



ASD LIGHTING CORP

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ASD LIGHTING CORP

LumCAT:

Luminaire: ASD-SSFL-A3050-W

Report No:

Voltage(V): 120.0000

Test No:

Current(A): 0.2800

LampCAT:

Power (W): 32.8800

Lamp flux(lm): -1.0

PF: 0.9780

Number of Lamps: 1

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3035.21

Efficiency(%): 0.00%

Lumens(lm)/Power(W): 92.31

Central intensity(cd): 1157.320

Maximum intensity(cd): 1168.590

Angle of maximum intensity: C=0.0 γ =3.0

Beam Angle(50%Imax): [C0/180]Left=53.6 Right=48.4

[C90/270]Left=57.3 Right=55.6

Field angle(10%Imax): [C0/180]Left=73.1 Right=70.4

[C90/270]Left=76.9 Right=75.3



Equipment:
Temperature(°C): -1.0

Date:
Humidity(%): -1.0%

Operator:
Distance(m): 14.53

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1157.320	.000	.000	.000%	.000%
1.0	1157.382	1.108	1.108	.000%	.000%
2.0	1155.443	3.320	4.427	.000%	.000%
3.0	1156.302	5.529	9.956	.000%	.000%
4.0	1154.179	7.734	17.690	.000%	.000%
5.0	1152.026	9.921	27.611	.000%	.000%
6.0	1149.132	12.093	39.704	.000%	.000%
7.0	1146.535	14.249	53.954	.000%	.000%
8.0	1141.874	16.378	70.331	.000%	.000%
9.0	1137.799	18.476	88.807	.000%	.000%
10.0	1135.539	20.573	109.380	.000%	.000%
11.0	1131.606	22.653	132.033	.000%	.000%
12.0	1127.584	24.696	156.729	.000%	.000%
13.0	1123.450	26.714	183.443	.000%	.000%
14.0	1119.159	28.705	212.149	.000%	.000%
15.0	1113.430	30.650	242.799	.000%	.000%
16.0	1109.723	32.575	275.374	.000%	.000%
17.0	1104.617	34.483	309.857	.000%	.000%
18.0	1098.641	36.327	346.184	.000%	.000%
19.0	1092.131	38.115	384.299	.000%	.000%
20.0	1086.089	39.867	424.167	.000%	.000%
21.0	1077.460	41.545	465.711	.000%	.000%
22.0	1070.142	43.157	508.868	.000%	.000%
23.0	1062.475	44.748	553.616	.000%	.000%
24.0	1055.681	46.310	599.927	.000%	.000%
25.0	1044.913	47.763	647.690	.000%	.000%
26.0	1035.680	49.113	696.802	.000%	.000%
27.0	1025.201	50.420	747.222	.000%	.000%
28.0	1014.846	51.650	798.872	.000%	.000%
29.0	1005.605	52.861	851.732	.000%	.000%
30.0	995.228	54.022	905.755	.000%	.000%
31.0	984.593	55.096	960.850	.000%	.000%
32.0	973.339	56.092	1016.942	.000%	.000%
33.0	961.667	57.006	1073.948	.000%	.000%
34.0	948.933	57.820	1131.769	.000%	.000%
35.0	935.608	58.527	1190.296	.000%	.000%
36.0	922.739	59.170	1249.466	.000%	.000%
37.0	910.514	59.790	1309.256	.000%	.000%

Equipment:
Temperature($^{\circ}$ C): -1.0

Date:
Humidity(%): -1.0%

Operator:
Distance(m): 14.53

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	896.213	60.306	1369.563	.000%	.000%
39.0	881.366	60.674	1430.236	.000%	.000%
40.0	866.173	60.948	1491.184	.000%	.000%
41.0	850.483	61.129	1552.313	.000%	.000%
42.0	833.162	61.170	1613.483	.000%	.000%
43.0	816.528	61.109	1674.593	.000%	.000%
44.0	798.830	60.968	1735.561	.000%	.000%
45.0	780.125	60.681	1796.242	.000%	.000%
46.0	760.975	60.269	1856.511	.000%	.000%
47.0	741.098	59.741	1916.252	.000%	.000%
48.0	721.320	59.119	1975.371	.000%	.000%
49.0	700.130	58.373	2033.743	.000%	.000%
50.0	678.092	57.463	2091.206	.000%	.000%
51.0	656.013	56.444	2147.650	.000%	.000%
52.0	633.333	55.327	2202.977	.000%	.000%
53.0	610.219	54.094	2257.072	.000%	.000%
54.0	585.978	52.723	2309.795	.000%	.000%
55.0	561.951	51.242	2361.037	.000%	.000%
56.0	537.498	49.681	2410.718	.000%	.000%
57.0	512.709	48.018	2458.736	.000%	.000%
58.0	488.115	46.282	2505.017	.000%	.000%
59.0	463.967	44.510	2549.528	.000%	.000%
60.0	440.566	42.733	2592.261	.000%	.000%
61.0	417.595	40.953	2633.214	.000%	.000%
62.0	395.566	39.183	2672.397	.000%	.000%
63.0	372.927	37.376	2709.773	.000%	.000%
64.0	351.038	35.525	2745.298	.000%	.000%
65.0	329.685	33.688	2778.986	.000%	.000%
66.0	307.614	31.797	2810.783	.000%	.000%
67.0	285.258	29.811	2840.594	.000%	.000%
68.0	263.087	27.777	2868.372	.000%	.000%
69.0	239.662	25.648	2894.020	.000%	.000%
70.0	217.227	23.465	2917.484	.000%	.000%
71.0	195.730	21.344	2938.828	.000%	.000%
72.0	171.396	19.089	2957.917	.000%	.000%
73.0	146.518	16.625	2974.542	.000%	.000%
74.0	119.798	14.001	2988.543	.000%	.000%
75.0	95.441	11.372	2999.915	.000%	.000%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	73.408	8.963	3008.878	.000%	.000%
77.0	54.793	6.835	3015.713	.000%	.000%
78.0	40.876	5.121	3020.835	.000%	.000%
79.0	28.886	3.748	3024.583	.000%	.000%
80.0	19.579	2.613	3027.196	.000%	.000%
81.0	12.873	1.755	3028.951	.000%	.000%
82.0	7.973	1.130	3030.081	.000%	.000%
83.0	4.507	.678	3030.760	.000%	.000%
84.0	2.907	.404	3031.163	.000%	.000%
85.0	2.215	.280	3031.443	.000%	.000%
86.0	1.705	.214	3031.657	.000%	.000%
87.0	1.081	.152	3031.810	.000%	.000%
88.0	.291	.075	3031.885	.000%	.000%
89.0	.018	.017	3031.902	.000%	.000%
90.0	.000	.001	3031.903	.000%	.000%
91.0	.000	.000	3031.903	.000%	.000%
92.0	.000	.000	3031.903	.000%	.000%
93.0	.000	.000	3031.903	.000%	.000%
94.0	.000	.000	3031.903	.000%	.000%
95.0	.000	.000	3031.903	.000%	.000%
96.0	.000	.000	3031.903	.000%	.000%
97.0	.000	.000	3031.903	.000%	.000%
98.0	.000	.000	3031.903	.000%	.000%
99.0	.000	.000	3031.903	.000%	.000%
100.0	.002	.000	3031.903	.000%	.000%
101.0	.007	.000	3031.903	.000%	.000%
102.0	.015	.001	3031.904	.000%	.000%
103.0	.024	.002	3031.906	.000%	.000%
104.0	.028	.003	3031.909	.000%	.000%
105.0	.041	.004	3031.913	.000%	.000%
106.0	.055	.005	3031.918	.000%	.000%
107.0	.103	.008	3031.926	.000%	.000%
108.0	.135	.012	3031.938	.000%	.000%
109.0	.153	.015	3031.953	.000%	.000%
110.0	.183	.017	3031.971	.000%	.000%
111.0	.210	.020	3031.991	.000%	.000%
112.0	.243	.023	3032.014	.000%	.000%
113.0	.265	.026	3032.040	.000%	.000%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	.286	.028	3032.067	.000%	.000%
115.0	.334	.031	3032.098	.000%	.000%
116.0	.364	.035	3032.133	.000%	.000%
117.0	.388	.037	3032.170	.000%	.000%
118.0	.405	.039	3032.208	.000%	.000%
119.0	.427	.040	3032.249	.000%	.000%
120.0	.449	.042	3032.290	.000%	.000%
121.0	.462	.043	3032.333	.000%	.000%
122.0	.484	.044	3032.377	.000%	.000%
123.0	.511	.046	3032.423	.000%	.000%
124.0	.544	.048	3032.472	.000%	.000%
125.0	.588	.051	3032.523	.000%	.000%
126.0	.610	.053	3032.576	.000%	.000%
127.0	.644	.055	3032.632	.000%	.000%
128.0	.666	.057	3032.688	.000%	.000%
129.0	.695	.058	3032.747	.000%	.000%
130.0	.718	.060	3032.807	.000%	.000%
131.0	.737	.061	3032.867	.000%	.000%
132.0	.753	.061	3032.928	.000%	.000%
133.0	.774	.062	3032.990	.000%	.000%
134.0	.789	.062	3033.052	.000%	.000%
135.0	.791	.062	3033.114	.000%	.000%
136.0	.809	.061	3033.176	.000%	.000%
137.0	.826	.062	3033.238	.000%	.000%
138.0	.848	.062	3033.300	.000%	.000%
139.0	.869	.062	3033.362	.000%	.000%
140.0	.891	.063	3033.425	.000%	.000%
141.0	.923	.063	3033.488	.000%	.000%
142.0	.968	.065	3033.552	.000%	.000%
143.0	.993	.065	3033.618	.000%	.000%
144.0	1.024	.066	3033.683	.000%	.000%
145.0	1.048	.066	3033.749	.000%	.000%
146.0	1.088	.066	3033.816	.000%	.000%
147.0	1.104	.066	3033.882	.000%	.000%
148.0	1.124	.066	3033.948	.000%	.000%
149.0	1.151	.065	3034.013	.000%	.000%
150.0	1.166	.064	3034.077	.000%	.000%
151.0	1.181	.063	3034.141	.000%	.000%

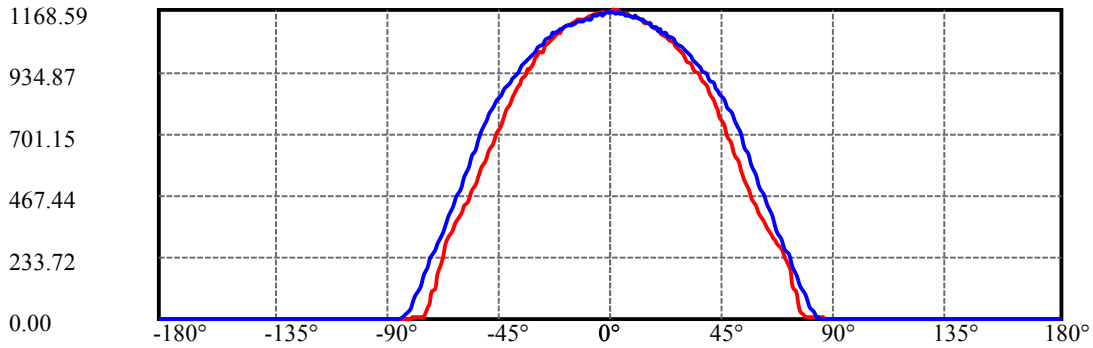
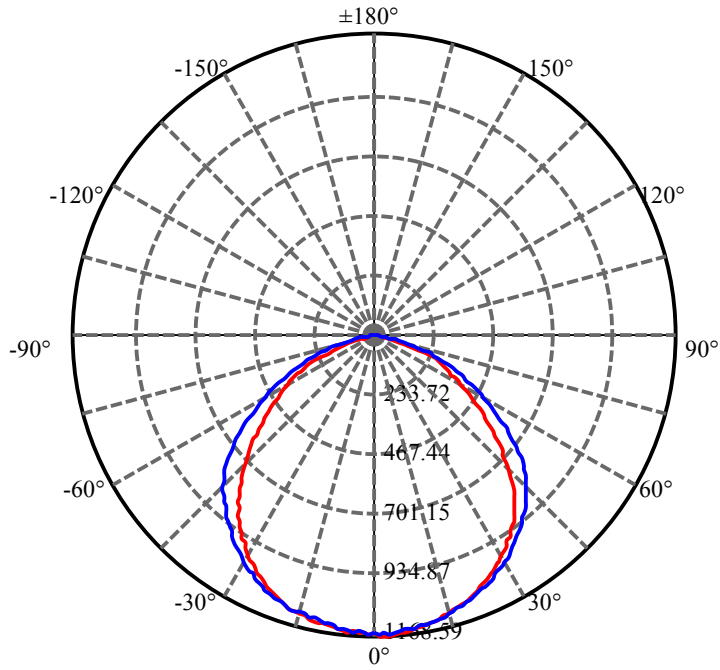
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	1.188	.062	3034.203	.000%	.000%
153.0	1.193	.060	3034.263	.000%	.000%
154.0	1.201	.059	3034.322	.000%	.000%
155.0	1.211	.057	3034.378	.000%	.000%
156.0	1.222	.055	3034.434	.000%	.000%
157.0	1.237	.054	3034.488	.000%	.000%
158.0	1.247	.052	3034.540	.000%	.000%
159.0	1.267	.051	3034.590	.000%	.000%
160.0	1.276	.049	3034.639	.000%	.000%
161.0	1.294	.047	3034.686	.000%	.000%
162.0	1.328	.046	3034.732	.000%	.000%
163.0	1.351	.044	3034.776	.000%	.000%
164.0	1.383	.043	3034.818	.000%	.000%
165.0	1.428	.041	3034.860	.000%	.000%
166.0	1.477	.040	3034.899	.000%	.000%
167.0	1.519	.038	3034.938	.000%	.000%
168.0	1.549	.036	3034.974	.000%	.000%
169.0	1.587	.034	3035.008	.000%	.000%
170.0	1.636	.032	3035.041	.000%	.000%
171.0	1.671	.030	3035.071	.000%	.000%
172.0	1.706	.027	3035.098	.000%	.000%
173.0	1.729	.025	3035.123	.000%	.000%
174.0	1.757	.022	3035.144	.000%	.000%
175.0	1.794	.019	3035.163	.000%	.000%
176.0	1.809	.016	3035.178	.000%	.000%
177.0	1.807	.012	3035.190	.000%	.000%
178.0	1.806	.009	3035.199	.000%	.000%
179.0	1.800	.005	3035.204	.000%	.000%
180.0	1.610	.002	3035.206	.000%	.000%

ZONAL LUMEN SUMMARY

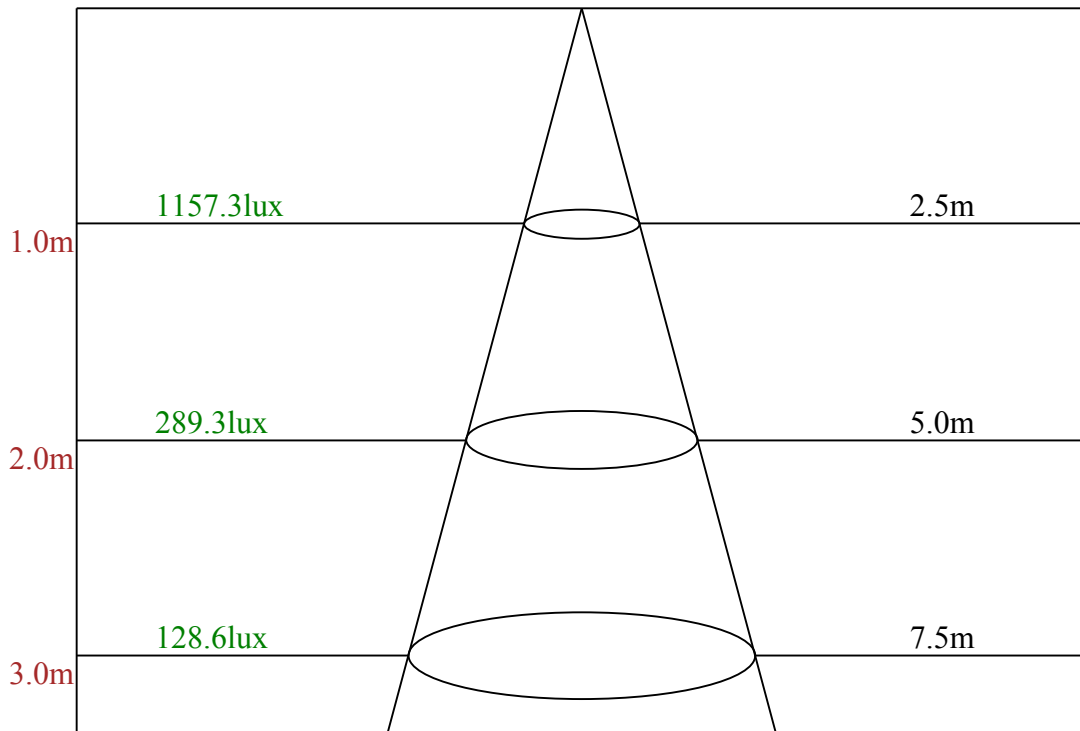
Zone	Lumens	%Lamp	%Fixt
0-30	905.75	N.A.	29.84%
0-40	1491.18	N.A.	49.13%
0-60	2592.26	N.A.	85.41%
0-90	3031.90	N.A.	99.89%
0-120	3032.29	N.A.	99.90%
0-180	3035.21	N.A.	100.00%
60-90	482.38	N.A.	15.89%
90-120	0.39	N.A.	0.01%
90-130	0.91	N.A.	0.03%
90-150	2.18	N.A.	0.07%
90-180	3.30	N.A.	0.11%
0-56.36	2428.17	N.A.	80.00%

ZONAL LUMEN SUMMARY

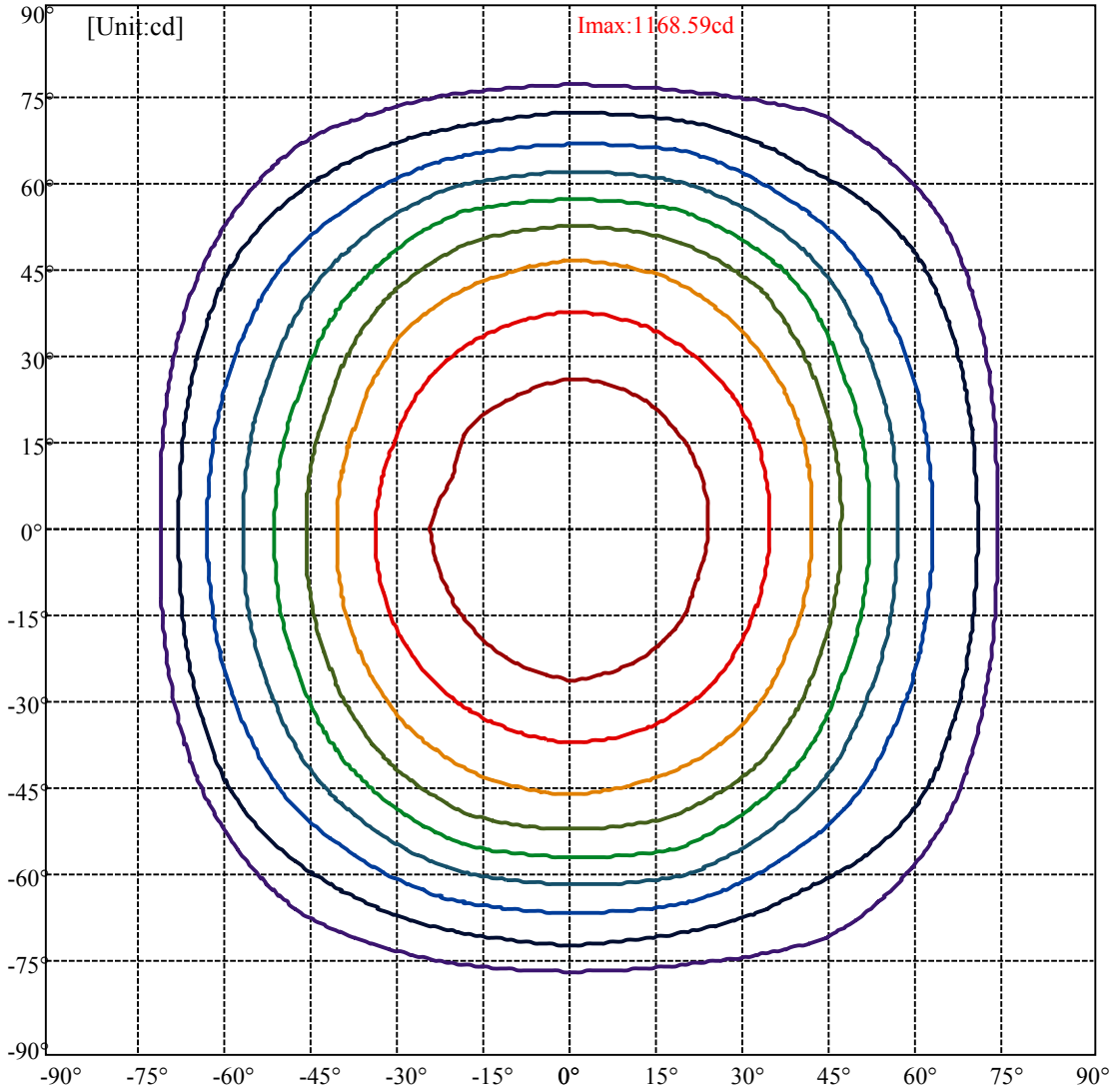
0-10	109.38
10-20	314.79
20-30	481.59
30-40	585.43
40-50	600.02
50-60	501.05
60-70	325.22
70-80	109.71
80-90	4.71
90-100	0.00
100-110	0.07
110-120	0.32
120-130	0.52
130-140	0.62
140-150	0.65
150-160	0.56
160-170	0.40
170-180	0.16



C0/C180: —
C90/C270: —



Beam angle of C0plane102.32

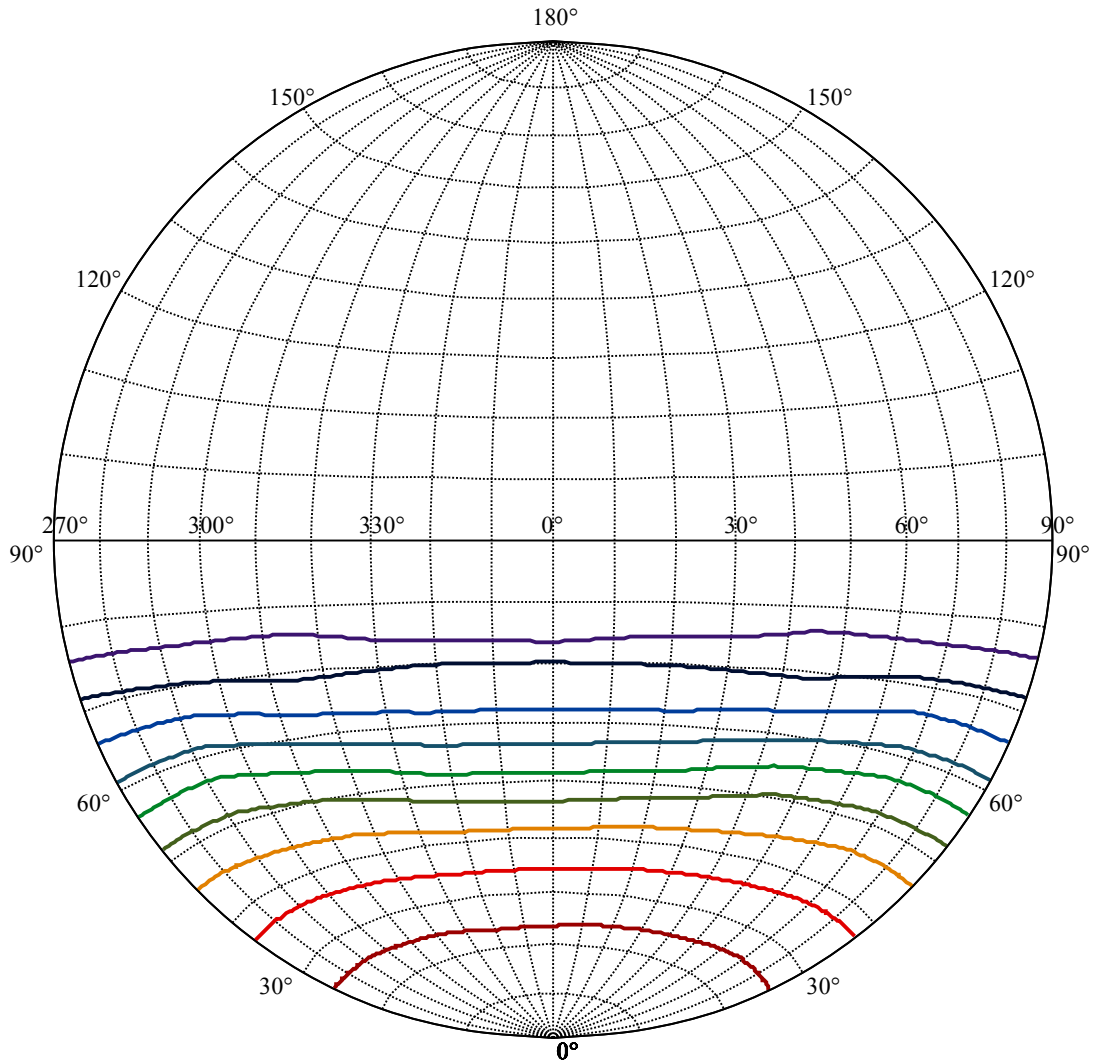


(10%Imax) 116.859	—
(20%Imax) 233.718	—
(30%Imax) 350.577	—
(40%Imax) 467.436	—
(50%Imax) 584.295	—
(60%Imax) 701.154	—
(70%Imax) 818.013	—
(80%Imax) 934.872	—
(90%Imax) 1051.73	—

Equipment:
Temperature(°C): -1.0

Date:
Humidity(%): -1.0%

Operator:
Distance(m): 14.53



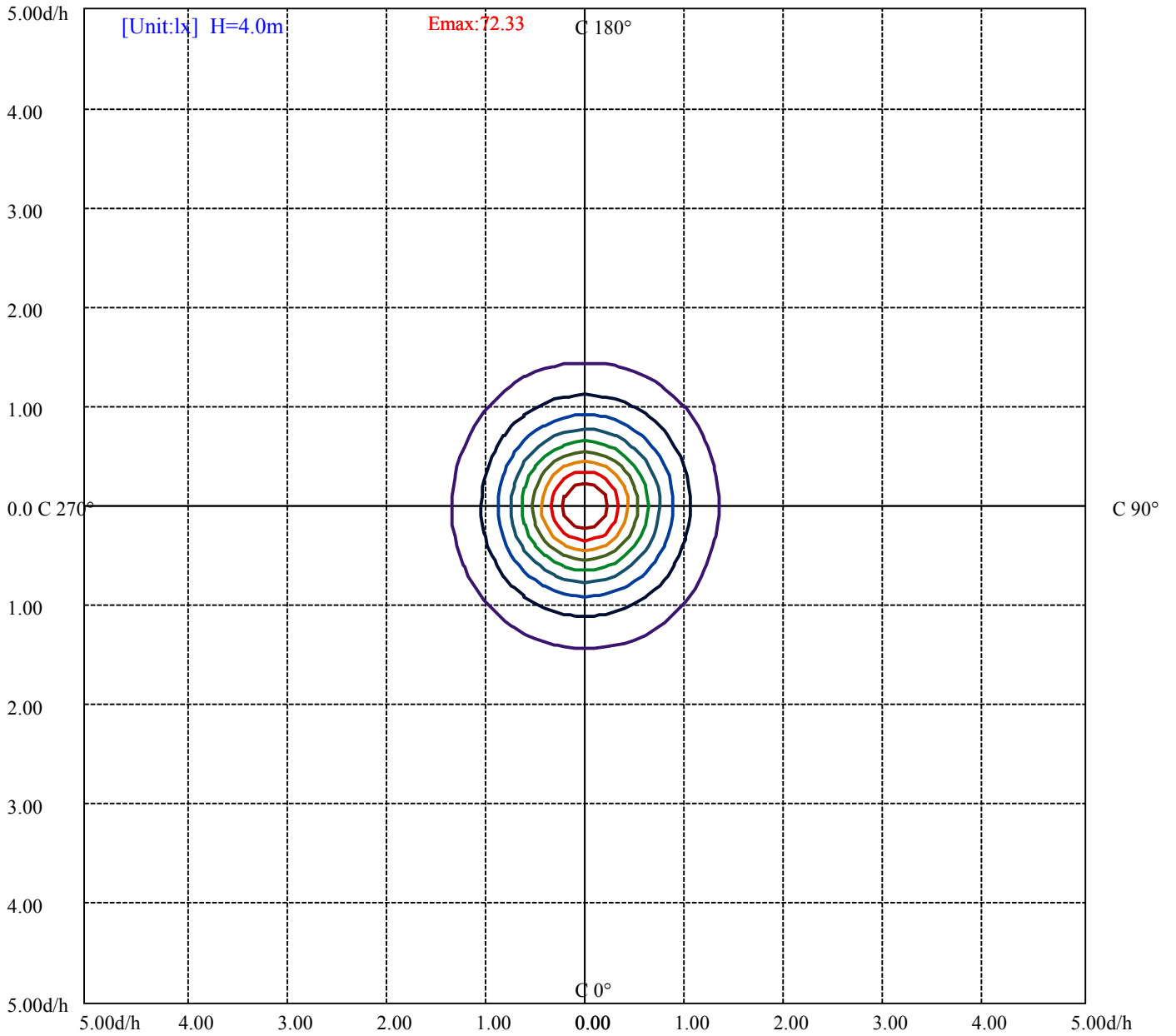
House

[Unit:cd]

Road

Imax:1168.59

(10%Imax)	116.859	
(20%Imax)	233.718	
(30%Imax)	350.577	
(40%Imax)	467.436	
(50%Imax)	584.295	
(60%Imax)	701.154	
(70%Imax)	818.013	
(80%Imax)	934.872	
(90%Imax)	1051.73	

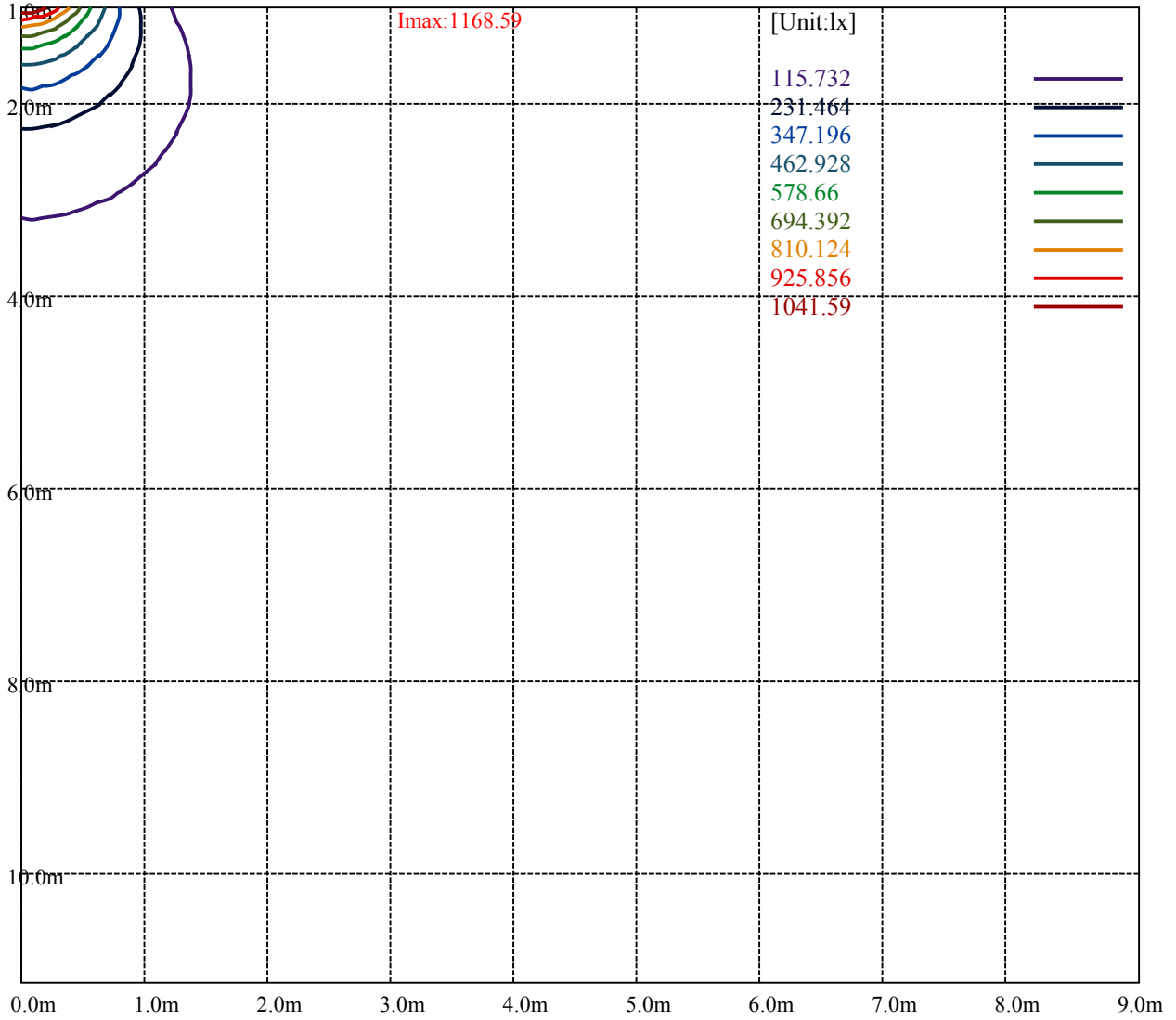


- (10%Emax) 7.23325
- (20%Emax) 14.4665
- (30%Emax) 21.69975
- (40%Emax) 28.933
- (50%Emax) 36.16625
- (60%Emax) 43.3995
- (70%Emax) 50.63275
- (80%Emax) 57.866
- (90%Emax) 65.09937

Equipment:
Temperature(°C): -1.0

Date:
Humidity(%): -1.0%

Operator:
Distance(m): 14.53



ASD LIGHTING CORP

Intensity data(cd)

Page: 14 Total:20

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	1157.32	1167.74	1166.36	1168.59	1164.71	1156.25	1157.31	1156.84	1149.57
22.5	1157.32	1161.63	1156.61	1166.59	1163.87	1163.45	1166.32	1148.85	1143.58
45.0	1157.32	1154.11	1151.97	1153.08	1147.89	1146.43	1142.77	1146.92	1134.58
67.5	1157.32	1156.24	1148.64	1152.23	1154.57	1151.38	1148.32	1144.92	1144.71
90.0	1157.32	1164.08	1152.53	1161.74	1156.22	1153.41	1147.55	1147.39	1146.73
112.5	1157.32	1156.72	1156.81	1152.08	1147.32	1146.98	1143.75	1144.66	1137.71
135.0	1157.32	1163.28	1155.41	1157.75	1161.06	1152.47	1156.82	1146.10	1145.98
157.5	1157.32	1151.72	1155.19	1157.74	1143.69	1152.92	1146.76	1139.58	1137.32
180.0	1157.32	1159.94	1151.51	1157.86	1150.71	1156.80	1151.18	1147.36	1144.18
202.5	1157.32	1159.55	1162.53	1156.72	1157.27	1153.87	1153.16	1150.30	1147.57
225.0	1157.32	1151.60	1150.33	1144.35	1145.90	1139.73	1137.89	1135.33	1135.22
247.5	1157.32	1156.37	1152.77	1153.25	1149.89	1146.98	1144.70	1137.83	1135.44
270.0	1157.32	1160.29	1156.32	1149.63	1155.88	1147.52	1144.03	1146.33	1135.88
292.5	1157.32	1150.23	1153.53	1154.13	1154.47	1146.60	1144.00	1142.05	1139.25
315.0	1157.32	1155.74	1157.54	1158.20	1154.48	1159.05	1154.71	1158.89	1149.58
337.5	1157.32	1148.87	1159.04	1156.90	1158.93	1158.58	1146.85	1151.21	1142.68
360.0	1157.32	1167.74	1166.36	1168.59	1164.71	1156.25	1157.31	1156.84	1149.57
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1142.89	1142.10	1138.73	1131.38	1126.78	1118.50	1120.58	1110.80	1106.83
22.5	1135.18	1142.91	1136.95	1125.75	1127.28	1122.82	1115.44	1111.82	1104.44
45.0	1131.76	1129.83	1128.88	1121.75	1110.66	1116.92	1108.38	1106.19	1101.62
67.5	1143.23	1143.07	1135.39	1133.56	1125.95	1122.40	1123.44	1117.81	1109.51
90.0	1138.81	1143.93	1136.56	1131.49	1130.19	1125.47	1118.53	1116.65	1106.26
112.5	1133.48	1133.75	1132.16	1132.55	1128.06	1124.72	1119.69	1116.85	1108.45
135.0	1142.92	1136.77	1134.66	1131.25	1121.88	1122.13	1109.76	1109.48	1104.55
157.5	1131.18	1131.60	1121.71	1119.74	1115.63	1109.01	1100.84	1097.99	1097.26
180.0	1140.99	1135.90	1133.69	1132.20	1128.77	1121.80	1116.95	1113.87	1110.99
202.5	1145.64	1140.98	1130.90	1125.37	1119.97	1120.48	1114.54	1104.10	1100.80
225.0	1134.21	1124.77	1123.09	1122.87	1117.49	1114.05	1106.28	1099.78	1094.65
247.5	1136.56	1135.47	1131.50	1128.97	1123.02	1115.52	1112.53	1103.88	1106.68
270.0	1129.10	1131.60	1125.91	1122.08	1123.28	1115.72	1112.98	1111.43	1111.39
292.5	1140.79	1135.17	1134.26	1138.26	1126.51	1121.37	1117.22	1114.56	1109.55
315.0	1142.49	1133.58	1134.87	1130.16	1127.17	1116.72	1108.20	1114.98	1099.77
337.5	1135.56	1127.19	1126.44	1113.97	1122.56	1118.91	1109.52	1105.38	1101.12
360.0	1142.89	1142.10	1138.73	1131.38	1126.78	1118.50	1120.58	1110.80	1106.83
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1099.58	1094.05	1084.18	1075.16	1065.60	1056.93	1049.06	1044.61	1029.60
22.5	1100.85	1092.95	1086.44	1079.63	1072.52	1064.02	1055.01	1041.99	1035.31
45.0	1096.62	1097.16	1089.90	1081.34	1070.34	1066.49	1059.50	1048.39	1039.68
67.5	1105.14	1097.90	1090.27	1089.42	1080.20	1069.10	1066.76	1060.62	1046.90
90.0	1100.99	1090.71	1095.59	1083.05	1079.45	1070.32	1068.05	1059.14	1048.33
112.5	1105.93	1093.69	1088.05	1079.42	1076.13	1067.26	1058.73	1045.31	1038.31
135.0	1096.12	1090.85	1089.31	1074.06	1072.87	1062.19	1055.92	1038.33	1034.98
157.5	1087.48	1080.76	1068.86	1064.55	1049.61	1040.80	1035.09	1023.89	1013.19
180.0	1103.70	1093.42	1084.93	1079.02	1067.57	1060.86	1050.22	1036.32	1029.08
202.5	1091.71	1086.07	1076.10	1072.13	1063.00	1054.64	1044.54	1037.97	1027.10
225.0	1086.75	1084.23	1073.68	1068.18	1060.82	1056.61	1047.99	1036.05	1030.75
247.5	1101.97	1096.37	1086.75	1077.41	1077.52	1063.25	1058.54	1048.94	1036.41
270.0	1102.24	1096.06	1095.84	1089.31	1081.89	1078.59	1067.28	1057.09	1052.62
292.5	1100.11	1101.78	1095.20	1085.45	1073.53	1065.80	1061.94	1058.13	1042.55
315.0	1103.64	1091.67	1095.77	1075.22	1073.00	1065.96	1065.93	1045.11	1038.19
337.5	1095.43	1086.42	1076.55	1066.01	1058.22	1056.78	1046.34	1036.72	1027.88
360.0	1099.58	1094.05	1084.18	1075.16	1065.60	1056.93	1049.06	1044.61	1029.60

Equipment:
Temperature(°C): -1.0

Date:
Humidity(%): -1.0%

Operator:
Distance(m): 14.53

ASD LIGHTING CORP

Intensity data(cd)

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1024.19	1007.21	1003.04	988.15	976.15	963.85	948.94	939.48	925.74
22.5	1026.82	1010.70	1004.05	995.05	983.25	972.21	962.69	948.86	935.85
45.0	1029.93	1020.97	1011.55	1001.99	988.84	981.39	968.86	957.69	942.73
67.5	1037.63	1026.76	1021.36	1012.58	1001.37	991.29	979.45	967.95	958.63
90.0	1039.81	1030.11	1023.98	1012.96	1006.09	995.99	979.43	969.16	958.09
112.5	1028.56	1020.89	1012.33	1006.61	993.93	981.39	971.36	958.34	949.62
135.0	1025.68	1014.08	1004.61	992.35	984.46	971.33	962.92	947.03	931.87
157.5	1006.98	996.09	990.59	974.55	965.61	955.88	936.45	922.00	903.37
180.0	1010.66	1005.62	993.25	983.77	968.01	946.41	941.30	921.66	908.39
202.5	1015.48	1001.59	992.84	980.87	968.63	956.06	947.60	930.72	915.02
225.0	1017.64	1008.80	991.77	984.15	975.79	962.48	947.78	940.93	927.07
247.5	1024.49	1013.58	1006.30	994.18	985.30	975.44	966.89	954.41	940.19
270.0	1039.54	1032.84	1021.31	1011.91	1000.12	990.23	978.41	969.69	957.18
292.5	1029.98	1022.21	1013.55	1004.39	990.67	985.18	977.16	966.71	948.42
315.0	1030.58	1019.71	1006.34	998.48	990.58	981.98	966.97	947.76	941.47
337.5	1015.24	1006.38	992.81	981.66	974.68	962.31	950.46	940.54	926.08
360.0	1024.19	1007.21	1003.04	988.15	976.15	963.85	948.94	939.48	925.74
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	912.15	900.46	883.09	867.67	849.87	828.40	808.64	787.78	765.02
22.5	924.94	908.13	897.97	882.97	870.41	848.47	831.86	810.45	790.97
45.0	932.07	918.19	902.42	889.54	874.34	862.09	847.06	830.79	816.35
67.5	941.91	933.01	927.69	910.31	898.77	884.44	873.87	856.50	844.11
90.0	949.51	937.81	928.28	912.02	901.34	890.81	874.01	860.60	847.59
112.5	934.90	927.06	910.14	899.92	885.48	871.22	854.06	840.96	825.63
135.0	922.78	908.26	895.48	877.27	861.92	850.30	832.37	818.75	801.45
157.5	892.49	878.54	859.63	843.38	823.48	804.09	779.69	762.76	736.94
180.0	889.08	875.46	851.61	837.05	813.80	793.83	770.62	750.13	726.64
202.5	901.37	887.95	872.14	853.87	835.15	813.72	792.68	771.36	750.19
225.0	913.54	902.06	888.94	872.09	860.40	842.96	827.02	813.51	796.88
247.5	927.89	916.69	905.21	893.23	881.37	866.95	851.52	836.57	823.68
270.0	942.16	929.89	918.08	906.57	891.67	879.24	869.12	856.34	842.60
292.5	938.00	929.54	911.02	897.87	883.06	874.58	858.88	841.46	827.05
315.0	929.29	915.76	901.11	888.22	875.30	863.61	844.24	830.81	813.57
337.5	911.74	899.41	886.60	869.87	852.41	833.02	814.95	795.68	772.61
360.0	912.15	900.46	883.09	867.67	849.87	828.40	808.64	787.78	765.02
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	741.41	717.07	686.32	667.03	639.94	613.80	594.19	568.10	544.86
22.5	768.65	742.12	719.04	692.92	665.69	641.02	617.41	592.67	567.84
45.0	799.34	785.43	768.27	752.84	734.33	713.91	692.95	670.49	643.47
67.5	827.83	813.37	793.96	777.29	761.75	737.38	717.54	697.56	677.71
90.0	835.76	819.45	800.71	782.39	766.34	745.97	721.28	701.78	674.42
112.5	808.62	797.06	778.57	761.64	748.24	726.00	707.70	685.87	667.82
135.0	779.52	762.10	740.05	716.50	694.04	672.31	645.59	620.56	594.62
157.5	714.78	691.95	669.43	646.89	624.37	602.23	575.98	559.30	539.95
180.0	705.66	682.59	659.14	639.16	616.89	596.48	575.09	551.76	530.41
202.5	726.54	702.95	680.62	658.90	634.78	614.30	592.44	568.44	546.89
225.0	776.34	760.24	740.08	718.65	694.38	672.61	651.27	628.34	600.31
247.5	809.26	791.94	776.97	763.50	742.83	720.87	706.25	679.74	658.68
270.0	827.24	810.59	796.43	777.66	755.82	737.81	712.00	689.26	667.78
292.5	812.16	796.86	782.22	765.61	751.26	729.26	711.40	691.59	671.55
315.0	797.09	776.08	763.19	740.96	721.02	697.90	672.61	650.18	621.86
337.5	751.80	725.80	702.57	679.18	650.40	627.62	602.50	577.69	555.34
360.0	741.41	717.07	686.32	667.03	639.94	613.80	594.19	568.10	544.86

Equipment:
Temperature(°C): -1.0

Date:
Humidity(%): -1.0%

Operator:
Distance(m): 14.53

ASD LIGHTING CORP

Intensity data(cd)

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	521.88	495.85	473.51	448.68	427.77	407.40	389.21	371.96	355.83
22.5	544.86	521.71	498.87	474.06	447.20	422.85	398.30	378.21	358.84
45.0	616.71	590.57	560.74	533.23	505.89	479.19	452.10	425.30	399.81
67.5	651.92	629.30	604.51	579.25	554.51	525.84	501.79	475.72	451.75
90.0	648.00	625.24	595.86	571.39	542.96	517.64	493.60	472.87	452.65
112.5	644.28	625.06	596.86	568.65	542.00	515.36	486.47	460.39	435.37
135.0	567.44	543.67	519.20	494.81	471.68	448.42	423.82	400.89	376.48
157.5	518.68	495.14	472.55	450.04	429.04	410.57	391.26	371.43	351.94
180.0	508.51	487.39	467.74	446.38	428.42	407.86	389.80	371.76	353.51
202.5	524.71	501.93	480.54	456.90	435.43	415.95	394.68	374.19	353.85
225.0	575.43	551.40	526.64	500.40	475.80	451.14	427.17	401.30	377.23
247.5	637.70	611.21	587.12	562.13	536.02	506.54	480.99	454.64	432.15
270.0	641.49	613.88	589.30	562.84	536.84	511.47	488.01	464.76	442.64
292.5	648.68	625.14	604.83	579.62	554.04	527.97	502.45	476.57	449.45
315.0	595.29	567.36	540.08	514.23	487.08	461.18	436.49	408.66	384.01
337.5	530.06	506.37	481.62	460.74	435.16	414.09	392.91	372.87	353.55
360.0	521.88	495.85	473.51	448.68	427.77	407.40	389.21	371.96	355.83
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	338.21	321.84	306.31	294.78	280.24	265.56	253.65	234.40	204.62
22.5	339.98	322.54	305.41	288.87	273.70	260.13	244.61	230.34	219.17
45.0	373.04	347.18	322.15	297.84	273.81	252.50	233.34	214.19	195.72
67.5	427.68	405.69	383.48	359.26	332.77	306.60	284.08	259.57	237.36
90.0	426.10	400.30	375.46	350.90	329.05	306.65	284.76	263.41	244.78
112.5	409.43	385.71	360.76	332.02	305.12	280.91	257.81	235.94	210.85
135.0	352.52	331.42	309.12	287.32	268.75	248.47	228.35	211.51	193.14
157.5	333.97	315.90	298.94	278.09	258.69	236.91	188.16	159.96	129.53
180.0	334.56	315.07	294.51	273.33	235.02	189.21	168.74	119.59	99.26
202.5	334.73	315.31	296.51	275.46	255.82	234.46	186.58	157.14	126.60
225.0	352.10	330.09	306.36	282.69	261.77	242.52	222.14	202.83	183.52
247.5	408.33	383.99	358.84	332.11	306.90	283.65	260.95	237.49	214.93
270.0	417.76	392.97	369.76	347.32	323.32	301.02	280.30	260.45	242.08
292.5	424.07	397.16	371.94	344.69	316.75	291.57	265.06	241.88	218.52
315.0	359.04	334.25	312.68	289.35	267.11	247.84	229.61	213.66	198.51
337.5	335.31	317.18	302.73	287.80	275.31	261.39	246.45	233.27	213.09
360.0	338.21	321.84	306.31	294.78	280.24	265.56	253.65	234.40	204.62
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	180.70	126.63	99.94	61.41	29.39	13.29	9.88	8.19	7.46
22.5	197.62	167.32	146.09	98.62	60.41	30.74	12.44	10.15	7.43
45.0	178.14	163.46	149.82	137.51	123.06	103.55	79.44	48.88	27.59
67.5	213.28	191.61	165.54	139.21	115.74	95.52	75.06	60.39	42.51
90.0	224.00	193.61	165.12	142.12	122.15	101.34	83.70	61.88	42.37
112.5	189.98	170.84	148.94	125.97	104.89	87.35	70.83	55.48	40.79
135.0	173.49	152.03	113.02	93.34	59.55	35.91	18.40	6.15	4.86
157.5	93.58	62.95	40.51	10.99	8.02	6.24	4.89	4.33	3.86
180.0	56.58	39.95	10.41	8.60	6.48	5.12	4.58	4.07	3.60
202.5	91.61	62.06	39.12	9.88	7.20	5.24	3.86	3.24	2.71
225.0	165.11	145.34	107.66	86.68	56.15	32.38	15.65	5.20	3.49
247.5	193.36	173.45	148.46	125.67	101.45	80.46	65.07	46.50	32.15
270.0	221.67	194.30	166.54	140.38	114.34	94.69	77.00	56.75	38.55
292.5	194.99	172.70	152.07	129.61	107.09	86.32	69.08	57.01	40.37
315.0	183.88	167.88	154.28	138.80	112.32	80.36	52.92	26.08	8.40
337.5	184.35	160.16	109.25	78.26	46.28	18.18	11.21	7.87	7.12
360.0	180.70	126.63	99.94	61.41	29.39	13.29	9.88	8.19	7.46

Equipment:
Temperature(°C): -1.0

Date:
Humidity(%): -1.0%

Operator:
Distance(m): 14.53

ASD LIGHTING CORP

Intensity data(cd)

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	6.75	6.16	5.71	5.06	3.88	3.27	1.52	0.00	0.18
22.5	6.63	5.75	5.11	4.63	3.88	2.86	2.35	0.30	0.00
45.0	11.61	6.38	4.68	3.72	2.90	2.35	1.63	1.18	0.00
67.5	29.04	18.76	10.29	4.53	2.90	2.27	1.53	0.67	0.00
90.0	27.58	15.44	6.40	2.60	1.88	1.48	0.85	0.38	0.01
112.5	24.42	11.75	4.46	2.38	1.82	1.37	0.66	0.23	0.08
135.0	3.63	3.05	2.47	1.81	1.32	0.91	0.79	0.74	0.01
157.5	3.37	2.86	2.42	1.98	1.53	1.41	1.33	0.44	0.00
180.0	3.13	2.67	2.28	1.64	1.51	1.40	1.18	0.01	0.00
202.5	2.30	1.90	1.54	1.08	0.88	0.79	0.71	0.00	0.00
225.0	2.48	1.88	1.36	0.86	0.55	0.30	0.27	0.16	0.00
247.5	20.05	9.99	3.87	2.24	1.66	1.00	0.28	0.06	0.00
270.0	24.65	13.69	5.20	2.45	1.74	1.26	0.49	0.00	0.00
292.5	27.79	16.57	6.98	3.38	2.44	1.64	0.75	0.24	0.00
315.0	6.18	4.95	4.12	3.43	2.87	2.13	1.50	0.24	0.00
337.5	6.36	5.77	5.22	4.72	3.68	2.84	1.45	0.00	0.00
360.0	6.75	6.16	5.71	5.06	3.88	3.27	1.52	0.00	0.18
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.06
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
45.0	0.00	0.00	0.00	0.00	0.05	0.05	0.08	0.11	0.14
67.5	0.00	0.03	0.03	0.08	0.11	0.14	0.14	0.16	0.22
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.13
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.22
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.16
270.0	0.00	0.00	0.05	0.08	0.14	0.14	0.22	0.22	0.27
292.5	0.00	0.00	0.03	0.08	0.08	0.08	0.16	0.14	0.22
315.0	0.00	0.00	0.00	0.00	0.00	0.03	0.05	0.06	0.11
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.03
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.06

Equipment:
Temperature(°C): -1.0

Date:
Humidity(%): -1.0%

Operator:
Distance(m): 14.53

ASD LIGHTING CORP

Intensity data(cd)

C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	0.11	0.11	0.11	0.11	0.16	0.19	0.19	0.25	0.30
22.5	0.11	0.08	0.08	0.11	0.16	0.19	0.22	0.22	0.25
45.0	0.14	0.19	0.19	0.25	0.30	0.33	0.35	0.33	0.35
67.5	0.27	0.30	0.35	0.38	0.44	0.46	0.49	0.54	0.60
90.0	0.24	0.30	0.30	0.33	0.35	0.33	0.33	0.33	0.38
112.5	0.32	0.33	0.35	0.35	0.38	0.35	0.35	0.43	0.43
135.0	0.00	0.03	0.16	0.25	0.27	0.30	0.33	0.33	0.35
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.19
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.19	0.25
202.5	0.00	0.00	0.00	0.00	0.00	0.08	0.08	0.27	0.30
225.0	0.00	0.05	0.16	0.22	0.24	0.32	0.30	0.30	0.30
247.5	0.24	0.22	0.27	0.27	0.30	0.33	0.35	0.43	0.43
270.0	0.30	0.33	0.38	0.41	0.46	0.46	0.49	0.54	0.57
292.5	0.24	0.27	0.30	0.35	0.41	0.44	0.52	0.54	0.54
315.0	0.11	0.16	0.17	0.22	0.27	0.30	0.30	0.30	0.35
337.5	0.08	0.08	0.11	0.11	0.14	0.16	0.16	0.24	0.24
360.0	0.11	0.11	0.11	0.11	0.16	0.19	0.19	0.25	0.30
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	0.30	0.30	0.36	0.38	0.41	0.44	0.49	0.55	0.58
22.5	0.27	0.33	0.33	0.36	0.38	0.44	0.49	0.52	0.58
45.0	0.38	0.38	0.38	0.41	0.41	0.46	0.49	0.52	0.52
67.5	0.57	0.60	0.60	0.60	0.62	0.63	0.65	0.68	0.68
90.0	0.38	0.43	0.52	0.60	0.65	0.65	0.68	0.68	0.73
112.5	0.43	0.43	0.43	0.49	0.46	0.49	0.54	0.65	0.68
135.0	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.44
157.5	0.30	0.30	0.30	0.30	0.35	0.35	0.38	0.41	0.46
180.0	0.25	0.25	0.30	0.30	0.30	0.30	0.35	0.38	0.52
202.5	0.30	0.30	0.30	0.30	0.30	0.36	0.33	0.38	0.44
225.0	0.30	0.30	0.30	0.30	0.30	0.33	0.33	0.38	0.46
247.5	0.49	0.49	0.54	0.60	0.60	0.62	0.71	0.68	0.68
270.0	0.63	0.68	0.71	0.76	0.74	0.79	0.76	0.79	0.82
292.5	0.60	0.60	0.62	0.62	0.65	0.63	0.68	0.73	0.76
315.0	0.38	0.41	0.46	0.46	0.46	0.47	0.52	0.55	0.57
337.5	0.27	0.33	0.33	0.35	0.41	0.43	0.43	0.46	0.49
360.0	0.30	0.30	0.36	0.38	0.41	0.44	0.49	0.55	0.58
C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	0.58	0.63	0.69	0.71	0.74	0.74	0.74	0.77	0.82
22.5	0.60	0.66	0.71	0.74	0.77	0.74	0.77	0.77	0.79
45.0	0.57	0.57	0.57	0.62	0.62	0.65	0.65	0.71	0.71
67.5	0.68	0.73	0.76	0.76	0.76	0.76	0.76	0.76	0.76
90.0	0.73	0.76	0.76	0.81	0.82	0.98	1.03	1.06	1.09
112.5	0.71	0.73	0.71	0.73	0.73	0.73	0.73	0.76	0.79
135.0	0.44	0.44	0.44	0.46	0.46	0.49	0.52	0.54	0.63
157.5	0.57	0.62	0.62	0.68	0.68	0.76	0.76	0.79	0.79
180.0	0.52	0.57	0.66	0.68	0.74	0.71	0.71	0.77	0.74
202.5	0.49	0.52	0.60	0.66	0.74	0.71	0.71	0.74	0.74
225.0	0.49	0.46	0.51	0.57	0.60	0.60	0.68	0.73	0.71
247.5	0.68	0.76	0.73	0.73	0.76	0.76	0.79	0.76	0.76
270.0	0.84	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
292.5	0.79	0.82	0.82	0.87	0.87	0.90	0.90	0.90	0.90
315.0	0.55	0.60	0.60	0.60	0.65	0.68	0.71	0.74	0.76
337.5	0.52	0.54	0.57	0.60	0.65	0.68	0.68	0.68	0.73
360.0	0.58	0.63	0.69	0.71	0.74	0.74	0.74	0.77	0.82

Equipment:
Temperature(°C): -1.0

Date:
Humidity(%): -1.0%

Operator:
Distance(m): 14.53

ASD LIGHTING CORP

Intensity data(cd)

C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	0.85	0.88	0.93	0.96	0.99	1.01	1.07	1.15	1.12
22.5	0.79	0.82	0.85	0.85	0.90	0.90	0.93	0.93	0.96
45.0	0.71	0.76	0.76	0.76	0.81	0.84	0.87	0.90	0.93
67.5	0.76	0.79	0.79	0.82	0.87	0.90	0.90	0.98	0.98
90.0	1.11	1.11	1.11	1.11	1.11	1.14	1.14	1.14	1.14
112.5	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.79	0.79
135.0	0.65	0.63	0.71	0.79	0.76	0.79	0.76	0.82	0.95
157.5	0.76	0.81	0.79	0.79	0.79	0.79	0.81	0.84	0.87
180.0	0.74	0.77	0.77	0.85	0.90	0.90	1.04	1.15	1.18
202.5	0.74	0.74	0.74	0.77	0.79	0.77	0.77	0.77	0.79
225.0	0.71	0.73	0.76	0.76	0.76	0.79	0.84	0.90	0.98
247.5	0.76	0.79	0.79	0.81	0.87	0.97	1.06	1.17	1.14
270.0	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.92
292.5	0.90	0.90	0.95	0.98	0.98	0.98	1.03	1.09	1.09
315.0	0.76	0.79	0.79	0.85	0.87	0.95	0.98	1.04	1.06
337.5	0.76	0.76	0.81	0.81	0.84	0.87	0.90	0.92	0.98
360.0	0.85	0.88	0.93	0.96	0.99	1.01	1.07	1.15	1.12
C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	1.18	1.21	1.23	1.23	1.23	1.23	1.23	1.21	1.21
22.5	1.01	1.07	1.09	1.07	1.12	1.12	1.15	1.20	1.20
45.0	1.00	1.03	1.11	1.14	1.17	1.25	1.25	1.25	1.25
67.5	1.03	1.03	1.09	1.14	1.14	1.19	1.17	1.19	1.14
90.0	1.14	1.14	1.17	1.06	1.03	1.01	0.98	0.98	0.98
112.5	0.79	0.81	0.87	1.00	1.09	1.19	1.22	1.20	1.20
135.0	1.04	1.09	1.17	1.17	1.23	1.23	1.23	1.23	1.23
157.5	0.92	0.95	0.98	0.98	1.00	1.06	1.14	1.14	1.17
180.0	1.15	1.15	1.15	1.15	1.15	1.18	1.20	1.21	1.21
202.5	0.82	0.82	0.93	1.01	1.12	1.10	1.15	1.18	1.15
225.0	1.08	1.14	1.14	1.17	1.17	1.19	1.22	1.28	1.36
247.5	1.14	1.17	1.20	1.17	1.17	1.17	1.17	1.20	1.22
270.0	0.87	0.87	0.87	0.87	0.87	0.90	0.90	0.95	1.01
292.5	1.09	1.11	1.17	1.22	1.20	1.20	1.20	1.20	1.20
315.0	1.09	1.12	1.15	1.20	1.20	1.28	1.25	1.25	1.25
337.5	1.03	1.06	1.09	1.09	1.09	1.11	1.19	1.22	1.22
360.0	1.18	1.21	1.23	1.23	1.23	1.23	1.23	1.21	1.21
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21
22.5	1.20	1.20	1.20	1.21	1.26	1.23	1.26	1.29	1.29
45.0	1.25	1.25	1.25	1.25	1.25	1.28	1.28	1.30	1.30
67.5	1.17	1.11	1.14	1.11	1.12	1.14	1.20	1.17	1.25
90.0	0.98	1.09	1.14	1.19	1.20	1.25	1.33	1.31	1.33
112.5	1.20	1.20	1.20	1.20	1.20	1.22	1.22	1.25	1.22
135.0	1.23	1.23	1.23	1.23	1.23	1.28	1.28	1.28	1.31
157.5	1.19	1.22	1.19	1.19	1.19	1.19	1.19	1.19	1.25
180.0	1.21	1.21	1.21	1.23	1.23	1.23	1.23	1.23	1.29
202.5	1.15	1.15	1.15	1.20	1.23	1.20	1.23	1.23	1.23
225.0	1.33	1.33	1.33	1.36	1.38	1.38	1.38	1.38	1.38
247.5	1.20	1.22	1.25	1.22	1.22	1.22	1.22	1.22	1.25
270.0	1.09	1.12	1.20	1.25	1.31	1.33	1.41	1.44	1.42
292.5	1.20	1.20	1.20	1.20	1.20	1.20	1.22	1.25	1.31
315.0	1.25	1.25	1.26	1.28	1.31	1.31	1.31	1.34	1.34
337.5	1.22	1.22	1.22	1.22	1.25	1.28	1.30	1.33	1.33
360.0	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21

Equipment:
Temperature(°C): -1.0

Date:
Humidity(%): -1.0%

Operator:
Distance(m): 14.53

ASD LIGHTING CORP

Intensity data(cd)

C/γ(°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0
0.0	1.21	1.26	1.26	1.34	1.40	1.48	1.56	1.64	1.67
22.5	1.34	1.34	1.37	1.42	1.45	1.56	1.64	1.70	1.81
45.0	1.33	1.36	1.39	1.41	1.49	1.55	1.63	1.66	1.69
67.5	1.28	1.31	1.33	1.39	1.44	1.50	1.60	1.61	1.69
90.0	1.36	1.39	1.44	1.55	1.55	1.55	1.55	1.55	1.55
112.5	1.22	1.22	1.25	1.30	1.28	1.30	1.33	1.36	1.39
135.0	1.31	1.36	1.42	1.47	1.53	1.61	1.58	1.64	1.64
157.5	1.22	1.27	1.30	1.36	1.44	1.44	1.49	1.55	1.63
180.0	1.31	1.34	1.40	1.42	1.53	1.59	1.59	1.62	1.67
202.5	1.31	1.34	1.37	1.42	1.53	1.56	1.56	1.61	1.61
225.0	1.41	1.44	1.47	1.44	1.49	1.55	1.55	1.57	1.63
247.5	1.30	1.30	1.36	1.39	1.39	1.41	1.41	1.52	1.58
270.0	1.50	1.50	1.52	1.58	1.63	1.68	1.63	1.55	1.61
292.5	1.41	1.47	1.47	1.52	1.49	1.49	1.50	1.55	1.60
315.0	1.36	1.36	1.36	1.39	1.47	1.47	1.56	1.58	1.64
337.5	1.38	1.36	1.41	1.44	1.52	1.57	1.60	1.68	1.76
360.0	1.21	1.26	1.26	1.34	1.40	1.48	1.56	1.64	1.67
C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	1.70	1.78	1.84	1.86	1.84	1.84	1.84	1.84	1.84
22.5	1.86	1.92	1.97	2.05	2.05	2.03	2.00	2.02	1.97
45.0	1.74	1.79	1.87	1.87	1.93	1.90	1.90	1.90	1.90
67.5	1.74	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
90.0	1.55	1.55	1.58	1.58	1.60	1.60	1.60	1.60	1.60
112.5	1.41	1.44	1.47	1.52	1.60	1.58	1.58	1.58	1.58
135.0	1.66	1.66	1.66	1.72	1.80	1.88	1.94	1.94	1.94
157.5	1.60	1.65	1.65	1.71	1.79	1.84	1.82	1.82	1.82
180.0	1.78	1.91	1.97	2.00	2.00	2.03	2.08	2.11	2.08
202.5	1.61	1.69	1.67	1.75	1.94	1.97	1.97	1.97	1.97
225.0	1.60	1.60	1.63	1.66	1.71	1.76	1.77	1.79	1.77
247.5	1.63	1.60	1.60	1.60	1.66	1.68	1.68	1.68	1.68
270.0	1.71	1.74	1.74	1.74	1.71	1.71	1.71	1.71	1.74
292.5	1.66	1.68	1.66	1.66	1.66	1.68	1.60	1.60	1.60
315.0	1.66	1.64	1.64	1.64	1.64	1.66	1.64	1.61	1.61
337.5	1.82	1.87	1.95	1.98	2.01	2.01	2.01	1.95	1.93
360.0	1.70	1.78	1.84	1.86	1.84	1.84	1.84	1.84	1.84
C/γ(°)	180.0								
0.0	1.61								
22.5	1.61								
45.0	1.61								
67.5	1.61								
90.0	1.61								
112.5	1.61								
135.0	1.61								
157.5	1.61								
180.0	1.61								
202.5	1.61								
225.0	1.61								
247.5	1.61								
270.0	1.61								
292.5	1.61								
315.0	1.61								
337.5	1.61								
360.0	1.61								