

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P934854

Luminaire Tested: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934854
REPORT IS A COMBINATION OF REPORTS P933713 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

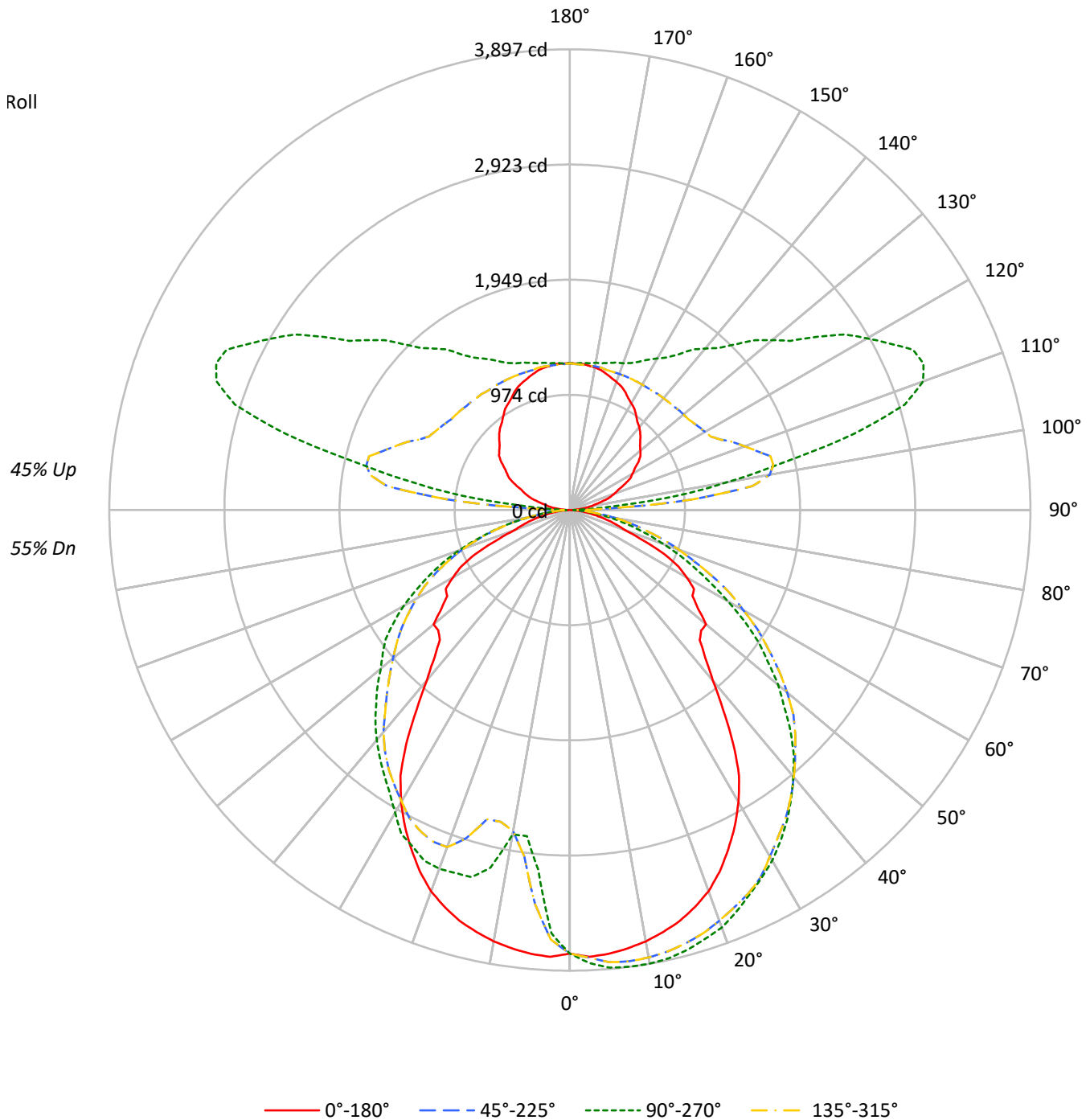
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17772.9 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 153.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-3500K

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11602	11602	11602	11602
5°	11693	11712	11693	9209
10°	11619	11537	11619	8248
15°	11497	11287	11497	9425
20°	11261	10991	11261	9444
25°	10773	10559	10773	9244
30°	10142	10200	10142	8805
35°	9046	9747	9046	8322
40°	7542	9213	7542	7957
45°	6743	8588	6743	7537
50°	7169	7843	7169	7117
55°	6752	7040	6752	6873
60°	6968	5979	6968	6295
65°	6328	4942	6328	5525
70°	4392	3938	4392	4631
75°	3867	2912	3867	3487
80°	3138	1925	3138	2095
85°	1840	1019	1840	867

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10328 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.6	1.9
10°-20°	961.4	5.4
20°-30°	1486.1	8.4
30°-40°	1774.1	10.0
40°-50°	1784.5	10.0
50°-60°	1552.7	8.7
60°-70°	1100.9	6.2
70°-80°	582.4	3.3
80°-90°	149.8	0.8
90°-100°	604.7	3.4
100°-110°	1589.9	8.9
110°-120°	1648.5	9.3
120°-130°	1322.3	7.4
130°-140°	1037.6	5.8
140°-150°	796.4	4.5
150°-160°	573.5	3.2
160°-170°	350.9	2.0
170°-180°	118.6	0.7
0°-30°	2786.1	15.7
0°-40°	4560.2	25.7
0°-60°	7897.4	44.4
0°-90°	9730.5	54.7
90°-120°	3843.1	21.6
90°-150°	6999.4	39.4
90°-180°	8042.0	45.2
0°-180°	17772.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3751	3751	3751	3751	3751	
5°	3769	3886	3769	3056	3769	358
15°	3598	3850	3598	3215	3598	1012
25°	3169	3591	3169	3144	3169	1455
35°	2410	3204	2410	2736	2410	1491
45°	1554	2640	1554	2317	1554	1245
55°	1267	1948	1267	1902	1267	1164
65°	880	1175	880	1313	880	841
75°	334	557	334	667	334	351
85°	57	142	57	121	57	77
90°	8	32	8	32	8	9
95°	80	366	80	366	80	89
105°	286	2490	286	2490	286	304
115°	509	3206	509	3206	509	502
125°	708	2553	708	2553	708	628
135°	844	1981	844	1981	844	653
145°	978	1607	978	1607	978	613
155°	1106	1384	1106	1384	1106	508
165°	1193	1289	1193	1289	1193	337
175°	1241	1249	1241	1249	1241	118
180°	1241	1241	1241	1241	1241	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0
2.5°	3783.0	3783.0	3804.3	3811.3	3811.3	3800.7	3790.0	3800.7	3832.7	3843.3	3839.7
5°	3768.8	3797.2	3836.2	3843.3	3850.4	3846.9	3839.7	3846.9	3882.3	3889.4	3893.0
7.5°	3740.3	3793.6	3843.3	3854.0	3864.6	3854.0	3850.4	3857.5	3893.0	3900.1	3900.1
10°	3704.9	3779.5	3836.2	3843.3	3854.0	3843.3	3843.3	3857.5	3893.0	3900.1	3903.6
12.5°	3655.2	3758.2	3811.3	3818.5	3832.7	3829.1	3825.6	3839.7	3875.3	3882.3	3882.3
15°	3598.4	3719.1	3768.8	3775.9	3800.7	3793.6	3793.6	3807.9	3846.9	3857.5	3854.0
17.5°	3520.4	3669.4	3726.2	3736.9	3754.6	3751.0	3754.6	3768.8	3804.3	3811.3	3814.9
20°	3431.6	3602.0	3669.4	3680.1	3697.8	3697.8	3697.8	3715.5	3751.0	3765.2	3765.2
22.5°	3311.0	3531.0	3602.0	3609.1	3630.4	3630.4	3637.5	3662.3	3694.2	3697.8	3697.8
25°	3169.0	3452.9	3513.3	3534.6	3555.8	3566.5	3577.1	3591.4	3602.0	3598.4	3602.0
27.5°	3020.0	3353.6	3431.6	3445.9	3474.3	3484.9	3499.1	3502.6	3506.1	3516.8	3509.7
30°	2853.2	3215.2	3332.3	3346.5	3392.6	3399.7	3385.5	3392.6	3410.3	3417.5	3424.6
32.5°	2665.1	3009.3	3229.4	3261.3	3303.9	3282.6	3279.1	3289.7	3318.1	3318.1	3325.2
35°	2409.6	2849.7	3133.6	3162.0	3193.8	3169.0	3183.2	3186.8	3204.5	3215.2	3211.7
37.5°	2129.2	2711.3	3034.2	3055.5	3080.3	3048.4	3069.7	3080.3	3094.6	3087.4	3087.4
40°	1880.9	2494.8	2917.1	2931.3	2952.6	2927.8	2949.0	2956.1	2963.2	2956.1	2952.6
42.5°	1696.3	2257.0	2792.8	2810.7	2796.4	2814.1	2821.2	2835.5	2824.8	2810.7	2810.7
45°	1554.4	2193.2	2658.0	2679.3	2658.0	2686.4	2697.0	2697.0	2665.1	2658.0	2654.5
47.5°	1508.2	2065.4	2523.2	2523.2	2512.5	2548.0	2565.8	2540.9	2508.9	2498.4	2498.4
50°	1504.7	1923.4	2338.6	2324.4	2374.1	2416.7	2399.0	2374.1	2349.3	2310.3	2310.3
52.5°	1366.2	1749.5	2100.8	2154.1	2232.2	2257.0	2228.6	2203.8	2161.2	2143.5	2129.2
55°	1266.9	1568.6	1884.4	1990.8	2072.5	2104.4	2051.2	2026.4	1962.4	1951.8	1944.7
57.5°	1245.6	1305.9	1685.7	1820.5	1919.9	1916.3	1884.4	1838.3	1785.0	1774.4	1770.8
60°	1142.7	943.9	1472.7	1632.4	1735.4	1724.7	1696.3	1653.7	1604.0	1597.0	1589.8
62.5°	1036.2	684.9	1231.4	1412.4	1557.9	1554.4	1529.6	1465.6	1430.2	1412.4	1398.2
65°	880.1	574.9	876.5	1174.6	1384.0	1391.1	1337.9	1291.8	1252.7	1231.4	1227.8
67.5°	670.7	468.4	592.6	979.5	1217.3	1210.1	1142.7	1121.4	1071.7	1061.0	1039.8
70°	496.8	312.3	411.7	794.9	1054.0	1036.2	983.0	958.2	912.1	887.2	873.0
72.5°	411.7	251.9	301.6	617.5	887.2	865.9	819.7	791.4	752.3	731.0	716.9
75°	333.6	266.2	230.6	457.8	720.4	706.2	663.6	635.2	603.3	574.9	578.5
77.5°	244.9	248.4	184.5	337.2	571.4	550.1	525.2	489.7	475.5	447.1	447.1
80°	184.5	195.2	138.4	230.6	411.7	411.7	390.4	365.6	340.7	326.5	326.5
82.5°	124.2	124.2	102.9	145.5	280.3	269.7	255.5	248.4	234.2	227.1	227.1
85°	56.8	71.0	63.8	88.7	152.6	159.7	159.7	152.6	149.1	141.9	145.5
87.5°	17.7	32.0	39.0	49.7	78.1	81.7	85.1	85.1	85.1	88.7	88.7
90°	8.3	15.0	21.6	23.3	36.6	54.4	63.3	56.2	42.2	31.6	31.6
92.5°	33.3	89.9	146.6	160.7	225.9	312.8	356.3	312.3	224.3	158.2	151.9
95°	80.0	183.5	287.2	313.1	555.9	879.7	1041.6	929.5	705.2	537.0	517.9
97.5°	138.2	229.6	321.1	343.9	748.8	1288.7	1558.6	1487.7	1346.0	1239.7	1203.5
100°	183.2	266.1	349.0	369.7	819.0	1418.1	1717.7	1722.8	1733.2	1741.0	1697.8
102.5°	221.5	298.9	376.1	395.5	851.2	1458.8	1762.7	1852.9	2033.5	2169.0	2132.0
105°	286.4	351.9	417.4	433.8	875.1	1463.5	1757.7	1960.1	2365.0	2668.6	2648.7
107.5°	353.0	414.1	475.1	490.5	879.6	1398.4	1657.8	1940.1	2504.8	2928.3	2933.1
110°	398.0	453.1	508.3	522.1	872.8	1340.6	1574.5	1890.2	2521.5	2994.9	3015.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	442.1	494.7	547.2	560.4	873.2	1290.2	1498.8	1821.8	2467.9	2952.5	2984.3
115°	508.7	557.2	605.7	617.8	881.2	1232.4	1408.0	1719.2	2341.6	2808.4	2852.6
117.5°	574.5	618.6	662.5	673.5	897.6	1196.1	1345.5	1626.3	2188.1	2609.4	2658.4
120°	612.8	654.3	695.7	706.0	910.9	1184.0	1320.5	1577.1	2090.4	2475.4	2522.9
122.5°	650.3	692.1	733.9	744.4	930.1	1177.6	1301.3	1532.4	1994.7	2341.3	2388.2
125°	707.7	745.9	784.0	793.5	955.8	1172.3	1280.6	1476.9	1869.5	2164.0	2207.2
127.5°	754.4	792.9	831.4	841.0	981.7	1169.3	1263.1	1431.7	1768.8	2021.6	2058.1
130°	779.4	820.8	862.2	872.6	1000.5	1171.1	1256.4	1406.4	1706.6	1931.6	1965.3
132.5°	805.2	846.6	888.0	898.4	1015.7	1172.3	1250.6	1384.9	1653.6	1855.1	1885.3
135°	843.5	881.2	918.9	928.3	1032.5	1171.2	1240.6	1353.1	1578.1	1746.8	1772.8
137.5°	882.6	919.9	957.4	966.7	1057.5	1178.4	1238.9	1334.0	1524.3	1666.9	1688.2
140°	915.0	949.4	983.9	992.5	1072.7	1179.7	1233.1	1315.3	1479.6	1602.8	1622.7
142.5°	940.0	971.9	1003.6	1011.6	1085.5	1183.9	1233.1	1305.3	1449.6	1557.8	1574.9
145°	978.3	1006.1	1033.8	1040.8	1102.1	1183.9	1224.8	1283.8	1401.9	1490.4	1503.4
147.5°	1016.6	1043.7	1070.7	1077.4	1126.6	1192.0	1224.8	1271.3	1364.1	1433.8	1444.5
150°	1041.6	1066.0	1090.5	1096.6	1139.3	1196.3	1224.8	1264.0	1342.4	1401.3	1409.9
152.5°	1067.4	1085.9	1104.4	1109.0	1147.6	1199.1	1224.8	1258.3	1325.2	1375.5	1382.0
155°	1105.7	1119.4	1133.1	1136.5	1166.0	1205.2	1224.8	1251.5	1304.7	1344.7	1349.1
157.5°	1134.0	1147.3	1160.7	1164.0	1184.2	1211.3	1224.8	1245.5	1286.9	1318.0	1321.0
160°	1153.2	1163.5	1173.9	1176.5	1192.6	1214.0	1224.8	1242.5	1278.1	1304.7	1306.5
162.5°	1172.3	1180.1	1187.8	1189.8	1201.4	1217.0	1224.8	1239.7	1269.7	1292.2	1293.9
165°	1193.2	1200.2	1207.1	1208.9	1214.2	1221.3	1224.8	1235.5	1256.9	1273.0	1274.8
167.5°	1212.3	1215.6	1219.0	1219.8	1224.2	1230.2	1233.1	1240.1	1254.2	1264.7	1265.4
170°	1224.8	1228.1	1231.5	1232.3	1232.6	1232.9	1233.1	1240.1	1254.2	1264.7	1264.7
172.5°	1231.4	1232.1	1232.9	1233.1	1233.1	1233.1	1233.1	1238.7	1249.8	1258.1	1257.5
175°	1240.6	1240.6	1240.6	1240.6	1238.1	1234.8	1233.1	1236.6	1243.7	1249.0	1249.0
177.5°	1240.6	1240.6	1240.6	1240.6	1238.7	1236.1	1234.8	1237.6	1243.1	1247.3	1246.5
180°	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0
2.5°	3846.9	3836.2	3846.9	3839.7	3843.3	3832.7	3800.7	3790.0	3800.7	3811.3	3811.3
5°	3893.0	3885.9	3893.0	3893.0	3889.4	3882.3	3846.9	3839.7	3846.9	3850.4	3843.3
7.5°	3907.1	3896.6	3907.1	3900.1	3900.1	3893.0	3857.5	3850.4	3854.0	3864.6	3854.0
10°	3907.1	3896.6	3907.1	3903.6	3900.1	3893.0	3857.5	3843.3	3843.3	3854.0	3843.3
12.5°	3889.4	3882.3	3889.4	3882.3	3882.3	3875.3	3839.7	3825.6	3829.1	3832.7	3818.5
15°	3861.0	3850.4	3861.0	3854.0	3857.5	3846.9	3807.9	3793.6	3793.6	3800.7	3775.9
17.5°	3818.5	3804.3	3818.5	3814.9	3811.3	3804.3	3768.8	3754.6	3751.0	3754.6	3736.9
20°	3768.8	3758.2	3768.8	3765.2	3765.2	3751.0	3715.5	3697.8	3697.8	3697.8	3680.1
22.5°	3690.7	3680.1	3690.7	3697.8	3697.8	3694.2	3662.3	3637.5	3630.4	3630.4	3609.1
25°	3602.0	3591.4	3602.0	3602.0	3598.4	3602.0	3591.4	3577.1	3566.5	3555.8	3534.6
27.5°	3516.8	3509.7	3516.8	3509.7	3516.8	3506.1	3502.6	3499.1	3484.9	3474.3	3445.9
30°	3431.6	3424.6	3431.6	3424.6	3417.5	3410.3	3392.6	3385.5	3399.7	3392.6	3346.5
32.5°	3325.2	3318.1	3325.2	3325.2	3318.1	3318.1	3289.7	3279.1	3282.6	3303.9	3261.3
35°	3215.2	3204.5	3215.2	3211.7	3215.2	3204.5	3186.8	3183.2	3169.0	3193.8	3162.0
37.5°	3087.4	3076.7	3087.4	3087.4	3087.4	3094.6	3080.3	3069.7	3048.4	3080.3	3055.5
40°	2956.1	2941.9	2956.1	2952.6	2956.1	2963.2	2956.1	2949.0	2927.8	2952.6	2931.3
42.5°	2807.1	2803.5	2807.1	2810.7	2810.7	2824.8	2835.5	2821.2	2814.1	2796.4	2810.7
45°	2647.3	2640.3	2647.3	2654.5	2658.0	2665.1	2697.0	2697.0	2686.4	2658.0	2679.3
47.5°	2477.1	2459.3	2477.1	2498.4	2498.4	2508.9	2540.9	2565.8	2548.0	2512.5	2523.2
50°	2296.0	2299.6	2296.0	2310.3	2310.3	2349.3	2374.1	2399.0	2416.7	2374.1	2324.4
52.5°	2118.6	2115.1	2118.6	2129.2	2143.5	2161.2	2203.8	2228.6	2257.0	2232.2	2154.1
55°	1941.1	1948.3	1941.1	1944.7	1951.8	1962.4	2026.4	2051.2	2104.4	2072.5	1990.8
57.5°	1763.8	1753.1	1763.8	1770.8	1774.4	1785.0	1838.3	1884.4	1916.3	1919.9	1820.5
60°	1557.9	1543.7	1557.9	1589.8	1597.0	1604.0	1653.7	1696.3	1724.7	1735.4	1632.4
62.5°	1376.9	1352.1	1376.9	1398.2	1412.4	1430.2	1465.6	1529.6	1554.4	1557.9	1412.4
65°	1185.3	1174.6	1185.3	1227.8	1231.4	1252.7	1291.8	1337.9	1391.1	1384.0	1174.6
67.5°	1011.4	1011.4	1011.4	1039.8	1061.0	1071.7	1121.4	1142.7	1210.1	1217.3	979.5
70°	851.7	848.1	851.7	873.0	887.2	912.1	958.2	983.0	1036.2	1054.0	794.9
72.5°	699.1	695.6	699.1	716.9	731.0	752.3	791.4	819.7	865.9	887.2	617.5
75°	564.2	557.2	564.2	578.5	574.9	603.3	635.2	663.6	706.2	720.4	457.8
77.5°	433.0	433.0	433.0	447.1	447.1	475.5	489.7	525.2	550.1	571.4	337.2
80°	322.9	319.4	322.9	326.5	326.5	340.7	365.6	390.4	411.7	411.7	230.6
82.5°	227.1	220.0	227.1	227.1	227.1	234.2	248.4	255.5	269.7	280.3	145.5
85°	141.9	141.9	141.9	145.5	141.9	149.1	152.6	159.7	159.7	152.6	88.7
87.5°	92.3	88.7	92.3	88.7	88.7	85.1	85.1	85.1	81.7	78.1	49.7
90°	31.6	31.6	31.6	31.6	31.6	42.2	56.2	63.3	54.4	36.6	23.3
92.5°	126.8	101.6	126.8	151.9	158.2	224.3	312.3	356.3	312.8	225.9	160.7
95°	441.7	365.6	441.7	517.9	537.0	705.2	929.5	1041.6	879.7	555.9	313.1
97.5°	1058.4	913.4	1058.4	1203.5	1239.7	1346.0	1487.7	1558.6	1288.7	748.8	343.9
100°	1525.0	1352.2	1525.0	1697.8	1741.0	1733.2	1722.8	1717.7	1418.1	819.0	369.7
102.5°	1983.9	1835.9	1983.9	2132.0	2169.0	2033.5	1852.9	1762.7	1458.8	851.2	395.5
105°	2569.1	2489.5	2569.1	2648.7	2668.6	2365.0	1960.1	1757.7	1463.5	875.1	433.8
107.5°	2952.4	2971.6	2952.4	2933.1	2928.3	2504.8	1940.1	1657.8	1398.4	879.6	490.5
110°	3098.5	3181.4	3098.5	3015.6	2994.9	2521.5	1890.2	1574.5	1340.6	872.8	522.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3111.6	3238.9	3111.6	2984.3	2952.5	2467.9	1821.8	1498.8	1290.2	873.2	560.4
115°	3029.0	3205.6	3029.0	2852.6	2808.4	2341.6	1719.2	1408.0	1232.4	881.2	617.8
117.5°	2854.1	3049.9	2854.1	2658.4	2609.4	2188.1	1626.3	1345.5	1196.1	897.6	673.5
120°	2713.2	2903.3	2713.2	2522.9	2475.4	2090.4	1577.1	1320.5	1184.0	910.9	706.0
122.5°	2575.8	2763.5	2575.8	2388.2	2341.3	1994.7	1532.4	1301.3	1177.6	930.1	744.4
125°	2380.0	2552.8	2380.0	2207.2	2164.0	1869.5	1476.9	1280.6	1172.3	955.8	793.5
127.5°	2203.9	2349.7	2203.9	2058.1	2021.6	1768.8	1431.7	1263.1	1169.3	981.7	841.0
130°	2100.0	2234.8	2100.0	1965.3	1931.6	1706.6	1406.4	1256.4	1171.1	1000.5	872.6
132.5°	2005.9	2126.5	2005.9	1885.3	1855.1	1653.6	1384.9	1250.6	1172.3	1015.7	898.4
135°	1876.8	1980.8	1876.8	1772.8	1746.8	1578.1	1353.1	1240.6	1171.2	1032.5	928.3
137.5°	1773.3	1858.4	1773.3	1688.2	1666.9	1524.3	1334.0	1238.9	1178.4	1057.5	966.7
140°	1702.3	1781.8	1702.3	1622.7	1602.8	1479.6	1315.3	1233.1	1179.7	1072.7	992.5
142.5°	1643.4	1711.8	1643.4	1574.9	1557.8	1449.6	1305.3	1233.1	1183.9	1085.5	1011.6
145°	1555.2	1606.9	1555.2	1503.4	1490.4	1401.9	1283.8	1224.8	1183.9	1102.1	1040.8
147.5°	1487.4	1530.4	1487.4	1444.5	1433.8	1364.1	1271.3	1224.8	1192.0	1126.6	1077.4
150°	1444.8	1479.6	1444.8	1409.9	1401.3	1342.4	1264.0	1224.8	1196.3	1139.3	1096.6
152.5°	1408.3	1434.6	1408.3	1382.0	1375.5	1325.2	1258.3	1224.8	1199.1	1147.6	1109.0
155°	1366.4	1383.8	1366.4	1349.1	1344.7	1304.7	1251.5	1224.8	1205.2	1166.0	1136.5
157.5°	1333.3	1345.5	1333.3	1321.0	1318.0	1286.9	1245.5	1224.8	1211.3	1184.2	1164.0
160°	1313.5	1320.5	1313.5	1306.5	1304.7	1278.1	1242.5	1224.8	1214.0	1192.6	1176.5
162.5°	1300.5	1307.2	1300.5	1293.9	1292.2	1269.7	1239.7	1224.8	1217.0	1201.4	1189.8
165°	1281.8	1288.9	1281.8	1274.8	1273.0	1256.9	1235.5	1224.8	1221.3	1214.2	1208.9
167.5°	1268.5	1271.4	1268.5	1265.4	1264.7	1254.2	1240.1	1233.1	1230.2	1224.2	1219.8
170°	1264.7	1264.7	1264.7	1264.7	1264.7	1254.2	1240.1	1233.1	1232.9	1232.6	1232.3
172.5°	1254.9	1252.3	1254.9	1257.5	1258.1	1249.8	1238.7	1233.1	1233.1	1233.1	1233.1
175°	1249.0	1249.0	1249.0	1249.0	1249.0	1243.7	1236.6	1233.1	1234.8	1238.1	1240.6
177.5°	1243.6	1240.6	1243.6	1246.5	1247.3	1243.1	1237.6	1234.8	1236.1	1238.7	1240.6
180°	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0
2.5°	3804.3	3783.0	3783.0	3747.5	3733.3	3722.6	3704.9	3651.7	3637.5	3623.2	3644.5
5°	3836.2	3797.2	3768.8	3704.9	3651.7	3630.4	3563.0	3435.2	3350.0	3286.2	3250.7
7.5°	3843.3	3793.6	3740.3	3641.1	3513.3	3456.5	3250.7	3016.5	2952.6	2895.8	2860.3
10°	3836.2	3779.5	3704.9	3555.8	3254.2	3154.8	2949.0	2796.4	2757.4	2746.7	2757.4
12.5°	3811.3	3758.2	3655.2	3406.8	2984.5	2917.1	2796.4	2707.7	2700.6	2718.3	2814.1
15°	3768.8	3719.1	3598.4	3208.1	2835.5	2785.8	2700.6	2668.7	2707.7	2831.9	3119.4
17.5°	3726.2	3669.4	3520.4	3012.9	2721.9	2686.4	2626.0	2690.0	2909.9	3076.7	3172.6
20°	3669.4	3602.0	3431.6	2870.9	2640.3	2608.3	2579.9	2867.4	3034.2	3094.6	3147.7
22.5°	3602.0	3531.0	3311.0	2771.6	2555.1	2530.2	2548.0	2966.8	3034.2	3076.7	3122.9
25°	3513.3	3452.9	3169.0	2693.5	2487.7	2459.3	2526.7	2956.1	2995.2	3005.8	3098.0
27.5°	3431.6	3353.6	3020.0	2622.5	2406.1	2395.4	2544.5	2909.9	2938.4	2949.0	3048.4
30°	3332.3	3215.2	2853.2	2548.0	2320.9	2317.3	2548.0	2853.2	2846.1	2874.5	2973.9
32.5°	3229.4	3009.3	2665.1	2455.8	2239.3	2235.7	2523.2	2768.0	2761.0	2800.0	2874.5
35°	3133.6	2849.7	2409.6	2349.3	2136.4	2139.9	2462.8	2668.7	2672.2	2707.7	2753.8
37.5°	3034.2	2711.3	2129.2	2232.2	2037.0	2037.0	2381.2	2576.4	2569.3	2579.9	2643.9
40°	2917.1	2494.8	1880.9	2079.5	1944.7	1934.1	2281.9	2477.1	2452.2	2448.7	2537.4
42.5°	2792.8	2257.0	1696.3	1877.3	1838.3	1824.0	2161.2	2356.4	2310.3	2320.9	2434.4
45°	2658.0	2193.2	1554.4	1586.3	1728.2	1717.6	2029.9	2218.0	2186.0	2214.5	2331.6
47.5°	2523.2	2065.4	1508.2	1316.6	1611.1	1607.6	1884.4	2083.1	2065.4	2093.8	2218.0
50°	2338.6	1923.4	1504.7	1128.5	1479.9	1494.0	1710.5	1951.8	1951.8	1976.7	2107.9
52.5°	2100.8	1749.5	1366.2	1022.0	1327.2	1369.8	1557.9	1838.3	1845.3	1870.2	1987.3
55°	1884.4	1568.6	1266.9	940.4	1146.3	1238.5	1408.9	1721.1	1735.4	1760.2	1866.6
57.5°	1685.7	1305.9	1245.6	844.6	979.5	1068.2	1277.5	1607.6	1614.7	1636.0	1738.9
60°	1472.7	943.9	1142.7	741.7	834.0	901.4	1156.9	1472.7	1497.6	1511.7	1600.5
62.5°	1231.4	684.9	1036.2	670.7	763.0	777.2	1057.5	1344.9	1376.9	1387.6	1440.8
65°	876.5	574.9	880.1	610.4	688.5	692.0	951.1	1213.7	1242.1	1259.8	1298.8
67.5°	592.6	468.4	670.7	553.6	631.6	635.2	848.1	1061.0	1100.1	1114.3	1139.2
70°	411.7	312.3	496.8	493.3	567.8	574.9	738.2	922.7	958.2	968.8	983.0
72.5°	301.6	251.9	411.7	443.6	500.4	507.5	624.6	766.6	802.0	812.7	819.7
75°	230.6	266.2	333.6	386.8	425.8	429.4	511.0	624.6	649.5	656.5	660.0
77.5°	184.5	248.4	244.9	312.3	347.7	340.7	401.0	482.7	503.9	503.9	503.9
80°	138.4	195.2	184.5	223.6	255.5	248.4	287.5	344.2	351.3	358.4	354.9
82.5°	102.9	124.2	124.2	141.9	170.4	163.2	191.6	223.6	223.6	223.6	230.6
85°	63.8	71.0	56.8	74.5	95.8	92.3	106.5	120.7	124.2	124.2	117.1
87.5°	39.0	32.0	17.7	28.4	42.6	42.6	49.7	53.3	49.7	49.7	49.7
90°	21.6	15.0	8.3	15.0	21.6	23.3	36.6	54.4	63.3	56.2	42.2
92.5°	146.6	89.9	33.3	89.9	146.6	160.7	225.9	312.8	356.3	312.3	224.3
95°	287.2	183.5	80.0	183.5	287.2	313.1	555.9	879.7	1041.6	929.5	705.2
97.5°	321.1	229.6	138.2	229.6	321.1	343.9	748.8	1288.7	1558.6	1487.7	1346.0
100°	349.0	266.1	183.2	266.1	349.0	369.7	819.0	1418.1	1717.7	1722.8	1733.2
102.5°	376.1	298.9	221.5	298.9	376.1	395.5	851.2	1458.8	1762.7	1852.9	2033.5
105°	417.4	351.9	286.4	351.9	417.4	433.8	875.1	1463.5	1757.7	1960.1	2365.0
107.5°	475.1	414.1	353.0	414.1	475.1	490.5	879.6	1398.4	1657.8	1940.1	2504.8
110°	508.3	453.1	398.0	453.1	508.3	522.1	872.8	1340.6	1574.5	1890.2	2521.5



TEST NUMBER: P934854

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	547.2	494.7	442.1	494.7	547.2	560.4	873.2	1290.2	1498.8	1821.8	2467.9
115°	605.7	557.2	508.7	557.2	605.7	617.8	881.2	1232.4	1408.0	1719.2	2341.6
117.5°	662.5	618.6	574.5	618.6	662.5	673.5	897.6	1196.1	1345.5	1626.3	2188.1
120°	695.7	654.3	612.8	654.3	695.7	706.0	910.9	1184.0	1320.5	1577.1	2090.4
122.5°	733.9	692.1	650.3	692.1	733.9	744.4	930.1	1177.6	1301.3	1532.4	1994.7
125°	784.0	745.9	707.7	745.9	784.0	793.5	955.8	1172.3	1280.6	1476.9	1869.5
127.5°	831.4	792.9	754.4	792.9	831.4	841.0	981.7	1169.3	1263.1	1431.7	1768.8
130°	862.2	820.8	779.4	820.8	862.2	872.6	1000.5	1171.1	1256.4	1406.4	1706.6
132.5°	888.0	846.6	805.2	846.6	888.0	898.4	1015.7	1172.3	1250.6	1384.9	1653.6
135°	918.9	881.2	843.5	881.2	918.9	928.3	1032.5	1171.2	1240.6	1353.1	1578.1
137.5°	957.4	919.9	882.6	919.9	957.4	966.7	1057.5	1178.4	1238.9	1334.0	1524.3
140°	983.9	949.4	915.0	949.4	983.9	992.5	1072.7	1179.7	1233.1	1315.3	1479.6
142.5°	1003.6	971.9	940.0	971.9	1003.6	1011.6	1085.5	1183.9	1233.1	1305.3	1449.6
145°	1033.8	1006.1	978.3	1006.1	1033.8	1040.8	1102.1	1183.9	1224.8	1283.8	1401.9
147.5°	1070.7	1043.7	1016.6	1043.7	1070.7	1077.4	1126.6	1192.0	1224.8	1271.3	1364.1
150°	1090.5	1066.0	1041.6	1066.0	1090.5	1096.6	1139.3	1196.3	1224.8	1264.0	1342.4
152.5°	1104.4	1085.9	1067.4	1085.9	1104.4	1109.0	1147.6	1199.1	1224.8	1258.3	1325.2
155°	1133.1	1119.4	1105.7	1119.4	1133.1	1136.5	1166.0	1205.2	1224.8	1251.5	1304.7
157.5°	1160.7	1147.3	1134.0	1147.3	1160.7	1164.0	1184.2	1211.3	1224.8	1245.5	1286.9
160°	1173.9	1163.5	1153.2	1163.5	1173.9	1176.5	1192.6	1214.0	1224.8	1242.5	1278.1
162.5°	1187.8	1180.1	1172.3	1180.1	1187.8	1189.8	1201.4	1217.0	1224.8	1239.7	1269.7
165°	1207.1	1200.2	1193.2	1200.2	1207.1	1208.9	1214.2	1221.3	1224.8	1235.5	1256.9
167.5°	1219.0	1215.6	1212.3	1215.6	1219.0	1219.8	1224.2	1230.2	1233.1	1240.1	1254.2
170°	1231.5	1228.1	1224.8	1228.1	1231.5	1232.3	1232.6	1232.9	1233.1	1240.1	1254.2
172.5°	1232.9	1232.1	1231.4	1232.1	1232.9	1233.1	1233.1	1233.1	1233.1	1238.7	1249.8
175°	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1238.1	1234.8	1233.1	1236.6	1243.7
177.5°	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1238.7	1236.1	1234.8	1237.6	1243.1
180°	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6



TEST NUMBER: P934854
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0
2.5°	3619.7	3609.1	3623.2	3584.2	3623.2	3609.1	3619.7	3644.5	3623.2	3637.5	3651.7
5°	3176.1	3158.4	3101.6	3055.5	3101.6	3158.4	3176.1	3250.7	3286.2	3350.0	3435.2
7.5°	2839.0	2824.8	2810.7	2782.2	2810.7	2824.8	2839.0	2860.3	2895.8	2952.6	3016.5
10°	2764.5	2768.0	2789.3	2785.8	2789.3	2768.0	2764.5	2757.4	2746.7	2757.4	2796.4
12.5°	2956.1	2988.0	3105.1	3098.0	3105.1	2988.0	2956.1	2814.1	2718.3	2700.6	2707.7
15°	3176.1	3186.8	3211.7	3215.2	3211.7	3186.8	3176.1	3119.4	2831.9	2707.7	2668.7
17.5°	3197.4	3201.0	3218.7	3218.7	3218.7	3201.0	3197.4	3172.6	3076.7	2909.9	2690.0
20°	3179.7	3186.8	3222.2	3229.4	3222.2	3186.8	3179.7	3147.7	3094.6	3034.2	2867.4
22.5°	3172.6	3186.8	3215.2	3211.7	3215.2	3186.8	3172.6	3122.9	3076.7	3034.2	2966.8
25°	3137.1	3137.1	3140.7	3144.2	3140.7	3137.1	3137.1	3098.0	3005.8	2995.2	2956.1
27.5°	3062.6	3069.7	3091.0	3087.4	3091.0	3069.7	3062.6	3048.4	2949.0	2938.4	2909.9
30°	2995.2	2988.0	2970.3	2956.1	2970.3	2988.0	2995.2	2973.9	2874.5	2846.1	2853.2
32.5°	2881.6	2863.8	2846.1	2835.5	2846.1	2863.8	2881.6	2874.5	2800.0	2761.0	2768.0
35°	2746.7	2750.3	2746.7	2736.1	2746.7	2750.3	2746.7	2753.8	2707.7	2672.2	2668.7
37.5°	2650.9	2658.0	2654.5	2640.3	2654.5	2658.0	2650.9	2643.9	2579.9	2569.3	2576.4
40°	2551.5	2555.1	2551.5	2540.9	2551.5	2555.1	2551.5	2537.4	2448.7	2452.2	2477.1
42.5°	2455.8	2452.2	2441.5	2434.4	2441.5	2452.2	2455.8	2434.4	2320.9	2310.3	2356.4
45°	2345.7	2349.3	2328.0	2317.3	2328.0	2349.3	2345.7	2331.6	2214.5	2186.0	2218.0
47.5°	2235.7	2235.7	2218.0	2207.3	2218.0	2235.7	2235.7	2218.0	2093.8	2065.4	2083.1
50°	2118.6	2115.1	2090.2	2086.7	2090.2	2115.1	2118.6	2107.9	1976.7	1951.8	1951.8
52.5°	1983.7	1983.7	1987.3	1994.4	1987.3	1983.7	1983.7	1987.3	1870.2	1845.3	1838.3
55°	1866.6	1870.2	1895.0	1902.1	1895.0	1870.2	1866.6	1866.6	1760.2	1735.4	1721.1
57.5°	1745.9	1745.9	1763.8	1763.8	1763.8	1745.9	1745.9	1738.9	1636.0	1614.7	1607.6
60°	1607.6	1614.7	1628.8	1625.3	1628.8	1614.7	1607.6	1600.5	1511.7	1497.6	1472.7
62.5°	1462.0	1469.2	1472.7	1465.6	1472.7	1469.2	1462.0	1440.8	1387.6	1376.9	1344.9
65°	1309.5	1316.6	1320.1	1313.1	1320.1	1316.6	1309.5	1298.8	1259.8	1242.1	1213.7
67.5°	1153.3	1149.8	1146.3	1160.4	1146.3	1149.8	1153.3	1139.2	1114.3	1100.1	1061.0
70°	993.6	993.6	990.1	997.2	990.1	993.6	993.6	983.0	968.8	958.2	922.7
72.5°	823.3	819.7	834.0	823.3	834.0	819.7	823.3	819.7	812.7	802.0	766.6
75°	656.5	663.6	656.5	667.2	656.5	663.6	656.5	660.0	656.5	649.5	624.6
77.5°	500.4	507.5	500.4	500.4	500.4	507.5	500.4	503.9	503.9	503.9	482.7
80°	354.9	351.3	351.3	347.7	351.3	351.3	354.9	354.9	358.4	351.3	344.2
82.5°	227.1	223.6	223.6	230.6	223.6	223.6	227.1	230.6	223.6	223.6	223.6
85°	124.2	127.8	120.7	120.7	120.7	127.8	124.2	117.1	124.2	124.2	120.7
87.5°	46.1	42.6	42.6	42.6	42.6	42.6	46.1	49.7	49.7	49.7	53.3
90°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	42.2	56.2	63.3	54.4
92.5°	158.2	151.9	126.8	101.6	126.8	151.9	158.2	224.3	312.3	356.3	312.8
95°	537.0	517.9	441.7	365.6	441.7	517.9	537.0	705.2	929.5	1041.6	879.7
97.5°	1239.7	1203.5	1058.4	913.4	1058.4	1203.5	1239.7	1346.0	1487.7	1558.6	1288.7
100°	1741.0	1697.8	1525.0	1352.2	1525.0	1697.8	1741.0	1733.2	1722.8	1717.7	1418.1
102.5°	2169.0	2132.0	1983.9	1835.9	1983.9	2132.0	2169.0	2033.5	1852.9	1762.7	1458.8
105°	2668.6	2648.7	2569.1	2489.5	2569.1	2648.7	2668.6	2365.0	1960.1	1757.7	1463.5
107.5°	2928.3	2933.1	2952.4	2971.6	2952.4	2933.1	2928.3	2504.8	1940.1	1657.8	1398.4
110°	2994.9	3015.6	3098.5	3181.4	3098.5	3015.6	2994.9	2521.5	1890.2	1574.5	1340.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2952.5	2984.3	3111.6	3238.9	3111.6	2984.3	2952.5	2467.9	1821.8	1498.8	1290.2
115°	2808.4	2852.6	3029.0	3205.6	3029.0	2852.6	2808.4	2341.6	1719.2	1408.0	1232.4
117.5°	2609.4	2658.4	2854.1	3049.9	2854.1	2658.4	2609.4	2188.1	1626.3	1345.5	1196.1
120°	2475.4	2522.9	2713.2	2903.3	2713.2	2522.9	2475.4	2090.4	1577.1	1320.5	1184.0
122.5°	2341.3	2388.2	2575.8	2763.5	2575.8	2388.2	2341.3	1994.7	1532.4	1301.3	1177.6
125°	2164.0	2207.2	2380.0	2552.8	2380.0	2207.2	2164.0	1869.5	1476.9	1280.6	1172.3
127.5°	2021.6	2058.1	2203.9	2349.7	2203.9	2058.1	2021.6	1768.8	1431.7	1263.1	1169.3
130°	1931.6	1965.3	2100.0	2234.8	2100.0	1965.3	1931.6	1706.6	1406.4	1256.4	1171.1
132.5°	1855.1	1885.3	2005.9	2126.5	2005.9	1885.3	1855.1	1653.6	1384.9	1250.6	1172.3
135°	1746.8	1772.8	1876.8	1980.8	1876.8	1772.8	1746.8	1578.1	1353.1	1240.6	1171.2
137.5°	1666.9	1688.2	1773.3	1858.4	1773.3	1688.2	1666.9	1524.3	1334.0	1238.9	1178.4
140°	1602.8	1622.7	1702.3	1781.8	1702.3	1622.7	1602.8	1479.6	1315.3	1233.1	1179.7
142.5°	1557.8	1574.9	1643.4	1711.8	1643.4	1574.9	1557.8	1449.6	1305.3	1233.1	1183.9
145°	1490.4	1503.4	1555.2	1606.9	1555.2	1503.4	1490.4	1401.9	1283.8	1224.8	1183.9
147.5°	1433.8	1444.5	1487.4	1530.4	1487.4	1444.5	1433.8	1364.1	1271.3	1224.8	1192.0
150°	1401.3	1409.9	1444.8	1479.6	1444.8	1409.9	1401.3	1342.4	1264.0	1224.8	1196.3
152.5°	1375.5	1382.0	1408.3	1434.6	1408.3	1382.0	1375.5	1325.2	1258.3	1224.8	1199.1
155°	1344.7	1349.1	1366.4	1383.8	1366.4	1349.1	1344.7	1304.7	1251.5	1224.8	1205.2
157.5°	1318.0	1321.0	1333.3	1345.5	1333.3	1321.0	1318.0	1286.9	1245.5	1224.8	1211.3
160°	1304.7	1306.5	1313.5	1320.5	1313.5	1306.5	1304.7	1278.1	1242.5	1224.8	1214.0
162.5°	1292.2	1293.9	1300.5	1307.2	1300.5	1293.9	1292.2	1269.7	1239.7	1224.8	1217.0
165°	1273.0	1274.8	1281.8	1288.9	1281.8	1274.8	1273.0	1256.9	1235.5	1224.8	1221.3
167.5°	1264.7	1265.4	1268.5	1271.4	1268.5	1265.4	1264.7	1254.2	1240.1	1233.1	1230.2
170°	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1254.2	1240.1	1233.1	1232.9
172.5°	1258.1	1257.5	1254.9	1252.3	1254.9	1257.5	1258.1	1249.8	1238.7	1233.1	1233.1
175°	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1243.7	1236.6	1233.1	1234.8
177.5°	1247.3	1246.5	1243.6	1240.6	1243.6	1246.5	1247.3	1243.1	1237.6	1234.8	1236.1
180°	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3751.0	3751.0	3751.0	3751.0	3751.0
2.5°	3704.9	3722.6	3733.3	3747.5	3783.0
5°	3563.0	3630.4	3651.7	3704.9	3768.8
7.5°	3250.7	3456.5	3513.3	3641.1	3740.3
10°	2949.0	3154.8	3254.2	3555.8	3704.9
12.5°	2796.4	2917.1	2984.5	3406.8	3655.2
15°	2700.6	2785.8	2835.5	3208.1	3598.4
17.5°	2626.0	2686.4	2721.9	3012.9	3520.4
20°	2579.9	2608.3	2640.3	2870.9	3431.6
22.5°	2548.0	2530.2	2555.1	2771.6	3311.0
25°	2526.7	2459.3	2487.7	2693.5	3169.0
27.5°	2544.5	2395.4	2406.1	2622.5	3020.0
30°	2548.0	2317.3	2320.9	2548.0	2853.2
32.5°	2523.2	2235.7	2239.3	2455.8	2665.1
35°	2462.8	2139.9	2136.4	2349.3	2409.6
37.5°	2381.2	2037.0	2037.0	2232.2	2129.2
40°	2281.9	1934.1	1944.7	2079.5	1880.9
42.5°	2161.2	1824.0	1838.3	1877.3	1696.3
45°	2029.9	1717.6	1728.2	1586.3	1554.4
47.5°	1884.4	1607.6	1611.1	1316.6	1508.2
50°	1710.5	1494.0	1479.9	1128.5	1504.7
52.5°	1557.9	1369.8	1327.2	1022.0	1366.2
55°	1408.9	1238.5	1146.3	940.4	1266.9
57.5°	1277.5	1068.2	979.5	844.6	1245.6
60°	1156.9	901.4	834.0	741.7	1142.7
62.5°	1057.5	777.2	763.0	670.7	1036.2
65°	951.1	692.0	688.5	610.4	880.1
67.5°	848.1	635.2	631.6	553.6	670.7
70°	738.2	574.9	567.8	493.3	496.8
72.5°	624.6	507.5	500.4	443.6	411.7
75°	511.0	429.4	425.8	386.8	333.6
77.5°	401.0	340.7	347.7	312.3	244.9
80°	287.5	248.4	255.5	223.6	184.5
82.5°	191.6	163.2	170.4	141.9	124.2
85°	106.5	92.3	95.8	74.5	56.8
87.5°	49.7	42.6	42.6	28.4	17.7
90°	36.6	23.3	21.6	15.0	8.3
92.5°	225.9	160.7	146.6	89.9	33.3
95°	555.9	313.1	287.2	183.5	80.0
97.5°	748.8	343.9	321.1	229.6	138.2
100°	819.0	369.7	349.0	266.1	183.2
102.5°	851.2	395.5	376.1	298.9	221.5
105°	875.1	433.8	417.4	351.9	286.4
107.5°	879.6	490.5	475.1	414.1	353.0
110°	872.8	522.1	508.3	453.1	398.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	873.2	560.4	547.2	494.7	442.1
115°	881.2	617.8	605.7	557.2	508.7
117.5°	897.6	673.5	662.5	618.6	574.5
120°	910.9	706.0	695.7	654.3	612.8
122.5°	930.1	744.4	733.9	692.1	650.3
125°	955.8	793.5	784.0	745.9	707.7
127.5°	981.7	841.0	831.4	792.9	754.4
130°	1000.5	872.6	862.2	820.8	779.4
132.5°	1015.7	898.4	888.0	846.6	805.2
135°	1032.5	928.3	918.9	881.2	843.5
137.5°	1057.5	966.7	957.4	919.9	882.6
140°	1072.7	992.5	983.9	949.4	915.0
142.5°	1085.5	1011.6	1003.6	971.9	940.0
145°	1102.1	1040.8	1033.8	1006.1	978.3
147.5°	1126.6	1077.4	1070.7	1043.7	1016.6
150°	1139.3	1096.6	1090.5	1066.0	1041.6
152.5°	1147.6	1109.0	1104.4	1085.9	1067.4
155°	1166.0	1136.5	1133.1	1119.4	1105.7
157.5°	1184.2	1164.0	1160.7	1147.3	1134.0
160°	1192.6	1176.5	1173.9	1163.5	1153.2
162.5°	1201.4	1189.8	1187.8	1180.1	1172.3
165°	1214.2	1208.9	1207.1	1200.2	1193.2
167.5°	1224.2	1219.8	1219.0	1215.6	1212.3
170°	1232.6	1232.3	1231.5	1228.1	1224.8
172.5°	1233.1	1233.1	1232.9	1232.1	1231.4
175°	1238.1	1240.6	1240.6	1240.6	1240.6
177.5°	1238.7	1240.6	1240.6	1240.6	1240.6
180°	1240.6	1240.6	1240.6	1240.6	1240.6



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.76	14.66	14.67	15.60	16.80	16.61	17.51	17.52	18.45	19.65
	3H	14.24	15.05	15.16	15.99	17.22	17.96	18.78	18.89	19.72	20.94
	4H	14.43	15.20	15.37	16.15	17.38	18.41	19.18	19.36	20.13	21.36
	6H	14.55	15.26	15.50	16.21	17.46	18.71	19.41	19.66	20.37	21.62
	8H	14.55	15.23	15.51	16.20	17.44	18.79	19.46	19.75	20.43	21.68
	12H	14.53	15.17	15.49	16.13	17.40	18.83	19.47	19.79	20.43	21.71
4H	2H	14.80	15.57	15.75	16.52	17.75	17.02	17.79	17.97	18.74	19.97
	3H	15.83	16.47	16.79	17.45	18.70	18.54	19.18	19.50	20.16	21.41
	4H	16.11	16.69	17.08	17.67	18.94	19.07	19.66	20.04	20.63	21.90
	6H	16.24	16.74	17.22	17.74	19.01	19.45	19.95	20.43	20.94	22.22
	8H	16.24	16.71	17.22	17.70	18.99	19.56	20.03	20.54	21.02	22.30
	12H	16.21	16.64	17.21	17.64	18.93	19.62	20.04	20.62	21.05	22.34
8H	4H	16.57	17.04	17.55	18.03	19.32	19.20	19.67	20.18	20.66	21.95
	6H	16.83	17.22	17.84	18.25	19.54	19.64	20.03	20.65	21.06	22.35
	8H	16.88	17.22	17.89	18.24	19.54	19.80	20.14	20.81	21.16	22.46
	12H	16.86	17.16	17.88	18.18	19.53	19.90	20.21	20.92	21.22	22.57
12H	4H	16.58	17.00	17.58	18.01	19.30	19.17	19.59	20.17	20.60	21.89
	6H	16.89	17.24	17.91	18.26	19.56	19.64	19.98	20.66	21.00	22.31
	8H	16.96	17.27	17.98	18.28	19.63	19.81	20.11	20.83	21.12	22.47