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Nata

Client: NT

LumCAT: 1-1768-LM

Luminaire: 92.70.121.00

Report No: 20251209-B023

Ballast type: DC

Test No: 20251209-C023

Voltage(V): 34.540

LampCAT: LUMINUS CXM-11 (TC) LES Current(A): 0.451

Lamp flux(lm): 2191.0

Power (W): 15.570

Number of Lamps: 1

PF: 0.000

Length(mm): 50

Width(mm): 50

Phm Type: C

Height(mm): 22

Photometric Results

Lumens(lm): 2094.87, Efficiency(%): 95.61% , Luminous Efficacy(lm/W): 134.55

Central intensity(cd): 3716.526, Maximum intensity(cd): 3716.526

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=37.8

[C90/270]Total=37.8

Field angle(10%Imax): [C0/180]Total=82.2

[C90/270]Total=82.2

Maximum s/h(1/2): C0_180=0.62 C90_270=0.62

Maximum s/h(1/4): C0_180=0.65 C90_270=0.65

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 95.61%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.321%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3716.526	0.000	0	0.00%	0.00%
1.0	3711.897	3.554	3.554	0.16%	0.17%
2.0	3696.826	10.634	14.188	0.49%	0.68%
3.0	3672.175	17.624	31.812	0.80%	1.52%
4.0	3640.419	24.478	56.29	1.12%	2.69%
5.0	3597.575	31.137	87.427	1.42%	4.17%
6.0	3545.258	37.537	124.965	1.71%	5.97%
7.0	3479.269	43.601	168.566	1.99%	8.05%
8.0	3394.335	49.193	217.759	2.25%	10.39%
9.0	3299.928	54.253	272.012	2.48%	12.98%
10.0	3186.252	58.698	330.71	2.68%	15.79%
11.0	3071.607	62.529	393.239	2.85%	18.77%
12.0	2935.324	65.664	458.903	3.00%	21.91%
13.0	2788.923	67.932	526.835	3.10%	25.15%
14.0	2643.167	69.530	596.366	3.17%	28.47%
15.0	2495.905	70.551	666.917	3.22%	31.84%
16.0	2343.260	70.907	737.825	3.24%	35.22%
17.0	2195.675	70.683	808.508	3.23%	38.59%
18.0	2021.511	69.532	878.04	3.17%	41.91%
19.0	1834.408	67.085	945.125	3.06%	45.12%
20.0	1758.602	65.762	1010.887	3.00%	48.26%
21.0	1642.203	65.302	1076.19	2.98%	51.37%
22.0	1513.692	63.419	1139.609	2.89%	54.40%
23.0	1405.614	61.255	1200.864	2.80%	57.32%
24.0	1291.367	58.966	1259.829	2.69%	60.14%
25.0	1191.857	56.463	1316.292	2.58%	62.83%
26.0	1093.090	53.936	1370.229	2.46%	65.41%
27.0	1005.917	51.353	1421.581	2.34%	67.86%
28.0	932.081	49.066	1470.647	2.24%	70.20%
29.0	858.482	46.846	1517.494	2.14%	72.44%
30.0	801.795	44.827	1562.321	2.05%	74.58%
31.0	755.527	43.338	1605.659	1.98%	76.65%
32.0	721.155	42.305	1647.964	1.93%	78.67%
33.0	693.124	41.665	1689.629	1.90%	80.66%
34.0	668.569	41.209	1730.838	1.88%	82.62%
35.0	637.610	40.565	1771.403	1.85%	84.56%
36.0	599.685	39.396	1810.799	1.80%	86.44%
37.0	557.175	37.730	1848.529	1.72%	88.24%

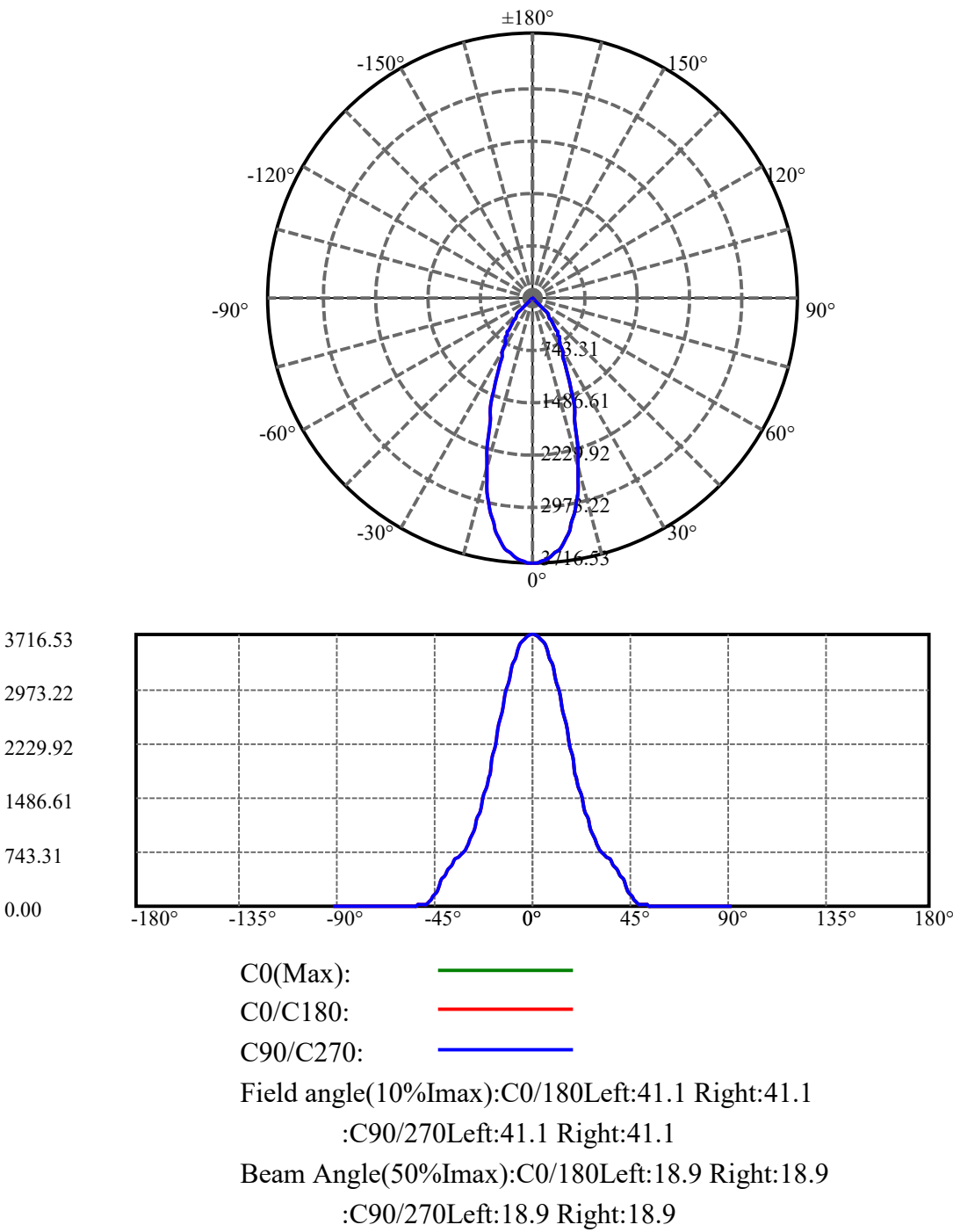
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	507.377	35.533	1884.062	1.62%	89.94%
39.0	457.472	32.933	1916.995	1.50%	91.51%
40.0	413.261	30.368	1947.363	1.39%	92.96%
41.0	377.123	28.145	1975.509	1.28%	94.30%
42.0	301.059	24.640	2000.148	1.12%	95.48%
43.0	241.218	20.088	2020.236	0.92%	96.44%
44.0	191.000	16.313	2036.549	0.74%	97.22%
45.0	143.409	12.852	2049.401	0.59%	97.83%
46.0	97.002	9.402	2058.802	0.43%	98.28%
47.0	61.198	6.292	2065.094	0.29%	98.58%
48.0	33.134	3.813	2068.908	0.17%	98.76%
49.0	18.246	2.110	2071.018	0.10%	98.86%
50.0	13.897	1.340	2072.358	0.06%	98.93%
51.0	12.778	1.129	2073.487	0.05%	98.98%
52.0	11.917	1.060	2074.546	0.05%	99.03%
53.0	11.066	1.000	2075.546	0.05%	99.08%
54.0	10.205	0.938	2076.484	0.04%	99.12%
55.0	9.387	0.875	2077.358	0.04%	99.16%
56.0	8.569	0.811	2078.169	0.04%	99.20%
57.0	7.331	0.727	2078.896	0.03%	99.24%
58.0	6.319	0.631	2079.528	0.03%	99.27%
59.0	5.910	0.572	2080.099	0.03%	99.30%
60.0	5.748	0.551	2080.65	0.03%	99.32%
61.0	5.587	0.541	2081.191	0.02%	99.35%
62.0	5.415	0.530	2081.721	0.02%	99.37%
63.0	5.253	0.519	2082.24	0.02%	99.40%
64.0	5.146	0.510	2082.75	0.02%	99.42%
65.0	5.081	0.506	2083.256	0.02%	99.45%
66.0	4.963	0.501	2083.758	0.02%	99.47%
67.0	4.898	0.496	2084.253	0.02%	99.49%
68.0	4.812	0.492	2084.745	0.02%	99.52%
69.0	4.747	0.488	2085.233	0.02%	99.54%
70.0	4.693	0.485	2085.718	0.02%	99.56%
71.0	4.607	0.481	2086.198	0.02%	99.59%
72.0	4.564	0.477	2086.675	0.02%	99.61%
73.0	4.500	0.474	2087.149	0.02%	99.63%
74.0	4.435	0.470	2087.619	0.02%	99.65%
75.0	4.403	0.467	2088.086	0.02%	99.68%

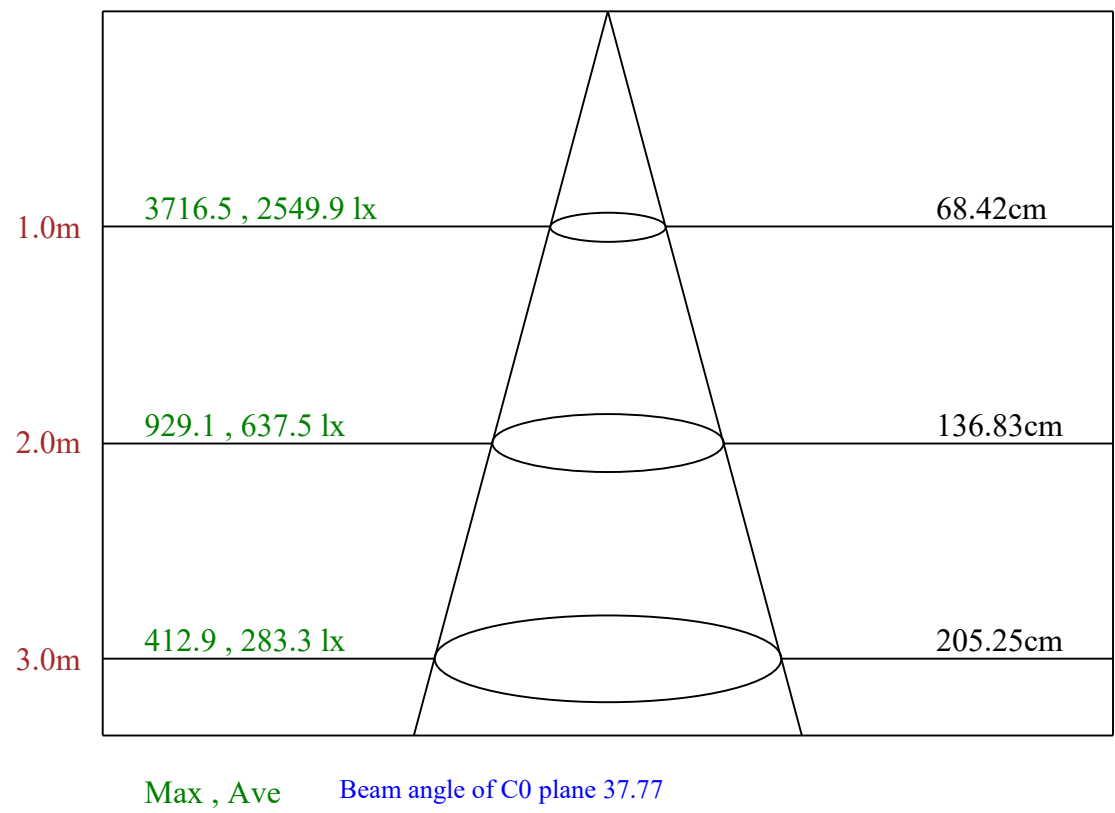
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.371	0.466	2088.552	0.02%	99.70%
77.0	4.327	0.464	2089.015	0.02%	99.72%
78.0	4.284	0.461	2089.476	0.02%	99.74%
79.0	4.241	0.458	2089.935	0.02%	99.76%
80.0	4.231	0.457	2090.391	0.02%	99.79%
81.0	4.209	0.456	2090.848	0.02%	99.81%
82.0	4.231	0.458	2091.305	0.02%	99.83%
83.0	4.177	0.457	2091.762	0.02%	99.85%
84.0	4.144	0.453	2092.216	0.02%	99.87%
85.0	4.080	0.449	2092.665	0.02%	99.89%
86.0	4.048	0.444	2093.109	0.02%	99.92%
87.0	4.037	0.442	2093.551	0.02%	99.94%
88.0	3.983	0.439	2093.991	0.02%	99.96%
89.0	4.005	0.438	2094.428	0.02%	99.98%
90.0	3.983	0.438	2094.866	0.02%	100.00%

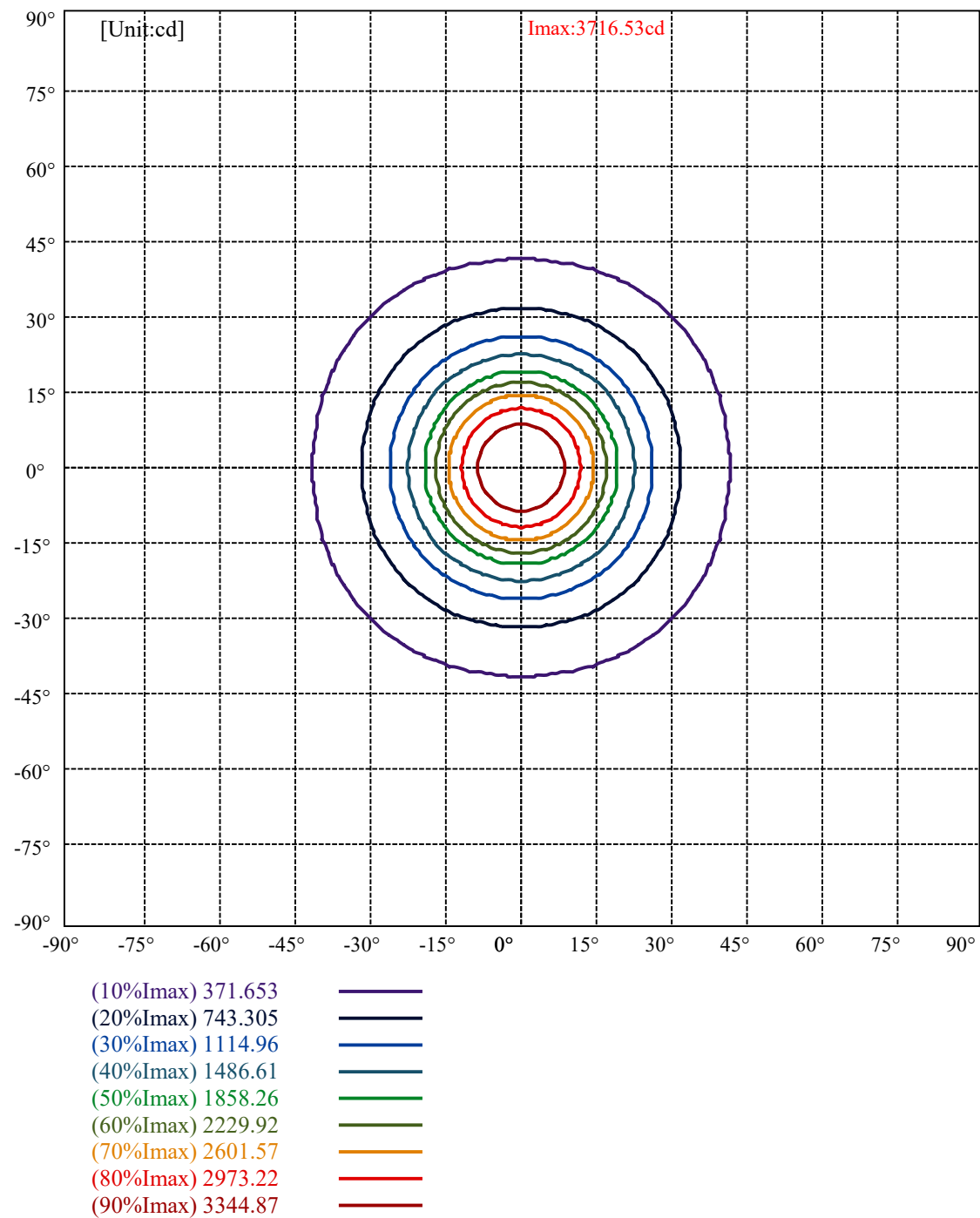
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	1562.32	71.31%	74.58%
0-40	1947.36	88.88%	92.96%
0-60	2080.65	94.96%	99.32%
0-90	2094.43	95.59%	99.98%
0-120	2094.43	95.59%	99.98%
0-180	2094.87	95.61%	100.00%
60-90	13.78	0.63%	0.66%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-32.67	1675.89	76.49%	80.00%

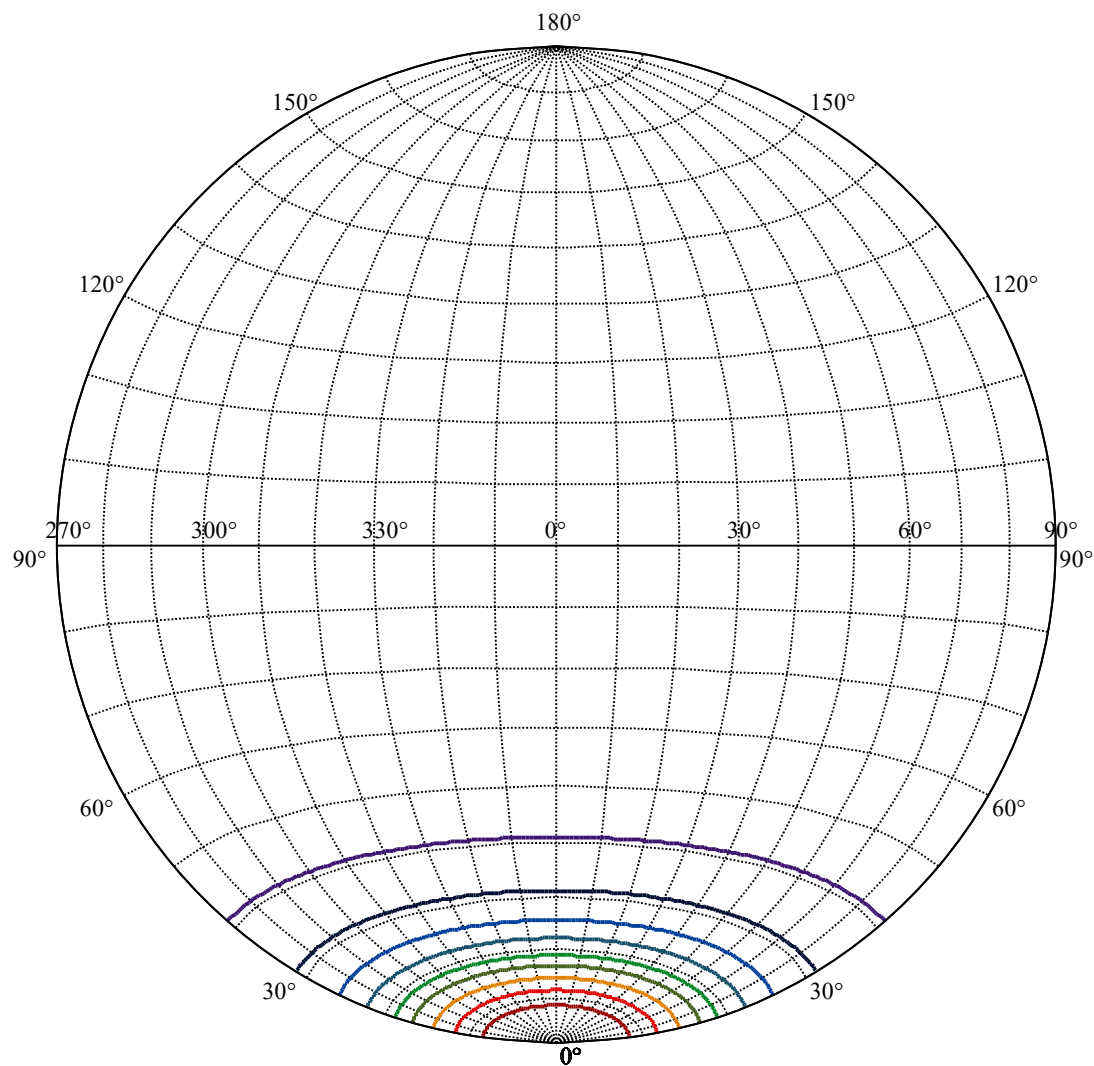
ZONAL LUMEN SUMMARY

0-10	330.71
10-20	680.18
20-30	551.43
30-40	385.04
40-50	124.99
50-60	8.29
60-70	5.07
70-80	4.67
80-90	4.04
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







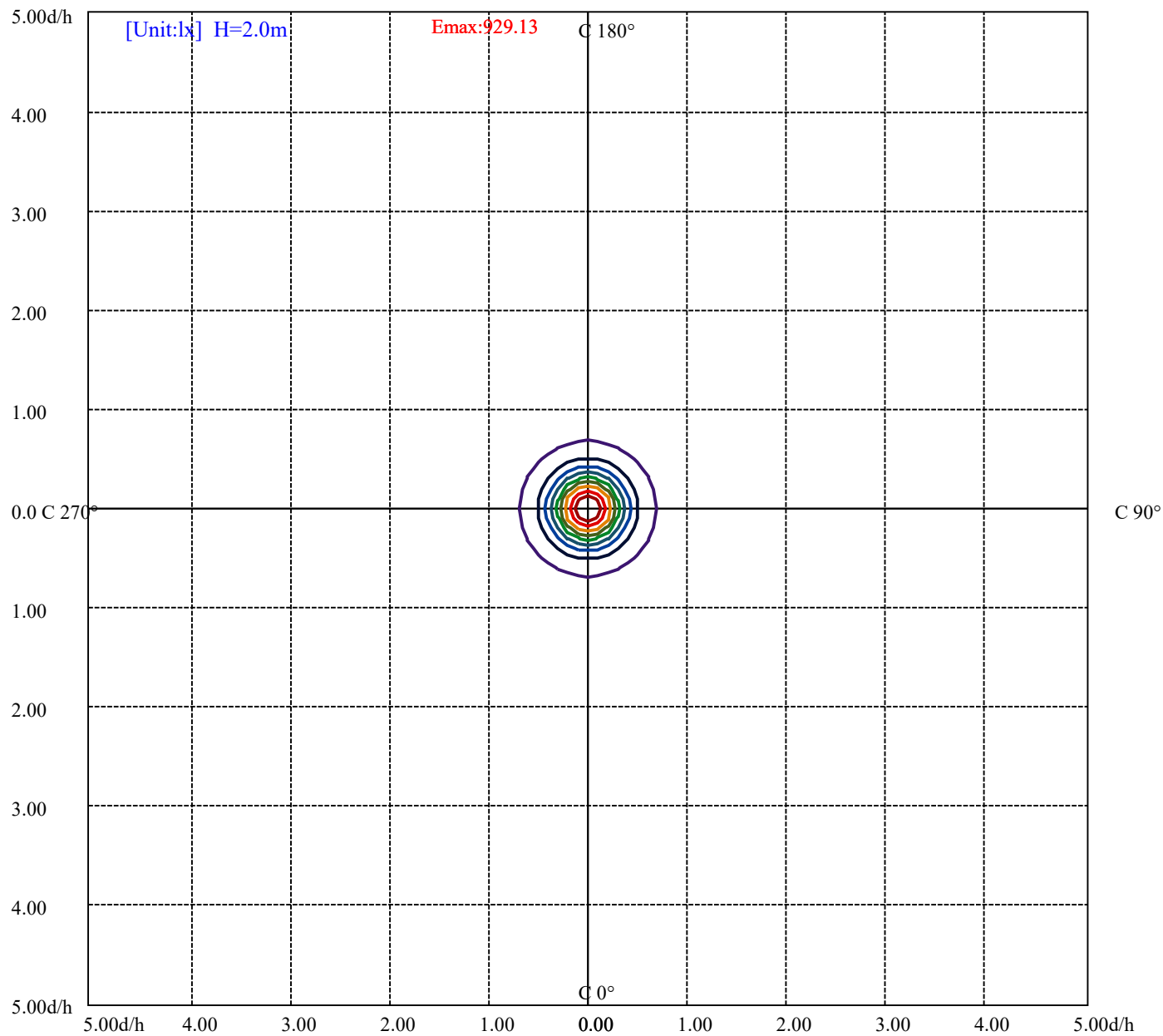


House

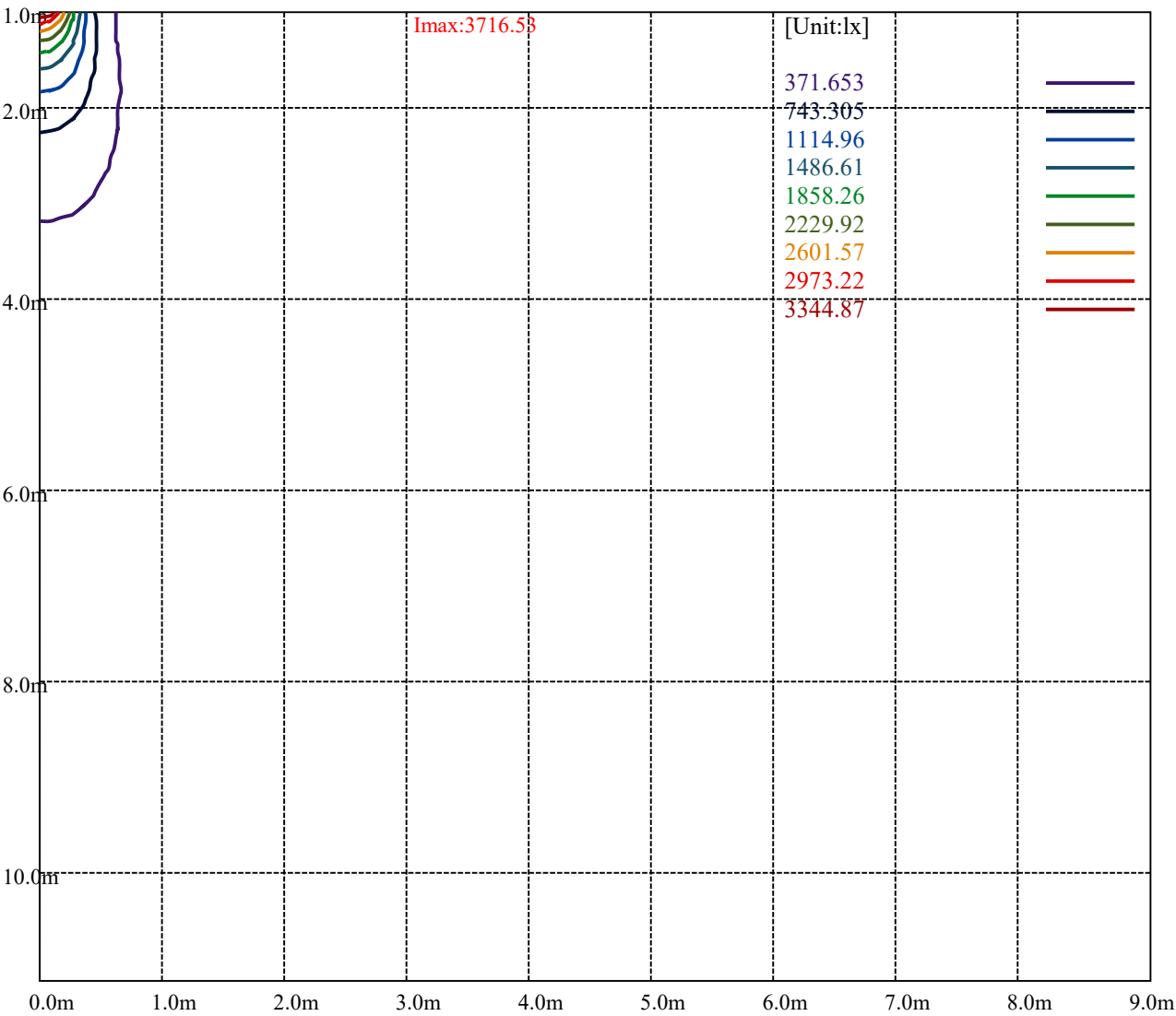
[Unit:cd]

Road

Imax:3716.53	
(10%Imax) 371.653	
(20%Imax) 743.305	
(30%Imax) 1114.96	
(40%Imax) 1486.61	
(50%Imax) 1858.26	
(60%Imax) 2229.92	
(70%Imax) 2601.57	
(80%Imax) 2973.22	
(90%Imax) 3344.87	



(10%Emax) 92.913	—
(20%Emax) 185.8262	—
(30%Emax) 278.74	—
(40%Emax) 371.6525	—
(50%Emax) 464.565	—
(60%Emax) 557.48	—
(70%Emax) 650.3925	—
(80%Emax) 743.305	—
(90%Emax) 836.2175	—



Luminance Table

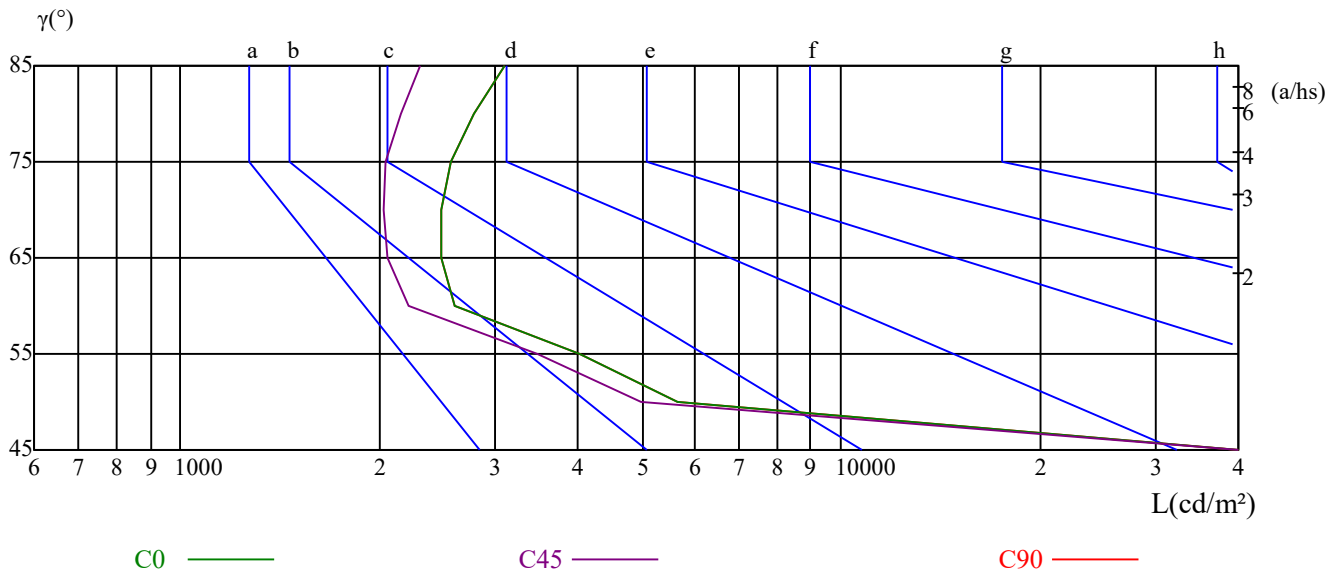
γ	45	50	55	60	65	70	75	80	85
C0	56336	5673	4020	2610	2474	2485	2575	2788	3106
C45	50007	4966	3466	2213	2060	2026	2048	2152	2308
C90	56336	5673	4020	2610	2474	2485	2575	2788	3106

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
4809	4809	4809	6804	6804	6804	18724	18724	18724

Glare Table

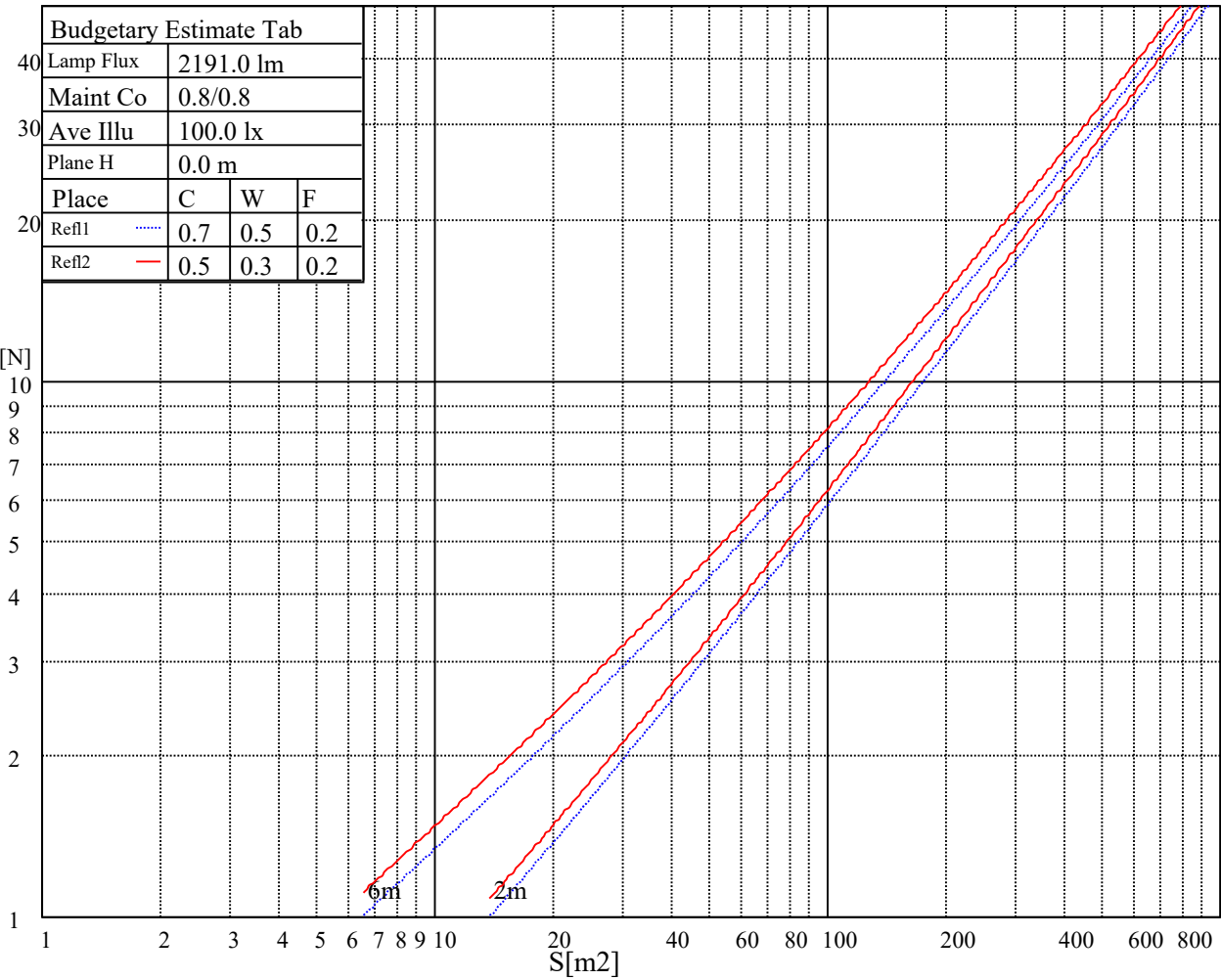
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting 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	22.06	23.03	22.42	23.34	23.66	21.89	22.87	22.25	23.18	23.49
	3H	21.86	22.72	22.25	23.06	23.41	21.69	22.56	22.08	22.89	23.24
	4H	21.76	22.56	22.17	22.92	23.28	21.60	22.39	22.00	22.75	23.12
	6H	21.69	22.42	22.11	22.79	23.19	21.52	22.25	21.94	22.63	23.03
	8H	21.62	22.32	22.04	22.70	23.11	21.45	22.15	21.88	22.54	22.94
	12H	21.56	22.22	21.99	22.62	23.03	21.40	22.05	21.82	22.45	22.87
4H	2H	21.75	22.55	22.15	22.90	23.27	21.58	22.38	21.98	22.73	23.10
	3H	21.52	22.18	21.94	22.58	22.99	21.35	22.01	21.78	22.41	22.83
	4H	21.45	22.02	21.89	22.45	22.90	21.29	21.86	21.72	22.28	22.73
	6H	21.33	21.84	21.81	22.29	22.74	21.17	21.67	21.64	22.12	22.58
	8H	21.29	21.76	21.78	22.22	22.69	21.12	21.59	21.61	22.05	22.52
	12H	21.26	21.69	21.75	22.14	22.66	21.09	21.53	21.59	21.98	22.50
8H	4H	21.25	21.72	21.74	22.18	22.66	21.09	21.56	21.57	22.01	22.49
	6H	21.13	21.51	21.64	21.99	22.50	20.96	21.35	21.47	21.83	22.34
	8H	21.14	21.46	21.67	21.99	22.48	20.98	21.30	21.51	21.82	22.32
	12H	21.12	21.37	21.67	21.89	22.41	20.96	21.21	21.50	21.73	22.25
12H	4H	21.20	21.63	21.69	22.09	22.61	21.04	21.47	21.53	21.92	22.44
	6H	21.12	21.44	21.65	21.96	22.46	20.95	21.27	21.49	21.80	22.29
	8H	21.09	21.34	21.64	21.86	22.38	20.93	21.18	21.47	21.70	22.22
Variation with the observer position at spacings:											
S = 1.0H		3.6/-14.5					3.6/-14.5				
S = 1.5H		6.3/-13.1					6.3/-13.1				
S = 2.0H		8.3/-12.0					8.3/-12.0				
Standard tables:		BK0					BK0				
Uncorrected UGR		2.6					2.6				

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	1.14	1.14	1.14	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	0.98	0.98	0.98	0.96
1	1.06	1.04	1.02	1.04	1.02	1.00	1.00	0.99	0.97	0.97	0.95	0.94	0.93	0.92	0.92	0.90
2	0.99	0.96	0.93	0.98	0.94	0.92	0.95	0.92	0.90	0.92	0.90	0.88	0.89	0.87	0.86	0.84
3	0.93	0.89	0.85	0.92	0.88	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.80	0.79
4	0.88	0.83	0.79	0.86	0.82	0.78	0.84	0.81	0.77	0.83	0.79	0.76	0.81	0.78	0.76	0.74
5	0.83	0.77	0.73	0.82	0.77	0.73	0.80	0.76	0.72	0.78	0.75	0.72	0.77	0.74	0.71	0.70
6	0.78	0.73	0.69	0.77	0.72	0.68	0.76	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.67	0.66
7	0.74	0.68	0.65	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.70	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	0.60	0.67	0.63	0.60	0.59
9	0.67	0.61	0.58	0.66	0.61	0.58	0.65	0.61	0.57	0.64	0.60	0.57	0.64	0.60	0.57	0.56
10	0.63	0.58	0.55	0.63	0.58	0.55	0.62	0.58	0.55	0.62	0.57	0.54	0.61	0.57	0.54	0.53

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	3720.40	3714.37	3698.87	3676.48	3638.59	3598.97	3549.03	3468.94	3392.29
45.0	3716.10	3719.54	3715.23	3694.57	3671.31	3640.31	3588.64	3536.97	3456.88
90.0	3715.23	3708.34	3686.81	3655.81	3619.64	3559.36	3505.10	3435.35	3352.68
135.0	3714.37	3715.23	3710.07	3683.37	3654.95	3622.23	3580.89	3513.72	3442.24
180.0	3720.40	3718.68	3703.18	3680.79	3646.34	3608.45	3558.50	3499.08	3400.90
225.0	3716.10	3702.32	3677.34	3648.92	3611.03	3564.53	3489.60	3413.82	3328.56
270.0	3715.23	3714.37	3701.45	3682.51	3658.40	3618.78	3575.72	3519.75	3435.35
315.0	3714.37	3702.32	3681.65	3654.95	3623.09	3567.97	3514.58	3446.54	3345.79
360.0	3720.40	3714.37	3698.87	3676.48	3638.59	3598.97	3549.03	3468.94	3392.29
C/ γ (°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3304.45	3178.72	3063.32	2939.31	2806.68	2635.31	2495.80	2355.42	2216.77
45.0	3380.23	3292.39	3192.50	3054.71	2928.11	2793.77	2655.98	2479.43	2336.48
90.0	3233.83	3124.46	3002.17	2871.27	2699.90	2561.25	2420.87	2280.50	2109.99
135.0	3356.98	3237.28	3128.77	3007.34	2843.72	2704.20	2565.55	2390.73	2251.22
180.0	3310.48	3183.88	3063.32	2933.28	2761.04	2620.67	2479.43	2308.92	2171.13
225.0	3206.27	3091.74	2966.86	2800.66	2662.87	2491.49	2351.12	2210.75	2071.23
270.0	3356.12	3263.11	3157.19	3006.48	2872.13	2736.93	2566.41	2427.76	2253.80
315.0	3251.06	3118.43	2998.73	2869.55	2736.93	2601.72	2432.07	2292.56	2154.77
360.0	3304.45	3178.72	3063.32	2939.31	2806.68	2635.31	2495.80	2355.42	2216.77
C/ γ (°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2047.98	1698.69	1698.69	1639.26	1525.85	1415.36	1290.14	1197.82	1086.47
45.0	2196.11	2024.73	1893.83	1767.24	1619.97	1508.02	1400.37	1278.08	1184.21
90.0	1979.09	1696.79	1696.79	1580.53	1444.81	1342.67	1246.48	1156.14	1050.64
135.0	2116.02	1983.39	1824.94	1705.23	1588.11	1477.88	1345.26	1250.53	1137.71
180.0	2036.79	1905.03	1781.88	1632.03	1520.08	1409.84	1283.25	1190.24	1104.12
225.0	1696.70	1696.70	1634.53	1518.70	1381.86	1280.24	1186.19	1099.22	997.68
270.0	2114.29	1978.23	1846.46	1693.17	1570.89	1458.07	1349.56	1223.83	1130.82
315.0	1985.12	1691.71	1691.71	1601.46	1457.98	1352.83	1229.68	1139.00	1053.06
360.0	2047.98	1698.69	1698.69	1639.26	1525.85	1415.36	1290.14	1197.82	1086.47
C/ γ (°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1003.11	928.70	866.35	798.15	755.86	723.39	696.87	674.22	642.70
45.0	1095.51	1011.98	923.28	862.13	809.60	757.07	726.93	701.95	679.56
90.0	972.54	903.64	845.85	786.26	748.80	719.26	694.72	664.58	630.21
135.0	1052.45	976.67	894.86	840.60	793.24	755.34	717.45	694.20	665.78
180.0	1003.37	931.03	853.52	798.40	755.34	721.76	688.17	665.78	635.64
225.0	923.62	858.17	789.79	747.42	706.69	681.97	660.87	634.35	591.98
270.0	1043.84	964.61	875.05	813.04	753.62	717.45	690.76	665.78	644.25
315.0	952.90	881.85	819.16	768.35	721.07	692.99	669.23	647.70	610.75
360.0	1003.11	928.70	866.35	798.15	755.86	723.39	696.87	674.22	642.70
C/ γ (°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	607.31	566.57	510.17	460.99	400.19	350.59	301.41	240.53	193.51
45.0	641.67	606.36	552.11	504.74	456.51	444.46	379.87	285.83	235.02
90.0	579.06	534.02	486.31	423.70	374.10	324.58	263.01	215.30	169.22
135.0	628.75	579.66	531.44	486.66	446.18	446.18	315.45	253.02	203.58
180.0	597.75	543.49	500.43	454.79	443.60	382.88	292.72	244.49	184.72
225.0	553.48	513.01	468.31	409.58	359.29	308.56	259.30	197.73	153.03
270.0	613.25	577.08	526.27	482.35	434.98	434.98	319.33	269.46	220.38
315.0	576.22	537.21	483.99	436.96	391.24	324.75	277.39	223.39	168.53
360.0	607.31	566.57	510.17	460.99	400.19	350.59	301.41	240.53	193.51

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	148.21	105.58	59.94	32.72	18.34	14.04	13.09	12.40	11.71
45.0	176.54	131.93	93.96	60.20	29.02	16.62	13.78	13.09	12.23
90.0	125.30	76.21	44.35	23.17	14.55	12.92	12.23	11.37	10.59
135.0	158.72	107.48	69.50	40.91	19.20	13.95	13.09	12.31	11.20
180.0	139.08	87.07	52.88	27.56	15.85	13.00	12.23	11.54	10.76
225.0	101.10	65.54	37.63	17.14	13.26	12.40	11.63	10.42	9.65
270.0	172.93	117.12	77.94	38.93	20.32	14.12	12.92	12.14	11.20
315.0	125.39	85.08	53.39	24.46	15.42	14.12	13.26	12.06	11.20
360.0	148.21	105.58	59.94	32.72	18.34	14.04	13.09	12.40	11.71
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	10.76	10.08	9.30	7.84	6.20	5.94	5.77	5.60	5.43
45.0	11.45	10.59	10.08	9.65	7.84	6.20	5.94	5.86	5.60
90.0	9.90	9.04	8.18	6.80	6.03	5.77	5.68	5.51	5.43
135.0	10.33	9.56	8.70	7.66	6.20	5.94	5.77	5.60	5.43
180.0	9.82	8.96	8.18	6.80	6.11	5.94	5.77	5.60	5.43
225.0	8.78	8.10	7.23	6.20	6.03	5.77	5.68	5.51	5.34
270.0	10.25	9.47	8.61	7.58	6.20	5.94	5.77	5.60	5.43
315.0	10.33	9.30	8.27	6.11	5.94	5.77	5.60	5.43	5.25
360.0	10.76	10.08	9.30	7.84	6.20	5.94	5.77	5.60	5.43
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	5.34	5.17	5.08	4.99	4.91	4.82	4.74	4.65	4.65
45.0	5.43	5.25	5.25	5.08	4.99	4.91	4.82	4.82	4.74
90.0	5.17	5.08	4.99	4.91	4.82	4.74	4.74	4.65	4.56
135.0	5.25	5.17	5.08	4.99	4.91	4.82	4.74	4.65	4.56
180.0	5.25	5.17	5.17	4.99	4.91	4.82	4.82	4.74	4.65
225.0	5.17	5.08	5.08	4.99	4.91	4.82	4.74	4.74	4.65
270.0	5.25	5.17	5.08	4.91	4.91	4.82	4.74	4.65	4.56
315.0	5.17	5.08	4.91	4.82	4.82	4.74	4.65	4.65	4.48
360.0	5.34	5.17	5.08	4.99	4.91	4.82	4.74	4.65	4.65
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	4.56	4.56	4.48	4.39	4.39	4.31	4.31	4.22	4.22
45.0	4.65	4.56	4.56	4.48	4.48	4.39	4.39	4.31	4.31
90.0	4.48	4.48	4.39	4.39	4.31	4.31	4.22	4.22	4.22
135.0	4.56	4.48	4.39	4.39	4.31	4.31	4.22	4.22	4.22
180.0	4.65	4.56	4.48	4.39	4.39	4.39	4.31	4.31	4.22
225.0	4.56	4.48	4.48	4.48	4.48	4.39	4.39	4.31	4.39
270.0	4.56	4.48	4.39	4.39	4.31	4.31	4.22	4.22	4.13
315.0	4.48	4.39	4.31	4.31	4.31	4.22	4.22	4.13	4.13
360.0	4.56	4.56	4.48	4.39	4.39	4.31	4.31	4.22	4.22
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.22	4.22	4.13	4.13	4.05	4.05	4.05	4.05	4.05
45.0	4.31	4.31	4.31	4.31	4.22	4.05	4.05	3.96	4.05
90.0	4.13	4.13	4.05	4.05	4.05	4.05	3.96	3.96	3.96
135.0	4.13	4.13	4.05	4.05	4.05	4.05	4.05	3.96	3.96
180.0	4.22	4.22	4.22	4.13	4.13	4.05	4.05	4.05	4.05
225.0	4.39	4.65	4.48	4.31	4.05	4.05	4.05	3.96	4.05
270.0	4.13	4.13	4.13	4.13	4.05	4.05	4.05	3.96	3.96
315.0	4.13	4.05	4.05	4.05	4.05	4.05	4.05	3.96	3.96
360.0	4.22	4.22	4.13	4.13	4.05	4.05	4.05	4.05	4.05

Intensity data(cd)

C/ $\gamma(^{\circ})$	90.0
0.0	4.05
45.0	3.96
90.0	3.96
135.0	3.96
180.0	4.05
225.0	3.96
270.0	3.96
315.0	3.96
360.0	4.05