

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: P936148

Luminaire Tested: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-6500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936148
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-92765-1D-UNV-STD-W-8-6500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

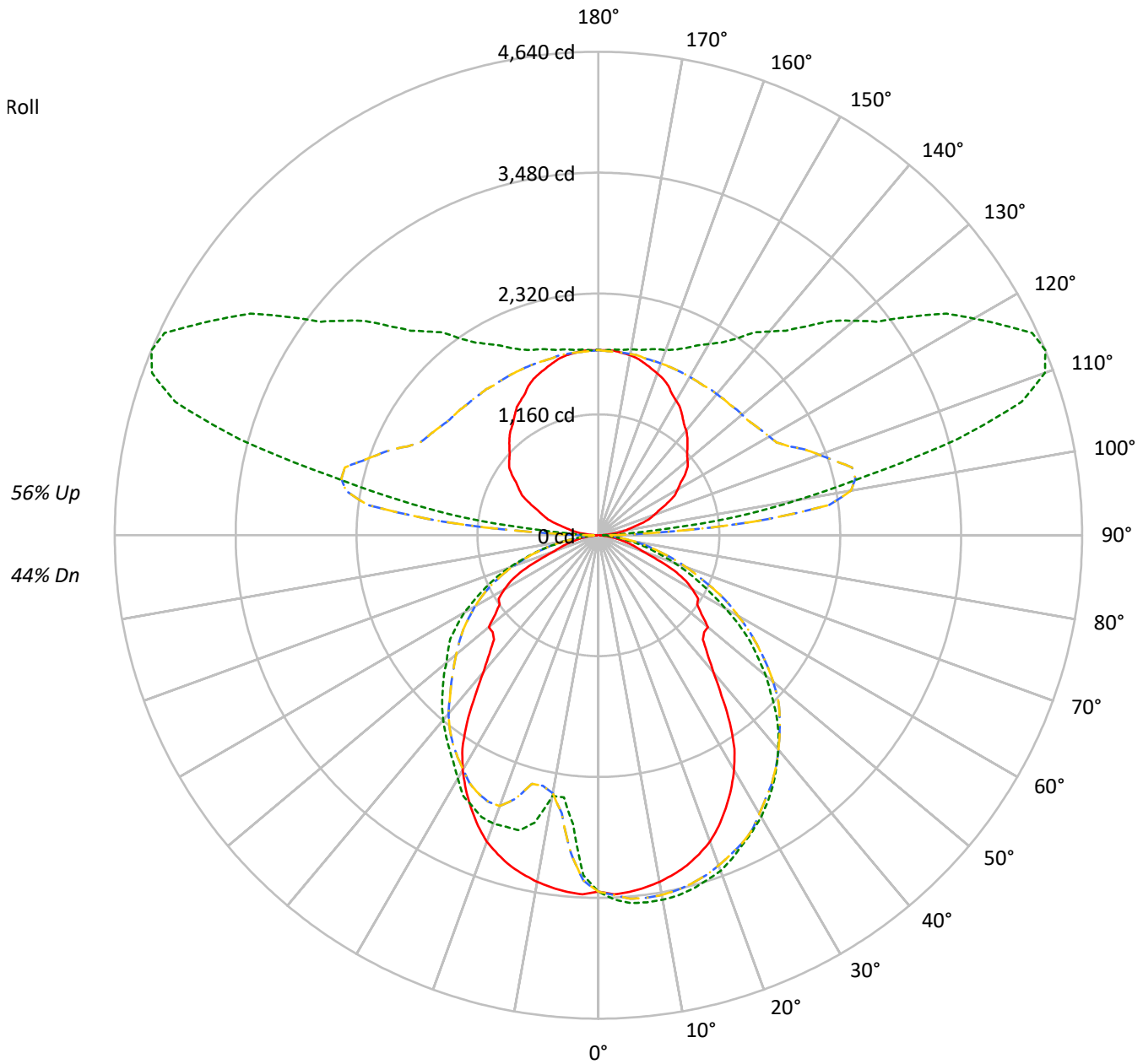
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20396.5 lumens
Efficiency: N/A
Efficacy: 122.6 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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CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-6500K

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15870	15870	15870	15870
5°	15988	16020	15988	12597
10°	15881	15780	15881	11282
15°	15709	15438	15709	12892
20°	15380	15033	15380	12918
25°	14708	14443	14708	12644
30°	13839	13952	13839	12044
35°	12337	13332	12337	11383
40°	10280	12602	10280	10884
45°	9185	11747	9185	10310
50°	9758	10727	9758	9734
55°	9181	9629	9181	9401
60°	9464	8178	9464	8610
65°	8580	6760	8580	7556
70°	5941	5387	5941	6334
75°	5210	3982	5210	4768
80°	4199	2633	4199	2867
85°	2408	1395	2408	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14078 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.8	1.5
10°-20°	876.6	4.3
20°-30°	1355.1	6.6
30°-40°	1617.8	7.9
40°-50°	1627.2	8.0
50°-60°	1415.9	6.9
60°-70°	1003.9	4.9
70°-80°	531.1	2.6
80°-90°	139.1	0.7
90°-100°	866.3	4.2
100°-110°	2277.6	11.2
110°-120°	2361.6	11.6
120°-130°	1894.3	9.3
130°-140°	1486.3	7.3
140°-150°	1140.8	5.6
150°-160°	821.6	4.0
160°-170°	502.7	2.5
170°-180°	169.8	0.8
0°-30°	2540.5	12.5
0°-40°	4158.3	20.4
0°-60°	7201.4	35.3
0°-90°	8875.5	43.5
90°-120°	5505.5	27.0
90°-150°	10027.0	49.2
90°-180°	11521.0	56.5
0°-180°	20396.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3420	3420	3420	3420	3420	
5°	3437	3544	3437	2786	3437	326
15°	3281	3511	3281	2932	3281	923
25°	2890	3275	2890	2867	2890	1327
35°	2197	2922	2197	2495	2197	1359
45°	1417	2408	1417	2113	1417	1135
55°	1155	1777	1155	1734	1155	1062
65°	802	1071	802	1197	802	767
75°	304	508	304	608	304	320
85°	52	130	52	110	52	70
90°	12	45	12	45	12	12
95°	115	524	115	524	115	127
105°	410	3566	410	3566	410	435
115°	729	4592	729	4592	729	720
125°	1014	3657	1014	3657	1014	900
135°	1208	2838	1208	2838	1208	935
145°	1402	2302	1402	2302	1402	878
155°	1584	1982	1584	1982	1584	728
165°	1709	1846	1709	1846	1709	482
175°	1777	1789	1777	1789	1777	169
180°	1777	1777	1777	1777	1777	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5
2.5°	3449.6	3449.6	3469.0	3475.5	3475.5	3465.8	3456.1	3465.8	3494.9	3504.6	3501.4
5°	3436.7	3462.6	3498.1	3504.6	3511.0	3507.9	3501.4	3507.9	3540.2	3546.7	3550.0
7.5°	3410.7	3459.3	3504.6	3514.3	3524.0	3514.3	3511.0	3517.5	3550.0	3556.4	3556.4
10°	3378.4	3446.4	3498.1	3504.6	3514.3	3504.6	3504.6	3517.5	3550.0	3556.4	3559.6
12.5°	3333.1	3426.9	3475.5	3482.0	3494.9	3491.6	3488.5	3501.4	3533.7	3540.2	3540.2
15°	3281.4	3391.3	3436.7	3443.2	3465.8	3459.3	3459.3	3472.2	3507.9	3517.5	3514.3
17.5°	3210.1	3346.0	3397.8	3407.5	3423.7	3420.5	3423.7	3436.7	3469.0	3475.5	3478.7
20°	3129.2	3284.5	3346.0	3355.8	3371.9	3371.9	3371.9	3388.1	3420.5	3433.4	3433.4
22.5°	3019.2	3219.9	3284.5	3291.0	3310.4	3310.4	3316.9	3339.6	3368.7	3371.9	3371.9
25°	2889.8	3148.6	3203.6	3223.0	3242.5	3252.2	3262.0	3274.9	3284.5	3281.4	3284.5
27.5°	2753.8	3058.0	3129.2	3142.1	3168.1	3177.8	3190.7	3194.0	3197.2	3206.9	3200.4
30°	2601.8	2931.9	3038.6	3051.6	3093.7	3100.1	3087.2	3093.7	3109.8	3116.3	3122.7
32.5°	2430.3	2744.2	2944.8	2974.0	3012.8	2993.4	2990.1	2999.8	3025.7	3025.7	3032.2
35°	2197.2	2598.6	2857.4	2883.3	2912.4	2889.8	2902.7	2906.0	2922.1	2931.9	2928.6
37.5°	1941.6	2472.3	2766.8	2786.3	2808.9	2779.7	2799.2	2808.9	2821.8	2815.3	2815.3
40°	1715.1	2274.9	2660.0	2672.9	2692.4	2669.7	2689.1	2695.6	2702.1	2695.6	2692.4
42.5°	1546.8	2058.1	2546.7	2562.9	2550.0	2566.1	2572.6	2585.5	2575.9	2562.9	2562.9
45°	1417.4	1999.9	2423.8	2443.2	2423.8	2449.7	2459.4	2459.4	2430.3	2423.8	2420.5
47.5°	1375.3	1883.3	2300.8	2300.8	2291.1	2323.5	2339.6	2317.0	2287.9	2278.1	2278.1
50°	1372.0	1753.9	2132.5	2119.6	2164.9	2203.7	2187.6	2164.9	2142.3	2106.7	2106.7
52.5°	1245.8	1595.3	1915.7	1964.3	2035.4	2058.1	2032.2	2009.5	1970.7	1954.6	1941.6
55°	1155.3	1430.4	1718.4	1815.4	1889.8	1919.0	1870.4	1847.7	1789.5	1779.9	1773.4
57.5°	1135.9	1190.8	1537.1	1660.0	1750.7	1747.4	1718.4	1676.3	1627.7	1618.0	1614.8
60°	1042.0	860.8	1343.0	1488.6	1582.4	1572.7	1546.8	1508.0	1462.7	1456.2	1449.8
62.5°	944.9	624.6	1122.9	1287.9	1420.6	1417.4	1394.7	1336.5	1304.2	1287.9	1275.0
65°	802.5	524.3	799.3	1071.1	1262.1	1268.5	1220.0	1177.9	1142.3	1122.9	1119.7
67.5°	611.6	427.1	540.4	893.2	1109.9	1103.4	1042.0	1022.6	977.3	967.6	948.2
70°	453.0	284.8	375.4	724.9	961.1	944.9	896.3	873.8	831.7	809.0	796.0
72.5°	375.4	229.8	275.1	563.1	809.0	789.6	747.6	721.6	686.1	666.7	653.7
75°	304.2	242.7	210.4	417.5	656.9	644.0	605.2	579.3	550.1	524.3	527.4
77.5°	223.3	226.5	168.3	307.4	521.0	501.6	479.0	446.5	433.6	407.7	407.7
80°	168.3	177.9	126.2	210.4	375.4	375.4	356.0	333.3	310.7	297.8	297.8
82.5°	113.2	113.2	93.8	132.7	255.7	245.9	233.0	226.5	213.6	207.1	207.1
85°	51.7	64.7	58.2	80.9	139.1	145.6	145.6	139.1	135.9	129.5	132.7
87.5°	16.2	29.2	35.6	45.3	71.2	74.4	77.6	77.6	77.6	80.9	80.9
90°	12.0	21.5	31.0	33.4	52.5	77.9	90.6	80.6	60.4	45.3	45.3
92.5°	47.7	128.8	210.0	230.3	323.7	448.3	510.5	447.4	321.3	226.6	217.6
95°	114.6	263.0	411.4	448.5	796.3	1260.2	1492.1	1331.5	1010.3	769.4	742.0
97.5°	198.0	328.9	459.9	492.6	1072.8	1846.2	2232.9	2131.4	1928.4	1776.0	1724.1
100°	262.4	381.1	499.9	529.6	1173.3	2031.5	2460.7	2468.1	2482.9	2494.0	2432.2
102.5°	317.3	428.1	538.8	566.5	1219.4	2089.9	2525.1	2654.5	2913.1	3107.1	3054.2
105°	410.3	504.1	598.0	621.4	1253.6	2096.5	2517.9	2808.0	3387.9	3822.9	3794.4
107.5°	505.7	593.2	680.6	702.5	1260.0	2003.2	2374.8	2779.3	3588.3	4195.0	4201.9
110°	570.2	649.2	728.1	747.8	1250.4	1920.5	2255.6	2707.7	3612.1	4290.4	4320.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	633.4	708.6	783.9	802.7	1250.8	1848.2	2146.9	2609.7	3535.3	4229.5	4275.1
115°	728.8	798.2	867.6	885.1	1262.4	1765.4	2017.0	2462.8	3354.4	4023.2	4086.4
117.5°	823.0	886.1	949.2	965.0	1285.8	1713.6	1927.5	2329.9	3134.6	3738.1	3808.2
120°	877.9	937.3	996.6	1011.5	1304.9	1696.1	1891.7	2259.4	2994.7	3546.1	3614.2
122.5°	931.5	991.5	1051.3	1066.3	1332.4	1687.0	1864.3	2195.3	2857.5	3354.0	3421.3
125°	1013.9	1068.5	1123.0	1136.7	1369.3	1679.4	1834.5	2115.7	2678.1	3100.0	3161.8
127.5°	1080.7	1135.8	1190.9	1204.7	1406.3	1675.1	1809.4	2050.8	2533.8	2896.0	2948.2
130°	1116.5	1175.8	1235.2	1250.0	1433.3	1677.6	1799.8	2014.8	2444.8	2767.2	2815.5
132.5°	1153.5	1212.8	1272.2	1287.0	1455.2	1679.5	1791.5	1983.9	2368.8	2657.5	2700.7
135°	1208.2	1262.4	1316.5	1330.0	1479.0	1677.8	1777.2	1938.4	2260.7	2502.5	2539.6
137.5°	1264.4	1317.9	1371.4	1384.8	1514.8	1688.2	1774.9	1911.1	2183.6	2387.9	2418.4
140°	1310.8	1360.2	1409.4	1421.8	1536.7	1689.9	1766.5	1884.2	2119.6	2296.1	2324.6
142.5°	1346.6	1392.2	1437.8	1449.2	1555.0	1696.0	1766.5	1869.8	2076.6	2231.7	2256.1
145°	1401.5	1441.3	1481.0	1491.0	1578.9	1696.0	1754.5	1839.0	2008.2	2135.1	2153.6
147.5°	1456.4	1495.1	1533.8	1543.5	1613.9	1707.7	1754.5	1821.1	1954.1	2053.9	2069.3
150°	1492.1	1527.1	1562.1	1570.8	1632.0	1713.7	1754.5	1810.7	1923.1	2007.4	2019.9
152.5°	1529.1	1555.6	1582.2	1588.8	1644.1	1717.7	1754.5	1802.5	1898.4	1970.4	1979.8
155°	1584.0	1603.6	1623.2	1628.1	1670.3	1726.4	1754.5	1792.7	1869.1	1926.3	1932.6
157.5°	1624.6	1643.7	1662.7	1667.5	1696.5	1735.2	1754.5	1784.3	1843.6	1888.2	1892.6
160°	1652.0	1666.8	1681.7	1685.4	1708.4	1739.1	1754.5	1780.0	1830.9	1869.1	1871.6
162.5°	1679.5	1690.5	1701.7	1704.5	1721.1	1743.4	1754.5	1776.0	1819.0	1851.2	1853.6
165°	1709.2	1719.2	1729.4	1731.9	1739.4	1749.5	1754.5	1769.9	1800.7	1823.7	1826.2
167.5°	1736.6	1741.4	1746.2	1747.4	1753.8	1762.3	1766.5	1776.5	1796.7	1811.8	1812.8
170°	1754.5	1759.3	1764.1	1765.3	1765.7	1766.2	1766.5	1776.5	1796.7	1811.8	1811.8
172.5°	1764.1	1765.1	1766.2	1766.5	1766.5	1766.5	1766.5	1774.4	1790.3	1802.2	1801.3
175°	1777.2	1777.2	1777.2	1777.2	1773.6	1768.9	1766.5	1771.5	1781.6	1789.1	1789.1
177.5°	1777.2	1777.2	1777.2	1777.2	1774.4	1770.7	1768.9	1772.9	1780.8	1786.7	1785.7
180°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5
2.5°	3507.9	3498.1	3507.9	3501.4	3504.6	3494.9	3465.8	3456.1	3465.8	3475.5	3475.5
5°	3550.0	3543.5	3550.0	3550.0	3546.7	3540.2	3507.9	3501.4	3507.9	3511.0	3504.6
7.5°	3562.9	3553.1	3562.9	3556.4	3556.4	3550.0	3517.5	3511.0	3514.3	3524.0	3514.3
10°	3562.9	3553.1	3562.9	3559.6	3556.4	3550.0	3517.5	3504.6	3504.6	3514.3	3504.6
12.5°	3546.7	3540.2	3546.7	3540.2	3540.2	3533.7	3501.4	3488.5	3491.6	3494.9	3482.0
15°	3520.8	3511.0	3520.8	3514.3	3517.5	3507.9	3472.2	3459.3	3459.3	3465.8	3443.2
17.5°	3482.0	3469.0	3482.0	3478.7	3475.5	3469.0	3436.7	3423.7	3420.5	3423.7	3407.5
20°	3436.7	3426.9	3436.7	3433.4	3433.4	3420.5	3388.1	3371.9	3371.9	3371.9	3355.8
22.5°	3365.4	3355.8	3365.4	3371.9	3371.9	3368.7	3339.6	3316.9	3310.4	3310.4	3291.0
25°	3284.5	3274.9	3284.5	3284.5	3281.4	3284.5	3274.9	3262.0	3252.2	3242.5	3223.0
27.5°	3206.9	3200.4	3206.9	3200.4	3206.9	3197.2	3194.0	3190.7	3177.8	3168.1	3142.1
30°	3129.2	3122.7	3129.2	3122.7	3116.3	3109.8	3093.7	3087.2	3100.1	3093.7	3051.6
32.5°	3032.2	3025.7	3032.2	3032.2	3025.7	3025.7	2999.8	2990.1	2993.4	3012.8	2974.0
35°	2931.9	2922.1	2931.9	2928.6	2931.9	2922.1	2906.0	2902.7	2889.8	2912.4	2883.3
37.5°	2815.3	2805.7	2815.3	2815.3	2815.3	2821.8	2808.9	2799.2	2779.7	2808.9	2786.3
40°	2695.6	2682.7	2695.6	2692.4	2695.6	2702.1	2695.6	2689.1	2669.7	2692.4	2672.9
42.5°	2559.7	2556.5	2559.7	2562.9	2562.9	2575.9	2585.5	2572.6	2566.1	2550.0	2562.9
45°	2414.1	2407.6	2414.1	2420.5	2423.8	2430.3	2459.4	2459.4	2449.7	2423.8	2443.2
47.5°	2258.7	2242.6	2258.7	2278.1	2278.1	2287.9	2317.0	2339.6	2323.5	2291.1	2300.8
50°	2093.7	2096.9	2093.7	2106.7	2106.7	2142.3	2164.9	2187.6	2203.7	2164.9	2119.6
52.5°	1931.9	1928.6	1931.9	1941.6	1954.6	1970.7	2009.5	2032.2	2058.1	2035.4	1964.3
55°	1770.1	1776.6	1770.1	1773.4	1779.9	1789.5	1847.7	1870.4	1919.0	1889.8	1815.4
57.5°	1608.3	1598.6	1608.3	1614.8	1618.0	1627.7	1676.3	1718.4	1747.4	1750.7	1660.0
60°	1420.6	1407.7	1420.6	1449.8	1456.2	1462.7	1508.0	1546.8	1572.7	1582.4	1488.6
62.5°	1255.6	1232.9	1255.6	1275.0	1287.9	1304.2	1336.5	1394.7	1417.4	1420.6	1287.9
65°	1080.8	1071.1	1080.8	1119.7	1122.9	1142.3	1177.9	1220.0	1268.5	1262.1	1071.1
67.5°	922.2	922.2	922.2	948.2	967.6	977.3	1022.6	1042.0	1103.4	1109.9	893.2
70°	776.6	773.4	776.6	796.0	809.0	831.7	873.8	896.3	944.9	961.1	724.9
72.5°	637.5	634.2	637.5	653.7	666.7	686.1	721.6	747.6	789.6	809.0	563.1
75°	514.5	508.0	514.5	527.4	524.3	550.1	579.3	605.2	644.0	656.9	417.5
77.5°	394.8	394.8	394.8	407.7	407.7	433.6	446.5	479.0	501.6	521.0	307.4
80°	294.5	291.3	294.5	297.8	297.8	310.7	333.3	356.0	375.4	375.4	210.4
82.5°	207.1	200.6	207.1	207.1	207.1	213.6	226.5	233.0	245.9	255.7	132.7
85°	129.5	129.5	129.5	132.7	129.5	135.9	139.1	145.6	145.6	139.1	80.9
87.5°	84.1	80.9	84.1	80.9	80.9	77.6	77.6	77.6	74.4	71.2	45.3
90°	45.3	45.3	45.3	45.3	45.3	60.4	80.6	90.6	77.9	52.5	33.4
92.5°	181.6	145.5	181.6	217.6	226.6	321.3	447.4	510.5	448.3	323.7	230.3
95°	632.8	523.6	632.8	742.0	769.4	1010.3	1331.5	1492.1	1260.2	796.3	448.5
97.5°	1516.2	1308.5	1516.2	1724.1	1776.0	1928.4	2131.4	2232.9	1846.2	1072.8	492.6
100°	2184.6	1937.1	2184.6	2432.2	2494.0	2482.9	2468.1	2460.7	2031.5	1173.3	529.6
102.5°	2842.1	2630.1	2842.1	3054.2	3107.1	2913.1	2654.5	2525.1	2089.9	1219.4	566.5
105°	3680.4	3566.4	3680.4	3794.4	3822.9	3387.9	2808.0	2517.9	2096.5	1253.6	621.4
107.5°	4229.4	4257.0	4229.4	4201.9	4195.0	3588.3	2779.3	2374.8	2003.2	1260.0	702.5
110°	4438.8	4557.6	4438.8	4320.1	4290.4	3612.1	2707.7	2255.6	1920.5	1250.4	747.8



TEST NUMBER: P936148

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4457.5	4639.8	4457.5	4275.1	4229.5	3535.3	2609.7	2146.9	1848.2	1250.8	802.7
115°	4339.3	4592.1	4339.3	4086.4	4023.2	3354.4	2462.8	2017.0	1765.4	1262.4	885.1
117.5°	4088.7	4369.1	4088.7	3808.2	3738.1	3134.6	2329.9	1927.5	1713.6	1285.8	965.0
120°	3886.7	4159.2	3886.7	3614.2	3546.1	2994.7	2259.4	1891.7	1696.1	1304.9	1011.5
122.5°	3690.0	3958.8	3690.0	3421.3	3354.0	2857.5	2195.3	1864.3	1687.0	1332.4	1066.3
125°	3409.5	3657.1	3409.5	3161.8	3100.0	2678.1	2115.7	1834.5	1679.4	1369.3	1136.7
127.5°	3157.2	3366.0	3157.2	2948.2	2896.0	2533.8	2050.8	1809.4	1675.1	1406.3	1204.7
130°	3008.5	3201.4	3008.5	2815.5	2767.2	2444.8	2014.8	1799.8	1677.6	1433.3	1250.0
132.5°	2873.5	3046.3	2873.5	2700.7	2657.5	2368.8	1983.9	1791.5	1679.5	1455.2	1287.0
135°	2688.6	2837.6	2688.6	2539.6	2502.5	2260.7	1938.4	1777.2	1677.8	1479.0	1330.0
137.5°	2540.3	2662.2	2540.3	2418.4	2387.9	2183.6	1911.1	1774.9	1688.2	1514.8	1384.8
140°	2438.6	2552.6	2438.6	2324.6	2296.1	2119.6	1884.2	1766.5	1689.9	1536.7	1421.8
142.5°	2354.2	2452.3	2354.2	2256.1	2231.7	2076.6	1869.8	1766.5	1696.0	1555.0	1449.2
145°	2227.8	2302.0	2227.8	2153.6	2135.1	2008.2	1839.0	1754.5	1696.0	1578.9	1491.0
147.5°	2130.8	2192.3	2130.8	2069.3	2053.9	1954.1	1821.1	1754.5	1707.7	1613.9	1543.5
150°	2069.8	2119.6	2069.8	2019.9	2007.4	1923.1	1810.7	1754.5	1713.7	1632.0	1570.8
152.5°	2017.5	2055.1	2017.5	1979.8	1970.4	1898.4	1802.5	1754.5	1717.7	1644.1	1588.8
155°	1957.5	1982.4	1957.5	1932.6	1926.3	1869.1	1792.7	1754.5	1726.4	1670.3	1628.1
157.5°	1910.0	1927.5	1910.0	1892.6	1888.2	1843.6	1784.3	1754.5	1735.2	1696.5	1667.5
160°	1881.7	1891.7	1881.7	1871.6	1869.1	1830.9	1780.0	1754.5	1739.1	1708.4	1685.4
162.5°	1863.0	1872.6	1863.0	1853.6	1851.2	1819.0	1776.0	1754.5	1743.4	1721.1	1704.5
165°	1836.4	1846.4	1836.4	1826.2	1823.7	1800.7	1769.9	1754.5	1749.5	1739.4	1731.9
167.5°	1817.1	1821.4	1817.1	1812.8	1811.8	1796.7	1776.5	1766.5	1762.3	1753.8	1747.4
170°	1811.8	1811.8	1811.8	1811.8	1811.8	1796.7	1776.5	1766.5	1766.2	1765.7	1765.3
172.5°	1797.6	1793.9	1797.6	1801.3	1802.2	1790.3	1774.4	1766.5	1766.5	1766.5	1766.5
175°	1789.1	1789.1	1789.1	1789.1	1789.1	1781.6	1771.5	1766.5	1768.9	1773.6	1777.2
177.5°	1781.4	1777.2	1781.4	1785.7	1786.7	1780.8	1772.9	1768.9	1770.7	1774.4	1777.2
180°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5
2.5°	3469.0	3449.6	3449.6	3417.2	3404.3	3394.6	3378.4	3329.8	3316.9	3303.9	3323.4
5°	3498.1	3462.6	3436.7	3378.4	3329.8	3310.4	3249.0	3132.5	3054.8	2996.5	2964.2
7.5°	3504.6	3459.3	3410.7	3320.2	3203.6	3151.9	2964.2	2750.6	2692.4	2640.6	2608.2
10°	3498.1	3446.4	3378.4	3242.5	2967.4	2876.8	2689.1	2550.0	2514.4	2504.7	2514.4
12.5°	3475.5	3426.9	3333.1	3106.6	2721.5	2660.0	2550.0	2469.1	2462.6	2478.8	2566.1
15°	3436.7	3391.3	3281.4	2925.4	2585.5	2540.3	2462.6	2433.5	2469.1	2582.4	2844.5
17.5°	3397.8	3346.0	3210.1	2747.4	2482.0	2449.7	2394.7	2452.9	2653.5	2805.7	2893.0
20°	3346.0	3284.5	3129.2	2618.0	2407.6	2378.4	2352.6	2614.7	2766.8	2821.8	2870.4
22.5°	3284.5	3219.9	3019.2	2527.3	2330.0	2307.3	2323.5	2705.4	2766.8	2805.7	2847.7
25°	3203.6	3148.6	2889.8	2456.2	2268.5	2242.6	2304.0	2695.6	2731.2	2740.9	2825.1
27.5°	3129.2	3058.0	2753.8	2391.4	2194.0	2184.3	2320.2	2653.5	2679.4	2689.1	2779.7
30°	3038.6	2931.9	2601.8	2323.5	2116.3	2113.1	2323.5	2601.8	2595.3	2621.2	2711.8
32.5°	2944.8	2744.2	2430.3	2239.3	2042.0	2038.7	2300.8	2524.1	2517.7	2553.2	2621.2
35°	2857.4	2598.6	2197.2	2142.3	1948.1	1951.3	2245.8	2433.5	2436.8	2469.1	2511.2
37.5°	2766.8	2472.3	1941.6	2035.4	1857.5	1857.5	2171.3	2349.4	2342.9	2352.6	2410.8
40°	2660.0	2274.9	1715.1	1896.3	1773.4	1763.6	2080.8	2258.7	2236.1	2232.9	2313.8
42.5°	2546.7	2058.1	1546.8	1711.9	1676.3	1663.3	1970.7	2148.8	2106.7	2116.3	2219.9
45°	2423.8	1999.9	1417.4	1446.5	1575.9	1566.2	1851.0	2022.5	1993.4	2019.3	2126.1
47.5°	2300.8	1883.3	1375.3	1200.6	1469.2	1465.9	1718.4	1899.6	1883.3	1909.2	2022.5
50°	2132.5	1753.9	1372.0	1029.1	1349.4	1362.4	1559.7	1779.9	1779.9	1802.4	1922.2
52.5°	1915.7	1595.3	1245.8	932.0	1210.3	1249.1	1420.6	1676.3	1682.7	1705.4	1812.2
55°	1718.4	1430.4	1155.3	857.5	1045.2	1129.4	1284.7	1569.5	1582.4	1605.1	1702.1
57.5°	1537.1	1190.8	1135.9	770.2	893.2	974.1	1164.9	1465.9	1472.3	1491.9	1585.7
60°	1343.0	860.8	1042.0	676.3	760.5	821.9	1055.0	1343.0	1365.6	1378.5	1459.4
62.5°	1122.9	624.6	944.9	611.6	695.7	708.7	964.3	1226.4	1255.6	1265.3	1313.8
65°	799.3	524.3	802.5	556.6	627.7	631.0	867.3	1106.7	1132.6	1148.8	1184.3
67.5°	540.4	427.1	611.6	504.8	576.0	579.3	773.4	967.6	1003.1	1016.1	1038.8
70°	375.4	284.8	453.0	449.8	517.8	524.3	673.1	841.4	873.8	883.4	896.3
72.5°	275.1	229.8	375.4	404.5	456.3	462.8	569.5	699.0	731.3	741.0	747.6
75°	210.4	242.7	304.2	352.7	388.3	391.6	466.0	569.5	592.2	598.7	601.9
77.5°	168.3	226.5	223.3	284.8	317.2	310.7	365.6	440.1	459.5	459.5	459.5
80°	126.2	177.9	168.3	203.9	233.0	226.5	262.1	313.9	320.3	326.8	323.6
82.5°	93.8	113.2	113.2	129.5	155.3	148.9	174.8	203.9	203.9	203.9	210.4
85°	58.2	64.7	51.7	68.0	87.4	84.1	97.1	110.1	113.2	113.2	106.8
87.5°	35.6	29.2	16.2	25.9	38.8	38.8	45.3	48.6	45.3	45.3	45.3
90°	31.0	21.5	12.0	21.5	31.0	33.4	52.5	77.9	90.6	80.6	60.4
92.5°	210.0	128.8	47.7	128.8	210.0	230.3	323.7	448.3	510.5	447.4	321.3
95°	411.4	263.0	114.6	263.0	411.4	448.5	796.3	1260.2	1492.1	1331.5	1010.3
97.5°	459.9	328.9	198.0	328.9	459.9	492.6	1072.8	1846.2	2232.9	2131.4	1928.4
100°	499.9	381.1	262.4	381.1	499.9	529.6	1173.3	2031.5	2460.7	2468.1	2482.9
102.5°	538.8	428.1	317.3	428.1	538.8	566.5	1219.4	2089.9	2525.1	2654.5	2913.1
105°	598.0	504.1	410.3	504.1	598.0	621.4	1253.6	2096.5	2517.9	2808.0	3387.9
107.5°	680.6	593.2	505.7	593.2	680.6	702.5	1260.0	2003.2	2374.8	2779.3	3588.3
110°	728.1	649.2	570.2	649.2	728.1	747.8	1250.4	1920.5	2255.6	2707.7	3612.1



TEST NUMBER: P936148

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	783.9	708.6	633.4	708.6	783.9	802.7	1250.8	1848.2	2146.9	2609.7	3535.3
115°	867.6	798.2	728.8	798.2	867.6	885.1	1262.4	1765.4	2017.0	2462.8	3354.4
117.5°	949.2	886.1	823.0	886.1	949.2	965.0	1285.8	1713.6	1927.5	2329.9	3134.6
120°	996.6	937.3	877.9	937.3	996.6	1011.5	1304.9	1696.1	1891.7	2259.4	2994.7
122.5°	1051.3	991.5	931.5	991.5	1051.3	1066.3	1332.4	1687.0	1864.3	2195.3	2857.5
125°	1123.0	1068.5	1013.9	1068.5	1123.0	1136.7	1369.3	1679.4	1834.5	2115.7	2678.1
127.5°	1190.9	1135.8	1080.7	1135.8	1190.9	1204.7	1406.3	1675.1	1809.4	2050.8	2533.8
130°	1235.2	1175.8	1116.5	1175.8	1235.2	1250.0	1433.3	1677.6	1799.8	2014.8	2444.8
132.5°	1272.2	1212.8	1153.5	1212.8	1272.2	1287.0	1455.2	1679.5	1791.5	1983.9	2368.8
135°	1316.5	1262.4	1208.2	1262.4	1316.5	1330.0	1479.0	1677.8	1777.2	1938.4	2260.7
137.5°	1371.4	1317.9	1264.4	1317.9	1371.4	1384.8	1514.8	1688.2	1774.9	1911.1	2183.6
140°	1409.4	1360.2	1310.8	1360.2	1409.4	1421.8	1536.7	1689.9	1766.5	1884.2	2119.6
142.5°	1437.8	1392.2	1346.6	1392.2	1437.8	1449.2	1555.0	1696.0	1766.5	1869.8	2076.6
145°	1481.0	1441.3	1401.5	1441.3	1481.0	1491.0	1578.9	1696.0	1754.5	1839.0	2008.2
147.5°	1533.8	1495.1	1456.4	1495.1	1533.8	1543.5	1613.9	1707.7	1754.5	1821.1	1954.1
150°	1562.1	1527.1	1492.1	1527.1	1562.1	1570.8	1632.0	1713.7	1754.5	1810.7	1923.1
152.5°	1582.2	1555.6	1529.1	1555.6	1582.2	1588.8	1644.1	1717.7	1754.5	1802.5	1898.4
155°	1623.2	1603.6	1584.0	1603.6	1623.2	1628.1	1670.3	1726.4	1754.5	1792.7	1869.1
157.5°	1662.7	1643.7	1624.6	1643.7	1662.7	1667.5	1696.5	1735.2	1754.5	1784.3	1843.6
160°	1681.7	1666.8	1652.0	1666.8	1681.7	1685.4	1708.4	1739.1	1754.5	1780.0	1830.9
162.5°	1701.7	1690.5	1679.5	1690.5	1701.7	1704.5	1721.1	1743.4	1754.5	1776.0	1819.0
165°	1729.4	1719.2	1709.2	1719.2	1729.4	1731.9	1739.4	1749.5	1754.5	1769.9	1800.7
167.5°	1746.2	1741.4	1736.6	1741.4	1746.2	1747.4	1753.8	1762.3	1766.5	1776.5	1796.7
170°	1764.1	1759.3	1754.5	1759.3	1764.1	1765.3	1765.7	1766.2	1766.5	1776.5	1796.7
172.5°	1766.2	1765.1	1764.1	1765.1	1766.2	1766.5	1766.5	1766.5	1766.5	1774.4	1790.3
175°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1773.6	1768.9	1766.5	1771.5	1781.6
177.5°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1774.4	1770.7	1768.9	1772.9	1780.8
180°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2



TEST NUMBER: P936148

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5
2.5°	3300.8	3291.0	3303.9	3268.4	3303.9	3291.0	3300.8	3323.4	3303.9	3316.9	3329.8
5°	2896.2	2880.1	2828.3	2786.3	2828.3	2880.1	2896.2	2964.2	2996.5	3054.8	3132.5
7.5°	2588.8	2575.9	2562.9	2537.1	2562.9	2575.9	2588.8	2608.2	2640.6	2692.4	2750.6
10°	2520.9	2524.1	2543.5	2540.3	2543.5	2524.1	2520.9	2514.4	2504.7	2514.4	2550.0
12.5°	2695.6	2724.8	2831.5	2825.1	2831.5	2724.8	2695.6	2566.1	2478.8	2462.6	2469.1
15°	2896.2	2906.0	2928.6	2931.9	2928.6	2906.0	2896.2	2844.5	2582.4	2469.1	2433.5
17.5°	2915.6	2918.9	2935.0	2935.0	2935.0	2918.9	2915.6	2893.0	2805.7	2653.5	2452.9
20°	2899.5	2906.0	2938.3	2944.8	2938.3	2906.0	2899.5	2870.4	2821.8	2766.8	2614.7
22.5°	2893.0	2906.0	2931.9	2928.6	2931.9	2906.0	2893.0	2847.7	2805.7	2766.8	2705.4
25°	2860.6	2860.6	2863.9	2867.1	2863.9	2860.6	2860.6	2825.1	2740.9	2731.2	2695.6
27.5°	2792.7	2799.2	2818.6	2815.3	2818.6	2799.2	2792.7	2779.7	2689.1	2679.4	2653.5
30°	2731.2	2724.8	2708.5	2695.6	2708.5	2724.8	2731.2	2711.8	2621.2	2595.3	2601.8
32.5°	2627.6	2611.5	2595.3	2585.5	2595.3	2611.5	2627.6	2621.2	2553.2	2517.7	2524.1
35°	2504.7	2507.9	2504.7	2495.0	2504.7	2507.9	2504.7	2511.2	2469.1	2436.8	2433.5
37.5°	2417.4	2423.8	2420.5	2407.6	2420.5	2423.8	2417.4	2410.8	2352.6	2342.9	2349.4
40°	2326.7	2330.0	2326.7	2317.0	2326.7	2330.0	2326.7	2313.8	2232.9	2236.1	2258.7
42.5°	2239.3	2236.1	2226.4	2219.9	2226.4	2236.1	2239.3	2219.9	2116.3	2106.7	2148.8
45°	2139.0	2142.3	2122.8	2113.1	2122.8	2142.3	2139.0	2126.1	2019.3	1993.4	2022.5
47.5°	2038.7	2038.7	2022.5	2012.8	2022.5	2038.7	2038.7	2022.5	1909.2	1883.3	1899.6
50°	1931.9	1928.6	1906.0	1902.8	1906.0	1928.6	1931.9	1922.2	1802.4	1779.9	1779.9
52.5°	1808.9	1808.9	1812.2	1818.7	1812.2	1808.9	1808.9	1812.2	1705.4	1682.7	1676.3
55°	1702.1	1705.4	1728.0	1734.5	1728.0	1705.4	1702.1	1702.1	1605.1	1582.4	1569.5
57.5°	1592.2	1592.2	1608.3	1608.3	1608.3	1592.2	1592.2	1585.7	1491.9	1472.3	1465.9
60°	1465.9	1472.3	1485.4	1482.1	1485.4	1472.3	1465.9	1459.4	1378.5	1365.6	1343.0
62.5°	1333.2	1339.7	1343.0	1336.5	1343.0	1339.7	1333.2	1313.8	1265.3	1255.6	1226.4
65°	1194.1	1200.6	1203.8	1197.3	1203.8	1200.6	1194.1	1184.3	1148.8	1132.6	1106.7
67.5°	1051.7	1048.5	1045.2	1058.2	1045.2	1048.5	1051.7	1038.8	1016.1	1003.1	967.6
70°	906.1	906.1	902.8	909.3	902.8	906.1	906.1	896.3	883.4	873.8	841.4
72.5°	750.8	747.6	760.5	750.8	760.5	747.6	750.8	747.6	741.0	731.3	699.0
75°	598.7	605.2	598.7	608.3	598.7	605.2	598.7	601.9	598.7	592.2	569.5
77.5°	456.3	462.8	456.3	456.3	456.3	462.8	456.3	459.5	459.5	459.5	440.1
80°	323.6	320.3	320.3	317.2	320.3	320.3	323.6	323.6	326.8	320.3	313.9
82.5°	207.1	203.9	203.9	210.4	203.9	203.9	207.1	210.4	203.9	203.9	203.9
85°	113.2	116.5	110.1	110.1	110.1	116.5	113.2	106.8	113.2	113.2	110.1
87.5°	42.1	38.8	38.8	38.8	38.8	38.8	42.1	45.3	45.3	45.3	48.6
90°	45.3	45.3	45.3	45.3	45.3	45.3	45.3	60.4	80.6	90.6	77.9
92.5°	226.6	217.6	181.6	145.5	181.6	217.6	226.6	321.3	447.4	510.5	448.3
95°	769.4	742.0	632.8	523.6	632.8	742.0	769.4	1010.3	1331.5	1492.1	1260.2
97.5°	1776.0	1724.1	1516.2	1308.5	1516.2	1724.1	1776.0	1928.4	2131.4	2232.9	1846.2
100°	2494.0	2432.2	2184.6	1937.1	2184.6	2432.2	2494.0	2482.9	2468.1	2460.7	2031.5
102.5°	3107.1	3054.2	2842.1	2630.1	2842.1	3054.2	3107.1	2913.1	2654.5	2525.1	2089.9
105°	3822.9	3794.4	3680.4	3566.4	3680.4	3794.4	3822.9	3387.9	2808.0	2517.9	2096.5
107.5°	4195.0	4201.9	4229.4	4257.0	4229.4	4201.9	4195.0	3588.3	2779.3	2374.8	2003.2
110°	4290.4	4320.1	4438.8	4557.6	4438.8	4320.1	4290.4	3612.1	2707.7	2255.6	1920.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4229.5	4275.1	4457.5	4639.8	4457.5	4275.1	4229.5	3535.3	2609.7	2146.9	1848.2
115°	4023.2	4086.4	4339.3	4592.1	4339.3	4086.4	4023.2	3354.4	2462.8	2017.0	1765.4
117.5°	3738.1	3808.2	4088.7	4369.1	4088.7	3808.2	3738.1	3134.6	2329.9	1927.5	1713.6
120°	3546.1	3614.2	3886.7	4159.2	3886.7	3614.2	3546.1	2994.7	2259.4	1891.7	1696.1
122.5°	3354.0	3421.3	3690.0	3958.8	3690.0	3421.3	3354.0	2857.5	2195.3	1864.3	1687.0
125°	3100.0	3161.8	3409.5	3657.1	3409.5	3161.8	3100.0	2678.1	2115.7	1834.5	1679.4
127.5°	2896.0	2948.2	3157.2	3366.0	3157.2	2948.2	2896.0	2533.8	2050.8	1809.4	1675.1
130°	2767.2	2815.5	3008.5	3201.4	3008.5	2815.5	2767.2	2444.8	2014.8	1799.8	1677.6
132.5°	2657.5	2700.7	2873.5	3046.3	2873.5	2700.7	2657.5	2368.8	1983.9	1791.5	1679.5
135°	2502.5	2539.6	2688.6	2837.6	2688.6	2539.6	2502.5	2260.7	1938.4	1777.2	1677.8
137.5°	2387.9	2418.4	2540.3	2662.2	2540.3	2418.4	2387.9	2183.6	1911.1	1774.9	1688.2
140°	2296.1	2324.6	2438.6	2552.6	2438.6	2324.6	2296.1	2119.6	1884.2	1766.5	1689.9
142.5°	2231.7	2256.1	2354.2	2452.3	2354.2	2256.1	2231.7	2076.6	1869.8	1766.5	1696.0
145°	2135.1	2153.6	2227.8	2302.0	2227.8	2153.6	2135.1	2008.2	1839.0	1754.5	1696.0
147.5°	2053.9	2069.3	2130.8	2192.3	2130.8	2069.3	2053.9	1954.1	1821.1	1754.5	1707.7
150°	2007.4	2019.9	2069.8	2119.6	2069.8	2019.9	2007.4	1923.1	1810.7	1754.5	1713.7
152.5°	1970.4	1979.8	2017.5	2055.1	2017.5	1979.8	1970.4	1898.4	1802.5	1754.5	1717.7
155°	1926.3	1932.6	1957.5	1982.4	1957.5	1932.6	1926.3	1869.1	1792.7	1754.5	1726.4
157.5°	1888.2	1892.6	1910.0	1927.5	1910.0	1892.6	1888.2	1843.6	1784.3	1754.5	1735.2
160°	1869.1	1871.6	1881.7	1891.7	1881.7	1871.6	1869.1	1830.9	1780.0	1754.5	1739.1
162.5°	1851.2	1853.6	1863.0	1872.6	1863.0	1853.6	1851.2	1819.0	1776.0	1754.5	1743.4
165°	1823.7	1826.2	1836.4	1846.4	1836.4	1826.2	1823.7	1800.7	1769.9	1754.5	1749.5
167.5°	1811.8	1812.8	1817.1	1821.4	1817.1	1812.8	1811.8	1796.7	1776.5	1766.5	1762.3
170°	1811.8	1811.8	1811.8	1811.8	1811.8	1811.8	1811.8	1796.7	1776.5	1766.5	1766.2
172.5°	1802.2	1801.3	1797.6	1793.9	1797.6	1801.3	1802.2	1790.3	1774.4	1766.5	1766.5
175°	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1781.6	1771.5	1766.5	1768.9
177.5°	1786.7	1785.7	1781.4	1777.2	1781.4	1785.7	1786.7	1780.8	1772.9	1768.9	1770.7
180°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3420.5	3420.5	3420.5	3420.5	3420.5
2.5°	3378.4	3394.6	3404.3	3417.2	3449.6
5°	3249.0	3310.4	3329.8	3378.4	3436.7
7.5°	2964.2	3151.9	3203.6	3320.2	3410.7
10°	2689.1	2876.8	2967.4	3242.5	3378.4
12.5°	2550.0	2660.0	2721.5	3106.6	3333.1
15°	2462.6	2540.3	2585.5	2925.4	3281.4
17.5°	2394.7	2449.7	2482.0	2747.4	3210.1
20°	2352.6	2378.4	2407.6	2618.0	3129.2
22.5°	2323.5	2307.3	2330.0	2527.3	3019.2
25°	2304.0	2242.6	2268.5	2456.2	2889.8
27.5°	2320.2	2184.3	2194.0	2391.4	2753.8
30°	2323.5	2113.1	2116.3	2323.5	2601.8
32.5°	2300.8	2038.7	2042.0	2239.3	2430.3
35°	2245.8	1951.3	1948.1	2142.3	2197.2
37.5°	2171.3	1857.5	1857.5	2035.4	1941.6
40°	2080.8	1763.6	1773.4	1896.3	1715.1
42.5°	1970.7	1663.3	1676.3	1711.9	1546.8
45°	1851.0	1566.2	1575.9	1446.5	1417.4
47.5°	1718.4	1465.9	1469.2	1200.6	1375.3
50°	1559.7	1362.4	1349.4	1029.1	1372.0
52.5°	1420.6	1249.1	1210.3	932.0	1245.8
55°	1284.7	1129.4	1045.2	857.5	1155.3
57.5°	1164.9	974.1	893.2	770.2	1135.9
60°	1055.0	821.9	760.5	676.3	1042.0
62.5°	964.3	708.7	695.7	611.6	944.9
65°	867.3	631.0	627.7	556.6	802.5
67.5°	773.4	579.3	576.0	504.8	611.6
70°	673.1	524.3	517.8	449.8	453.0
72.5°	569.5	462.8	456.3	404.5	375.4
75°	466.0	391.6	388.3	352.7	304.2
77.5°	365.6	310.7	317.2	284.8	223.3
80°	262.1	226.5	233.0	203.9	168.3
82.5°	174.8	148.9	155.3	129.5	113.2
85°	97.1	84.1	87.4	68.0	51.7
87.5°	45.3	38.8	38.8	25.9	16.2
90°	52.5	33.4	31.0	21.5	12.0
92.5°	323.7	230.3	210.0	128.8	47.7
95°	796.3	448.5	411.4	263.0	114.6
97.5°	1072.8	492.6	459.9	328.9	198.0
100°	1173.3	529.6	499.9	381.1	262.4
102.5°	1219.4	566.5	538.8	428.1	317.3
105°	1253.6	621.4	598.0	504.1	410.3
107.5°	1260.0	702.5	680.6	593.2	505.7
110°	1250.4	747.8	728.1	649.2	570.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1250.8	802.7	783.9	708.6	633.4
115°	1262.4	885.1	867.6	798.2	728.8
117.5°	1285.8	965.0	949.2	886.1	823.0
120°	1304.9	1011.5	996.6	937.3	877.9
122.5°	1332.4	1066.3	1051.3	991.5	931.5
125°	1369.3	1136.7	1123.0	1068.5	1013.9
127.5°	1406.3	1204.7	1190.9	1135.8	1080.7
130°	1433.3	1250.0	1235.2	1175.8	1116.5
132.5°	1455.2	1287.0	1272.2	1212.8	1153.5
135°	1479.0	1330.0	1316.5	1262.4	1208.2
137.5°	1514.8	1384.8	1371.4	1317.9	1264.4
140°	1536.7	1421.8	1409.4	1360.2	1310.8
142.5°	1555.0	1449.2	1437.8	1392.2	1346.6
145°	1578.9	1491.0	1481.0	1441.3	1401.5
147.5°	1613.9	1543.5	1533.8	1495.1	1456.4
150°	1632.0	1570.8	1562.1	1527.1	1492.1
152.5°	1644.1	1588.8	1582.2	1555.6	1529.1
155°	1670.3	1628.1	1623.2	1603.6	1584.0
157.5°	1696.5	1667.5	1662.7	1643.7	1624.6
160°	1708.4	1685.4	1681.7	1666.8	1652.0
162.5°	1721.1	1704.5	1701.7	1690.5	1679.5
165°	1739.4	1731.9	1729.4	1719.2	1709.2
167.5°	1753.8	1747.4	1746.2	1741.4	1736.6
170°	1765.7	1765.3	1764.1	1759.3	1754.5
172.5°	1766.5	1766.5	1766.2	1765.1	1764.1
175°	1773.6	1777.2	1777.2	1777.2	1777.2
177.5°	1774.4	1777.2	1777.2	1777.2	1777.2
180°	1777.2	1777.2	1777.2	1777.2	1777.2



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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	14.59	14.79	15.61	16.97	16.62	17.42	17.63	18.45	19.81
	3H	14.25	14.98	15.28	16.01	17.39	17.96	18.68	18.98	19.71	21.10
	4H	14.44	15.13	15.48	16.16	17.55	18.41	19.09	19.44	20.12	21.51
	6H	14.56	15.19	15.60	16.22	17.63	18.69	19.32	19.73	20.36	21.76
	8H	14.56	15.16	15.61	16.21	17.61	18.76	19.36	19.81	20.42	21.81
	12H	14.53	15.10	15.58	16.14	17.56	18.80	19.37	19.86	20.42	21.84
4H	2H	14.81	15.49	15.85	16.52	17.91	17.02	17.70	18.06	18.74	20.13
	3H	15.83	16.40	16.88	17.46	18.86	18.52	19.09	19.57	20.15	21.56
	4H	16.10	16.63	17.16	17.68	19.10	19.05	19.57	20.11	20.62	22.05
	6H	16.23	16.67	17.29	17.75	19.17	19.42	19.86	20.48	20.94	22.36
	8H	16.23	16.65	17.30	17.72	19.15	19.52	19.94	20.59	21.01	22.44
	12H	16.20	16.57	17.28	17.66	19.09	19.58	19.96	20.66	21.04	22.48
8H	4H	16.55	16.97	17.62	18.04	19.48	19.17	19.59	20.24	20.66	22.09
	6H	16.81	17.16	17.90	18.27	19.70	19.61	19.95	20.70	21.06	22.49
	8H	16.86	17.16	17.95	18.25	19.70	19.76	20.06	20.86	21.16	22.61
	12H	16.84	17.10	17.94	18.19	19.68	19.86	20.12	20.96	21.21	22.70
12H	4H	16.56	16.94	17.64	18.02	19.46	19.13	19.51	20.22	20.59	22.03
	6H	16.87	17.18	17.97	18.27	19.72	19.60	19.91	20.70	21.00	22.45
	8H	16.94	17.21	18.04	18.29	19.78	19.76	20.03	20.86	21.12	22.61