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Ten-Lighting Technology Co.Ltd

LumCAT: LED Track lights

Luminaire: R20-C10WB

Report No: 18-0555-06

Voltage(V): 220.0100

Test No: 18-0555-06

Current(A): 0.0980

LampCAT: LED 20W

Power (W): 20.1600

Lamp flux(lm)

PF: 0.9380

Number of Lamps: 1

Ballast type: Ten-Lighting/TL21L-25-550

Length(mm): 67

Width(mm): 67

Phm Type: C

Height(mm): 220

Photometric Results

Lumens(lm): 1713.57

Lumens(lm)/Power(W): 85.00

Central intensity(cd): 6989.003

Maximum intensity(cd): 7067.727

Angle of maximum intensity: $C=245.0 \gamma=2.5$

Beam Angle(50%Imax): [C0/180]Left=12.8 Right=11.4

[C90/270]Left=12.6 Right=11.5

Field angle(10%Imax): [C0/180]Left=21.6 Right=25.2

[C90/270]Left=22.4 Right=25.0

Equipment: GMS-2000
Temperature(°C): 24.8

Date: 2018/7/11
Humidity(%): 58.0%

Operator: Yi-Fan Liao
Distance(m): 19.99

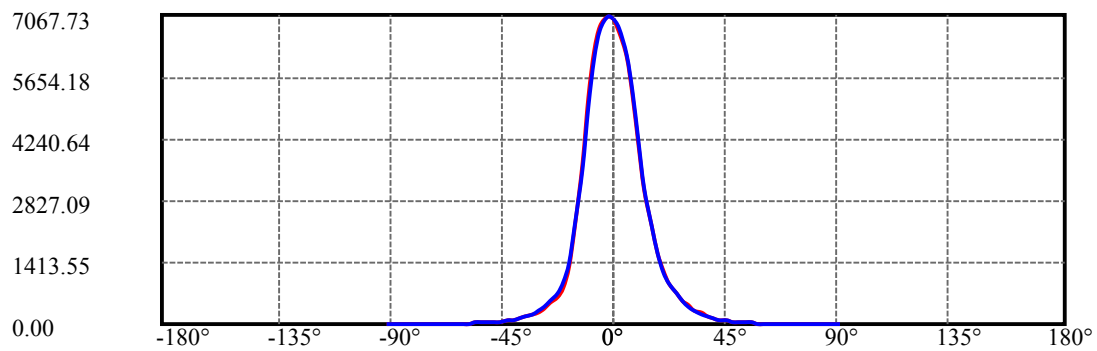
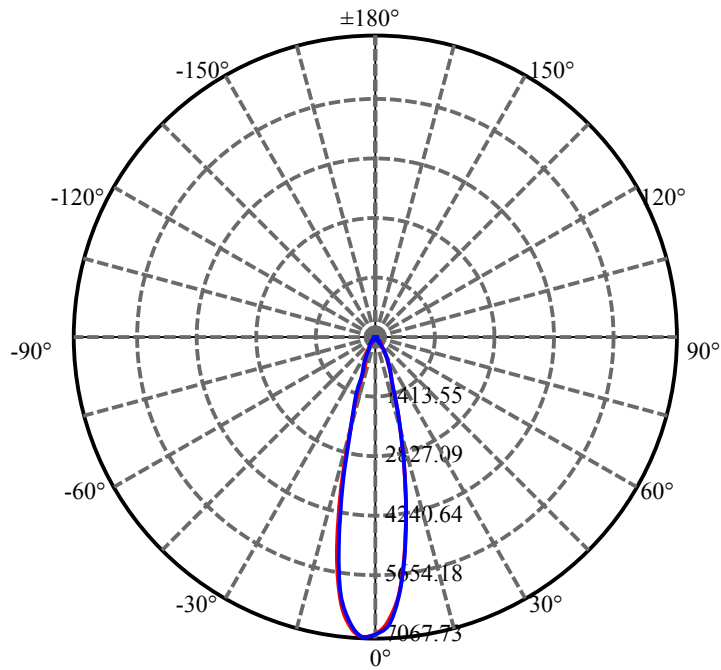
γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6989.000	.000	.000	.000%	.000%
2.5	6873.478	41.450	41.450	2.419%	2.419%
5.0	6460.491	119.534	160.984	6.976%	9.395%
7.5	5713.076	181.655	342.639	10.601%	19.996%
10.0	4618.929	215.434	558.072	12.572%	32.568%
12.5	3353.555	213.188	771.260	12.441%	45.009%
15.0	2244.820	182.389	953.649	10.644%	55.653%
17.5	1496.119	143.485	1097.134	8.373%	64.026%
20.0	1058.979	112.574	1209.708	6.570%	70.596%
22.5	792.895	91.998	1301.706	5.369%	75.965%
25.0	610.328	77.463	1379.169	4.521%	80.485%
27.5	463.880	65.122	1444.291	3.800%	84.286%
30.0	348.979	53.590	1497.880	3.127%	87.413%
32.5	264.707	43.637	1541.518	2.547%	89.960%
35.0	200.993	35.463	1576.981	2.070%	92.029%
37.5	152.409	28.643	1605.624	1.672%	93.701%
40.0	116.384	23.061	1628.684	1.346%	95.047%
42.5	89.438	18.601	1647.285	1.086%	96.132%
45.0	69.553	15.070	1662.355	.879%	97.011%
47.5	54.601	12.293	1674.648	.717%	97.729%
50.0	43.107	10.069	1684.717	.588%	98.316%
52.5	34.171	8.261	1692.978	.482%	98.799%
55.0	26.046	6.656	1699.634	.388%	99.187%
57.5	17.111	4.918	1704.552	.287%	99.474%
60.0	9.707	3.142	1707.695	.183%	99.657%
62.5	6.444	1.941	1709.635	.113%	99.771%
65.0	4.462	1.341	1710.976	.078%	99.849%
67.5	3.374	.983	1711.959	.057%	99.906%
70.0	2.409	.739	1712.698	.043%	99.949%
72.5	.905	.430	1713.128	.025%	99.974%
75.0	.400	.172	1713.300	.010%	99.984%
77.5	.400	.106	1713.406	.006%	99.991%
80.0	.316	.096	1713.502	.006%	99.996%
82.5	.089	.055	1713.557	.003%	100.000%
85.0	.000	.012	1713.569	.001%	100.000%
87.5	.000	.000	1713.569	.000%	100.000%
90.0	.000	.000	1713.569	.000%	100.000%

ZONAL LUMEN SUMMARY

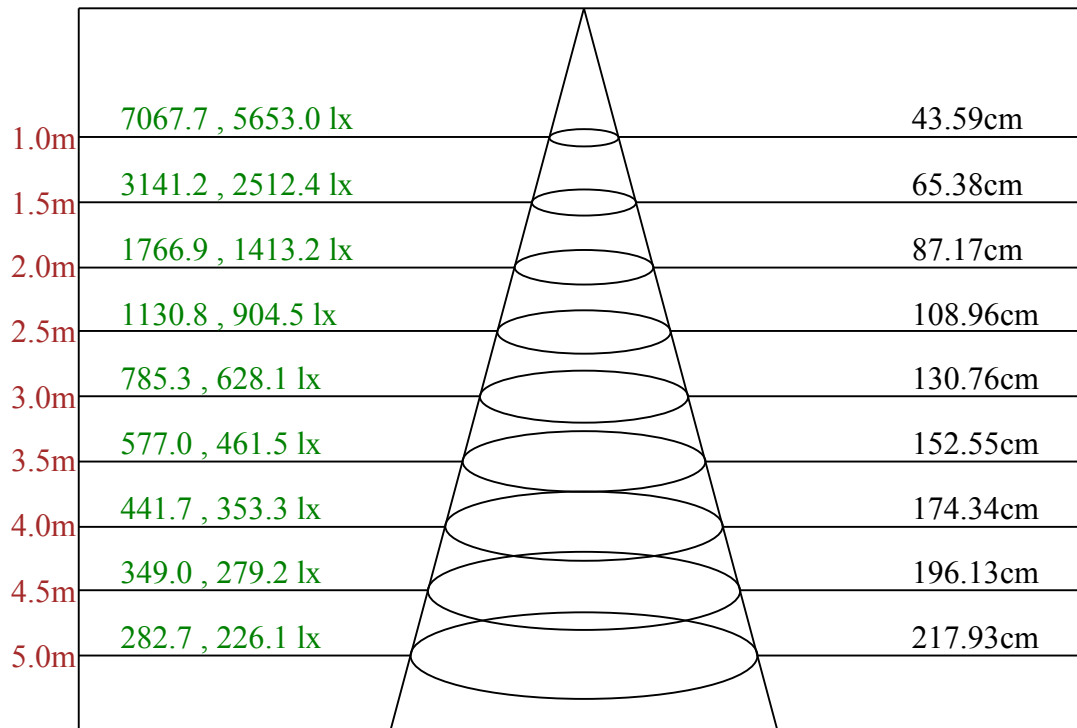
Zone	Lumens	%Fixt
0-30	1497.88	87.41%
0-40	1628.68	95.05%
0-60	1707.70	99.66%
0-90	1713.57	100.00%
0-120	1713.57	100.00%
0-180	1713.57	100.00%
60-90	9.02	0.53%
90-120	0.00	0.00%
90-130	0.00	0.00%
90-150	0.00	0.00%
90-180	0.00	0.00%
0-24.73	1370.86	80.00%

ZONAL LUMEN SUMMARY

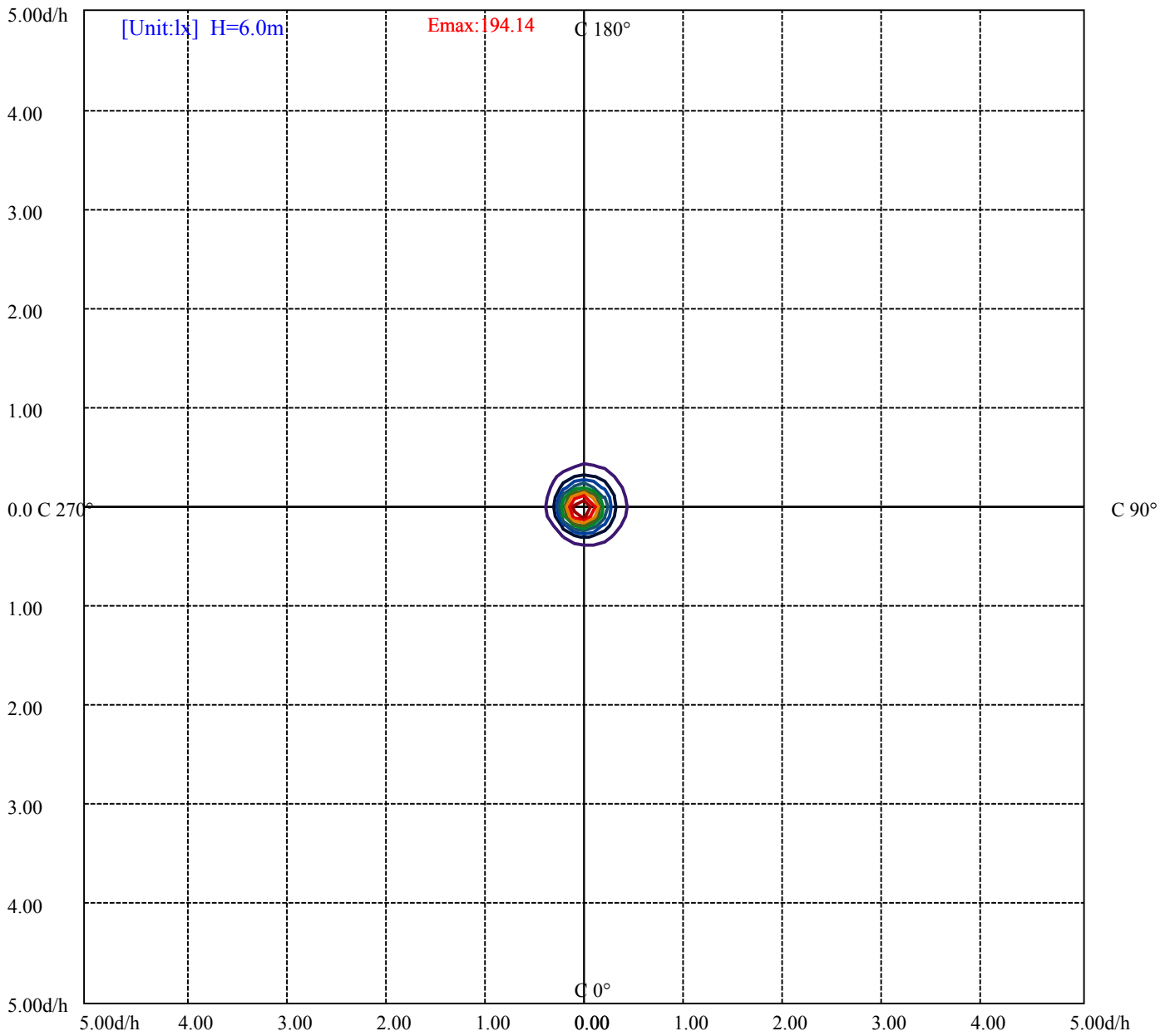
0-10	558.07
10-20	651.64
20-30	288.17
30-40	130.80
40-50	56.03
50-60	22.98
60-70	5.00
70-80	0.80
80-90	0.07
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



C0/C180: —
 C90/C270: —



Max , Ave Beam angle of C245plane24.58



(10%Emax) 19.41383	—
(20%Emax) 38.82778	—
(30%Emax) 58.24166	—
(40%Emax) 77.65528	—
(50%Emax) 97.06917	—
(60%Emax) 116.4831	—
(70%Emax) 135.8969	—
(80%Emax) 155.3108	—
(90%Emax) 174.7247	—

Intensity data(cd)

C/γ(°)	0.0	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0
0.0	6989.00	6692.50	6121.07	5226.37	4124.27	3068.13	2224.17	1642.76	1229.17
5.0	6989.00	6684.51	6124.27	5219.98	4110.69	3053.74	2230.97	1648.35	1241.96
10.0	6989.00	6678.52	6098.70	5193.60	4094.30	3037.76	2225.77	1645.55	1241.96
15.0	6989.00	6692.90	6057.14	5161.63	4068.73	3039.76	2226.17	1647.95	1247.55
20.0	6989.00	6666.93	6041.55	5134.86	4084.71	3016.98	2218.18	1652.35	1256.34
25.0	6989.00	6660.53	6037.96	5132.86	4045.15	3017.78	2213.78	1659.14	1252.35
30.0	6989.00	6695.70	6022.77	5146.45	4039.56	3001.40	2216.18	1655.14	1262.74
35.0	6989.00	6678.52	6019.98	5126.47	4025.17	2993.80	2220.58	1651.95	1254.35
40.0	6989.00	6660.53	6010.79	5095.70	4026.77	2999.40	2225.77	1659.94	1247.95
45.0	6989.00	6664.13	6033.96	5122.07	4019.98	2993.01	2230.57	1652.75	1259.14
50.0	6989.00	6686.51	6038.36	5139.66	4000.40	2988.21	2212.99	1649.55	1257.14
55.0	6989.00	6659.34	6068.73	5145.25	4025.57	2989.81	2219.38	1653.95	1248.35
60.0	6989.00	6670.53	6092.30	5150.45	4065.13	3017.38	2212.59	1655.94	1248.75
65.0	6989.00	6673.32	6100.30	5172.02	4053.54	3027.37	2216.18	1651.55	1244.75
70.0	6989.00	6684.51	6099.10	5180.42	4073.92	3029.37	2223.78	1643.16	1236.36
75.0	6989.00	6726.07	6123.07	5200.00	4110.69	3045.75	2239.36	1643.96	1229.97
80.0	6989.00	6710.09	6137.46	5244.35	4149.05	3061.74	2222.18	1637.56	1224.38
85.0	6989.00	6721.27	6169.03	5282.31	4162.63	3073.32	2230.97	1628.77	1218.78
90.0	6989.00	6746.05	6163.43	5321.48	4196.20	3098.10	2236.96	1631.17	1205.99
95.0	6989.00	6751.64	6178.62	5329.87	4237.36	3118.48	2215.38	1619.18	1194.80
100.0	6989.00	6757.64	6226.97	5354.24	4272.52	3128.47	2216.18	1617.18	1183.22
105.0	6989.00	6768.03	6276.52	5397.00	4322.48	3164.03	2226.17	1603.60	1169.23
110.0	6989.00	6797.20	6330.47	5453.74	4360.84	3201.20	2235.36	1594.80	1152.85
115.0	6989.00	6824.77	6359.64	5510.89	4417.18	3232.77	2240.16	1577.22	1131.67
120.0	6989.00	6836.76	6381.21	5560.84	4447.15	3265.53	2253.74	1566.03	1122.08
125.0	6989.00	6864.33	6432.36	5610.39	4496.30	3296.70	2264.53	1557.24	1105.69
130.0	6989.00	6875.92	6461.93	5660.34	4563.03	3346.65	2274.52	1541.66	1082.92
135.0	6989.00	6897.50	6510.29	5711.88	4635.36	3383.41	2280.92	1524.87	1070.13
140.0	6989.00	6913.08	6535.06	5790.61	4706.89	3431.77	2278.92	1514.88	1040.96
145.0	6989.00	6931.46	6577.02	5855.34	4754.44	3483.71	2283.32	1491.31	1021.38
150.0	6989.00	6936.66	6610.98	5920.08	4817.98	3513.68	2290.11	1468.53	995.40
155.0	6989.00	6944.25	6664.93	5983.21	4895.10	3551.65	2282.12	1448.55	967.43
160.0	6989.00	6973.02	6695.70	6041.95	4949.05	3575.22	2276.52	1420.18	945.85
165.0	6989.00	6990.60	6727.27	6113.88	5015.78	3608.39	2278.12	1383.02	918.28
170.0	6989.00	6992.20	6764.83	6156.64	5058.54	3643.55	2268.13	1363.04	891.11
175.0	6989.00	7026.57	6777.22	6214.58	5100.90	3674.72	2266.53	1327.87	859.54
180.0	6989.00	7041.35	6805.19	6249.75	5170.43	3689.11	2256.94	1301.10	847.95
185.0	6989.00	7061.33	6828.77	6309.29	5194.00	3722.28	2236.96	1265.93	823.58
190.0	6989.00	7064.13	6847.15	6364.83	5210.79	3725.87	2239.36	1242.76	808.79
195.0	6989.00	7060.53	6871.52	6398.40	5264.73	3729.47	2231.77	1226.77	797.20
200.0	6989.00	7049.75	6889.51	6410.78	5317.48	3747.85	2220.58	1217.18	787.61
205.0	6989.00	7057.74	6879.92	6418.78	5385.01	3777.42	2212.59	1209.19	776.02
210.0	6989.00	7057.74	6865.93	6392.00	5409.39	3763.43	2213.39	1204.00	776.82
215.0	6989.00	7044.15	6849.55	6402.79	5430.17	3763.43	2222.58	1206.79	776.42
220.0	6989.00	7052.94	6840.75	6382.81	5418.98	3780.22	2230.97	1207.59	782.82
225.0	6989.00	7060.93	6839.56	6374.42	5390.21	3791.81	2234.56	1217.98	788.81
230.0	6989.00	7056.14	6850.34	6362.43	5353.84	3796.20	2234.96	1230.77	800.00
235.0	6989.00	7055.34	6852.34	6336.06	5307.09	3773.42	2253.35	1239.16	812.39
240.0	6989.00	7050.15	6852.74	6351.24	5287.51	3760.64	2260.54	1258.34	823.18
245.0	6989.00	7067.73	6855.94	6326.47	5228.77	3739.46	2268.93	1282.72	839.96
250.0	6989.00	7062.13	6839.56	6308.89	5180.82	3707.89	2270.53	1303.50	861.14
255.0	6989.00	7056.54	6842.35	6230.57	5103.29	3681.52	2278.12	1340.66	878.72
260.0	6989.00	7061.73	6806.79	6165.03	5070.53	3633.56	2289.71	1369.83	895.10
265.0	6989.00	7041.35	6782.01	6123.07	5016.98	3602.79	2290.11	1393.01	919.48
270.0	6989.00	7030.96	6736.46	6068.33	4965.03	3569.23	2277.32	1423.78	947.45
275.0	6989.00	7017.78	6717.28	6020.38	4895.90	3525.27	2286.51	1447.35	973.03
280.0	6989.00	6992.20	6680.91	5954.44	4853.54	3478.12	2270.93	1468.93	995.80
285.0	6989.00	6972.62	6644.55	5890.51	4803.19	3455.34	2256.54	1488.11	1012.59

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Intensity data(cd)									
C/γ(°)	0.0	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0
290.0	6989.00	6936.26	6615.78	5846.55	4745.65	3426.57	2249.35	1509.69	1040.96
295.0	6989.00	6935.46	6583.41	5817.38	4676.52	3383.81	2248.15	1518.08	1058.14
300.0	6989.00	6916.28	6547.05	5755.04	4624.97	3346.65	2235.36	1537.26	1077.32
305.0	6989.00	6913.08	6494.70	5674.32	4569.03	3299.10	2224.57	1557.64	1100.90
310.0	6989.00	6887.91	6458.74	5629.97	4515.08	3270.33	2251.75	1564.83	1118.88
315.0	6989.00	6868.73	6426.77	5564.03	4460.74	3241.16	2241.36	1581.62	1130.87
320.0	6989.00	6847.55	6376.82	5537.66	4405.99	3230.37	2250.15	1595.20	1146.45
325.0	6989.00	6810.38	6332.86	5471.33	4369.63	3186.41	2258.94	1598.40	1160.44
330.0	6989.00	6807.99	6282.11	5462.13	4340.06	3169.23	2247.75	1614.38	1175.62
335.0	6989.00	6783.61	6253.34	5396.20	4283.71	3144.05	2239.76	1624.77	1193.21
340.0	6989.00	6777.22	6241.75	5373.82	4242.95	3108.49	2242.96	1631.17	1199.60
345.0	6989.00	6769.63	6195.40	5327.07	4214.58	3091.31	2237.76	1627.97	1211.19
350.0	6989.00	6756.44	6169.43	5327.47	4183.01	3098.10	2250.55	1637.16	1221.58
355.0	6989.00	6730.47	6127.07	5255.94	4145.85	3073.32	2234.16	1646.35	1225.97
360.0	6989.00	6692.50	6121.07	5226.37	4124.27	3068.13	2224.17	1642.76	1229.17

Intensity data(cd)

C/γ(°)	22.5	25.0	27.5	30.0	32.5	35.0	37.5	40.0	42.5
0.0	936.26	720.48	547.85	422.78	326.87	248.95	186.61	140.66	105.89
5.0	949.45	729.67	555.44	429.17	331.27	250.15	187.01	141.86	106.29
10.0	956.24	731.27	561.04	433.57	335.66	251.75	189.01	142.66	106.69
15.0	959.04	734.47	564.24	436.76	338.06	253.35	189.81	143.06	107.49
20.0	964.24	745.65	568.63	440.76	338.06	254.55	191.01	143.06	107.49
25.0	965.43	745.25	572.23	441.56	339.66	256.14	191.81	143.46	107.49
30.0	970.23	746.05	575.02	444.36	339.66	254.94	191.01	143.86	107.89
35.0	969.83	749.25	574.62	441.16	340.86	257.34	191.41	143.86	107.09
40.0	962.24	750.85	576.22	441.56	341.66	256.94	191.41	143.86	107.49
45.0	969.43	751.25	576.62	443.56	342.06	256.14	190.61	143.46	107.49
50.0	970.63	750.05	575.82	445.95	342.46	256.94	191.01	143.46	105.89
55.0	964.24	746.05	570.63	445.55	341.66	255.74	190.61	143.46	106.29
60.0	963.04	745.25	574.62	443.56	338.86	252.95	189.01	142.26	106.69
65.0	952.25	740.46	570.63	439.16	336.46	250.95	187.41	140.26	104.70
70.0	950.25	737.66	565.03	431.97	332.87	248.15	185.81	138.66	103.50
75.0	942.26	732.87	559.84	426.77	328.47	245.35	181.02	136.26	101.90
80.0	929.47	723.28	551.05	421.58	323.68	239.76	178.22	133.87	100.30
85.0	923.08	713.69	543.06	415.18	317.28	234.96	175.82	131.47	98.30
90.0	911.89	703.70	536.26	407.99	312.89	230.57	172.63	128.67	96.70
95.0	904.30	693.31	526.27	399.60	305.69	226.57	168.63	127.07	95.10
100.0	890.71	686.11	518.28	391.61	300.10	221.78	165.43	124.28	94.31
105.0	875.92	672.13	508.29	384.02	291.71	216.18	162.64	121.88	92.31
110.0	860.34	658.14	497.90	374.82	283.32	211.39	159.04	119.08	91.11
115.0	841.56	641.76	484.71	365.23	276.52	206.59	156.24	117.48	89.91
120.0	828.37	625.77	476.72	354.45	268.93	201.40	151.45	114.29	87.91
125.0	805.59	609.79	461.94	347.25	261.74	197.40	147.05	112.69	86.31
130.0	783.62	592.21	450.35	337.66	254.94	192.21	145.05	109.49	85.51
135.0	766.83	583.02	439.56	329.67	246.95	187.01	141.86	107.49	83.92
140.0	753.25	567.83	427.57	320.48	241.76	183.02	137.46	105.49	82.32
145.0	730.87	555.84	420.78	312.09	234.17	179.02	135.06	103.50	80.72
150.0	709.69	541.06	410.39	305.69	228.17	174.63	132.67	101.90	79.52
155.0	688.91	526.67	401.60	300.50	222.98	170.23	129.87	99.90	78.72
160.0	672.53	518.28	394.41	292.11	218.98	168.23	127.87	99.10	78.32
165.0	661.74	509.09	386.41	284.52	214.19	165.83	126.27	97.90	77.52
170.0	646.15	499.90	380.42	277.72	208.19	163.84	123.88	96.70	76.32
175.0	632.57	492.71	374.82	274.92	206.19	161.04	122.68	96.70	75.92
180.0	624.58	483.52	368.83	268.53	201.00	158.24	121.88	95.50	75.52
185.0	615.78	477.12	361.64	265.33	199.40	155.44	120.28	94.71	74.73
190.0	609.39	472.33	359.64	262.54	196.60	153.85	119.88	94.31	74.33
195.0	604.99	468.73	357.24	259.74	193.01	151.85	118.68	93.11	74.33
200.0	598.20	465.53	355.64	257.74	191.81	149.85	117.88	92.71	73.53
205.0	595.80	464.73	354.84	254.94	191.01	149.45	117.08	92.31	73.53
210.0	593.81	461.94	353.65	255.74	190.61	149.45	117.48	92.31	73.13
215.0	596.20	461.54	352.85	256.14	190.61	149.85	117.48	92.31	73.93
220.0	596.20	464.34	354.45	258.14	191.01	149.85	118.68	93.11	73.93
225.0	601.40	469.53	356.04	259.34	192.61	150.65	119.48	93.91	74.33
230.0	607.79	472.33	359.64	261.34	195.00	152.25	119.48	94.71	74.73
235.0	615.38	477.52	362.84	264.93	197.80	153.45	120.68	94.71	75.12
240.0	622.58	482.32	367.23	268.13	199.80	155.04	121.48	96.30	75.92
245.0	628.97	491.91	372.03	271.33	204.99	156.64	123.08	96.30	75.92
250.0	638.56	497.90	379.22	274.92	206.19	157.84	123.88	96.70	76.72
255.0	647.35	504.69	383.22	279.32	208.59	160.64	125.47	97.90	77.52
260.0	664.93	515.88	390.01	285.71	212.19	162.24	126.67	98.70	78.32
265.0	674.92	522.68	395.60	290.51	215.78	165.43	128.67	99.50	78.72
270.0	688.11	533.47	403.60	294.11	218.98	169.03	130.27	101.10	79.92
275.0	704.10	541.06	409.59	301.30	225.77	171.83	132.67	102.70	80.72
280.0	721.28	552.65	419.18	308.49	230.57	175.42	134.67	104.30	82.32
285.0	737.66	564.24	424.38	314.49	236.56	180.22	138.26	106.69	83.12

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Intensity data(cd)									
C/γ(°)	22.5	25.0	27.5	30.0	32.5	35.0	37.5	40.0	42.5
290.0	749.65	576.22	430.77	323.68	242.56	184.62	141.86	108.29	85.11
295.0	771.63	589.41	443.16	329.27	248.95	188.61	144.66	110.69	86.71
300.0	786.41	599.80	452.35	337.26	253.35	193.41	147.45	113.09	87.91
305.0	805.99	614.59	460.74	346.85	260.54	198.20	150.25	115.48	89.11
310.0	822.78	626.97	469.53	351.25	266.13	203.80	153.85	117.48	91.11
315.0	833.97	641.36	479.12	359.64	271.73	208.59	157.44	119.88	92.71
320.0	849.15	649.35	489.91	367.63	280.12	212.19	161.04	122.68	93.51
325.0	865.53	658.94	496.30	377.22	286.11	217.78	163.84	124.68	95.10
330.0	884.32	672.93	507.89	384.42	293.71	221.78	166.63	127.47	96.30
335.0	893.51	684.52	513.49	392.81	298.10	226.97	169.83	129.47	98.70
340.0	906.69	694.51	520.28	399.60	304.10	230.97	174.63	132.67	100.70
345.0	915.08	696.90	531.87	407.99	311.29	236.96	178.22	134.27	101.90
350.0	921.48	707.69	539.46	411.99	316.08	241.76	182.22	137.06	103.90
355.0	931.87	713.69	543.86	418.78	323.28	245.35	183.02	139.46	105.09
360.0	936.26	720.48	547.85	422.78	326.87	248.95	186.61	140.66	105.89

C/γ(°)	45.0	47.5	50.0	52.5	55.0	57.5	60.0	62.5	65.0
0.0	80.72	61.14	47.15	35.56	24.78	13.59	7.99	5.99	4.40
5.0	80.72	61.94	47.15	35.96	24.78	13.19	7.99	5.59	4.40
10.0	81.12	61.94	47.15	35.56	24.38	12.79	7.99	5.59	4.40
15.0	81.12	61.54	47.15	35.56	24.38	12.39	7.59	5.59	4.40
20.0	81.12	61.54	46.75	35.16	23.98	12.39	7.59	5.19	4.00
25.0	81.12	61.14	46.75	35.16	23.58	12.39	7.59	5.19	4.00
30.0	80.72	61.14	45.95	35.16	23.98	12.39	7.59	5.19	4.40
35.0	81.12	61.14	46.35	34.77	23.98	12.39	7.99	5.59	4.40
40.0	81.12	61.54	45.95	34.77	23.98	12.79	7.99	5.59	4.40
45.0	80.32	61.14	45.95	34.77	23.98	13.19	8.39	5.59	4.80
50.0	80.72	61.14	45.95	34.77	24.38	13.59	8.39	5.99	4.40
55.0	80.32	60.74	45.95	34.77	23.98	13.59	8.39	5.99	4.40
60.0	79.12	60.34	45.55	34.37	23.98	13.59	7.99	5.59	4.00
65.0	78.32	59.54	45.15	33.97	23.58	13.59	7.99	5.19	3.60
70.0	78.32	59.14	44.76	33.97	23.98	13.99	7.99	5.19	3.60
75.0	76.72	58.34	44.76	34.37	23.98	14.39	8.39	5.19	4.00
80.0	75.92	57.54	44.36	33.97	24.38	14.79	8.39	5.59	4.00
85.0	74.73	56.74	43.96	33.97	24.38	15.18	8.39	5.59	4.00
90.0	73.13	56.34	43.56	33.97	24.78	15.58	8.39	5.59	4.40
95.0	72.33	55.94	43.16	33.57	25.17	15.98	8.79	5.99	4.40
100.0	71.53	55.14	43.16	33.97	25.57	16.78	9.19	5.99	4.40
105.0	70.33	54.75	42.36	33.97	25.57	17.18	9.19	6.39	4.40
110.0	69.93	53.95	42.36	33.97	25.97	17.58	9.59	6.39	4.80
115.0	69.13	53.95	42.76	33.97	26.37	17.98	9.59	6.79	4.80
120.0	68.73	53.55	43.16	34.37	26.77	18.78	10.39	7.19	5.19
125.0	67.53	53.55	42.76	34.37	27.17	19.18	10.39	7.19	5.19
130.0	66.73	52.75	41.96	34.37	27.17	19.18	10.39	7.19	4.80
135.0	65.13	52.35	42.36	33.97	27.17	19.18	10.39	7.19	4.80
140.0	64.34	51.55	41.96	33.97	27.17	19.18	10.79	7.19	4.80
145.0	63.94	51.15	41.16	33.97	27.17	19.58	10.79	7.19	4.80
150.0	63.14	51.15	41.16	33.97	27.17	19.58	11.19	7.19	4.80
155.0	62.74	50.75	41.56	33.97	27.57	19.98	11.19	7.59	4.80
160.0	62.74	51.15	41.56	33.97	27.57	20.38	11.59	7.59	4.80
165.0	61.94	50.75	41.56	34.37	27.57	20.38	11.99	7.99	4.80
170.0	61.54	50.35	41.56	34.37	27.97	20.78	12.39	7.99	5.19
175.0	61.14	50.35	41.56	34.37	27.97	20.78	12.79	8.39	5.19
180.0	60.74	49.95	41.16	33.97	27.97	21.18	13.19	8.39	5.59
185.0	60.34	49.55	41.16	33.97	27.97	21.18	12.79	8.39	5.19
190.0	60.34	49.95	40.76	33.97	27.97	21.18	13.19	8.39	5.19
195.0	59.94	49.55	40.76	33.97	27.97	21.18	12.79	7.99	5.19
200.0	59.94	49.15	40.76	33.57	27.57	21.18	12.79	7.99	5.19
205.0	59.54	49.15	40.36	33.57	27.97	21.18	12.79	7.99	5.19
210.0	59.54	49.15	40.76	33.57	27.97	21.18	12.79	7.99	5.19
215.0	60.34	49.55	40.76	33.97	27.97	21.18	13.19	7.99	5.19
220.0	60.34	49.55	41.16	33.97	27.97	21.18	13.19	7.99	5.19
225.0	60.34	49.95	40.76	33.97	27.97	21.18	12.79	7.99	5.19
230.0	60.34	49.95	41.16	33.97	27.97	21.18	12.39	7.99	5.19
235.0	60.74	49.95	41.16	33.97	27.97	20.78	12.39	7.99	5.19
240.0	61.14	49.95	41.16	33.97	27.97	20.38	11.99	7.59	4.80
245.0	61.54	49.95	41.16	33.57	27.57	19.98	11.59	7.19	4.80
250.0	61.94	50.35	40.76	33.57	27.57	19.98	11.19	7.19	4.80
255.0	61.94	50.35	41.16	33.17	27.17	19.58	10.79	6.79	4.40
260.0	62.34	50.35	40.76	33.17	27.17	19.18	10.39	6.79	4.40
265.0	62.74	50.75	41.16	33.17	26.77	18.78	9.99	6.39	4.40
270.0	63.14	50.75	40.76	33.17	26.77	18.38	9.59	6.39	4.00
275.0	64.34	51.55	41.16	33.17	26.37	18.38	9.19	5.99	4.00
280.0	64.74	51.95	41.56	33.57	26.37	17.98	9.19	5.99	4.00
285.0	65.93	52.35	41.96	33.97	26.37	17.58	8.79	5.99	4.00

Intensity data(cd)

C/γ(°)	45.0	47.5	50.0	52.5	55.0	57.5	60.0	62.5	65.0
290.0	67.13	52.75	41.96	33.57	26.37	17.58	8.79	5.99	4.00
295.0	67.93	53.55	42.36	33.97	26.37	17.18	8.39	5.99	4.00
300.0	69.13	53.95	42.76	33.97	26.37	17.18	8.39	5.59	4.00
305.0	69.93	54.75	42.76	33.97	25.97	16.38	7.99	5.59	4.00
310.0	70.73	55.14	43.16	33.97	25.57	15.58	7.99	5.19	3.60
315.0	71.93	55.54	43.16	33.97	25.17	15.18	7.59	5.19	3.60
320.0	73.13	55.94	43.56	33.97	25.17	14.79	7.19	4.80	3.60
325.0	73.93	56.34	43.96	33.57	24.78	14.39	7.19	4.80	3.60
330.0	74.33	56.74	43.96	33.97	24.38	13.59	7.19	4.80	3.20
335.0	75.52	57.54	44.36	34.37	24.78	13.59	7.19	4.80	3.60
340.0	76.72	58.34	45.15	34.37	24.38	13.59	7.19	4.80	3.60
345.0	77.92	59.14	45.15	35.16	24.78	13.59	7.59	5.19	4.00
350.0	78.72	59.94	45.95	35.16	24.78	13.59	7.59	5.59	4.00
355.0	79.12	60.74	46.75	35.56	24.78	13.59	7.99	5.59	4.40
360.0	80.72	61.14	47.15	35.56	24.78	13.59	7.99	5.99	4.40

Intensity data(cd)

C/γ(°)	67.5	70.0	72.5	75.0	77.5	80.0	82.5	85.0	87.5
0.0	3.60	2.80	0.40	0.40	0.40	0.40	0.00	0.00	0.00
5.0	3.60	2.40	0.40	0.40	0.40	0.00	0.00	0.00	0.00
10.0	4.00	2.40	0.40	0.40	0.40	0.40	0.00	0.00	0.00
15.0	3.60	2.40	0.40	0.40	0.40	0.40	0.00	0.00	0.00
20.0	3.60	2.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00
25.0	3.60	2.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00
30.0	3.60	2.00	0.40	0.40	0.40	0.40	0.00	0.00	0.00
35.0	3.60	2.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00
40.0	3.60	2.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00
45.0	3.60	2.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00
50.0	3.60	2.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00
55.0	3.20	2.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00
60.0	3.20	2.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00
65.0	2.80	2.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00
70.0	3.20	2.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00
75.0	3.20	2.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00
80.0	3.60	2.40	0.40	0.40	0.40	0.00	0.00	0.00	0.00
85.0	3.60	2.40	0.40	0.40	0.40	0.40	0.00	0.00	0.00
90.0	3.60	2.40	0.40	0.40	0.40	0.40	0.00	0.00	0.00
95.0	3.60	2.40	0.40	0.40	0.40	0.40	0.00	0.00	0.00
100.0	3.60	2.40	0.40	0.40	0.40	0.40	0.00	0.00	0.00
105.0	3.60	2.40	0.40	0.40	0.40	0.40	0.00	0.00	0.00
110.0	3.60	2.80	0.80	0.40	0.40	0.40	0.00	0.00	0.00
115.0	4.00	2.80	0.80	0.40	0.40	0.40	0.00	0.00	0.00
120.0	4.00	2.80	0.80	0.40	0.40	0.40	0.00	0.00	0.00
125.0	4.00	2.80	0.80	0.40	0.40	0.40	0.00	0.00	0.00
130.0	3.60	2.80	0.80	0.40	0.40	0.40	0.00	0.00	0.00
135.0	3.60	2.80	1.20	0.40	0.40	0.40	0.00	0.00	0.00
140.0	3.60	2.80	1.20	0.40	0.40	0.40	0.00	0.00	0.00
145.0	3.60	2.80	1.20	0.40	0.40	0.40	0.00	0.00	0.00
150.0	3.60	2.80	1.60	0.40	0.40	0.40	0.00	0.00	0.00
155.0	3.60	2.80	1.20	0.40	0.40	0.40	0.00	0.00	0.00
160.0	3.60	2.80	1.60	0.40	0.40	0.40	0.00	0.00	0.00
165.0	3.60	2.80	1.60	0.40	0.40	0.40	0.40	0.00	0.00
170.0	3.60	2.80	1.60	0.40	0.40	0.40	0.40	0.00	0.00
175.0	3.60	2.80	1.60	0.40	0.40	0.40	0.40	0.00	0.00
180.0	3.60	2.80	1.60	0.40	0.40	0.40	0.40	0.00	0.00
185.0	3.60	2.80	1.60	0.40	0.40	0.40	0.40	0.00	0.00
190.0	3.20	2.40	1.60	0.40	0.40	0.40	0.40	0.00	0.00
195.0	3.20	2.40	1.60	0.40	0.40	0.40	0.40	0.00	0.00
200.0	3.20	2.40	1.60	0.40	0.40	0.40	0.40	0.00	0.00
205.0	3.20	2.40	1.60	0.40	0.40	0.40	0.40	0.00	0.00
210.0	3.20	2.40	1.60	0.40	0.40	0.40	0.40	0.00	0.00
215.0	3.20	2.40	1.60	0.40	0.40	0.40	0.40	0.00	0.00
220.0	3.60	2.80	1.60	0.40	0.40	0.40	0.40	0.00	0.00
225.0	3.60	2.80	1.60	0.40	0.40	0.40	0.40	0.00	0.00
230.0	3.60	2.80	1.60	0.40	0.40	0.40	0.40	0.00	0.00
235.0	3.60	2.80	1.60	0.40	0.40	0.40	0.40	0.00	0.00
240.0	3.60	2.80	1.60	0.40	0.40	0.40	0.00	0.00	0.00
245.0	3.20	2.40	1.60	0.40	0.40	0.40	0.00	0.00	0.00
250.0	3.20	2.40	1.60	0.40	0.40	0.40	0.00	0.00	0.00
255.0	3.20	2.40	1.20	0.40	0.40	0.40	0.00	0.00	0.00
260.0	3.20	2.40	1.20	0.40	0.40	0.40	0.00	0.00	0.00
265.0	3.20	2.40	1.20	0.40	0.40	0.40	0.00	0.00	0.00
270.0	3.20	2.40	1.20	0.40	0.40	0.40	0.00	0.00	0.00
275.0	2.80	2.40	1.20	0.40	0.40	0.40	0.00	0.00	0.00
280.0	2.80	2.40	1.20	0.40	0.40	0.40	0.40	0.00	0.00
285.0	3.20	2.40	0.80	0.40	0.40	0.40	0.00	0.00	0.00

Intensity data(cd) Page: 14 Total:16

C/γ(°)	67.5	70.0	72.5	75.0	77.5	80.0	82.5	85.0	87.5
290.0	3.20	2.40	0.80	0.40	0.40	0.40	0.00	0.00	0.00
295.0	3.20	2.40	0.80	0.40	0.40	0.40	0.00	0.00	0.00
300.0	3.20	2.40	0.80	0.40	0.40	0.40	0.00	0.00	0.00
305.0	2.80	2.00	0.80	0.40	0.40	0.40	0.00	0.00	0.00
310.0	2.80	2.00	0.80	0.40	0.40	0.40	0.00	0.00	0.00
315.0	2.80	2.00	0.40	0.40	0.40	0.40	0.00	0.00	0.00
320.0	2.80	2.00	0.40	0.40	0.40	0.40	0.00	0.00	0.00
325.0	2.80	2.00	0.40	0.40	0.40	0.40	0.00	0.00	0.00
330.0	2.80	2.00	0.40	0.40	0.40	0.40	0.00	0.00	0.00
335.0	2.80	2.00	0.40	0.40	0.40	0.00	0.00	0.00	0.00
340.0	2.80	2.00	0.40	0.40	0.40	0.40	0.00	0.00	0.00
345.0	3.20	2.40	0.40	0.40	0.40	0.40	0.00	0.00	0.00
350.0	3.20	2.40	0.40	0.40	0.40	0.40	0.00	0.00	0.00
355.0	3.60	2.40	0.40	0.40	0.40	0.00	0.00	0.00	0.00
360.0	3.60	2.80	0.40	0.40	0.40	0.40	0.00	0.00	0.00

Intensity data(cd)

C/γ(°)	90.0
0.0	0.00
5.0	0.00
10.0	0.00
15.0	0.00
20.0	0.00
25.0	0.00
30.0	0.00
35.0	0.00
40.0	0.00
45.0	0.00
50.0	0.00
55.0	0.00
60.0	0.00
65.0	0.00
70.0	0.00
75.0	0.00
80.0	0.00
85.0	0.00
90.0	0.00
95.0	0.00
100.0	0.00
105.0	0.00
110.0	0.00
115.0	0.00
120.0	0.00
125.0	0.00
130.0	0.00
135.0	0.00
140.0	0.00
145.0	0.00
150.0	0.00
155.0	0.00
160.0	0.00
165.0	0.00
170.0	0.00
175.0	0.00
180.0	0.00
185.0	0.00
190.0	0.00
195.0	0.00
200.0	0.00
205.0	0.00
210.0	0.00
215.0	0.00
220.0	0.00
225.0	0.00
230.0	0.00
235.0	0.00
240.0	0.00
245.0	0.00
250.0	0.00
255.0	0.00
260.0	0.00
265.0	0.00
270.0	0.00
275.0	0.00
280.0	0.00
285.0	0.00

Intensity data(cd)

C/γ(°)	90.0
290.0	0.00
295.0	0.00
300.0	0.00
305.0	0.00
310.0	0.00
315.0	0.00
320.0	0.00
325.0	0.00
330.0	0.00
335.0	0.00
340.0	0.00
345.0	0.00
350.0	0.00
355.0	0.00
360.0	0.00