

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: P935649

Luminaire Tested: SQ4-FA-125U-100D-930-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935649
REPORT IS A COMBINATION OF REPORTS P933761 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-100D-930-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

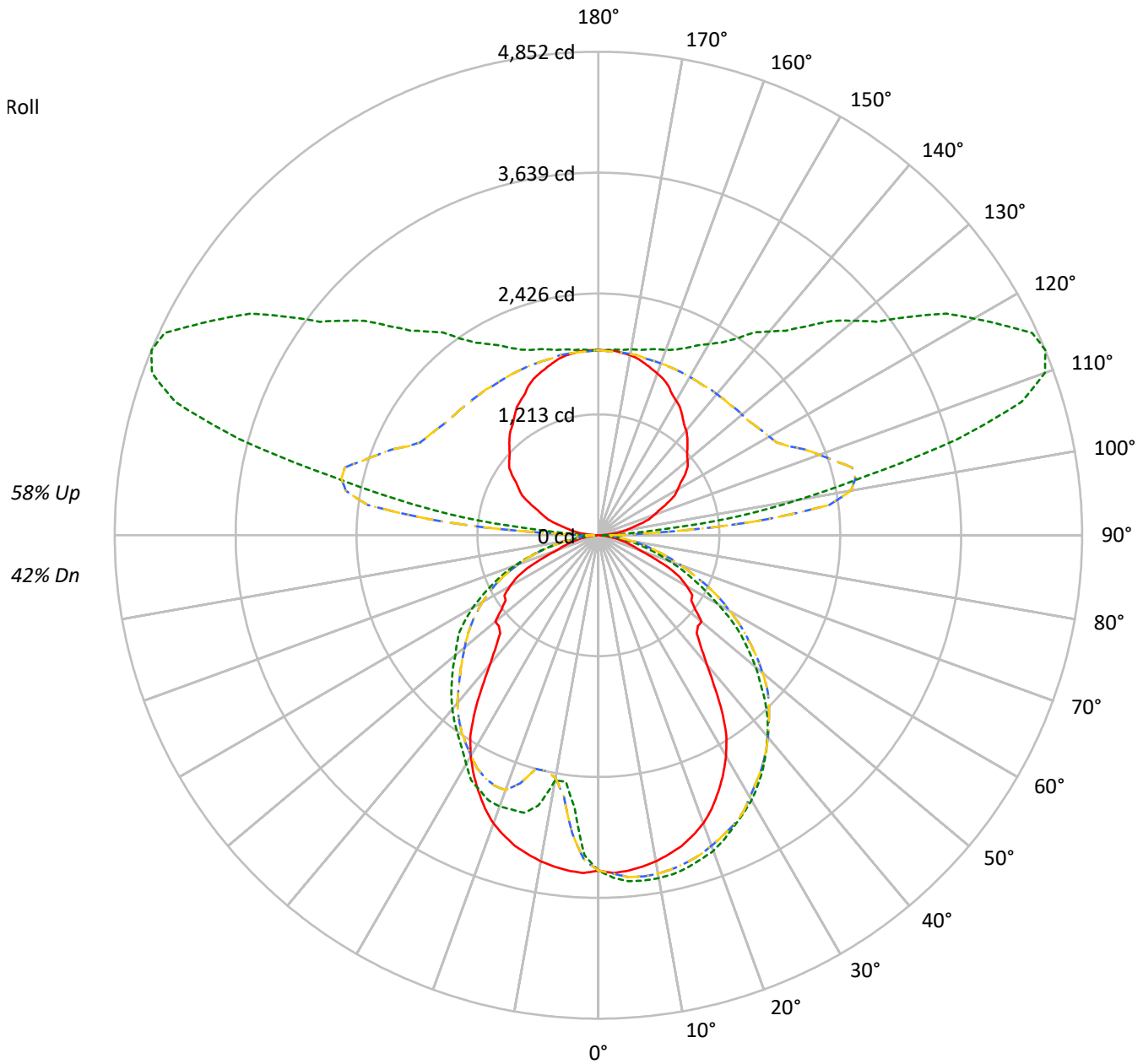
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20777.6 lumens
Efficiency: N/A
Efficacy: 107.5 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: General Diffuse

Input Watts (W): 193.2
Input Voltage (V): NR
Input Current (A_{in}): 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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10406	10406	10406	10406
5°	10488	10505	10488	8260
10°	10421	10347	10421	7397
15°	10312	10123	10312	8453
20°	10100	9858	10100	8471
25°	9663	9470	9663	8291
30°	9096	9149	9096	7897
35°	8113	8742	8113	7464
40°	6764	8263	6764	7137
45°	6048	7702	6048	6760
50°	6430	7034	6430	6383
55°	6055	6314	6055	6164
60°	6250	5362	6250	5646
65°	5675	4433	5675	4955
70°	3940	3533	3940	4154
75°	3468	2611	3468	3127
80°	2815	1726	2815	1880
85°	1649	914	1649	777

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 9263 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.7	1.5
10°-20°	862.2	4.1
20°-30°	1332.9	6.4
30°-40°	1591.2	7.7
40°-50°	1600.5	7.7
50°-60°	1392.6	6.7
60°-70°	987.4	4.8
70°-80°	522.4	2.5
80°-90°	137.2	0.7
90°-100°	905.9	4.4
100°-110°	2381.7	11.5
110°-120°	2469.5	11.9
120°-130°	1980.9	9.5
130°-140°	1554.3	7.5
140°-150°	1193.0	5.7
150°-160°	859.1	4.1
160°-170°	525.7	2.5
170°-180°	177.6	0.9
0°-30°	2498.8	12.0
0°-40°	4090.0	19.7
0°-60°	7083.1	34.1
0°-90°	8730.1	42.0
90°-120°	5757.1	27.7
90°-150°	10485.2	50.5
90°-180°	12048.0	58.0
0°-180°	20777.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3364	3364	3364	3364	3364	
5°	3380	3485	3380	2740	3380	321
15°	3227	3453	3227	2884	3227	908
25°	2842	3221	2842	2820	2842	1305
35°	2161	2874	2161	2454	2161	1337
45°	1394	2368	1394	2078	1394	1117
55°	1136	1747	1136	1706	1136	1044
65°	789	1054	789	1178	789	754
75°	299	500	299	598	299	315
85°	51	127	51	108	51	69
90°	12	47	12	47	12	12
95°	120	548	120	548	120	133
105°	429	3729	429	3729	429	455
115°	762	4802	762	4802	762	753
125°	1060	3824	1060	3824	1060	941
135°	1264	2967	1264	2967	1264	978
145°	1466	2407	1466	2407	1466	918
155°	1656	2073	1656	2073	1656	761
165°	1787	1931	1787	1931	1787	504
175°	1858	1871	1858	1871	1858	176
180°	1858	1858	1858	1858	1858	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3392.9	3392.9	3412.0	3418.4	3418.4	3408.8	3399.3	3408.8	3437.5	3447.0	3443.8
5°	3380.2	3405.7	3440.7	3447.0	3453.4	3450.3	3443.8	3450.3	3482.0	3488.4	3491.6
7.5°	3354.7	3402.5	3447.0	3456.6	3466.1	3456.6	3453.4	3459.8	3491.6	3497.9	3497.9
10°	3322.9	3389.8	3440.7	3447.0	3456.6	3447.0	3447.0	3459.8	3491.6	3497.9	3501.2
12.5°	3278.3	3370.7	3418.4	3424.8	3437.5	3434.3	3431.1	3443.8	3475.7	3482.0	3482.0
15°	3227.4	3335.7	3380.2	3386.6	3408.8	3402.5	3402.5	3415.2	3450.3	3459.8	3456.6
17.5°	3157.4	3291.1	3342.0	3351.6	3367.5	3364.2	3367.5	3380.2	3412.0	3418.4	3421.6
20°	3077.8	3230.6	3291.1	3300.7	3316.6	3316.6	3316.6	3332.4	3364.2	3377.0	3377.0
22.5°	2969.6	3167.0	3230.6	3237.0	3256.1	3256.1	3262.4	3284.7	3313.3	3316.6	3316.6
25°	2842.3	3096.9	3151.1	3170.2	3189.2	3198.8	3208.3	3221.1	3230.6	3227.4	3230.6
27.5°	2708.6	3007.8	3077.8	3090.6	3116.0	3125.6	3138.3	3141.5	3144.6	3154.2	3147.8
30°	2559.0	2883.7	2988.7	3001.5	3042.8	3049.2	3036.5	3042.8	3058.7	3065.1	3071.5
32.5°	2390.3	2699.0	2896.4	2925.0	2963.2	2944.1	2941.0	2950.5	2976.0	2976.0	2982.3
35°	2161.2	2555.9	2810.5	2836.0	2864.5	2842.3	2855.0	2858.2	2874.1	2883.7	2880.5
37.5°	1909.7	2431.7	2721.4	2740.5	2762.7	2734.1	2753.2	2762.7	2775.5	2769.1	2769.1
40°	1686.9	2237.6	2616.3	2629.0	2648.1	2625.9	2644.9	2651.3	2657.7	2651.3	2648.1
42.5°	1521.4	2024.3	2504.9	2520.9	2508.1	2524.0	2530.3	2543.1	2533.5	2520.9	2520.9
45°	1394.1	1967.0	2383.9	2403.1	2383.9	2409.4	2419.0	2419.0	2390.3	2383.9	2380.8
47.5°	1352.7	1852.4	2263.0	2263.0	2253.5	2285.3	2301.2	2278.9	2250.2	2240.8	2240.8
50°	1349.5	1725.1	2097.5	2084.7	2129.3	2167.5	2151.6	2129.3	2107.1	2072.1	2072.1
52.5°	1225.4	1569.1	1884.2	1932.0	2002.0	2024.3	1998.8	1976.6	1938.4	1922.5	1909.7
55°	1136.2	1406.9	1690.1	1785.6	1858.8	1887.5	1839.7	1817.4	1760.1	1750.5	1744.2
57.5°	1117.2	1171.3	1511.9	1632.8	1722.0	1718.7	1690.1	1648.7	1600.9	1591.5	1588.3
60°	1024.9	846.6	1320.9	1464.1	1556.5	1546.9	1521.4	1483.2	1438.7	1432.3	1425.9
62.5°	929.4	614.3	1104.4	1266.8	1397.3	1394.1	1371.8	1314.5	1282.7	1266.8	1254.0
65°	789.3	515.6	786.1	1053.5	1241.3	1247.7	1199.9	1158.6	1123.6	1104.4	1101.2
67.5°	601.5	420.1	531.5	878.5	1091.8	1085.3	1024.9	1005.8	961.2	951.6	932.6
70°	445.6	280.1	369.2	713.0	945.3	929.4	881.6	859.4	818.0	795.7	783.0
72.5°	369.2	226.0	270.5	553.8	795.7	776.6	735.2	709.8	674.8	655.6	643.0
75°	299.2	238.7	206.9	410.6	646.1	633.4	595.2	569.7	541.1	515.6	518.8
77.5°	219.6	222.8	165.5	302.4	512.5	493.4	471.0	439.2	426.5	401.0	401.0
80°	165.5	175.1	124.1	206.9	369.2	369.2	350.1	327.9	305.5	292.9	292.9
82.5°	111.4	111.4	92.3	130.5	251.4	241.9	229.2	222.8	210.1	203.7	203.7
85°	50.9	63.7	57.3	79.6	136.8	143.3	143.3	136.8	133.7	127.3	130.5
87.5°	15.9	28.7	35.0	44.6	70.0	73.2	76.4	76.4	76.4	79.6	79.6
90°	12.4	22.4	32.4	34.9	54.8	81.4	94.8	84.2	63.2	47.4	47.4
92.5°	49.9	134.7	219.5	240.7	338.5	468.7	533.8	467.8	335.9	237.0	227.6
95°	119.7	274.9	430.2	469.0	832.7	1317.8	1560.3	1392.3	1056.4	804.5	775.9
97.5°	207.0	343.9	480.9	515.1	1121.7	1930.5	2334.9	2228.7	2016.4	1857.2	1802.8
100°	274.4	398.6	522.8	553.8	1226.9	2124.4	2573.1	2580.9	2596.4	2608.1	2543.3
102.5°	331.8	447.7	563.5	592.5	1275.2	2185.4	2640.5	2775.7	3046.3	3249.2	3193.8
105°	429.0	527.2	625.3	649.9	1310.9	2192.3	2633.0	2936.2	3542.7	3997.5	3967.7
107.5°	528.9	620.3	711.8	734.7	1317.6	2094.8	2483.4	2906.3	3752.2	4386.6	4393.9
110°	596.2	678.8	761.4	782.0	1307.5	2008.2	2358.6	2831.5	3777.2	4486.4	4517.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	662.3	741.0	819.7	839.4	1307.9	1932.7	2245.1	2729.1	3696.9	4422.8	4470.5
115°	762.0	834.6	907.3	925.5	1320.1	1846.1	2109.2	2575.4	3507.7	4207.1	4273.2
117.5°	860.7	926.6	992.6	1009.0	1344.5	1791.9	2015.6	2436.4	3277.8	3908.9	3982.2
120°	918.0	980.1	1042.2	1057.7	1364.5	1773.7	1978.2	2362.7	3131.5	3708.2	3779.4
122.5°	974.1	1036.8	1099.4	1115.0	1393.2	1764.1	1949.5	2295.7	2988.0	3507.3	3577.6
125°	1060.2	1117.3	1174.4	1188.7	1431.9	1756.2	1918.3	2212.3	2800.5	3241.6	3306.4
127.5°	1130.1	1187.7	1245.4	1259.7	1470.5	1751.6	1892.1	2144.6	2649.6	3028.4	3083.0
130°	1167.5	1229.6	1291.6	1307.1	1498.8	1754.4	1882.2	2106.9	2556.5	2893.7	2944.1
132.5°	1206.1	1268.2	1330.3	1345.8	1521.7	1756.2	1873.4	2074.6	2477.1	2778.9	2824.2
135°	1263.5	1320.1	1376.6	1390.7	1546.7	1754.6	1858.5	2027.0	2364.0	2616.8	2655.8
137.5°	1322.1	1378.1	1434.1	1448.0	1584.0	1765.3	1856.0	1998.4	2283.3	2497.0	2528.9
140°	1370.7	1422.3	1473.8	1486.8	1606.9	1767.1	1847.2	1970.2	2216.4	2401.0	2430.8
142.5°	1408.1	1455.8	1503.5	1515.4	1626.0	1773.5	1847.2	1955.3	2171.6	2333.7	2359.3
145°	1465.6	1507.2	1548.7	1559.1	1651.0	1773.5	1834.8	1923.2	2100.0	2232.6	2252.0
147.5°	1522.9	1563.4	1603.8	1613.9	1687.6	1785.7	1834.8	1904.3	2043.5	2147.8	2163.8
150°	1560.3	1596.9	1633.5	1642.7	1706.7	1792.1	1834.8	1893.6	2011.0	2099.1	2112.1
152.5°	1599.0	1626.7	1654.5	1661.4	1719.2	1796.2	1834.8	1885.0	1985.3	2060.5	2070.4
155°	1656.3	1676.9	1697.4	1702.5	1746.6	1805.4	1834.8	1874.7	1954.5	2014.3	2020.8
157.5°	1698.8	1718.7	1738.7	1743.7	1774.1	1814.5	1834.8	1865.8	1927.8	1974.4	1979.0
160°	1727.5	1743.0	1758.6	1762.4	1786.5	1818.7	1834.8	1861.4	1914.6	1954.5	1957.2
162.5°	1756.2	1767.8	1779.4	1782.3	1799.8	1823.1	1834.8	1857.3	1902.1	1935.8	1938.3
165°	1787.3	1797.8	1808.4	1811.0	1819.0	1829.5	1834.8	1850.8	1883.0	1907.0	1909.7
167.5°	1816.1	1821.0	1826.0	1827.2	1833.9	1842.8	1847.2	1857.7	1878.8	1894.6	1895.7
170°	1834.8	1839.8	1844.7	1845.9	1846.3	1846.9	1847.2	1857.7	1878.8	1894.6	1894.6
172.5°	1844.7	1845.9	1847.0	1847.2	1847.2	1847.2	1847.2	1855.6	1872.2	1884.6	1883.7
175°	1858.5	1858.5	1858.5	1858.5	1854.7	1849.7	1847.2	1852.5	1863.0	1870.9	1870.9
177.5°	1858.5	1858.5	1858.5	1858.5	1855.6	1851.6	1849.7	1853.9	1862.2	1868.4	1867.3
180°	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3450.3	3440.7	3450.3	3443.8	3447.0	3437.5	3408.8	3399.3	3408.8	3418.4	3418.4
5°	3491.6	3485.3	3491.6	3491.6	3488.4	3482.0	3450.3	3443.8	3450.3	3453.4	3447.0
7.5°	3504.3	3494.8	3504.3	3497.9	3497.9	3491.6	3459.8	3453.4	3456.6	3466.1	3456.6
10°	3504.3	3494.8	3504.3	3501.2	3497.9	3491.6	3459.8	3447.0	3447.0	3456.6	3447.0
12.5°	3488.4	3482.0	3488.4	3482.0	3482.0	3475.7	3443.8	3431.1	3434.3	3437.5	3424.8
15°	3462.9	3453.4	3462.9	3456.6	3459.8	3450.3	3415.2	3402.5	3402.5	3408.8	3386.6
17.5°	3424.8	3412.0	3424.8	3421.6	3418.4	3412.0	3380.2	3367.5	3364.2	3367.5	3351.6
20°	3380.2	3370.7	3380.2	3377.0	3377.0	3364.2	3332.4	3316.6	3316.6	3316.6	3300.7
22.5°	3310.2	3300.7	3310.2	3316.6	3316.6	3313.3	3284.7	3262.4	3256.1	3256.1	3237.0
25°	3230.6	3221.1	3230.6	3230.6	3227.4	3230.6	3221.1	3208.3	3198.8	3189.2	3170.2
27.5°	3154.2	3147.8	3154.2	3147.8	3154.2	3144.6	3141.5	3138.3	3125.6	3116.0	3090.6
30°	3077.8	3071.5	3077.8	3071.5	3065.1	3058.7	3042.8	3036.5	3049.2	3042.8	3001.5
32.5°	2982.3	2976.0	2982.3	2982.3	2976.0	2976.0	2950.5	2941.0	2944.1	2963.2	2925.0
35°	2883.7	2874.1	2883.7	2880.5	2883.7	2874.1	2858.2	2855.0	2842.3	2864.5	2836.0
37.5°	2769.1	2759.5	2769.1	2769.1	2769.1	2775.5	2762.7	2753.2	2734.1	2762.7	2740.5
40°	2651.3	2638.6	2651.3	2648.1	2651.3	2657.7	2651.3	2644.9	2625.9	2648.1	2629.0
42.5°	2517.6	2514.4	2517.6	2520.9	2520.9	2533.5	2543.1	2530.3	2524.0	2508.1	2520.9
45°	2374.4	2368.0	2374.4	2380.8	2383.9	2390.3	2419.0	2419.0	2409.4	2383.9	2403.1
47.5°	2221.7	2205.8	2221.7	2240.8	2240.8	2250.2	2278.9	2301.2	2285.3	2253.5	2263.0
50°	2059.3	2062.5	2059.3	2072.1	2072.1	2107.1	2129.3	2151.6	2167.5	2129.3	2084.7
52.5°	1900.1	1897.0	1900.1	1909.7	1922.5	1938.4	1976.6	1998.8	2024.3	2002.0	1932.0
55°	1741.0	1747.4	1741.0	1744.2	1750.5	1760.1	1817.4	1839.7	1887.5	1858.8	1785.6
57.5°	1581.9	1572.4	1581.9	1588.3	1591.5	1600.9	1648.7	1690.1	1718.7	1722.0	1632.8
60°	1397.3	1384.5	1397.3	1425.9	1432.3	1438.7	1483.2	1521.4	1546.9	1556.5	1464.1
62.5°	1234.9	1212.7	1234.9	1254.0	1266.8	1282.7	1314.5	1371.8	1394.1	1397.3	1266.8
65°	1063.1	1053.5	1063.1	1101.2	1104.4	1123.6	1158.6	1199.9	1247.7	1241.3	1053.5
67.5°	907.1	907.1	907.1	932.6	951.6	961.2	1005.8	1024.9	1085.3	1091.8	878.5
70°	763.9	760.7	763.9	783.0	795.7	818.0	859.4	881.6	929.4	945.3	713.0
72.5°	627.1	623.9	627.1	643.0	655.6	674.8	709.8	735.2	776.6	795.7	553.8
75°	506.1	499.7	506.1	518.8	515.6	541.1	569.7	595.2	633.4	646.1	410.6
77.5°	388.3	388.3	388.3	401.0	401.0	426.5	439.2	471.0	493.4	512.5	302.4
80°	289.6	286.4	289.6	292.9	292.9	305.5	327.9	350.1	369.2	369.2	206.9
82.5°	203.7	197.3	203.7	203.7	203.7	210.1	222.8	229.2	241.9	251.4	130.5
85°	127.3	127.3	127.3	130.5	127.3	133.7	136.8	143.3	143.3	136.8	79.6
87.5°	82.8	79.6	82.8	79.6	79.6	76.4	76.4	76.4	73.2	70.0	44.6
90°	47.4	47.4	47.4	47.4	47.4	63.2	84.2	94.8	81.4	54.8	34.9
92.5°	189.8	152.2	189.8	227.6	237.0	335.9	467.8	533.8	468.7	338.5	240.7
95°	661.8	547.6	661.8	775.9	804.5	1056.4	1392.3	1560.3	1317.8	832.7	469.0
97.5°	1585.5	1368.2	1585.5	1802.8	1857.2	2016.4	2228.7	2334.9	1930.5	1121.7	515.1
100°	2284.5	2025.6	2284.5	2543.3	2608.1	2596.4	2580.9	2573.1	2124.4	1226.9	553.8
102.5°	2972.0	2750.3	2972.0	3193.8	3249.2	3046.3	2775.7	2640.5	2185.4	1275.2	592.5
105°	3848.5	3729.4	3848.5	3967.7	3997.5	3542.7	2936.2	2633.0	2192.3	1310.9	649.9
107.5°	4422.7	4451.5	4422.7	4393.9	4386.6	3752.2	2906.3	2483.4	2094.8	1317.6	734.7
110°	4641.7	4765.8	4641.7	4517.5	4486.4	3777.2	2831.5	2358.6	2008.2	1307.5	782.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4661.2	4851.9	4661.2	4470.5	4422.8	3696.9	2729.1	2245.1	1932.7	1307.9	839.4
115°	4537.6	4802.0	4537.6	4273.2	4207.1	3507.7	2575.4	2109.2	1846.1	1320.1	925.5
117.5°	4275.5	4568.7	4275.5	3982.2	3908.9	3277.8	2436.4	2015.6	1791.9	1344.5	1009.0
120°	4064.3	4349.2	4064.3	3779.4	3708.2	3131.5	2362.7	1978.2	1773.7	1364.5	1057.7
122.5°	3858.7	4139.7	3858.7	3577.6	3507.3	2988.0	2295.7	1949.5	1764.1	1393.2	1115.0
125°	3565.2	3824.1	3565.2	3306.4	3241.6	2800.5	2212.3	1918.3	1756.2	1431.9	1188.7
127.5°	3301.4	3519.8	3301.4	3083.0	3028.4	2649.6	2144.6	1892.1	1751.6	1470.5	1259.7
130°	3145.9	3347.7	3145.9	2944.1	2893.7	2556.5	2106.9	1882.2	1754.4	1498.8	1307.1
132.5°	3004.8	3185.5	3004.8	2824.2	2778.9	2477.1	2074.6	1873.4	1756.2	1521.7	1345.8
135°	2811.5	2967.2	2811.5	2655.8	2616.8	2364.0	2027.0	1858.5	1754.6	1546.7	1390.7
137.5°	2656.4	2783.9	2656.4	2528.9	2497.0	2283.3	1998.4	1856.0	1765.3	1584.0	1448.0
140°	2550.0	2669.2	2550.0	2430.8	2401.0	2216.4	1970.2	1847.2	1767.1	1606.9	1486.8
142.5°	2461.8	2564.4	2461.8	2359.3	2333.7	2171.6	1955.3	1847.2	1773.5	1626.0	1515.4
145°	2329.6	2407.2	2329.6	2252.0	2232.6	2100.0	1923.2	1834.8	1773.5	1651.0	1559.1
147.5°	2228.2	2292.5	2228.2	2163.8	2147.8	2043.5	1904.3	1834.8	1785.7	1687.6	1613.9
150°	2164.3	2216.4	2164.3	2112.1	2099.1	2011.0	1893.6	1834.8	1792.1	1706.7	1642.7
152.5°	2109.7	2149.1	2109.7	2070.4	2060.5	1985.3	1885.0	1834.8	1796.2	1719.2	1661.4
155°	2046.9	2072.9	2046.9	2020.8	2014.3	1954.5	1874.7	1834.8	1805.4	1746.6	1702.5
157.5°	1997.3	2015.6	1997.3	1979.0	1974.4	1927.8	1865.8	1834.8	1814.5	1774.1	1743.7
160°	1967.7	1978.2	1967.7	1957.2	1954.5	1914.6	1861.4	1834.8	1818.7	1786.5	1762.4
162.5°	1948.2	1958.2	1948.2	1938.3	1935.8	1902.1	1857.3	1834.8	1823.1	1799.8	1782.3
165°	1920.2	1930.8	1920.2	1909.7	1907.0	1883.0	1850.8	1834.8	1829.5	1819.0	1811.0
167.5°	1900.1	1904.6	1900.1	1895.7	1894.6	1878.8	1857.7	1847.2	1842.8	1833.9	1827.2
170°	1894.6	1894.6	1894.6	1894.6	1894.6	1878.8	1857.7	1847.2	1846.9	1846.3	1845.9
172.5°	1879.7	1875.9	1879.7	1883.7	1884.6	1872.2	1855.6	1847.2	1847.2	1847.2	1847.2
175°	1870.9	1870.9	1870.9	1870.9	1870.9	1863.0	1852.5	1847.2	1849.7	1854.7	1858.5
177.5°	1862.9	1858.5	1862.9	1867.3	1868.4	1862.2	1853.9	1849.7	1851.6	1855.6	1858.5
180°	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3412.0	3392.9	3392.9	3361.1	3348.3	3338.8	3322.9	3275.2	3262.4	3249.7	3268.8
5°	3440.7	3405.7	3380.2	3322.9	3275.2	3256.1	3195.6	3081.0	3004.6	2947.3	2915.5
7.5°	3447.0	3402.5	3354.7	3265.6	3151.1	3100.1	2915.5	2705.5	2648.1	2597.2	2565.3
10°	3440.7	3389.8	3322.9	3189.2	2918.7	2829.5	2644.9	2508.1	2473.1	2463.5	2473.1
12.5°	3418.4	3370.7	3278.3	3055.6	2676.8	2616.3	2508.1	2428.5	2422.2	2438.1	2524.0
15°	3380.2	3335.7	3227.4	2877.3	2543.1	2498.5	2422.2	2393.5	2428.5	2539.9	2797.7
17.5°	3342.0	3291.1	3157.4	2702.3	2441.3	2409.4	2355.3	2412.6	2609.9	2759.5	2845.5
20°	3291.1	3230.6	3077.8	2574.9	2368.0	2339.4	2313.9	2571.8	2721.4	2775.5	2823.2
22.5°	3230.6	3167.0	2969.6	2485.8	2291.7	2269.4	2285.3	2660.9	2721.4	2759.5	2800.9
25°	3151.1	3096.9	2842.3	2415.8	2231.2	2205.8	2266.2	2651.3	2686.4	2695.9	2778.6
27.5°	3077.8	3007.8	2708.6	2352.1	2158.0	2148.4	2282.1	2609.9	2635.4	2644.9	2734.1
30°	2988.7	2883.7	2559.0	2285.3	2081.6	2078.4	2285.3	2559.0	2552.7	2578.1	2667.2
32.5°	2896.4	2699.0	2390.3	2202.5	2008.4	2005.2	2263.0	2482.6	2476.3	2511.3	2578.1
35°	2810.5	2555.9	2161.2	2107.1	1916.1	1919.3	2208.9	2393.5	2396.7	2428.5	2469.9
37.5°	2721.4	2431.7	1909.7	2002.0	1827.0	1827.0	2135.7	2310.8	2304.4	2313.9	2371.3
40°	2616.3	2237.6	1686.9	1865.1	1744.2	1734.6	2046.6	2221.7	2199.3	2196.2	2275.8
42.5°	2504.9	2024.3	1521.4	1683.7	1648.7	1636.0	1938.4	2113.4	2072.1	2081.6	2183.4
45°	2383.9	1967.0	1394.1	1422.8	1550.0	1540.5	1820.6	1989.3	1960.6	1986.1	2091.2
47.5°	2263.0	1852.4	1352.7	1180.8	1445.0	1441.9	1690.1	1868.3	1852.4	1877.9	1989.3
50°	2097.5	1725.1	1349.5	1012.2	1327.3	1340.0	1534.1	1750.5	1750.5	1772.9	1890.6
52.5°	1884.2	1569.1	1225.4	916.6	1190.4	1228.6	1397.3	1648.7	1655.1	1677.4	1782.4
55°	1690.1	1406.9	1136.2	843.5	1028.1	1110.8	1263.6	1543.7	1556.5	1578.7	1674.2
57.5°	1511.9	1171.3	1117.2	757.6	878.5	958.1	1145.8	1441.9	1448.2	1467.3	1559.6
60°	1320.9	846.6	1024.9	665.2	748.0	808.5	1037.6	1320.9	1343.2	1355.9	1435.4
62.5°	1104.4	614.3	929.4	601.5	684.3	697.1	948.5	1206.3	1234.9	1244.5	1292.3
65°	786.1	515.6	789.3	547.5	617.5	620.6	853.0	1088.5	1114.0	1129.9	1164.9
67.5°	531.5	420.1	601.5	496.5	566.5	569.7	760.7	951.6	986.6	999.4	1021.7
70°	369.2	280.1	445.6	442.5	509.3	515.6	662.1	827.6	859.4	868.9	881.6
72.5°	270.5	226.0	369.2	397.9	448.8	455.1	560.2	687.5	719.3	728.9	735.2
75°	206.9	238.7	299.2	346.9	381.9	385.1	458.4	560.2	582.5	588.8	592.0
77.5°	165.5	222.8	219.6	280.1	311.9	305.5	359.7	432.9	451.9	451.9	451.9
80°	124.1	175.1	165.5	200.5	229.2	222.8	257.8	308.8	315.1	321.4	318.3
82.5°	92.3	111.4	111.4	127.3	152.8	146.4	171.8	200.5	200.5	200.5	206.9
85°	57.3	63.7	50.9	66.8	85.9	82.8	95.5	108.2	111.4	111.4	105.0
87.5°	35.0	28.7	15.9	25.5	38.2	38.2	44.6	47.8	44.6	44.6	44.6
90°	32.4	22.4	12.4	22.4	32.4	34.9	54.8	81.4	94.8	84.2	63.2
92.5°	219.5	134.7	49.9	134.7	219.5	240.7	338.5	468.7	533.8	467.8	335.9
95°	430.2	274.9	119.7	274.9	430.2	469.0	832.7	1317.8	1560.3	1392.3	1056.4
97.5°	480.9	343.9	207.0	343.9	480.9	515.1	1121.7	1930.5	2334.9	2228.7	2016.4
100°	522.8	398.6	274.4	398.6	522.8	553.8	1226.9	2124.4	2573.1	2580.9	2596.4
102.5°	563.5	447.7	331.8	447.7	563.5	592.5	1275.2	2185.4	2640.5	2775.7	3046.3
105°	625.3	527.2	429.0	527.2	625.3	649.9	1310.9	2192.3	2633.0	2936.2	3542.7
107.5°	711.8	620.3	528.9	620.3	711.8	734.7	1317.6	2094.8	2483.4	2906.3	3752.2
110°	761.4	678.8	596.2	678.8	761.4	782.0	1307.5	2008.2	2358.6	2831.5	3777.2



TEST NUMBER: P935649

CATALOG NUMBER: SQ4-FA-125U-100D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	819.7	741.0	662.3	741.0	819.7	839.4	1307.9	1932.7	2245.1	2729.1	3696.9
115°	907.3	834.6	762.0	834.6	907.3	925.5	1320.1	1846.1	2109.2	2575.4	3507.7
117.5°	992.6	926.6	860.7	926.6	992.6	1009.0	1344.5	1791.9	2015.6	2436.4	3277.8
120°	1042.2	980.1	918.0	980.1	1042.2	1057.7	1364.5	1773.7	1978.2	2362.7	3131.5
122.5°	1099.4	1036.8	974.1	1036.8	1099.4	1115.0	1393.2	1764.1	1949.5	2295.7	2988.0
125°	1174.4	1117.3	1060.2	1117.3	1174.4	1188.7	1431.9	1756.2	1918.3	2212.3	2800.5
127.5°	1245.4	1187.7	1130.1	1187.7	1245.4	1259.7	1470.5	1751.6	1892.1	2144.6	2649.6
130°	1291.6	1229.6	1167.5	1229.6	1291.6	1307.1	1498.8	1754.4	1882.2	2106.9	2556.5
132.5°	1330.3	1268.2	1206.1	1268.2	1330.3	1345.8	1521.7	1756.2	1873.4	2074.6	2477.1
135°	1376.6	1320.1	1263.5	1320.1	1376.6	1390.7	1546.7	1754.6	1858.5	2027.0	2364.0
137.5°	1434.1	1378.1	1322.1	1378.1	1434.1	1448.0	1584.0	1765.3	1856.0	1998.4	2283.3
140°	1473.8	1422.3	1370.7	1422.3	1473.8	1486.8	1606.9	1767.1	1847.2	1970.2	2216.4
142.5°	1503.5	1455.8	1408.1	1455.8	1503.5	1515.4	1626.0	1773.5	1847.2	1955.3	2171.6
145°	1548.7	1507.2	1465.6	1507.2	1548.7	1559.1	1651.0	1773.5	1834.8	1923.2	2100.0
147.5°	1603.8	1563.4	1522.9	1563.4	1603.8	1613.9	1687.6	1785.7	1834.8	1904.3	2043.5
150°	1633.5	1596.9	1560.3	1596.9	1633.5	1642.7	1706.7	1792.1	1834.8	1893.6	2011.0
152.5°	1654.5	1626.7	1599.0	1626.7	1654.5	1661.4	1719.2	1796.2	1834.8	1885.0	1985.3
155°	1697.4	1676.9	1656.3	1676.9	1697.4	1702.5	1746.6	1805.4	1834.8	1874.7	1954.5
157.5°	1738.7	1718.7	1698.8	1718.7	1738.7	1743.7	1774.1	1814.5	1834.8	1865.8	1927.8
160°	1758.6	1743.0	1727.5	1743.0	1758.6	1762.4	1786.5	1818.7	1834.8	1861.4	1914.6
162.5°	1779.4	1767.8	1756.2	1767.8	1779.4	1782.3	1799.8	1823.1	1834.8	1857.3	1902.1
165°	1808.4	1797.8	1787.3	1797.8	1808.4	1811.0	1819.0	1829.5	1834.8	1850.8	1883.0
167.5°	1826.0	1821.0	1816.1	1821.0	1826.0	1827.2	1833.9	1842.8	1847.2	1857.7	1878.8
170°	1844.7	1839.8	1834.8	1839.8	1844.7	1845.9	1846.3	1846.9	1847.2	1857.7	1878.8
172.5°	1847.0	1845.9	1844.7	1845.9	1847.0	1847.2	1847.2	1847.2	1847.2	1855.6	1872.2
175°	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1854.7	1849.7	1847.2	1852.5	1863.0
177.5°	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1855.6	1851.6	1849.7	1853.9	1862.2
180°	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5



TEST NUMBER: P935649

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3246.5	3237.0	3249.7	3214.6	3249.7	3237.0	3246.5	3268.8	3249.7	3262.4	3275.2
5°	2848.6	2832.7	2781.8	2740.5	2781.8	2832.7	2848.6	2915.5	2947.3	3004.6	3081.0
7.5°	2546.3	2533.5	2520.9	2495.3	2520.9	2533.5	2546.3	2565.3	2597.2	2648.1	2705.5
10°	2479.4	2482.6	2501.7	2498.5	2501.7	2482.6	2479.4	2473.1	2463.5	2473.1	2508.1
12.5°	2651.3	2679.9	2785.0	2778.6	2785.0	2679.9	2651.3	2524.0	2438.1	2422.2	2428.5
15°	2848.6	2858.2	2880.5	2883.7	2880.5	2858.2	2848.6	2797.7	2539.9	2428.5	2393.5
17.5°	2867.8	2871.0	2886.9	2886.9	2886.9	2871.0	2867.8	2845.5	2759.5	2609.9	2412.6
20°	2851.9	2858.2	2890.0	2896.4	2890.0	2858.2	2851.9	2823.2	2775.5	2721.4	2571.8
22.5°	2845.5	2858.2	2883.7	2880.5	2883.7	2858.2	2845.5	2800.9	2759.5	2721.4	2660.9
25°	2813.6	2813.6	2816.8	2820.0	2816.8	2813.6	2813.6	2778.6	2695.9	2686.4	2651.3
27.5°	2746.8	2753.2	2772.3	2769.1	2772.3	2753.2	2746.8	2734.1	2644.9	2635.4	2609.9
30°	2686.4	2679.9	2664.0	2651.3	2664.0	2679.9	2686.4	2667.2	2578.1	2552.7	2559.0
32.5°	2584.5	2568.6	2552.7	2543.1	2552.7	2568.6	2584.5	2578.1	2511.3	2476.3	2482.6
35°	2463.5	2466.7	2463.5	2454.0	2463.5	2466.7	2463.5	2469.9	2428.5	2396.7	2393.5
37.5°	2377.6	2383.9	2380.8	2368.0	2380.8	2383.9	2377.6	2371.3	2313.9	2304.4	2310.8
40°	2288.5	2291.7	2288.5	2278.9	2288.5	2291.7	2288.5	2275.8	2196.2	2199.3	2221.7
42.5°	2202.5	2199.3	2189.8	2183.4	2189.8	2199.3	2202.5	2183.4	2081.6	2072.1	2113.4
45°	2103.9	2107.1	2088.0	2078.4	2088.0	2107.1	2103.9	2091.2	1986.1	1960.6	1989.3
47.5°	2005.2	2005.2	1989.3	1979.7	1989.3	2005.2	2005.2	1989.3	1877.9	1852.4	1868.3
50°	1900.1	1897.0	1874.7	1871.6	1874.7	1897.0	1900.1	1890.6	1772.9	1750.5	1750.5
52.5°	1779.2	1779.2	1782.4	1788.8	1782.4	1779.2	1779.2	1782.4	1677.4	1655.1	1648.7
55°	1674.2	1677.4	1699.6	1706.0	1699.6	1677.4	1674.2	1674.2	1578.7	1556.5	1543.7
57.5°	1565.9	1565.9	1581.9	1581.9	1581.9	1565.9	1565.9	1559.6	1467.3	1448.2	1441.9
60°	1441.9	1448.2	1460.9	1457.8	1460.9	1448.2	1441.9	1435.4	1355.9	1343.2	1320.9
62.5°	1311.3	1317.7	1320.9	1314.5	1320.9	1317.7	1311.3	1292.3	1244.5	1234.9	1206.3
65°	1174.5	1180.8	1184.0	1177.7	1184.0	1180.8	1174.5	1164.9	1129.9	1114.0	1088.5
67.5°	1034.4	1031.2	1028.1	1040.8	1028.1	1031.2	1034.4	1021.7	999.4	986.6	951.6
70°	891.2	891.2	888.0	894.4	888.0	891.2	891.2	881.6	868.9	859.4	827.6
72.5°	738.4	735.2	748.0	738.4	748.0	735.2	738.4	735.2	728.9	719.3	687.5
75°	588.8	595.2	588.8	598.4	588.8	595.2	588.8	592.0	588.8	582.5	560.2
77.5°	448.8	455.1	448.8	448.8	448.8	455.1	448.8	451.9	451.9	451.9	432.9
80°	318.3	315.1	315.1	311.9	315.1	315.1	318.3	318.3	321.4	315.1	308.8
82.5°	203.7	200.5	200.5	206.9	200.5	200.5	203.7	206.9	200.5	200.5	200.5
85°	111.4	114.6	108.2	108.2	108.2	114.6	111.4	105.0	111.4	111.4	108.2
87.5°	41.4	38.2	38.2	38.2	38.2	38.2	41.4	44.6	44.6	44.6	47.8
90°	47.4	47.4	47.4	47.4	47.4	47.4	47.4	63.2	84.2	94.8	81.4
92.5°	237.0	227.6	189.8	152.2	189.8	227.6	237.0	335.9	467.8	533.8	468.7
95°	804.5	775.9	661.8	547.6	661.8	775.9	804.5	1056.4	1392.3	1560.3	1317.8
97.5°	1857.2	1802.8	1585.5	1368.2	1585.5	1802.8	1857.2	2016.4	2228.7	2334.9	1930.5
100°	2608.1	2543.3	2284.5	2025.6	2284.5	2543.3	2608.1	2596.4	2580.9	2573.1	2124.4
102.5°	3249.2	3193.8	2972.0	2750.3	2972.0	3193.8	3249.2	3046.3	2775.7	2640.5	2185.4
105°	3997.5	3967.7	3848.5	3729.4	3848.5	3967.7	3997.5	3542.7	2936.2	2633.0	2192.3
107.5°	4386.6	4393.9	4422.7	4451.5	4422.7	4393.9	4386.6	3752.2	2906.3	2483.4	2094.8
110°	4486.4	4517.5	4641.7	4765.8	4641.7	4517.5	4486.4	3777.2	2831.5	2358.6	2008.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4422.8	4470.5	4661.2	4851.9	4661.2	4470.5	4422.8	3696.9	2729.1	2245.1	1932.7
115°	4207.1	4273.2	4537.6	4802.0	4537.6	4273.2	4207.1	3507.7	2575.4	2109.2	1846.1
117.5°	3908.9	3982.2	4275.5	4568.7	4275.5	3982.2	3908.9	3277.8	2436.4	2015.6	1791.9
120°	3708.2	3779.4	4064.3	4349.2	4064.3	3779.4	3708.2	3131.5	2362.7	1978.2	1773.7
122.5°	3507.3	3577.6	3858.7	4139.7	3858.7	3577.6	3507.3	2988.0	2295.7	1949.5	1764.1
125°	3241.6	3306.4	3565.2	3824.1	3565.2	3306.4	3241.6	2800.5	2212.3	1918.3	1756.2
127.5°	3028.4	3083.0	3301.4	3519.8	3301.4	3083.0	3028.4	2649.6	2144.6	1892.1	1751.6
130°	2893.7	2944.1	3145.9	3347.7	3145.9	2944.1	2893.7	2556.5	2106.9	1882.2	1754.4
132.5°	2778.9	2824.2	3004.8	3185.5	3004.8	2824.2	2778.9	2477.1	2074.6	1873.4	1756.2
135°	2616.8	2655.8	2811.5	2967.2	2811.5	2655.8	2616.8	2364.0	2027.0	1858.5	1754.6
137.5°	2497.0	2528.9	2656.4	2783.9	2656.4	2528.9	2497.0	2283.3	1998.4	1856.0	1765.3
140°	2401.0	2430.8	2550.0	2669.2	2550.0	2430.8	2401.0	2216.4	1970.2	1847.2	1767.1
142.5°	2333.7	2359.3	2461.8	2564.4	2461.8	2359.3	2333.7	2171.6	1955.3	1847.2	1773.5
145°	2232.6	2252.0	2329.6	2407.2	2329.6	2252.0	2232.6	2100.0	1923.2	1834.8	1773.5
147.5°	2147.8	2163.8	2228.2	2292.5	2228.2	2163.8	2147.8	2043.5	1904.3	1834.8	1785.7
150°	2099.1	2112.1	2164.3	2216.4	2164.3	2112.1	2099.1	2011.0	1893.6	1834.8	1792.1
152.5°	2060.5	2070.4	2109.7	2149.1	2109.7	2070.4	2060.5	1985.3	1885.0	1834.8	1796.2
155°	2014.3	2020.8	2046.9	2072.9	2046.9	2020.8	2014.3	1954.5	1874.7	1834.8	1805.4
157.5°	1974.4	1979.0	1997.3	2015.6	1997.3	1979.0	1974.4	1927.8	1865.8	1834.8	1814.5
160°	1954.5	1957.2	1967.7	1978.2	1967.7	1957.2	1954.5	1914.6	1861.4	1834.8	1818.7
162.5°	1935.8	1938.3	1948.2	1958.2	1948.2	1938.3	1935.8	1902.1	1857.3	1834.8	1823.1
165°	1907.0	1909.7	1920.2	1930.8	1920.2	1909.7	1907.0	1883.0	1850.8	1834.8	1829.5
167.5°	1894.6	1895.7	1900.1	1904.6	1900.1	1895.7	1894.6	1878.8	1857.7	1847.2	1842.8
170°	1894.6	1894.6	1894.6	1894.6	1894.6	1894.6	1894.6	1878.8	1857.7	1847.2	1846.9
172.5°	1884.6	1883.7	1879.7	1875.9	1879.7	1883.7	1884.6	1872.2	1855.6	1847.2	1847.2
175°	1870.9	1870.9	1870.9	1870.9	1870.9	1870.9	1870.9	1863.0	1852.5	1847.2	1849.7
177.5°	1868.4	1867.3	1862.9	1858.5	1862.9	1867.3	1868.4	1862.2	1853.9	1849.7	1851.6
180°	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3322.9	3338.8	3348.3	3361.1	3392.9
5°	3195.6	3256.1	3275.2	3322.9	3380.2
7.5°	2915.5	3100.1	3151.1	3265.6	3354.7
10°	2644.9	2829.5	2918.7	3189.2	3322.9
12.5°	2508.1	2616.3	2676.8	3055.6	3278.3
15°	2422.2	2498.5	2543.1	2877.3	3227.4
17.5°	2355.3	2409.4	2441.3	2702.3	3157.4
20°	2313.9	2339.4	2368.0	2574.9	3077.8
22.5°	2285.3	2269.4	2291.7	2485.8	2969.6
25°	2266.2	2205.8	2231.2	2415.8	2842.3
27.5°	2282.1	2148.4	2158.0	2352.1	2708.6
30°	2285.3	2078.4	2081.6	2285.3	2559.0
32.5°	2263.0	2005.2	2008.4	2202.5	2390.3
35°	2208.9	1919.3	1916.1	2107.1	2161.2
37.5°	2135.7	1827.0	1827.0	2002.0	1909.7
40°	2046.6	1734.6	1744.2	1865.1	1686.9
42.5°	1938.4	1636.0	1648.7	1683.7	1521.4
45°	1820.6	1540.5	1550.0	1422.8	1394.1
47.5°	1690.1	1441.9	1445.0	1180.8	1352.7
50°	1534.1	1340.0	1327.3	1012.2	1349.5
52.5°	1397.3	1228.6	1190.4	916.6	1225.4
55°	1263.6	1110.8	1028.1	843.5	1136.2
57.5°	1145.8	958.1	878.5	757.6	1117.2
60°	1037.6	808.5	748.0	665.2	1024.9
62.5°	948.5	697.1	684.3	601.5	929.4
65°	853.0	620.6	617.5	547.5	789.3
67.5°	760.7	569.7	566.5	496.5	601.5
70°	662.1	515.6	509.3	442.5	445.6
72.5°	560.2	455.1	448.8	397.9	369.2
75°	458.4	385.1	381.9	346.9	299.2
77.5°	359.7	305.5	311.9	280.1	219.6
80°	257.8	222.8	229.2	200.5	165.5
82.5°	171.8	146.4	152.8	127.3	111.4
85°	95.5	82.8	85.9	66.8	50.9
87.5°	44.6	38.2	38.2	25.5	15.9
90°	54.8	34.9	32.4	22.4	12.4
92.5°	338.5	240.7	219.5	134.7	49.9
95°	832.7	469.0	430.2	274.9	119.7
97.5°	1121.7	515.1	480.9	343.9	207.0
100°	1226.9	553.8	522.8	398.6	274.4
102.5°	1275.2	592.5	563.5	447.7	331.8
105°	1310.9	649.9	625.3	527.2	429.0
107.5°	1317.6	734.7	711.8	620.3	528.9
110°	1307.5	782.0	761.4	678.8	596.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1307.9	839.4	819.7	741.0	662.3
115°	1320.1	925.5	907.3	834.6	762.0
117.5°	1344.5	1009.0	992.6	926.6	860.7
120°	1364.5	1057.7	1042.2	980.1	918.0
122.5°	1393.2	1115.0	1099.4	1036.8	974.1
125°	1431.9	1188.7	1174.4	1117.3	1060.2
127.5°	1470.5	1259.7	1245.4	1187.7	1130.1
130°	1498.8	1307.1	1291.6	1229.6	1167.5
132.5°	1521.7	1345.8	1330.3	1268.2	1206.1
135°	1546.7	1390.7	1376.6	1320.1	1263.5
137.5°	1584.0	1448.0	1434.1	1378.1	1322.1
140°	1606.9	1486.8	1473.8	1422.3	1370.7
142.5°	1626.0	1515.4	1503.5	1455.8	1408.1
145°	1651.0	1559.1	1548.7	1507.2	1465.6
147.5°	1687.6	1613.9	1603.8	1563.4	1522.9
150°	1706.7	1642.7	1633.5	1596.9	1560.3
152.5°	1719.2	1661.4	1654.5	1626.7	1599.0
155°	1746.6	1702.5	1697.4	1676.9	1656.3
157.5°	1774.1	1743.7	1738.7	1718.7	1698.8
160°	1786.5	1762.4	1758.6	1743.0	1727.5
162.5°	1799.8	1782.3	1779.4	1767.8	1756.2
165°	1819.0	1811.0	1808.4	1797.8	1787.3
167.5°	1833.9	1827.2	1826.0	1821.0	1816.1
170°	1846.3	1845.9	1844.7	1839.8	1834.8
172.5°	1847.2	1847.2	1847.0	1845.9	1844.7
175°	1854.7	1858.5	1858.5	1858.5	1858.5
177.5°	1855.6	1858.5	1858.5	1858.5	1858.5
180°	1858.5	1858.5	1858.5	1858.5	1858.5



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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	12.16	12.96	13.19	13.99	15.37	15.02	15.81	16.04	16.84	18.22
	3H	12.64	13.35	13.67	14.39	15.79	16.36	17.07	17.40	18.11	19.51
	4H	12.82	13.50	13.87	14.54	15.95	16.81	17.48	17.85	18.52	19.93
	6H	12.94	13.56	13.99	14.61	16.03	17.10	17.72	18.15	18.76	20.18
	8H	12.94	13.53	14.00	14.59	16.01	17.17	17.76	18.23	18.82	20.24
	12H	12.91	13.47	13.97	14.52	15.96	17.21	17.77	18.28	18.83	20.27
4H	2H	13.19	13.87	14.25	14.91	16.32	15.42	16.09	16.47	17.13	18.54
	3H	14.21	14.78	15.27	15.85	17.27	16.92	17.48	17.98	18.55	19.97
	4H	14.49	15.00	15.55	16.06	17.51	17.45	17.97	18.52	19.03	20.47
	6H	14.61	15.05	15.68	16.14	17.57	17.82	18.26	18.89	19.34	20.78
	8H	14.61	15.03	15.69	16.10	17.56	17.93	18.34	19.00	19.42	20.87
	12H	14.58	14.95	15.67	16.04	17.50	17.98	18.36	19.08	19.45	20.91
8H	4H	14.94	15.35	16.02	16.43	17.88	17.57	17.98	18.65	19.06	20.51
	6H	15.20	15.54	16.30	16.66	18.11	18.01	18.35	19.11	19.47	20.92
	8H	15.24	15.54	16.35	16.64	18.11	18.16	18.46	19.27	19.56	21.03
	12H	15.22	15.48	16.33	16.58	18.09	18.26	18.53	19.37	19.62	21.13
12H	4H	14.94	15.32	16.04	16.41	17.87	17.53	17.90	18.62	18.99	20.45
	6H	15.26	15.56	16.36	16.66	18.13	18.01	18.30	19.11	19.41	20.88
	8H	15.32	15.59	16.43	16.68	18.19	18.17	18.43	19.28	19.53	21.04