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Nata

Client: NT

LumCAT: 1-1755-LM

Luminaire: 92.70.492.00 LED HOLDER

Report No: 20251128-B003

Ballast type: DC

Test No: 20251128-C003

Voltage(V): 34.600

LampCAT: PHILIPS SLM 1203 L09 1313

Current(A): 0.218

Lamp flux(lm): 1321.0

Power (W): 7.542

Number of Lamps: 1

PF: 0.000

Length(mm): 50

Width(mm): 50

Phm Type: C

Height(mm): 22

Photometric Results

Lumens(lm): 1278.60, Efficiency(%): 96.79% , Luminous Efficacy(lm/W): 169.53

Central intensity(cd): 3415.757, Maximum intensity(cd): 3415.757

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=25.4

[C90/270]Total=25.4

Field angle(10%Imax): [C0/180]Total=75.4

[C90/270]Total=75.4

Maximum s/h(1/2): C0_180=0.42 C90_270=0.42

Maximum s/h(1/4): C0_180=0.47 C90_270=0.47

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 96.79%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.359%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3415.757	0.000	0	0.00%	0.00%
1.0	3401.332	3.262	3.262	0.25%	0.26%
2.0	3354.936	9.697	12.959	0.73%	1.01%
3.0	3280.982	15.871	28.83	1.20%	2.25%
4.0	3181.946	21.633	50.464	1.64%	3.95%
5.0	3059.658	26.851	77.315	2.03%	6.05%
6.0	2910.350	31.374	108.689	2.38%	8.50%
7.0	2737.898	35.059	143.747	2.65%	11.24%
8.0	2564.261	37.947	181.694	2.87%	14.21%
9.0	2352.120	39.845	221.538	3.02%	17.33%
10.0	2151.582	40.757	262.295	3.09%	20.51%
11.0	1989.798	41.381	303.676	3.13%	23.75%
12.0	1810.758	41.546	345.221	3.15%	27.00%
13.0	1654.098	41.119	386.341	3.11%	30.22%
14.0	1518.418	40.608	426.948	3.07%	33.39%
15.0	1385.128	39.861	466.81	3.02%	36.51%
16.0	1257.759	38.726	505.535	2.93%	39.54%
17.0	1141.080	37.356	542.892	2.83%	42.46%
18.0	1041.279	35.982	578.874	2.72%	45.27%
19.0	956.818	34.763	613.637	2.63%	47.99%
20.0	874.511	33.518	647.155	2.54%	50.61%
21.0	806.693	32.283	679.438	2.44%	53.14%
22.0	746.603	31.214	710.652	2.36%	55.58%
23.0	696.730	30.285	740.937	2.29%	57.95%
24.0	648.159	29.404	770.341	2.23%	60.25%
25.0	610.192	28.612	798.953	2.17%	62.49%
26.0	575.196	27.981	826.934	2.12%	64.67%
27.0	544.968	27.405	854.339	2.07%	66.82%
28.0	519.003	26.937	881.277	2.04%	68.92%
29.0	495.364	26.539	907.816	2.01%	71.00%
30.0	476.385	26.237	934.053	1.99%	73.05%
31.0	458.591	26.019	960.072	1.97%	75.09%
32.0	444.715	25.879	985.95	1.96%	77.11%
33.0	429.171	25.745	1011.695	1.95%	79.12%
34.0	417.707	25.629	1037.324	1.94%	81.13%
35.0	400.494	25.410	1062.735	1.92%	83.12%
36.0	382.850	24.942	1087.677	1.89%	85.07%
37.0	358.952	24.193	1111.87	1.83%	86.96%

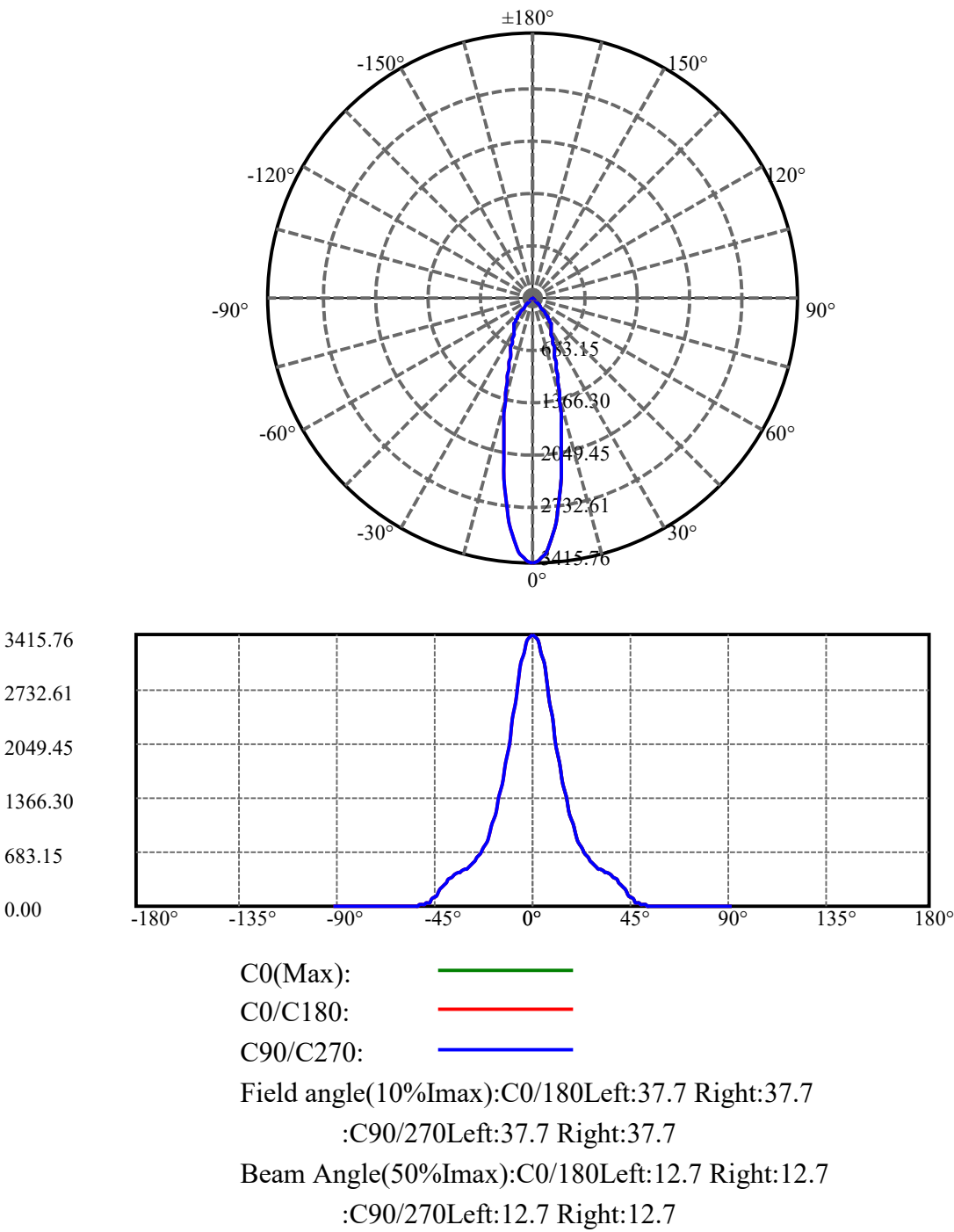
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	332.858	23.092	1134.962	1.75%	88.77%
39.0	303.137	21.708	1156.67	1.64%	90.46%
40.0	272.037	20.060	1176.73	1.52%	92.03%
41.0	235.954	18.089	1194.819	1.37%	93.45%
42.0	204.068	15.987	1210.806	1.21%	94.70%
43.0	169.298	13.831	1224.637	1.05%	95.78%
44.0	134.937	11.483	1236.119	0.87%	96.68%
45.0	103.256	9.154	1245.273	0.69%	97.39%
46.0	75.031	6.972	1252.246	0.53%	97.94%
47.0	50.659	4.999	1257.245	0.38%	98.33%
48.0	33.123	3.387	1260.632	0.26%	98.59%
49.0	20.808	2.215	1262.846	0.17%	98.77%
50.0	14.134	1.457	1264.303	0.11%	98.88%
51.0	10.980	1.063	1265.366	0.08%	98.96%
52.0	9.559	0.881	1266.247	0.07%	99.03%
53.0	8.601	0.790	1267.037	0.06%	99.10%
54.0	7.697	0.718	1267.755	0.05%	99.15%
55.0	6.523	0.635	1268.39	0.05%	99.20%
56.0	5.350	0.537	1268.927	0.04%	99.24%
57.0	4.586	0.454	1269.381	0.03%	99.28%
58.0	3.886	0.392	1269.773	0.03%	99.31%
59.0	3.316	0.337	1270.109	0.03%	99.34%
60.0	3.122	0.304	1270.414	0.02%	99.36%
61.0	3.014	0.293	1270.706	0.02%	99.38%
62.0	2.928	0.286	1270.993	0.02%	99.40%
63.0	2.842	0.281	1271.273	0.02%	99.43%
64.0	2.810	0.277	1271.551	0.02%	99.45%
65.0	2.756	0.275	1271.826	0.02%	99.47%
66.0	2.723	0.273	1272.1	0.02%	99.49%
67.0	2.680	0.272	1272.371	0.02%	99.51%
68.0	2.637	0.269	1272.641	0.02%	99.53%
69.0	2.637	0.269	1272.91	0.02%	99.55%
70.0	2.637	0.271	1273.181	0.02%	99.58%
71.0	2.605	0.271	1273.452	0.02%	99.60%
72.0	2.584	0.270	1273.721	0.02%	99.62%
73.0	2.594	0.271	1273.992	0.02%	99.64%
74.0	2.562	0.271	1274.263	0.02%	99.66%
75.0	2.562	0.271	1274.534	0.02%	99.68%

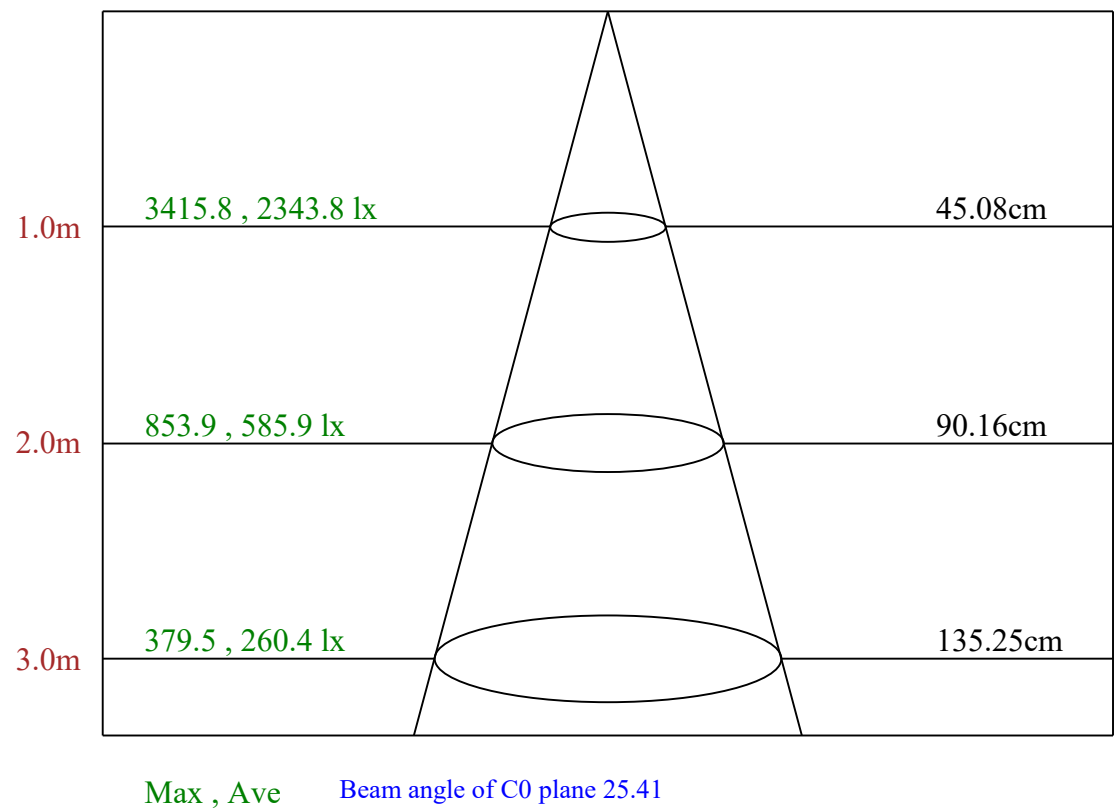
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	2.573	0.273	1274.807	0.02%	99.70%
77.0	2.540	0.273	1275.079	0.02%	99.72%
78.0	2.540	0.272	1275.351	0.02%	99.75%
79.0	2.540	0.273	1275.624	0.02%	99.77%
80.0	2.508	0.272	1275.896	0.02%	99.79%
81.0	2.508	0.271	1276.168	0.02%	99.81%
82.0	2.497	0.271	1276.439	0.02%	99.83%
83.0	2.497	0.272	1276.711	0.02%	99.85%
84.0	2.487	0.272	1276.982	0.02%	99.87%
85.0	2.487	0.271	1277.254	0.02%	99.89%
86.0	2.487	0.272	1277.525	0.02%	99.92%
87.0	2.465	0.271	1277.796	0.02%	99.94%
88.0	2.454	0.269	1278.066	0.02%	99.96%
89.0	2.444	0.268	1278.334	0.02%	99.98%
90.0	2.476	0.270	1278.604	0.02%	100.00%

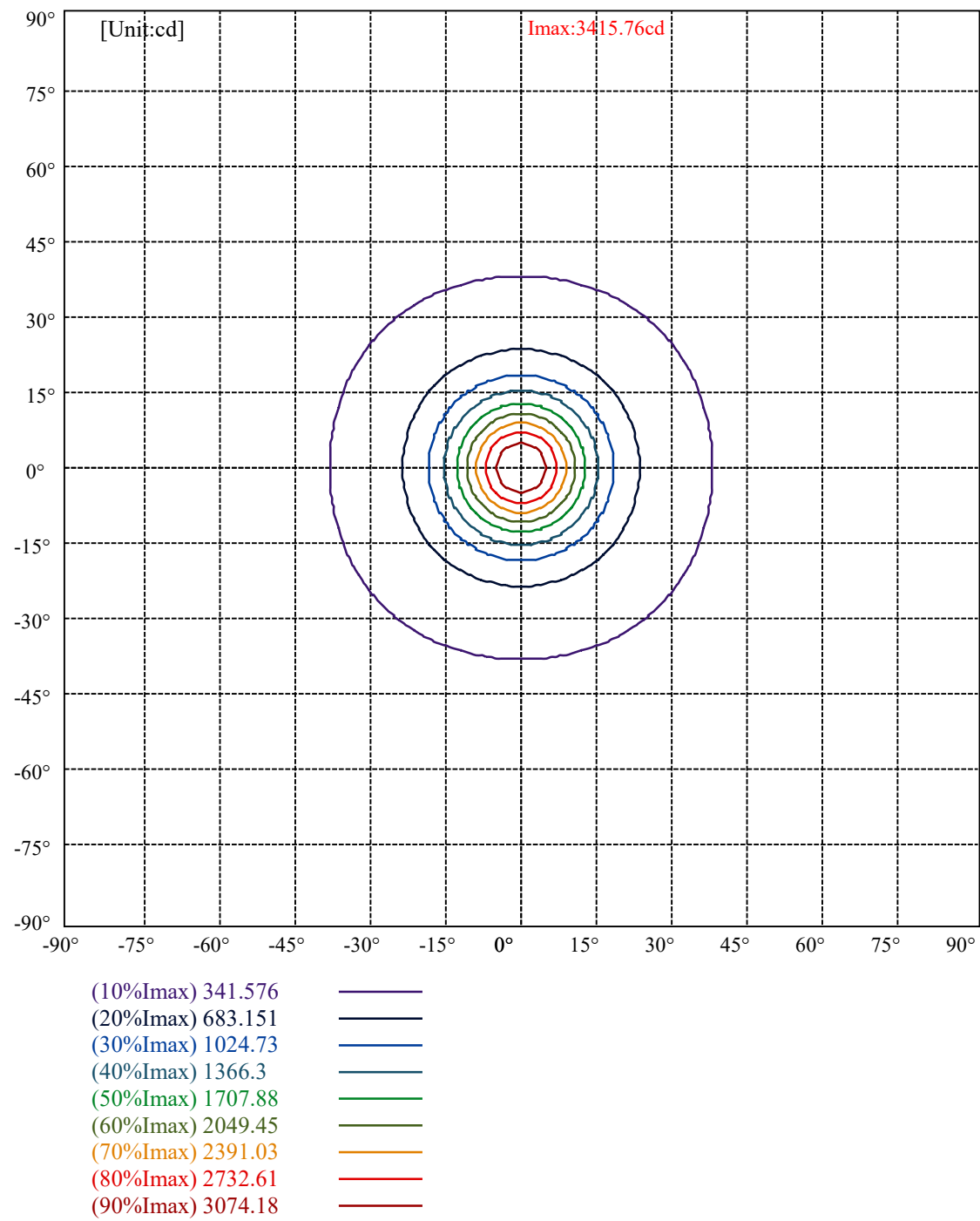
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	934.05	70.71%	73.05%
0-40	1176.73	89.08%	92.03%
0-60	1270.41	96.17%	99.36%
0-90	1278.33	96.77%	99.98%
0-120	1278.33	96.77%	99.98%
0-180	1278.60	96.79%	100.00%
60-90	7.92	0.60%	0.62%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-33.44	1022.88	77.43%	80.00%

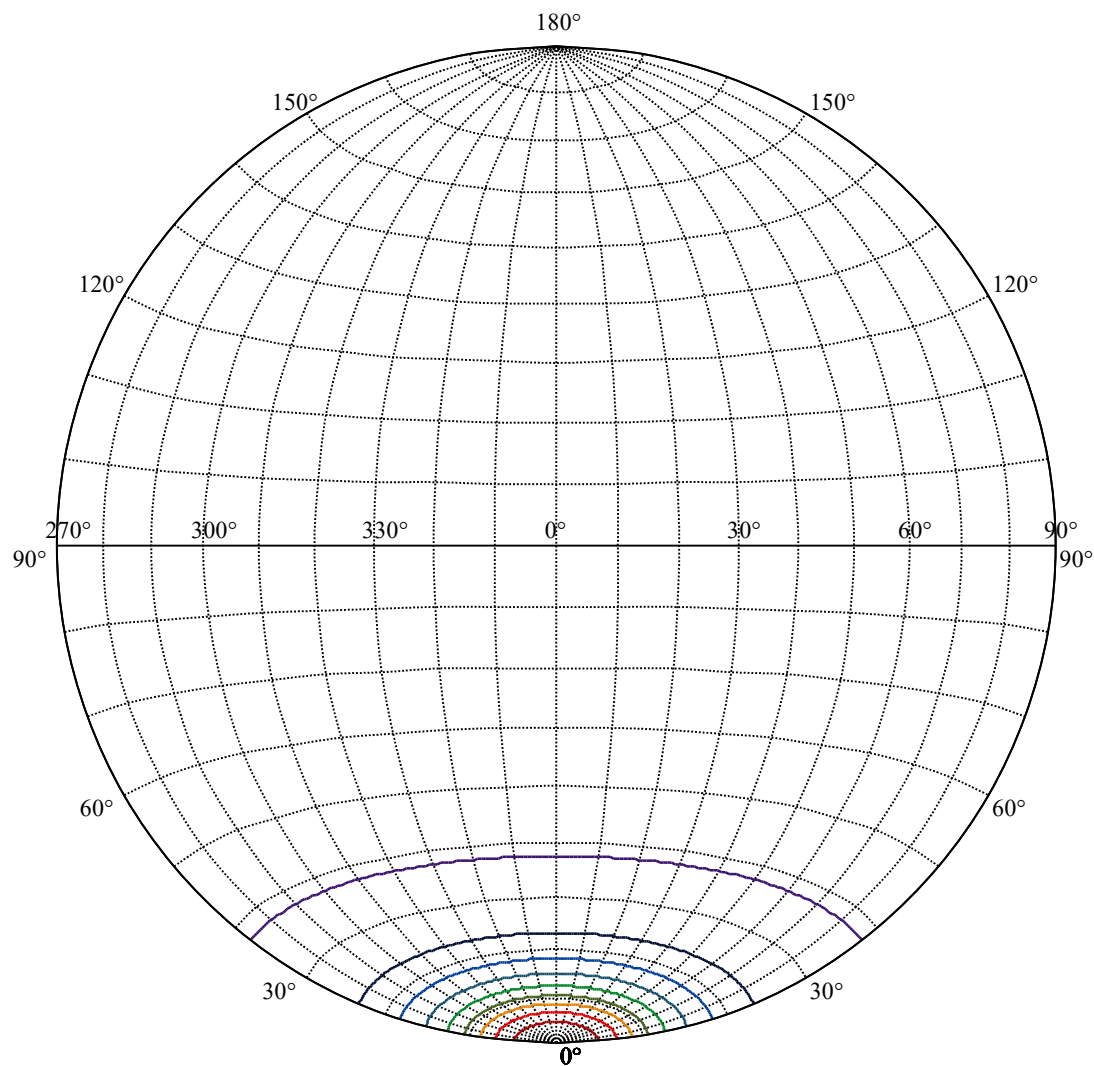
ZONAL LUMEN SUMMARY

0-10	262.30
10-20	384.86
20-30	286.90
30-40	242.68
40-50	87.57
50-60	6.11
60-70	2.77
70-80	2.72
80-90	2.44
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







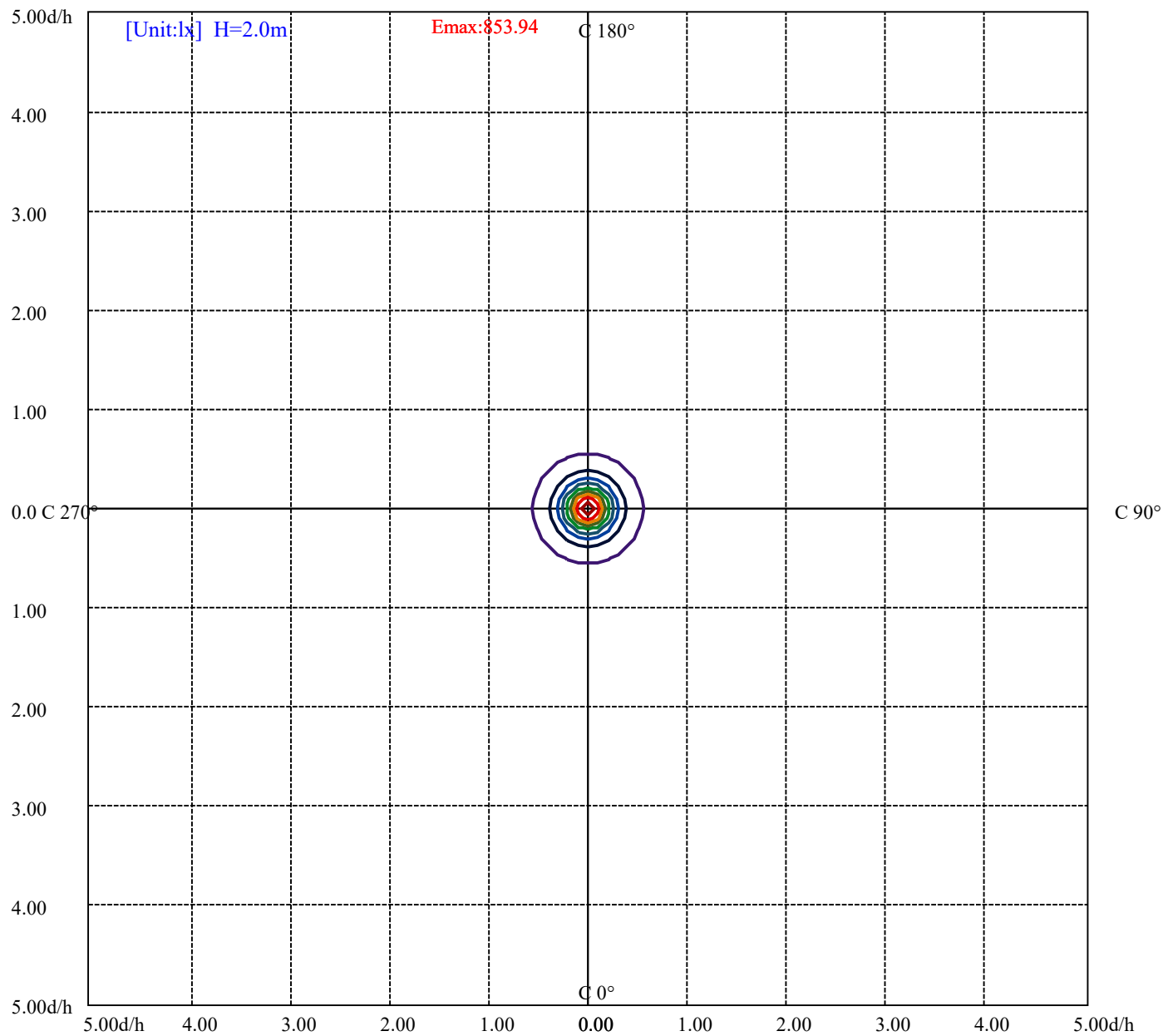


House

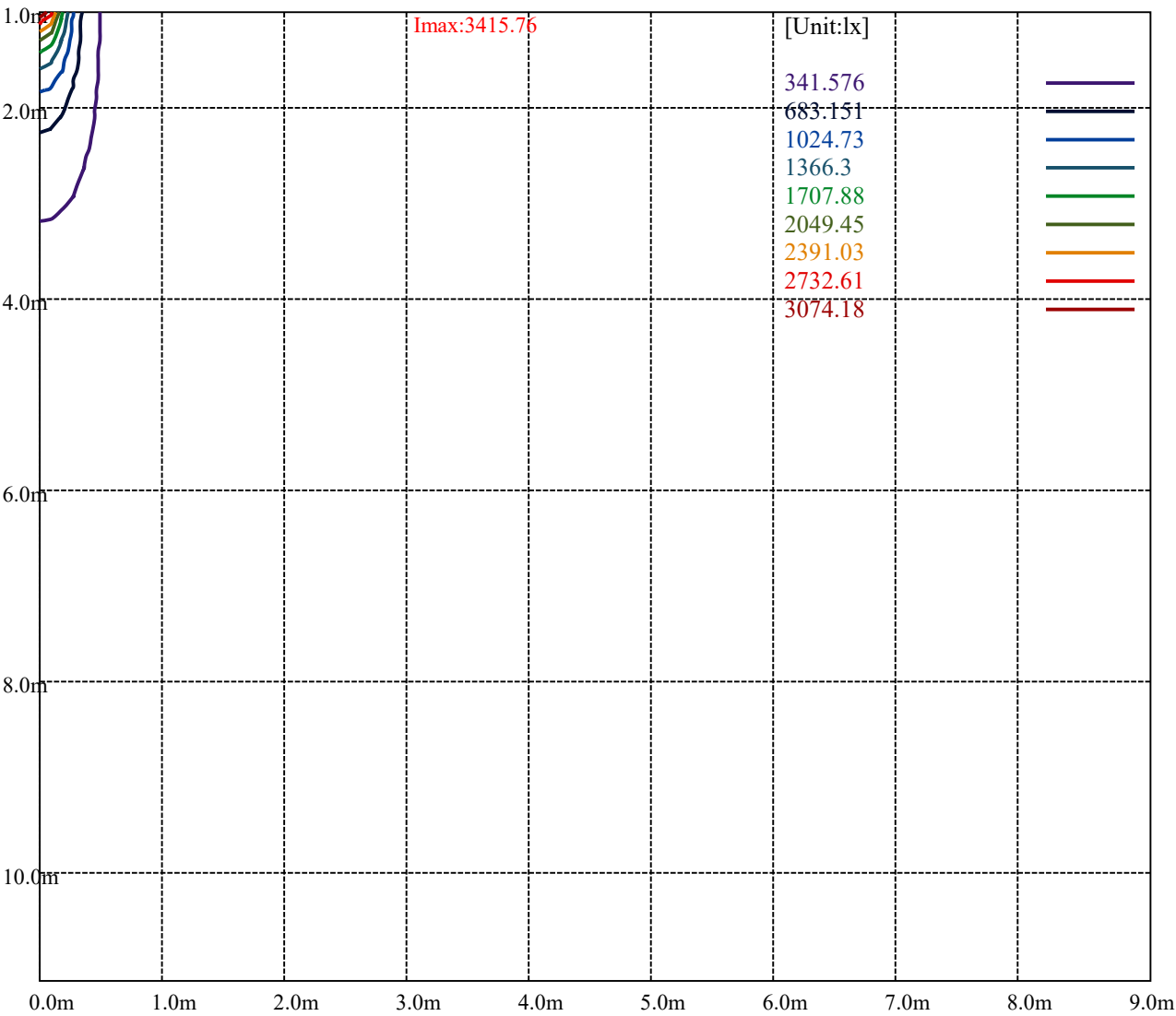
[Unit:cd]

Road

Imax:3415.76	
(10%Imax) 341.576	_____
(20%Imax) 683.151	_____
(30%Imax) 1024.73	_____
(40%Imax) 1366.3	_____
(50%Imax) 1707.88	_____
(60%Imax) 2049.45	_____
(70%Imax) 2391.03	_____
(80%Imax) 2732.61	_____
(90%Imax) 3074.18	_____



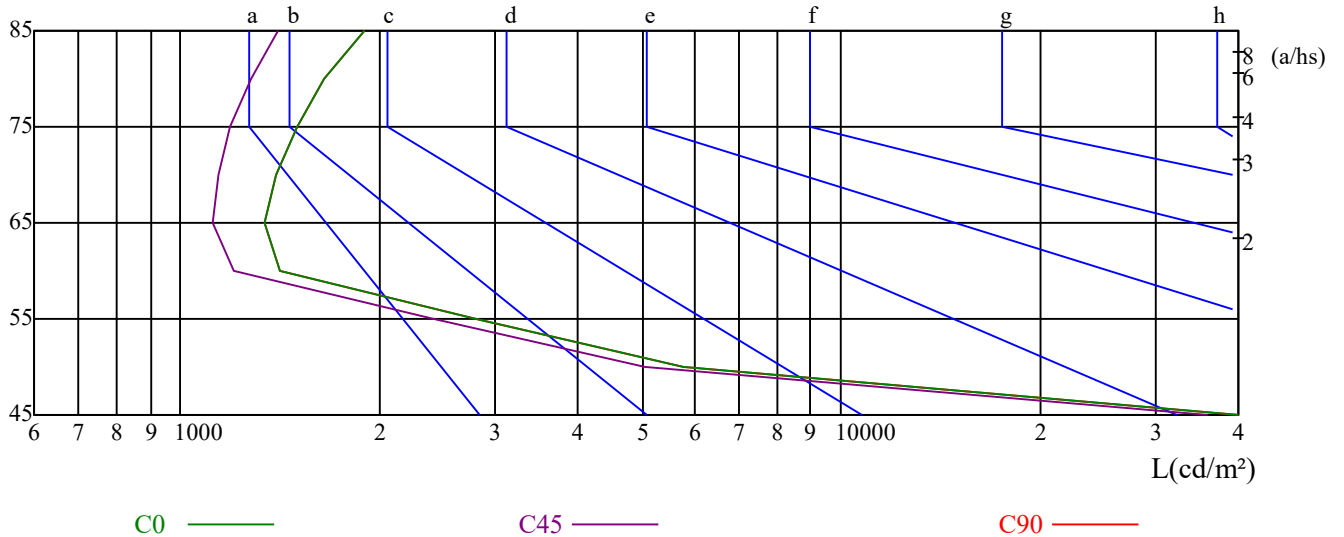
(10%Emax)	85.394	
(20%Emax)	170.7878	
(30%Emax)	256.1825	
(40%Emax)	341.575	
(50%Emax)	426.97	
(60%Emax)	512.3625	
(70%Emax)	597.7575	
(80%Emax)	683.15	
(90%Emax)	768.545	



γ	45	50	55	60	65	70	75	80	85
C0	40563	5770	2794	1417	1342	1396	1499	1653	1893
C45	36006	5050	2409	1202	1117	1138	1192	1276	1407
C90	40563	5770	2794	1417	1342	1396	1499	1653	1893

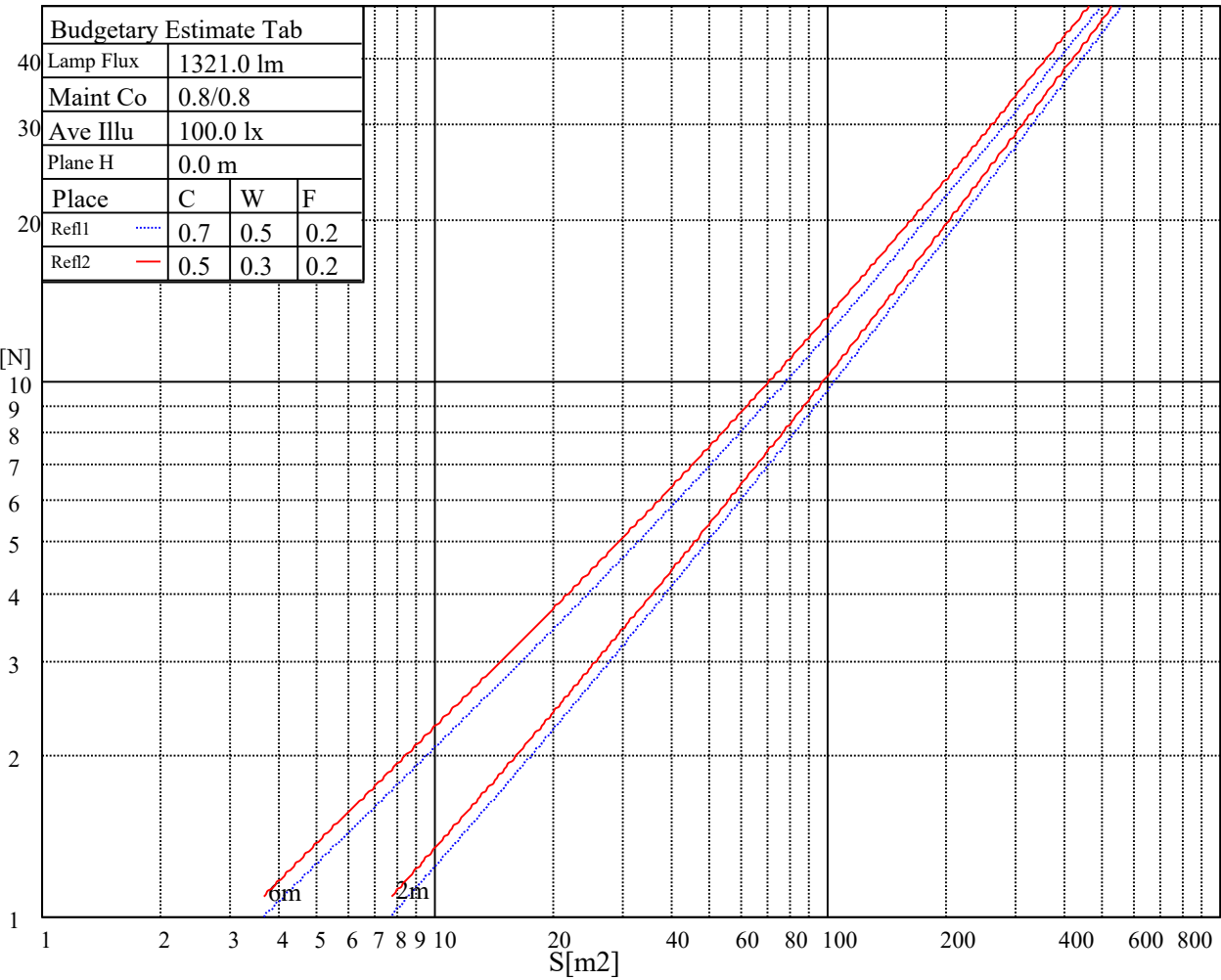
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2608	2608	2608	3960	3960	3960	11413	11413	11413

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

 $\gamma(^{\circ})$ 

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	21.21	22.19	21.57	22.50	22.82	21.10	22.09	21.47	22.40	22.72
	3H	21.01	21.88	21.39	22.22	22.56	20.90	21.78	21.29	22.11	22.46
	4H	20.91	21.72	21.31	22.07	22.44	20.81	21.61	21.21	21.97	22.33
	6H	20.83	21.57	21.25	21.94	22.34	20.73	21.46	21.14	21.84	22.24
	8H	20.76	21.46	21.18	21.85	22.26	20.66	21.36	21.08	21.75	22.15
	12H	20.70	21.36	21.12	21.76	22.18	20.60	21.26	21.02	21.66	22.07
4H	2H	20.90	21.71	21.30	22.06	22.43	20.80	21.60	21.20	21.96	22.32
	3H	20.66	21.33	21.09	21.73	22.15	20.56	21.23	20.99	21.63	22.04
	4H	20.60	21.17	21.03	21.60	22.05	20.49	21.07	20.93	21.50	21.94
	6H	20.47	20.98	20.94	21.43	21.89	20.37	20.88	20.84	21.33	21.78
	8H	20.42	20.89	20.91	21.35	21.83	20.32	20.79	20.81	21.25	21.73
	12H	20.39	20.82	20.88	21.28	21.80	20.29	20.72	20.78	21.17	21.69
8H	4H	20.39	20.87	20.88	21.33	21.80	20.29	20.77	20.78	21.22	21.70
	6H	20.26	20.65	20.77	21.13	21.64	20.16	20.55	20.67	21.03	21.54
	8H	20.26	20.59	20.80	21.11	21.61	20.16	20.49	20.70	21.01	21.51
	12H	20.24	20.49	20.78	21.01	21.53	20.14	20.39	20.68	20.91	21.43
12H	4H	20.34	20.78	20.83	21.23	21.75	20.24	20.68	20.73	21.13	21.65
	6H	20.25	20.57	20.78	21.10	21.59	20.15	20.47	20.68	20.99	21.49
	8H	20.21	20.47	20.76	20.99	21.51	20.11	20.37	20.66	20.88	21.41
Variation with the observer position at spacings:											
S = 1.0H		3.6/-14.8					3.6/-14.8				
S = 1.5H		6.1/-13.9					6.1/-13.9				
S = 2.0H		8.0/-12.7					8.0/-12.7				
Standard tables:		BK0					BK0				
Uncorrected UGR		1.3					1.3				

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



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	1.15	1.15	1.15	1.13	1.13	1.13	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.97
1	1.08	1.05	1.03	1.06	1.04	1.02	1.02	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.91
2	1.01	0.97	0.94	0.99	0.96	0.93	0.96	0.93	0.91	0.93	0.91	0.89	0.91	0.89	0.87	0.86
3	0.95	0.90	0.87	0.93	0.89	0.86	0.91	0.87	0.85	0.89	0.86	0.83	0.86	0.84	0.82	0.81
4	0.89	0.84	0.80	0.88	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.80	0.77	0.76
5	0.84	0.79	0.75	0.83	0.78	0.75	0.82	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.72
6	0.80	0.74	0.71	0.79	0.74	0.70	0.78	0.73	0.70	0.76	0.72	0.69	0.75	0.72	0.69	0.68
7	0.76	0.70	0.67	0.75	0.70	0.66	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.64
8	0.72	0.67	0.63	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.69	0.65	0.62	0.61
9	0.69	0.63	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.66	0.62	0.59	0.58
10	0.66	0.60	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.56	0.55

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	3433.63	3444.82	3425.01	3380.23	3292.39	3195.94	3078.82	2911.75	2761.04
45.0	3393.15	3431.04	3445.68	3426.74	3382.82	3311.34	3192.50	3073.65	2898.83
90.0	3437.93	3443.10	3418.13	3347.51	3260.53	3147.71	2976.34	2819.60	2646.50
135.0	3398.32	3437.07	3449.13	3422.43	3370.76	3290.67	3184.74	3022.84	2872.13
180.0	3433.63	3397.46	3337.17	3256.22	3127.91	3003.90	2861.80	2707.65	2508.72
225.0	3393.15	3331.15	3222.64	3111.54	2982.37	2835.97	2637.03	2468.24	2296.00
270.0	3437.93	3392.29	3325.12	3205.41	3082.26	2939.31	2776.54	2555.22	2372.65
315.0	3398.32	3333.73	3216.61	3097.76	2956.53	2752.43	2575.03	2344.23	2158.21
360.0	3433.63	3444.82	3425.01	3380.23	3292.39	3195.94	3078.82	2911.75	2761.04
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2601.72	2393.32	2225.39	2058.32	1702.73	1702.73	1563.57	1433.96	1314.34
45.0	2744.68	2583.64	2415.71	2202.13	2033.34	1871.44	1717.29	1539.02	1405.54
90.0	2465.66	2232.28	1912.78	1693.00	1693.00	1500.10	1361.88	1237.78	1099.82
135.0	2707.65	2489.77	2308.92	2082.43	1905.03	1738.82	1582.08	1402.09	1272.92
180.0	2343.37	2134.96	1973.92	1780.15	1638.92	1506.30	1384.87	1272.92	1144.60
225.0	2085.87	1694.12	1694.12	1589.14	1458.76	1338.97	1202.99	1104.90	1016.20
270.0	2185.77	2002.34	1782.74	1620.83	1472.71	1306.50	1189.38	1085.18	970.64
315.0	1682.24	1682.24	1604.82	1460.05	1328.29	1182.49	1078.98	986.23	904.59
360.0	2601.72	2393.32	2225.39	2058.32	1702.73	1702.73	1563.57	1433.96	1314.34
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1181.80	1086.81	1001.13	906.57	840.17	780.66	715.64	670.43	622.12
45.0	1285.83	1179.05	1061.06	977.53	885.38	821.66	764.82	702.81	659.75
90.0	1006.29	923.45	834.32	773.52	720.47	663.54	624.44	590.77	561.49
135.0	1158.38	1057.62	949.11	875.05	810.46	752.76	691.62	650.28	604.64
180.0	1052.45	974.09	900.88	820.79	763.96	714.01	658.89	621.00	587.41
225.0	937.14	850.42	790.65	737.43	680.16	639.95	604.47	573.55	539.79
270.0	891.41	825.96	753.62	701.95	658.89	621.00	580.52	552.11	527.13
315.0	816.92	757.15	705.31	660.70	613.34	580.27	544.87	520.59	499.23
360.0	1181.80	1086.81	1001.13	906.57	840.17	780.66	715.64	670.43	622.12
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	588.71	558.82	532.99	505.52	485.71	468.05	452.29	437.74	420.86
45.0	621.00	579.66	550.38	527.13	505.60	481.49	465.13	449.62	435.85
90.0	529.97	507.84	488.64	472.01	453.41	440.15	428.18	414.40	404.24
135.0	573.63	545.22	515.94	496.13	478.90	462.54	446.18	436.71	436.71
180.0	550.38	526.27	496.99	478.04	460.82	446.18	434.12	434.12	397.87
225.0	515.94	494.06	470.03	453.07	434.04	420.26	408.29	394.85	370.05
270.0	504.74	481.49	464.26	448.76	434.98	434.98	405.27	393.47	381.42
315.0	475.37	458.67	443.68	430.42	415.26	404.07	393.91	380.73	356.96
360.0	588.71	558.82	532.99	505.52	485.71	468.05	452.29	437.74	420.86
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	406.48	388.31	358.34	329.83	291.94	260.08	227.27	185.15	152.09
45.0	435.85	403.03	383.83	351.10	324.67	287.38	255.17	224.51	190.58
90.0	389.69	372.98	350.33	323.81	287.12	256.98	225.03	193.77	154.58
135.0	409.15	396.40	381.16	359.29	335.52	300.73	269.21	227.52	194.11
180.0	378.92	350.59	322.17	292.80	262.14	221.24	186.45	154.07	113.33
225.0	344.56	318.21	289.01	250.00	219.34	186.02	155.36	117.55	88.53
270.0	363.94	333.28	305.38	277.13	247.16	207.20	178.01	146.40	116.09
315.0	334.23	308.82	272.65	241.13	208.41	168.02	136.07	105.41	70.19
360.0	406.48	388.31	358.34	329.83	291.94	260.08	227.27	185.15	152.09

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	119.88	90.42	56.75	35.65	21.70	13.52	11.02	9.90	8.87
45.0	150.71	120.48	90.25	64.16	36.77	21.79	13.52	11.11	9.65
90.0	123.06	93.96	59.94	37.98	22.48	12.23	10.42	9.13	8.27
135.0	160.01	120.05	89.39	62.78	37.03	22.56	14.12	11.11	9.82
180.0	85.08	53.05	33.41	21.19	14.04	12.06	10.85	9.99	9.21
225.0	57.96	36.94	22.65	13.87	12.49	11.20	10.25	9.21	8.44
270.0	81.30	55.80	35.05	18.77	12.31	11.02	9.73	8.96	8.18
315.0	48.05	29.54	17.83	10.59	9.65	8.70	7.92	7.06	6.37
360.0	119.88	90.42	56.75	35.65	21.70	13.52	11.02	9.90	8.87
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	7.84	7.15	6.37	5.25	3.70	3.53	3.27	3.10	3.01
45.0	8.61	7.58	6.80	6.11	4.99	3.70	3.53	3.36	3.19
90.0	7.58	6.98	6.11	5.08	3.53	3.36	3.19	3.10	2.93
135.0	9.04	8.27	7.58	6.80	5.94	3.62	3.27	3.19	3.10
180.0	8.27	7.41	5.17	3.62	3.44	3.27	3.01	2.93	2.84
225.0	7.23	4.65	3.44	3.36	3.19	3.01	2.93	2.76	2.76
270.0	7.41	6.46	4.05	3.27	3.19	3.10	2.93	2.84	2.84
315.0	5.60	3.70	3.27	3.19	3.10	2.93	2.84	2.84	2.76
360.0	7.84	7.15	6.37	5.25	3.70	3.53	3.27	3.10	3.01
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	2.93	2.84	2.76	2.76	2.67	2.67	2.67	2.67	2.58
45.0	2.93	2.93	2.84	2.76	2.76	2.67	2.67	2.67	2.58
90.0	2.84	2.84	2.76	2.76	2.67	2.67	2.67	2.67	2.67
135.0	2.93	2.84	2.84	2.76	2.76	2.67	2.67	2.67	2.67
180.0	2.84	2.84	2.76	2.76	2.67	2.58	2.58	2.58	2.58
225.0	2.76	2.76	2.67	2.67	2.58	2.67	2.67	2.58	2.58
270.0	2.76	2.76	2.76	2.67	2.67	2.58	2.58	2.67	2.58
315.0	2.76	2.67	2.67	2.67	2.67	2.58	2.58	2.58	2.58
360.0	2.93	2.84	2.76	2.76	2.67	2.67	2.67	2.67	2.58
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	2.58	2.58	2.58	2.58	2.58	2.50	2.58	2.58	2.50
45.0	2.58	2.67	2.58	2.58	2.58	2.50	2.58	2.50	2.50
90.0	2.58	2.58	2.58	2.58	2.58	2.58	2.50	2.58	2.50
135.0	2.58	2.58	2.58	2.58	2.58	2.58	2.50	2.58	2.58
180.0	2.58	2.58	2.58	2.50	2.50	2.50	2.58	2.50	2.50
225.0	2.58	2.58	2.50	2.50	2.58	2.50	2.50	2.50	2.50
270.0	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.50
315.0	2.58	2.58	2.50	2.58	2.58	2.58	2.50	2.50	2.50
360.0	2.58	2.58	2.58	2.58	2.58	2.50	2.58	2.58	2.50
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.58	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.41
45.0	2.50	2.50	2.50	2.50	2.50	2.50	2.41	2.50	2.50
90.0	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.41
135.0	2.50	2.50	2.50	2.50	2.50	2.50	2.41	2.50	2.50
180.0	2.50	2.50	2.50	2.50	2.41	2.41	2.50	2.41	2.41
225.0	2.50	2.50	2.41	2.41	2.50	2.50	2.41	2.41	2.41
270.0	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.41	2.50
315.0	2.50	2.50	2.58	2.50	2.50	2.50	2.50	2.41	2.41
360.0	2.58	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.41

Intensity data(cd)

C/ $\gamma(^{\circ})$	90.0
0.0	2.50
45.0	2.50
90.0	2.50
135.0	2.50
180.0	2.41
225.0	2.50
270.0	2.50
315.0	2.41
360.0	2.50