



NATA LIGHTING CO.,LTD
www.nata.cn
Email:info@nata.cn
Tel:+86 0750-377 0000(10 lines) Fax:+86 0750-377 1111
Address:380JinOu Road,Gaoxin Zone,Jiang Men City,Guangdong,China

NT

Client: NT

LumCAT: 1-1758-LM

Luminaire: 92.70.494.00 LED HOLDER

Report No: 20251218-B016

Ballast type: AC

Test No: 20251218-C016

Voltage(V): 34.370

LampCAT: LUMINUS CXM-11 LES11

Current(A): 0.452

Lamp flux(lm): 2035.0

Power (W): 15.535

Number of Lamps: 1

PF: 0.000

Length(mm): 50

Width(mm): 50

Phm Type: C

Height(mm): 22

Photometric Results

Lumens(lm): 1942.01, Efficiency(%): 95.43% , Luminous Efficacy(lm/W): 125.01

Central intensity(cd): 6037.678, Maximum intensity(cd): 6037.678

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=22.0

[C90/270]Total=22.0

Field angle(10%Imax): [C0/180]Total=70.8

[C90/270]Total=70.8

Maximum s/h(1/2): C0_180=0.37 C90_270=0.37

Maximum s/h(1/4): C0_180=0.40 C90_270=0.40

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 95.43%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.960%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6037.678	0.000	0	0.00%	0.00%
1.0	6021.295	5.770	5.77	0.28%	0.30%
2.0	5974.256	17.217	22.987	0.85%	1.18%
3.0	5889.319	28.374	51.361	1.39%	2.64%
4.0	5733.436	38.905	90.266	1.91%	4.65%
5.0	5472.084	48.206	138.472	2.37%	7.13%
6.0	5145.272	55.797	194.269	2.74%	10.00%
7.0	4733.381	61.317	255.585	3.01%	13.16%
8.0	4299.623	64.647	320.233	3.18%	16.49%
9.0	3835.420	65.930	386.163	3.24%	19.88%
10.0	3366.998	65.179	451.342	3.20%	23.24%
11.0	3004.467	63.664	515.006	3.13%	26.52%
12.0	2659.444	61.915	576.921	3.04%	29.71%
13.0	2328.202	59.191	636.112	2.91%	32.76%
14.0	2037.600	55.882	691.993	2.75%	35.63%
15.0	1841.077	53.248	745.242	2.62%	38.37%
16.0	1671.131	51.464	796.705	2.53%	41.02%
17.0	1526.358	49.793	846.499	2.45%	43.59%
18.0	1390.528	48.093	894.592	2.36%	46.07%
19.0	1281.396	46.486	941.078	2.28%	48.46%
20.0	1190.770	45.248	986.325	2.22%	50.79%
21.0	1123.643	44.441	1030.767	2.18%	53.08%
22.0	1074.164	44.166	1074.933	2.17%	55.35%
23.0	1009.266	43.716	1118.649	2.15%	57.60%
24.0	954.570	42.936	1161.585	2.11%	59.81%
25.0	910.441	42.406	1203.991	2.08%	62.00%
26.0	868.500	41.992	1245.984	2.06%	64.16%
27.0	827.958	41.504	1287.488	2.04%	66.30%
28.0	791.768	41.008	1328.496	2.02%	68.41%
29.0	762.026	40.652	1369.147	2.00%	70.50%
30.0	730.645	40.302	1409.449	1.98%	72.58%
31.0	705.129	39.956	1449.405	1.96%	74.63%
32.0	682.840	39.764	1489.168	1.95%	76.68%
33.0	657.527	39.488	1528.656	1.94%	78.72%
34.0	636.363	39.157	1567.813	1.92%	80.73%
35.0	614.482	38.847	1606.66	1.91%	82.73%
36.0	587.721	38.278	1644.938	1.88%	84.70%
37.0	554.899	37.266	1682.204	1.83%	86.62%

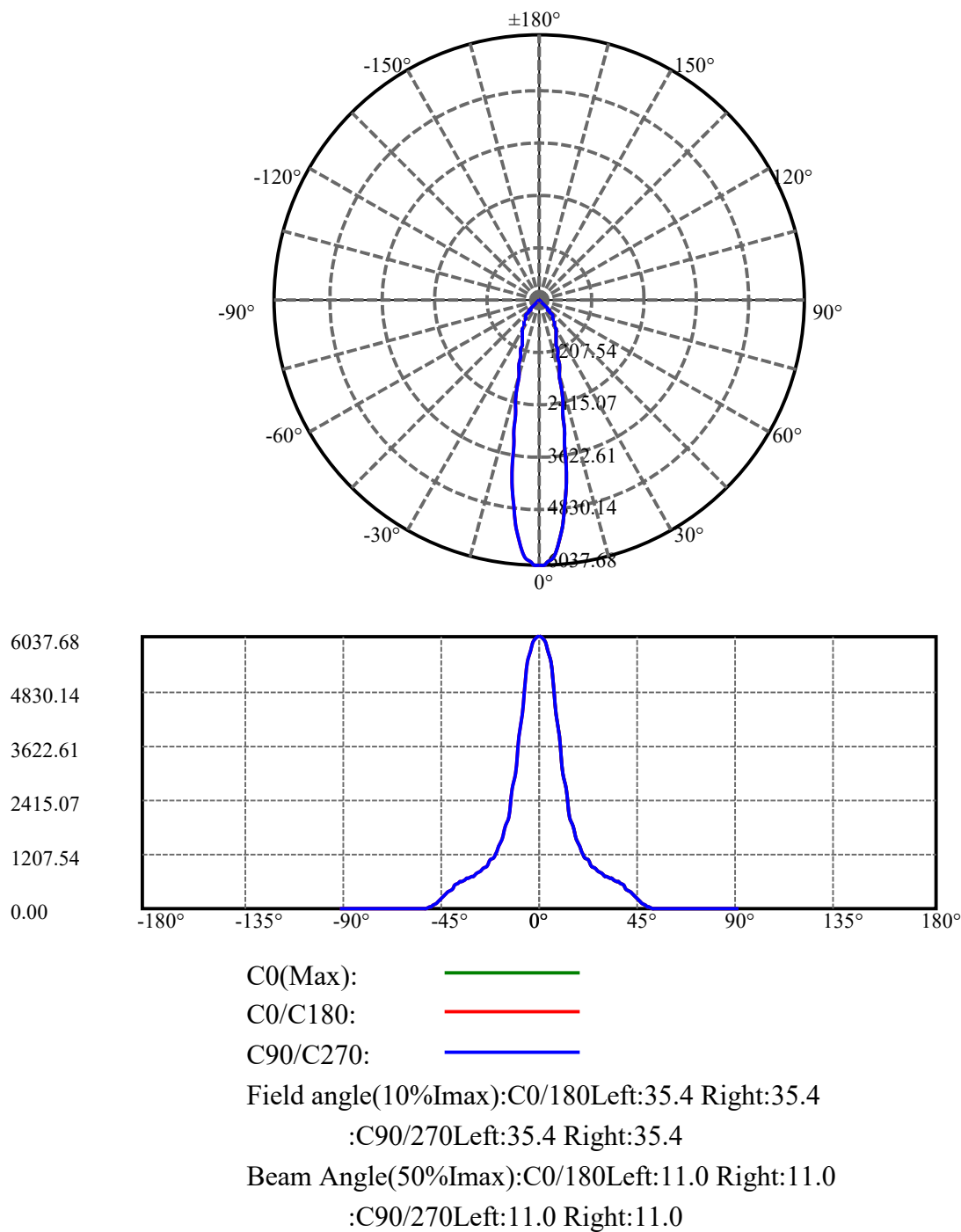
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	513.970	35.677	1717.881	1.75%	88.46%
39.0	466.298	33.459	1751.341	1.64%	90.18%
40.0	425.081	31.088	1782.429	1.53%	91.78%
41.0	374.730	28.481	1810.91	1.40%	93.25%
42.0	329.948	25.602	1836.512	1.26%	94.57%
43.0	289.252	22.937	1859.449	1.13%	95.75%
44.0	256.261	20.589	1880.038	1.01%	96.81%
45.0	199.181	17.503	1897.541	0.86%	97.71%
46.0	151.734	13.724	1911.265	0.67%	98.42%
47.0	102.213	10.100	1921.365	0.50%	98.94%
48.0	66.797	6.832	1928.197	0.34%	99.29%
49.0	39.558	4.368	1932.565	0.21%	99.51%
50.0	22.388	2.583	1935.147	0.13%	99.65%
51.0	11.960	1.453	1936.601	0.07%	99.72%
52.0	8.768	0.889	1937.49	0.04%	99.77%
53.0	7.685	0.716	1938.206	0.04%	99.80%
54.0	6.940	0.645	1938.85	0.03%	99.84%
55.0	6.152	0.584	1939.435	0.03%	99.87%
56.0	5.337	0.519	1939.954	0.03%	99.89%
57.0	4.514	0.450	1940.404	0.02%	99.92%
58.0	3.502	0.371	1940.775	0.02%	99.94%
59.0	2.461	0.279	1941.054	0.01%	99.95%
60.0	1.477	0.186	1941.24	0.01%	99.96%
61.0	1.041	0.120	1941.36	0.01%	99.97%
62.0	0.816	0.089	1941.449	0.00%	99.97%
63.0	0.640	0.071	1941.52	0.00%	99.97%
64.0	0.506	0.056	1941.576	0.00%	99.98%
65.0	0.408	0.045	1941.622	0.00%	99.98%
66.0	0.338	0.037	1941.659	0.00%	99.98%
67.0	0.316	0.033	1941.692	0.00%	99.98%
68.0	0.295	0.031	1941.723	0.00%	99.99%
69.0	0.246	0.028	1941.75	0.00%	99.99%
70.0	0.232	0.025	1941.775	0.00%	99.99%
71.0	0.211	0.023	1941.798	0.00%	99.99%
72.0	0.183	0.020	1941.818	0.00%	99.99%
73.0	0.190	0.019	1941.838	0.00%	99.99%
74.0	0.134	0.017	1941.855	0.00%	99.99%
75.0	0.141	0.014	1941.869	0.00%	99.99%

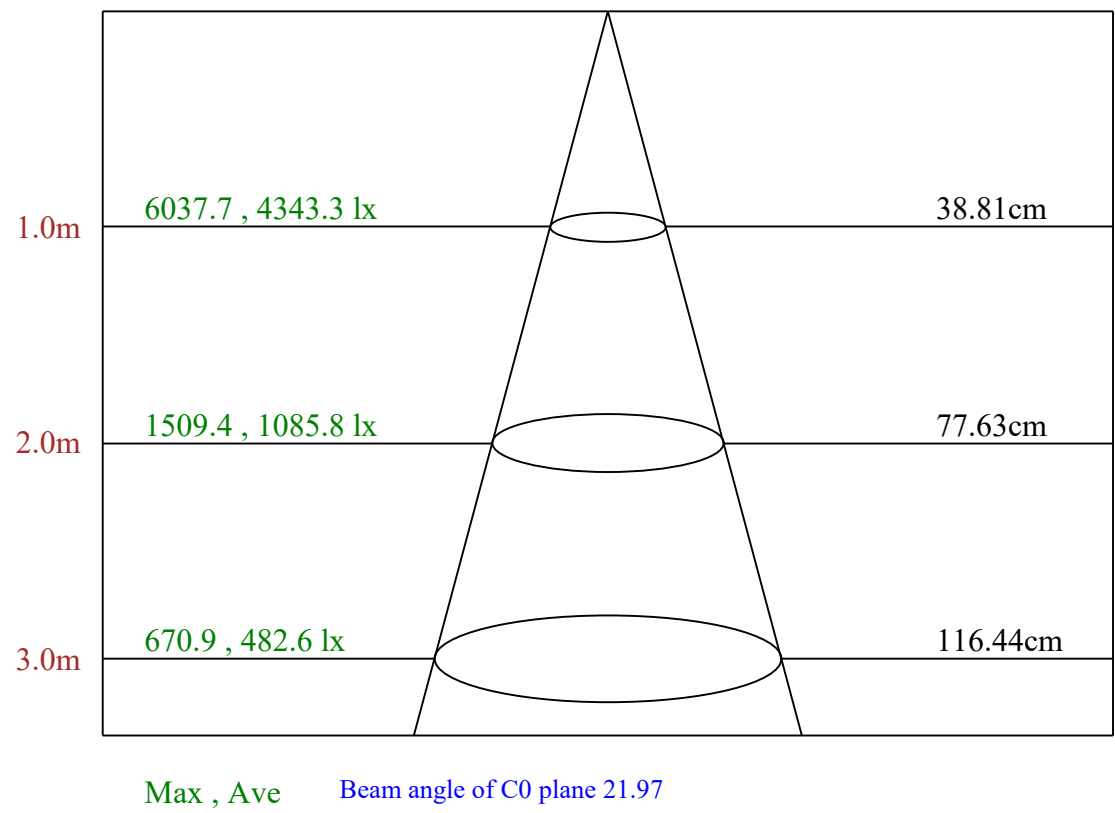
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	0.134	0.015	1941.884	0.00%	99.99%
77.0	0.105	0.013	1941.897	0.00%	99.99%
78.0	0.105	0.011	1941.908	0.00%	99.99%
79.0	0.084	0.010	1941.918	0.00%	100.00%
80.0	0.077	0.009	1941.927	0.00%	100.00%
81.0	0.077	0.008	1941.935	0.00%	100.00%
82.0	0.077	0.008	1941.943	0.00%	100.00%
83.0	0.056	0.007	1941.951	0.00%	100.00%
84.0	0.063	0.007	1941.957	0.00%	100.00%
85.0	0.084	0.008	1941.965	0.00%	100.00%
86.0	0.070	0.008	1941.974	0.00%	100.00%
87.0	0.091	0.009	1941.983	0.00%	100.00%
88.0	0.077	0.009	1941.992	0.00%	100.00%
89.0	0.091	0.009	1942.001	0.00%	100.00%
90.0	0.084	0.010	1942.011	0.00%	100.00%

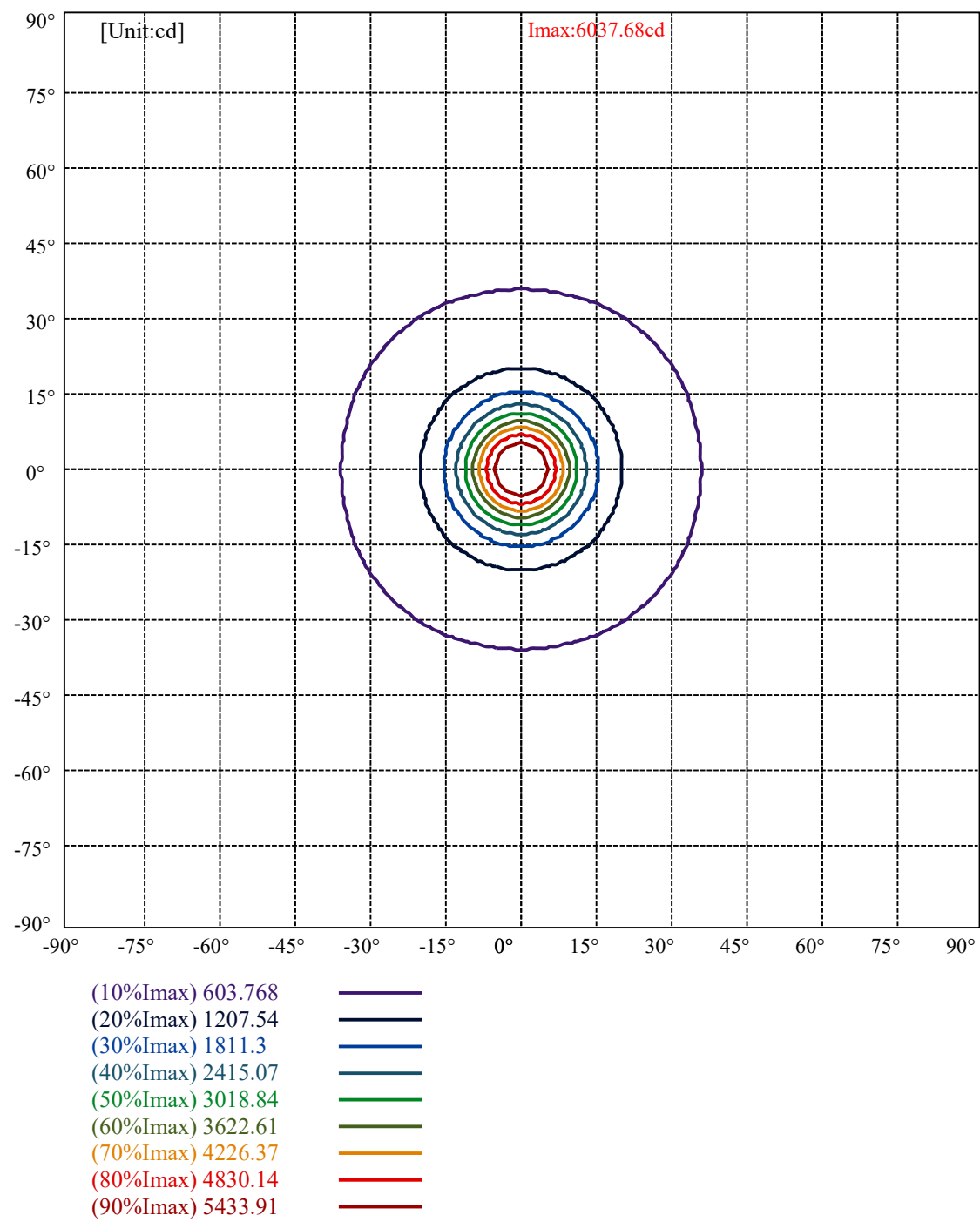
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	1409.45	69.26%	72.58%
0-40	1782.43	87.59%	91.78%
0-60	1941.24	95.39%	99.96%
0-90	1942.00	95.43%	100.00%
0-120	1942.00	95.43%	100.00%
0-180	1942.01	95.43%	100.00%
60-90	0.76	0.04%	0.04%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-33.64	1553.61	76.34%	80.00%

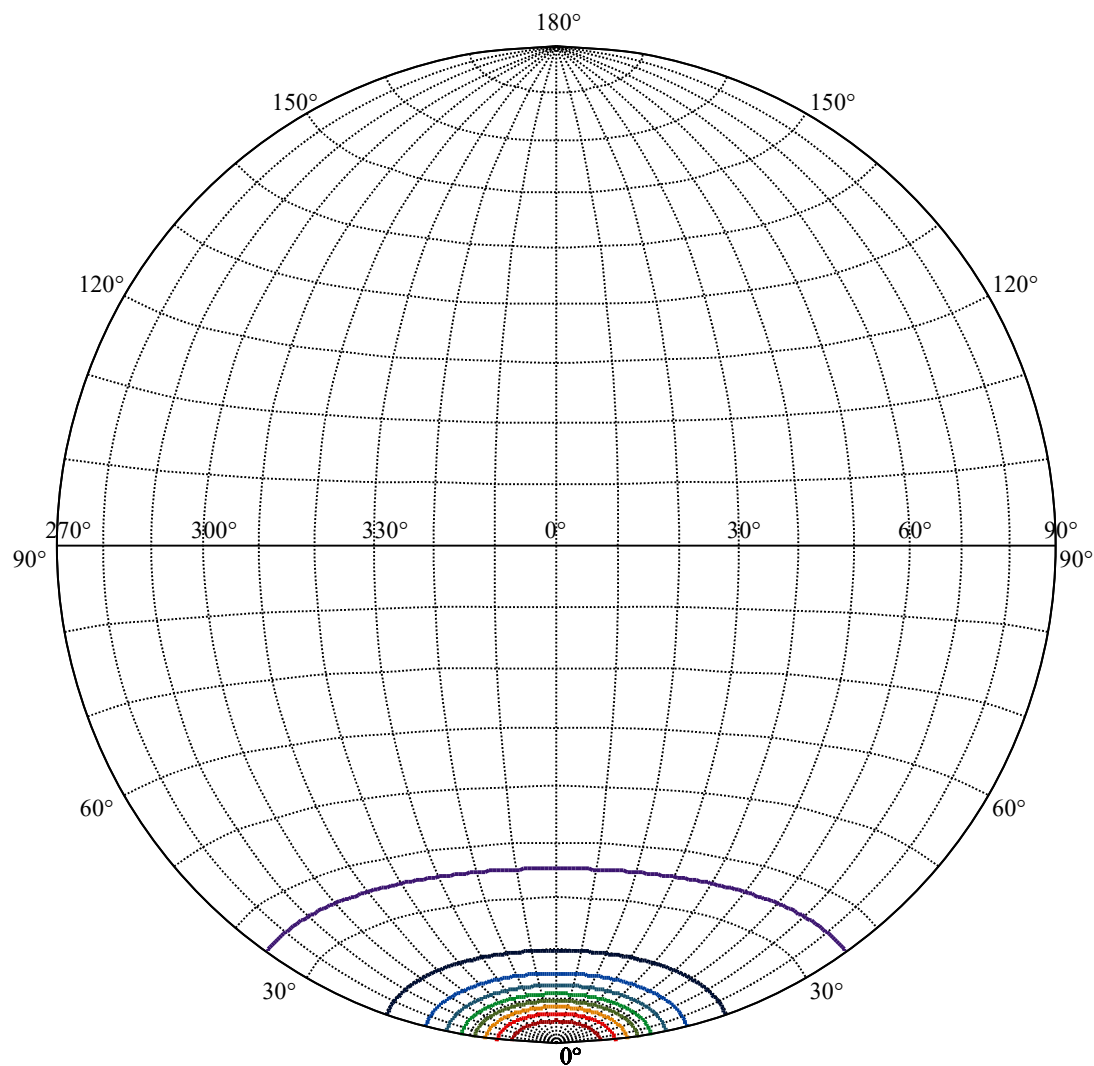
ZONAL LUMEN SUMMARY

0-10	451.34
10-20	534.98
20-30	423.12
30-40	372.98
40-50	152.72
50-60	6.09
60-70	0.54
70-80	0.15
80-90	0.07
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







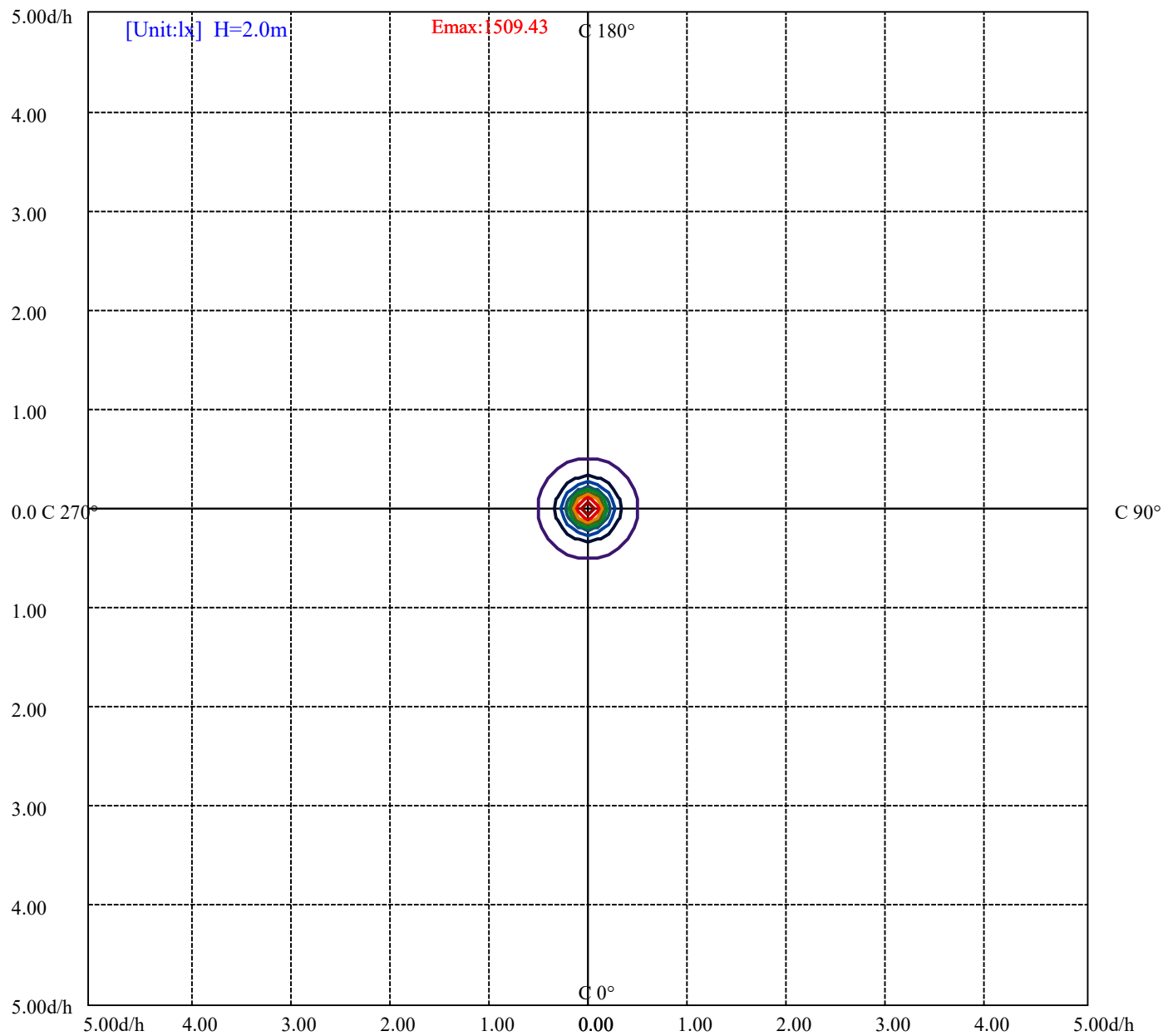


House

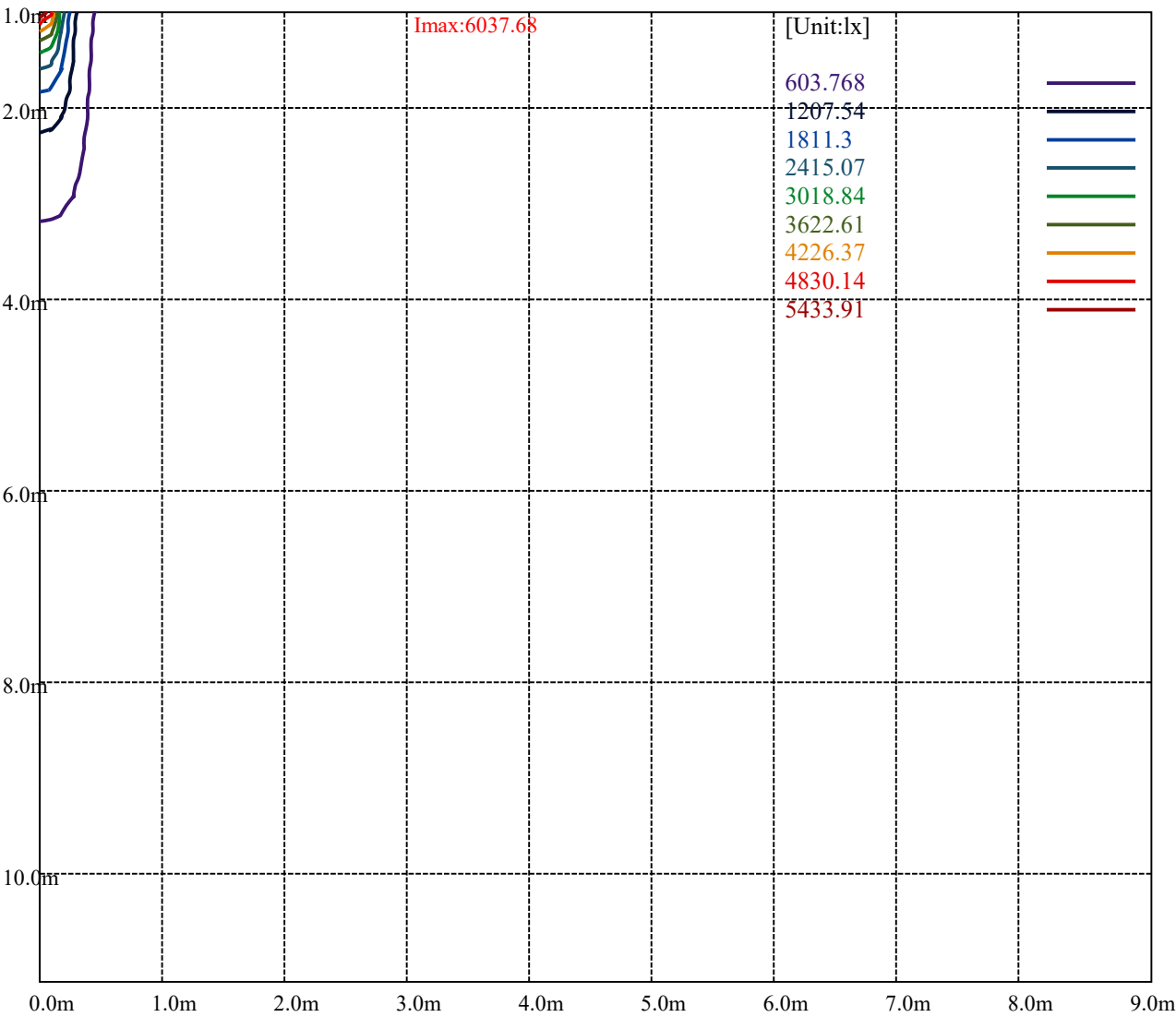
[Unit:cd]

Road

Imax:6037.68	
(10%Imax) 603.768	
(20%Imax) 1207.54	
(30%Imax) 1811.3	
(40%Imax) 2415.07	
(50%Imax) 3018.84	
(60%Imax) 3622.61	
(70%Imax) 4226.37	
(80%Imax) 4830.14	
(90%Imax) 5433.91	



(10%Emax)	150.942	
(20%Emax)	301.885	
(30%Emax)	452.825	
(40%Emax)	603.7675	
(50%Emax)	754.71	
(60%Emax)	905.6525	
(70%Emax)	1056.593	
(80%Emax)	1207.535	
(90%Emax)	1358.478	



Luminance Table

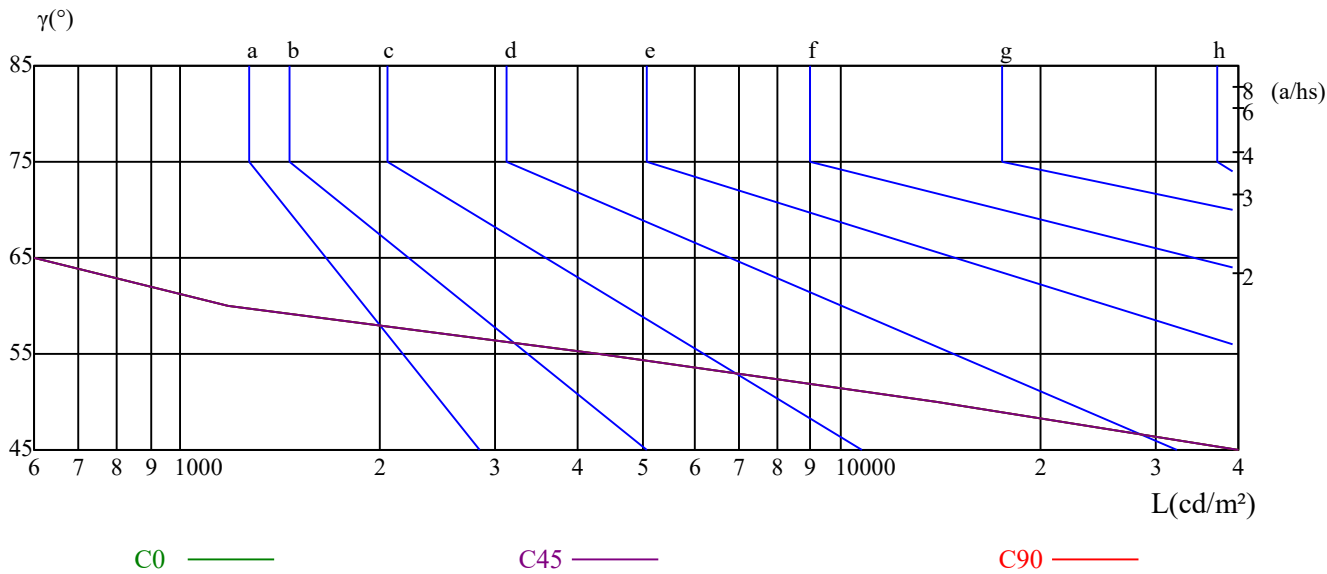
γ	45	50	55	60	65	70	75	80	85
C0	112674	13932	4291	1181	386	271	217	178	387
C45	112674	13932	4291	1181	386	271	217	178	387
C90	112674	13932	4291	1181	386	271	217	178	387

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
386	386	386	217	217	217	387	387	387

Glare Table

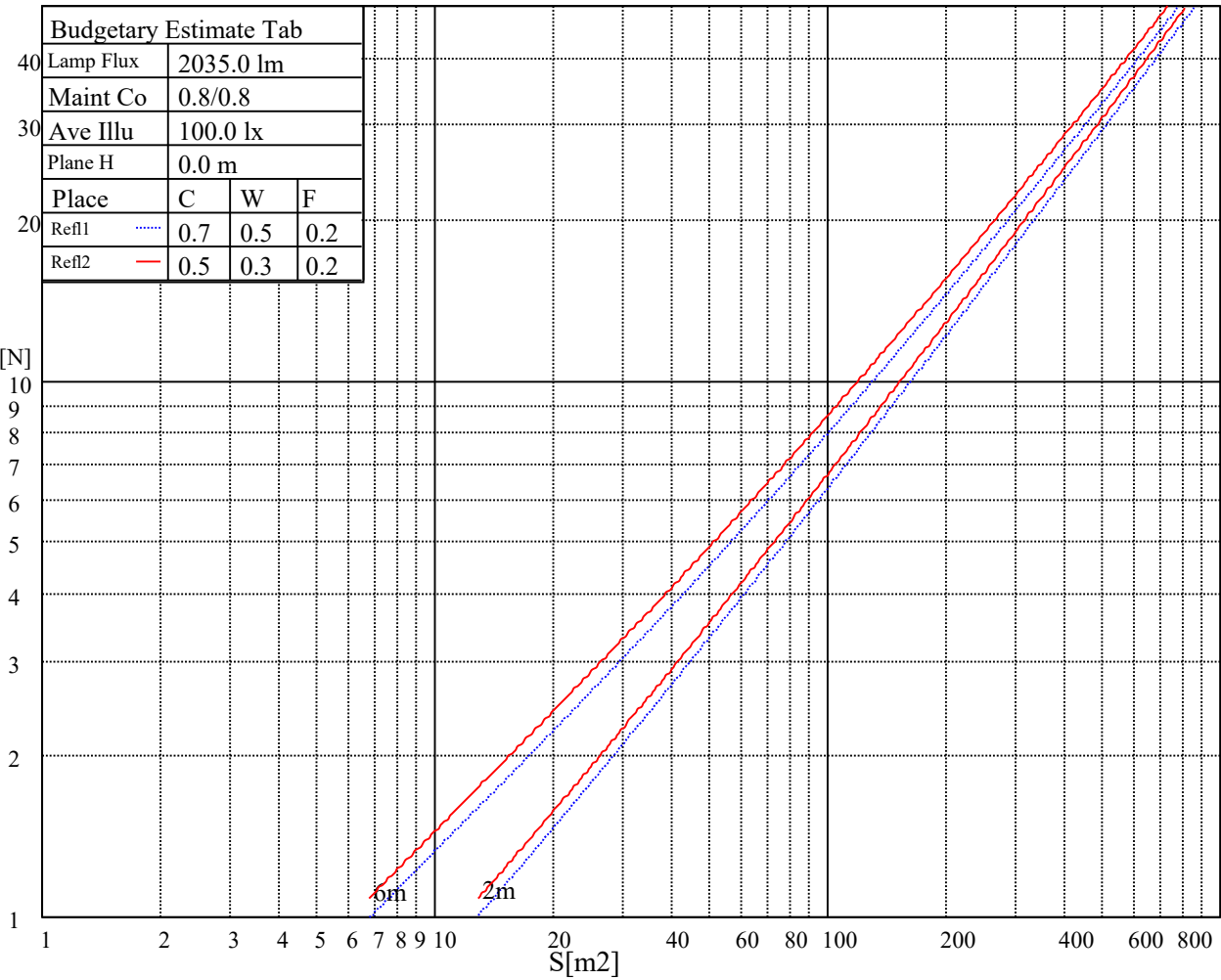
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

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	24.84	25.83	25.21	26.14	26.46	24.47	25.46	24.83	25.77	26.08
	3H	24.64	25.51	25.03	25.85	26.19	24.27	25.14	24.65	25.48	25.82
	4H	24.54	25.34	24.94	25.69	26.06	24.16	24.97	24.56	25.32	25.69
	6H	24.45	25.18	24.86	25.56	25.96	24.07	24.81	24.49	25.19	25.58
	8H	24.37	25.07	24.79	25.46	25.86	24.00	24.70	24.42	25.08	25.49
	12H	24.30	24.96	24.72	25.36	25.77	23.93	24.59	24.35	24.98	25.40
4H	2H	24.54	25.34	24.94	25.70	26.06	24.16	24.97	24.57	25.32	25.69
	3H	24.29	24.96	24.72	25.36	25.77	23.92	24.59	24.35	24.98	25.40
	4H	24.21	24.79	24.65	25.21	25.66	23.84	24.42	24.28	24.84	25.29
	6H	24.07	24.57	24.54	25.03	25.48	23.70	24.20	24.17	24.66	25.11
	8H	24.01	24.48	24.49	24.93	25.41	23.64	24.10	24.12	24.56	25.04
	12H	23.95	24.38	24.44	24.84	25.36	23.58	24.01	24.07	24.47	24.99
8H	4H	24.01	24.48	24.49	24.93	25.41	23.64	24.10	24.12	24.56	25.04
	6H	23.85	24.23	24.35	24.71	25.22	23.47	23.86	23.98	24.34	24.85
	8H	23.83	24.15	24.36	24.67	25.17	23.45	23.78	23.99	24.30	24.80
	12H	23.77	24.02	24.31	24.53	25.06	23.39	23.64	23.94	24.16	24.68
12H	4H	23.95	24.38	24.44	24.84	25.36	23.58	24.01	24.07	24.47	24.99
	6H	23.83	24.15	24.36	24.67	25.17	23.45	23.78	23.99	24.30	24.80
	8H	23.77	24.02	24.31	24.53	25.06	23.39	23.64	23.94	24.16	24.68
Variation with the observer position at spacings:											
S = 1.0H		3.4/-21.3					3.4/-21.3				
S = 1.5H		5.8/-31.7					5.8/-31.7				
S = 2.0H		7.8/-33.7					7.8/-33.7				
Standard tables:		BK0					BK0				
Uncorrected UGR		5.0					5.0				

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	0.97	0.97	0.97	0.95
1	1.06	1.04	1.02	1.04	1.02	1.01	1.00	0.99	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.90
2	1.00	0.96	0.93	0.98	0.95	0.92	0.95	0.92	0.90	0.92	0.90	0.88	0.90	0.88	0.86	0.85
3	0.94	0.89	0.86	0.92	0.88	0.85	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.83	0.81	0.80
4	0.88	0.84	0.80	0.87	0.83	0.79	0.85	0.81	0.78	0.83	0.80	0.78	0.82	0.79	0.77	0.75
5	0.83	0.78	0.75	0.83	0.78	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.72	0.71
6	0.79	0.74	0.70	0.78	0.74	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.74	0.71	0.69	0.67
7	0.75	0.70	0.66	0.75	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.64
8	0.72	0.66	0.63	0.71	0.66	0.63	0.70	0.66	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.61
9	0.68	0.63	0.60	0.68	0.63	0.60	0.67	0.63	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.58
10	0.65	0.60	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.63	0.59	0.57	0.55

Intensity data(cd)

Appendix Page: 16 Total:18

C/ γ (°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	6054.13	6044.57	6004.07	5944.44	5781.88	5650.82	5334.69	4903.82	4410.51
45.0	6031.63	6035.57	6019.26	6002.94	5936.01	5831.38	5633.38	5320.63	5070.32
90.0	6031.07	5969.76	5918.57	5799.32	5582.19	5257.07	4732.82	4449.32	3974.01
135.0	6033.88	6026.57	5972.01	5879.76	5709.32	5427.51	5207.01	4677.69	4196.76
180.0	6054.13	6042.88	6008.01	5911.82	5811.69	5499.51	5109.13	4632.13	4140.51
225.0	6031.63	5993.94	5894.94	5709.88	5412.88	4906.63	4607.38	4107.88	3650.01
270.0	6031.07	6041.19	6031.07	5970.32	5874.13	5676.69	5362.82	5133.88	4590.51
315.0	6033.88	6015.88	5946.13	5896.07	5759.38	5527.07	5174.94	4641.69	4364.38
360.0	6054.13	6044.57	6004.07	5944.44	5781.88	5650.82	5334.69	4903.82	4410.51
C/ γ (°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3837.88	3557.76	3131.94	2752.26	2414.19	2082.32	1868.57	1697.57	1526.01
45.0	4494.32	4002.69	3540.32	3114.51	2877.13	2330.94	2069.94	1938.88	1722.32
90.0	3522.32	3107.76	2665.07	2464.26	2075.57	1825.26	1719.51	1568.76	1440.51
135.0	3734.38	3225.88	3071.76	2630.76	2303.94	2039.01	1794.32	1631.19	1495.07
180.0	3864.88	3172.44	2792.19	2578.44	2262.88	1967.57	1773.51	1613.19	1529.94
225.0	3221.38	2764.07	2555.94	2139.69	1872.51	1797.13	1604.76	1471.44	1353.32
270.0	4116.32	3653.94	3227.01	2990.76	2415.32	2131.26	1989.51	1754.94	1599.69
315.0	3891.88	3451.44	3051.51	2604.88	2404.07	2127.32	1908.51	1693.07	1544.01
360.0	3837.88	3557.76	3131.94	2752.26	2414.19	2082.32	1868.57	1697.57	1526.01
C/ γ (°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1450.63	1336.44	1221.69	1092.32	1092.32	1029.94	974.81	916.37	890.16
45.0	1573.82	1446.13	1334.76	1275.69	1173.32	1100.19	1038.32	983.76	953.38
90.0	1329.69	1117.74	1091.31	1091.31	1019.08	986.91	937.52	893.19	850.56
135.0	1378.07	1315.07	1204.82	1126.63	1058.57	998.94	936.51	890.38	848.19
180.0	1383.69	1278.51	1184.57	1103.01	1060.82	986.57	914.01	886.44	837.51
225.0	1119.99	1090.58	1090.58	1010.31	975.83	924.36	878.91	838.86	795.66
270.0	1468.07	1354.44	1294.26	1185.69	1109.19	1042.26	984.32	951.13	893.76
315.0	1420.26	1312.26	1104.19	1104.19	1104.19	1004.96	972.17	923.40	878.79
360.0	1450.63	1336.44	1221.69	1092.32	1092.32	1029.94	974.81	916.37	890.16
C/ γ (°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	850.44	815.01	783.11	746.78	728.94	701.72	664.26	651.99	632.19
45.0	897.13	840.32	818.94	780.69	750.88	722.76	696.32	681.13	655.26
90.0	802.80	781.59	749.19	705.94	691.93	670.16	648.56	626.46	595.24
135.0	825.69	781.82	748.07	718.82	692.94	678.32	651.32	631.07	609.13
180.0	799.82	767.19	737.38	721.07	689.01	664.82	643.44	624.88	611.38
225.0	776.08	745.88	718.03	691.93	663.36	650.59	622.69	589.89	569.14
270.0	836.38	813.32	772.82	741.88	712.63	686.76	672.13	645.69	626.01
315.0	835.31	789.02	768.66	738.06	711.34	687.60	661.50	639.79	617.51
360.0	850.44	815.01	783.11	746.78	728.94	701.72	664.26	651.99	632.19
C/ γ (°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	620.21	576.62	528.47	501.75	455.51	408.60	361.86	302.68	274.39
45.0	635.01	613.07	573.13	532.07	505.63	442.07	413.94	357.69	309.32
90.0	575.33	537.36	495.45	448.48	388.58	359.21	310.39	263.03	205.37
135.0	578.76	556.82	509.57	444.88	416.19	357.13	307.63	287.94	287.94
180.0	573.69	534.88	490.44	434.76	386.94	339.69	291.32	291.32	282.88
225.0	527.06	480.83	434.64	378.56	349.93	301.84	253.74	207.11	154.01
270.0	603.51	571.44	549.51	501.69	455.57	407.19	348.69	300.88	280.63
315.0	588.21	568.18	530.55	488.19	442.29	382.11	352.01	303.36	255.54
360.0	620.21	576.62	528.47	501.75	455.51	408.60	361.86	302.68	274.39

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	225.28	178.88	125.27	85.05	50.51	24.64	10.35	8.89	8.04
45.0	290.76	281.19	166.05	121.44	81.96	60.86	27.56	12.83	9.17
90.0	159.92	117.39	79.14	40.39	25.48	12.15	9.00	8.33	7.43
135.0	192.09	123.36	84.88	63.56	29.53	14.01	9.06	8.27	7.88
180.0	151.54	125.78	79.20	47.14	23.18	11.31	9.39	8.38	7.59
225.0	128.42	74.81	38.03	24.53	11.93	9.17	8.33	7.26	6.81
270.0	237.71	159.75	133.88	79.43	58.39	25.31	11.76	8.27	7.48
315.0	207.73	152.72	111.26	72.84	35.49	21.66	10.24	7.93	7.09
360.0	225.28	178.88	125.27	85.05	50.51	24.64	10.35	8.89	8.04
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	7.20	6.30	5.29	4.67	3.54	2.48	1.80	1.18	1.01
45.0	8.27	7.76	6.69	5.46	4.95	4.11	3.21	1.69	1.18
90.0	7.03	5.96	5.57	4.95	3.71	1.74	1.01	0.79	0.68
135.0	6.98	6.30	5.63	4.89	3.99	3.09	1.01	0.90	0.73
180.0	6.75	5.85	5.01	4.28	3.21	1.69	1.13	0.90	0.68
225.0	6.02	5.23	4.39	3.04	1.29	1.13	0.84	0.68	0.51
270.0	7.09	6.13	5.29	4.67	3.83	2.87	1.29	1.07	0.96
315.0	6.19	5.68	4.84	4.16	3.49	2.59	1.52	1.13	0.79
360.0	7.20	6.30	5.29	4.67	3.54	2.48	1.80	1.18	1.01
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	0.73	0.56	0.45	0.39	0.34	0.34	0.28	0.23	0.23
45.0	1.07	0.73	0.56	0.51	0.39	0.39	0.34	0.28	0.28
90.0	0.51	0.39	0.39	0.28	0.28	0.23	0.17	0.23	0.17
135.0	0.56	0.45	0.34	0.28	0.28	0.28	0.23	0.17	0.17
180.0	0.51	0.45	0.34	0.34	0.28	0.28	0.23	0.23	0.23
225.0	0.45	0.39	0.34	0.28	0.28	0.28	0.23	0.23	0.17
270.0	0.68	0.56	0.45	0.34	0.39	0.34	0.28	0.28	0.28
315.0	0.62	0.51	0.39	0.28	0.28	0.23	0.23	0.23	0.17
360.0	0.73	0.56	0.45	0.39	0.34	0.34	0.28	0.23	0.23
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	0.17	0.17	0.11	0.17	0.11	0.11	0.06	0.06	0.06
45.0	0.28	0.28	0.23	0.17	0.17	0.17	0.17	0.11	0.06
90.0	0.17	0.17	0.11	0.11	0.11	0.06	0.11	0.06	0.06
135.0	0.11	0.17	0.11	0.17	0.11	0.06	0.06	0.06	0.11
180.0	0.17	0.17	0.11	0.11	0.17	0.11	0.11	0.06	0.06
225.0	0.17	0.17	0.11	0.17	0.17	0.11	0.17	0.11	0.11
270.0	0.23	0.23	0.17	0.17	0.17	0.17	0.11	0.17	0.11
315.0	0.17	0.17	0.11	0.06	0.06	0.06	0.06	0.06	0.06
360.0	0.17	0.17	0.11	0.17	0.11	0.11	0.06	0.06	0.06
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.06	0.00	0.00	0.00	0.06	0.06	0.06	0.00	0.06
45.0	0.06	0.11	0.06	0.06	0.11	0.11	0.11	0.06	0.06
90.0	0.11	0.06	0.06	0.06	0.11	0.06	0.11	0.06	0.17
135.0	0.00	0.06	0.06	0.06	0.00	0.00	0.00	0.06	0.06
180.0	0.11	0.06	0.06	0.06	0.06	0.06	0.11	0.11	0.06
225.0	0.11	0.11	0.06	0.11	0.11	0.11	0.11	0.11	0.11
270.0	0.11	0.17	0.11	0.11	0.17	0.11	0.17	0.17	0.17
315.0	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
360.0	0.06	0.00	0.00	0.00	0.06	0.06	0.06	0.00	0.06

Intensity data(cd)

C/ $\gamma(^{\circ})$	90.0
0.0	0.00
45.0	0.11
90.0	0.17
135.0	0.06
180.0	0.06
225.0	0.11
270.0	0.17
315.0	0.00
360.0	0.00