

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: P936204

Luminaire Tested: SQ4-FA-150U-125D-B40-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936204
REPORT IS A COMBINATION OF REPORTS P933784 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-125D-B40-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

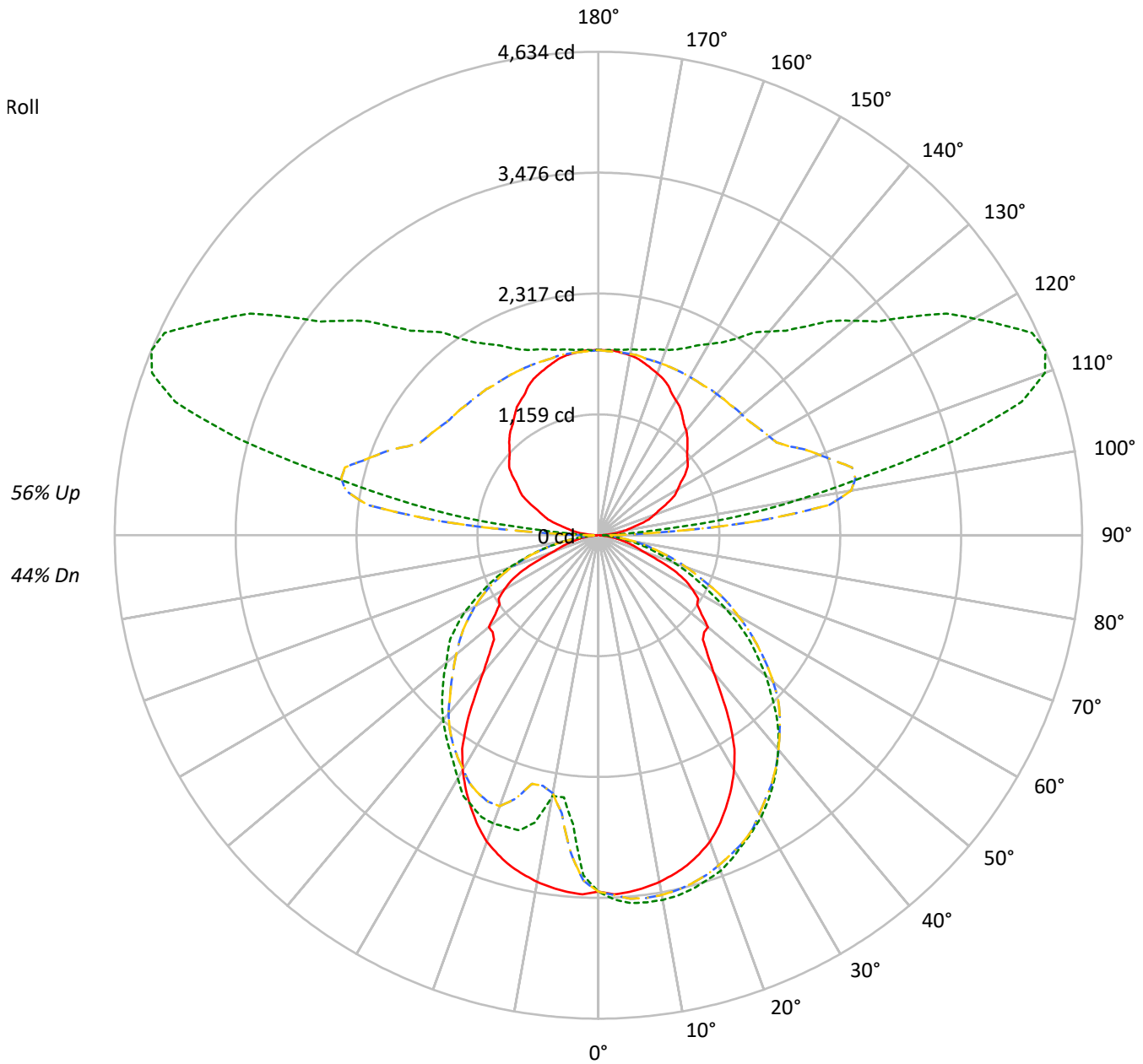
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20371.1 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: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 166.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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°	15850	15850	15850	15850
5°	15968	16000	15968	12581
10°	15862	15760	15862	11268
15°	15689	15419	15689	12875
20°	15361	15014	15361	12902
25°	14690	14425	14690	12629
30°	13822	13934	13822	12028
35°	12322	13315	12322	11369
40°	10267	12586	10267	10870
45°	9174	11732	9174	10297
50°	9746	10714	9746	9722
55°	9169	9617	9169	9389
60°	9452	8168	9452	8599
65°	8569	6752	8569	7548
70°	5935	5380	5935	6326
75°	5203	3977	5203	4763
80°	4194	2630	4194	2864
85°	2408	1393	2408	1184

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14060 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.4	1.5
10°-20°	875.6	4.3
20°-30°	1353.5	6.6
30°-40°	1615.7	7.9
40°-50°	1625.2	8.0
50°-60°	1414.1	6.9
60°-70°	1002.6	4.9
70°-80°	530.5	2.6
80°-90°	138.9	0.7
90°-100°	865.2	4.2
100°-110°	2274.7	11.2
110°-120°	2358.7	11.6
120°-130°	1891.9	9.3
130°-140°	1484.5	7.3
140°-150°	1139.4	5.6
150°-160°	820.6	4.0
160°-170°	502.1	2.5
170°-180°	169.6	0.8
0°-30°	2537.4	12.5
0°-40°	4153.1	20.4
0°-60°	7192.4	35.3
0°-90°	8864.4	43.5
90°-120°	5498.6	27.0
90°-150°	10014.5	49.2
90°-180°	11507.0	56.5
0°-180°	20371.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3416	3416	3416	3416	3416	
5°	3432	3539	3432	2783	3432	326
15°	3277	3507	3277	2928	3277	922
25°	2886	3271	2886	2864	2886	1325
35°	2194	2918	2194	2492	2194	1358
45°	1416	2405	1416	2110	1416	1134
55°	1154	1774	1154	1732	1154	1060
65°	802	1070	802	1196	802	766
75°	304	507	304	608	304	319
85°	52	129	52	110	52	70
90°	12	45	12	45	12	12
95°	114	523	114	523	114	127
105°	410	3562	410	3562	410	434
115°	728	4586	728	4586	728	719
125°	1013	3652	1013	3652	1013	899
135°	1207	2834	1207	2834	1207	934
145°	1400	2299	1400	2299	1400	877
155°	1582	1980	1582	1980	1582	727
165°	1707	1844	1707	1844	1707	482
175°	1775	1787	1775	1787	1775	168
180°	1775	1775	1775	1775	1775	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2
2.5°	3445.3	3445.3	3464.6	3471.1	3471.1	3461.5	3451.8	3461.5	3490.5	3500.3	3497.0
5°	3432.4	3458.2	3493.8	3500.3	3506.7	3503.5	3497.0	3503.5	3535.8	3542.3	3545.5
7.5°	3406.5	3455.0	3500.3	3509.9	3519.7	3509.9	3506.7	3513.2	3545.5	3551.9	3551.9
10°	3374.2	3442.1	3493.8	3500.3	3509.9	3500.3	3500.3	3513.2	3545.5	3551.9	3555.2
12.5°	3328.9	3422.6	3471.1	3477.6	3490.5	3487.3	3484.1	3497.0	3529.3	3535.8	3535.8
15°	3277.3	3387.1	3432.4	3438.9	3461.5	3455.0	3455.0	3467.9	3503.5	3513.2	3509.9
17.5°	3206.1	3341.8	3393.6	3403.2	3419.5	3416.2	3419.5	3432.4	3464.6	3471.1	3474.4
20°	3125.3	3280.4	3341.8	3351.6	3367.7	3367.7	3367.7	3383.9	3416.2	3429.1	3429.1
22.5°	3015.4	3215.9	3280.4	3286.9	3306.3	3306.3	3312.8	3335.4	3364.5	3367.7	3367.7
25°	2886.2	3144.7	3199.6	3219.0	3238.4	3248.1	3257.9	3270.8	3280.4	3277.3	3280.4
27.5°	2750.4	3054.2	3125.3	3138.2	3164.1	3173.8	3186.7	3190.0	3193.2	3202.9	3196.4
30°	2598.6	2928.2	3034.8	3047.8	3089.8	3096.2	3083.3	3089.8	3105.9	3112.4	3118.8
32.5°	2427.2	2740.8	2941.1	2970.2	3009.0	2989.6	2986.4	2996.0	3021.9	3021.9	3028.4
35°	2194.5	2595.3	2853.8	2879.7	2908.7	2886.2	2899.1	2902.3	2918.5	2928.2	2925.0
37.5°	1939.2	2469.2	2763.4	2782.8	2805.4	2776.3	2795.7	2805.4	2818.3	2811.8	2811.8
40°	1713.0	2272.0	2656.7	2669.6	2689.0	2666.4	2685.7	2692.2	2698.7	2692.2	2689.0
42.5°	1544.9	2055.5	2543.5	2559.7	2546.8	2562.9	2569.4	2582.3	2572.7	2559.7	2559.7
45°	1415.6	1997.4	2420.7	2440.1	2420.7	2446.6	2456.4	2456.4	2427.2	2420.7	2417.5
47.5°	1373.6	1881.0	2297.9	2297.9	2288.3	2320.6	2336.7	2314.1	2285.0	2275.3	2275.3
50°	1370.3	1751.8	2129.8	2116.9	2162.2	2201.0	2184.8	2162.2	2139.6	2104.1	2104.1
52.5°	1244.3	1593.3	1913.3	1961.9	2032.9	2055.5	2029.7	2007.0	1968.3	1952.1	1939.2
55°	1153.8	1428.6	1716.2	1813.2	1887.5	1916.6	1868.1	1845.4	1787.3	1777.6	1771.1
57.5°	1134.4	1189.4	1535.2	1658.0	1748.5	1745.3	1716.2	1674.2	1625.7	1616.0	1612.8
60°	1040.7	859.7	1341.3	1486.7	1580.4	1570.8	1544.9	1506.1	1460.9	1454.4	1448.0
62.5°	943.7	623.8	1121.5	1286.3	1418.8	1415.6	1393.0	1334.8	1302.5	1286.3	1273.4
65°	801.5	523.6	798.3	1069.8	1260.5	1266.9	1218.5	1176.5	1140.8	1121.5	1118.3
67.5°	610.8	426.6	539.8	892.1	1108.6	1102.1	1040.7	1021.3	976.1	966.4	947.0
70°	452.5	284.4	374.9	724.0	959.9	943.7	895.2	872.7	830.7	808.0	795.0
72.5°	374.9	229.5	274.8	562.4	808.0	788.6	746.6	720.7	685.2	665.8	652.8
75°	303.8	242.4	210.1	417.0	656.1	643.2	604.4	578.5	549.4	523.6	526.8
77.5°	223.0	226.2	168.1	307.0	520.4	501.0	478.4	446.0	433.1	407.2	407.2
80°	168.1	177.7	126.1	210.1	374.9	374.9	355.5	332.9	310.3	297.4	297.4
82.5°	113.1	113.1	93.7	132.6	255.4	245.6	232.7	226.2	213.3	206.9	206.9
85°	51.7	64.7	58.2	80.8	139.0	145.4	145.4	139.0	135.7	129.3	132.6
87.5°	16.1	29.1	35.5	45.3	71.1	74.3	77.5	77.5	77.5	80.8	80.8
90°	11.9	21.5	30.9	33.3	52.4	77.8	90.5	80.5	60.4	45.3	45.3
92.5°	47.7	128.6	209.7	230.0	323.3	447.7	509.9	446.8	320.9	226.3	217.4
95°	114.4	262.6	410.8	447.9	795.3	1258.6	1490.3	1329.8	1009.1	768.4	741.1
97.5°	197.8	328.5	459.4	492.0	1071.4	1843.9	2230.1	2128.7	1925.9	1773.8	1722.0
100°	262.1	380.7	499.3	529.0	1171.9	2029.0	2457.6	2465.0	2479.8	2490.9	2429.1
102.5°	316.9	427.6	538.1	565.8	1217.9	2087.2	2522.0	2651.2	2909.5	3103.3	3050.4
105°	409.8	503.5	597.3	620.7	1252.0	2093.8	2514.8	2804.5	3383.7	3818.1	3789.6
107.5°	505.1	592.5	679.8	701.6	1258.4	2000.7	2371.8	2775.8	3583.8	4189.8	4196.7
110°	569.5	648.3	727.2	746.9	1248.9	1918.1	2252.7	2704.4	3607.6	4285.1	4314.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	632.6	707.8	782.9	801.7	1249.2	1845.9	2144.3	2606.5	3530.9	4224.3	4269.8
115°	727.9	797.2	866.6	883.9	1260.8	1763.2	2014.5	2459.7	3350.2	4018.2	4081.3
117.5°	822.0	885.0	948.0	963.8	1284.2	1711.5	1925.1	2327.0	3130.7	3733.5	3803.5
120°	876.8	936.1	995.4	1010.2	1303.3	1694.0	1889.4	2256.6	2991.0	3541.7	3609.7
122.5°	930.4	990.2	1050.0	1065.0	1330.7	1684.9	1862.0	2192.6	2853.9	3349.9	3417.0
125°	1012.6	1067.1	1121.6	1135.3	1367.6	1677.3	1832.2	2113.0	2674.8	3096.1	3157.9
127.5°	1079.3	1134.3	1189.5	1203.2	1404.5	1673.0	1807.1	2048.3	2530.7	2892.4	2944.6
130°	1115.1	1174.4	1233.7	1248.5	1431.5	1675.5	1797.6	2012.3	2441.7	2763.8	2812.0
132.5°	1152.0	1211.3	1270.6	1285.4	1453.4	1677.4	1789.3	1981.4	2365.8	2654.1	2697.3
135°	1206.7	1260.8	1314.8	1328.3	1477.2	1675.7	1775.0	1936.0	2257.9	2499.3	2536.5
137.5°	1262.8	1316.3	1369.7	1383.0	1512.9	1686.1	1772.7	1908.8	2180.8	2384.9	2415.4
140°	1309.2	1358.5	1407.7	1420.0	1534.8	1687.8	1764.3	1881.8	2116.9	2293.2	2321.7
142.5°	1344.9	1390.5	1436.0	1447.4	1553.0	1693.9	1764.3	1867.5	2074.0	2228.9	2253.3
145°	1399.7	1439.5	1479.2	1489.1	1576.9	1693.9	1752.3	1836.8	2005.7	2132.4	2150.9
147.5°	1454.6	1493.2	1531.9	1541.6	1611.8	1705.5	1752.3	1818.8	1951.6	2051.3	2066.7
150°	1490.3	1525.2	1560.2	1568.9	1630.0	1711.6	1752.3	1808.5	1920.7	2004.9	2017.3
152.5°	1527.2	1553.7	1580.2	1586.8	1642.0	1715.6	1752.3	1800.3	1896.1	1968.0	1977.3
155°	1582.1	1601.6	1621.2	1626.1	1668.2	1724.3	1752.3	1790.4	1866.7	1923.9	1930.2
157.5°	1622.5	1641.6	1660.6	1665.4	1694.4	1733.0	1752.3	1782.0	1841.3	1885.8	1890.2
160°	1650.0	1664.8	1679.6	1683.3	1706.3	1737.0	1752.3	1777.7	1828.6	1866.7	1869.2
162.5°	1677.4	1688.4	1699.6	1702.4	1719.0	1741.3	1752.3	1773.8	1816.7	1848.9	1851.3
165°	1707.1	1717.1	1727.2	1729.7	1737.2	1747.3	1752.3	1767.7	1798.5	1821.5	1824.0
167.5°	1734.5	1739.2	1744.0	1745.3	1751.6	1760.1	1764.3	1774.3	1794.4	1809.5	1810.6
170°	1752.3	1757.1	1761.9	1763.1	1763.5	1764.0	1764.3	1774.3	1794.4	1809.5	1809.5
172.5°	1761.9	1762.9	1764.0	1764.3	1764.3	1764.3	1764.3	1772.2	1788.0	1800.0	1799.0
175°	1775.0	1775.0	1775.0	1775.0	1771.4	1766.7	1764.3	1769.3	1779.4	1786.9	1786.9
177.5°	1775.0	1775.0	1775.0	1775.0	1772.2	1768.5	1766.7	1770.7	1778.6	1784.5	1783.5
180°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2
2.5°	3503.5	3493.8	3503.5	3497.0	3500.3	3490.5	3461.5	3451.8	3461.5	3471.1	3471.1
5°	3545.5	3539.0	3545.5	3545.5	3542.3	3535.8	3503.5	3497.0	3503.5	3506.7	3500.3
7.5°	3558.4	3548.7	3558.4	3551.9	3551.9	3545.5	3513.2	3506.7	3509.9	3519.7	3509.9
10°	3558.4	3548.7	3558.4	3555.2	3551.9	3545.5	3513.2	3500.3	3500.3	3509.9	3500.3
12.5°	3542.3	3535.8	3542.3	3535.8	3535.8	3529.3	3497.0	3484.1	3487.3	3490.5	3477.6
15°	3516.4	3506.7	3516.4	3509.9	3513.2	3503.5	3467.9	3455.0	3455.0	3461.5	3438.9
17.5°	3477.6	3464.6	3477.6	3474.4	3471.1	3464.6	3432.4	3419.5	3416.2	3419.5	3403.2
20°	3432.4	3422.6	3432.4	3429.1	3429.1	3416.2	3383.9	3367.7	3367.7	3367.7	3351.6
22.5°	3361.2	3351.6	3361.2	3367.7	3367.7	3364.5	3335.4	3312.8	3306.3	3306.3	3286.9
25°	3280.4	3270.8	3280.4	3280.4	3277.3	3280.4	3270.8	3257.9	3248.1	3238.4	3219.0
27.5°	3202.9	3196.4	3202.9	3196.4	3202.9	3193.2	3190.0	3186.7	3173.8	3164.1	3138.2
30°	3125.3	3118.8	3125.3	3118.8	3112.4	3105.9	3089.8	3083.3	3096.2	3089.8	3047.8
32.5°	3028.4	3021.9	3028.4	3028.4	3021.9	3021.9	2996.0	2986.4	2989.6	3009.0	2970.2
35°	2928.2	2918.5	2928.2	2925.0	2928.2	2918.5	2902.3	2899.1	2886.2	2908.7	2879.7
37.5°	2811.8	2802.2	2811.8	2811.8	2811.8	2818.3	2805.4	2795.7	2776.3	2805.4	2782.8
40°	2692.2	2679.3	2692.2	2689.0	2692.2	2698.7	2692.2	2685.7	2666.4	2689.0	2669.6
42.5°	2556.5	2553.3	2556.5	2559.7	2559.7	2572.7	2582.3	2569.4	2562.9	2546.8	2559.7
45°	2411.1	2404.6	2411.1	2417.5	2420.7	2427.2	2456.4	2456.4	2446.6	2420.7	2440.1
47.5°	2255.9	2239.8	2255.9	2275.3	2275.3	2285.0	2314.1	2336.7	2320.6	2288.3	2297.9
50°	2091.1	2094.3	2091.1	2104.1	2104.1	2139.6	2162.2	2184.8	2201.0	2162.2	2116.9
52.5°	1929.5	1926.2	1929.5	1939.2	1952.1	1968.3	2007.0	2029.7	2055.5	2032.9	1961.9
55°	1767.9	1774.4	1767.9	1771.1	1777.6	1787.3	1845.4	1868.1	1916.6	1887.5	1813.2
57.5°	1606.3	1596.6	1606.3	1612.8	1616.0	1625.7	1674.2	1716.2	1745.3	1748.5	1658.0
60°	1418.8	1406.0	1418.8	1448.0	1454.4	1460.9	1506.1	1544.9	1570.8	1580.4	1486.7
62.5°	1254.0	1231.4	1254.0	1273.4	1286.3	1302.5	1334.8	1393.0	1415.6	1418.8	1286.3
65°	1079.4	1069.8	1079.4	1118.3	1121.5	1140.8	1176.5	1218.5	1266.9	1260.5	1069.8
67.5°	921.1	921.1	921.1	947.0	966.4	976.1	1021.3	1040.7	1102.1	1108.6	892.1
70°	775.7	772.4	775.7	795.0	808.0	830.7	872.7	895.2	943.7	959.9	724.0
72.5°	636.7	633.5	636.7	652.8	665.8	685.2	720.7	746.6	788.6	808.0	562.4
75°	513.9	507.4	513.9	526.8	523.6	549.4	578.5	604.4	643.2	656.1	417.0
77.5°	394.3	394.3	394.3	407.2	407.2	433.1	446.0	478.4	501.0	520.4	307.0
80°	294.1	290.9	294.1	297.4	297.4	310.3	332.9	355.5	374.9	374.9	210.1
82.5°	206.9	200.4	206.9	206.9	206.9	213.3	226.2	232.7	245.6	255.4	132.6
85°	129.3	129.3	129.3	132.6	129.3	135.7	139.0	145.4	145.4	139.0	80.8
87.5°	84.0	80.8	84.0	80.8	80.8	77.5	77.5	77.5	74.3	71.1	45.3
90°	45.3	45.3	45.3	45.3	45.3	60.4	80.5	90.5	77.8	52.4	33.3
92.5°	181.4	145.4	181.4	217.4	226.3	320.9	446.8	509.9	447.7	323.3	230.0
95°	632.0	523.0	632.0	741.1	768.4	1009.1	1329.8	1490.3	1258.6	795.3	447.9
97.5°	1514.3	1306.8	1514.3	1722.0	1773.8	1925.9	2128.7	2230.1	1843.9	1071.4	492.0
100°	2181.9	1934.6	2181.9	2429.1	2490.9	2479.8	2465.0	2457.6	2029.0	1171.9	529.0
102.5°	2838.5	2626.8	2838.5	3050.4	3103.3	2909.5	2651.2	2522.0	2087.2	1217.9	565.8
105°	3675.8	3562.0	3675.8	3789.6	3818.1	3383.7	2804.5	2514.8	2093.8	1252.0	620.7
107.5°	4224.2	4251.7	4224.2	4196.7	4189.8	3583.8	2775.8	2371.8	2000.7	1258.4	701.6
110°	4433.3	4551.9	4433.3	4314.7	4285.1	3607.6	2704.4	2252.7	1918.1	1248.9	746.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4451.9	4634.0	4451.9	4269.8	4224.3	3530.9	2606.5	2144.3	1845.9	1249.2	801.7
115°	4333.9	4586.4	4333.9	4081.3	4018.2	3350.2	2459.7	2014.5	1763.2	1260.8	883.9
117.5°	4083.6	4363.7	4083.6	3803.5	3733.5	3130.7	2327.0	1925.1	1711.5	1284.2	963.8
120°	3881.9	4154.0	3881.9	3609.7	3541.7	2991.0	2256.6	1889.4	1694.0	1303.3	1010.2
122.5°	3685.4	3953.9	3685.4	3417.0	3349.9	2853.9	2192.6	1862.0	1684.9	1330.7	1065.0
125°	3405.2	3652.5	3405.2	3157.9	3096.1	2674.8	2113.0	1832.2	1677.3	1367.6	1135.3
127.5°	3153.2	3361.8	3153.2	2944.6	2892.4	2530.7	2048.3	1807.1	1673.0	1404.5	1203.2
130°	3004.7	3197.4	3004.7	2812.0	2763.8	2441.7	2012.3	1797.6	1675.5	1431.5	1248.5
132.5°	2869.9	3042.5	2869.9	2697.3	2654.1	2365.8	1981.4	1789.3	1677.4	1453.4	1285.4
135°	2685.3	2834.1	2685.3	2536.5	2499.3	2257.9	1936.0	1775.0	1675.7	1477.2	1328.3
137.5°	2537.1	2658.9	2537.1	2415.4	2384.9	2180.8	1908.8	1772.7	1686.1	1512.9	1383.0
140°	2435.5	2549.4	2435.5	2321.7	2293.2	2116.9	1881.8	1764.3	1687.8	1534.8	1420.0
142.5°	2351.3	2449.3	2351.3	2253.3	2228.9	2074.0	1867.5	1764.3	1693.9	1553.0	1447.4
145°	2225.1	2299.2	2225.1	2150.9	2132.4	2005.7	1836.8	1752.3	1693.9	1576.9	1489.1
147.5°	2128.1	2189.5	2128.1	2066.7	2051.3	1951.6	1818.8	1752.3	1705.5	1611.8	1541.6
150°	2067.2	2116.9	2067.2	2017.3	2004.9	1920.7	1808.5	1752.3	1711.6	1630.0	1568.9
152.5°	2015.0	2052.6	2015.0	1977.3	1968.0	1896.1	1800.3	1752.3	1715.6	1642.0	1586.8
155°	1955.1	1979.9	1955.1	1930.2	1923.9	1866.7	1790.4	1752.3	1724.3	1668.2	1626.1
157.5°	1907.6	1925.1	1907.6	1890.2	1885.8	1841.3	1782.0	1752.3	1733.0	1694.4	1665.4
160°	1879.3	1889.4	1879.3	1869.2	1866.7	1828.6	1777.7	1752.3	1737.0	1706.3	1683.3
162.5°	1860.7	1870.3	1860.7	1851.3	1848.9	1816.7	1773.8	1752.3	1741.3	1719.0	1702.4
165°	1834.1	1844.1	1834.1	1824.0	1821.5	1798.5	1767.7	1752.3	1747.3	1737.2	1729.7
167.5°	1814.9	1819.1	1814.9	1810.6	1809.5	1794.4	1774.3	1764.3	1760.1	1751.6	1745.3
170°	1809.5	1809.5	1809.5	1809.5	1809.5	1794.4	1774.3	1764.3	1764.0	1763.5	1763.1
172.5°	1795.4	1791.7	1795.4	1799.0	1800.0	1788.0	1772.2	1764.3	1764.3	1764.3	1764.3
175°	1786.9	1786.9	1786.9	1786.9	1786.9	1779.4	1769.3	1764.3	1766.7	1771.4	1775.0
177.5°	1779.2	1775.0	1779.2	1783.5	1784.5	1778.6	1770.7	1766.7	1768.5	1772.2	1775.0
180°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2
2.5°	3464.6	3445.3	3445.3	3413.0	3400.1	3390.3	3374.2	3325.7	3312.8	3299.8	3319.3
5°	3493.8	3458.2	3432.4	3374.2	3325.7	3306.3	3244.9	3128.6	3051.0	2992.8	2960.5
7.5°	3500.3	3455.0	3406.5	3316.0	3199.6	3148.0	2960.5	2747.2	2689.0	2637.3	2605.0
10°	3493.8	3442.1	3374.2	3238.4	2963.7	2873.2	2685.7	2546.8	2511.3	2501.5	2511.3
12.5°	3471.1	3422.6	3328.9	3102.7	2718.1	2656.7	2546.8	2466.0	2459.5	2475.7	2562.9
15°	3432.4	3387.1	3277.3	2921.7	2582.3	2537.1	2459.5	2430.5	2466.0	2579.2	2840.9
17.5°	3393.6	3341.8	3206.1	2744.0	2478.9	2446.6	2391.7	2449.9	2650.2	2802.2	2889.4
20°	3341.8	3280.4	3125.3	2614.7	2404.6	2375.5	2349.7	2611.4	2763.4	2818.3	2866.8
22.5°	3280.4	3215.9	3015.4	2524.2	2327.0	2304.4	2320.6	2702.0	2763.4	2802.2	2844.2
25°	3199.6	3144.7	2886.2	2453.1	2265.6	2239.8	2301.2	2692.2	2727.8	2737.5	2821.5
27.5°	3125.3	3054.2	2750.4	2388.5	2191.2	2181.6	2317.3	2650.2	2676.1	2685.7	2776.3
30°	3034.8	2928.2	2598.6	2320.6	2113.7	2110.5	2320.6	2598.6	2592.1	2617.9	2708.4
32.5°	2941.1	2740.8	2427.2	2236.5	2039.4	2036.2	2297.9	2520.9	2514.5	2550.0	2617.9
35°	2853.8	2595.3	2194.5	2139.6	1945.6	1948.9	2243.0	2430.5	2433.7	2466.0	2508.0
37.5°	2763.4	2469.2	1939.2	2032.9	1855.2	1855.2	2168.6	2346.4	2339.9	2349.7	2407.8
40°	2656.7	2272.0	1713.0	1894.0	1771.1	1761.4	2078.2	2255.9	2233.3	2230.1	2310.9
42.5°	2543.5	2055.5	1544.9	1709.7	1674.2	1661.2	1968.3	2146.1	2104.1	2113.7	2217.1
45°	2420.7	1997.4	1415.6	1444.7	1573.9	1564.3	1848.7	2020.0	1990.9	2016.8	2123.4
47.5°	2297.9	1881.0	1373.6	1199.1	1467.4	1464.1	1716.2	1897.2	1881.0	1906.8	2020.0
50°	2129.8	1751.8	1370.3	1027.8	1347.7	1360.7	1557.8	1777.6	1777.6	1800.2	1919.8
52.5°	1913.3	1593.3	1244.3	930.8	1208.7	1247.5	1418.8	1674.2	1680.6	1703.2	1809.9
55°	1716.2	1428.6	1153.8	856.4	1043.9	1128.0	1283.1	1567.5	1580.4	1603.1	1700.0
57.5°	1535.2	1189.4	1134.4	769.3	892.1	972.9	1163.5	1464.1	1470.5	1490.0	1583.7
60°	1341.3	859.7	1040.7	675.5	759.5	820.9	1053.7	1341.3	1363.9	1376.8	1457.6
62.5°	1121.5	623.8	943.7	610.8	694.9	707.8	963.1	1224.9	1254.0	1263.8	1312.2
65°	798.3	523.6	801.5	555.9	627.0	630.2	866.2	1105.3	1131.2	1147.3	1182.9
67.5°	539.8	426.6	610.8	504.1	575.3	578.5	772.4	966.4	1001.9	1014.9	1037.5
70°	374.9	284.4	452.5	449.2	517.1	523.6	672.2	840.3	872.7	882.3	895.2
72.5°	274.8	229.5	374.9	404.0	455.7	462.2	568.8	698.1	730.4	740.1	746.6
75°	210.1	242.4	303.8	352.3	387.8	391.1	465.4	568.8	591.4	597.9	601.2
77.5°	168.1	226.2	223.0	284.4	316.8	310.3	365.2	439.6	459.0	459.0	459.0
80°	126.1	177.7	168.1	203.6	232.7	226.2	261.8	313.5	319.9	326.4	323.2
82.5°	93.7	113.1	113.1	129.3	155.1	148.7	174.6	203.6	203.6	203.6	210.1
85°	58.2	64.7	51.7	67.9	87.3	84.0	96.9	109.9	113.1	113.1	106.7
87.5°	35.5	29.1	16.1	25.9	38.8	38.8	45.3	48.5	45.3	45.3	45.3
90°	30.9	21.5	11.9	21.5	30.9	33.3	52.4	77.8	90.5	80.5	60.4
92.5°	209.7	128.6	47.7	128.6	209.7	230.0	323.3	447.7	509.9	446.8	320.9
95°	410.8	262.6	114.4	262.6	410.8	447.9	795.3	1258.6	1490.3	1329.8	1009.1
97.5°	459.4	328.5	197.8	328.5	459.4	492.0	1071.4	1843.9	2230.1	2128.7	1925.9
100°	499.3	380.7	262.1	380.7	499.3	529.0	1171.9	2029.0	2457.6	2465.0	2479.8
102.5°	538.1	427.6	316.9	427.6	538.1	565.8	1217.9	2087.2	2522.0	2651.2	2909.5
105°	597.3	503.5	409.8	503.5	597.3	620.7	1252.0	2093.8	2514.8	2804.5	3383.7
107.5°	679.8	592.5	505.1	592.5	679.8	701.6	1258.4	2000.7	2371.8	2775.8	3583.8
110°	727.2	648.3	569.5	648.3	727.2	746.9	1248.9	1918.1	2252.7	2704.4	3607.6



TEST NUMBER: P936204

CATALOG NUMBER: SQ4-FA-150U-125D-B40-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	782.9	707.8	632.6	707.8	782.9	801.7	1249.2	1845.9	2144.3	2606.5	3530.9
115°	866.6	797.2	727.9	797.2	866.6	883.9	1260.8	1763.2	2014.5	2459.7	3350.2
117.5°	948.0	885.0	822.0	885.0	948.0	963.8	1284.2	1711.5	1925.1	2327.0	3130.7
120°	995.4	936.1	876.8	936.1	995.4	1010.2	1303.3	1694.0	1889.4	2256.6	2991.0
122.5°	1050.0	990.2	930.4	990.2	1050.0	1065.0	1330.7	1684.9	1862.0	2192.6	2853.9
125°	1121.6	1067.1	1012.6	1067.1	1121.6	1135.3	1367.6	1677.3	1832.2	2113.0	2674.8
127.5°	1189.5	1134.3	1079.3	1134.3	1189.5	1203.2	1404.5	1673.0	1807.1	2048.3	2530.7
130°	1233.7	1174.4	1115.1	1174.4	1233.7	1248.5	1431.5	1675.5	1797.6	2012.3	2441.7
132.5°	1270.6	1211.3	1152.0	1211.3	1270.6	1285.4	1453.4	1677.4	1789.3	1981.4	2365.8
135°	1314.8	1260.8	1206.7	1260.8	1314.8	1328.3	1477.2	1675.7	1775.0	1936.0	2257.9
137.5°	1369.7	1316.3	1262.8	1316.3	1369.7	1383.0	1512.9	1686.1	1772.7	1908.8	2180.8
140°	1407.7	1358.5	1309.2	1358.5	1407.7	1420.0	1534.8	1687.8	1764.3	1881.8	2116.9
142.5°	1436.0	1390.5	1344.9	1390.5	1436.0	1447.4	1553.0	1693.9	1764.3	1867.5	2074.0
145°	1479.2	1439.5	1399.7	1439.5	1479.2	1489.1	1576.9	1693.9	1752.3	1836.8	2005.7
147.5°	1531.9	1493.2	1454.6	1493.2	1531.9	1541.6	1611.8	1705.5	1752.3	1818.8	1951.6
150°	1560.2	1525.2	1490.3	1525.2	1560.2	1568.9	1630.0	1711.6	1752.3	1808.5	1920.7
152.5°	1580.2	1553.7	1527.2	1553.7	1580.2	1586.8	1642.0	1715.6	1752.3	1800.3	1896.1
155°	1621.2	1601.6	1582.1	1601.6	1621.2	1626.1	1668.2	1724.3	1752.3	1790.4	1866.7
157.5°	1660.6	1641.6	1622.5	1641.6	1660.6	1665.4	1694.4	1733.0	1752.3	1782.0	1841.3
160°	1679.6	1664.8	1650.0	1664.8	1679.6	1683.3	1706.3	1737.0	1752.3	1777.7	1828.6
162.5°	1699.6	1688.4	1677.4	1688.4	1699.6	1702.4	1719.0	1741.3	1752.3	1773.8	1816.7
165°	1727.2	1717.1	1707.1	1717.1	1727.2	1729.7	1737.2	1747.3	1752.3	1767.7	1798.5
167.5°	1744.0	1739.2	1734.5	1739.2	1744.0	1745.3	1751.6	1760.1	1764.3	1774.3	1794.4
170°	1761.9	1757.1	1752.3	1757.1	1761.9	1763.1	1763.5	1764.0	1764.3	1774.3	1794.4
172.5°	1764.0	1762.9	1761.9	1762.9	1764.0	1764.3	1764.3	1764.3	1764.3	1772.2	1788.0
175°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1771.4	1766.7	1764.3	1769.3	1779.4
177.5°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1772.2	1768.5	1766.7	1770.7	1778.6
180°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2
2.5°	3296.7	3286.9	3299.8	3264.3	3299.8	3286.9	3296.7	3319.3	3299.8	3312.8	3325.7
5°	2892.6	2876.5	2824.8	2782.8	2824.8	2876.5	2892.6	2960.5	2992.8	3051.0	3128.6
7.5°	2585.6	2572.7	2559.7	2533.9	2559.7	2572.7	2585.6	2605.0	2637.3	2689.0	2747.2
10°	2517.8	2520.9	2540.3	2537.1	2540.3	2520.9	2517.8	2511.3	2501.5	2511.3	2546.8
12.5°	2692.2	2721.4	2827.9	2821.5	2827.9	2721.4	2692.2	2562.9	2475.7	2459.5	2466.0
15°	2892.6	2902.3	2925.0	2928.2	2925.0	2902.3	2892.6	2840.9	2579.2	2466.0	2430.5
17.5°	2912.0	2915.2	2931.4	2931.4	2931.4	2915.2	2912.0	2889.4	2802.2	2650.2	2449.9
20°	2895.8	2902.3	2934.6	2941.1	2934.6	2902.3	2895.8	2866.8	2818.3	2763.4	2611.4
22.5°	2889.4	2902.3	2928.2	2925.0	2928.2	2902.3	2889.4	2844.2	2802.2	2763.4	2702.0
25°	2857.1	2857.1	2860.3	2863.6	2860.3	2857.1	2857.1	2821.5	2737.5	2727.8	2692.2
27.5°	2789.2	2795.7	2815.1	2811.8	2815.1	2795.7	2789.2	2776.3	2685.7	2676.1	2650.2
30°	2727.8	2721.4	2705.1	2692.2	2705.1	2721.4	2727.8	2708.4	2617.9	2592.1	2598.6
32.5°	2624.3	2608.2	2592.1	2582.3	2592.1	2608.2	2624.3	2617.9	2550.0	2514.5	2520.9
35°	2501.5	2504.8	2501.5	2491.9	2501.5	2504.8	2501.5	2508.0	2466.0	2433.7	2430.5
37.5°	2414.3	2420.7	2417.5	2404.6	2417.5	2420.7	2414.3	2407.8	2349.7	2339.9	2346.4
40°	2323.8	2327.0	2323.8	2314.1	2323.8	2327.0	2323.8	2310.9	2230.1	2233.3	2255.9
42.5°	2236.5	2233.3	2223.6	2217.1	2223.6	2233.3	2236.5	2217.1	2113.7	2104.1	2146.1
45°	2136.3	2139.6	2120.2	2110.5	2120.2	2139.6	2136.3	2123.4	2016.8	1990.9	2020.0
47.5°	2036.2	2036.2	2020.0	2010.3	2020.0	2036.2	2036.2	2020.0	1906.8	1881.0	1897.2
50°	1929.5	1926.2	1903.6	1900.4	1903.6	1926.2	1929.5	1919.8	1800.2	1777.6	1777.6
52.5°	1806.7	1806.7	1809.9	1816.4	1809.9	1806.7	1806.7	1809.9	1703.2	1680.6	1674.2
55°	1700.0	1703.2	1725.9	1732.4	1725.9	1703.2	1700.0	1700.0	1603.1	1580.4	1567.5
57.5°	1590.2	1590.2	1606.3	1606.3	1606.3	1590.2	1590.2	1583.7	1490.0	1470.5	1464.1
60°	1464.1	1470.5	1483.5	1480.2	1483.5	1470.5	1464.1	1457.6	1376.8	1363.9	1341.3
62.5°	1331.6	1338.1	1341.3	1334.8	1341.3	1338.1	1331.6	1312.2	1263.8	1254.0	1224.9
65°	1192.6	1199.1	1202.3	1195.9	1202.3	1199.1	1192.6	1182.9	1147.3	1131.2	1105.3
67.5°	1050.4	1047.2	1043.9	1056.9	1043.9	1047.2	1050.4	1037.5	1014.9	1001.9	966.4
70°	905.0	905.0	901.7	908.2	901.7	905.0	905.0	895.2	882.3	872.7	840.3
72.5°	749.9	746.6	759.5	749.9	759.5	746.6	749.9	746.6	740.1	730.4	698.1
75°	597.9	604.4	597.9	607.6	597.9	604.4	597.9	601.2	597.9	591.4	568.8
77.5°	455.7	462.2	455.7	455.7	455.7	462.2	455.7	459.0	459.0	459.0	439.6
80°	323.2	319.9	319.9	316.8	319.9	319.9	323.2	323.2	326.4	319.9	313.5
82.5°	206.9	203.6	203.6	210.1	203.6	203.6	206.9	210.1	203.6	203.6	203.6
85°	113.1	116.3	109.9	109.9	109.9	116.3	113.1	106.7	113.1	113.1	109.9
87.5°	42.0	38.8	38.8	38.8	38.8	38.8	42.0	45.3	45.3	45.3	48.5
90°	45.3	45.3	45.3	45.3	45.3	45.3	45.3	60.4	80.5	90.5	77.8
92.5°	226.3	217.4	181.4	145.4	181.4	217.4	226.3	320.9	446.8	509.9	447.7
95°	768.4	741.1	632.0	523.0	632.0	741.1	768.4	1009.1	1329.8	1490.3	1258.6
97.5°	1773.8	1722.0	1514.3	1306.8	1514.3	1722.0	1773.8	1925.9	2128.7	2230.1	1843.9
100°	2490.9	2429.1	2181.9	1934.6	2181.9	2429.1	2490.9	2479.8	2465.0	2457.6	2029.0
102.5°	3103.3	3050.4	2838.5	2626.8	2838.5	3050.4	3103.3	2909.5	2651.2	2522.0	2087.2
105°	3818.1	3789.6	3675.8	3562.0	3675.8	3789.6	3818.1	3383.7	2804.5	2514.8	2093.8
107.5°	4189.8	4196.7	4224.2	4251.7	4224.2	4196.7	4189.8	3583.8	2775.8	2371.8	2000.7
110°	4285.1	4314.7	4433.3	4551.9	4433.3	4314.7	4285.1	3607.6	2704.4	2252.7	1918.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4224.3	4269.8	4451.9	4634.0	4451.9	4269.8	4224.3	3530.9	2606.5	2144.3	1845.9
115°	4018.2	4081.3	4333.9	4586.4	4333.9	4081.3	4018.2	3350.2	2459.7	2014.5	1763.2
117.5°	3733.5	3803.5	4083.6	4363.7	4083.6	3803.5	3733.5	3130.7	2327.0	1925.1	1711.5
120°	3541.7	3609.7	3881.9	4154.0	3881.9	3609.7	3541.7	2991.0	2256.6	1889.4	1694.0
122.5°	3349.9	3417.0	3685.4	3953.9	3685.4	3417.0	3349.9	2853.9	2192.6	1862.0	1684.9
125°	3096.1	3157.9	3405.2	3652.5	3405.2	3157.9	3096.1	2674.8	2113.0	1832.2	1677.3
127.5°	2892.4	2944.6	3153.2	3361.8	3153.2	2944.6	2892.4	2530.7	2048.3	1807.1	1673.0
130°	2763.8	2812.0	3004.7	3197.4	3004.7	2812.0	2763.8	2441.7	2012.3	1797.6	1675.5
132.5°	2654.1	2697.3	2869.9	3042.5	2869.9	2697.3	2654.1	2365.8	1981.4	1789.3	1677.4
135°	2499.3	2536.5	2685.3	2834.1	2685.3	2536.5	2499.3	2257.9	1936.0	1775.0	1675.7
137.5°	2384.9	2415.4	2537.1	2658.9	2537.1	2415.4	2384.9	2180.8	1908.8	1772.7	1686.1
140°	2293.2	2321.7	2435.5	2549.4	2435.5	2321.7	2293.2	2116.9	1881.8	1764.3	1687.8
142.5°	2228.9	2253.3	2351.3	2449.3	2351.3	2253.3	2228.9	2074.0	1867.5	1764.3	1693.9
145°	2132.4	2150.9	2225.1	2299.2	2225.1	2150.9	2132.4	2005.7	1836.8	1752.3	1693.9
147.5°	2051.3	2066.7	2128.1	2189.5	2128.1	2066.7	2051.3	1951.6	1818.8	1752.3	1705.5
150°	2004.9	2017.3	2067.2	2116.9	2067.2	2017.3	2004.9	1920.7	1808.5	1752.3	1711.6
152.5°	1968.0	1977.3	2015.0	2052.6	2015.0	1977.3	1968.0	1896.1	1800.3	1752.3	1715.6
155°	1923.9	1930.2	1955.1	1979.9	1955.1	1930.2	1923.9	1866.7	1790.4	1752.3	1724.3
157.5°	1885.8	1890.2	1907.6	1925.1	1907.6	1890.2	1885.8	1841.3	1782.0	1752.3	1733.0
160°	1866.7	1869.2	1879.3	1889.4	1879.3	1869.2	1866.7	1828.6	1777.7	1752.3	1737.0
162.5°	1848.9	1851.3	1860.7	1870.3	1860.7	1851.3	1848.9	1816.7	1773.8	1752.3	1741.3
165°	1821.5	1824.0	1834.1	1844.1	1834.1	1824.0	1821.5	1798.5	1767.7	1752.3	1747.3
167.5°	1809.5	1810.6	1814.9	1819.1	1814.9	1810.6	1809.5	1794.4	1774.3	1764.3	1760.1
170°	1809.5	1809.5	1809.5	1809.5	1809.5	1809.5	1809.5	1794.4	1774.3	1764.3	1764.0
172.5°	1800.0	1799.0	1795.4	1791.7	1795.4	1799.0	1800.0	1788.0	1772.2	1764.3	1764.3
175°	1786.9	1786.9	1786.9	1786.9	1786.9	1786.9	1786.9	1779.4	1769.3	1764.3	1766.7
177.5°	1784.5	1783.5	1779.2	1775.0	1779.2	1783.5	1784.5	1778.6	1770.7	1766.7	1768.5
180°	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0	1775.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3416.2	3416.2	3416.2	3416.2	3416.2
2.5°	3374.2	3390.3	3400.1	3413.0	3445.3
5°	3244.9	3306.3	3325.7	3374.2	3432.4
7.5°	2960.5	3148.0	3199.6	3316.0	3406.5
10°	2685.7	2873.2	2963.7	3238.4	3374.2
12.5°	2546.8	2656.7	2718.1	3102.7	3328.9
15°	2459.5	2537.1	2582.3	2921.7	3277.3
17.5°	2391.7	2446.6	2478.9	2744.0	3206.1
20°	2349.7	2375.5	2404.6	2614.7	3125.3
22.5°	2320.6	2304.4	2327.0	2524.2	3015.4
25°	2301.2	2239.8	2265.6	2453.1	2886.2
27.5°	2317.3	2181.6	2191.2	2388.5	2750.4
30°	2320.6	2110.5	2113.7	2320.6	2598.6
32.5°	2297.9	2036.2	2039.4	2236.5	2427.2
35°	2243.0	1948.9	1945.6	2139.6	2194.5
37.5°	2168.6	1855.2	1855.2	2032.9	1939.2
40°	2078.2	1761.4	1771.1	1894.0	1713.0
42.5°	1968.3	1661.2	1674.2	1709.7	1544.9
45°	1848.7	1564.3	1573.9	1444.7	1415.6
47.5°	1716.2	1464.1	1467.4	1199.1	1373.6
50°	1557.8	1360.7	1347.7	1027.8	1370.3
52.5°	1418.8	1247.5	1208.7	930.8	1244.3
55°	1283.1	1128.0	1043.9	856.4	1153.8
57.5°	1163.5	972.9	892.1	769.3	1134.4
60°	1053.7	820.9	759.5	675.5	1040.7
62.5°	963.1	707.8	694.9	610.8	943.7
65°	866.2	630.2	627.0	555.9	801.5
67.5°	772.4	578.5	575.3	504.1	610.8
70°	672.2	523.6	517.1	449.2	452.5
72.5°	568.8	462.2	455.7	404.0	374.9
75°	465.4	391.1	387.8	352.3	303.8
77.5°	365.2	310.3	316.8	284.4	223.0
80°	261.8	226.2	232.7	203.6	168.1
82.5°	174.6	148.7	155.1	129.3	113.1
85°	96.9	84.0	87.3	67.9	51.7
87.5°	45.3	38.8	38.8	25.9	16.1
90°	52.4	33.3	30.9	21.5	11.9
92.5°	323.3	230.0	209.7	128.6	47.7
95°	795.3	447.9	410.8	262.6	114.4
97.5°	1071.4	492.0	459.4	328.5	197.8
100°	1171.9	529.0	499.3	380.7	262.1
102.5°	1217.9	565.8	538.1	427.6	316.9
105°	1252.0	620.7	597.3	503.5	409.8
107.5°	1258.4	701.6	679.8	592.5	505.1
110°	1248.9	746.9	727.2	648.3	569.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1249.2	801.7	782.9	707.8	632.6
115°	1260.8	883.9	866.6	797.2	727.9
117.5°	1284.2	963.8	948.0	885.0	822.0
120°	1303.3	1010.2	995.4	936.1	876.8
122.5°	1330.7	1065.0	1050.0	990.2	930.4
125°	1367.6	1135.3	1121.6	1067.1	1012.6
127.5°	1404.5	1203.2	1189.5	1134.3	1079.3
130°	1431.5	1248.5	1233.7	1174.4	1115.1
132.5°	1453.4	1285.4	1270.6	1211.3	1152.0
135°	1477.2	1328.3	1314.8	1260.8	1206.7
137.5°	1512.9	1383.0	1369.7	1316.3	1262.8
140°	1534.8	1420.0	1407.7	1358.5	1309.2
142.5°	1553.0	1447.4	1436.0	1390.5	1344.9
145°	1576.9	1489.1	1479.2	1439.5	1399.7
147.5°	1611.8	1541.6	1531.9	1493.2	1454.6
150°	1630.0	1568.9	1560.2	1525.2	1490.3
152.5°	1642.0	1586.8	1580.2	1553.7	1527.2
155°	1668.2	1626.1	1621.2	1601.6	1582.1
157.5°	1694.4	1665.4	1660.6	1641.6	1622.5
160°	1706.3	1683.3	1679.6	1664.8	1650.0
162.5°	1719.0	1702.4	1699.6	1688.4	1677.4
165°	1737.2	1729.7	1727.2	1717.1	1707.1
167.5°	1751.6	1745.3	1744.0	1739.2	1734.5
170°	1763.5	1763.1	1761.9	1757.1	1752.3
172.5°	1764.3	1764.3	1764.0	1762.9	1761.9
175°	1771.4	1775.0	1775.0	1775.0	1775.0
177.5°	1772.2	1775.0	1775.0	1775.0	1775.0
180°	1775.0	1775.0	1775.0	1775.0	1775.0



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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	13.78	14.58	14.79	15.60	16.96	16.61	17.42	17.63	18.44	19.80
	3H	14.25	14.97	15.27	16.00	17.38	17.96	18.68	18.98	19.71	21.09
	4H	14.44	15.12	15.47	16.15	17.54	18.40	19.09	19.44	20.12	21.51
	6H	14.55	15.18	15.60	16.22	17.62	18.69	19.31	19.73	20.35	21.75
	8H	14.55	15.15	15.60	16.21	17.60	18.76	19.36	19.81	20.41	21.81
	12H	14.52	15.09	15.58	16.14	17.56	18.80	19.37	19.85	20.41	21.83
4H	2H	14.80	15.49	15.84	16.52	17.91	17.02	17.70	18.06	18.73	20.12
	3H	15.83	16.40	16.88	17.46	18.86	18.52	19.09	19.57	20.15	21.55
	4H	16.10	16.62	17.16	17.67	19.10	19.05	19.57	20.10	20.62	22.04
	6H	16.22	16.67	17.29	17.75	19.16	19.41	19.86	20.48	20.93	22.35
	8H	16.23	16.64	17.29	17.71	19.15	19.52	19.94	20.58	21.00	22.44
	12H	16.19	16.57	17.27	17.65	19.09	19.57	19.95	20.66	21.03	22.47
8H	4H	16.55	16.97	17.62	18.04	19.47	19.17	19.59	20.23	20.65	22.09
	6H	16.81	17.16	17.90	18.27	19.70	19.60	19.95	20.69	21.06	22.49
	8H	16.85	17.16	17.95	18.25	19.70	19.76	20.06	20.85	21.15	22.60
	12H	16.83	17.10	17.93	18.19	19.68	19.85	20.12	20.95	21.21	22.70
12H	4H	16.55	16.93	17.64	18.01	19.45	19.13	19.51	20.21	20.59	22.03
	6H	16.87	17.17	17.97	18.27	19.72	19.60	19.90	20.70	21.00	22.45
	8H	16.93	17.20	18.03	18.29	19.78	19.76	20.03	20.86	21.11	22.61