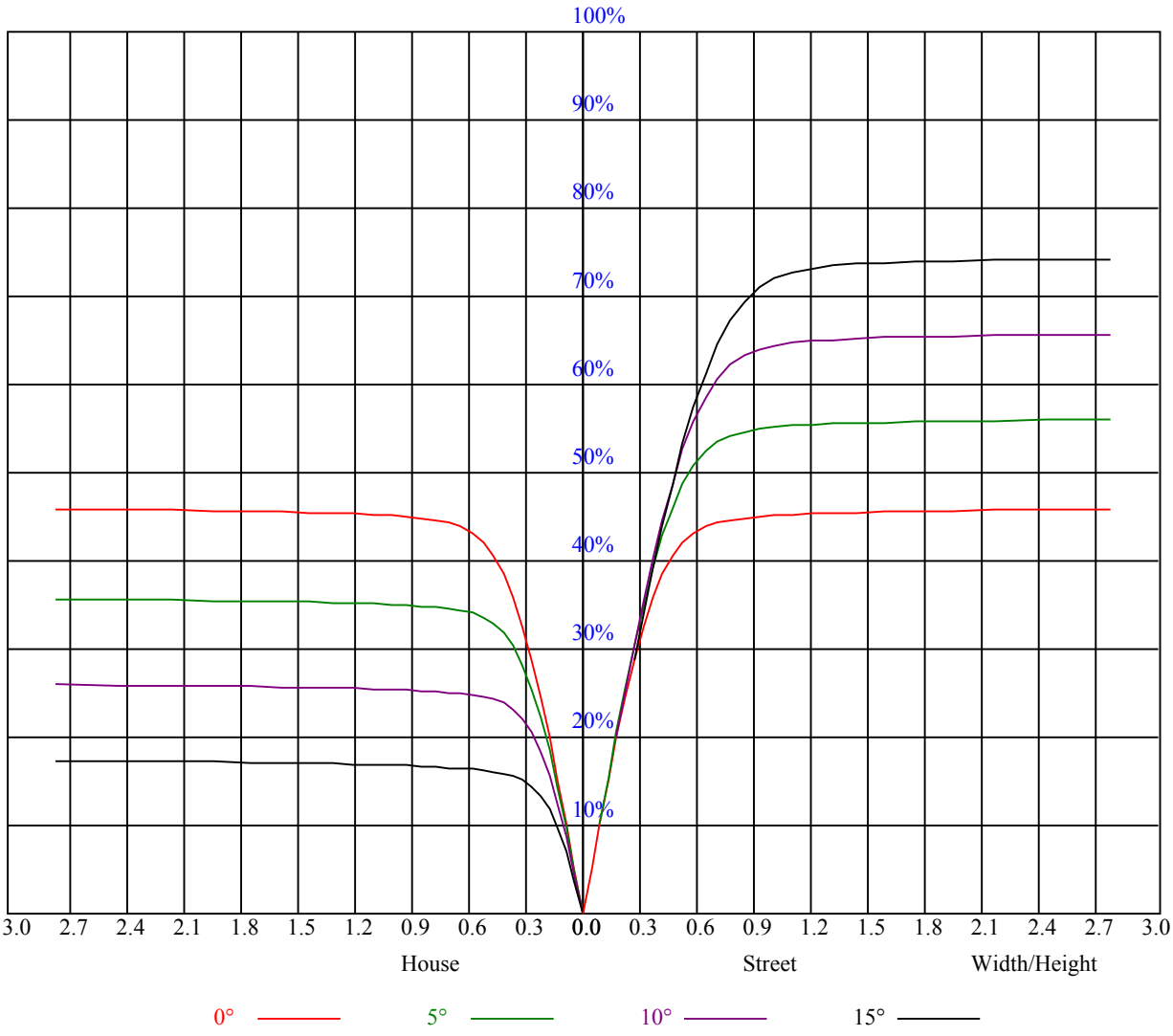


Equipment: GMS1980 Date: 2023/12/05 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.10	1.10	1.10	1.07	1.07	1.07	1.03	1.03	1.03	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.03	1.00	0.98	1.01	0.99	0.97	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
2	0.96	0.93	0.90	0.95	0.91	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.86	0.85	0.83	0.82
3	0.91	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.80	0.78	0.77
4	0.85	0.81	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.78	0.75	0.79	0.76	0.74	0.73
5	0.81	0.76	0.72	0.80	0.76	0.72	0.78	0.75	0.71	0.77	0.74	0.71	0.76	0.73	0.70	0.69
6	0.77	0.72	0.68	0.76	0.71	0.68	0.75	0.71	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.65
7	0.73	0.68	0.65	0.72	0.68	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.62
8	0.70	0.65	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.59
9	0.66	0.61	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.64	0.60	0.58	0.56
10	0.63	0.59	0.55	0.63	0.58	0.55	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.54

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/12/05	Operator: NT07
Temperature(°C): 0.0	Humidity(%): 0.0%	Distance(m): 7.44

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	1467.98	1465.76	1466.87	1463.00	1460.78	1451.92	1445.84	1436.43	1422.03
45.0	1467.98	1456.91	1446.94	1434.77	1423.69	1405.43	1392.70	1382.73	1368.89
90.0	1446.94	1434.77	1422.59	1403.21	1386.61	1370.00	1351.18	1338.45	1321.29
135.0	1461.34	1450.82	1442.51	1432.55	1424.25	1408.75	1395.46	1381.63	1375.54
180.0	1467.98	1464.66	1466.32	1465.21	1462.44	1458.57	1454.69	1444.73	1436.43
225.0	1467.98	1477.94	1490.67	1497.87	1503.40	1501.74	1498.98	1495.10	1489.57
270.0	1446.94	1467.42	1481.26	1495.10	1507.83	1517.24	1524.99	1528.31	1529.42
315.0	1461.34	1472.41	1486.24	1495.10	1501.19	1502.85	1506.17	1508.39	1507.83
360.0	1467.98	1465.76	1466.87	1463.00	1460.78	1451.92	1445.84	1436.43	1422.03

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1407.64	1385.50	1367.79	1343.99	1306.90	1277.01	1240.47	1200.07	1096.67
45.0	1354.50	1339.56	1324.06	1301.92	1283.10	1262.06	1236.60	1201.17	1167.41
90.0	1305.79	1284.76	1265.38	1243.80	1224.42	1196.74	1171.84	1104.36	1104.36
135.0	1362.25	1342.32	1327.93	1304.68	1285.86	1265.38	1241.03	1210.58	1179.03
180.0	1426.46	1413.18	1399.89	1383.29	1357.82	1337.34	1313.54	1289.19	1252.10
225.0	1478.49	1464.66	1447.50	1424.25	1401.00	1374.43	1334.58	1298.04	1261.51
270.0	1527.21	1522.78	1517.24	1497.87	1477.39	1441.41	1412.07	1376.64	1325.17
315.0	1500.08	1487.35	1472.96	1453.59	1427.02	1391.59	1355.61	1317.42	1275.90
360.0	1407.64	1385.50	1367.79	1343.99	1306.90	1277.01	1240.47	1200.07	1096.67

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1096.67	1040.76	983.02	896.67	824.44	749.88	651.79	574.96	478.97
45.0	1129.77	1076.07	1026.81	972.56	900.60	836.39	767.20	671.99	596.71
90.0	1067.66	1016.79	966.92	911.56	836.34	770.80	701.11	629.81	556.97
135.0	1145.82	1111.50	1059.47	1009.65	956.51	896.73	816.47	745.06	652.07
180.0	1218.33	1181.80	1138.07	1080.50	1027.36	964.81	881.78	813.70	725.13
225.0	1177.37	1092.74	1092.74	1029.47	946.49	877.24	804.68	731.17	635.63
270.0	1281.99	1232.72	1159.10	1104.30	1035.67	958.72	869.05	788.24	705.76
315.0	1186.23	1094.67	1077.96	991.05	920.14	848.35	751.81	670.55	593.39
360.0	1096.67	1040.76	983.02	896.67	824.44	749.88	651.79	574.96	478.97

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	408.18	343.91	287.06	227.78	188.59	155.27	127.87	101.02	83.20
45.0	520.88	428.99	362.57	303.34	290.05	228.83	158.53	129.86	106.50
90.0	464.91	395.94	334.28	279.26	220.58	181.84	148.74	115.30	94.43
135.0	572.91	499.84	412.38	349.28	292.82	279.54	221.97	155.32	127.42
180.0	652.62	577.89	504.82	416.26	350.39	292.27	292.27	184.94	151.95
225.0	562.01	489.27	402.53	338.71	269.18	223.02	184.16	153.00	120.39
270.0	628.82	531.95	460.54	392.46	315.52	288.39	288.39	167.06	138.72
315.0	500.56	431.32	364.78	304.00	239.46	197.61	164.07	136.06	107.50
360.0	408.18	343.91	287.06	227.78	188.59	155.27	127.87	101.02	83.20

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	69.14	57.68	46.44	39.85	33.32	29.45	26.35	23.30	21.26
45.0	83.03	68.20	56.63	45.45	38.64	33.10	27.84	24.52	21.92
90.0	77.44	61.22	51.04	41.07	34.93	30.17	26.40	22.81	20.48
135.0	99.30	81.20	66.87	55.46	46.33	37.81	32.38	27.40	24.30
180.0	124.49	102.40	80.10	66.26	55.02	43.90	37.14	31.77	26.63
225.0	99.69	82.26	68.69	54.69	45.94	38.80	33.27	28.01	24.91
270.0	114.91	91.17	75.83	63.16	52.59	42.01	35.43	30.28	26.18
315.0	88.79	73.95	59.01	49.38	41.68	33.88	29.17	25.52	21.92
360.0	69.14	57.68	46.44	39.85	33.32	29.45	26.35	23.30	21.26

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	19.54	17.93	16.27	15.11	14.12	13.23	12.23	11.57	11.02
45.0	19.26	17.55	16.11	14.89	13.62	12.84	12.12	11.51	10.85
90.0	18.54	16.94	15.33	14.23	13.34	12.34	11.73	11.02	10.52
135.0	21.81	19.32	17.71	16.33	14.89	13.95	13.12	12.40	11.62
180.0	23.53	20.54	18.60	16.99	15.61	14.17	13.28	12.51	11.79
225.0	21.92	19.93	18.27	16.55	15.33	14.23	13.40	12.40	11.68
270.0	22.42	20.09	18.10	16.22	14.89	13.84	12.73	12.01	11.24
315.0	19.65	17.77	16.27	14.67	13.67	12.84	12.07	11.29	10.74
360.0	19.54	17.93	16.27	15.11	14.12	13.23	12.23	11.57	11.02

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	10.35	9.91	9.52	9.13	8.80	8.41	8.19	7.97	7.75
45.0	10.41	9.91	9.58	9.24	8.86	8.58	8.30	8.08	7.80
90.0	10.02	9.58	9.24	8.91	8.64	8.30	8.08	7.86	7.64
135.0	11.07	10.52	10.07	9.63	9.24	8.91	8.52	8.25	7.97
180.0	11.07	10.57	10.13	9.74	9.30	9.02	8.69	8.41	8.14
225.0	11.07	10.57	9.96	9.58	9.24	8.80	8.52	8.30	7.97
270.0	10.68	10.24	9.80	9.47	9.08	8.80	8.47	8.25	7.97
315.0	10.30	9.80	9.41	9.02	8.69	8.47	8.25	7.92	7.69
360.0	10.35	9.91	9.52	9.13	8.80	8.41	8.19	7.97	7.75

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	7.53	7.36	7.20	7.03	6.81	6.64	6.53	6.37	6.20
45.0	7.64	7.42	7.25	7.03	6.86	6.75	6.53	6.37	6.25
90.0	7.53	7.31	7.09	6.92	6.75	6.64	6.48	6.31	6.14
135.0	7.75	7.58	7.36	7.14	6.97	6.81	6.64	6.48	6.37
180.0	7.86	7.64	7.47	7.31	7.09	6.92	6.75	6.64	6.48
225.0	7.75	7.47	7.31	7.14	6.97	6.81	6.64	6.48	6.37
270.0	7.75	7.47	7.31	7.14	6.92	6.75	6.64	6.48	6.31
315.0	7.53	7.25	7.09	6.92	6.75	6.64	6.48	6.37	6.20
360.0	7.53	7.36	7.20	7.03	6.81	6.64	6.53	6.37	6.20

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.03	5.87	5.76	5.59	5.42	5.26	5.15	5.04	4.87
45.0	6.09	5.98	5.81	5.70	5.54	5.37	5.15	5.09	4.98
90.0	6.03	5.87	5.76	5.59	5.42	5.31	5.15	5.04	4.87
135.0	6.20	6.03	5.92	5.76	5.59	5.48	5.31	5.15	5.04
180.0	6.31	6.20	6.03	5.87	5.70	5.59	5.42	5.31	5.15
225.0	6.14	6.03	5.87	5.76	5.59	5.48	5.31	5.15	5.04
270.0	6.20	6.09	5.92	5.76	5.59	5.48	5.31	5.20	5.09
315.0	6.03	5.92	5.70	5.59	5.48	5.26	5.15	5.04	4.93
360.0	6.03	5.87	5.76	5.59	5.42	5.26	5.15	5.04	4.87

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.76	4.59	4.54	4.37	4.32	4.21	4.10	4.10	4.04
45.0	4.82	4.71	4.59	4.48	4.37	4.26	4.15	4.10	3.99
90.0	4.76	4.65	4.54	4.43	4.32	4.21	4.10	4.04	3.99
135.0	4.93	4.76	4.65	4.48	4.43	4.32	4.21	4.15	4.04
180.0	5.04	4.87	4.76	4.65	4.48	4.43	4.32	4.21	4.15
225.0	4.93	4.82	4.65	4.54	4.43	4.32	4.26	4.15	4.10
270.0	4.93	4.82	4.71	4.54	4.48	4.37	4.26	4.15	4.10
315.0	4.82	4.65	4.54	4.43	4.37	4.26	4.15	4.04	3.99
360.0	4.76	4.59	4.54	4.37	4.32	4.21	4.10	4.10	4.04

Intensity data(cd)

C/γ(°)	90.0
0.0	4.04
45.0	4.04
90.0	3.99
135.0	4.04
180.0	4.04
225.0	4.04
270.0	3.99
315.0	3.99
360.0	4.04