

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: P935745

Luminaire Tested: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935745
REPORT IS A COMBINATION OF REPORTS P933768 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

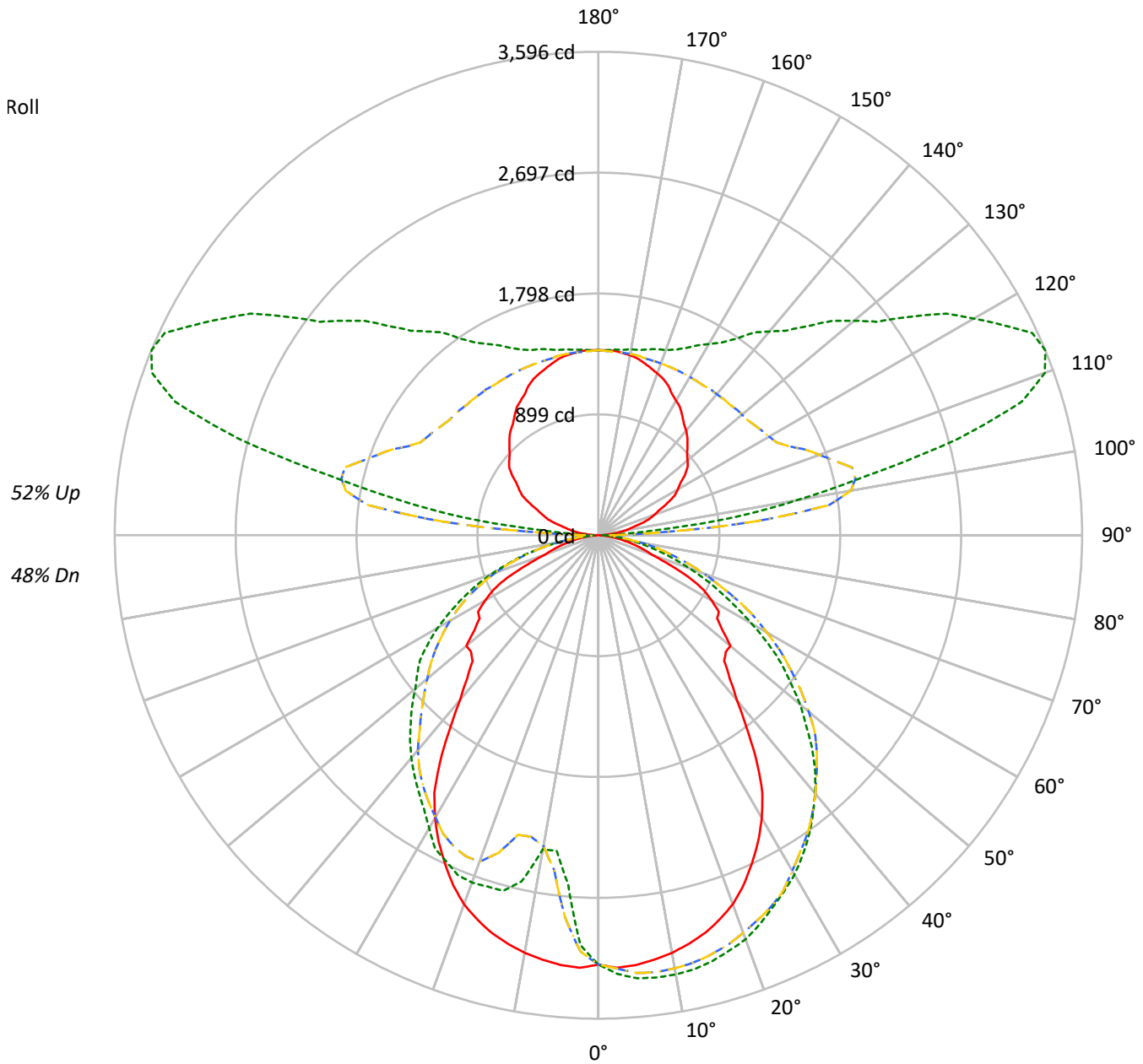
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17212.4 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 150.4
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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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - · - 135°-315°



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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	50	30	10	0
RCR																					
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41	41	41	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34	34	34	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29	29	29	29
4	74	63	55	49	68	59	52	46	50	44	40	41	37	34	34	31	28	25	25	25	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21	21	21	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19	19
7	58	45	38	32	53	42	35	30	36	31	26	30	26	23	25	22	19	17	17	17	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13	13	13	13
10	47	34	27	22	43	32	26	21	28	22	19	24	19	16	20	16	14	12	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14815	14815	14815	14815
5°	14925	14955	14925	11759
10°	14825	14731	14825	10532
15°	14664	14412	14664	12035
20°	14358	14034	14358	12059
25°	13730	13482	13730	11804
30°	12919	13024	12919	11243
35°	11517	12445	11517	10626
40°	9597	11764	9597	10160
45°	8574	10966	8574	9624
50°	9109	10014	9109	9087
55°	8571	8989	8571	8776
60°	8835	7634	8835	8038
65°	8010	6311	8010	7054
70°	5546	5029	5546	5913
75°	4862	3717	4862	4452
80°	3920	2458	3920	2677
85°	2250	1302	2250	1106

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13142 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.2	1.7
10°-20°	818.4	4.8
20°-30°	1265.0	7.3
30°-40°	1510.2	8.8
40°-50°	1519.0	8.8
50°-60°	1321.8	7.7
60°-70°	937.1	5.4
70°-80°	495.8	2.9
80°-90°	128.7	0.7
90°-100°	671.3	3.9
100°-110°	1765.0	10.3
110°-120°	1830.1	10.6
120°-130°	1468.0	8.5
130°-140°	1151.8	6.7
140°-150°	884.1	5.1
150°-160°	636.7	3.7
160°-170°	389.6	2.3
170°-180°	131.6	0.8
0°-30°	2371.6	13.8
0°-40°	3881.8	22.6
0°-60°	6722.6	39.1
0°-90°	8284.3	48.1
90°-120°	4266.4	24.8
90°-150°	7770.2	45.1
90°-180°	8928.0	51.9
0°-180°	17212.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3193	3193	3193	3193	3193	
5°	3208	3308	3208	2601	3208	304
15°	3063	3278	3063	2737	3063	862
25°	2698	3057	2698	2676	2698	1239
35°	2051	2728	2051	2329	2051	1269
45°	1323	2248	1323	1973	1323	1060
55°	1078	1658	1078	1619	1078	991
65°	749	1000	749	1118	749	716
75°	284	474	284	568	284	299
85°	48	121	48	103	48	65
90°	9	35	9	35	9	10
95°	89	406	89	406	89	99
105°	318	2764	318	2764	318	337
115°	565	3559	565	3559	565	558
125°	786	2834	786	2834	786	698
135°	936	2199	936	2199	936	724
145°	1086	1784	1086	1784	1086	680
155°	1228	1536	1228	1536	1228	564
165°	1325	1431	1325	1431	1325	374
175°	1377	1386	1377	1386	1377	131
180°	1377	1377	1377	1377	1377	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1
2.5°	3220.2	3220.2	3238.3	3244.4	3244.4	3235.4	3226.3	3235.4	3262.5	3271.6	3268.6
5°	3208.2	3232.4	3265.6	3271.6	3277.6	3274.7	3268.6	3274.7	3304.8	3310.9	3313.9
7.5°	3184.0	3229.3	3271.6	3280.6	3289.8	3280.6	3277.6	3283.7	3313.9	3319.9	3319.9
10°	3153.8	3217.3	3265.6	3271.6	3280.6	3271.6	3271.6	3283.7	3313.9	3319.9	3323.0
12.5°	3111.5	3199.1	3244.4	3250.5	3262.5	3259.5	3256.5	3268.6	3298.8	3304.8	3304.8
15°	3063.2	3165.9	3208.2	3214.2	3235.4	3229.3	3229.3	3241.4	3274.7	3283.7	3280.6
17.5°	2996.7	3123.5	3171.9	3180.9	3196.1	3193.1	3196.1	3208.2	3238.3	3244.4	3247.4
20°	2921.2	3066.1	3123.5	3132.6	3147.7	3147.7	3147.7	3162.8	3193.1	3205.1	3205.1
22.5°	2818.4	3005.8	3066.1	3072.2	3090.3	3090.3	3096.4	3117.6	3144.7	3147.7	3147.7
25°	2697.7	2939.3	2990.6	3008.8	3026.9	3036.0	3045.1	3057.1	3066.1	3063.2	3066.1
27.5°	2570.7	2854.7	2921.2	2933.2	2957.4	2966.5	2978.6	2981.6	2984.7	2993.7	2987.6
30°	2428.8	2737.0	2836.6	2848.7	2888.0	2894.0	2881.9	2888.0	2903.1	2909.1	2915.1
32.5°	2268.7	2561.7	2749.0	2776.2	2812.5	2794.3	2791.3	2800.3	2824.5	2824.5	2830.6
35°	2051.2	2425.8	2667.4	2691.6	2718.7	2697.7	2709.7	2712.8	2727.8	2737.0	2733.9
37.5°	1812.6	2308.0	2582.9	2601.0	2622.2	2594.9	2613.1	2622.2	2634.2	2628.1	2628.1
40°	1601.1	2123.6	2483.2	2495.2	2513.4	2492.2	2510.3	2516.4	2522.5	2516.4	2513.4
42.5°	1444.0	1921.3	2377.4	2392.5	2380.4	2395.5	2401.6	2413.6	2404.6	2392.5	2392.5
45°	1323.1	1866.9	2262.6	2280.7	2262.6	2286.8	2295.9	2295.9	2268.7	2262.6	2259.6
47.5°	1283.9	1758.1	2147.8	2147.8	2138.8	2169.0	2184.1	2162.9	2135.8	2126.7	2126.7
50°	1280.8	1637.3	1990.7	1978.7	2021.0	2057.2	2042.1	2021.0	1999.8	1966.6	1966.6
52.5°	1163.0	1489.2	1788.4	1833.7	1900.1	1921.3	1897.1	1875.9	1839.7	1824.6	1812.6
55°	1078.5	1335.3	1604.1	1694.7	1764.2	1791.4	1746.1	1724.9	1670.5	1661.5	1655.5
57.5°	1060.3	1111.7	1434.9	1549.7	1634.3	1631.3	1604.1	1564.9	1519.5	1510.4	1507.5
60°	972.7	803.5	1253.7	1389.6	1477.2	1468.2	1444.0	1407.8	1365.4	1359.4	1353.4
62.5°	882.1	583.1	1048.2	1202.3	1326.2	1323.1	1302.0	1247.6	1217.4	1202.3	1190.2
65°	749.2	489.4	746.1	999.9	1178.2	1184.1	1138.9	1099.6	1066.3	1048.2	1045.3
67.5°	570.9	398.7	504.5	833.8	1036.2	1030.1	972.7	954.6	912.3	903.2	885.1
70°	422.9	265.8	350.4	676.7	897.2	882.1	836.7	815.7	776.4	755.2	743.1
72.5°	350.4	214.5	256.8	525.7	755.2	737.1	697.9	673.7	640.5	622.3	610.2
75°	283.9	226.5	196.4	389.7	613.2	601.2	564.9	540.7	513.5	489.4	492.4
77.5°	208.4	211.5	157.1	287.0	486.4	468.3	447.1	416.9	404.8	380.6	380.6
80°	157.1	166.1	117.8	196.4	350.4	350.4	332.3	311.2	290.0	278.0	278.0
82.5°	105.7	105.7	87.6	123.9	238.7	229.6	217.5	211.5	199.4	193.3	193.3
85°	48.3	60.4	54.4	75.5	129.9	135.9	135.9	129.9	126.8	120.9	123.9
87.5°	15.1	27.2	33.2	42.3	66.5	69.4	72.5	72.5	72.5	75.5	75.5
90°	9.3	16.7	24.0	25.9	40.7	60.4	70.2	62.4	46.8	35.1	35.1
92.5°	37.0	99.8	162.7	178.4	250.8	347.3	395.6	346.7	249.0	175.6	168.6
95°	88.7	203.8	318.8	347.6	617.2	976.6	1156.3	1031.9	782.9	596.2	575.0
97.5°	153.4	254.9	356.4	381.8	831.3	1430.7	1730.3	1651.7	1494.3	1376.3	1336.1
100°	203.3	295.4	387.4	410.4	909.2	1574.3	1906.9	1912.6	1924.1	1932.8	1884.9
102.5°	245.8	331.7	417.6	439.1	945.0	1619.6	1956.8	2057.0	2257.5	2407.8	2366.8
105°	318.0	390.7	463.4	481.6	971.4	1624.7	1951.3	2175.9	2625.4	2962.4	2940.4
107.5°	391.9	459.7	527.4	544.4	976.3	1552.4	1840.3	2153.8	2780.7	3250.8	3256.2
110°	441.8	503.1	564.3	579.6	969.0	1488.3	1747.9	2098.4	2799.2	3324.7	3347.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	490.9	549.1	607.5	622.1	969.3	1432.3	1663.8	2022.4	2739.6	3277.6	3313.0
115°	564.8	618.6	672.3	685.8	978.2	1368.1	1563.1	1908.5	2599.5	3117.7	3166.7
117.5°	637.8	686.7	735.5	747.7	996.4	1328.0	1493.7	1805.5	2429.1	2896.8	2951.2
120°	680.3	726.3	772.3	783.8	1011.2	1314.4	1465.9	1750.9	2320.6	2748.0	2800.8
122.5°	721.9	768.3	814.7	826.3	1032.4	1307.2	1444.7	1701.2	2214.4	2599.2	2651.3
125°	785.7	828.0	870.3	880.8	1061.1	1301.4	1421.6	1639.6	2075.4	2402.3	2450.2
127.5°	837.5	880.2	922.9	933.6	1089.8	1298.0	1402.2	1589.3	1963.6	2244.2	2284.7
130°	865.1	911.2	957.2	968.7	1110.7	1300.1	1394.8	1561.4	1894.6	2144.4	2181.8
132.5°	893.8	939.8	985.8	997.3	1127.6	1301.4	1388.3	1537.4	1835.7	2059.4	2092.8
135°	936.4	978.2	1020.2	1030.6	1146.1	1300.2	1377.2	1502.1	1751.9	1939.2	1968.0
137.5°	979.7	1021.2	1062.8	1073.1	1173.9	1308.2	1375.3	1480.9	1692.1	1850.5	1874.1
140°	1015.8	1054.0	1092.2	1101.8	1190.8	1309.6	1368.9	1460.1	1642.5	1779.3	1801.4
142.5°	1043.6	1078.9	1114.2	1123.0	1204.9	1314.3	1368.9	1449.0	1609.2	1729.4	1748.4
145°	1086.1	1116.8	1147.7	1155.4	1223.5	1314.3	1359.6	1425.2	1556.3	1654.6	1668.9
147.5°	1128.6	1158.6	1188.6	1196.1	1250.6	1323.3	1359.6	1411.2	1514.3	1591.7	1603.6
150°	1156.3	1183.4	1210.6	1217.4	1264.8	1328.0	1359.6	1403.2	1490.3	1555.7	1565.3
152.5°	1185.0	1205.5	1226.0	1231.2	1274.0	1331.1	1359.6	1396.9	1471.2	1527.0	1534.3
155°	1227.5	1242.7	1257.9	1261.7	1294.4	1337.9	1359.6	1389.3	1448.5	1492.8	1497.6
157.5°	1259.0	1273.7	1288.5	1292.2	1314.7	1344.6	1359.6	1382.7	1428.6	1463.2	1466.6
160°	1280.2	1291.7	1303.2	1306.1	1323.9	1347.8	1359.6	1379.4	1418.8	1448.4	1450.3
162.5°	1301.4	1310.0	1318.7	1320.8	1333.8	1351.0	1359.6	1376.2	1409.5	1434.5	1436.4
165°	1324.6	1332.4	1340.2	1342.1	1347.9	1355.7	1359.6	1371.6	1395.4	1413.3	1415.2
167.5°	1345.8	1349.5	1353.2	1354.1	1359.0	1365.6	1368.9	1376.7	1392.3	1404.0	1404.8
170°	1359.6	1363.4	1367.1	1368.0	1368.3	1368.7	1368.9	1376.7	1392.3	1404.0	1404.0
172.5°	1367.0	1367.9	1368.7	1368.9	1368.9	1368.9	1368.9	1375.1	1387.4	1396.7	1396.0
175°	1377.2	1377.2	1377.2	1377.2	1374.5	1370.8	1368.9	1372.8	1380.6	1386.5	1386.5
177.5°	1377.2	1377.2	1377.2	1377.2	1375.1	1372.2	1370.8	1373.8	1380.0	1384.6	1383.8
180°	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1
2.5°	3274.7	3265.6	3274.7	3268.6	3271.6	3262.5	3235.4	3226.3	3235.4	3244.4	3244.4
5°	3313.9	3307.9	3313.9	3313.9	3310.9	3304.8	3274.7	3268.6	3274.7	3277.6	3271.6
7.5°	3326.0	3316.9	3326.0	3319.9	3319.9	3313.9	3283.7	3277.6	3280.6	3289.8	3280.6
10°	3326.0	3316.9	3326.0	3323.0	3319.9	3313.9	3283.7	3271.6	3271.6	3280.6	3271.6
12.5°	3310.9	3304.8	3310.9	3304.8	3304.8	3298.8	3268.6	3256.5	3259.5	3262.5	3250.5
15°	3286.7	3277.6	3286.7	3280.6	3283.7	3274.7	3241.4	3229.3	3229.3	3235.4	3214.2
17.5°	3250.5	3238.3	3250.5	3247.4	3244.4	3238.3	3208.2	3196.1	3193.1	3196.1	3180.9
20°	3208.2	3199.1	3208.2	3205.1	3205.1	3193.1	3162.8	3147.7	3147.7	3147.7	3132.6
22.5°	3141.7	3132.6	3141.7	3147.7	3147.7	3144.7	3117.6	3096.4	3090.3	3090.3	3072.2
25°	3066.1	3057.1	3066.1	3066.1	3063.2	3066.1	3057.1	3045.1	3036.0	3026.9	3008.8
27.5°	2993.7	2987.6	2993.7	2987.6	2993.7	2984.7	2981.6	2978.6	2966.5	2957.4	2933.2
30°	2921.2	2915.1	2921.2	2915.1	2909.1	2903.1	2888.0	2881.9	2894.0	2888.0	2848.7
32.5°	2830.6	2824.5	2830.6	2830.6	2824.5	2824.5	2800.3	2791.3	2794.3	2812.5	2776.2
35°	2737.0	2727.8	2737.0	2733.9	2737.0	2727.8	2712.8	2709.7	2697.7	2718.7	2691.6
37.5°	2628.1	2619.1	2628.1	2628.1	2628.1	2634.2	2622.2	2613.1	2594.9	2622.2	2601.0
40°	2516.4	2504.3	2516.4	2513.4	2516.4	2522.5	2516.4	2510.3	2492.2	2513.4	2495.2
42.5°	2389.5	2386.5	2389.5	2392.5	2392.5	2404.6	2413.6	2401.6	2395.5	2380.4	2392.5
45°	2253.6	2247.5	2253.6	2259.6	2262.6	2268.7	2295.9	2295.9	2286.8	2262.6	2280.7
47.5°	2108.5	2093.5	2108.5	2126.7	2126.7	2135.8	2162.9	2184.1	2169.0	2138.8	2147.8
50°	1954.5	1957.5	1954.5	1966.6	1966.6	1999.8	2021.0	2042.1	2057.2	2021.0	1978.7
52.5°	1803.4	1800.4	1803.4	1812.6	1824.6	1839.7	1875.9	1897.1	1921.3	1900.1	1833.7
55°	1652.4	1658.5	1652.4	1655.5	1661.5	1670.5	1724.9	1746.1	1791.4	1764.2	1694.7
57.5°	1501.4	1492.3	1501.4	1507.5	1510.4	1519.5	1564.9	1604.1	1631.3	1634.3	1549.7
60°	1326.2	1314.1	1326.2	1353.4	1359.4	1365.4	1407.8	1444.0	1468.2	1477.2	1389.6
62.5°	1172.1	1150.9	1172.1	1190.2	1202.3	1217.4	1247.6	1302.0	1323.1	1326.2	1202.3
65°	1008.9	999.9	1008.9	1045.3	1048.2	1066.3	1099.6	1138.9	1184.1	1178.2	999.9
67.5°	860.9	860.9	860.9	885.1	903.2	912.3	954.6	972.7	1030.1	1036.2	833.8
70°	725.0	722.0	725.0	743.1	755.2	776.4	815.7	836.7	882.1	897.2	676.7
72.5°	595.1	592.1	595.1	610.2	622.3	640.5	673.7	697.9	737.1	755.2	525.7
75°	480.3	474.2	480.3	492.4	489.4	513.5	540.7	564.9	601.2	613.2	389.7
77.5°	368.6	368.6	368.6	380.6	380.6	404.8	416.9	447.1	468.3	486.4	287.0
80°	274.9	271.9	274.9	278.0	278.0	290.0	311.2	332.3	350.4	350.4	196.4
82.5°	193.3	187.3	193.3	193.3	193.3	199.4	211.5	217.5	229.6	238.7	123.9
85°	120.9	120.9	120.9	123.9	120.9	126.8	129.9	135.9	135.9	129.9	75.5
87.5°	78.6	75.5	78.6	75.5	75.5	72.5	72.5	72.5	69.4	66.5	42.3
90°	35.1	35.1	35.1	35.1	35.1	46.8	62.4	70.2	60.4	40.7	25.9
92.5°	140.7	112.7	140.7	168.6	175.6	249.0	346.7	395.6	347.3	250.8	178.4
95°	490.4	405.8	490.4	575.0	596.2	782.9	1031.9	1156.3	976.6	617.2	347.6
97.5°	1175.0	1014.0	1175.0	1336.1	1376.3	1494.3	1651.7	1730.3	1430.7	831.3	381.8
100°	1692.9	1501.1	1692.9	1884.9	1932.8	1924.1	1912.6	1906.9	1574.3	909.2	410.4
102.5°	2202.5	2038.1	2202.5	2366.8	2407.8	2257.5	2057.0	1956.8	1619.6	945.0	439.1
105°	2852.0	2763.7	2852.0	2940.4	2962.4	2625.4	2175.9	1951.3	1624.7	971.4	481.6
107.5°	3277.5	3298.9	3277.5	3256.2	3250.8	2780.7	2153.8	1840.3	1552.4	976.3	544.4
110°	3439.8	3531.8	3439.8	3347.8	3324.7	2799.2	2098.4	1747.9	1488.3	969.0	579.6



TEST NUMBER: P935745

CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3454.3	3595.6	3454.3	3313.0	3277.6	2739.6	2022.4	1663.8	1432.3	969.3	622.1
115°	3362.7	3558.6	3362.7	3166.7	3117.7	2599.5	1908.5	1563.1	1368.1	978.2	685.8
117.5°	3168.4	3385.8	3168.4	2951.2	2896.8	2429.1	1805.5	1493.7	1328.0	996.4	747.7
120°	3012.0	3223.1	3012.0	2800.8	2748.0	2320.6	1750.9	1465.9	1314.4	1011.2	783.8
122.5°	2859.6	3067.8	2859.6	2651.3	2599.2	2214.4	1701.2	1444.7	1307.2	1032.4	826.3
125°	2642.2	2834.0	2642.2	2450.2	2402.3	2075.4	1639.6	1421.6	1301.4	1061.1	880.8
127.5°	2446.6	2608.4	2446.6	2284.7	2244.2	1963.6	1589.3	1402.2	1298.0	1089.8	933.6
130°	2331.3	2480.9	2331.3	2181.8	2144.4	1894.6	1561.4	1394.8	1300.1	1110.7	968.7
132.5°	2226.8	2360.7	2226.8	2092.8	2059.4	1835.7	1537.4	1388.3	1301.4	1127.6	997.3
135°	2083.6	2199.0	2083.6	1968.0	1939.2	1751.9	1502.1	1377.2	1300.2	1146.1	1030.6
137.5°	1968.6	2063.1	1968.6	1874.1	1850.5	1692.1	1480.9	1375.3	1308.2	1173.9	1073.1
140°	1889.8	1978.0	1889.8	1801.4	1779.3	1642.5	1460.1	1368.9	1309.6	1190.8	1101.8
142.5°	1824.3	1900.4	1824.3	1748.4	1729.4	1609.2	1449.0	1368.9	1314.3	1204.9	1123.0
145°	1726.4	1783.9	1726.4	1668.9	1654.6	1556.3	1425.2	1359.6	1314.3	1223.5	1155.4
147.5°	1651.3	1698.9	1651.3	1603.6	1591.7	1514.3	1411.2	1359.6	1323.3	1250.6	1196.1
150°	1603.9	1642.5	1603.9	1565.3	1555.7	1490.3	1403.2	1359.6	1328.0	1264.8	1217.4
152.5°	1563.4	1592.6	1563.4	1534.3	1527.0	1471.2	1396.9	1359.6	1331.1	1274.0	1231.2
155°	1516.9	1536.2	1516.9	1497.6	1492.8	1448.5	1389.3	1359.6	1337.9	1294.4	1261.7
157.5°	1480.1	1493.7	1480.1	1466.6	1463.2	1428.6	1382.7	1359.6	1344.6	1314.7	1292.2
160°	1458.1	1465.9	1458.1	1450.3	1448.4	1418.8	1379.4	1359.6	1347.8	1323.9	1306.1
162.5°	1443.8	1451.2	1443.8	1436.4	1434.5	1409.5	1376.2	1359.6	1351.0	1333.8	1320.8
165°	1423.0	1430.9	1423.0	1415.2	1413.3	1395.4	1371.6	1359.6	1355.7	1347.9	1342.1
167.5°	1408.1	1411.4	1408.1	1404.8	1404.0	1392.3	1376.7	1368.9	1365.6	1359.0	1354.1
170°	1404.0	1404.0	1404.0	1404.0	1404.0	1392.3	1376.7	1368.9	1368.7	1368.3	1368.0
172.5°	1393.0	1390.2	1393.0	1396.0	1396.7	1387.4	1375.1	1368.9	1368.9	1368.9	1368.9
175°	1386.5	1386.5	1386.5	1386.5	1386.5	1380.6	1372.8	1368.9	1370.8	1374.5	1377.2
177.5°	1380.5	1377.2	1380.5	1383.8	1384.6	1380.0	1373.8	1370.8	1372.2	1375.1	1377.2
180°	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2



TEST NUMBER: P935745

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1
2.5°	3238.3	3220.2	3220.2	3190.0	3178.0	3168.9	3153.8	3108.5	3096.4	3084.3	3102.5
5°	3265.6	3232.4	3208.2	3153.8	3108.5	3090.3	3032.9	2924.2	2851.7	2797.3	2767.1
7.5°	3271.6	3229.3	3184.0	3099.4	2990.6	2942.3	2767.1	2567.7	2513.4	2465.1	2434.8
10°	3265.6	3217.3	3153.8	3026.9	2770.2	2685.5	2510.3	2380.4	2347.2	2338.1	2347.2
12.5°	3244.4	3199.1	3111.5	2900.0	2540.6	2483.2	2380.4	2304.9	2298.9	2314.0	2395.5
15°	3208.2	3165.9	3063.2	2730.9	2413.6	2371.4	2298.9	2271.7	2304.9	2410.7	2655.4
17.5°	3171.9	3123.5	2996.7	2564.8	2317.0	2286.8	2235.5	2289.8	2477.1	2619.1	2700.6
20°	3123.5	3066.1	2921.2	2443.9	2247.5	2220.3	2196.2	2440.9	2582.9	2634.2	2679.6
22.5°	3066.1	3005.8	2818.4	2359.3	2175.0	2153.9	2169.0	2525.5	2582.9	2619.1	2658.4
25°	2990.6	2939.3	2697.7	2292.9	2117.7	2093.5	2150.9	2516.4	2549.6	2558.7	2637.2
27.5°	2921.2	2854.7	2570.7	2232.4	2048.1	2039.1	2165.9	2477.1	2501.3	2510.3	2594.9
30°	2836.6	2737.0	2428.8	2169.0	1975.6	1972.6	2169.0	2428.8	2422.7	2446.9	2531.5
32.5°	2749.0	2561.7	2268.7	2090.4	1906.2	1903.2	2147.8	2356.2	2350.3	2383.5	2446.9
35°	2667.4	2425.8	2051.2	1999.8	1818.5	1821.6	2096.5	2271.7	2274.8	2304.9	2344.2
37.5°	2582.9	2308.0	1812.6	1900.1	1734.0	1734.0	2027.0	2193.2	2187.1	2196.2	2250.6
40°	2483.2	2123.6	1601.1	1770.2	1655.5	1646.3	1942.4	2108.5	2087.4	2084.4	2160.0
42.5°	2377.4	1921.3	1444.0	1598.1	1564.9	1552.7	1839.7	2005.9	1966.6	1975.6	2072.3
45°	2262.6	1866.9	1323.1	1350.4	1471.1	1462.1	1727.9	1888.1	1860.8	1885.0	1984.7
47.5°	2147.8	1758.1	1283.9	1120.8	1371.5	1368.5	1604.1	1773.3	1758.1	1782.3	1888.1
50°	1990.7	1637.3	1280.8	960.6	1259.7	1271.8	1456.0	1661.5	1661.5	1682.6	1794.4
52.5°	1788.4	1489.2	1163.0	870.0	1129.8	1166.0	1326.2	1564.9	1570.8	1592.0	1691.7
55°	1604.1	1335.3	1078.5	800.5	975.7	1054.3	1199.3	1465.1	1477.2	1498.4	1589.0
57.5°	1434.9	1111.7	1060.3	719.0	833.8	909.3	1087.5	1368.5	1374.5	1392.7	1480.2
60°	1253.7	803.5	972.7	631.4	709.9	767.3	984.8	1253.7	1274.8	1286.9	1362.4
62.5°	1048.2	583.1	882.1	570.9	649.5	661.6	900.2	1144.9	1172.1	1181.2	1226.5
65°	746.1	489.4	749.2	519.6	586.0	589.0	809.6	1033.1	1057.3	1072.4	1105.6
67.5°	504.5	398.7	570.9	471.2	537.7	540.7	722.0	903.2	936.4	948.6	969.7
70°	350.4	265.8	422.9	419.9	483.4	489.4	628.3	785.4	815.7	824.7	836.7
72.5°	256.8	214.5	350.4	377.6	426.0	432.0	531.6	652.5	682.7	691.8	697.9
75°	196.4	226.5	283.9	329.3	362.5	365.5	435.0	531.6	552.8	558.9	561.9
77.5°	157.1	211.5	208.4	265.8	296.1	290.0	341.3	410.9	429.0	429.0	429.0
80°	117.8	166.1	157.1	190.3	217.5	211.5	244.7	293.0	299.0	305.1	302.1
82.5°	87.6	105.7	105.7	120.9	145.0	139.0	163.2	190.3	190.3	190.3	196.4
85°	54.4	60.4	48.3	63.5	81.6	78.6	90.6	102.7	105.7	105.7	99.7
87.5°	33.2	27.2	15.1	24.2	36.2	36.2	42.3	45.3	42.3	42.3	42.3
90°	24.0	16.7	9.3	16.7	24.0	25.9	40.7	60.4	70.2	62.4	46.8
92.5°	162.7	99.8	37.0	99.8	162.7	178.4	250.8	347.3	395.6	346.7	249.0
95°	318.8	203.8	88.7	203.8	318.8	347.6	617.2	976.6	1156.3	1031.9	782.9
97.5°	356.4	254.9	153.4	254.9	356.4	381.8	831.3	1430.7	1730.3	1651.7	1494.3
100°	387.4	295.4	203.3	295.4	387.4	410.4	909.2	1574.3	1906.9	1912.6	1924.1
102.5°	417.6	331.7	245.8	331.7	417.6	439.1	945.0	1619.6	1956.8	2057.0	2257.5
105°	463.4	390.7	318.0	390.7	463.4	481.6	971.4	1624.7	1951.3	2175.9	2625.4
107.5°	527.4	459.7	391.9	459.7	527.4	544.4	976.3	1552.4	1840.3	2153.8	2780.7
110°	564.3	503.1	441.8	503.1	564.3	579.6	969.0	1488.3	1747.9	2098.4	2799.2



TEST NUMBER: P935745

CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	607.5	549.1	490.9	549.1	607.5	622.1	969.3	1432.3	1663.8	2022.4	2739.6
115°	672.3	618.6	564.8	618.6	672.3	685.8	978.2	1368.1	1563.1	1908.5	2599.5
117.5°	735.5	686.7	637.8	686.7	735.5	747.7	996.4	1328.0	1493.7	1805.5	2429.1
120°	772.3	726.3	680.3	726.3	772.3	783.8	1011.2	1314.4	1465.9	1750.9	2320.6
122.5°	814.7	768.3	721.9	768.3	814.7	826.3	1032.4	1307.2	1444.7	1701.2	2214.4
125°	870.3	828.0	785.7	828.0	870.3	880.8	1061.1	1301.4	1421.6	1639.6	2075.4
127.5°	922.9	880.2	837.5	880.2	922.9	933.6	1089.8	1298.0	1402.2	1589.3	1963.6
130°	957.2	911.2	865.1	911.2	957.2	968.7	1110.7	1300.1	1394.8	1561.4	1894.6
132.5°	985.8	939.8	893.8	939.8	985.8	997.3	1127.6	1301.4	1388.3	1537.4	1835.7
135°	1020.2	978.2	936.4	978.2	1020.2	1030.6	1146.1	1300.2	1377.2	1502.1	1751.9
137.5°	1062.8	1021.2	979.7	1021.2	1062.8	1073.1	1173.9	1308.2	1375.3	1480.9	1692.1
140°	1092.2	1054.0	1015.8	1054.0	1092.2	1101.8	1190.8	1309.6	1368.9	1460.1	1642.5
142.5°	1114.2	1078.9	1043.6	1078.9	1114.2	1123.0	1204.9	1314.3	1368.9	1449.0	1609.2
145°	1147.7	1116.8	1086.1	1116.8	1147.7	1155.4	1223.5	1314.3	1359.6	1425.2	1556.3
147.5°	1188.6	1158.6	1128.6	1158.6	1188.6	1196.1	1250.6	1323.3	1359.6	1411.2	1514.3
150°	1210.6	1183.4	1156.3	1183.4	1210.6	1217.4	1264.8	1328.0	1359.6	1403.2	1490.3
152.5°	1226.0	1205.5	1185.0	1205.5	1226.0	1231.2	1274.0	1331.1	1359.6	1396.9	1471.2
155°	1257.9	1242.7	1227.5	1242.7	1257.9	1261.7	1294.4	1337.9	1359.6	1389.3	1448.5
157.5°	1288.5	1273.7	1259.0	1273.7	1288.5	1292.2	1314.7	1344.6	1359.6	1382.7	1428.6
160°	1303.2	1291.7	1280.2	1291.7	1303.2	1306.1	1323.9	1347.8	1359.6	1379.4	1418.8
162.5°	1318.7	1310.0	1301.4	1310.0	1318.7	1320.8	1333.8	1351.0	1359.6	1376.2	1409.5
165°	1340.2	1332.4	1324.6	1332.4	1340.2	1342.1	1347.9	1355.7	1359.6	1371.6	1395.4
167.5°	1353.2	1349.5	1345.8	1349.5	1353.2	1354.1	1359.0	1365.6	1368.9	1376.7	1392.3
170°	1367.1	1363.4	1359.6	1363.4	1367.1	1368.0	1368.3	1368.7	1368.9	1376.7	1392.3
172.5°	1368.7	1367.9	1367.0	1367.9	1368.7	1368.9	1368.9	1368.9	1368.9	1375.1	1387.4
175°	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1374.5	1370.8	1368.9	1372.8	1380.6
177.5°	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1375.1	1372.2	1370.8	1373.8	1380.0
180°	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2



TEST NUMBER: P935745

CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1
2.5°	3081.3	3072.2	3084.3	3051.1	3084.3	3072.2	3081.3	3102.5	3084.3	3096.4	3108.5
5°	2703.7	2688.6	2640.3	2601.0	2640.3	2688.6	2703.7	2767.1	2797.3	2851.7	2924.2
7.5°	2416.7	2404.6	2392.5	2368.4	2392.5	2404.6	2416.7	2434.8	2465.1	2513.4	2567.7
10°	2353.3	2356.2	2374.4	2371.4	2374.4	2356.2	2353.3	2347.2	2338.1	2347.2	2380.4
12.5°	2516.4	2543.6	2643.2	2637.2	2643.2	2543.6	2516.4	2395.5	2314.0	2298.9	2304.9
15°	2703.7	2712.8	2733.9	2737.0	2733.9	2712.8	2703.7	2655.4	2410.7	2304.9	2271.7
17.5°	2721.8	2724.8	2739.9	2739.9	2739.9	2724.8	2721.8	2700.6	2619.1	2477.1	2289.8
20°	2706.7	2712.8	2742.9	2749.0	2742.9	2712.8	2706.7	2679.6	2634.2	2582.9	2440.9
22.5°	2700.6	2712.8	2737.0	2733.9	2737.0	2712.8	2700.6	2658.4	2619.1	2582.9	2525.5
25°	2670.5	2670.5	2673.5	2676.5	2673.5	2670.5	2670.5	2637.2	2558.7	2549.6	2516.4
27.5°	2607.0	2613.1	2631.2	2628.1	2631.2	2613.1	2607.0	2594.9	2510.3	2501.3	2477.1
30°	2549.6	2543.6	2528.4	2516.4	2528.4	2543.6	2549.6	2531.5	2446.9	2422.7	2428.8
32.5°	2452.9	2437.8	2422.7	2413.6	2422.7	2437.8	2452.9	2446.9	2383.5	2350.3	2356.2
35°	2338.1	2341.2	2338.1	2329.1	2338.1	2341.2	2338.1	2344.2	2304.9	2274.8	2271.7
37.5°	2256.6	2262.6	2259.6	2247.5	2259.6	2262.6	2256.6	2250.6	2196.2	2187.1	2193.2
40°	2172.0	2175.0	2172.0	2162.9	2172.0	2175.0	2172.0	2160.0	2084.4	2087.4	2108.5
42.5°	2090.4	2087.4	2078.4	2072.3	2078.4	2087.4	2090.4	2072.3	1975.6	1966.6	2005.9
45°	1996.8	1999.8	1981.7	1972.6	1981.7	1999.8	1996.8	1984.7	1885.0	1860.8	1888.1
47.5°	1903.2	1903.2	1888.1	1879.0	1888.1	1903.2	1903.2	1888.1	1782.3	1758.1	1773.3
50°	1803.4	1800.4	1779.3	1776.3	1779.3	1800.4	1803.4	1794.4	1682.6	1661.5	1661.5
52.5°	1688.7	1688.7	1691.7	1697.8	1691.7	1688.7	1688.7	1691.7	1592.0	1570.8	1564.9
55°	1589.0	1592.0	1613.1	1619.2	1613.1	1592.0	1589.0	1589.0	1498.4	1477.2	1465.1
57.5°	1486.3	1486.3	1501.4	1501.4	1501.4	1486.3	1486.3	1480.2	1392.7	1374.5	1368.5
60°	1368.5	1374.5	1386.6	1383.6	1386.6	1374.5	1368.5	1362.4	1286.9	1274.8	1253.7
62.5°	1244.6	1250.6	1253.7	1247.6	1253.7	1250.6	1244.6	1226.5	1181.2	1172.1	1144.9
65°	1114.7	1120.8	1123.8	1117.7	1123.8	1120.8	1114.7	1105.6	1072.4	1057.3	1033.1
67.5°	981.8	978.8	975.7	987.9	975.7	978.8	981.8	969.7	948.6	936.4	903.2
70°	845.8	845.8	842.8	848.9	842.8	845.8	845.8	836.7	824.7	815.7	785.4
72.5°	700.9	697.9	709.9	700.9	709.9	697.9	700.9	697.9	691.8	682.7	652.5
75°	558.9	564.9	558.9	567.9	558.9	564.9	558.9	561.9	558.9	552.8	531.6
77.5°	426.0	432.0	426.0	426.0	426.0	432.0	426.0	429.0	429.0	429.0	410.9
80°	302.1	299.0	299.0	296.1	299.0	299.0	302.1	302.1	305.1	299.0	293.0
82.5°	193.3	190.3	190.3	196.4	190.3	190.3	193.3	196.4	190.3	190.3	190.3
85°	105.7	108.7	102.7	102.7	102.7	108.7	105.7	99.7	105.7	105.7	102.7
87.5°	39.3	36.2	36.2	36.2	36.2	36.2	39.3	42.3	42.3	42.3	45.3
90°	35.1	35.1	35.1	35.1	35.1	35.1	35.1	46.8	62.4	70.2	60.4
92.5°	175.6	168.6	140.7	112.7	140.7	168.6	175.6	249.0	346.7	395.6	347.3
95°	596.2	575.0	490.4	405.8	490.4	575.0	596.2	782.9	1031.9	1156.3	976.6
97.5°	1376.3	1336.1	1175.0	1014.0	1175.0	1336.1	1376.3	1494.3	1651.7	1730.3	1430.7
100°	1932.8	1884.9	1692.9	1501.1	1692.9	1884.9	1932.8	1924.1	1912.6	1906.9	1574.3
102.5°	2407.8	2366.8	2202.5	2038.1	2202.5	2366.8	2407.8	2257.5	2057.0	1956.8	1619.6
105°	2962.4	2940.4	2852.0	2763.7	2852.0	2940.4	2962.4	2625.4	2175.9	1951.3	1624.7
107.5°	3250.8	3256.2	3277.5	3298.9	3277.5	3256.2	3250.8	2780.7	2153.8	1840.3	1552.4
110°	3324.7	3347.8	3439.8	3531.8	3439.8	3347.8	3324.7	2799.2	2098.4	1747.9	1488.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3277.6	3313.0	3454.3	3595.6	3454.3	3313.0	3277.6	2739.6	2022.4	1663.8	1432.3
115°	3117.7	3166.7	3362.7	3558.6	3362.7	3166.7	3117.7	2599.5	1908.5	1563.1	1368.1
117.5°	2896.8	2951.2	3168.4	3385.8	3168.4	2951.2	2896.8	2429.1	1805.5	1493.7	1328.0
120°	2748.0	2800.8	3012.0	3223.1	3012.0	2800.8	2748.0	2320.6	1750.9	1465.9	1314.4
122.5°	2599.2	2651.3	2859.6	3067.8	2859.6	2651.3	2599.2	2214.4	1701.2	1444.7	1307.2
125°	2402.3	2450.2	2642.2	2834.0	2642.2	2450.2	2402.3	2075.4	1639.6	1421.6	1301.4
127.5°	2244.2	2284.7	2446.6	2608.4	2446.6	2284.7	2244.2	1963.6	1589.3	1402.2	1298.0
130°	2144.4	2181.8	2331.3	2480.9	2331.3	2181.8	2144.4	1894.6	1561.4	1394.8	1300.1
132.5°	2059.4	2092.8	2226.8	2360.7	2226.8	2092.8	2059.4	1835.7	1537.4	1388.3	1301.4
135°	1939.2	1968.0	2083.6	2199.0	2083.6	1968.0	1939.2	1751.9	1502.1	1377.2	1300.2
137.5°	1850.5	1874.1	1968.6	2063.1	1968.6	1874.1	1850.5	1692.1	1480.9	1375.3	1308.2
140°	1779.3	1801.4	1889.8	1978.0	1889.8	1801.4	1779.3	1642.5	1460.1	1368.9	1309.6
142.5°	1729.4	1748.4	1824.3	1900.4	1824.3	1748.4	1729.4	1609.2	1449.0	1368.9	1314.3
145°	1654.6	1668.9	1726.4	1783.9	1726.4	1668.9	1654.6	1556.3	1425.2	1359.6	1314.3
147.5°	1591.7	1603.6	1651.3	1698.9	1651.3	1603.6	1591.7	1514.3	1411.2	1359.6	1323.3
150°	1555.7	1565.3	1603.9	1642.5	1603.9	1565.3	1555.7	1490.3	1403.2	1359.6	1328.0
152.5°	1527.0	1534.3	1563.4	1592.6	1563.4	1534.3	1527.0	1471.2	1396.9	1359.6	1331.1
155°	1492.8	1497.6	1516.9	1536.2	1516.9	1497.6	1492.8	1448.5	1389.3	1359.6	1337.9
157.5°	1463.2	1466.6	1480.1	1493.7	1480.1	1466.6	1463.2	1428.6	1382.7	1359.6	1344.6
160°	1448.4	1450.3	1458.1	1465.9	1458.1	1450.3	1448.4	1418.8	1379.4	1359.6	1347.8
162.5°	1434.5	1436.4	1443.8	1451.2	1443.8	1436.4	1434.5	1409.5	1376.2	1359.6	1351.0
165°	1413.3	1415.2	1423.0	1430.9	1423.0	1415.2	1413.3	1395.4	1371.6	1359.6	1355.7
167.5°	1404.0	1404.8	1408.1	1411.4	1408.1	1404.8	1404.0	1392.3	1376.7	1368.9	1365.6
170°	1404.0	1404.0	1404.0	1404.0	1404.0	1404.0	1404.0	1392.3	1376.7	1368.9	1368.7
172.5°	1396.7	1396.0	1393.0	1390.2	1393.0	1396.0	1396.7	1387.4	1375.1	1368.9	1368.9
175°	1386.5	1386.5	1386.5	1386.5	1386.5	1386.5	1386.5	1380.6	1372.8	1368.9	1370.8
177.5°	1384.6	1383.8	1380.5	1377.2	1380.5	1383.8	1384.6	1380.0	1373.8	1370.8	1372.2
180°	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3193.1	3193.1	3193.1	3193.1	3193.1
2.5°	3153.8	3168.9	3178.0	3190.0	3220.2
5°	3032.9	3090.3	3108.5	3153.8	3208.2
7.5°	2767.1	2942.3	2990.6	3099.4	3184.0
10°	2510.3	2685.5	2770.2	3026.9	3153.8
12.5°	2380.4	2483.2	2540.6	2900.0	3111.5
15°	2298.9	2371.4	2413.6	2730.9	3063.2
17.5°	2235.5	2286.8	2317.0	2564.8	2996.7
20°	2196.2	2220.3	2247.5	2443.9	2921.2
22.5°	2169.0	2153.9	2175.0	2359.3	2818.4
25°	2150.9	2093.5	2117.7	2292.9	2697.7
27.5°	2165.9	2039.1	2048.1	2232.4	2570.7
30°	2169.0	1972.6	1975.6	2169.0	2428.8
32.5°	2147.8	1903.2	1906.2	2090.4	2268.7
35°	2096.5	1821.6	1818.5	1999.8	2051.2
37.5°	2027.0	1734.0	1734.0	1900.1	1812.6
40°	1942.4	1646.3	1655.5	1770.2	1601.1
42.5°	1839.7	1552.7	1564.9	1598.1	1444.0
45°	1727.9	1462.1	1471.1	1350.4	1323.1
47.5°	1604.1	1368.5	1371.5	1120.8	1283.9
50°	1456.0	1271.8	1259.7	960.6	1280.8
52.5°	1326.2	1166.0	1129.8	870.0	1163.0
55°	1199.3	1054.3	975.7	800.5	1078.5
57.5°	1087.5	909.3	833.8	719.0	1060.3
60°	984.8	767.3	709.9	631.4	972.7
62.5°	900.2	661.6	649.5	570.9	882.1
65°	809.6	589.0	586.0	519.6	749.2
67.5°	722.0	540.7	537.7	471.2	570.9
70°	628.3	489.4	483.4	419.9	422.9
72.5°	531.6	432.0	426.0	377.6	350.4
75°	435.0	365.5	362.5	329.3	283.9
77.5°	341.3	290.0	296.1	265.8	208.4
80°	244.7	211.5	217.5	190.3	157.1
82.5°	163.2	139.0	145.0	120.9	105.7
85°	90.6	78.6	81.6	63.5	48.3
87.5°	42.3	36.2	36.2	24.2	15.1
90°	40.7	25.9	24.0	16.7	9.3
92.5°	250.8	178.4	162.7	99.8	37.0
95°	617.2	347.6	318.8	203.8	88.7
97.5°	831.3	381.8	356.4	254.9	153.4
100°	909.2	410.4	387.4	295.4	203.3
102.5°	945.0	439.1	417.6	331.7	245.8
105°	971.4	481.6	463.4	390.7	318.0
107.5°	976.3	544.4	527.4	459.7	391.9
110°	969.0	579.6	564.3	503.1	441.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	969.3	622.1	607.5	549.1	490.9
115°	978.2	685.8	672.3	618.6	564.8
117.5°	996.4	747.7	735.5	686.7	637.8
120°	1011.2	783.8	772.3	726.3	680.3
122.5°	1032.4	826.3	814.7	768.3	721.9
125°	1061.1	880.8	870.3	828.0	785.7
127.5°	1089.8	933.6	922.9	880.2	837.5
130°	1110.7	968.7	957.2	911.2	865.1
132.5°	1127.6	997.3	985.8	939.8	893.8
135°	1146.1	1030.6	1020.2	978.2	936.4
137.5°	1173.9	1073.1	1062.8	1021.2	979.7
140°	1190.8	1101.8	1092.2	1054.0	1015.8
142.5°	1204.9	1123.0	1114.2	1078.9	1043.6
145°	1223.5	1155.4	1147.7	1116.8	1086.1
147.5°	1250.6	1196.1	1188.6	1158.6	1128.6
150°	1264.8	1217.4	1210.6	1183.4	1156.3
152.5°	1274.0	1231.2	1226.0	1205.5	1185.0
155°	1294.4	1261.7	1257.9	1242.7	1227.5
157.5°	1314.7	1292.2	1288.5	1273.7	1259.0
160°	1323.9	1306.1	1303.2	1291.7	1280.2
162.5°	1333.8	1320.8	1318.7	1310.0	1301.4
165°	1347.9	1342.1	1340.2	1332.4	1324.6
167.5°	1359.0	1354.1	1353.2	1349.5	1345.8
170°	1368.3	1368.0	1367.1	1363.4	1359.6
172.5°	1368.9	1368.9	1368.7	1367.9	1367.0
175°	1374.5	1377.2	1377.2	1377.2	1377.2
177.5°	1375.1	1377.2	1377.2	1377.2	1377.2
180°	1377.2	1377.2	1377.2	1377.2	1377.2



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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	14.00	14.84	14.97	15.83	17.13	16.84	17.68	17.81	18.67	19.96
	3H	14.47	15.23	15.46	16.23	17.55	18.18	18.94	19.17	19.93	21.25
	4H	14.66	15.38	15.66	16.38	17.71	18.63	19.34	19.62	20.34	21.67
	6H	14.78	15.44	15.79	16.45	17.79	18.91	19.57	19.92	20.58	21.92
	8H	14.78	15.41	15.80	16.43	17.77	18.99	19.62	20.00	20.64	21.97
	12H	14.75	15.35	15.77	16.36	17.73	19.03	19.62	20.05	20.64	22.00
4H	2H	15.03	15.75	16.03	16.75	18.07	17.24	17.96	18.25	18.96	20.29
	3H	16.06	16.65	17.07	17.68	19.02	18.75	19.35	19.76	20.37	21.72
	4H	16.33	16.88	17.35	17.90	19.26	19.28	19.82	20.30	20.84	22.21
	6H	16.45	16.92	17.49	17.97	19.33	19.64	20.11	20.68	21.16	22.52
	8H	16.46	16.90	17.49	17.94	19.31	19.75	20.19	20.78	21.23	22.60
	12H	16.43	16.82	17.48	17.87	19.26	19.81	20.20	20.86	21.26	22.64
8H	4H	16.78	17.22	17.82	18.26	19.64	19.40	19.84	20.43	20.88	22.25
	6H	17.04	17.41	18.10	18.49	19.86	19.84	20.20	20.89	21.28	22.65
	8H	17.09	17.41	18.15	18.47	19.86	19.99	20.31	21.06	21.37	22.77
	12H	17.07	17.35	18.14	18.41	19.84	20.09	20.37	21.16	21.43	22.86
12H	4H	16.79	17.19	17.84	18.24	19.62	19.36	19.76	20.41	20.81	22.19
	6H	17.11	17.43	18.17	18.49	19.88	19.84	20.15	20.90	21.22	22.61
	8H	17.17	17.45	18.24	18.51	19.95	20.00	20.28	21.06	21.34	22.77