

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: P935581

Luminaire Tested: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935581
REPORT IS A COMBINATION OF REPORTS P933757 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

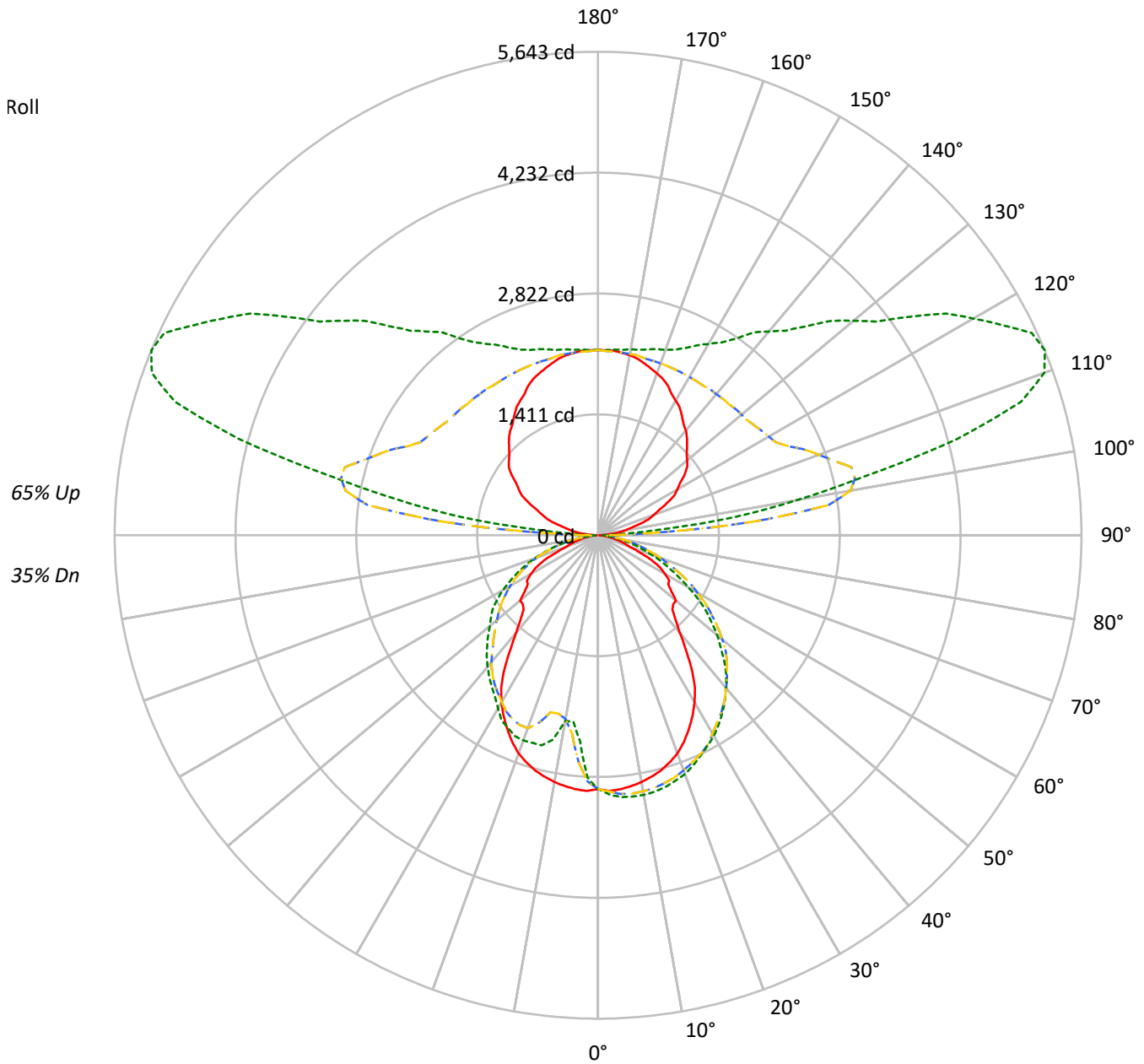
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21700.5 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 166.8
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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9161	9161	9161	9161
5°	9233	9248	9233	7271
10°	9175	9109	9175	6513
15°	9078	8912	9078	7442
20°	8892	8678	8892	7457
25°	8507	8337	8507	7299
30°	8008	8054	8008	6952
35°	7142	7696	7142	6571
40°	5955	7274	5955	6283
45°	5324	6781	5324	5951
50°	5660	6192	5660	5619
55°	5331	5558	5331	5427
60°	5502	4721	5502	4970
65°	4997	3902	4997	4362
70°	3468	3110	3468	3657
75°	3053	2299	3053	2753
80°	2478	1520	2478	1655
85°	1452	805	1452	684

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8155 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.4	1.2
10°-20°	759.1	3.5
20°-30°	1173.4	5.4
30°-40°	1400.8	6.5
40°-50°	1409.0	6.5
50°-60°	1226.0	5.6
60°-70°	869.2	4.0
70°-80°	459.9	2.1
80°-90°	122.8	0.6
90°-100°	1053.7	4.9
100°-110°	2770.2	12.8
110°-120°	2872.4	13.2
120°-130°	2304.0	10.6
130°-140°	1807.8	8.3
140°-150°	1387.6	6.4
150°-160°	999.3	4.6
160°-170°	611.4	2.8
170°-180°	206.6	1.0
0°-30°	2199.9	10.1
0°-40°	3600.6	16.6
0°-60°	6235.6	28.7
0°-90°	7687.5	35.4
90°-120°	6696.3	30.9
90°-150°	12195.7	56.2
90°-180°	14013.0	64.6
0°-180°	21700.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2962	2962	2962	2962	2962	
5°	2976	3068	2976	2412	2976	282
15°	2841	3040	2841	2539	2841	799
25°	2502	2836	2502	2483	2502	1149
35°	1903	2530	1903	2160	1903	1177
45°	1227	2085	1227	1830	1227	983
55°	1000	1538	1000	1502	1000	919
65°	695	928	695	1037	695	664
75°	263	440	263	527	263	277
85°	45	112	45	95	45	61
90°	14	55	14	55	14	14
95°	139	637	139	637	139	155
105°	499	4338	499	4338	499	529
115°	886	5585	886	5585	886	876
125°	1233	4448	1233	4448	1233	1095
135°	1470	3451	1470	3451	1470	1137
145°	1705	2800	1705	2800	1705	1068
155°	1927	2411	1927	2411	1927	885
165°	2079	2246	2079	2246	2079	587
175°	2162	2176	2162	2176	2162	205
180°	2162	2162	2162	2162	2162	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8
2.5°	2987.0	2987.0	3003.8	3009.4	3009.4	3001.0	2992.6	3001.0	3026.3	3034.7	3031.9
5°	2975.8	2998.2	3029.1	3034.7	3040.3	3037.5	3031.9	3037.5	3065.5	3071.1	3073.9
7.5°	2953.4	2995.4	3034.7	3043.1	3051.5	3043.1	3040.3	3045.9	3073.9	3079.5	3079.5
10°	2925.4	2984.2	3029.1	3034.7	3043.1	3034.7	3034.7	3045.9	3073.9	3079.5	3082.3
12.5°	2886.2	2967.4	3009.4	3015.0	3026.3	3023.5	3020.6	3031.9	3059.9	3065.5	3065.5
15°	2841.3	2936.6	2975.8	2981.4	3001.0	2995.4	2995.4	3006.6	3037.5	3045.9	3043.1
17.5°	2779.7	2897.4	2942.2	2950.6	2964.6	2961.8	2964.6	2975.8	3003.8	3009.4	3012.2
20°	2709.6	2844.1	2897.4	2905.8	2919.8	2919.8	2919.8	2933.8	2961.8	2973.0	2973.0
22.5°	2614.4	2788.1	2844.1	2849.7	2866.5	2866.5	2872.1	2891.8	2917.0	2919.8	2919.8
25°	2502.3	2726.4	2774.1	2790.9	2807.7	2816.1	2824.5	2835.7	2844.1	2841.3	2844.1
27.5°	2384.5	2648.0	2709.6	2720.8	2743.3	2751.7	2762.9	2765.7	2768.5	2776.9	2771.3
30°	2252.8	2538.7	2631.2	2642.4	2678.8	2684.4	2673.2	2678.8	2692.8	2698.4	2704.0
32.5°	2104.3	2376.1	2549.9	2575.1	2608.8	2591.9	2589.1	2597.5	2620.0	2620.0	2625.6
35°	1902.6	2250.0	2474.3	2496.7	2521.9	2502.3	2513.5	2516.3	2530.3	2538.7	2535.9
37.5°	1681.2	2140.7	2395.7	2412.5	2432.1	2406.9	2423.7	2432.1	2443.3	2437.7	2437.7
40°	1485.1	1969.8	2303.2	2314.5	2331.3	2311.6	2328.5	2334.1	2339.7	2334.1	2331.3
42.5°	1339.4	1782.1	2205.2	2219.2	2208.0	2222.0	2227.6	2238.8	2230.4	2219.2	2219.2
45°	1227.3	1731.6	2098.7	2115.5	2098.7	2121.1	2129.5	2129.5	2104.3	2098.7	2095.9
47.5°	1190.9	1630.8	1992.2	1992.2	1983.8	2011.8	2025.8	2006.2	1981.0	1972.6	1972.6
50°	1188.0	1518.7	1846.5	1835.3	1874.5	1908.2	1894.2	1874.5	1854.9	1824.1	1824.1
52.5°	1078.8	1381.4	1658.8	1700.8	1762.5	1782.1	1759.7	1740.0	1706.4	1692.4	1681.2
55°	1000.3	1238.5	1487.9	1571.9	1636.4	1661.6	1619.6	1599.9	1549.5	1541.1	1535.5
57.5°	983.5	1031.1	1331.0	1437.4	1515.9	1513.1	1487.9	1451.4	1409.4	1401.0	1398.2
60°	902.2	745.3	1162.8	1288.9	1370.2	1361.8	1339.4	1305.7	1266.5	1260.9	1255.3
62.5°	818.2	540.8	972.3	1115.2	1230.1	1227.3	1207.7	1157.2	1129.2	1115.2	1104.0
65°	694.9	453.9	692.1	927.5	1092.8	1098.4	1056.4	1019.9	989.1	972.3	969.5
67.5°	529.6	369.9	467.9	773.4	961.1	955.5	902.2	885.4	846.2	837.8	821.0
70°	392.3	246.6	325.0	627.6	832.2	818.2	776.2	756.5	720.1	700.5	689.3
72.5°	325.0	198.9	238.2	487.5	700.5	683.7	647.3	624.8	594.0	577.2	566.0
75°	263.4	210.2	182.1	361.5	568.8	557.6	524.0	501.6	476.3	453.9	456.7
77.5°	193.3	196.1	145.7	266.2	451.1	434.3	414.7	386.7	375.5	353.1	353.1
80°	145.7	154.1	109.3	182.1	325.0	325.0	308.2	288.6	269.0	257.8	257.8
82.5°	98.1	98.1	81.3	114.9	221.4	213.0	201.7	196.1	184.9	179.3	179.3
85°	44.8	56.0	50.4	70.0	120.5	126.1	126.1	120.5	117.7	112.1	114.9
87.5°	14.0	25.2	30.8	39.2	61.6	64.4	67.2	67.2	67.2	70.0	70.0
90°	14.5	26.1	37.7	40.6	63.8	94.7	110.2	98.0	73.5	55.1	55.1
92.5°	58.0	156.6	255.4	280.0	393.7	545.2	620.9	544.1	390.7	275.6	264.7
95°	139.3	319.8	500.3	545.5	968.6	1532.8	1814.9	1619.5	1228.8	935.8	902.5
97.5°	240.8	400.0	559.4	599.2	1304.7	2245.4	2715.8	2592.3	2345.4	2160.2	2096.9
100°	319.1	463.6	608.0	644.2	1427.1	2471.0	2992.9	3002.0	3020.0	3033.5	2958.3
102.5°	385.9	520.7	655.4	689.1	1483.2	2541.9	3071.3	3228.6	3543.2	3779.2	3714.8
105°	499.0	613.2	727.3	755.9	1524.8	2549.9	3062.5	3415.2	4120.6	4649.6	4615.0
107.5°	615.1	721.5	827.9	854.5	1532.5	2436.5	2888.5	3380.4	4364.3	5102.3	5110.7
110°	693.5	789.5	885.6	909.6	1520.8	2335.8	2743.3	3293.4	4393.3	5218.4	5254.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	770.4	861.9	953.4	976.3	1521.3	2248.0	2611.4	3174.3	4300.0	5144.4	5199.9
115°	886.4	970.8	1055.3	1076.4	1535.4	2147.3	2453.2	2995.5	4080.0	4893.4	4970.3
117.5°	1001.1	1077.7	1154.5	1173.7	1563.9	2084.2	2344.4	2833.8	3812.6	4546.6	4631.9
120°	1067.7	1139.9	1212.2	1230.3	1587.1	2063.0	2300.9	2748.1	3642.4	4313.1	4396.0
122.5°	1133.0	1205.9	1278.7	1297.0	1620.5	2051.9	2267.6	2670.2	3475.5	4079.5	4161.3
125°	1233.2	1299.6	1366.0	1382.6	1665.5	2042.7	2231.2	2573.3	3257.4	3770.5	3845.7
127.5°	1314.4	1381.5	1448.5	1465.3	1710.4	2037.3	2200.8	2494.4	3081.8	3522.4	3585.9
130°	1357.9	1430.1	1502.3	1520.4	1743.3	2040.6	2189.2	2450.6	2973.6	3365.8	3424.4
132.5°	1402.9	1475.1	1547.4	1565.4	1769.9	2042.7	2179.0	2413.1	2881.2	3232.3	3284.9
135°	1469.6	1535.4	1601.2	1617.6	1799.0	2040.8	2161.6	2357.7	2749.7	3043.7	3089.0
137.5°	1537.8	1602.9	1668.0	1684.3	1842.4	2053.3	2158.8	2324.4	2655.8	2904.4	2941.4
140°	1594.3	1654.3	1714.3	1729.3	1869.0	2055.4	2148.6	2291.7	2577.9	2792.7	2827.3
142.5°	1637.9	1693.3	1748.8	1762.6	1891.3	2062.8	2148.6	2274.3	2525.8	2714.4	2744.2
145°	1704.6	1753.0	1801.4	1813.5	1920.3	2062.8	2134.1	2236.9	2442.6	2596.8	2619.4
147.5°	1771.3	1818.4	1865.5	1877.2	1962.9	2077.0	2134.1	2215.0	2376.8	2498.2	2516.8
150°	1814.9	1857.4	1900.0	1910.7	1985.1	2084.4	2134.1	2202.5	2339.1	2441.6	2456.7
152.5°	1859.9	1892.1	1924.4	1932.4	1999.7	2089.3	2134.1	2192.5	2309.1	2396.6	2408.1
155°	1926.6	1950.5	1974.3	1980.3	2031.5	2099.9	2134.1	2180.5	2273.4	2342.9	2350.5
157.5°	1976.0	1999.1	2022.4	2028.2	2063.5	2110.6	2134.1	2170.1	2242.3	2296.5	2301.8
160°	2009.3	2027.3	2045.5	2049.9	2078.0	2115.4	2134.1	2165.0	2226.9	2273.4	2276.4
162.5°	2042.7	2056.2	2069.7	2073.1	2093.5	2120.6	2134.1	2160.2	2212.5	2251.6	2254.5
165°	2078.9	2091.1	2103.4	2106.5	2115.7	2127.9	2134.1	2152.8	2190.1	2218.2	2221.2
167.5°	2112.3	2118.1	2123.9	2125.3	2133.1	2143.4	2148.6	2160.8	2185.3	2203.7	2205.0
170°	2134.1	2139.9	2145.7	2147.1	2147.5	2148.2	2148.6	2160.8	2185.3	2203.7	2203.7
172.5°	2145.7	2147.0	2148.3	2148.6	2148.6	2148.6	2148.6	2158.3	2177.6	2192.1	2191.0
175°	2161.6	2161.6	2161.6	2161.6	2157.3	2151.5	2148.6	2154.7	2167.0	2176.1	2176.1
177.5°	2161.6	2161.6	2161.6	2161.6	2158.3	2153.7	2151.5	2156.3	2165.9	2173.2	2171.9
180°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8
2.5°	3037.5	3029.1	3037.5	3031.9	3034.7	3026.3	3001.0	2992.6	3001.0	3009.4	3009.4
5°	3073.9	3068.3	3073.9	3073.9	3071.1	3065.5	3037.5	3031.9	3037.5	3040.3	3034.7
7.5°	3085.1	3076.7	3085.1	3079.5	3079.5	3073.9	3045.9	3040.3	3043.1	3051.5	3043.1
10°	3085.1	3076.7	3085.1	3082.3	3079.5	3073.9	3045.9	3034.7	3034.7	3043.1	3034.7
12.5°	3071.1	3065.5	3071.1	3065.5	3065.5	3059.9	3031.9	3020.6	3023.5	3026.3	3015.0
15°	3048.7	3040.3	3048.7	3043.1	3045.9	3037.5	3006.6	2995.4	2995.4	3001.0	2981.4
17.5°	3015.0	3003.8	3015.0	3012.2	3009.4	3003.8	2975.8	2964.6	2961.8	2964.6	2950.6
20°	2975.8	2967.4	2975.8	2973.0	2973.0	2961.8	2933.8	2919.8	2919.8	2919.8	2905.8
22.5°	2914.2	2905.8	2914.2	2919.8	2919.8	2917.0	2891.8	2872.1	2866.5	2866.5	2849.7
25°	2844.1	2835.7	2844.1	2844.1	2841.3	2844.1	2835.7	2824.5	2816.1	2807.7	2790.9
27.5°	2776.9	2771.3	2776.9	2771.3	2776.9	2768.5	2765.7	2762.9	2751.7	2743.3	2720.8
30°	2709.6	2704.0	2709.6	2704.0	2698.4	2692.8	2678.8	2673.2	2684.4	2678.8	2642.4
32.5°	2625.6	2620.0	2625.6	2625.6	2620.0	2620.0	2597.5	2589.1	2591.9	2608.8	2575.1
35°	2538.7	2530.3	2538.7	2535.9	2538.7	2530.3	2516.3	2513.5	2502.3	2521.9	2496.7
37.5°	2437.7	2429.3	2437.7	2437.7	2437.7	2443.3	2432.1	2423.7	2406.9	2432.1	2412.5
40°	2334.1	2322.9	2334.1	2331.3	2334.1	2339.7	2334.1	2328.5	2311.6	2331.3	2314.5
42.5°	2216.4	2213.6	2216.4	2219.2	2219.2	2230.4	2238.8	2227.6	2222.0	2208.0	2219.2
45°	2090.3	2084.7	2090.3	2095.9	2098.7	2104.3	2129.5	2129.5	2121.1	2098.7	2115.5
47.5°	1955.8	1941.8	1955.8	1972.6	1972.6	1981.0	2006.2	2025.8	2011.8	1983.8	1992.2
50°	1812.9	1815.7	1812.9	1824.1	1824.1	1854.9	1874.5	1894.2	1908.2	1874.5	1835.3
52.5°	1672.8	1670.0	1672.8	1681.2	1692.4	1706.4	1740.0	1759.7	1782.1	1762.5	1700.8
55°	1532.7	1538.3	1532.7	1535.5	1541.1	1549.5	1599.9	1619.6	1661.6	1636.4	1571.9
57.5°	1392.6	1384.2	1392.6	1398.2	1401.0	1409.4	1451.4	1487.9	1513.1	1515.9	1437.4
60°	1230.1	1218.9	1230.1	1255.3	1260.9	1266.5	1305.7	1339.4	1361.8	1370.2	1288.9
62.5°	1087.2	1067.6	1087.2	1104.0	1115.2	1129.2	1157.2	1207.7	1227.3	1230.1	1115.2
65°	935.9	927.5	935.9	969.5	972.3	989.1	1019.9	1056.4	1098.4	1092.8	927.5
67.5°	798.6	798.6	798.6	821.0	837.8	846.2	885.4	902.2	955.5	961.1	773.4
70°	672.5	669.7	672.5	689.3	700.5	720.1	756.5	776.2	818.2	832.2	627.6
72.5°	552.0	549.2	552.0	566.0	577.2	594.0	624.8	647.3	683.7	700.5	487.5
75°	445.5	439.9	445.5	456.7	453.9	476.3	501.6	524.0	557.6	568.8	361.5
77.5°	341.8	341.8	341.8	353.1	353.1	375.5	386.7	414.7	434.3	451.1	266.2
80°	255.0	252.2	255.0	257.8	257.8	269.0	288.6	308.2	325.0	325.0	182.1
82.5°	179.3	173.7	179.3	179.3	179.3	184.9	196.1	201.7	213.0	221.4	114.9
85°	112.1	112.1	112.1	114.9	112.1	117.7	120.5	126.1	126.1	120.5	70.0
87.5°	72.9	70.0	72.9	70.0	70.0	67.2	67.2	67.2	64.4	61.6	39.2
90°	55.1	55.1	55.1	55.1	55.1	73.5	98.0	110.2	94.7	63.8	40.6
92.5°	220.8	177.0	220.8	264.7	275.6	390.7	544.1	620.9	545.2	393.7	280.0
95°	769.7	636.9	769.7	902.5	935.8	1228.8	1619.5	1814.9	1532.8	968.6	545.5
97.5°	1844.2	1591.4	1844.2	2096.9	2160.2	2345.4	2592.3	2715.8	2245.4	1304.7	599.2
100°	2657.1	2356.0	2657.1	2958.3	3033.5	3020.0	3002.0	2992.9	2471.0	1427.1	644.2
102.5°	3456.8	3199.0	3456.8	3714.8	3779.2	3543.2	3228.6	3071.3	2541.9	1483.2	689.1
105°	4476.4	4337.8	4476.4	4615.0	4649.6	4120.6	3415.2	3062.5	2549.9	1524.8	755.9
107.5°	5144.2	5177.7	5144.2	5110.7	5102.3	4364.3	3380.4	2888.5	2436.5	1532.5	854.5
110°	5398.9	5543.3	5398.9	5254.5	5218.4	4393.3	3293.4	2743.3	2335.8	1520.8	909.6



TEST NUMBER: P935581

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5421.6	5643.4	5421.6	5199.9	5144.4	4300.0	3174.3	2611.4	2248.0	1521.3	976.3
115°	5277.8	5585.4	5277.8	4970.3	4893.4	4080.0	2995.5	2453.2	2147.3	1535.4	1076.4
117.5°	4973.0	5314.1	4973.0	4631.9	4546.6	3812.6	2833.8	2344.4	2084.2	1563.9	1173.7
120°	4727.3	5058.7	4727.3	4396.0	4313.1	3642.4	2748.1	2300.9	2063.0	1587.1	1230.3
122.5°	4488.2	4815.1	4488.2	4161.3	4079.5	3475.5	2670.2	2267.6	2051.9	1620.5	1297.0
125°	4146.9	4448.0	4146.9	3845.7	3770.5	3257.4	2573.3	2231.2	2042.7	1665.5	1382.6
127.5°	3840.0	4094.0	3840.0	3585.9	3522.4	3081.8	2494.4	2200.8	2037.3	1710.4	1465.3
130°	3659.1	3893.8	3659.1	3424.4	3365.8	2973.6	2450.6	2189.2	2040.6	1743.3	1520.4
132.5°	3495.0	3705.2	3495.0	3284.9	3232.3	2881.2	2413.1	2179.0	2042.7	1769.9	1565.4
135°	3270.1	3451.3	3270.1	3089.0	3043.7	2749.7	2357.7	2161.6	2040.8	1799.0	1617.6
137.5°	3089.8	3238.1	3089.8	2941.4	2904.4	2655.8	2324.4	2158.8	2053.3	1842.4	1684.3
140°	2966.0	3104.6	2966.0	2827.3	2792.7	2577.9	2291.7	2148.6	2055.4	1869.0	1729.3
142.5°	2863.5	2982.7	2863.5	2744.2	2714.4	2525.8	2274.3	2148.6	2062.8	1891.3	1762.6
145°	2709.6	2799.9	2709.6	2619.4	2596.8	2442.6	2236.9	2134.1	2062.8	1920.3	1813.5
147.5°	2591.7	2666.5	2591.7	2516.8	2498.2	2376.8	2215.0	2134.1	2077.0	1962.9	1877.2
150°	2517.4	2578.0	2517.4	2456.7	2441.6	2339.1	2202.5	2134.1	2084.4	1985.1	1910.7
152.5°	2453.9	2499.7	2453.9	2408.1	2396.6	2309.1	2192.5	2134.1	2089.3	1999.7	1932.4
155°	2380.9	2411.1	2380.9	2350.5	2342.9	2273.4	2180.5	2134.1	2099.9	2031.5	1980.3
157.5°	2323.1	2344.4	2323.1	2301.8	2296.5	2242.3	2170.1	2134.1	2110.6	2063.5	2028.2
160°	2288.7	2300.9	2288.7	2276.4	2273.4	2226.9	2165.0	2134.1	2115.4	2078.0	2049.9
162.5°	2266.1	2277.7	2266.1	2254.5	2251.6	2212.5	2160.2	2134.1	2120.6	2093.5	2073.1
165°	2233.5	2245.8	2233.5	2221.2	2218.2	2190.1	2152.8	2134.1	2127.9	2115.7	2106.5
167.5°	2210.1	2215.3	2210.1	2205.0	2203.7	2185.3	2160.8	2148.6	2143.4	2133.1	2125.3
170°	2203.7	2203.7	2203.7	2203.7	2203.7	2185.3	2160.8	2148.6	2148.2	2147.5	2147.1
172.5°	2186.4	2181.9	2186.4	2191.0	2192.1	2177.6	2158.3	2148.6	2148.6	2148.6	2148.6
175°	2176.1	2176.1	2176.1	2176.1	2176.1	2167.0	2154.7	2148.6	2151.5	2157.3	2161.6
177.5°	2166.8	2161.6	2166.8	2171.9	2173.2	2165.9	2156.3	2151.5	2153.7	2158.3	2161.6
180°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6



TEST NUMBER: P935581
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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8
2.5°	3003.8	2987.0	2987.0	2959.0	2947.8	2939.4	2925.4	2883.4	2872.1	2860.9	2877.7
5°	3029.1	2998.2	2975.8	2925.4	2883.4	2866.5	2813.3	2712.4	2645.2	2594.7	2566.7
7.5°	3034.7	2995.4	2953.4	2874.9	2774.1	2729.2	2566.7	2381.7	2331.3	2286.4	2258.4
10°	3029.1	2984.2	2925.4	2807.7	2569.5	2491.1	2328.5	2208.0	2177.2	2168.7	2177.2
12.5°	3009.4	2967.4	2886.2	2690.0	2356.5	2303.2	2208.0	2137.9	2132.3	2146.3	2222.0
15°	2975.8	2936.6	2841.3	2533.1	2238.8	2199.6	2132.3	2107.1	2137.9	2236.0	2463.0
17.5°	2942.2	2897.4	2779.7	2378.9	2149.1	2121.1	2073.5	2123.9	2297.6	2429.3	2505.1
20°	2897.4	2844.1	2709.6	2266.8	2084.7	2059.5	2037.1	2264.0	2395.7	2443.3	2485.5
22.5°	2844.1	2788.1	2614.4	2188.4	2017.4	1997.8	2011.8	2342.5	2395.7	2429.3	2465.8
25°	2774.1	2726.4	2502.3	2126.7	1964.2	1941.8	1995.0	2334.1	2364.9	2373.3	2446.1
27.5°	2709.6	2648.0	2384.5	2070.7	1899.8	1891.4	2009.0	2297.6	2320.1	2328.5	2406.9
30°	2631.2	2538.7	2252.8	2011.8	1832.5	1829.7	2011.8	2252.8	2247.2	2269.6	2348.1
32.5°	2549.9	2376.1	2104.3	1939.0	1768.1	1765.3	1992.2	2185.6	2180.0	2210.8	2269.6
35°	2474.3	2250.0	1902.6	1854.9	1686.8	1689.6	1944.6	2107.1	2109.9	2137.9	2174.4
37.5°	2395.7	2140.7	1681.2	1762.5	1608.3	1608.3	1880.1	2034.3	2028.6	2037.1	2087.5
40°	2303.2	1969.8	1485.1	1642.0	1535.5	1527.1	1801.7	1955.8	1936.2	1933.4	2003.4
42.5°	2205.2	1782.1	1339.4	1482.3	1451.4	1440.2	1706.4	1860.5	1824.1	1832.5	1922.2
45°	2098.7	1731.6	1227.3	1252.5	1364.6	1356.2	1602.7	1751.2	1726.0	1748.4	1840.9
47.5°	1992.2	1630.8	1190.9	1039.5	1272.1	1269.3	1487.9	1644.8	1630.8	1653.2	1751.2
50°	1846.5	1518.7	1188.0	891.0	1168.4	1179.6	1350.6	1541.1	1541.1	1560.7	1664.4
52.5°	1658.8	1381.4	1078.8	807.0	1047.9	1081.6	1230.1	1451.4	1457.0	1476.7	1569.1
55°	1487.9	1238.5	1000.3	742.5	905.0	977.9	1112.4	1359.0	1370.2	1389.8	1473.9
57.5°	1331.0	1031.1	983.5	666.9	773.4	843.4	1008.7	1269.3	1274.9	1291.7	1373.0
60°	1162.8	745.3	902.2	585.6	658.5	711.7	913.5	1162.8	1182.4	1193.7	1263.7
62.5°	972.3	540.8	818.2	529.6	602.4	613.6	835.0	1062.0	1087.2	1095.6	1137.6
65°	692.1	453.9	694.9	481.9	543.6	546.4	750.9	958.3	980.7	994.7	1025.5
67.5°	467.9	369.9	529.6	437.1	498.8	501.6	669.7	837.8	868.6	879.8	899.4
70°	325.0	246.6	392.3	389.5	448.3	453.9	582.8	728.5	756.5	764.9	776.2
72.5°	238.2	198.9	325.0	350.2	395.1	400.7	493.2	605.2	633.3	641.7	647.3
75°	182.1	210.2	263.4	305.4	336.2	339.0	403.5	493.2	512.8	518.4	521.2
77.5°	145.7	196.1	193.3	246.6	274.6	269.0	316.6	381.1	397.9	397.9	397.9
80°	109.3	154.1	145.7	176.5	201.7	196.1	227.0	271.8	277.4	283.0	280.2
82.5°	81.3	98.1	98.1	112.1	134.5	128.9	151.3	176.5	176.5	176.5	182.1
85°	50.4	56.0	44.8	58.8	75.7	72.9	84.1	95.3	98.1	98.1	92.5
87.5°	30.8	25.2	14.0	22.4	33.6	33.6	39.2	42.0	39.2	39.2	39.2
90°	37.7	26.1	14.5	26.1	37.7	40.6	63.8	94.7	110.2	98.0	73.5
92.5°	255.4	156.6	58.0	156.6	255.4	280.0	393.7	545.2	620.9	544.1	390.7
95°	500.3	319.8	139.3	319.8	500.3	545.5	968.6	1532.8	1814.9	1619.5	1228.8
97.5°	559.4	400.0	240.8	400.0	559.4	599.2	1304.7	2245.4	2715.8	2592.3	2345.4
100°	608.0	463.6	319.1	463.6	608.0	644.2	1427.1	2471.0	2992.9	3002.0	3020.0
102.5°	655.4	520.7	385.9	520.7	655.4	689.1	1483.2	2541.9	3071.3	3228.6	3543.2
105°	727.3	613.2	499.0	613.2	727.3	755.9	1524.8	2549.9	3062.5	3415.2	4120.6
107.5°	827.9	721.5	615.1	721.5	827.9	854.5	1532.5	2436.5	2888.5	3380.4	4364.3
110°	885.6	789.5	693.5	789.5	885.6	909.6	1520.8	2335.8	2743.3	3293.4	4393.3



TEST NUMBER: P935581

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	953.4	861.9	770.4	861.9	953.4	976.3	1521.3	2248.0	2611.4	3174.3	4300.0
115°	1055.3	970.8	886.4	970.8	1055.3	1076.4	1535.4	2147.3	2453.2	2995.5	4080.0
117.5°	1154.5	1077.7	1001.1	1077.7	1154.5	1173.7	1563.9	2084.2	2344.4	2833.8	3812.6
120°	1212.2	1139.9	1067.7	1139.9	1212.2	1230.3	1587.1	2063.0	2300.9	2748.1	3642.4
122.5°	1278.7	1205.9	1133.0	1205.9	1278.7	1297.0	1620.5	2051.9	2267.6	2670.2	3475.5
125°	1366.0	1299.6	1233.2	1299.6	1366.0	1382.6	1665.5	2042.7	2231.2	2573.3	3257.4
127.5°	1448.5	1381.5	1314.4	1381.5	1448.5	1465.3	1710.4	2037.3	2200.8	2494.4	3081.8
130°	1502.3	1430.1	1357.9	1430.1	1502.3	1520.4	1743.3	2040.6	2189.2	2450.6	2973.6
132.5°	1547.4	1475.1	1402.9	1475.1	1547.4	1565.4	1769.9	2042.7	2179.0	2413.1	2881.2
135°	1601.2	1535.4	1469.6	1535.4	1601.2	1617.6	1799.0	2040.8	2161.6	2357.7	2749.7
137.5°	1668.0	1602.9	1537.8	1602.9	1668.0	1684.3	1842.4	2053.3	2158.8	2324.4	2655.8
140°	1714.3	1654.3	1594.3	1654.3	1714.3	1729.3	1869.0	2055.4	2148.6	2291.7	2577.9
142.5°	1748.8	1693.3	1637.9	1693.3	1748.8	1762.6	1891.3	2062.8	2148.6	2274.3	2525.8
145°	1801.4	1753.0	1704.6	1753.0	1801.4	1813.5	1920.3	2062.8	2134.1	2236.9	2442.6
147.5°	1865.5	1818.4	1771.3	1818.4	1865.5	1877.2	1962.9	2077.0	2134.1	2215.0	2376.8
150°	1900.0	1857.4	1814.9	1857.4	1900.0	1910.7	1985.1	2084.4	2134.1	2202.5	2339.1
152.5°	1924.4	1892.1	1859.9	1892.1	1924.4	1932.4	1999.7	2089.3	2134.1	2192.5	2309.1
155°	1974.3	1950.5	1926.6	1950.5	1974.3	1980.3	2031.5	2099.9	2134.1	2180.5	2273.4
157.5°	2022.4	1999.1	1976.0	1999.1	2022.4	2028.2	2063.5	2110.6	2134.1	2170.1	2242.3
160°	2045.5	2027.3	2009.3	2027.3	2045.5	2049.9	2078.0	2115.4	2134.1	2165.0	2226.9
162.5°	2069.7	2056.2	2042.7	2056.2	2069.7	2073.1	2093.5	2120.6	2134.1	2160.2	2212.5
165°	2103.4	2091.1	2078.9	2091.1	2103.4	2106.5	2115.7	2127.9	2134.1	2152.8	2190.1
167.5°	2123.9	2118.1	2112.3	2118.1	2123.9	2125.3	2133.1	2143.4	2148.6	2160.8	2185.3
170°	2145.7	2139.9	2134.1	2139.9	2145.7	2147.1	2147.5	2148.2	2148.6	2160.8	2185.3
172.5°	2148.3	2147.0	2145.7	2147.0	2148.3	2148.6	2148.6	2148.6	2148.6	2158.3	2177.6
175°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2157.3	2151.5	2148.6	2154.7	2167.0
177.5°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2158.3	2153.7	2151.5	2156.3	2165.9
180°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6



TEST NUMBER: P935581

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8
2.5°	2858.1	2849.7	2860.9	2830.1	2860.9	2849.7	2858.1	2877.7	2860.9	2872.1	2883.4
5°	2507.9	2493.9	2448.9	2412.5	2448.9	2493.9	2507.9	2566.7	2594.7	2645.2	2712.4
7.5°	2241.6	2230.4	2219.2	2196.8	2219.2	2230.4	2241.6	2258.4	2286.4	2331.3	2381.7
10°	2182.8	2185.6	2202.4	2199.6	2202.4	2185.6	2182.8	2177.2	2168.7	2177.2	2208.0
12.5°	2334.1	2359.3	2451.8	2446.1	2451.8	2359.3	2334.1	2222.0	2146.3	2132.3	2137.9
15°	2507.9	2516.3	2535.9	2538.7	2535.9	2516.3	2507.9	2463.0	2236.0	2137.9	2107.1
17.5°	2524.7	2527.5	2541.5	2541.5	2541.5	2527.5	2524.7	2505.1	2429.3	2297.6	2123.9
20°	2510.7	2516.3	2544.3	2549.9	2544.3	2516.3	2510.7	2485.5	2443.3	2395.7	2264.0
22.5°	2505.1	2516.3	2538.7	2535.9	2538.7	2516.3	2505.1	2465.8	2429.3	2395.7	2342.5
25°	2477.1	2477.1	2479.9	2482.7	2479.9	2477.1	2477.1	2446.1	2373.3	2364.9	2334.1
27.5°	2418.1	2423.7	2440.5	2437.7	2440.5	2423.7	2418.1	2406.9	2328.5	2320.1	2297.6
30°	2364.9	2359.3	2345.3	2334.1	2345.3	2359.3	2364.9	2348.1	2269.6	2247.2	2252.8
32.5°	2275.2	2261.2	2247.2	2238.8	2247.2	2261.2	2275.2	2269.6	2210.8	2180.0	2185.6
35°	2168.7	2171.6	2168.7	2160.3	2168.7	2171.6	2168.7	2174.4	2137.9	2109.9	2107.1
37.5°	2093.1	2098.7	2095.9	2084.7	2095.9	2098.7	2093.1	2087.5	2037.1	2028.6	2034.3
40°	2014.6	2017.4	2014.6	2006.2	2014.6	2017.4	2014.6	2003.4	1933.4	1936.2	1955.8
42.5°	1939.0	1936.2	1927.8	1922.2	1927.8	1936.2	1939.0	1922.2	1832.5	1824.1	1860.5
45°	1852.1	1854.9	1838.1	1829.7	1838.1	1854.9	1852.1	1840.9	1748.4	1726.0	1751.2
47.5°	1765.3	1765.3	1751.2	1742.8	1751.2	1765.3	1765.3	1751.2	1653.2	1630.8	1644.8
50°	1672.8	1670.0	1650.4	1647.6	1650.4	1670.0	1672.8	1664.4	1560.7	1541.1	1541.1
52.5°	1566.3	1566.3	1569.1	1574.7	1569.1	1566.3	1566.3	1569.1	1476.7	1457.0	1451.4
55°	1473.9	1476.7	1496.3	1501.9	1496.3	1476.7	1473.9	1473.9	1389.8	1370.2	1359.0
57.5°	1378.6	1378.6	1392.6	1392.6	1392.6	1378.6	1378.6	1373.0	1291.7	1274.9	1269.3
60°	1269.3	1274.9	1286.1	1283.3	1286.1	1274.9	1269.3	1263.7	1193.7	1182.4	1162.8
62.5°	1154.4	1160.0	1162.8	1157.2	1162.8	1160.0	1154.4	1137.6	1095.6	1087.2	1062.0
65°	1033.9	1039.5	1042.3	1036.7	1042.3	1039.5	1033.9	1025.5	994.7	980.7	958.3
67.5°	910.6	907.8	905.0	916.3	905.0	907.8	910.6	899.4	879.8	868.6	837.8
70°	784.6	784.6	781.8	787.4	781.8	784.6	784.6	776.2	764.9	756.5	728.5
72.5°	650.1	647.3	658.5	650.1	658.5	647.3	650.1	647.3	641.7	633.3	605.2
75°	518.4	524.0	518.4	526.8	518.4	524.0	518.4	521.2	518.4	512.8	493.2
77.5°	395.1	400.7	395.1	395.1	395.1	400.7	395.1	397.9	397.9	397.9	381.1
80°	280.2	277.4	277.4	274.6	277.4	277.4	280.2	280.2	283.0	277.4	271.8
82.5°	179.3	176.5	176.5	182.1	176.5	176.5	179.3	182.1	176.5	176.5	176.5
85°	98.1	100.9	95.3	95.3	95.3	100.9	98.1	92.5	98.1	98.1	95.3
87.5°	36.4	33.6	33.6	33.6	33.6	33.6	36.4	39.2	39.2	39.2	42.0
90°	55.1	55.1	55.1	55.1	55.1	55.1	55.1	73.5	98.0	110.2	94.7
92.5°	275.6	264.7	220.8	177.0	220.8	264.7	275.6	390.7	544.1	620.9	545.2
95°	935.8	902.5	769.7	636.9	769.7	902.5	935.8	1228.8	1619.5	1814.9	1532.8
97.5°	2160.2	2096.9	1844.2	1591.4	1844.2	2096.9	2160.2	2345.4	2592.3	2715.8	2245.4
100°	3033.5	2958.3	2657.1	2356.0	2657.1	2958.3	3033.5	3020.0	3002.0	2992.9	2471.0
102.5°	3779.2	3714.8	3456.8	3199.0	3456.8	3714.8	3779.2	3543.2	3228.6	3071.3	2541.9
105°	4649.6	4615.0	4476.4	4337.8	4476.4	4615.0	4649.6	4120.6	3415.2	3062.5	2549.9
107.5°	5102.3	5110.7	5144.2	5177.7	5144.2	5110.7	5102.3	4364.3	3380.4	2888.5	2436.5
110°	5218.4	5254.5	5398.9	5543.3	5398.9	5254.5	5218.4	4393.3	3293.4	2743.3	2335.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5144.4	5199.9	5421.6	5643.4	5421.6	5199.9	5144.4	4300.0	3174.3	2611.4	2248.0
115°	4893.4	4970.3	5277.8	5585.4	5277.8	4970.3	4893.4	4080.0	2995.5	2453.2	2147.3
117.5°	4546.6	4631.9	4973.0	5314.1	4973.0	4631.9	4546.6	3812.6	2833.8	2344.4	2084.2
120°	4313.1	4396.0	4727.3	5058.7	4727.3	4396.0	4313.1	3642.4	2748.1	2300.9	2063.0
122.5°	4079.5	4161.3	4488.2	4815.1	4488.2	4161.3	4079.5	3475.5	2670.2	2267.6	2051.9
125°	3770.5	3845.7	4146.9	4448.0	4146.9	3845.7	3770.5	3257.4	2573.3	2231.2	2042.7
127.5°	3522.4	3585.9	3840.0	4094.0	3840.0	3585.9	3522.4	3081.8	2494.4	2200.8	2037.3
130°	3365.8	3424.4	3659.1	3893.8	3659.1	3424.4	3365.8	2973.6	2450.6	2189.2	2040.6
132.5°	3232.3	3284.9	3495.0	3705.2	3495.0	3284.9	3232.3	2881.2	2413.1	2179.0	2042.7
135°	3043.7	3089.0	3270.1	3451.3	3270.1	3089.0	3043.7	2749.7	2357.7	2161.6	2040.8
137.5°	2904.4	2941.4	3089.8	3238.1	3089.8	2941.4	2904.4	2655.8	2324.4	2158.8	2053.3
140°	2792.7	2827.3	2966.0	3104.6	2966.0	2827.3	2792.7	2577.9	2291.7	2148.6	2055.4
142.5°	2714.4	2744.2	2863.5	2982.7	2863.5	2744.2	2714.4	2525.8	2274.3	2148.6	2062.8
145°	2596.8	2619.4	2709.6	2799.9	2709.6	2619.4	2596.8	2442.6	2236.9	2134.1	2062.8
147.5°	2498.2	2516.8	2591.7	2666.5	2591.7	2516.8	2498.2	2376.8	2215.0	2134.1	2077.0
150°	2441.6	2456.7	2517.4	2578.0	2517.4	2456.7	2441.6	2339.1	2202.5	2134.1	2084.4
152.5°	2396.6	2408.1	2453.9	2499.7	2453.9	2408.1	2396.6	2309.1	2192.5	2134.1	2089.3
155°	2342.9	2350.5	2380.9	2411.1	2380.9	2350.5	2342.9	2273.4	2180.5	2134.1	2099.9
157.5°	2296.5	2301.8	2323.1	2344.4	2323.1	2301.8	2296.5	2242.3	2170.1	2134.1	2110.6
160°	2273.4	2276.4	2288.7	2300.9	2288.7	2276.4	2273.4	2226.9	2165.0	2134.1	2115.4
162.5°	2251.6	2254.5	2266.1	2277.7	2266.1	2254.5	2251.6	2212.5	2160.2	2134.1	2120.6
165°	2218.2	2221.2	2233.5	2245.8	2233.5	2221.2	2218.2	2190.1	2152.8	2134.1	2127.9
167.5°	2203.7	2205.0	2210.1	2215.3	2210.1	2205.0	2203.7	2185.3	2160.8	2148.6	2143.4
170°	2203.7	2203.7	2203.7	2203.7	2203.7	2203.7	2203.7	2185.3	2160.8	2148.6	2148.2
172.5°	2192.1	2191.0	2186.4	2181.9	2186.4	2191.0	2192.1	2177.6	2158.3	2148.6	2148.6
175°	2176.1	2176.1	2176.1	2176.1	2176.1	2176.1	2176.1	2167.0	2154.7	2148.6	2151.5
177.5°	2173.2	2171.9	2166.8	2161.6	2166.8	2171.9	2173.2	2165.9	2156.3	2151.5	2153.7
180°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2961.8	2961.8	2961.8	2961.8	2961.8
2.5°	2925.4	2939.4	2947.8	2959.0	2987.0
5°	2813.3	2866.5	2883.4	2925.4	2975.8
7.5°	2566.7	2729.2	2774.1	2874.9	2953.4
10°	2328.5	2491.1	2569.5	2807.7	2925.4
12.5°	2208.0	2303.2	2356.5	2690.0	2886.2
15°	2132.3	2199.6	2238.8	2533.1	2841.3
17.5°	2073.5	2121.1	2149.1	2378.9	2779.7
20°	2037.1	2059.5	2084.7	2266.8	2709.6
22.5°	2011.8	1997.8	2017.4	2188.4	2614.4
25°	1995.0	1941.8	1964.2	2126.7	2502.3
27.5°	2009.0	1891.4	1899.8	2070.7	2384.5
30°	2011.8	1829.7	1832.5	2011.8	2252.8
32.5°	1992.2	1765.3	1768.1	1939.0	2104.3
35°	1944.6	1689.6	1686.8	1854.9	1902.6
37.5°	1880.1	1608.3	1608.3	1762.5	1681.2
40°	1801.7	1527.1	1535.5	1642.0	1485.1
42.5°	1706.4	1440.2	1451.4	1482.3	1339.4
45°	1602.7	1356.2	1364.6	1252.5	1227.3
47.5°	1487.9	1269.3	1272.1	1039.5	1190.9
50°	1350.6	1179.6	1168.4	891.0	1188.0
52.5°	1230.1	1081.6	1047.9	807.0	1078.8
55°	1112.4	977.9	905.0	742.5	1000.3
57.5°	1008.7	843.4	773.4	666.9	983.5
60°	913.5	711.7	658.5	585.6	902.2
62.5°	835.0	613.6	602.4	529.6	818.2
65°	750.9	546.4	543.6	481.9	694.9
67.5°	669.7	501.6	498.8	437.1	529.6
70°	582.8	453.9	448.3	389.5	392.3
72.5°	493.2	400.7	395.1	350.2	325.0
75°	403.5	339.0	336.2	305.4	263.4
77.5°	316.6	269.0	274.6	246.6	193.3
80°	227.0	196.1	201.7	176.5	145.7
82.5°	151.3	128.9	134.5	112.1	98.1
85°	84.1	72.9	75.7	58.8	44.8
87.5°	39.2	33.6	33.6	22.4	14.0
90°	63.8	40.6	37.7	26.1	14.5
92.5°	393.7	280.0	255.4	156.6	58.0
95°	968.6	545.5	500.3	319.8	139.3
97.5°	1304.7	599.2	559.4	400.0	240.8
100°	1427.1	644.2	608.0	463.6	319.1
102.5°	1483.2	689.1	655.4	520.7	385.9
105°	1524.8	755.9	727.3	613.2	499.0
107.5°	1532.5	854.5	827.9	721.5	615.1
110°	1520.8	909.6	885.6	789.5	693.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1521.3	976.3	953.4	861.9	770.4
115°	1535.4	1076.4	1055.3	970.8	886.4
117.5°	1563.9	1173.7	1154.5	1077.7	1001.1
120°	1587.1	1230.3	1212.2	1139.9	1067.7
122.5°	1620.5	1297.0	1278.7	1205.9	1133.0
125°	1665.5	1382.6	1366.0	1299.6	1233.2
127.5°	1710.4	1465.3	1448.5	1381.5	1314.4
130°	1743.3	1520.4	1502.3	1430.1	1357.9
132.5°	1769.9	1565.4	1547.4	1475.1	1402.9
135°	1799.0	1617.6	1601.2	1535.4	1469.6
137.5°	1842.4	1684.3	1668.0	1602.9	1537.8
140°	1869.0	1729.3	1714.3	1654.3	1594.3
142.5°	1891.3	1762.6	1748.8	1693.3	1637.9
145°	1920.3	1813.5	1801.4	1753.0	1704.6
147.5°	1962.9	1877.2	1865.5	1818.4	1771.3
150°	1985.1	1910.7	1900.0	1857.4	1814.9
152.5°	1999.7	1932.4	1924.4	1892.1	1859.9
155°	2031.5	1980.3	1974.3	1950.5	1926.6
157.5°	2063.5	2028.2	2022.4	1999.1	1976.0
160°	2078.0	2049.9	2045.5	2027.3	2009.3
162.5°	2093.5	2073.1	2069.7	2056.2	2042.7
165°	2115.7	2106.5	2103.4	2091.1	2078.9
167.5°	2133.1	2125.3	2123.9	2118.1	2112.3
170°	2147.5	2147.1	2145.7	2139.9	2134.1
172.5°	2148.6	2148.6	2148.3	2147.0	2145.7
175°	2157.3	2161.6	2161.6	2161.6	2161.6
177.5°	2158.3	2161.6	2161.6	2161.6	2161.6
180°	2161.6	2161.6	2161.6	2161.6	2161.6



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	10.99	11.73	12.06	12.80	14.27	13.84	14.58	14.91	15.65	17.12
	3H	11.45	12.12	12.54	13.20	14.69	15.18	15.85	16.26	16.93	18.41
	4H	11.64	12.27	12.73	13.36	14.84	15.62	16.25	16.72	17.34	18.83
	6H	11.75	12.33	12.85	13.42	14.92	15.91	16.49	17.01	17.58	19.08
	8H	11.75	12.30	12.86	13.41	14.90	15.98	16.53	17.09	17.64	19.13
	12H	11.72	12.24	12.83	13.34	14.86	16.02	16.54	17.13	17.64	19.16
4H	2H	12.01	12.64	13.11	13.72	15.21	14.23	14.86	15.33	15.95	17.44
	3H	13.02	13.55	14.13	14.66	16.16	15.73	16.26	16.84	17.37	18.87
	4H	13.30	13.78	14.41	14.88	16.40	16.26	16.74	17.37	17.84	19.37
	6H	13.41	13.83	14.53	14.95	16.47	16.62	17.04	17.74	18.16	19.68
	8H	13.42	13.80	14.54	14.92	16.45	16.73	17.12	17.85	18.23	19.76
	12H	13.38	13.73	14.51	14.86	16.39	16.78	17.14	17.92	18.26	19.80
8H	4H	13.74	14.13	14.86	15.25	16.78	16.37	16.76	17.49	17.88	19.41
	6H	14.00	14.32	15.14	15.48	17.01	16.81	17.13	17.95	18.29	19.82
	8H	14.04	14.32	15.19	15.46	17.01	16.96	17.24	18.11	18.38	19.93
	12H	14.02	14.27	15.17	15.40	16.98	17.06	17.31	18.21	18.44	20.03
12H	4H	13.74	14.09	14.88	15.22	16.76	16.33	16.68	17.47	17.81	19.35
	6H	14.06	14.34	15.21	15.48	17.03	16.81	17.09	17.95	18.22	19.77
	8H	14.12	14.37	15.27	15.50	17.09	16.97	17.21	18.12	18.35	19.93