

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: P936115

Luminaire Tested: SQ4-FA-150U-125D-835-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936115
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-835-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

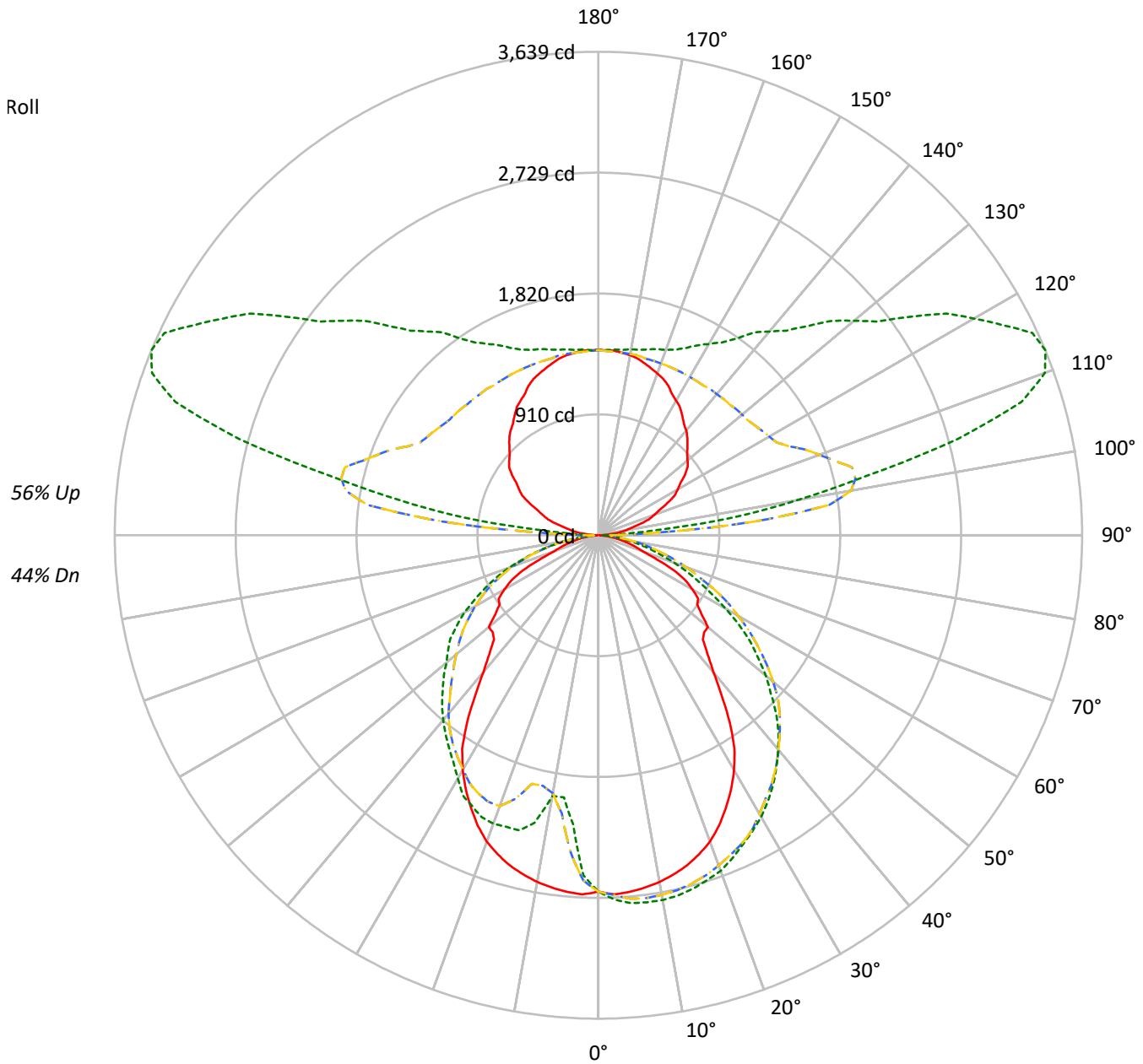
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15998.0 lumens
Efficiency: N/A
Efficacy: 128.2 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				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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44	44	44	44
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37	37	37	37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	31	31	31	31
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30	26	26	26	26
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26	22	22	22	22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23	19	19	19	19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20	17	17	17	17
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18	15	15	15	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13	13	13	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12	12	12	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13	11	11	11	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16596	16596	16596	16596
5°	16714	16753	16714	13173
10°	16596	16503	16596	11798
15°	16410	16145	16410	13481
20°	16060	15722	16060	13510
25°	15351	15104	15351	13223
30°	14437	14591	14437	12595
35°	12865	13942	12865	11904
40°	10713	13178	10713	11382
45°	9566	12285	9566	10782
50°	10156	11218	10156	10180
55°	9545	10069	9545	9831
60°	9828	8552	9828	9005
65°	8896	7069	8896	7902
70°	6145	5634	6145	6624
75°	5369	4165	5369	4987
80°	4296	2753	4296	2998
85°	2421	1458	2421	1240

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14671 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.2	1.5
10°-20°	687.6	4.3
20°-30°	1062.9	6.6
30°-40°	1268.9	7.9
40°-50°	1276.3	8.0
50°-60°	1110.5	6.9
60°-70°	787.4	4.9
70°-80°	416.6	2.6
80°-90°	109.1	0.7
90°-100°	679.5	4.2
100°-110°	1786.4	11.2
110°-120°	1852.3	11.6
120°-130°	1485.8	9.3
130°-140°	1165.8	7.3
140°-150°	894.8	5.6
150°-160°	644.4	4.0
160°-170°	394.3	2.5
170°-180°	133.2	0.8
0°-30°	1992.6	12.5
0°-40°	3261.5	20.4
0°-60°	5648.3	35.3
0°-90°	6961.3	43.5
90°-120°	4318.3	27.0
90°-150°	7864.8	49.2
90°-180°	9037.0	56.5
0°-180°	15998.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2683	2683	2683	2683	2683	
5°	2696	2779	2696	2185	2696	256
15°	2574	2754	2574	2300	2574	724
25°	2266	2569	2266	2249	2266	1041
35°	1723	2292	1723	1957	1723	1066
45°	1112	1888	1112	1657	1112	891
55°	906	1393	906	1360	906	833
65°	630	840	630	939	630	602
75°	239	398	239	477	239	251
85°	41	102	41	86	41	55
90°	9	36	9	36	9	9
95°	90	411	90	411	90	100
105°	322	2797	322	2797	322	341
115°	572	3602	572	3602	572	565
125°	795	2868	795	2868	795	706
135°	948	2226	948	2226	948	733
145°	1099	1806	1099	1806	1099	689
155°	1242	1555	1242	1555	1242	571
165°	1341	1448	1341	1448	1341	378
175°	1394	1403	1394	1403	1394	132
180°	1394	1394	1394	1394	1394	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8
2.5°	2705.6	2705.6	2720.9	2725.9	2725.9	2718.3	2710.7	2718.3	2741.2	2748.8	2746.2
5°	2695.5	2715.8	2743.7	2748.8	2753.9	2751.3	2746.2	2751.3	2776.7	2781.8	2784.3
7.5°	2675.2	2713.2	2748.8	2756.4	2764.0	2756.4	2753.9	2758.9	2784.3	2789.4	2789.4
10°	2649.8	2703.1	2743.7	2748.8	2756.4	2748.8	2748.8	2758.9	2784.3	2789.4	2791.9
12.5°	2614.3	2687.9	2725.9	2731.0	2741.2	2738.6	2736.1	2746.2	2771.6	2776.7	2776.7
15°	2573.7	2659.9	2695.5	2700.6	2718.3	2713.2	2713.2	2723.4	2751.3	2758.9	2756.4
17.5°	2517.8	2624.4	2665.0	2672.6	2685.3	2682.8	2685.3	2695.5	2720.9	2725.9	2728.5
20°	2454.4	2576.2	2624.4	2632.0	2644.7	2644.7	2644.7	2657.4	2682.8	2692.9	2692.9
22.5°	2368.1	2525.4	2576.2	2581.3	2596.5	2596.5	2601.6	2619.3	2642.2	2644.7	2644.7
25°	2266.5	2469.6	2512.7	2528.0	2543.2	2550.8	2558.4	2568.6	2576.2	2573.7	2576.2
27.5°	2159.9	2398.5	2454.4	2464.5	2484.8	2492.4	2502.6	2505.1	2507.7	2515.3	2510.2
30°	2040.6	2299.5	2383.3	2393.4	2426.4	2431.5	2421.4	2426.4	2439.1	2444.2	2449.3
32.5°	1906.1	2152.3	2309.7	2332.5	2363.0	2347.8	2345.2	2352.8	2373.1	2373.1	2378.2
35°	1723.4	2038.1	2241.2	2261.5	2284.3	2266.5	2276.7	2279.2	2291.9	2299.5	2297.0
37.5°	1522.9	1939.1	2170.1	2185.3	2203.1	2180.2	2195.5	2203.1	2213.2	2208.2	2208.2
40°	1345.2	1784.3	2086.3	2096.5	2111.7	2093.9	2109.2	2114.3	2119.3	2114.3	2111.7
42.5°	1213.2	1614.2	1997.5	2010.2	2000.0	2012.7	2017.8	2028.0	2020.3	2010.2	2010.2
45°	1111.7	1568.6	1901.0	1916.3	1901.0	1921.4	1929.0	1929.0	1906.1	1901.0	1898.5
47.5°	1078.7	1477.2	1804.6	1804.6	1797.0	1822.4	1835.1	1817.3	1794.4	1786.8	1786.8
50°	1076.2	1375.7	1672.6	1662.5	1698.0	1728.5	1715.8	1698.0	1680.2	1652.3	1652.3
52.5°	977.2	1251.3	1502.6	1540.6	1596.5	1614.2	1593.9	1576.2	1545.7	1533.0	1522.9
55°	906.1	1121.8	1347.7	1423.9	1482.3	1505.1	1467.0	1449.3	1403.6	1396.0	1390.9
57.5°	890.9	934.0	1205.6	1302.1	1373.1	1370.6	1347.7	1314.7	1276.7	1269.1	1266.5
60°	817.3	675.1	1053.3	1167.5	1241.1	1233.5	1213.2	1182.8	1147.2	1142.2	1137.1
62.5°	741.1	489.9	880.7	1010.2	1114.2	1111.7	1093.9	1048.2	1022.9	1010.2	1000.0
65°	629.5	411.2	626.9	840.1	989.9	994.9	956.9	923.9	896.0	880.7	878.2
67.5°	479.7	335.0	423.9	700.5	870.6	865.5	817.3	802.0	766.5	758.9	743.7
70°	355.3	223.4	294.4	568.5	753.8	741.1	703.1	685.3	652.3	634.5	624.4
72.5°	294.4	180.2	215.7	441.6	634.5	619.3	586.3	566.0	538.1	522.9	512.7
75°	238.6	190.4	165.0	327.4	515.2	505.1	474.6	454.3	431.5	411.2	413.7
77.5°	175.1	177.7	132.0	241.1	408.6	393.4	375.6	350.3	340.1	319.8	319.8
80°	132.0	139.6	99.0	165.0	294.4	294.4	279.2	261.4	243.7	233.5	233.5
82.5°	88.8	88.8	73.6	104.1	200.5	192.9	182.7	177.7	167.5	162.4	162.4
85°	40.6	50.8	45.7	63.5	109.1	114.2	114.2	109.1	106.6	101.5	104.1
87.5°	12.7	22.8	27.9	35.5	55.8	58.4	60.9	60.9	60.9	63.5	63.5
90°	9.4	16.9	24.3	26.2	41.2	61.1	71.1	63.2	47.4	35.6	35.6
92.5°	37.4	101.0	164.7	180.6	253.9	351.6	400.4	350.9	252.0	177.8	170.7
95°	89.8	206.2	322.7	351.8	624.7	988.5	1170.4	1044.4	792.4	603.4	582.0
97.5°	155.3	258.0	360.7	386.4	841.4	1448.1	1751.4	1671.8	1512.5	1393.1	1352.3
100°	205.8	299.0	392.1	415.4	920.3	1593.5	1930.1	1935.9	1947.6	1956.3	1907.8
102.5°	248.9	335.8	422.7	444.4	956.5	1639.2	1980.6	2082.0	2284.9	2437.1	2395.5
105°	321.8	395.4	469.0	487.4	983.3	1644.4	1975.0	2202.4	2657.3	2998.5	2976.1
107.5°	396.7	465.3	533.9	551.0	988.2	1571.2	1862.7	2180.0	2814.5	3290.4	3295.8
110°	447.2	509.2	571.1	586.6	980.8	1506.3	1769.1	2123.8	2833.2	3365.2	3388.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	496.8	555.8	614.8	629.6	981.1	1449.7	1684.0	2047.0	2773.0	3317.5	3353.3
115°	571.6	626.1	680.6	694.2	990.1	1384.7	1582.0	1931.7	2631.1	3155.6	3205.2
117.5°	645.5	695.0	744.5	756.9	1008.6	1344.1	1511.9	1827.5	2458.6	2932.0	2987.0
120°	688.6	735.2	781.8	793.4	1023.5	1330.4	1483.8	1772.2	2348.9	2781.4	2834.8
122.5°	730.7	777.7	824.7	836.4	1045.0	1323.2	1462.3	1722.0	2241.3	2630.8	2683.5
125°	795.2	838.0	880.9	891.6	1074.0	1317.3	1438.9	1659.5	2100.6	2431.5	2480.0
127.5°	847.6	890.8	934.1	944.9	1103.0	1313.8	1419.2	1608.6	1987.4	2271.5	2312.5
130°	875.7	922.3	968.9	980.5	1124.3	1316.0	1411.8	1580.4	1917.6	2170.5	2208.3
132.5°	904.7	951.3	997.9	1009.5	1141.4	1317.3	1405.2	1556.1	1858.0	2084.4	2118.3
135°	947.7	990.1	1032.6	1043.2	1160.1	1316.0	1394.0	1520.4	1773.2	1962.8	1992.0
137.5°	991.7	1033.7	1075.7	1086.2	1188.2	1324.1	1392.1	1499.0	1712.7	1873.0	1896.9
140°	1028.2	1066.9	1105.5	1115.2	1205.3	1325.5	1385.6	1477.9	1662.5	1801.0	1823.3
142.5°	1056.2	1092.0	1127.8	1136.7	1219.7	1330.3	1385.6	1466.7	1628.8	1750.4	1769.6
145°	1099.3	1130.5	1161.7	1169.5	1238.4	1330.3	1376.2	1442.5	1575.2	1674.7	1689.2
147.5°	1142.3	1172.7	1203.0	1210.6	1265.8	1339.4	1376.2	1428.4	1532.7	1611.0	1623.1
150°	1170.4	1197.8	1225.2	1232.1	1280.1	1344.2	1376.2	1420.3	1508.4	1574.5	1584.3
152.5°	1199.4	1220.2	1241.0	1246.2	1289.5	1347.3	1376.2	1413.8	1489.1	1545.5	1552.9
155°	1242.4	1257.8	1273.2	1277.0	1310.1	1354.2	1376.2	1406.1	1466.0	1510.9	1515.8
157.5°	1274.2	1289.2	1304.2	1307.9	1330.7	1361.0	1376.2	1399.5	1446.1	1481.0	1484.4
160°	1295.8	1307.4	1319.0	1321.9	1340.0	1364.1	1376.2	1396.2	1436.1	1466.0	1468.0
162.5°	1317.3	1326.0	1334.7	1336.9	1350.0	1367.5	1376.2	1393.0	1426.7	1452.0	1453.9
165°	1340.7	1348.6	1356.4	1358.4	1364.3	1372.2	1376.2	1388.3	1412.4	1430.5	1432.5
167.5°	1362.2	1365.9	1369.7	1370.6	1375.6	1382.3	1385.6	1393.5	1409.3	1421.1	1421.9
170°	1376.2	1379.9	1383.7	1384.6	1384.9	1385.4	1385.6	1393.5	1409.3	1421.1	1421.1
172.5°	1383.7	1384.5	1385.4	1385.6	1385.6	1385.6	1385.6	1391.8	1404.3	1413.6	1412.9
175°	1394.0	1394.0	1394.0	1394.0	1391.2	1387.5	1385.6	1389.5	1397.4	1403.3	1403.3
177.5°	1394.0	1394.0	1394.0	1394.0	1391.8	1388.9	1387.4	1390.5	1396.8	1401.5	1400.7
180°	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8
2.5°	2751.3	2743.7	2751.3	2746.2	2748.8	2741.2	2718.3	2710.7	2718.3	2725.9	2725.9
5°	2784.3	2779.2	2784.3	2784.3	2781.8	2776.7	2751.3	2746.2	2751.3	2753.9	2748.8
7.5°	2794.5	2786.9	2794.5	2789.4	2789.4	2784.3	2758.9	2753.9	2756.4	2764.0	2756.4
10°	2794.5	2786.9	2794.5	2791.9	2789.4	2784.3	2758.9	2748.8	2748.8	2756.4	2748.8
12.5°	2781.8	2776.7	2781.8	2776.7	2776.7	2771.6	2746.2	2736.1	2738.6	2741.2	2731.0
15°	2761.5	2753.9	2761.5	2756.4	2758.9	2751.3	2723.4	2713.2	2713.2	2718.3	2700.6
17.5°	2731.0	2720.9	2731.0	2728.5	2725.9	2720.9	2695.5	2685.3	2682.8	2685.3	2672.6
20°	2695.5	2687.9	2695.5	2692.9	2692.9	2682.8	2657.4	2644.7	2644.7	2644.7	2632.0
22.5°	2639.6	2632.0	2639.6	2644.7	2644.7	2642.2	2619.3	2601.6	2596.5	2596.5	2581.3
25°	2576.2	2568.6	2576.2	2576.2	2573.7	2576.2	2568.6	2558.4	2550.8	2543.2	2528.0
27.5°	2515.3	2510.2	2515.3	2510.2	2515.3	2507.7	2505.1	2502.6	2492.4	2484.8	2464.5
30°	2454.4	2449.3	2454.4	2449.3	2444.2	2439.1	2426.4	2421.4	2431.5	2426.4	2393.4
32.5°	2378.2	2373.1	2378.2	2378.2	2373.1	2373.1	2352.8	2345.2	2347.8	2363.0	2332.5
35°	2299.5	2291.9	2299.5	2297.0	2299.5	2291.9	2279.2	2276.7	2266.5	2284.3	2261.5
37.5°	2208.2	2200.5	2208.2	2208.2	2208.2	2213.2	2203.1	2195.5	2180.2	2203.1	2185.3
40°	2114.3	2104.1	2114.3	2111.7	2114.3	2119.3	2114.3	2109.2	2093.9	2111.7	2096.5
42.5°	2007.7	2005.1	2007.7	2010.2	2010.2	2020.3	2028.0	2017.8	2012.7	2000.0	2010.2
45°	1893.4	1888.4	1893.4	1898.5	1901.0	1906.1	1929.0	1929.0	1921.4	1901.0	1916.3
47.5°	1771.6	1758.9	1771.6	1786.8	1786.8	1794.4	1817.3	1835.1	1822.4	1797.0	1804.6
50°	1642.2	1644.7	1642.2	1652.3	1652.3	1680.2	1698.0	1715.8	1728.5	1698.0	1662.5
52.5°	1515.3	1512.7	1515.3	1522.9	1533.0	1545.7	1576.2	1593.9	1614.2	1596.5	1540.6
55°	1388.3	1393.4	1388.3	1390.9	1396.0	1403.6	1449.3	1467.0	1505.1	1482.3	1423.9
57.5°	1261.4	1253.8	1261.4	1266.5	1269.1	1276.7	1314.7	1347.7	1370.6	1373.1	1302.1
60°	1114.2	1104.1	1114.2	1137.1	1142.2	1147.2	1182.8	1213.2	1233.5	1241.1	1167.5
62.5°	984.8	967.0	984.8	1000.0	1010.2	1022.9	1048.2	1093.9	1111.7	1114.2	1010.2
65°	847.7	840.1	847.7	878.2	880.7	896.0	923.9	956.9	994.9	989.9	840.1
67.5°	723.4	723.4	723.4	743.7	758.9	766.5	802.0	817.3	865.5	870.6	700.5
70°	609.1	606.6	609.1	624.4	634.5	652.3	685.3	703.1	741.1	753.8	568.5
72.5°	500.0	497.5	500.0	512.7	522.9	538.1	566.0	586.3	619.3	634.5	441.6
75°	403.6	398.5	403.6	413.7	411.2	431.5	454.3	474.6	505.1	515.2	327.4
77.5°	309.7	309.7	309.7	319.8	319.8	340.1	350.3	375.6	393.4	408.6	241.1
80°	231.0	228.4	231.0	233.5	233.5	243.7	261.4	279.2	294.4	294.4	165.0
82.5°	162.4	157.4	162.4	162.4	162.4	167.5	177.7	182.7	192.9	200.5	104.1
85°	101.5	101.5	101.5	104.1	101.5	106.6	109.1	114.2	114.2	109.1	63.5
87.5°	66.0	63.5	66.0	63.5	63.5	60.9	60.9	60.9	58.4	55.8	35.5
90°	35.6	35.6	35.6	35.6	35.6	47.4	63.2	71.1	61.1	41.2	26.2
92.5°	142.4	114.1	142.4	170.7	177.8	252.0	350.9	400.4	351.6	253.9	180.6
95°	496.3	410.7	496.3	582.0	603.4	792.4	1044.4	1170.4	988.5	624.7	351.8
97.5°	1189.3	1026.3	1189.3	1352.3	1393.1	1512.5	1671.8	1751.4	1448.1	841.4	386.4
100°	1713.6	1519.4	1713.6	1907.8	1956.3	1947.6	1935.9	1930.1	1593.5	920.3	415.4
102.5°	2229.2	2062.9	2229.2	2395.5	2437.1	2284.9	2082.0	1980.6	1639.2	956.5	444.4
105°	2886.7	2797.3	2886.7	2976.1	2998.5	2657.3	2202.4	1975.0	1644.4	983.3	487.4
107.5°	3317.4	3339.0	3317.4	3295.8	3290.4	2814.5	2180.0	1862.7	1571.2	988.2	551.0
110°	3481.6	3574.8	3481.6	3388.5	3365.2	2833.2	2123.8	1769.1	1506.3	980.8	586.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3496.3	3639.3	3496.3	3353.3	3317.5	2773.0	2047.0	1684.0	1449.7	981.1	629.6
115°	3403.5	3601.9	3403.5	3205.2	3155.6	2631.1	1931.7	1582.0	1384.7	990.1	694.2
117.5°	3207.0	3427.0	3207.0	2987.0	2932.0	2458.6	1827.5	1511.9	1344.1	1008.6	756.9
120°	3048.6	3262.3	3048.6	2834.8	2781.4	2348.9	1772.2	1483.8	1330.4	1023.5	793.4
122.5°	2894.3	3105.1	2894.3	2683.5	2630.8	2241.3	1722.0	1462.3	1323.2	1045.0	836.4
125°	2674.2	2868.4	2674.2	2480.0	2431.5	2100.6	1659.5	1438.9	1317.3	1074.0	891.6
127.5°	2476.3	2640.2	2476.3	2312.5	2271.5	1987.4	1608.6	1419.2	1313.8	1103.0	944.9
130°	2359.7	2511.0	2359.7	2208.3	2170.5	1917.6	1580.4	1411.8	1316.0	1124.3	980.5
132.5°	2253.8	2389.4	2253.8	2118.3	2084.4	1858.0	1556.1	1405.2	1317.3	1141.4	1009.5
135°	2108.9	2225.7	2108.9	1992.0	1962.8	1773.2	1520.4	1394.0	1316.0	1160.1	1043.2
137.5°	1992.6	2088.2	1992.6	1896.9	1873.0	1712.7	1499.0	1392.1	1324.1	1188.2	1086.2
140°	1912.7	2002.1	1912.7	1823.3	1801.0	1662.5	1477.9	1385.6	1325.5	1205.3	1115.2
142.5°	1846.6	1923.5	1846.6	1769.6	1750.4	1628.8	1466.7	1385.6	1330.3	1219.7	1136.7
145°	1747.4	1805.6	1747.4	1689.2	1674.7	1575.2	1442.5	1376.2	1330.3	1238.4	1169.5
147.5°	1671.3	1719.6	1671.3	1623.1	1611.0	1532.7	1428.4	1376.2	1339.4	1265.8	1210.6
150°	1623.4	1662.5	1623.4	1584.3	1574.5	1508.4	1420.3	1376.2	1344.2	1280.1	1232.1
152.5°	1582.4	1612.0	1582.4	1552.9	1545.5	1489.1	1413.8	1376.2	1347.3	1289.5	1246.2
155°	1535.3	1554.9	1535.3	1515.8	1510.9	1466.0	1406.1	1376.2	1354.2	1310.1	1277.0
157.5°	1498.2	1511.9	1498.2	1484.4	1481.0	1446.1	1399.5	1376.2	1361.0	1330.7	1307.9
160°	1475.9	1483.8	1475.9	1468.0	1466.0	1436.1	1396.2	1376.2	1364.1	1340.0	1321.9
162.5°	1461.3	1468.8	1461.3	1453.9	1452.0	1426.7	1393.0	1376.2	1367.5	1350.0	1336.9
165°	1440.3	1448.2	1440.3	1432.5	1430.5	1412.4	1388.3	1376.2	1372.2	1364.3	1358.4
167.5°	1425.3	1428.6	1425.3	1421.9	1421.1	1409.3	1393.5	1385.6	1382.3	1375.6	1370.6
170°	1421.1	1421.1	1421.1	1421.1	1421.1	1409.3	1393.5	1385.6	1385.4	1384.9	1384.6
172.5°	1410.0	1407.1	1410.0	1412.9	1413.6	1404.3	1391.8	1385.6	1385.6	1385.6	1385.6
175°	1403.3	1403.3	1403.3	1403.3	1403.3	1397.4	1389.5	1385.6	1387.5	1391.2	1394.0
177.5°	1397.3	1394.0	1397.3	1400.7	1401.5	1396.8	1390.5	1387.4	1388.9	1391.8	1394.0
180°	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8
2.5°	2720.9	2705.6	2705.6	2680.3	2670.1	2662.5	2649.8	2611.7	2601.6	2591.4	2606.6
5°	2743.7	2715.8	2695.5	2649.8	2611.7	2596.5	2548.3	2456.9	2396.0	2350.3	2324.9
7.5°	2748.8	2713.2	2675.2	2604.1	2512.7	2472.1	2324.9	2157.4	2111.7	2071.1	2045.7
10°	2743.7	2703.1	2649.8	2543.2	2327.5	2256.4	2109.2	2000.0	1972.1	1964.5	1972.1
12.5°	2725.9	2687.9	2614.3	2436.6	2134.6	2086.3	2000.0	1936.6	1931.5	1944.2	2012.7
15°	2695.5	2659.9	2573.7	2294.5	2028.0	1992.4	1931.5	1908.7	1936.6	2025.4	2231.0
17.5°	2665.0	2624.4	2517.8	2154.9	1946.7	1921.4	1878.2	1923.9	2081.3	2200.5	2269.1
20°	2624.4	2576.2	2454.4	2053.3	1888.4	1865.5	1845.2	2050.8	2170.1	2213.2	2251.3
22.5°	2576.2	2525.4	2368.1	1982.3	1827.4	1809.7	1822.4	2121.9	2170.1	2200.5	2233.5
25°	2512.7	2469.6	2266.5	1926.4	1779.2	1758.9	1807.1	2114.3	2142.2	2149.8	2215.8
27.5°	2454.4	2398.5	2159.9	1875.7	1720.8	1713.2	1819.8	2081.3	2101.6	2109.2	2180.2
30°	2383.3	2299.5	2040.6	1822.4	1659.9	1657.4	1822.4	2040.6	2035.6	2055.9	2126.9
32.5°	2309.7	2152.3	1906.1	1756.4	1601.6	1599.0	1804.6	1979.7	1974.7	2002.6	2055.9
35°	2241.2	2038.1	1723.4	1680.2	1527.9	1530.5	1761.5	1908.7	1911.2	1936.6	1969.6
37.5°	2170.1	1939.1	1522.9	1596.5	1456.9	1456.9	1703.1	1842.7	1837.6	1845.2	1890.9
40°	2086.3	1784.3	1345.2	1487.3	1390.9	1383.3	1632.0	1771.6	1753.8	1751.3	1814.8
42.5°	1997.5	1614.2	1213.2	1342.7	1314.7	1304.6	1545.7	1685.3	1652.3	1659.9	1741.1
45°	1901.0	1568.6	1111.7	1134.5	1236.1	1228.4	1451.8	1586.3	1563.5	1583.8	1667.5
47.5°	1804.6	1477.2	1078.7	941.6	1152.3	1149.8	1347.7	1489.9	1477.2	1497.5	1586.3
50°	1672.6	1375.7	1076.2	807.1	1058.4	1068.5	1223.4	1396.0	1396.0	1413.7	1507.6
52.5°	1502.6	1251.3	977.2	731.0	949.3	979.7	1114.2	1314.7	1319.8	1337.6	1421.3
55°	1347.7	1121.8	906.1	672.6	819.8	885.8	1007.6	1231.0	1241.1	1258.9	1335.0
57.5°	1205.6	934.0	890.9	604.1	700.5	764.0	913.7	1149.8	1154.8	1170.1	1243.7
60°	1053.3	675.1	817.3	530.5	596.5	644.7	827.4	1053.3	1071.1	1081.2	1144.7
62.5°	880.7	489.9	741.1	479.7	545.7	555.8	756.4	961.9	984.8	992.4	1030.5
65°	626.9	411.2	629.5	436.6	492.4	494.9	680.2	868.0	888.3	901.0	929.0
67.5°	423.9	335.0	479.7	395.9	451.8	454.3	606.6	758.9	786.8	797.0	814.7
70°	294.4	223.4	355.3	352.8	406.1	411.2	527.9	659.9	685.3	692.9	703.1
72.5°	215.7	180.2	294.4	317.3	357.9	363.0	446.7	548.2	573.6	581.2	586.3
75°	165.0	190.4	238.6	276.7	304.6	307.1	365.5	446.7	464.5	469.6	472.1
77.5°	132.0	177.7	175.1	223.4	248.7	243.7	286.8	345.2	360.4	360.4	360.4
80°	99.0	139.6	132.0	159.9	182.7	177.7	205.6	246.2	251.3	256.3	253.8
82.5°	73.6	88.8	88.8	101.5	121.8	116.8	137.1	159.9	159.9	159.9	165.0
85°	45.7	50.8	40.6	53.3	68.5	66.0	76.1	86.3	88.8	88.8	83.8
87.5°	27.9	22.8	12.7	20.3	30.5	30.5	35.5	38.1	35.5	35.5	35.5
90°	24.3	16.9	9.4	16.9	24.3	26.2	41.2	61.1	71.1	63.2	47.4
92.5°	164.7	101.0	37.4	101.0	164.7	180.6	253.9	351.6	400.4	350.9	252.0
95°	322.7	206.2	89.8	206.2	322.7	351.8	624.7	988.5	1170.4	1044.4	792.4
97.5°	360.7	258.0	155.3	258.0	360.7	386.4	841.4	1448.1	1751.4	1671.8	1512.5
100°	392.1	299.0	205.8	299.0	392.1	415.4	920.3	1593.5	1930.1	1935.9	1947.6
102.5°	422.7	335.8	248.9	335.8	422.7	444.4	956.5	1639.2	1980.6	2082.0	2284.9
105°	469.0	395.4	321.8	395.4	469.0	487.4	983.3	1644.4	1975.0	2202.4	2657.3
107.5°	533.9	465.3	396.7	465.3	533.9	551.0	988.2	1571.2	1862.7	2180.0	2814.5
110°	571.1	509.2	447.2	509.2	571.1	586.6	980.8	1506.3	1769.1	2123.8	2833.2



TEST NUMBER: P936115

CATALOG NUMBER: SQ4-FA-150U-125D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	614.8	555.8	496.8	555.8	614.8	629.6	981.1	1449.7	1684.0	2047.0	2773.0
115°	680.6	626.1	571.6	626.1	680.6	694.2	990.1	1384.7	1582.0	1931.7	2631.1
117.5°	744.5	695.0	645.5	695.0	744.5	756.9	1008.6	1344.1	1511.9	1827.5	2458.6
120°	781.8	735.2	688.6	735.2	781.8	793.4	1023.5	1330.4	1483.8	1772.2	2348.9
122.5°	824.7	777.7	730.7	777.7	824.7	836.4	1045.0	1323.2	1462.3	1722.0	2241.3
125°	880.9	838.0	795.2	838.0	880.9	891.6	1074.0	1317.3	1438.9	1659.5	2100.6
127.5°	934.1	890.8	847.6	890.8	934.1	944.9	1103.0	1313.8	1419.2	1608.6	1987.4
130°	968.9	922.3	875.7	922.3	968.9	980.5	1124.3	1316.0	1411.8	1580.4	1917.6
132.5°	997.9	951.3	904.7	951.3	997.9	1009.5	1141.4	1317.3	1405.2	1556.1	1858.0
135°	1032.6	990.1	947.7	990.1	1032.6	1043.2	1160.1	1316.0	1394.0	1520.4	1773.2
137.5°	1075.7	1033.7	991.7	1033.7	1075.7	1086.2	1188.2	1324.1	1392.1	1499.0	1712.7
140°	1105.5	1066.9	1028.2	1066.9	1105.5	1115.2	1205.3	1325.5	1385.6	1477.9	1662.5
142.5°	1127.8	1092.0	1056.2	1092.0	1127.8	1136.7	1219.7	1330.3	1385.6	1466.7	1628.8
145°	1161.7	1130.5	1099.3	1130.5	1161.7	1169.5	1238.4	1330.3	1376.2	1442.5	1575.2
147.5°	1203.0	1172.7	1142.3	1172.7	1203.0	1210.6	1265.8	1339.4	1376.2	1428.4	1532.7
150°	1225.2	1197.8	1170.4	1197.8	1225.2	1232.1	1280.1	1344.2	1376.2	1420.3	1508.4
152.5°	1241.0	1220.2	1199.4	1220.2	1241.0	1246.2	1289.5	1347.3	1376.2	1413.8	1489.1
155°	1273.2	1257.8	1242.4	1257.8	1273.2	1277.0	1310.1	1354.2	1376.2	1406.1	1466.0
157.5°	1304.2	1289.2	1274.2	1289.2	1304.2	1307.9	1330.7	1361.0	1376.2	1399.5	1446.1
160°	1319.0	1307.4	1295.8	1307.4	1319.0	1321.9	1340.0	1364.1	1376.2	1396.2	1436.1
162.5°	1334.7	1326.0	1317.3	1326.0	1334.7	1336.9	1350.0	1367.5	1376.2	1393.0	1426.7
165°	1356.4	1348.6	1340.7	1348.6	1356.4	1358.4	1364.3	1372.2	1376.2	1388.3	1412.4
167.5°	1369.7	1365.9	1362.2	1365.9	1369.7	1370.6	1375.6	1382.3	1385.6	1393.5	1409.3
170°	1383.7	1379.9	1376.2	1379.9	1383.7	1384.6	1384.9	1385.4	1385.6	1393.5	1409.3
172.5°	1385.4	1384.5	1383.7	1384.5	1385.4	1385.6	1385.6	1385.6	1385.6	1391.8	1404.3
175°	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1391.2	1387.5	1385.6	1389.5	1397.4
177.5°	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1391.8	1388.9	1387.4	1390.5	1396.8
180°	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0



TEST NUMBER: P936115
 CATALOG NUMBER: SQ4-FA-150U-125D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8	2682.8
2.5°	2588.9	2581.3	2591.4	2563.5	2591.4	2581.3	2588.9	2606.6	2591.4	2601.6	2611.7
5°	2271.6	2258.9	2218.3	2185.3	2218.3	2258.9	2271.6	2324.9	2350.3	2396.0	2456.9
7.5°	2030.5	2020.3	2010.2	1989.9	2010.2	2020.3	2030.5	2045.7	2071.1	2111.7	2157.4
10°	1977.2	1979.7	1995.0	1992.4	1995.0	1979.7	1977.2	1972.1	1964.5	1972.1	2000.0
12.5°	2114.3	2137.1	2220.9	2215.8	2220.9	2137.1	2114.3	2012.7	1944.2	1931.5	1936.6
15°	2271.6	2279.2	2297.0	2299.5	2297.0	2279.2	2271.6	2231.0	2025.4	1936.6	1908.7
17.5°	2286.8	2289.4	2302.1	2302.1	2302.1	2289.4	2286.8	2269.1	2200.5	2081.3	1923.9
20°	2274.2	2279.2	2304.6	2309.7	2304.6	2279.2	2274.2	2251.3	2213.2	2170.1	2050.8
22.5°	2269.1	2279.2	2299.5	2297.0	2299.5	2279.2	2269.1	2233.5	2200.5	2170.1	2121.9
25°	2243.7	2243.7	2246.2	2248.8	2246.2	2243.7	2243.7	2215.8	2149.8	2142.2	2114.3
27.5°	2190.4	2195.5	2210.7	2208.2	2210.7	2195.5	2190.4	2180.2	2109.2	2101.6	2081.3
30°	2142.2	2137.1	2124.4	2114.3	2124.4	2137.1	2142.2	2126.9	2055.9	2035.6	2040.6
32.5°	2061.0	2048.3	2035.6	2028.0	2035.6	2048.3	2061.0	2055.9	2002.6	1974.7	1979.7
35°	1964.5	1967.0	1964.5	1956.9	1964.5	1967.0	1964.5	1969.6	1936.6	1911.2	1908.7
37.5°	1896.0	1901.0	1898.5	1888.4	1898.5	1901.0	1896.0	1890.9	1845.2	1837.6	1842.7
40°	1824.9	1827.4	1824.9	1817.3	1824.9	1827.4	1824.9	1814.8	1751.3	1753.8	1771.6
42.5°	1756.4	1753.8	1746.2	1741.1	1746.2	1753.8	1756.4	1741.1	1659.9	1652.3	1685.3
45°	1677.7	1680.2	1665.0	1657.4	1665.0	1680.2	1677.7	1667.5	1583.8	1563.5	1586.3
47.5°	1599.0	1599.0	1586.3	1578.7	1586.3	1599.0	1599.0	1586.3	1497.5	1477.2	1489.9
50°	1515.3	1512.7	1495.0	1492.4	1495.0	1512.7	1515.3	1507.6	1413.7	1396.0	1396.0
52.5°	1418.8	1418.8	1421.3	1426.4	1421.3	1418.8	1418.8	1421.3	1337.6	1319.8	1314.7
55°	1335.0	1337.6	1355.4	1360.4	1355.4	1337.6	1335.0	1335.0	1258.9	1241.1	1231.0
57.5°	1248.8	1248.8	1261.4	1261.4	1261.4	1248.8	1248.8	1243.7	1170.1	1154.8	1149.8
60°	1149.8	1154.8	1165.0	1162.5	1165.0	1154.8	1149.8	1144.7	1081.2	1071.1	1053.3
62.5°	1045.7	1050.8	1053.3	1048.2	1053.3	1050.8	1045.7	1030.5	992.4	984.8	961.9
65°	936.6	941.6	944.2	939.1	944.2	941.6	936.6	929.0	901.0	888.3	868.0
67.5°	824.9	822.3	819.8	830.0	819.8	822.3	824.9	814.7	797.0	786.8	758.9
70°	710.7	710.7	708.1	713.2	708.1	710.7	710.7	703.1	692.9	685.3	659.9
72.5°	588.8	586.3	596.5	588.8	596.5	586.3	588.8	586.3	581.2	573.6	548.2
75°	469.6	474.6	469.6	477.2	469.6	474.6	469.6	472.1	469.6	464.5	446.7
77.5°	357.9	363.0	357.9	357.9	357.9	363.0	357.9	360.4	360.4	360.4	345.2
80°	253.8	251.3	251.3	248.7	251.3	251.3	253.8	253.8	256.3	251.3	246.2
82.5°	162.4	159.9	159.9	165.0	159.9	159.9	162.4	165.0	159.9	159.9	159.9
85°	88.8	91.4	86.3	86.3	86.3	91.4	88.8	83.8	88.8	88.8	86.3
87.5°	33.0	30.5	30.5	30.5	30.5	30.5	33.0	35.5	35.5	35.5	38.1
90°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	47.4	63.2	71.1	61.1
92.5°	177.8	170.7	142.4	114.1	142.4	170.7	177.8	252.0	350.9	400.4	351.6
95°	603.4	582.0	496.3	410.7	496.3	582.0	603.4	792.4	1044.4	1170.4	988.5
97.5°	1393.1	1352.3	1189.3	1026.3	1189.3	1352.3	1393.1	1512.5	1671.8	1751.4	1448.1
100°	1956.3	1907.8	1713.6	1519.4	1713.6	1907.8	1956.3	1947.6	1935.9	1930.1	1593.5
102.5°	2437.1	2395.5	2229.2	2062.9	2229.2	2395.5	2437.1	2284.9	2082.0	1980.6	1639.2
105°	2998.5	2976.1	2886.7	2797.3	2886.7	2976.1	2998.5	2657.3	2202.4	1975.0	1644.4
107.5°	3290.4	3295.8	3317.4	3339.0	3317.4	3295.8	3290.4	2814.5	2180.0	1862.7	1571.2
110°	3365.2	3388.5	3481.6	3574.8	3481.6	3388.5	3365.2	2833.2	2123.8	1769.1	1506.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3317.5	3353.3	3496.3	3639.3	3496.3	3353.3	3317.5	2773.0	2047.0	1684.0	1449.7
115°	3155.6	3205.2	3403.5	3601.9	3403.5	3205.2	3155.6	2631.1	1931.7	1582.0	1384.7
117.5°	2932.0	2987.0	3207.0	3427.0	3207.0	2987.0	2932.0	2458.6	1827.5	1511.9	1344.1
120°	2781.4	2834.8	3048.6	3262.3	3048.6	2834.8	2781.4	2348.9	1772.2	1483.8	1330.4
122.5°	2630.8	2683.5	2894.3	3105.1	2894.3	2683.5	2630.8	2241.3	1722.0	1462.3	1323.2
125°	2431.5	2480.0	2674.2	2868.4	2674.2	2480.0	2431.5	2100.6	1659.5	1438.9	1317.3
127.5°	2271.5	2312.5	2476.3	2640.2	2476.3	2312.5	2271.5	1987.4	1608.6	1419.2	1313.8
130°	2170.5	2208.3	2359.7	2511.0	2359.7	2208.3	2170.5	1917.6	1580.4	1411.8	1316.0
132.5°	2084.4	2118.3	2253.8	2389.4	2253.8	2118.3	2084.4	1858.0	1556.1	1405.2	1317.3
135°	1962.8	1992.0	2108.9	2225.7	2108.9	1992.0	1962.8	1773.2	1520.4	1394.0	1316.0
137.5°	1873.0	1896.9	1992.6	2088.2	1992.6	1896.9	1873.0	1712.7	1499.0	1392.1	1324.1
140°	1801.0	1823.3	1912.7	2002.1	1912.7	1823.3	1801.0	1662.5	1477.9	1385.6	1325.5
142.5°	1750.4	1769.6	1846.6	1923.5	1846.6	1769.6	1750.4	1628.8	1466.7	1385.6	1330.3
145°	1674.7	1689.2	1747.4	1805.6	1747.4	1689.2	1674.7	1575.2	1442.5	1376.2	1330.3
147.5°	1611.0	1623.1	1671.3	1719.6	1671.3	1623.1	1611.0	1532.7	1428.4	1376.2	1339.4
150°	1574.5	1584.3	1623.4	1662.5	1623.4	1584.3	1574.5	1508.4	1420.3	1376.2	1344.2
152.5°	1545.5	1552.9	1582.4	1612.0	1582.4	1552.9	1545.5	1489.1	1413.8	1376.2	1347.3
155°	1510.9	1515.8	1535.3	1554.9	1535.3	1515.8	1510.9	1466.0	1406.1	1376.2	1354.2
157.5°	1481.0	1484.4	1498.2	1511.9	1498.2	1484.4	1481.0	1446.1	1399.5	1376.2	1361.0
160°	1466.0	1468.0	1475.9	1483.8	1475.9	1468.0	1466.0	1436.1	1396.2	1376.2	1364.1
162.5°	1452.0	1453.9	1461.3	1468.8	1461.3	1453.9	1452.0	1426.7	1393.0	1376.2	1367.5
165°	1430.5	1432.5	1440.3	1448.2	1440.3	1432.5	1430.5	1412.4	1388.3	1376.2	1372.2
167.5°	1421.1	1421.9	1425.3	1428.6	1425.3	1421.9	1421.1	1409.3	1393.5	1385.6	1382.3
170°	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1409.3	1393.5	1385.6	1385.4
172.5°	1413.6	1412.9	1410.0	1407.1	1410.0	1412.9	1413.6	1404.3	1391.8	1385.6	1385.6
175°	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1397.4	1389.5	1385.6	1387.5
177.5°	1401.5	1400.7	1397.3	1394.0	1397.3	1400.7	1401.5	1396.8	1390.5	1387.4	1388.9
180°	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2682.8	2682.8	2682.8	2682.8	2682.8
2.5°	2649.8	2662.5	2670.1	2680.3	2705.6
5°	2548.3	2596.5	2611.7	2649.8	2695.5
7.5°	2324.9	2472.1	2512.7	2604.1	2675.2
10°	2109.2	2256.4	2327.5	2543.2	2649.8
12.5°	2000.0	2086.3	2134.6	2436.6	2614.3
15°	1931.5	1992.4	2028.0	2294.5	2573.7
17.5°	1878.2	1921.4	1946.7	2154.9	2517.8
20°	1845.2	1865.5	1888.4	2053.3	2454.4
22.5°	1822.4	1809.7	1827.4	1982.3	2368.1
25°	1807.1	1758.9	1779.2	1926.4	2266.5
27.5°	1819.8	1713.2	1720.8	1875.7	2159.9
30°	1822.4	1657.4	1659.9	1822.4	2040.6
32.5°	1804.6	1599.0	1601.6	1756.4	1906.1
35°	1761.5	1530.5	1527.9	1680.2	1723.4
37.5°	1703.1	1456.9	1456.9	1596.5	1522.9
40°	1632.0	1383.3	1390.9	1487.3	1345.2
42.5°	1545.7	1304.6	1314.7	1342.7	1213.2
45°	1451.8	1228.4	1236.1	1134.5	1111.7
47.5°	1347.7	1149.8	1152.3	941.6	1078.7
50°	1223.4	1068.5	1058.4	807.1	1076.2
52.5°	1114.2	979.7	949.3	731.0	977.2
55°	1007.6	885.8	819.8	672.6	906.1
57.5°	913.7	764.0	700.5	604.1	890.9
60°	827.4	644.7	596.5	530.5	817.3
62.5°	756.4	555.8	545.7	479.7	741.1
65°	680.2	494.9	492.4	436.6	629.5
67.5°	606.6	454.3	451.8	395.9	479.7
70°	527.9	411.2	406.1	352.8	355.3
72.5°	446.7	363.0	357.9	317.3	294.4
75°	365.5	307.1	304.6	276.7	238.6
77.5°	286.8	243.7	248.7	223.4	175.1
80°	205.6	177.7	182.7	159.9	132.0
82.5°	137.1	116.8	121.8	101.5	88.8
85°	76.1	66.0	68.5	53.3	40.6
87.5°	35.5	30.5	30.5	20.3	12.7
90°	41.2	26.2	24.3	16.9	9.4
92.5°	253.9	180.6	164.7	101.0	37.4
95°	624.7	351.8	322.7	206.2	89.8
97.5°	841.4	386.4	360.7	258.0	155.3
100°	920.3	415.4	392.1	299.0	205.8
102.5°	956.5	444.4	422.7	335.8	248.9
105°	983.3	487.4	469.0	395.4	321.8
107.5°	988.2	551.0	533.9	465.3	396.7
110°	980.8	586.6	571.1	509.2	447.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	981.1	629.6	614.8	555.8	496.8
115°	990.1	694.2	680.6	626.1	571.6
117.5°	1008.6	756.9	744.5	695.0	645.5
120°	1023.5	793.4	781.8	735.2	688.6
122.5°	1045.0	836.4	824.7	777.7	730.7
125°	1074.0	891.6	880.9	838.0	795.2
127.5°	1103.0	944.9	934.1	890.8	847.6
130°	1124.3	980.5	968.9	922.3	875.7
132.5°	1141.4	1009.5	997.9	951.3	904.7
135°	1160.1	1043.2	1032.6	990.1	947.7
137.5°	1188.2	1086.2	1075.7	1033.7	991.7
140°	1205.3	1115.2	1105.5	1066.9	1028.2
142.5°	1219.7	1136.7	1127.8	1092.0	1056.2
145°	1238.4	1169.5	1161.7	1130.5	1099.3
147.5°	1265.8	1210.6	1203.0	1172.7	1142.3
150°	1280.1	1232.1	1225.2	1197.8	1170.4
152.5°	1289.5	1246.2	1241.0	1220.2	1199.4
155°	1310.1	1277.0	1273.2	1257.8	1242.4
157.5°	1330.7	1307.9	1304.2	1289.2	1274.2
160°	1340.0	1321.9	1319.0	1307.4	1295.8
162.5°	1350.0	1336.9	1334.7	1326.0	1317.3
165°	1364.3	1358.4	1356.4	1348.6	1340.7
167.5°	1375.6	1370.6	1369.7	1365.9	1362.2
170°	1384.9	1384.6	1383.7	1379.9	1376.2
172.5°	1385.6	1385.6	1385.4	1384.5	1383.7
175°	1391.2	1394.0	1394.0	1394.0	1394.0
177.5°	1391.8	1394.0	1394.0	1394.0	1394.0
180°	1394.0	1394.0	1394.0	1394.0	1394.0



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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	13.93	14.74	14.94	15.76	17.12	16.76	17.56	17.77	18.58	19.94
	3H	14.40	15.13	15.43	16.16	17.54	18.10	18.82	19.12	19.85	21.23
	4H	14.59	15.28	15.63	16.31	17.70	18.54	19.22	19.57	20.25	21.64
	6H	14.71	15.34	15.75	16.38	17.78	18.82	19.45	19.86	20.48	21.88
	8H	14.71	15.31	15.76	16.36	17.76	18.89	19.49	19.94	20.54	21.94
	12H	14.68	15.25	15.73	16.29	17.71	18.92	19.49	19.98	20.54	21.96
4H	2H	14.96	15.64	16.00	16.67	18.06	17.16	17.84	18.20	18.87	20.26
	3H	15.98	16.55	17.03	17.61	19.01	18.66	19.23	19.71	20.29	21.69
	4H	16.25	16.77	17.31	17.83	19.25	19.18	19.70	20.24	20.76	22.18
	6H	16.37	16.82	17.44	17.90	19.32	19.54	19.99	20.61	21.07	22.49
	8H	16.38	16.80	17.44	17.86	19.30	19.65	20.07	20.71	21.13	22.57
	12H	16.34	16.72	17.43	17.80	19.24	19.70	20.08	20.78	21.16	22.60
8H	4H	16.70	17.12	17.77	18.19	19.62	19.30	19.72	20.37	20.79	22.22
	6H	16.96	17.31	18.05	18.41	19.85	19.74	20.08	20.82	21.19	22.62
	8H	17.00	17.30	18.10	18.40	19.85	19.89	20.19	20.98	21.28	22.73
	12H	16.98	17.25	18.08	18.34	19.83	19.98	20.25	21.08	21.34	22.83
12H	4H	16.70	17.08	17.79	18.16	19.60	19.26	19.64	20.35	20.72	22.16
	6H	17.02	17.32	18.11	18.42	19.87	19.73	20.04	20.83	21.13	22.58
	8H	17.08	17.35	18.18	18.44	19.93	19.89	20.16	20.99	21.24	22.74