

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: P936116

Luminaire Tested: SQ4-FA-150U-125D-835-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

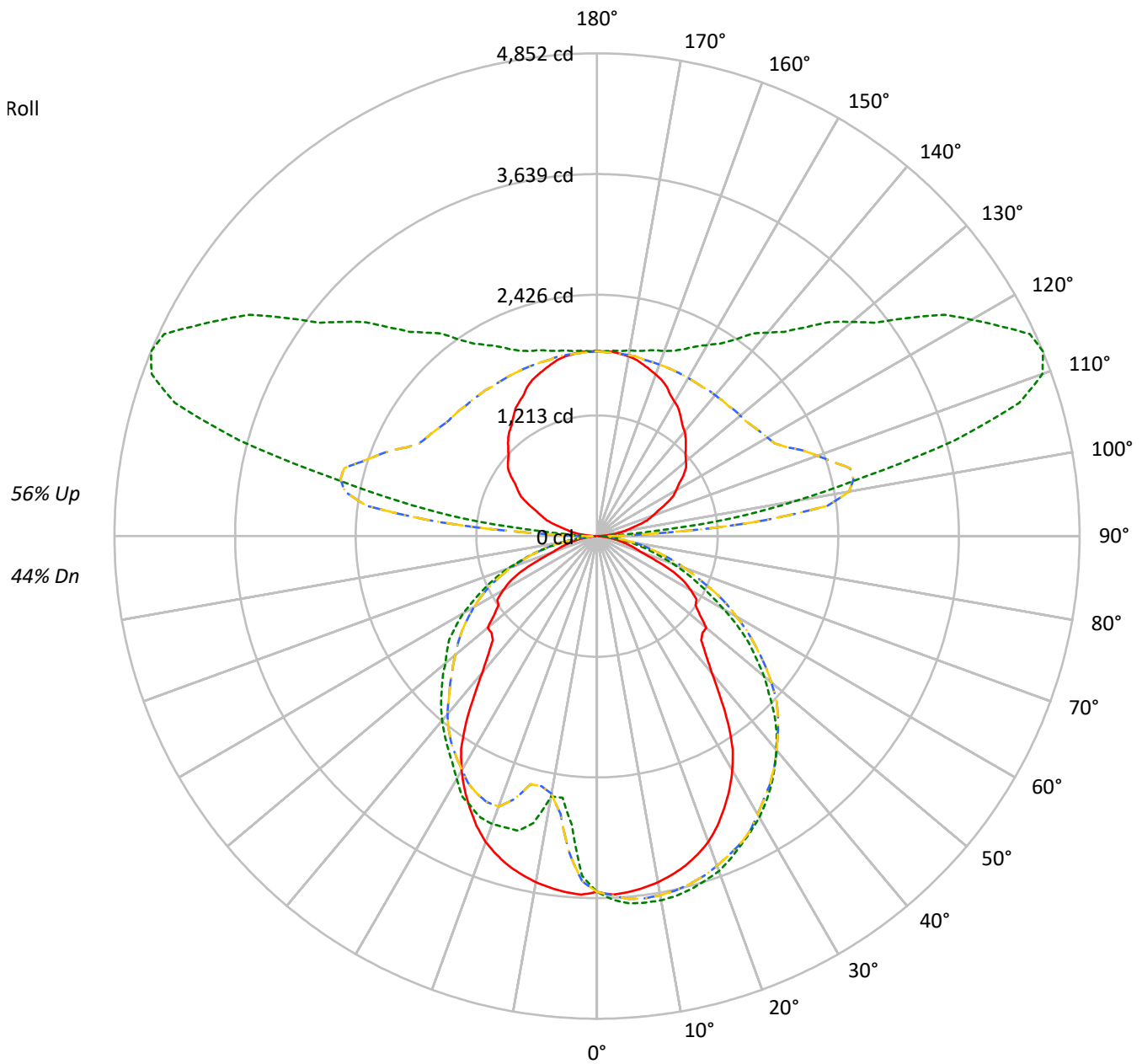
Test Method: LM-79-2019  
Report Number: P936116  
REPORT IS A COMBINATION OF REPORTS P933784 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-125D-835-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21331.0 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: 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°	16597	16597	16597	16597
5°	16721	16754	16721	13174
10°	16609	16503	16609	11799
15°	16428	16145	16428	13482
20°	16085	15722	16085	13510
25°	15382	15104	15382	13224
30°	14473	14591	14473	12595
35°	12902	13943	12902	11905
40°	10751	13179	10751	11382
45°	9606	12285	9606	10782
50°	10205	11219	10205	10180
55°	9602	10070	9602	9832
60°	9897	8553	9897	9005
65°	8974	7070	8974	7903
70°	6214	5634	6214	6625
75°	5448	4165	5448	4987
80°	4391	2754	4391	2999
85°	2520	1459	2520	1240

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14723 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	322.9	1.5
10°-20°	916.8	4.3
20°-30°	1417.2	6.6
30°-40°	1691.9	7.9
40°-50°	1701.8	8.0
50°-60°	1480.8	6.9
60°-70°	1049.9	4.9
70°-80°	555.5	2.6
80°-90°	145.4	0.7
90°-100°	906.0	4.2
100°-110°	2381.9	11.2
110°-120°	2469.8	11.6
120°-130°	1981.1	9.3
130°-140°	1554.4	7.3
140°-150°	1193.1	5.6
150°-160°	859.2	4.0
160°-170°	525.7	2.5
170°-180°	177.6	0.8
0°-30°	2656.9	12.5
0°-40°	4348.8	20.4
0°-60°	7531.3	35.3
0°-90°	9282.1	43.5
90°-120°	5757.7	27.0
90°-150°	10486.3	49.2
90°-180°	12049.0	56.5
0°-180°	21331.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3577	3577	3577	3577	3577	
5°	3594	3706	3594	2914	3594	341
15°	3432	3672	3432	3066	3432	966
25°	3022	3425	3022	2998	3022	1388
35°	2298	3056	2298	2609	2298	1422
45°	1482	2518	1482	2210	1482	1187
55°	1208	1858	1208	1814	1208	1110
65°	839	1120	839	1252	839	802
75°	318	531	318	636	318	334
85°	54	135	54	115	54	73
90°	12	47	12	47	12	13
95°	120	548	120	548	120	133
105°	429	3730	429	3730	429	455
115°	762	4802	762	4802	762	753
125°	1060	3825	1060	3825	1060	941
135°	1264	2968	1264	2968	1264	978
145°	1466	2408	1466	2408	1466	918
155°	1657	2073	1657	2073	1657	761
165°	1788	1931	1788	1931	1788	504
175°	1859	1871	1859	1871	1859	176
180°	1859	1859	1859	1859	1859	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2
2.5°	3607.6	3607.6	3627.9	3634.7	3634.7	3624.6	3614.4	3624.6	3655.0	3665.2	3661.8
5°	3594.1	3621.2	3658.4	3665.2	3671.9	3668.6	3661.8	3668.6	3702.4	3709.2	3712.6
7.5°	3567.0	3617.8	3665.2	3675.3	3685.5	3675.3	3671.9	3678.7	3712.6	3719.3	3719.3
10°	3533.2	3604.3	3658.4	3665.2	3675.3	3665.2	3665.2	3678.7	3712.6	3719.3	3722.7
12.5°	3485.8	3583.9	3634.7	3641.5	3655.0	3651.6	3648.3	3661.8	3695.6	3702.4	3702.4
15°	3431.7	3546.7	3594.1	3600.9	3624.6	3617.8	3617.8	3631.3	3668.6	3678.7	3675.3
17.5°	3357.2	3499.3	3553.5	3563.6	3580.6	3577.2	3580.6	3594.1	3627.9	3634.7	3638.1
20°	3272.6	3435.0	3499.3	3509.5	3526.4	3526.4	3526.4	3543.3	3577.2	3590.7	3590.7
22.5°	3157.5	3367.4	3435.0	3441.8	3462.1	3462.1	3468.9	3492.6	3523.0	3526.4	3526.4
25°	3022.2	3292.9	3350.4	3370.7	3391.0	3401.2	3411.4	3424.9	3435.0	3431.7	3435.0
27.5°	2880.0	3198.1	3272.6	3286.1	3313.2	3323.4	3336.9	3340.3	3343.7	3353.8	3347.0
30°	2721.0	3066.2	3177.8	3191.4	3235.4	3242.1	3228.6	3235.4	3252.3	3259.1	3265.8
32.5°	2541.6	2869.9	3079.7	3110.2	3150.8	3130.5	3127.1	3137.2	3164.3	3164.3	3171.1
35°	2297.9	2717.6	2988.3	3015.4	3045.8	3022.2	3035.7	3039.1	3056.0	3066.2	3062.8
37.5°	2030.6	2585.6	2893.6	2913.9	2937.6	2907.1	2927.4	2937.6	2951.1	2944.3	2944.3
40°	1793.7	2379.1	2781.9	2795.4	2815.7	2792.0	2812.3	2819.1	2825.9	2819.1	2815.7
42.5°	1617.7	2152.4	2663.4	2680.3	2666.8	2683.7	2690.5	2704.0	2693.9	2680.3	2680.3
45°	1482.3	2091.5	2534.8	2555.1	2534.8	2561.9	2572.1	2572.1	2541.6	2534.8	2531.4
47.5°	1438.3	1969.6	2406.2	2406.2	2396.1	2429.9	2446.8	2423.1	2392.7	2382.5	2382.5
50°	1434.9	1834.3	2230.2	2216.7	2264.1	2304.7	2287.8	2264.1	2240.4	2203.2	2203.2
52.5°	1302.9	1668.4	2003.5	2054.3	2128.7	2152.4	2125.3	2101.6	2061.0	2044.1	2030.6
55°	1208.2	1495.9	1797.1	1898.6	1976.4	2006.9	1956.1	1932.4	1871.5	1861.4	1854.6
57.5°	1187.9	1245.4	1607.5	1736.1	1830.9	1827.5	1797.1	1753.1	1702.3	1692.1	1688.8
60°	1089.7	900.2	1404.5	1556.8	1654.9	1644.8	1617.7	1577.1	1529.7	1522.9	1516.2
62.5°	988.2	653.2	1174.3	1346.9	1485.7	1482.3	1458.6	1397.7	1363.9	1346.9	1333.4
65°	839.3	548.3	835.9	1120.2	1319.9	1326.6	1275.9	1231.9	1194.6	1174.3	1171.0
67.5°	639.6	446.7	565.2	934.1	1160.8	1154.0	1089.7	1069.4	1022.1	1011.9	991.6
70°	473.8	297.8	392.6	758.1	1005.1	988.2	937.4	913.8	869.8	846.1	832.5
72.5°	392.6	240.3	287.7	588.9	846.1	825.8	781.8	754.7	717.5	697.2	683.6
75°	318.1	253.8	220.0	436.6	687.0	673.5	632.9	605.8	575.3	548.3	551.6
77.5°	233.5	236.9	176.0	321.5	544.9	524.6	500.9	467.0	453.5	426.4	426.4
80°	176.0	186.1	132.0	220.0	392.6	392.6	372.3	348.6	324.9	311.4	311.4
82.5°	118.4	118.4	98.1	138.8	267.4	257.2	243.7	236.9	223.4	216.6	216.6
85°	54.1	67.7	60.9	84.6	145.5	152.3	152.3	145.5	142.1	135.4	138.8
87.5°	16.9	30.5	37.2	47.4	74.5	77.8	81.2	81.2	81.2	84.6	84.6
90°	12.5	22.5	32.4	34.9	54.9	81.5	94.8	84.3	63.2	47.4	47.4
92.5°	49.9	134.7	219.6	240.8	338.5	468.8	533.9	467.9	336.0	237.0	227.6
95°	119.8	275.0	430.2	469.0	832.8	1317.9	1560.5	1392.5	1056.6	804.6	776.0
97.5°	207.1	344.0	481.0	515.2	1121.9	1930.8	2335.2	2229.0	2016.7	1857.4	1803.1
100°	274.4	398.6	522.8	553.9	1227.1	2124.6	2573.4	2581.2	2596.7	2608.3	2543.6
102.5°	331.8	447.7	563.5	592.5	1275.3	2185.6	2640.8	2776.1	3046.6	3249.5	3194.1
105°	429.1	527.2	625.4	649.9	1311.0	2192.5	2633.3	2936.6	3543.1	3998.0	3968.2
107.5°	528.9	620.4	711.8	734.7	1317.7	2095.0	2483.6	2906.6	3752.7	4387.2	4394.4
110°	596.3	678.9	761.5	782.1	1307.7	2008.5	2358.9	2831.8	3777.6	4487.0	4518.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	662.4	741.1	819.8	839.5	1308.1	1932.9	2245.3	2729.3	3697.3	4423.3	4471.0
115°	762.2	834.8	907.4	925.6	1320.2	1846.3	2109.4	2575.6	3508.1	4207.5	4273.6
117.5°	860.7	926.7	992.7	1009.2	1344.7	1792.1	2015.8	2436.6	3278.2	3909.4	3982.7
120°	918.1	980.2	1042.3	1057.8	1364.7	1773.8	1978.4	2362.9	3131.9	3708.6	3779.8
122.5°	974.2	1036.9	1099.5	1115.2	1393.4	1764.3	1949.7	2295.9	2988.4	3507.7	3578.0
125°	1060.3	1117.4	1174.5	1188.8	1432.0	1756.3	1918.5	2212.6	2800.8	3242.0	3306.7
127.5°	1130.2	1187.8	1245.5	1259.9	1470.7	1751.8	1892.3	2144.8	2649.9	3028.7	3083.3
130°	1167.6	1229.7	1291.8	1307.3	1499.0	1754.5	1882.3	2107.1	2556.8	2894.0	2944.5
132.5°	1206.3	1268.4	1330.5	1346.0	1521.9	1756.4	1873.6	2074.8	2477.3	2779.2	2824.4
135°	1263.6	1320.2	1376.8	1390.9	1546.8	1754.7	1858.6	2027.2	2364.3	2617.1	2656.0
137.5°	1322.3	1378.3	1434.2	1448.2	1584.2	1765.5	1856.2	1998.7	2283.6	2497.3	2529.2
140°	1370.9	1422.5	1474.0	1486.9	1607.1	1767.3	1847.4	1970.5	2216.7	2401.3	2431.1
142.5°	1408.3	1456.0	1503.7	1515.6	1626.2	1773.7	1847.4	1955.5	2171.7	2333.9	2359.5
145°	1465.7	1507.3	1548.9	1559.3	1651.2	1773.7	1834.9	1923.3	2100.2	2232.9	2252.3
147.5°	1523.1	1563.6	1604.1	1614.2	1687.8	1785.9	1834.9	1904.5	2043.6	2148.0	2164.1
150°	1560.5	1597.1	1633.7	1642.8	1706.8	1792.2	1834.9	1893.7	2011.2	2099.4	2112.4
152.5°	1599.2	1626.9	1654.7	1661.6	1719.4	1796.4	1834.9	1885.1	1985.4	2060.7	2070.5
155°	1656.6	1677.1	1697.6	1702.7	1746.8	1805.5	1834.9	1874.8	1954.7	2014.6	2021.1
157.5°	1699.0	1719.0	1738.9	1743.9	1774.2	1814.7	1834.9	1866.0	1928.1	1974.7	1979.3
160°	1727.7	1743.2	1758.7	1762.6	1786.7	1818.8	1834.9	1861.5	1914.8	1954.7	1957.3
162.5°	1756.4	1768.0	1779.7	1782.6	1800.0	1823.3	1834.9	1857.4	1902.3	1936.0	1938.5
165°	1787.5	1798.0	1808.6	1811.2	1819.1	1829.6	1834.9	1851.0	1883.2	1907.3	1909.9
167.5°	1816.2	1821.2	1826.2	1827.5	1834.1	1843.0	1847.4	1857.9	1879.0	1894.8	1895.9
170°	1834.9	1839.9	1844.9	1846.2	1846.6	1847.1	1847.4	1857.9	1879.0	1894.8	1894.8
172.5°	1844.9	1846.0	1847.1	1847.4	1847.4	1847.4	1847.4	1855.7	1872.3	1884.8	1883.8
175°	1858.6	1858.6	1858.6	1858.6	1854.9	1849.9	1847.4	1852.7	1863.2	1871.1	1871.1
177.5°	1858.6	1858.6	1858.6	1858.6	1855.7	1851.8	1849.9	1854.1	1862.4	1868.6	1867.5
180°	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2
2.5°	3668.6	3658.4	3668.6	3661.8	3665.2	3655.0	3624.6	3614.4	3624.6	3634.7	3634.7
5°	3712.6	3705.8	3712.6	3712.6	3709.2	3702.4	3668.6	3661.8	3668.6	3671.9	3665.2
7.5°	3726.1	3715.9	3726.1	3719.3	3719.3	3712.6	3678.7	3671.9	3675.3	3685.5	3675.3
10°	3726.1	3715.9	3726.1	3722.7	3719.3	3712.6	3678.7	3665.2	3665.2	3675.3	3665.2
12.5°	3709.2	3702.4	3709.2	3702.4	3702.4	3695.6	3661.8	3648.3	3651.6	3655.0	3641.5
15°	3682.1	3671.9	3682.1	3675.3	3678.7	3668.6	3631.3	3617.8	3617.8	3624.6	3600.9
17.5°	3641.5	3627.9	3641.5	3638.1	3634.7	3627.9	3594.1	3580.6	3577.2	3580.6	3563.6
20°	3594.1	3583.9	3594.1	3590.7	3590.7	3577.2	3543.3	3526.4	3526.4	3526.4	3509.5
22.5°	3519.6	3509.5	3519.6	3526.4	3526.4	3523.0	3492.6	3468.9	3462.1	3462.1	3441.8
25°	3435.0	3424.9	3435.0	3435.0	3431.7	3435.0	3424.9	3411.4	3401.2	3391.0	3370.7
27.5°	3353.8	3347.0	3353.8	3347.0	3353.8	3343.7	3340.3	3336.9	3323.4	3313.2	3286.1
30°	3272.6	3265.8	3272.6	3265.8	3259.1	3252.3	3235.4	3228.6	3242.1	3235.4	3191.4
32.5°	3171.1	3164.3	3171.1	3171.1	3164.3	3164.3	3137.2	3127.1	3130.5	3150.8	3110.2
35°	3066.2	3056.0	3066.2	3062.8	3066.2	3056.0	3039.1	3035.7	3022.2	3045.8	3015.4
37.5°	2944.3	2934.2	2944.3	2944.3	2944.3	2951.1	2937.6	2927.4	2907.1	2937.6	2913.9
40°	2819.1	2805.6	2819.1	2815.7	2819.1	2825.9	2819.1	2812.3	2792.0	2815.7	2795.4
42.5°	2677.0	2673.6	2677.0	2680.3	2680.3	2693.9	2704.0	2690.5	2683.7	2666.8	2680.3
45°	2524.7	2517.9	2524.7	2531.4	2534.8	2541.6	2572.1	2572.1	2561.9	2534.8	2555.1
47.5°	2362.2	2345.3	2362.2	2382.5	2382.5	2392.7	2423.1	2446.8	2429.9	2396.1	2406.2
50°	2189.6	2193.0	2189.6	2203.2	2203.2	2240.4	2264.1	2287.8	2304.7	2264.1	2216.7
52.5°	2020.4	2017.0	2020.4	2030.6	2044.1	2061.0	2101.6	2125.3	2152.4	2128.7	2054.3
55°	1851.2	1858.0	1851.2	1854.6	1861.4	1871.5	1932.4	1956.1	2006.9	1976.4	1898.6
57.5°	1682.0	1671.8	1682.0	1688.8	1692.1	1702.3	1753.1	1797.1	1827.5	1830.9	1736.1
60°	1485.7	1472.2	1485.7	1516.2	1522.9	1529.7	1577.1	1617.7	1644.8	1654.9	1556.8
62.5°	1313.1	1289.4	1313.1	1333.4	1346.9	1363.9	1397.7	1458.6	1482.3	1485.7	1346.9
65°	1130.3	1120.2	1130.3	1171.0	1174.3	1194.6	1231.9	1275.9	1326.6	1319.9	1120.2
67.5°	964.5	964.5	964.5	991.6	1011.9	1022.1	1069.4	1089.7	1154.0	1160.8	934.1
70°	812.2	808.8	812.2	832.5	846.1	869.8	913.8	937.4	988.2	1005.1	758.1
72.5°	666.7	663.3	666.7	683.6	697.2	717.5	754.7	781.8	825.8	846.1	588.9
75°	538.1	531.3	538.1	551.6	548.3	575.3	605.8	632.9	673.5	687.0	436.6
77.5°	412.9	412.9	412.9	426.4	426.4	453.5	467.0	500.9	524.6	544.9	321.5
80°	308.0	304.6	308.0	311.4	311.4	324.9	348.6	372.3	392.6	392.6	220.0
82.5°	216.6	209.8	216.6	216.6	216.6	223.4	236.9	243.7	257.2	267.4	138.8
85°	135.4	135.4	135.4	138.8	135.4	142.1	145.5	152.3	152.3	145.5	84.6
87.5°	88.0	84.6	88.0	84.6	84.6	81.2	81.2	81.2	77.8	74.5	47.4
90°	47.4	47.4	47.4	47.4	47.4	63.2	84.3	94.8	81.5	54.9	34.9
92.5°	189.9	152.2	189.9	227.6	237.0	336.0	467.9	533.9	468.8	338.5	240.8
95°	661.8	547.6	661.8	776.0	804.6	1056.6	1392.5	1560.5	1317.9	832.8	469.0
97.5°	1585.7	1368.4	1585.7	1803.1	1857.4	2016.7	2229.0	2335.2	1930.8	1121.9	515.2
100°	2284.7	2025.8	2284.7	2543.6	2608.3	2596.7	2581.2	2573.4	2124.6	1227.1	553.9
102.5°	2972.3	2750.6	2972.3	3194.1	3249.5	3046.6	2776.1	2640.8	2185.6	1275.3	592.5
105°	3849.0	3729.8	3849.0	3968.2	3998.0	3543.1	2936.6	2633.3	2192.5	1311.0	649.9
107.5°	4423.2	4452.0	4423.2	4394.4	4387.2	3752.7	2906.6	2483.6	2095.0	1317.7	734.7
110°	4642.2	4766.4	4642.2	4518.0	4487.0	3777.6	2831.8	2358.9	2008.5	1307.7	782.1





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4661.7	4852.4	4661.7	4471.0	4423.3	3697.3	2729.3	2245.3	1932.9	1308.1	839.5
115°	4538.1	4802.5	4538.1	4273.6	4207.5	3508.1	2575.6	2109.4	1846.3	1320.2	925.6
117.5°	4276.0	4569.3	4276.0	3982.7	3909.4	3278.2	2436.6	2015.8	1792.1	1344.7	1009.2
120°	4064.8	4349.7	4064.8	3779.8	3708.6	3131.9	2362.9	1978.4	1773.8	1364.7	1057.8
122.5°	3859.1	4140.2	3859.1	3578.0	3507.7	2988.4	2295.9	1949.7	1764.3	1393.4	1115.2
125°	3565.7	3824.6	3565.7	3306.7	3242.0	2800.8	2212.6	1918.5	1756.3	1432.0	1188.8
127.5°	3301.8	3520.2	3301.8	3083.3	3028.7	2649.9	2144.8	1892.3	1751.8	1470.7	1259.9
130°	3146.3	3348.1	3146.3	2944.5	2894.0	2556.8	2107.1	1882.3	1754.5	1499.0	1307.3
132.5°	3005.1	3185.9	3005.1	2824.4	2779.2	2477.3	2074.8	1873.6	1756.4	1521.9	1346.0
135°	2811.8	2967.6	2811.8	2656.0	2617.1	2364.3	2027.2	1858.6	1754.7	1546.8	1390.9
137.5°	2656.7	2784.2	2656.7	2529.2	2497.3	2283.6	1998.7	1856.2	1765.5	1584.2	1448.2
140°	2550.3	2669.5	2550.3	2431.1	2401.3	2216.7	1970.5	1847.4	1767.3	1607.1	1486.9
142.5°	2462.1	2564.7	2462.1	2359.5	2333.9	2171.7	1955.5	1847.4	1773.7	1626.2	1515.6
145°	2329.9	2407.5	2329.9	2252.3	2232.9	2100.2	1923.3	1834.9	1773.7	1651.2	1559.3
147.5°	2228.4	2292.7	2228.4	2164.1	2148.0	2043.6	1904.5	1834.9	1785.9	1687.8	1614.2
150°	2164.6	2216.7	2164.6	2112.4	2099.4	2011.2	1893.7	1834.9	1792.2	1706.8	1642.8
152.5°	2109.9	2149.3	2109.9	2070.5	2060.7	1985.4	1885.1	1834.9	1796.4	1719.4	1661.6
155°	2047.2	2073.2	2047.2	2021.1	2014.6	1954.7	1874.8	1834.9	1805.5	1746.8	1702.7
157.5°	1997.5	2015.8	1997.5	1979.3	1974.7	1928.1	1866.0	1834.9	1814.7	1774.2	1743.9
160°	1967.9	1978.4	1967.9	1957.3	1954.7	1914.8	1861.5	1834.9	1818.8	1786.7	1762.6
162.5°	1948.4	1958.4	1948.4	1938.5	1936.0	1902.3	1857.4	1834.9	1823.3	1800.0	1782.6
165°	1920.5	1931.0	1920.5	1909.9	1907.3	1883.2	1851.0	1834.9	1829.6	1819.1	1811.2
167.5°	1900.4	1904.8	1900.4	1895.9	1894.8	1879.0	1857.9	1847.4	1843.0	1834.1	1827.5
170°	1894.8	1894.8	1894.8	1894.8	1894.8	1879.0	1857.9	1847.4	1847.1	1846.6	1846.2
172.5°	1880.0	1876.1	1880.0	1883.8	1884.8	1872.3	1855.7	1847.4	1847.4	1847.4	1847.4
175°	1871.1	1871.1	1871.1	1871.1	1871.1	1863.2	1852.7	1847.4	1849.9	1854.9	1858.6
177.5°	1863.0	1858.6	1863.0	1867.5	1868.6	1862.4	1854.1	1849.9	1851.8	1855.7	1858.6
180°	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2
2.5°	3627.9	3607.6	3607.6	3573.8	3560.3	3550.1	3533.2	3482.4	3468.9	3455.3	3475.7
5°	3658.4	3621.2	3594.1	3533.2	3482.4	3462.1	3397.8	3276.0	3194.8	3133.8	3100.0
7.5°	3665.2	3617.8	3567.0	3472.3	3350.4	3296.3	3100.0	2876.6	2815.7	2761.6	2727.7
10°	3658.4	3604.3	3533.2	3391.0	3103.4	3008.6	2812.3	2666.8	2629.6	2619.4	2629.6
12.5°	3634.7	3583.9	3485.8	3248.9	2846.2	2781.9	2666.8	2582.2	2575.4	2592.4	2683.7
15°	3594.1	3546.7	3431.7	3059.4	2704.0	2656.7	2575.4	2545.0	2582.2	2700.7	2974.8
17.5°	3553.5	3499.3	3357.2	2873.3	2595.7	2561.9	2504.4	2565.3	2775.1	2934.2	3025.5
20°	3499.3	3435.0	3272.6	2737.9	2517.9	2487.4	2460.4	2734.5	2893.6	2951.1	3001.9
22.5°	3435.0	3367.4	3157.5	2643.1	2436.7	2413.0	2429.9	2829.3	2893.6	2934.2	2978.2
25°	3350.4	3292.9	3022.2	2568.7	2372.4	2345.3	2409.6	2819.1	2856.3	2866.5	2954.5
27.5°	3272.6	3198.1	2880.0	2501.0	2294.5	2284.4	2426.5	2775.1	2802.2	2812.3	2907.1
30°	3177.8	3066.2	2721.0	2429.9	2213.3	2209.9	2429.9	2721.0	2714.2	2741.3	2836.0
32.5°	3079.7	2869.9	2541.6	2341.9	2135.5	2132.1	2406.2	2639.7	2633.0	2670.2	2741.3
35°	2988.3	2717.6	2297.9	2240.4	2037.3	2040.7	2348.7	2545.0	2548.4	2582.2	2626.2
37.5°	2893.6	2585.6	2030.6	2128.7	1942.6	1942.6	2270.8	2457.0	2450.2	2460.4	2521.3
40°	2781.9	2379.1	1793.7	1983.2	1854.6	1844.4	2176.1	2362.2	2338.5	2335.2	2419.8
42.5°	2663.4	2152.4	1617.7	1790.3	1753.1	1739.5	2061.0	2247.2	2203.2	2213.3	2321.6
45°	2534.8	2091.5	1482.3	1512.8	1648.1	1638.0	1935.8	2115.2	2084.7	2111.8	2223.5
47.5°	2406.2	1969.6	1438.3	1255.6	1536.5	1533.1	1797.1	1986.6	1969.6	1996.7	2115.2
50°	2230.2	1834.3	1434.9	1076.2	1411.2	1424.8	1631.2	1861.4	1861.4	1885.0	2010.3
52.5°	2003.5	1668.4	1302.9	974.7	1265.7	1306.3	1485.7	1753.1	1759.8	1783.5	1895.2
55°	1797.1	1495.9	1208.2	896.8	1093.1	1181.1	1343.6	1641.4	1654.9	1678.6	1780.1
57.5°	1607.5	1245.4	1187.9	805.5	934.1	1018.7	1218.3	1533.1	1539.8	1560.2	1658.3
60°	1404.5	900.2	1089.7	707.3	795.3	859.6	1103.3	1404.5	1428.2	1441.7	1526.3
62.5°	1174.3	653.2	988.2	639.6	727.6	741.2	1008.5	1282.6	1313.1	1323.3	1374.0
65°	835.9	548.3	839.3	582.1	656.5	659.9	907.0	1157.4	1184.5	1201.4	1238.6
67.5°	565.2	446.7	639.6	527.9	602.4	605.8	808.8	1011.9	1049.1	1062.7	1086.4
70°	392.6	297.8	473.8	470.4	541.5	548.3	703.9	879.9	913.8	923.9	937.4
72.5°	287.7	240.3	392.6	423.0	477.2	484.0	595.6	731.0	764.8	775.0	781.8
75°	220.0	253.8	318.1	368.9	406.1	409.5	487.3	595.6	619.3	626.1	629.5
77.5°	176.0	236.9	233.5	297.8	331.7	324.9	382.4	460.3	480.6	480.6	480.6
80°	132.0	186.1	176.0	213.2	243.7	236.9	274.1	328.3	335.0	341.8	338.4
82.5°	98.1	118.4	118.4	135.4	162.4	155.7	182.8	213.2	213.2	213.2	220.0
85°	60.9	67.7	54.1	71.1	91.4	88.0	101.5	115.1	118.4	118.4	111.7
87.5°	37.2	30.5	16.9	27.1	40.6	40.6	47.4	50.8	47.4	47.4	47.4
90°	32.4	22.5	12.5	22.5	32.4	34.9	54.9	81.5	94.8	84.3	63.2
92.5°	219.6	134.7	49.9	134.7	219.6	240.8	338.5	468.8	533.9	467.9	336.0
95°	430.2	275.0	119.8	275.0	430.2	469.0	832.8	1317.9	1560.5	1392.5	1056.6
97.5°	481.0	344.0	207.1	344.0	481.0	515.2	1121.9	1930.8	2335.2	2229.0	2016.7
100°	522.8	398.6	274.4	398.6	522.8	553.9	1227.1	2124.6	2573.4	2581.2	2596.7
102.5°	563.5	447.7	331.8	447.7	563.5	592.5	1275.3	2185.6	2640.8	2776.1	3046.6
105°	625.4	527.2	429.1	527.2	625.4	649.9	1311.0	2192.5	2633.3	2936.6	3543.1
107.5°	711.8	620.4	528.9	620.4	711.8	734.7	1317.7	2095.0	2483.6	2906.6	3752.7
110°	761.5	678.9	596.3	678.9	761.5	782.1	1307.7	2008.5	2358.9	2831.8	3777.6



TEST NUMBER: P936116

CATALOG NUMBER: SQ4-FA-150U-125D-835-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	819.8	741.1	662.4	741.1	819.8	839.5	1308.1	1932.9	2245.3	2729.3	3697.3
115°	907.4	834.8	762.2	834.8	907.4	925.6	1320.2	1846.3	2109.4	2575.6	3508.1
117.5°	992.7	926.7	860.7	926.7	992.7	1009.2	1344.7	1792.1	2015.8	2436.6	3278.2
120°	1042.3	980.2	918.1	980.2	1042.3	1057.8	1364.7	1773.8	1978.4	2362.9	3131.9
122.5°	1099.5	1036.9	974.2	1036.9	1099.5	1115.2	1393.4	1764.3	1949.7	2295.9	2988.4
125°	1174.5	1117.4	1060.3	1117.4	1174.5	1188.8	1432.0	1756.3	1918.5	2212.6	2800.8
127.5°	1245.5	1187.8	1130.2	1187.8	1245.5	1259.9	1470.7	1751.8	1892.3	2144.8	2649.9
130°	1291.8	1229.7	1167.6	1229.7	1291.8	1307.3	1499.0	1754.5	1882.3	2107.1	2556.8
132.5°	1330.5	1268.4	1206.3	1268.4	1330.5	1346.0	1521.9	1756.4	1873.6	2074.8	2477.3
135°	1376.8	1320.2	1263.6	1320.2	1376.8	1390.9	1546.8	1754.7	1858.6	2027.2	2364.3
137.5°	1434.2	1378.3	1322.3	1378.3	1434.2	1448.2	1584.2	1765.5	1856.2	1998.7	2283.6
140°	1474.0	1422.5	1370.9	1422.5	1474.0	1486.9	1607.1	1767.3	1847.4	1970.5	2216.7
142.5°	1503.7	1456.0	1408.3	1456.0	1503.7	1515.6	1626.2	1773.7	1847.4	1955.5	2171.7
145°	1548.9	1507.3	1465.7	1507.3	1548.9	1559.3	1651.2	1773.7	1834.9	1923.3	2100.2
147.5°	1604.1	1563.6	1523.1	1563.6	1604.1	1614.2	1687.8	1785.9	1834.9	1904.5	2043.6
150°	1633.7	1597.1	1560.5	1597.1	1633.7	1642.8	1706.8	1792.2	1834.9	1893.7	2011.2
152.5°	1654.7	1626.9	1599.2	1626.9	1654.7	1661.6	1719.4	1796.4	1834.9	1885.1	1985.4
155°	1697.6	1677.1	1656.6	1677.1	1697.6	1702.7	1746.8	1805.5	1834.9	1874.8	1954.7
157.5°	1738.9	1719.0	1699.0	1719.0	1738.9	1743.9	1774.2	1814.7	1834.9	1866.0	1928.1
160°	1758.7	1743.2	1727.7	1743.2	1758.7	1762.6	1786.7	1818.8	1834.9	1861.5	1914.8
162.5°	1779.7	1768.0	1756.4	1768.0	1779.7	1782.6	1800.0	1823.3	1834.9	1857.4	1902.3
165°	1808.6	1798.0	1787.5	1798.0	1808.6	1811.2	1819.1	1829.6	1834.9	1851.0	1883.2
167.5°	1826.2	1821.2	1816.2	1821.2	1826.2	1827.5	1834.1	1843.0	1847.4	1857.9	1879.0
170°	1844.9	1839.9	1834.9	1839.9	1844.9	1846.2	1846.6	1847.1	1847.4	1857.9	1879.0
172.5°	1847.1	1846.0	1844.9	1846.0	1847.1	1847.4	1847.4	1847.4	1847.4	1855.7	1872.3
175°	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1854.9	1849.9	1847.4	1852.7	1863.2
177.5°	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1855.7	1851.8	1849.9	1854.1	1862.4
180°	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6



TEST NUMBER: P936116  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2
2.5°	3452.0	3441.8	3455.3	3418.1	3455.3	3441.8	3452.0	3475.7	3455.3	3468.9	3482.4
5°	3028.9	3012.0	2957.9	2913.9	2957.9	3012.0	3028.9	3100.0	3133.8	3194.8	3276.0
7.5°	2707.4	2693.9	2680.3	2653.3	2680.3	2693.9	2707.4	2727.7	2761.6	2815.7	2876.6
10°	2636.4	2639.7	2660.0	2656.7	2660.0	2639.7	2636.4	2629.6	2619.4	2629.6	2666.8
12.5°	2819.1	2849.6	2961.2	2954.5	2961.2	2849.6	2819.1	2683.7	2592.4	2575.4	2582.2
15°	3028.9	3039.1	3062.8	3066.2	3062.8	3039.1	3028.9	2974.8	2700.7	2582.2	2545.0
17.5°	3049.2	3052.6	3069.5	3069.5	3069.5	3052.6	3049.2	3025.5	2934.2	2775.1	2565.3
20°	3032.3	3039.1	3072.9	3079.7	3072.9	3039.1	3032.3	3001.9	2951.1	2893.6	2734.5
22.5°	3025.5	3039.1	3066.2	3062.8	3066.2	3039.1	3025.5	2978.2	2934.2	2893.6	2829.3
25°	2991.7	2991.7	2995.1	2998.5	2995.1	2991.7	2991.7	2954.5	2866.5	2856.3	2819.1
27.5°	2920.6	2927.4	2947.7	2944.3	2947.7	2927.4	2920.6	2907.1	2812.3	2802.2	2775.1
30°	2856.3	2849.6	2832.6	2819.1	2832.6	2849.6	2856.3	2836.0	2741.3	2714.2	2721.0
32.5°	2748.0	2731.1	2714.2	2704.0	2714.2	2731.1	2748.0	2741.3	2670.2	2633.0	2639.7
35°	2619.4	2622.8	2619.4	2609.3	2619.4	2622.8	2619.4	2626.2	2582.2	2548.4	2545.0
37.5°	2528.1	2534.8	2531.4	2517.9	2531.4	2534.8	2528.1	2521.3	2460.4	2450.2	2457.0
40°	2433.3	2436.7	2433.3	2423.1	2433.3	2436.7	2433.3	2419.8	2335.2	2338.5	2362.2
42.5°	2341.9	2338.5	2328.4	2321.6	2328.4	2338.5	2341.9	2321.6	2213.3	2203.2	2247.2
45°	2237.0	2240.4	2220.1	2209.9	2220.1	2240.4	2237.0	2223.5	2111.8	2084.7	2115.2
47.5°	2132.1	2132.1	2115.2	2105.0	2115.2	2132.1	2132.1	2115.2	1996.7	1969.6	1986.6
50°	2020.4	2017.0	1993.3	1990.0	1993.3	2017.0	2020.4	2010.3	1885.0	1861.4	1861.4
52.5°	1891.8	1891.8	1895.2	1902.0	1895.2	1891.8	1891.8	1895.2	1783.5	1759.8	1753.1
55°	1780.1	1783.5	1807.2	1814.0	1807.2	1783.5	1780.1	1780.1	1678.6	1654.9	1641.4
57.5°	1665.1	1665.1	1682.0	1682.0	1682.0	1665.1	1665.1	1658.3	1560.2	1539.8	1533.1
60°	1533.1	1539.8	1553.4	1550.0	1553.4	1539.8	1533.1	1526.3	1441.7	1428.2	1404.5
62.5°	1394.3	1401.1	1404.5	1397.7	1404.5	1401.1	1394.3	1374.0	1323.3	1313.1	1282.6
65°	1248.8	1255.6	1259.0	1252.2	1259.0	1255.6	1248.8	1238.6	1201.4	1184.5	1157.4
67.5°	1099.9	1096.5	1093.1	1106.7	1093.1	1096.5	1099.9	1086.4	1062.7	1049.1	1011.9
70°	947.6	947.6	944.2	951.0	944.2	947.6	947.6	937.4	923.9	913.8	879.9
72.5°	785.2	781.8	795.3	785.2	795.3	781.8	785.2	781.8	775.0	764.8	731.0
75°	626.1	632.9	626.1	636.2	626.1	632.9	626.1	629.5	626.1	619.3	595.6
77.5°	477.2	484.0	477.2	477.2	477.2	484.0	477.2	480.6	480.6	480.6	460.3
80°	338.4	335.0	335.0	331.7	335.0	335.0	338.4	338.4	341.8	335.0	328.3
82.5°	216.6	213.2	213.2	220.0	213.2	213.2	216.6	220.0	213.2	213.2	213.2
85°	118.4	121.8	115.1	115.1	115.1	121.8	118.4	111.7	118.4	118.4	115.1
87.5°	44.0	40.6	40.6	40.6	40.6	40.6	44.0	47.4	47.4	47.4	50.8
90°	47.4	47.4	47.4	47.4	47.4	47.4	47.4	63.2	84.3	94.8	81.5
92.5°	237.0	227.6	189.9	152.2	189.9	227.6	237.0	336.0	467.9	533.9	468.8
95°	804.6	776.0	661.8	547.6	661.8	776.0	804.6	1056.6	1392.5	1560.5	1317.9
97.5°	1857.4	1803.1	1585.7	1368.4	1585.7	1803.1	1857.4	2016.7	2229.0	2335.2	1930.8
100°	2608.3	2543.6	2284.7	2025.8	2284.7	2543.6	2608.3	2596.7	2581.2	2573.4	2124.6
102.5°	3249.5	3194.1	2972.3	2750.6	2972.3	3194.1	3249.5	3046.6	2776.1	2640.8	2185.6
105°	3998.0	3968.2	3849.0	3729.8	3849.0	3968.2	3998.0	3543.1	2936.6	2633.3	2192.5
107.5°	4387.2	4394.4	4423.2	4452.0	4423.2	4394.4	4387.2	3752.7	2906.6	2483.6	2095.0
110°	4487.0	4518.0	4642.2	4766.4	4642.2	4518.0	4487.0	3777.6	2831.8	2358.9	2008.5



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4423.3	4471.0	4661.7	4852.4	4661.7	4471.0	4423.3	3697.3	2729.3	2245.3	1932.9
115°	4207.5	4273.6	4538.1	4802.5	4538.1	4273.6	4207.5	3508.1	2575.6	2109.4	1846.3
117.5°	3909.4	3982.7	4276.0	4569.3	4276.0	3982.7	3909.4	3278.2	2436.6	2015.8	1792.1
120°	3708.6	3779.8	4064.8	4349.7	4064.8	3779.8	3708.6	3131.9	2362.9	1978.4	1773.8
122.5°	3507.7	3578.0	3859.1	4140.2	3859.1	3578.0	3507.7	2988.4	2295.9	1949.7	1764.3
125°	3242.0	3306.7	3565.7	3824.6	3565.7	3306.7	3242.0	2800.8	2212.6	1918.5	1756.3
127.5°	3028.7	3083.3	3301.8	3520.2	3301.8	3083.3	3028.7	2649.9	2144.8	1892.3	1751.8
130°	2894.0	2944.5	3146.3	3348.1	3146.3	2944.5	2894.0	2556.8	2107.1	1882.3	1754.5
132.5°	2779.2	2824.4	3005.1	3185.9	3005.1	2824.4	2779.2	2477.3	2074.8	1873.6	1756.4
135°	2617.1	2656.0	2811.8	2967.6	2811.8	2656.0	2617.1	2364.3	2027.2	1858.6	1754.7
137.5°	2497.3	2529.2	2656.7	2784.2	2656.7	2529.2	2497.3	2283.6	1998.7	1856.2	1765.5
140°	2401.3	2431.1	2550.3	2669.5	2550.3	2431.1	2401.3	2216.7	1970.5	1847.4	1767.3
142.5°	2333.9	2359.5	2462.1	2564.7	2462.1	2359.5	2333.9	2171.7	1955.5	1847.4	1773.7
145°	2232.9	2252.3	2329.9	2407.5	2329.9	2252.3	2232.9	2100.2	1923.3	1834.9	1773.7
147.5°	2148.0	2164.1	2228.4	2292.7	2228.4	2164.1	2148.0	2043.6	1904.5	1834.9	1785.9
150°	2099.4	2112.4	2164.6	2216.7	2164.6	2112.4	2099.4	2011.2	1893.7	1834.9	1792.2
152.5°	2060.7	2070.5	2109.9	2149.3	2109.9	2070.5	2060.7	1985.4	1885.1	1834.9	1796.4
155°	2014.6	2021.1	2047.2	2073.2	2047.2	2021.1	2014.6	1954.7	1874.8	1834.9	1805.5
157.5°	1974.7	1979.3	1997.5	2015.8	1997.5	1979.3	1974.7	1928.1	1866.0	1834.9	1814.7
160°	1954.7	1957.3	1967.9	1978.4	1967.9	1957.3	1954.7	1914.8	1861.5	1834.9	1818.8
162.5°	1936.0	1938.5	1948.4	1958.4	1948.4	1938.5	1936.0	1902.3	1857.4	1834.9	1823.3
165°	1907.3	1909.9	1920.5	1931.0	1920.5	1909.9	1907.3	1883.2	1851.0	1834.9	1829.6
167.5°	1894.8	1895.9	1900.4	1904.8	1900.4	1895.9	1894.8	1879.0	1857.9	1847.4	1843.0
170°	1894.8	1894.8	1894.8	1894.8	1894.8	1894.8	1894.8	1879.0	1857.9	1847.4	1847.1
172.5°	1884.8	1883.8	1880.0	1876.1	1880.0	1883.8	1884.8	1872.3	1855.7	1847.4	1847.4
175°	1871.1	1871.1	1871.1	1871.1	1871.1	1871.1	1871.1	1863.2	1852.7	1847.4	1849.9
177.5°	1868.6	1867.5	1863.0	1858.6	1863.0	1867.5	1868.6	1862.4	1854.1	1849.9	1851.8
180°	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6	1858.6



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3577.2	3577.2	3577.2	3577.2	3577.2
2.5°	3533.2	3550.1	3560.3	3573.8	3607.6
5°	3397.8	3462.1	3482.4	3533.2	3594.1
7.5°	3100.0	3296.3	3350.4	3472.3	3567.0
10°	2812.3	3008.6	3103.4	3391.0	3533.2
12.5°	2666.8	2781.9	2846.2	3248.9	3485.8
15°	2575.4	2656.7	2704.0	3059.4	3431.7
17.5°	2504.4	2561.9	2595.7	2873.3	3357.2
20°	2460.4	2487.4	2517.9	2737.9	3272.6
22.5°	2429.9	2413.0	2436.7	2643.1	3157.5
25°	2409.6	2345.3	2372.4	2568.7	3022.2
27.5°	2426.5	2284.4	2294.5	2501.0	2880.0
30°	2429.9	2209.9	2213.3	2429.9	2721.0
32.5°	2406.2	2132.1	2135.5	2341.9	2541.6
35°	2348.7	2040.7	2037.3	2240.4	2297.9
37.5°	2270.8	1942.6	1942.6	2128.7	2030.6
40°	2176.1	1844.4	1854.6	1983.2	1793.7
42.5°	2061.0	1739.5	1753.1	1790.3	1617.7
45°	1935.8	1638.0	1648.1	1512.8	1482.3
47.5°	1797.1	1533.1	1536.5	1255.6	1438.3
50°	1631.2	1424.8	1411.2	1076.2	1434.9
52.5°	1485.7	1306.3	1265.7	974.7	1302.9
55°	1343.6	1181.1	1093.1	896.8	1208.2
57.5°	1218.3	1018.7	934.1	805.5	1187.9
60°	1103.3	859.6	795.3	707.3	1089.7
62.5°	1008.5	741.2	727.6	639.6	988.2
65°	907.0	659.9	656.5	582.1	839.3
67.5°	808.8	605.8	602.4	527.9	639.6
70°	703.9	548.3	541.5	470.4	473.8
72.5°	595.6	484.0	477.2	423.0	392.6
75°	487.3	409.5	406.1	368.9	318.1
77.5°	382.4	324.9	331.7	297.8	233.5
80°	274.1	236.9	243.7	213.2	176.0
82.5°	182.8	155.7	162.4	135.4	118.4
85°	101.5	88.0	91.4	71.1	54.1
87.5°	47.4	40.6	40.6	27.1	16.9
90°	54.9	34.9	32.4	22.5	12.5
92.5°	338.5	240.8	219.6	134.7	49.9
95°	832.8	469.0	430.2	275.0	119.8
97.5°	1121.9	515.2	481.0	344.0	207.1
100°	1227.1	553.9	522.8	398.6	274.4
102.5°	1275.3	592.5	563.5	447.7	331.8
105°	1311.0	649.9	625.4	527.2	429.1
107.5°	1317.7	734.7	711.8	620.4	528.9
110°	1307.7	782.1	761.5	678.9	596.3



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1308.1	839.5	819.8	741.1	662.4
115°	1320.2	925.6	907.4	834.8	762.2
117.5°	1344.7	1009.2	992.7	926.7	860.7
120°	1364.7	1057.8	1042.3	980.2	918.1
122.5°	1393.4	1115.2	1099.5	1036.9	974.2
125°	1432.0	1188.8	1174.5	1117.4	1060.3
127.5°	1470.7	1259.9	1245.5	1187.8	1130.2
130°	1499.0	1307.3	1291.8	1229.7	1167.6
132.5°	1521.9	1346.0	1330.5	1268.4	1206.3
135°	1546.8	1390.9	1376.8	1320.2	1263.6
137.5°	1584.2	1448.2	1434.2	1378.3	1322.3
140°	1607.1	1486.9	1474.0	1422.5	1370.9
142.5°	1626.2	1515.6	1503.7	1456.0	1408.3
145°	1651.2	1559.3	1548.9	1507.3	1465.7
147.5°	1687.8	1614.2	1604.1	1563.6	1523.1
150°	1706.8	1642.8	1633.7	1597.1	1560.5
152.5°	1719.4	1661.6	1654.7	1626.9	1599.2
155°	1746.8	1702.7	1697.6	1677.1	1656.6
157.5°	1774.2	1743.9	1738.9	1719.0	1699.0
160°	1786.7	1762.6	1758.7	1743.2	1727.7
162.5°	1800.0	1782.6	1779.7	1768.0	1756.4
165°	1819.1	1811.2	1808.6	1798.0	1787.5
167.5°	1834.1	1827.5	1826.2	1821.2	1816.2
170°	1846.6	1846.2	1844.9	1839.9	1834.9
172.5°	1847.4	1847.4	1847.1	1846.0	1844.9
175°	1854.9	1858.6	1858.6	1858.6	1858.6
177.5°	1855.7	1858.6	1858.6	1858.6	1858.6
180°	1858.6	1858.6	1858.6	1858.6	1858.6



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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	13.94	14.74	14.95	15.76	17.12	16.77	17.58	17.79	18.60	19.96
	3H	14.41	15.13	15.43	16.16	17.54	18.12	18.84	19.14	19.87	21.25
	4H	14.60	15.28	15.63	16.31	17.70	18.56	19.25	19.60	20.28	21.67
	6H	14.71	15.34	15.76	16.38	17.78	18.85	19.47	19.89	20.51	21.91
	8H	14.71	15.31	15.76	16.37	17.76	18.92	19.52	19.97	20.57	21.97
	12H	14.68	15.25	15.74	16.30	17.72	18.96	19.53	20.01	20.57	21.99
4H	2H	14.96	15.65	16.00	16.68	18.07	17.18	17.86	18.22	18.89	20.28
	3H	15.99	16.56	17.03	17.62	19.02	18.68	19.25	19.73	20.31	21.71
	4H	16.26	16.78	17.32	17.83	19.26	19.21	19.73	20.26	20.78	22.20
	6H	16.38	16.83	17.45	17.91	19.32	19.57	20.02	20.64	21.09	22.51
	8H	16.39	16.80	17.45	17.87	19.31	19.68	20.10	20.74	21.16	22.60
	12H	16.35	16.73	17.43	17.81	19.25	19.73	20.11	20.82	21.19	22.63
8H	4H	16.71	17.13	17.78	18.20	19.63	19.33	19.75	20.39	20.81	22.25
	6H	16.97	17.32	18.06	18.42	19.86	19.76	20.11	20.85	21.22	22.65
	8H	17.01	17.32	18.11	18.41	19.86	19.92	20.22	21.01	21.31	22.76
	12H	16.99	17.26	18.09	18.35	19.84	20.01	20.28	21.11	21.37	22.86
12H	4H	16.71	17.09	17.80	18.17	19.61	19.29	19.67	20.37	20.75	22.19
	6H	17.03	17.33	18.13	18.43	19.88	19.76	20.06	20.86	21.16	22.61
	8H	17.09	17.36	18.19	18.45	19.94	19.92	20.19	21.02	21.27	22.77