

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: P936190

Luminaire Tested: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936190
REPORT IS A COMBINATION OF REPORTS P933783 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

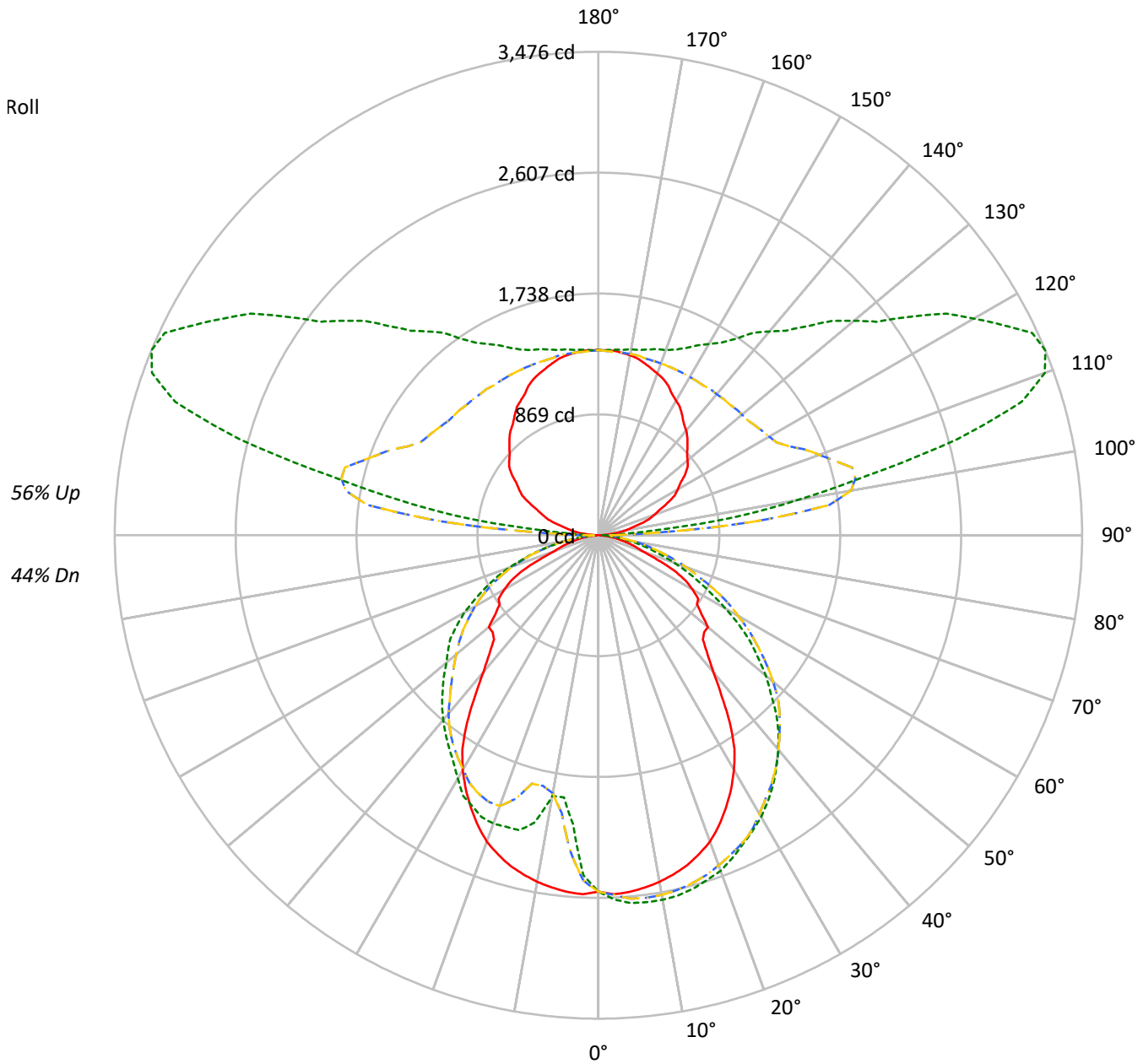
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15278.1 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 124.8
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	0
RCR																		
0	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	31
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30	26
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26	22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23	19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20	17
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15850	15850	15850	15850
5°	15962	15999	15962	12580
10°	15850	15760	15850	11267
15°	15671	15419	15671	12874
20°	15338	15014	15338	12902
25°	14660	14424	14660	12628
30°	13788	13934	13788	12029
35°	12286	13315	12286	11368
40°	10231	12585	10231	10870
45°	9136	11732	9136	10297
50°	9699	10714	9699	9721
55°	9115	9616	9115	9389
60°	9386	8167	9386	8600
65°	8497	6751	8497	7547
70°	5868	5380	5868	6326
75°	5128	3978	5128	4763
80°	4104	2629	4104	2863
85°	2313	1392	2313	1184

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14011 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.3	1.5
10°-20°	656.6	4.3
20°-30°	1015.1	6.6
30°-40°	1211.8	7.9
40°-50°	1218.9	8.0
50°-60°	1060.5	6.9
60°-70°	751.9	4.9
70°-80°	397.8	2.6
80°-90°	104.2	0.7
90°-100°	648.9	4.2
100°-110°	1706.1	11.2
110°-120°	1769.0	11.6
120°-130°	1418.9	9.3
130°-140°	1113.4	7.3
140°-150°	854.6	5.6
150°-160°	615.4	4.0
160°-170°	376.6	2.5
170°-180°	127.2	0.8
0°-30°	1903.0	12.5
0°-40°	3114.7	20.4
0°-60°	5394.1	35.3
0°-90°	6648.1	43.5
90°-120°	4124.0	27.0
90°-150°	7510.9	49.2
90°-180°	8630.0	56.5
0°-180°	15278.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2562	2562	2562	2562	2562	
5°	2574	2654	2574	2087	2574	244
15°	2458	2630	2458	2196	2458	692
25°	2164	2453	2164	2148	2164	994
35°	1646	2189	1646	1869	1646	1018
45°	1062	1803	1062	1583	1062	850
55°	865	1331	865	1299	865	795
65°	601	802	601	897	601	575
75°	228	381	228	456	228	240
85°	39	97	39	82	39	52
90°	9	34	9	34	9	9
95°	86	392	86	392	86	95
105°	307	2671	307	2671	307	326
115°	546	3440	546	3440	546	539
125°	759	2739	759	2739	759	674
135°	905	2126	905	2126	905	700
145°	1050	1724	1050	1724	1050	658
155°	1186	1485	1186	1485	1186	545
165°	1280	1383	1280	1383	1280	361
175°	1331	1340	1331	1340	1331	126
180°	1331	1331	1331	1331	1331	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1
2.5°	2583.8	2583.8	2598.5	2603.2	2603.2	2596.0	2588.7	2596.0	2617.8	2625.1	2622.6
5°	2574.2	2593.6	2620.2	2625.1	2630.0	2627.5	2622.6	2627.5	2651.7	2656.6	2659.0
7.5°	2554.8	2591.1	2625.1	2632.4	2639.6	2632.4	2630.0	2634.7	2659.0	2663.9	2663.9
10°	2530.6	2581.5	2620.2	2625.1	2632.4	2625.1	2625.1	2634.7	2659.0	2663.9	2666.3
12.5°	2496.7	2566.9	2603.2	2608.1	2617.8	2615.4	2613.0	2622.6	2646.9	2651.7	2651.7
15°	2457.9	2540.2	2574.2	2579.1	2596.0	2591.1	2591.1	2600.8	2627.5	2634.7	2632.4
17.5°	2404.5	2506.3	2545.1	2552.3	2564.5	2562.1	2564.5	2574.2	2598.5	2603.2	2605.7
20°	2344.0	2460.3	2506.3	2513.6	2525.7	2525.7	2525.7	2537.8	2562.1	2571.7	2571.7
22.5°	2261.5	2411.8	2460.3	2465.1	2479.7	2479.7	2484.5	2501.4	2523.3	2525.7	2525.7
25°	2164.5	2358.5	2399.6	2414.2	2428.8	2436.0	2443.3	2453.0	2460.3	2457.9	2460.3
27.5°	2062.7	2290.6	2344.0	2353.6	2373.0	2380.2	2390.0	2392.4	2394.9	2402.1	2397.2
30°	1948.8	2196.0	2276.1	2285.7	2317.2	2322.1	2312.4	2317.2	2329.3	2334.2	2339.1
32.5°	1820.3	2055.4	2205.8	2227.5	2256.7	2242.1	2239.7	2246.9	2266.3	2266.3	2271.2
35°	1645.8	1946.4	2140.3	2159.7	2181.5	2164.5	2174.2	2176.6	2188.8	2196.0	2193.6
37.5°	1454.4	1851.8	2072.4	2087.0	2104.0	2082.1	2096.7	2104.0	2113.6	2108.8	2108.8
40°	1284.7	1704.0	1992.4	2002.2	2016.7	1999.7	2014.3	2019.2	2023.9	2019.2	2016.7
42.5°	1158.6	1541.6	1907.6	1919.7	1910.0	1922.1	1927.0	1936.7	1929.4	1919.7	1919.7
45°	1061.7	1498.0	1815.5	1830.1	1815.5	1834.9	1842.2	1842.2	1820.3	1815.5	1813.1
47.5°	1030.2	1410.7	1723.4	1723.4	1716.1	1740.4	1752.5	1735.5	1713.7	1706.4	1706.4
50°	1027.8	1313.8	1597.3	1587.7	1621.6	1650.7	1638.6	1621.6	1604.6	1577.9	1577.9
52.5°	933.2	1195.0	1435.0	1471.3	1524.7	1541.6	1522.2	1505.3	1476.1	1464.0	1454.4
55°	865.3	1071.3	1287.1	1359.8	1415.6	1437.4	1401.0	1384.1	1340.4	1333.2	1328.3
57.5°	850.8	892.0	1151.3	1243.5	1311.3	1308.9	1287.1	1255.5	1219.2	1212.0	1209.5
60°	780.5	644.7	1005.9	1115.0	1185.3	1178.0	1158.6	1129.6	1095.6	1090.8	1085.9
62.5°	707.8	467.9	841.1	964.7	1064.1	1061.7	1044.7	1001.0	976.9	964.7	955.0
65°	601.2	392.7	598.7	802.3	945.4	950.1	913.8	882.3	855.7	841.1	838.7
67.5°	458.1	319.9	404.8	669.0	831.4	826.6	780.5	765.9	732.0	724.7	710.2
70°	339.3	213.3	281.2	542.9	719.9	707.8	671.5	654.5	622.9	605.9	596.3
72.5°	281.2	172.1	206.0	421.7	605.9	591.4	559.9	540.5	513.9	499.4	489.6
75°	227.9	181.8	157.6	312.7	492.0	482.4	453.2	433.9	412.1	392.7	395.1
77.5°	167.2	169.7	126.1	230.3	390.2	375.7	358.7	334.5	324.8	305.4	305.4
80°	126.1	133.3	94.5	157.6	281.2	281.2	266.6	249.6	232.7	223.0	223.0
82.5°	84.8	84.8	70.3	99.4	191.5	184.2	174.5	169.7	160.0	155.1	155.1
85°	38.8	48.5	43.6	60.6	104.2	109.1	109.1	104.2	101.8	96.9	99.4
87.5°	12.1	21.8	26.6	33.9	53.3	55.8	58.2	58.2	58.2	60.6	60.6
90°	9.0	16.1	23.2	25.0	39.3	58.4	67.9	60.4	45.3	34.0	34.0
92.5°	35.7	96.5	157.3	172.5	242.5	335.8	382.4	335.1	240.7	169.8	163.0
95°	85.8	196.9	308.2	336.0	596.6	944.0	1117.7	997.4	756.7	576.2	555.8
97.5°	148.3	246.4	344.5	369.0	803.5	1382.9	1672.6	1596.6	1444.4	1330.4	1291.4
100°	196.5	285.5	374.5	396.7	878.9	1521.8	1843.2	1848.8	1860.0	1868.3	1821.9
102.5°	237.7	320.7	403.7	424.4	913.5	1565.4	1891.5	1988.3	2182.1	2327.4	2287.7
105°	307.3	377.6	447.9	465.5	939.1	1570.4	1886.1	2103.3	2537.7	2863.6	2842.2
107.5°	378.8	444.4	509.9	526.2	943.7	1500.5	1778.9	2081.9	2687.8	3142.3	3147.5
110°	427.1	486.3	545.4	560.2	936.7	1438.5	1689.5	2028.2	2705.7	3213.8	3236.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	474.4	530.8	587.1	601.3	937.0	1384.5	1608.2	1954.9	2648.2	3168.2	3202.4
115°	545.9	597.9	650.0	663.0	945.5	1322.4	1510.8	1844.8	2512.7	3013.6	3061.0
117.5°	616.5	663.7	711.0	722.8	963.2	1283.6	1443.9	1745.3	2348.0	2800.1	2852.6
120°	657.6	702.1	746.6	757.7	977.4	1270.5	1417.0	1692.5	2243.2	2656.2	2707.2
122.5°	697.8	742.7	787.6	798.8	998.0	1263.7	1396.5	1644.5	2140.4	2512.4	2562.7
125°	759.4	800.3	841.3	851.5	1025.7	1258.0	1374.1	1584.8	2006.1	2322.1	2368.4
127.5°	809.5	850.7	892.1	902.4	1053.4	1254.7	1355.3	1536.2	1898.0	2169.3	2208.4
130°	836.3	880.8	925.3	936.4	1073.7	1256.8	1348.3	1509.3	1831.3	2072.8	2108.9
132.5°	864.0	908.5	953.0	964.1	1090.0	1258.0	1342.0	1486.1	1774.4	1990.6	2023.0
135°	905.1	945.5	986.1	996.3	1107.9	1256.8	1331.3	1452.0	1693.4	1874.5	1902.4
137.5°	947.1	987.2	1027.3	1037.3	1134.7	1264.5	1329.5	1431.5	1635.6	1788.7	1811.5
140°	981.9	1018.9	1055.8	1065.0	1151.1	1265.9	1323.2	1411.4	1587.7	1720.0	1741.3
142.5°	1008.7	1042.9	1077.0	1085.5	1164.8	1270.4	1323.2	1400.7	1555.5	1671.6	1690.0
145°	1049.8	1079.6	1109.4	1116.9	1182.7	1270.4	1314.3	1377.6	1504.3	1599.3	1613.2
147.5°	1090.9	1119.9	1148.9	1156.1	1208.8	1279.1	1314.3	1364.1	1463.7	1538.5	1550.1
150°	1117.7	1143.9	1170.1	1176.7	1222.5	1283.7	1314.3	1356.4	1440.5	1503.6	1513.0
152.5°	1145.4	1165.3	1185.2	1190.1	1231.5	1286.7	1314.3	1350.2	1422.1	1476.0	1483.0
155°	1186.5	1201.2	1215.9	1219.5	1251.1	1293.3	1314.3	1342.8	1400.0	1442.9	1447.6
157.5°	1216.9	1231.2	1245.5	1249.0	1270.8	1299.8	1314.3	1336.5	1381.0	1414.4	1417.6
160°	1237.5	1248.6	1259.6	1262.4	1279.7	1302.7	1314.3	1333.4	1371.5	1400.0	1401.9
162.5°	1258.0	1266.3	1274.6	1276.7	1289.2	1306.0	1314.3	1330.3	1362.5	1386.7	1388.5
165°	1280.4	1287.9	1295.4	1297.3	1302.9	1310.5	1314.3	1325.8	1348.8	1366.1	1368.0
167.5°	1300.9	1304.4	1308.1	1308.9	1313.7	1320.1	1323.2	1330.8	1345.9	1357.2	1357.9
170°	1314.3	1317.8	1321.4	1322.3	1322.6	1323.1	1323.2	1330.8	1345.9	1357.2	1357.2
172.5°	1321.4	1322.2	1323.1	1323.2	1323.2	1323.2	1323.2	1329.2	1341.1	1350.0	1349.3
175°	1331.3	1331.3	1331.3	1331.3	1328.6	1325.1	1323.2	1327.0	1334.5	1340.2	1340.2
177.5°	1331.3	1331.3	1331.3	1331.3	1329.2	1326.4	1325.0	1327.9	1333.9	1338.4	1337.7
180°	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1
2.5°	2627.5	2620.2	2627.5	2622.6	2625.1	2617.8	2596.0	2588.7	2596.0	2603.2	2603.2
5°	2659.0	2654.1	2659.0	2659.0	2656.6	2651.7	2627.5	2622.6	2627.5	2630.0	2625.1
7.5°	2668.7	2661.5	2668.7	2663.9	2663.9	2659.0	2634.7	2630.0	2632.4	2639.6	2632.4
10°	2668.7	2661.5	2668.7	2666.3	2663.9	2659.0	2634.7	2625.1	2625.1	2632.4	2625.1
12.5°	2656.6	2651.7	2656.6	2651.7	2651.7	2646.9	2622.6	2613.0	2615.4	2617.8	2608.1
15°	2637.2	2630.0	2637.2	2632.4	2634.7	2627.5	2600.8	2591.1	2591.1	2596.0	2579.1
17.5°	2608.1	2598.5	2608.1	2605.7	2603.2	2598.5	2574.2	2564.5	2562.1	2564.5	2552.3
20°	2574.2	2566.9	2574.2	2571.7	2571.7	2562.1	2537.8	2525.7	2525.7	2525.7	2513.6
22.5°	2520.8	2513.6	2520.8	2525.7	2525.7	2523.3	2501.4	2484.5	2479.7	2479.7	2465.1
25°	2460.3	2453.0	2460.3	2460.3	2457.9	2460.3	2453.0	2443.3	2436.0	2428.8	2414.2
27.5°	2402.1	2397.2	2402.1	2397.2	2402.1	2394.9	2392.4	2390.0	2380.2	2373.0	2353.6
30°	2344.0	2339.1	2344.0	2339.1	2334.2	2329.3	2317.2	2312.4	2322.1	2317.2	2285.7
32.5°	2271.2	2266.3	2271.2	2271.2	2266.3	2266.3	2246.9	2239.7	2242.1	2256.7	2227.5
35°	2196.0	2188.8	2196.0	2193.6	2196.0	2188.8	2176.6	2174.2	2164.5	2181.5	2159.7
37.5°	2108.8	2101.5	2108.8	2108.8	2108.8	2113.6	2104.0	2096.7	2082.1	2104.0	2087.0
40°	2019.2	2009.4	2019.2	2016.7	2019.2	2023.9	2019.2	2014.3	1999.7	2016.7	2002.2
42.5°	1917.4	1914.9	1917.4	1919.7	1919.7	1929.4	1936.7	1927.0	1922.1	1910.0	1919.7
45°	1808.2	1803.4	1808.2	1813.1	1815.5	1820.3	1842.2	1842.2	1834.9	1815.5	1830.1
47.5°	1691.9	1679.7	1691.9	1706.4	1706.4	1713.7	1735.5	1752.5	1740.4	1716.1	1723.4
50°	1568.3	1570.7	1568.3	1577.9	1577.9	1604.6	1621.6	1638.6	1650.7	1621.6	1587.7
52.5°	1447.1	1444.6	1447.1	1454.4	1464.0	1476.1	1505.3	1522.2	1541.6	1524.7	1471.3
55°	1325.8	1330.7	1325.8	1328.3	1333.2	1340.4	1384.1	1401.0	1437.4	1415.6	1359.8
57.5°	1204.6	1197.4	1204.6	1209.5	1212.0	1219.2	1255.5	1287.1	1308.9	1311.3	1243.5
60°	1064.1	1054.4	1064.1	1085.9	1090.8	1095.6	1129.6	1158.6	1178.0	1185.3	1115.0
62.5°	940.5	923.5	940.5	955.0	964.7	976.9	1001.0	1044.7	1061.7	1064.1	964.7
65°	809.6	802.3	809.6	838.7	841.1	855.7	882.3	913.8	950.1	945.4	802.3
67.5°	690.8	690.8	690.8	710.2	724.7	732.0	765.9	780.5	826.6	831.4	669.0
70°	581.7	579.3	581.7	596.3	605.9	622.9	654.5	671.5	707.8	719.9	542.9
72.5°	477.5	475.1	477.5	489.6	499.4	513.9	540.5	559.9	591.4	605.9	421.7
75°	385.4	380.6	385.4	395.1	392.7	412.1	433.9	453.2	482.4	492.0	312.7
77.5°	295.8	295.8	295.8	305.4	305.4	324.8	334.5	358.7	375.7	390.2	230.3
80°	220.6	218.1	220.6	223.0	223.0	232.7	249.6	266.6	281.2	281.2	157.6
82.5°	155.1	150.3	155.1	155.1	155.1	160.0	169.7	174.5	184.2	191.5	99.4
85°	96.9	96.9	96.9	99.4	96.9	101.8	104.2	109.1	109.1	104.2	60.6
87.5°	63.0	60.6	63.0	60.6	60.6	58.2	58.2	58.2	55.8	53.3	33.9
90°	34.0	34.0	34.0	34.0	34.0	45.3	60.4	67.9	58.4	39.3	25.0
92.5°	136.0	109.0	136.0	163.0	169.8	240.7	335.1	382.4	335.8	242.5	172.5
95°	474.0	392.2	474.0	555.8	576.2	756.7	997.4	1117.7	944.0	596.6	336.0
97.5°	1135.8	980.1	1135.8	1291.4	1330.4	1444.4	1596.6	1672.6	1382.9	803.5	369.0
100°	1636.5	1451.0	1636.5	1821.9	1868.3	1860.0	1848.8	1843.2	1521.8	878.9	396.7
102.5°	2128.9	1970.1	2128.9	2287.7	2327.4	2182.1	1988.3	1891.5	1565.4	913.5	424.4
105°	2756.8	2671.4	2756.8	2842.2	2863.6	2537.7	2103.3	1886.1	1570.4	939.1	465.5
107.5°	3168.1	3188.7	3168.1	3147.5	3142.3	2687.8	2081.9	1778.9	1500.5	943.7	526.2
110°	3324.9	3413.9	3324.9	3236.0	3213.8	2705.7	2028.2	1689.5	1438.5	936.7	560.2



TEST NUMBER: P936190

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3339.0	3475.5	3339.0	3202.4	3168.2	2648.2	1954.9	1608.2	1384.5	937.0	601.3
115°	3250.3	3439.8	3250.3	3061.0	3013.6	2512.7	1844.8	1510.8	1322.4	945.5	663.0
117.5°	3062.7	3272.8	3062.7	2852.6	2800.1	2348.0	1745.3	1443.9	1283.6	963.2	722.8
120°	2911.4	3115.5	2911.4	2707.2	2656.2	2243.2	1692.5	1417.0	1270.5	977.4	757.7
122.5°	2764.1	2965.4	2764.1	2562.7	2512.4	2140.4	1644.5	1396.5	1263.7	998.0	798.8
125°	2553.9	2739.3	2553.9	2368.4	2322.1	2006.1	1584.8	1374.1	1258.0	1025.7	851.5
127.5°	2364.9	2521.4	2364.9	2208.4	2169.3	1898.0	1536.2	1355.3	1254.7	1053.4	902.4
130°	2253.5	2398.0	2253.5	2108.9	2072.8	1831.3	1509.3	1348.3	1256.8	1073.7	936.4
132.5°	2152.4	2281.9	2152.4	2023.0	1990.6	1774.4	1486.1	1342.0	1258.0	1090.0	964.1
135°	2014.0	2125.5	2014.0	1902.4	1874.5	1693.4	1452.0	1331.3	1256.8	1107.9	996.3
137.5°	1902.9	1994.2	1902.9	1811.5	1788.7	1635.6	1431.5	1329.5	1264.5	1134.7	1037.3
140°	1826.6	1912.0	1826.6	1741.3	1720.0	1587.7	1411.4	1323.2	1265.9	1151.1	1065.0
142.5°	1763.5	1836.9	1763.5	1690.0	1671.6	1555.5	1400.7	1323.2	1270.4	1164.8	1085.5
145°	1668.8	1724.3	1668.8	1613.2	1599.3	1504.3	1377.6	1314.3	1270.4	1182.7	1116.9
147.5°	1596.1	1642.2	1596.1	1550.1	1538.5	1463.7	1364.1	1314.3	1279.1	1208.8	1156.1
150°	1550.3	1587.7	1550.3	1513.0	1503.6	1440.5	1356.4	1314.3	1283.7	1222.5	1176.7
152.5°	1511.2	1539.5	1511.2	1483.0	1476.0	1422.1	1350.2	1314.3	1286.7	1231.5	1190.1
155°	1466.2	1484.9	1466.2	1447.6	1442.9	1400.0	1342.8	1314.3	1293.3	1251.1	1219.5
157.5°	1430.8	1443.9	1430.8	1417.6	1414.4	1381.0	1336.5	1314.3	1299.8	1270.8	1249.0
160°	1409.5	1417.0	1409.5	1401.9	1400.0	1371.5	1333.4	1314.3	1302.7	1279.7	1262.4
162.5°	1395.5	1402.7	1395.5	1388.5	1386.7	1362.5	1330.3	1314.3	1306.0	1289.2	1276.7
165°	1375.5	1383.0	1375.5	1368.0	1366.1	1348.8	1325.8	1314.3	1310.5	1302.9	1297.3
167.5°	1361.2	1364.3	1361.2	1357.9	1357.2	1345.9	1330.8	1323.2	1320.1	1313.7	1308.9
170°	1357.2	1357.2	1357.2	1357.2	1357.2	1345.9	1330.8	1323.2	1323.1	1322.6	1322.3
172.5°	1346.6	1343.8	1346.6	1349.3	1350.0	1341.1	1329.2	1323.2	1323.2	1323.2	1323.2
175°	1340.2	1340.2	1340.2	1340.2	1340.2	1334.5	1327.0	1323.2	1325.1	1328.6	1331.3
177.5°	1334.4	1331.3	1334.4	1337.7	1338.4	1333.9	1327.9	1325.0	1326.4	1329.2	1331.3
180°	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3



TEST NUMBER: P936190

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1
2.5°	2598.5	2583.8	2583.8	2559.7	2549.9	2542.7	2530.6	2494.2	2484.5	2474.8	2489.3
5°	2620.2	2593.6	2574.2	2530.6	2494.2	2479.7	2433.6	2346.3	2288.2	2244.5	2220.3
7.5°	2625.1	2591.1	2554.8	2486.9	2399.6	2360.9	2220.3	2060.3	2016.7	1977.9	1953.6
10°	2620.2	2581.5	2530.6	2428.8	2222.8	2154.9	2014.3	1910.0	1883.4	1876.1	1883.4
12.5°	2603.2	2566.9	2496.7	2327.0	2038.5	1992.4	1910.0	1849.5	1844.6	1856.7	1922.1
15°	2574.2	2540.2	2457.9	2191.2	1936.7	1902.7	1844.6	1822.8	1849.5	1934.3	2130.6
17.5°	2545.1	2506.3	2404.5	2057.9	1859.1	1834.9	1793.7	1837.3	1987.6	2101.5	2167.0
20°	2506.3	2460.3	2344.0	1960.9	1803.4	1781.6	1762.2	1958.5	2072.4	2113.6	2150.0
22.5°	2460.3	2411.8	2261.5	1893.1	1745.2	1728.3	1740.4	2026.4	2072.4	2101.5	2133.0
25°	2399.6	2358.5	2164.5	1839.7	1699.1	1679.7	1725.8	2019.2	2045.8	2053.1	2116.1
27.5°	2344.0	2290.6	2062.7	1791.3	1643.4	1636.1	1737.9	1987.6	2007.0	2014.3	2082.1
30°	2276.1	2196.0	1948.8	1740.4	1585.2	1582.8	1740.4	1948.8	1944.0	1963.4	2031.2
32.5°	2205.8	2055.4	1820.3	1677.4	1529.5	1527.0	1723.4	1890.6	1885.8	1912.5	1963.4
35°	2140.3	1946.4	1645.8	1604.6	1459.1	1461.6	1682.2	1822.8	1825.2	1849.5	1881.0
37.5°	2072.4	1851.8	1454.4	1524.7	1391.3	1391.3	1626.5	1759.8	1754.9	1762.2	1805.8
40°	1992.4	1704.0	1284.7	1420.4	1328.3	1321.1	1558.6	1691.9	1674.9	1672.5	1733.1
42.5°	1907.6	1541.6	1158.6	1282.3	1255.5	1245.9	1476.1	1609.5	1577.9	1585.2	1662.8
45°	1815.5	1498.0	1061.7	1083.4	1180.5	1173.1	1386.5	1514.9	1493.1	1512.5	1592.5
47.5°	1723.4	1410.7	1030.2	899.2	1100.4	1098.1	1287.1	1422.9	1410.7	1430.1	1514.9
50°	1597.3	1313.8	1027.8	770.8	1010.8	1020.4	1168.3	1333.2	1333.2	1350.1	1439.8
52.5°	1435.0	1195.0	933.2	698.1	906.6	935.6	1064.1	1255.5	1260.4	1277.4	1357.3
55°	1287.1	1071.3	865.3	642.3	782.9	845.9	962.3	1175.6	1185.3	1202.2	1274.9
57.5°	1151.3	892.0	850.8	576.9	669.0	729.6	872.6	1098.1	1102.8	1117.4	1187.7
60°	1005.9	644.7	780.5	506.6	569.7	615.7	790.2	1005.9	1022.9	1032.5	1093.2
62.5°	841.1	467.9	707.8	458.1	521.1	530.8	722.4	918.6	940.5	947.7	984.1
65°	598.7	392.7	601.2	417.0	470.2	472.6	649.6	828.9	848.3	860.5	887.2
67.5°	404.8	319.9	458.1	378.1	431.5	433.9	579.3	724.7	751.4	761.1	778.0
70°	281.2	213.3	339.3	336.9	387.8	392.7	504.1	630.2	654.5	661.7	671.5
72.5°	206.0	172.1	281.2	303.0	341.8	346.7	426.6	523.5	547.8	555.0	559.9
75°	157.6	181.8	227.9	264.2	290.9	293.3	349.1	426.6	443.6	448.5	450.9
77.5°	126.1	169.7	167.2	213.3	237.5	232.7	273.9	329.7	344.2	344.2	344.2
80°	94.5	133.3	126.1	152.7	174.5	169.7	196.3	235.1	240.0	244.8	242.4
82.5°	70.3	84.8	84.8	96.9	116.3	111.5	130.9	152.7	152.7	152.7	157.6
85°	43.6	48.5	38.8	50.9	65.4	63.0	72.7	82.4	84.8	84.8	80.0
87.5°	26.6	21.8	12.1	19.4	29.1	29.1	33.9	36.4	33.9	33.9	33.9
90°	23.2	16.1	9.0	16.1	23.2	25.0	39.3	58.4	67.9	60.4	45.3
92.5°	157.3	96.5	35.7	96.5	157.3	172.5	242.5	335.8	382.4	335.1	240.7
95°	308.2	196.9	85.8	196.9	308.2	336.0	596.6	944.0	1117.7	997.4	756.7
97.5°	344.5	246.4	148.3	246.4	344.5	369.0	803.5	1382.9	1672.6	1596.6	1444.4
100°	374.5	285.5	196.5	285.5	374.5	396.7	878.9	1521.8	1843.2	1848.8	1860.0
102.5°	403.7	320.7	237.7	320.7	403.7	424.4	913.5	1565.4	1891.5	1988.3	2182.1
105°	447.9	377.6	307.3	377.6	447.9	465.5	939.1	1570.4	1886.1	2103.3	2537.7
107.5°	509.9	444.4	378.8	444.4	509.9	526.2	943.7	1500.5	1778.9	2081.9	2687.8
110°	545.4	486.3	427.1	486.3	545.4	560.2	936.7	1438.5	1689.5	2028.2	2705.7



TEST NUMBER: P936190

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	587.1	530.8	474.4	530.8	587.1	601.3	937.0	1384.5	1608.2	1954.9	2648.2
115°	650.0	597.9	545.9	597.9	650.0	663.0	945.5	1322.4	1510.8	1844.8	2512.7
117.5°	711.0	663.7	616.5	663.7	711.0	722.8	963.2	1283.6	1443.9	1745.3	2348.0
120°	746.6	702.1	657.6	702.1	746.6	757.7	977.4	1270.5	1417.0	1692.5	2243.2
122.5°	787.6	742.7	697.8	742.7	787.6	798.8	998.0	1263.7	1396.5	1644.5	2140.4
125°	841.3	800.3	759.4	800.3	841.3	851.5	1025.7	1258.0	1374.1	1584.8	2006.1
127.5°	892.1	850.7	809.5	850.7	892.1	902.4	1053.4	1254.7	1355.3	1536.2	1898.0
130°	925.3	880.8	836.3	880.8	925.3	936.4	1073.7	1256.8	1348.3	1509.3	1831.3
132.5°	953.0	908.5	864.0	908.5	953.0	964.1	1090.0	1258.0	1342.0	1486.1	1774.4
135°	986.1	945.5	905.1	945.5	986.1	996.3	1107.9	1256.8	1331.3	1452.0	1693.4
137.5°	1027.3	987.2	947.1	987.2	1027.3	1037.3	1134.7	1264.5	1329.5	1431.5	1635.6
140°	1055.8	1018.9	981.9	1018.9	1055.8	1065.0	1151.1	1265.9	1323.2	1411.4	1587.7
142.5°	1077.0	1042.9	1008.7	1042.9	1077.0	1085.5	1164.8	1270.4	1323.2	1400.7	1555.5
145°	1109.4	1079.6	1049.8	1079.6	1109.4	1116.9	1182.7	1270.4	1314.3	1377.6	1504.3
147.5°	1148.9	1119.9	1090.9	1119.9	1148.9	1156.1	1208.8	1279.1	1314.3	1364.1	1463.7
150°	1170.1	1143.9	1117.7	1143.9	1170.1	1176.7	1222.5	1283.7	1314.3	1356.4	1440.5
152.5°	1185.2	1165.3	1145.4	1165.3	1185.2	1190.1	1231.5	1286.7	1314.3	1350.2	1422.1
155°	1215.9	1201.2	1186.5	1201.2	1215.9	1219.5	1251.1	1293.3	1314.3	1342.8	1400.0
157.5°	1245.5	1231.2	1216.9	1231.2	1245.5	1249.0	1270.8	1299.8	1314.3	1336.5	1381.0
160°	1259.6	1248.6	1237.5	1248.6	1259.6	1262.4	1279.7	1302.7	1314.3	1333.4	1371.5
162.5°	1274.6	1266.3	1258.0	1266.3	1274.6	1276.7	1289.2	1306.0	1314.3	1330.3	1362.5
165°	1295.4	1287.9	1280.4	1287.9	1295.4	1297.3	1302.9	1310.5	1314.3	1325.8	1348.8
167.5°	1308.1	1304.4	1300.9	1304.4	1308.1	1308.9	1313.7	1320.1	1323.2	1330.8	1345.9
170°	1321.4	1317.8	1314.3	1317.8	1321.4	1322.3	1322.6	1323.1	1323.2	1330.8	1345.9
172.5°	1323.1	1322.2	1321.4	1322.2	1323.1	1323.2	1323.2	1323.2	1323.2	1329.2	1341.1
175°	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1328.6	1325.1	1323.2	1327.0	1334.5
177.5°	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1329.2	1326.4	1325.0	1327.9	1333.9
180°	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3



TEST NUMBER: P936190

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1
2.5°	2472.4	2465.1	2474.8	2448.1	2474.8	2465.1	2472.4	2489.3	2474.8	2484.5	2494.2
5°	2169.4	2157.2	2118.5	2087.0	2118.5	2157.2	2169.4	2220.3	2244.5	2288.2	2346.3
7.5°	1939.1	1929.4	1919.7	1900.4	1919.7	1929.4	1939.1	1953.6	1977.9	2016.7	2060.3
10°	1888.2	1890.6	1905.2	1902.7	1905.2	1890.6	1888.2	1883.4	1876.1	1883.4	1910.0
12.5°	2019.2	2040.9	2121.0	2116.1	2121.0	2040.9	2019.2	1922.1	1856.7	1844.6	1849.5
15°	2169.4	2176.6	2193.6	2196.0	2193.6	2176.6	2169.4	2130.6	1934.3	1849.5	1822.8
17.5°	2183.9	2186.4	2198.5	2198.5	2198.5	2186.4	2183.9	2167.0	2101.5	1987.6	1837.3
20°	2171.9	2176.6	2200.9	2205.8	2200.9	2176.6	2171.9	2150.0	2113.6	2072.4	1958.5
22.5°	2167.0	2176.6	2196.0	2193.6	2196.0	2176.6	2167.0	2133.0	2101.5	2072.4	2026.4
25°	2142.7	2142.7	2145.1	2147.6	2145.1	2142.7	2142.7	2116.1	2053.1	2045.8	2019.2
27.5°	2091.8	2096.7	2111.2	2108.8	2111.2	2096.7	2091.8	2082.1	2014.3	2007.0	1987.6
30°	2045.8	2040.9	2028.8	2019.2	2028.8	2040.9	2045.8	2031.2	1963.4	1944.0	1948.8
32.5°	1968.3	1956.1	1944.0	1936.7	1944.0	1956.1	1968.3	1963.4	1912.5	1885.8	1890.6
35°	1876.1	1878.5	1876.1	1868.8	1876.1	1878.5	1876.1	1881.0	1849.5	1825.2	1822.8
37.5°	1810.7	1815.5	1813.1	1803.4	1813.1	1815.5	1810.7	1805.8	1762.2	1754.9	1759.8
40°	1742.8	1745.2	1742.8	1735.5	1742.8	1745.2	1742.8	1733.1	1672.5	1674.9	1691.9
42.5°	1677.4	1674.9	1667.6	1662.8	1667.6	1674.9	1677.4	1662.8	1585.2	1577.9	1609.5
45°	1602.2	1604.6	1590.1	1582.8	1590.1	1604.6	1602.2	1592.5	1512.5	1493.1	1514.9
47.5°	1527.0	1527.0	1514.9	1507.7	1514.9	1527.0	1527.0	1514.9	1430.1	1410.7	1422.9
50°	1447.1	1444.6	1427.7	1425.2	1427.7	1444.6	1447.1	1439.8	1350.1	1333.2	1333.2
52.5°	1355.0	1355.0	1357.3	1362.2	1357.3	1355.0	1355.0	1357.3	1277.4	1260.4	1255.5
55°	1274.9	1277.4	1294.4	1299.2	1294.4	1277.4	1274.9	1274.9	1202.2	1185.3	1175.6
57.5°	1192.6	1192.6	1204.6	1204.6	1204.6	1192.6	1192.6	1187.7	1117.4	1102.8	1098.1
60°	1098.1	1102.8	1112.6	1110.2	1112.6	1102.8	1098.1	1093.2	1032.5	1022.9	1005.9
62.5°	998.6	1003.5	1005.9	1001.0	1005.9	1003.5	998.6	984.1	947.7	940.5	918.6
65°	894.5	899.2	901.7	896.8	901.7	899.2	894.5	887.2	860.5	848.3	828.9
67.5°	787.8	785.3	782.9	792.6	782.9	785.3	787.8	778.0	761.1	751.4	724.7
70°	678.7	678.7	676.2	681.1	676.2	678.7	678.7	671.5	661.7	654.5	630.2
72.5°	562.3	559.9	569.7	562.3	569.7	559.9	562.3	559.9	555.0	547.8	523.5
75°	448.5	453.2	448.5	455.7	448.5	453.2	448.5	450.9	448.5	443.6	426.6
77.5°	341.8	346.7	341.8	341.8	341.8	346.7	341.8	344.2	344.2	344.2	329.7
80°	242.4	240.0	240.0	237.5	240.0	240.0	242.4	242.4	244.8	240.0	235.1
82.5°	155.1	152.7	152.7	157.6	152.7	152.7	155.1	157.6	152.7	152.7	152.7
85°	84.8	87.3	82.4	82.4	82.4	87.3	84.8	80.0	84.8	84.8	82.4
87.5°	31.5	29.1	29.1	29.1	29.1	29.1	31.5	33.9	33.9	33.9	36.4
90°	34.0	34.0	34.0	34.0	34.0	34.0	34.0	45.3	60.4	67.9	58.4
92.5°	169.8	163.0	136.0	109.0	136.0	163.0	169.8	240.7	335.1	382.4	335.8
95°	576.2	555.8	474.0	392.2	474.0	555.8	576.2	756.7	997.4	1117.7	944.0
97.5°	1330.4	1291.4	1135.8	980.1	1135.8	1291.4	1330.4	1444.4	1596.6	1672.6	1382.9
100°	1868.3	1821.9	1636.5	1451.0	1636.5	1821.9	1868.3	1860.0	1848.8	1843.2	1521.8
102.5°	2327.4	2287.7	2128.9	1970.1	2128.9	2287.7	2327.4	2182.1	1988.3	1891.5	1565.4
105°	2863.6	2842.2	2756.8	2671.4	2756.8	2842.2	2863.6	2537.7	2103.3	1886.1	1570.4
107.5°	3142.3	3147.5	3168.1	3188.7	3168.1	3147.5	3142.3	2687.8	2081.9	1778.9	1500.5
110°	3213.8	3236.0	3324.9	3413.9	3324.9	3236.0	3213.8	2705.7	2028.2	1689.5	1438.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3168.2	3202.4	3339.0	3475.5	3339.0	3202.4	3168.2	2648.2	1954.9	1608.2	1384.5
115°	3013.6	3061.0	3250.3	3439.8	3250.3	3061.0	3013.6	2512.7	1844.8	1510.8	1322.4
117.5°	2800.1	2852.6	3062.7	3272.8	3062.7	2852.6	2800.1	2348.0	1745.3	1443.9	1283.6
120°	2656.2	2707.2	2911.4	3115.5	2911.4	2707.2	2656.2	2243.2	1692.5	1417.0	1270.5
122.5°	2512.4	2562.7	2764.1	2965.4	2764.1	2562.7	2512.4	2140.4	1644.5	1396.5	1263.7
125°	2322.1	2368.4	2553.9	2739.3	2553.9	2368.4	2322.1	2006.1	1584.8	1374.1	1258.0
127.5°	2169.3	2208.4	2364.9	2521.4	2364.9	2208.4	2169.3	1898.0	1536.2	1355.3	1254.7
130°	2072.8	2108.9	2253.5	2398.0	2253.5	2108.9	2072.8	1831.3	1509.3	1348.3	1256.8
132.5°	1990.6	2023.0	2152.4	2281.9	2152.4	2023.0	1990.6	1774.4	1486.1	1342.0	1258.0
135°	1874.5	1902.4	2014.0	2125.5	2014.0	1902.4	1874.5	1693.4	1452.0	1331.3	1256.8
137.5°	1788.7	1811.5	1902.9	1994.2	1902.9	1811.5	1788.7	1635.6	1431.5	1329.5	1264.5
140°	1720.0	1741.3	1826.6	1912.0	1826.6	1741.3	1720.0	1587.7	1411.4	1323.2	1265.9
142.5°	1671.6	1690.0	1763.5	1836.9	1763.5	1690.0	1671.6	1555.5	1400.7	1323.2	1270.4
145°	1599.3	1613.2	1668.8	1724.3	1668.8	1613.2	1599.3	1504.3	1377.6	1314.3	1270.4
147.5°	1538.5	1550.1	1596.1	1642.2	1596.1	1550.1	1538.5	1463.7	1364.1	1314.3	1279.1
150°	1503.6	1513.0	1550.3	1587.7	1550.3	1513.0	1503.6	1440.5	1356.4	1314.3	1283.7
152.5°	1476.0	1483.0	1511.2	1539.5	1511.2	1483.0	1476.0	1422.1	1350.2	1314.3	1286.7
155°	1442.9	1447.6	1466.2	1484.9	1466.2	1447.6	1442.9	1400.0	1342.8	1314.3	1293.3
157.5°	1414.4	1417.6	1430.8	1443.9	1430.8	1417.6	1414.4	1381.0	1336.5	1314.3	1299.8
160°	1400.0	1401.9	1409.5	1417.0	1409.5	1401.9	1400.0	1371.5	1333.4	1314.3	1302.7
162.5°	1386.7	1388.5	1395.5	1402.7	1395.5	1388.5	1386.7	1362.5	1330.3	1314.3	1306.0
165°	1366.1	1368.0	1375.5	1383.0	1375.5	1368.0	1366.1	1348.8	1325.8	1314.3	1310.5
167.5°	1357.2	1357.9	1361.2	1364.3	1361.2	1357.9	1357.2	1345.9	1330.8	1323.2	1320.1
170°	1357.2	1357.2	1357.2	1357.2	1357.2	1357.2	1357.2	1345.9	1330.8	1323.2	1323.1
172.5°	1350.0	1349.3	1346.6	1343.8	1346.6	1349.3	1350.0	1341.1	1329.2	1323.2	1323.2
175°	1340.2	1340.2	1340.2	1340.2	1340.2	1340.2	1340.2	1334.5	1327.0	1323.2	1325.1
177.5°	1338.4	1337.7	1334.4	1331.3	1334.4	1337.7	1338.4	1333.9	1327.9	1325.0	1326.4
180°	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3	1331.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2562.1	2562.1	2562.1	2562.1	2562.1
2.5°	2530.6	2542.7	2549.9	2559.7	2583.8
5°	2433.6	2479.7	2494.2	2530.6	2574.2
7.5°	2220.3	2360.9	2399.6	2486.9	2554.8
10°	2014.3	2154.9	2222.8	2428.8	2530.6
12.5°	1910.0	1992.4	2038.5	2327.0	2496.7
15°	1844.6	1902.7	1936.7	2191.2	2457.9
17.5°	1793.7	1834.9	1859.1	2057.9	2404.5
20°	1762.2	1781.6	1803.4	1960.9	2344.0
22.5°	1740.4	1728.3	1745.2	1893.1	2261.5
25°	1725.8	1679.7	1699.1	1839.7	2164.5
27.5°	1737.9	1636.1	1643.4	1791.3	2062.7
30°	1740.4	1582.8	1585.2	1740.4	1948.8
32.5°	1723.4	1527.0	1529.5	1677.4	1820.3
35°	1682.2	1461.6	1459.1	1604.6	1645.8
37.5°	1626.5	1391.3	1391.3	1524.7	1454.4
40°	1558.6	1321.1	1328.3	1420.4	1284.7
42.5°	1476.1	1245.9	1255.5	1282.3	1158.6
45°	1386.5	1173.1	1180.5	1083.4	1061.7
47.5°	1287.1	1098.1	1100.4	899.2	1030.2
50°	1168.3	1020.4	1010.8	770.8	1027.8
52.5°	1064.1	935.6	906.6	698.1	933.2
55°	962.3	845.9	782.9	642.3	865.3
57.5°	872.6	729.6	669.0	576.9	850.8
60°	790.2	615.7	569.7	506.6	780.5
62.5°	722.4	530.8	521.1	458.1	707.8
65°	649.6	472.6	470.2	417.0	601.2
67.5°	579.3	433.9	431.5	378.1	458.1
70°	504.1	392.7	387.8	336.9	339.3
72.5°	426.6	346.7	341.8	303.0	281.2
75°	349.1	293.3	290.9	264.2	227.9
77.5°	273.9	232.7	237.5	213.3	167.2
80°	196.3	169.7	174.5	152.7	126.1
82.5°	130.9	111.5	116.3	96.9	84.8
85°	72.7	63.0	65.4	50.9	38.8
87.5°	33.9	29.1	29.1	19.4	12.1
90°	39.3	25.0	23.2	16.1	9.0
92.5°	242.5	172.5	157.3	96.5	35.7
95°	596.6	336.0	308.2	196.9	85.8
97.5°	803.5	369.0	344.5	246.4	148.3
100°	878.9	396.7	374.5	285.5	196.5
102.5°	913.5	424.4	403.7	320.7	237.7
105°	939.1	465.5	447.9	377.6	307.3
107.5°	943.7	526.2	509.9	444.4	378.8
110°	936.7	560.2	545.4	486.3	427.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	937.0	601.3	587.1	530.8	474.4
115°	945.5	663.0	650.0	597.9	545.9
117.5°	963.2	722.8	711.0	663.7	616.5
120°	977.4	757.7	746.6	702.1	657.6
122.5°	998.0	798.8	787.6	742.7	697.8
125°	1025.7	851.5	841.3	800.3	759.4
127.5°	1053.4	902.4	892.1	850.7	809.5
130°	1073.7	936.4	925.3	880.8	836.3
132.5°	1090.0	964.1	953.0	908.5	864.0
135°	1107.9	996.3	986.1	945.5	905.1
137.5°	1134.7	1037.3	1027.3	987.2	947.1
140°	1151.1	1065.0	1055.8	1018.9	981.9
142.5°	1164.8	1085.5	1077.0	1042.9	1008.7
145°	1182.7	1116.9	1109.4	1079.6	1049.8
147.5°	1208.8	1156.1	1148.9	1119.9	1090.9
150°	1222.5	1176.7	1170.1	1143.9	1117.7
152.5°	1231.5	1190.1	1185.2	1165.3	1145.4
155°	1251.1	1219.5	1215.9	1201.2	1186.5
157.5°	1270.8	1249.0	1245.5	1231.2	1216.9
160°	1279.7	1262.4	1259.6	1248.6	1237.5
162.5°	1289.2	1276.7	1274.6	1266.3	1258.0
165°	1302.9	1297.3	1295.4	1287.9	1280.4
167.5°	1313.7	1308.9	1308.1	1304.4	1300.9
170°	1322.6	1322.3	1321.4	1317.8	1314.3
172.5°	1323.2	1323.2	1323.1	1322.2	1321.4
175°	1328.6	1331.3	1331.3	1331.3	1331.3
177.5°	1329.2	1331.3	1331.3	1331.3	1331.3
180°	1331.3	1331.3	1331.3	1331.3	1331.3



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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	13.77	14.58	14.78	15.60	16.96	16.60	17.40	17.61	18.42	19.78
	3H	14.24	14.97	15.27	16.00	17.38	17.94	18.66	18.96	19.69	21.07
	4H	14.43	15.12	15.47	16.15	17.54	18.38	19.06	19.41	20.09	21.48
	6H	14.55	15.18	15.59	16.22	17.62	18.66	19.29	19.70	20.32	21.72
	8H	14.55	15.15	15.60	16.20	17.60	18.73	19.33	19.78	20.38	21.78
	12H	14.52	15.09	15.57	16.13	17.55	18.76	19.33	19.82	20.38	21.80
4H	2H	14.80	15.48	15.84	16.51	17.90	17.00	17.68	18.04	18.71	20.10
	3H	15.82	16.39	16.87	17.45	18.85	18.50	19.07	19.55	20.13	21.53
	4H	16.09	16.61	17.15	17.67	19.09	19.02	19.54	20.08	20.60	22.02
	6H	16.21	16.66	17.28	17.74	19.16	19.38	19.83	20.45	20.91	22.33
	8H	16.22	16.64	17.28	17.70	19.14	19.49	19.91	20.55	20.97	22.41
	12H	16.18	16.56	17.27	17.64	19.08	19.54	19.92	20.62	21.00	22.44
8H	4H	16.54	16.96	17.61	18.03	19.46	19.14	19.56	20.21	20.63	22.06
	6H	16.80	17.15	17.89	18.25	19.69	19.58	19.92	20.66	21.03	22.46
	8H	16.84	17.14	17.94	18.24	19.69	19.73	20.03	20.82	21.12	22.57
	12H	16.82	17.09	17.92	18.18	19.67	19.82	20.09	20.92	21.18	22.67
12H	4H	16.54	16.92	17.63	18.00	19.44	19.10	19.48	20.19	20.56	22.00
	6H	16.86	17.16	17.95	18.26	19.71	19.57	19.88	20.67	20.97	22.42
	8H	16.92	17.19	18.02	18.28	19.77	19.73	20.00	20.83	21.08	22.58