

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: P936092

Luminaire Tested: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-8-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936092
REPORT IS A COMBINATION OF REPORTS P933780 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-8-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

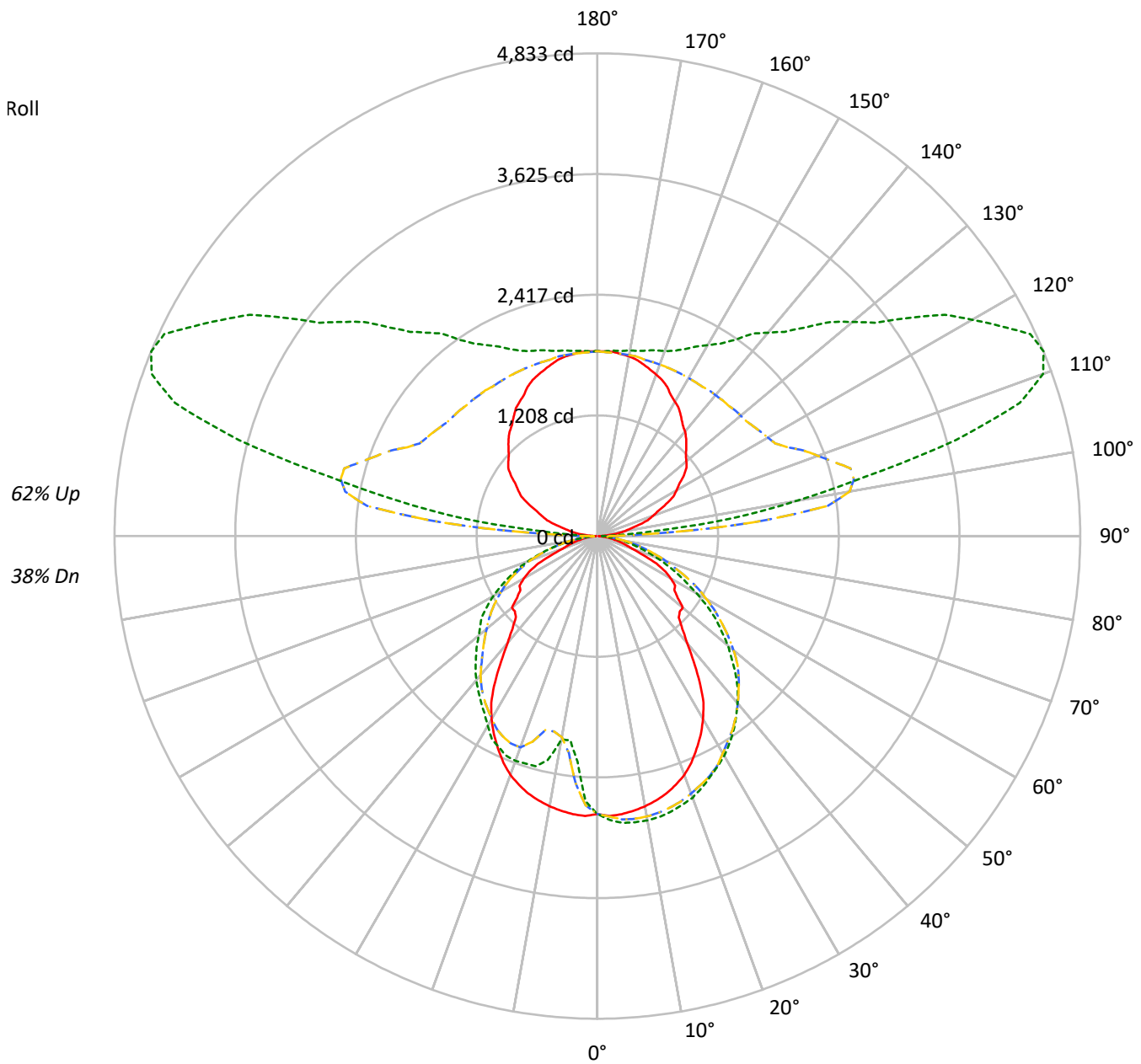
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19220.8 lumens
Efficiency: N/A
Efficacy: 132.7 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: Semi-Indirect

Input Watts (W): 144.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	38			38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32			32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27			27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23			23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19			19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17			17
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15			15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13			13
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12			12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10			10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9			9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12907	12907	12907	12907
5°	13004	13029	13004	10245
10°	12916	12834	12916	9175
15°	12776	12556	12776	10485
20°	12509	12227	12509	10507
25°	11962	11746	11962	10284
30°	11255	11348	11255	9795
35°	10034	10843	10034	9258
40°	8361	10249	8361	8852
45°	7471	9554	7471	8385
50°	7936	8725	7936	7917
55°	7467	7831	7467	7646
60°	7697	6651	7697	7003
65°	6978	5498	6978	6146
70°	4832	4382	4832	5151
75°	4237	3239	4237	3879
80°	3416	2141	3416	2332
85°	1961	1134	1961	963

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11450 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.1	1.3
10°-20°	713.0	3.7
20°-30°	1102.2	5.7
30°-40°	1315.7	6.8
40°-50°	1323.5	6.9
50°-60°	1151.6	6.0
60°-70°	816.5	4.2
70°-80°	432.0	2.2
80°-90°	114.6	0.6
90°-100°	902.4	4.7
100°-110°	2372.4	12.3
110°-120°	2459.9	12.8
120°-130°	1973.1	10.3
130°-140°	1548.2	8.1
140°-150°	1188.3	6.2
150°-160°	855.8	4.5
160°-170°	523.6	2.7
170°-180°	176.9	0.9
0°-30°	2066.3	10.8
0°-40°	3382.0	17.6
0°-60°	5857.0	30.5
0°-90°	7220.1	37.6
90°-120°	5734.7	29.8
90°-150°	10444.4	54.3
90°-180°	12001.0	62.4
0°-180°	19220.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2782	2782	2782	2782	2782	
5°	2795	2882	2795	2266	2795	265
15°	2669	2856	2669	2384	2669	751
25°	2350	2664	2350	2332	2350	1079
35°	1787	2377	1787	2029	1787	1106
45°	1153	1958	1153	1719	1153	923
55°	940	1445	940	1411	940	863
65°	653	871	653	974	653	624
75°	247	413	247	495	247	260
85°	42	105	42	89	42	57
90°	12	47	12	47	12	12
95°	119	545	119	545	119	132
105°	427	3715	427	3715	427	453
115°	759	4783	759	4783	759	750
125°	1056	3809	1056	3809	1056	938
135°	1258	2956	1258	2956	1258	974
145°	1460	2398	1460	2398	1460	915
155°	1650	2065	1650	2065	1650	758
165°	1780	1923	1780	1923	1780	502
175°	1851	1864	1851	1864	1851	176
180°	1851	1851	1851	1851	1851	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9
2.5°	2805.6	2805.6	2821.4	2826.6	2826.6	2818.8	2810.9	2818.8	2842.5	2850.4	2847.8
5°	2795.1	2816.1	2845.1	2850.4	2855.6	2852.9	2847.8	2852.9	2879.3	2884.6	2887.2
7.5°	2774.1	2813.5	2850.4	2858.2	2866.2	2858.2	2855.6	2860.9	2887.2	2892.5	2892.5
10°	2747.7	2802.9	2845.1	2850.4	2858.2	2850.4	2850.4	2860.9	2887.2	2892.5	2895.1
12.5°	2710.8	2787.2	2826.6	2831.9	2842.5	2839.8	2837.2	2847.8	2874.1	2879.3	2879.3
15°	2668.8	2758.2	2795.1	2800.4	2818.8	2813.5	2813.5	2824.1	2852.9	2860.9	2858.2
17.5°	2610.8	2721.4	2763.5	2771.4	2784.5	2781.9	2784.5	2795.1	2821.4	2826.6	2829.3
20°	2545.1	2671.4	2721.4	2729.2	2742.5	2742.5	2742.5	2755.6	2781.9	2792.5	2792.5
22.5°	2455.5	2618.8	2671.4	2676.7	2692.4	2692.4	2697.7	2716.1	2739.8	2742.5	2742.5
25°	2350.3	2560.8	2605.5	2621.4	2637.2	2645.1	2652.9	2663.5	2671.4	2668.8	2671.4
27.5°	2239.7	2487.1	2545.1	2555.5	2576.7	2584.5	2595.1	2597.7	2600.4	2608.2	2602.9
30°	2116.0	2384.5	2471.4	2481.9	2516.1	2521.4	2510.8	2516.1	2529.2	2534.5	2539.8
32.5°	1976.6	2231.8	2395.1	2418.7	2450.3	2434.5	2431.8	2439.8	2460.8	2460.8	2466.1
35°	1787.0	2113.4	2324.0	2345.0	2368.7	2350.3	2360.8	2363.4	2376.7	2384.5	2381.8
37.5°	1579.2	2010.7	2250.3	2266.1	2284.5	2260.8	2276.6	2284.5	2295.0	2289.8	2289.8
40°	1394.9	1850.3	2163.4	2174.0	2189.7	2171.3	2187.1	2192.4	2197.7	2192.4	2189.7
42.5°	1258.0	1673.9	2071.3	2084.4	2074.0	2087.1	2092.4	2102.9	2095.0	2084.4	2084.4
45°	1152.8	1626.5	1971.3	1987.1	1971.3	1992.4	2000.3	2000.3	1976.6	1971.3	1968.7
47.5°	1118.6	1531.7	1871.3	1871.3	1863.4	1889.7	1902.9	1884.4	1860.7	1852.9	1852.9
50°	1115.9	1426.5	1734.4	1723.9	1760.7	1792.3	1779.2	1760.7	1742.3	1713.3	1713.3
52.5°	1013.3	1297.5	1558.0	1597.6	1655.5	1673.9	1652.9	1634.4	1602.9	1589.7	1579.2
55°	939.6	1163.3	1397.6	1476.5	1537.0	1560.7	1521.2	1502.9	1455.5	1447.6	1442.3
57.5°	923.8	968.5	1250.2	1350.2	1423.9	1421.2	1397.6	1363.3	1323.9	1315.9	1313.3
60°	847.5	700.1	1092.2	1210.6	1287.0	1279.1	1258.0	1226.5	1189.6	1184.3	1179.1
62.5°	768.5	508.0	913.2	1047.5	1155.4	1152.8	1134.3	1086.9	1060.6	1047.5	1036.9
65°	652.7	426.4	650.1	871.2	1026.5	1031.7	992.2	958.1	929.1	913.2	910.6
67.5°	497.4	347.4	439.5	726.4	902.8	897.5	847.5	831.7	794.8	786.9	771.1
70°	368.4	231.6	305.3	589.5	781.7	768.5	729.1	710.6	676.4	658.0	647.4
72.5°	305.3	186.8	223.7	458.0	658.0	642.2	608.0	586.9	558.0	542.1	531.7
75°	247.4	197.4	171.1	339.5	534.3	523.8	492.1	471.1	447.4	426.4	429.0
77.5°	181.6	184.3	136.9	250.0	423.7	408.0	389.5	363.2	352.7	331.7	331.7
80°	136.9	144.7	102.7	171.1	305.3	305.3	289.5	271.1	252.7	242.1	242.1
82.5°	92.1	92.1	76.3	107.9	208.0	200.0	189.5	184.3	173.7	168.4	168.4
85°	42.1	52.6	47.4	65.8	113.1	118.4	118.4	113.1	110.6	105.3	107.9
87.5°	13.1	23.7	29.0	36.9	57.9	60.6	63.1	63.1	63.1	65.8	65.8
90°	12.4	22.4	32.3	34.8	54.7	81.2	94.4	84.0	62.9	47.2	47.2
92.5°	49.7	134.2	218.7	239.8	337.1	466.9	531.8	466.0	334.7	236.1	226.7
95°	119.3	273.9	428.5	467.1	829.5	1312.6	1554.3	1386.9	1052.4	801.4	772.9
97.5°	206.3	342.6	479.1	513.1	1117.4	1923.1	2325.9	2220.1	2008.6	1850.0	1795.9
100°	273.3	397.0	520.7	551.7	1222.2	2116.1	2563.1	2570.9	2586.3	2597.9	2533.4
102.5°	330.5	445.9	561.2	590.1	1270.2	2176.9	2630.2	2765.0	3034.4	3236.5	3181.3
105°	427.4	525.1	622.9	647.3	1305.8	2183.7	2622.8	2924.9	3528.9	3982.0	3952.3
107.5°	526.8	617.9	709.0	731.8	1312.4	2086.6	2473.7	2895.0	3737.7	4369.7	4376.8
110°	593.9	676.2	758.5	779.0	1302.5	2000.5	2349.5	2820.5	3762.5	4469.1	4499.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	659.8	738.1	816.5	836.1	1302.9	1925.2	2236.3	2718.4	3682.5	4405.6	4453.1
115°	759.2	831.5	903.8	921.9	1314.9	1838.9	2101.0	2565.3	3494.1	4190.7	4256.5
117.5°	857.3	923.0	988.7	1005.2	1339.3	1784.9	2007.7	2426.9	3265.1	3893.8	3966.8
120°	914.4	976.3	1038.1	1053.6	1359.2	1766.7	1970.5	2353.4	3119.4	3693.8	3764.7
122.5°	970.3	1032.8	1095.1	1110.7	1387.8	1757.2	1941.9	2286.7	2976.4	3493.7	3563.7
125°	1056.1	1112.9	1169.8	1184.0	1426.3	1749.3	1910.8	2203.7	2789.6	3229.0	3293.5
127.5°	1125.7	1183.0	1240.5	1254.9	1464.8	1744.8	1884.7	2136.2	2639.3	3016.6	3071.0
130°	1162.9	1224.8	1286.6	1302.1	1493.0	1747.5	1874.8	2098.7	2546.6	2882.4	2932.7
132.5°	1201.5	1263.3	1325.2	1340.6	1515.8	1749.4	1866.1	2066.5	2467.4	2768.1	2813.1
135°	1258.5	1314.9	1371.3	1385.3	1540.6	1747.7	1851.2	2019.1	2354.8	2606.6	2645.4
137.5°	1317.0	1372.8	1428.5	1442.4	1577.9	1758.4	1848.8	1990.7	2274.5	2487.3	2519.1
140°	1365.4	1416.8	1468.1	1481.0	1600.7	1760.2	1840.0	1962.6	2207.8	2391.7	2421.4
142.5°	1402.7	1450.2	1497.7	1509.5	1619.7	1766.6	1840.0	1947.7	2163.0	2324.6	2350.1
145°	1459.8	1501.3	1542.7	1553.1	1644.6	1766.6	1827.6	1915.6	2091.8	2224.0	2243.3
147.5°	1517.0	1557.3	1597.7	1607.7	1681.0	1778.8	1827.6	1896.9	2035.4	2139.4	2155.4
150°	1554.3	1590.7	1627.2	1636.2	1700.0	1785.0	1827.6	1886.1	2003.2	2091.0	2104.0
152.5°	1592.8	1620.4	1648.1	1655.0	1712.5	1789.2	1827.6	1877.6	1977.5	2052.5	2062.2
155°	1650.0	1670.4	1690.8	1695.9	1739.8	1798.3	1827.6	1867.3	1946.9	2006.5	2013.0
157.5°	1692.2	1712.1	1731.9	1736.9	1767.1	1807.4	1827.6	1858.5	1920.4	1966.8	1971.4
160°	1720.8	1736.2	1751.7	1755.5	1779.6	1811.5	1827.6	1854.1	1907.1	1946.9	1949.5
162.5°	1749.4	1760.9	1772.6	1775.5	1792.8	1816.0	1827.6	1850.0	1894.7	1928.3	1930.7
165°	1780.4	1790.8	1801.4	1804.0	1811.8	1822.3	1827.6	1843.6	1875.7	1899.7	1902.3
167.5°	1808.9	1813.9	1818.9	1820.2	1826.8	1835.6	1840.0	1850.5	1871.5	1887.2	1888.3
170°	1827.6	1832.5	1837.5	1838.8	1839.2	1839.7	1840.0	1850.5	1871.5	1887.2	1887.2
172.5°	1837.5	1838.6	1839.7	1840.0	1840.0	1840.0	1840.0	1848.3	1864.8	1877.3	1876.3
175°	1851.2	1851.2	1851.2	1851.2	1847.5	1842.5	1840.0	1845.3	1855.7	1863.6	1863.6
177.5°	1851.2	1851.2	1851.2	1851.2	1848.3	1844.4	1842.5	1846.7	1855.0	1861.1	1860.0
180°	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9
2.5°	2852.9	2845.1	2852.9	2847.8	2850.4	2842.5	2818.8	2810.9	2818.8	2826.6	2826.6
5°	2887.2	2881.9	2887.2	2887.2	2884.6	2879.3	2852.9	2847.8	2852.9	2855.6	2850.4
7.5°	2897.8	2889.8	2897.8	2892.5	2892.5	2887.2	2860.9	2855.6	2858.2	2866.2	2858.2
10°	2897.8	2889.8	2897.8	2895.1	2892.5	2887.2	2860.9	2850.4	2850.4	2858.2	2850.4
12.5°	2884.6	2879.3	2884.6	2879.3	2879.3	2874.1	2847.8	2837.2	2839.8	2842.5	2831.9
15°	2863.5	2855.6	2863.5	2858.2	2860.9	2852.9	2824.1	2813.5	2813.5	2818.8	2800.4
17.5°	2831.9	2821.4	2831.9	2829.3	2826.6	2821.4	2795.1	2784.5	2781.9	2784.5	2771.4
20°	2795.1	2787.2	2795.1	2792.5	2792.5	2781.9	2755.6	2742.5	2742.5	2742.5	2729.2
22.5°	2737.2	2729.2	2737.2	2742.5	2742.5	2739.8	2716.1	2697.7	2692.4	2692.4	2676.7
25°	2671.4	2663.5	2671.4	2671.4	2668.8	2671.4	2663.5	2652.9	2645.1	2637.2	2621.4
27.5°	2608.2	2602.9	2608.2	2602.9	2608.2	2600.4	2597.7	2595.1	2584.5	2576.7	2555.5
30°	2545.1	2539.8	2545.1	2539.8	2534.5	2529.2	2516.1	2510.8	2521.4	2516.1	2481.9
32.5°	2466.1	2460.8	2466.1	2466.1	2460.8	2460.8	2439.8	2431.8	2434.5	2450.3	2418.7
35°	2384.5	2376.7	2384.5	2381.8	2384.5	2376.7	2363.4	2360.8	2350.3	2368.7	2345.0
37.5°	2289.8	2281.8	2289.8	2289.8	2289.8	2295.0	2284.5	2276.6	2260.8	2284.5	2266.1
40°	2192.4	2181.8	2192.4	2189.7	2192.4	2197.7	2192.4	2187.1	2171.3	2189.7	2174.0
42.5°	2081.8	2079.2	2081.8	2084.4	2084.4	2095.0	2102.9	2092.4	2087.1	2074.0	2084.4
45°	1963.4	1958.1	1963.4	1968.7	1971.3	1976.6	2000.3	2000.3	1992.4	1971.3	1987.1
47.5°	1837.0	1823.9	1837.0	1852.9	1852.9	1860.7	1884.4	1902.9	1889.7	1863.4	1871.3
50°	1702.9	1705.5	1702.9	1713.3	1713.3	1742.3	1760.7	1779.2	1792.3	1760.7	1723.9
52.5°	1571.3	1568.6	1571.3	1579.2	1589.7	1602.9	1634.4	1652.9	1673.9	1655.5	1597.6
55°	1439.6	1444.9	1439.6	1442.3	1447.6	1455.5	1502.9	1521.2	1560.7	1537.0	1476.5
57.5°	1308.0	1300.2	1308.0	1313.3	1315.9	1323.9	1363.3	1397.6	1421.2	1423.9	1350.2
60°	1155.4	1144.9	1155.4	1179.1	1184.3	1189.6	1226.5	1258.0	1279.1	1287.0	1210.6
62.5°	1021.2	1002.8	1021.2	1036.9	1047.5	1060.6	1086.9	1134.3	1152.8	1155.4	1047.5
65°	879.1	871.2	879.1	910.6	913.2	929.1	958.1	992.2	1031.7	1026.5	871.2
67.5°	750.1	750.1	750.1	771.1	786.9	794.8	831.7	847.5	897.5	902.8	726.4
70°	631.7	629.1	631.7	647.4	658.0	676.4	710.6	729.1	768.5	781.7	589.5
72.5°	518.5	515.8	518.5	531.7	542.1	558.0	586.9	608.0	642.2	658.0	458.0
75°	418.5	413.2	418.5	429.0	426.4	447.4	471.1	492.1	523.8	534.3	339.5
77.5°	321.1	321.1	321.1	331.7	331.7	352.7	363.2	389.5	408.0	423.7	250.0
80°	239.5	236.8	239.5	242.1	242.1	252.7	271.1	289.5	305.3	305.3	171.1
82.5°	168.4	163.1	168.4	168.4	168.4	173.7	184.3	189.5	200.0	208.0	107.9
85°	105.3	105.3	105.3	107.9	105.3	110.6	113.1	118.4	118.4	113.1	65.8
87.5°	68.4	65.8	68.4	65.8	65.8	63.1	63.1	63.1	60.6	57.9	36.9
90°	47.2	47.2	47.2	47.2	47.2	62.9	84.0	94.4	81.2	54.7	34.8
92.5°	189.1	151.6	189.1	226.7	236.1	334.7	466.0	531.8	466.9	337.1	239.8
95°	659.2	545.4	659.2	772.9	801.4	1052.4	1386.9	1554.3	1312.6	829.5	467.1
97.5°	1579.4	1362.9	1579.4	1795.9	1850.0	2008.6	2220.1	2325.9	1923.1	1117.4	513.1
100°	2275.6	2017.7	2275.6	2533.4	2597.9	2586.3	2570.9	2563.1	2116.1	1222.2	551.7
102.5°	2960.4	2739.6	2960.4	3181.3	3236.5	3034.4	2765.0	2630.2	2176.9	1270.2	590.1
105°	3833.6	3714.9	3833.6	3952.3	3982.0	3528.9	2924.9	2622.8	2183.7	1305.8	647.3
107.5°	4405.5	4434.2	4405.5	4376.8	4369.7	3737.7	2895.0	2473.7	2086.6	1312.4	731.8
110°	4623.6	4747.3	4623.6	4499.9	4469.1	3762.5	2820.5	2349.5	2000.5	1302.5	779.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4643.1	4833.0	4643.1	4453.1	4405.6	3682.5	2718.4	2236.3	1925.2	1302.9	836.1
115°	4519.9	4783.3	4519.9	4256.5	4190.7	3494.1	2565.3	2101.0	1838.9	1314.9	921.9
117.5°	4258.9	4551.0	4258.9	3966.8	3893.8	3265.1	2426.9	2007.7	1784.9	1339.3	1005.2
120°	4048.5	4332.3	4048.5	3764.7	3693.8	3119.4	2353.4	1970.5	1766.7	1359.2	1053.6
122.5°	3843.7	4123.6	3843.7	3563.7	3493.7	2976.4	2286.7	1941.9	1757.2	1387.8	1110.7
125°	3551.4	3809.3	3551.4	3293.5	3229.0	2789.6	2203.7	1910.8	1749.3	1426.3	1184.0
127.5°	3288.6	3506.1	3288.6	3071.0	3016.6	2639.3	2136.2	1884.7	1744.8	1464.8	1254.9
130°	3133.7	3334.7	3133.7	2932.7	2882.4	2546.6	2098.7	1874.8	1747.5	1493.0	1302.1
132.5°	2993.1	3173.2	2993.1	2813.1	2768.1	2467.4	2066.5	1866.1	1749.4	1515.8	1340.6
135°	2800.6	2955.7	2800.6	2645.4	2606.6	2354.8	2019.1	1851.2	1747.7	1540.6	1385.3
137.5°	2646.1	2773.1	2646.1	2519.1	2487.3	2274.5	1990.7	1848.8	1758.4	1577.9	1442.4
140°	2540.1	2658.8	2540.1	2421.4	2391.7	2207.8	1962.6	1840.0	1760.2	1600.7	1481.0
142.5°	2452.3	2554.4	2452.3	2350.1	2324.6	2163.0	1947.7	1840.0	1766.6	1619.7	1509.5
145°	2320.6	2397.9	2320.6	2243.3	2224.0	2091.8	1915.6	1827.6	1766.6	1644.6	1553.1
147.5°	2219.5	2283.5	2219.5	2155.4	2139.4	2035.4	1896.9	1827.6	1778.8	1681.0	1607.7
150°	2155.9	2207.8	2155.9	2104.0	2091.0	2003.2	1886.1	1827.6	1785.0	1700.0	1636.2
152.5°	2101.5	2140.7	2101.5	2062.2	2052.5	1977.5	1877.6	1827.6	1789.2	1712.5	1655.0
155°	2039.0	2064.9	2039.0	2013.0	2006.5	1946.9	1867.3	1827.6	1798.3	1739.8	1695.9
157.5°	1989.5	2007.7	1989.5	1971.4	1966.8	1920.4	1858.5	1827.6	1807.4	1767.1	1736.9
160°	1960.0	1970.5	1960.0	1949.5	1946.9	1907.1	1854.1	1827.6	1811.5	1779.6	1755.5
162.5°	1940.6	1950.6	1940.6	1930.7	1928.3	1894.7	1850.0	1827.6	1816.0	1792.8	1775.5
165°	1912.8	1923.3	1912.8	1902.3	1899.7	1875.7	1843.6	1827.6	1822.3	1811.8	1804.0
167.5°	1892.8	1897.2	1892.8	1888.3	1887.2	1871.5	1850.5	1840.0	1835.6	1826.8	1820.2
170°	1887.2	1887.2	1887.2	1887.2	1887.2	1871.5	1850.5	1840.0	1839.7	1839.2	1838.8
172.5°	1872.5	1868.6	1872.5	1876.3	1877.3	1864.8	1848.3	1840.0	1840.0	1840.0	1840.0
175°	1863.6	1863.6	1863.6	1863.6	1863.6	1855.7	1845.3	1840.0	1842.5	1847.5	1851.2
177.5°	1855.5	1851.2	1855.5	1860.0	1861.1	1855.0	1846.7	1842.5	1844.4	1848.3	1851.2
180°	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9
2.5°	2821.4	2805.6	2805.6	2779.3	2768.8	2760.9	2747.7	2708.2	2697.7	2687.2	2702.9
5°	2845.1	2816.1	2795.1	2747.7	2708.2	2692.4	2642.4	2547.7	2484.5	2437.1	2410.8
7.5°	2850.4	2813.5	2774.1	2700.4	2605.5	2563.5	2410.8	2237.1	2189.7	2147.7	2121.3
10°	2845.1	2802.9	2747.7	2637.2	2413.4	2339.8	2187.1	2074.0	2045.0	2037.1	2045.0
12.5°	2826.6	2787.2	2710.8	2526.7	2213.4	2163.4	2074.0	2008.1	2002.9	2016.0	2087.1
15°	2795.1	2758.2	2668.8	2379.2	2102.9	2066.0	2002.9	1979.2	2008.1	2100.3	2313.4
17.5°	2763.5	2721.4	2610.8	2234.5	2018.7	1992.4	1947.6	1995.0	2158.1	2281.8	2353.0
20°	2721.4	2671.4	2545.1	2129.2	1958.1	1934.4	1913.4	2126.6	2250.3	2295.0	2334.5
22.5°	2671.4	2618.8	2455.5	2055.5	1895.0	1876.6	1889.7	2200.3	2250.3	2281.8	2316.1
25°	2605.5	2560.8	2350.3	1997.6	1845.0	1823.9	1873.9	2192.4	2221.3	2229.2	2297.7
27.5°	2545.1	2487.1	2239.7	1945.0	1784.4	1776.6	1887.1	2158.1	2179.2	2187.1	2260.8
30°	2471.4	2384.5	2116.0	1889.7	1721.3	1718.6	1889.7	2116.0	2110.8	2131.8	2205.5
32.5°	2395.1	2231.8	1976.6	1821.3	1660.7	1658.1	1871.3	2052.9	2047.6	2076.6	2131.8
35°	2324.0	2113.4	1787.0	1742.3	1584.4	1587.0	1826.6	1979.2	1981.8	2008.1	2042.4
37.5°	2250.3	2010.7	1579.2	1655.5	1510.7	1510.7	1766.0	1910.7	1905.5	1913.4	1960.7
40°	2163.4	1850.3	1394.9	1542.3	1442.3	1434.3	1692.3	1837.0	1818.6	1816.0	1881.8
42.5°	2071.3	1673.9	1258.0	1392.3	1363.3	1352.8	1602.9	1747.6	1713.3	1721.3	1805.4
45°	1971.3	1626.5	1152.8	1176.5	1281.8	1273.9	1505.5	1644.9	1621.3	1642.3	1729.2
47.5°	1871.3	1531.7	1118.6	976.5	1194.9	1192.2	1397.6	1544.9	1531.7	1552.9	1644.9
50°	1734.4	1426.5	1115.9	836.9	1097.5	1108.0	1268.6	1447.6	1447.6	1466.0	1563.3
52.5°	1558.0	1297.5	1013.3	758.0	984.3	1015.9	1155.4	1363.3	1368.6	1387.0	1473.9
55°	1397.6	1163.3	939.6	697.5	850.1	918.5	1044.9	1276.5	1287.0	1305.5	1384.3
57.5°	1250.2	968.5	923.8	626.4	726.4	792.2	947.5	1192.2	1197.5	1213.3	1289.6
60°	1092.2	700.1	847.5	550.1	618.5	668.5	858.0	1092.2	1110.6	1121.2	1187.0
62.5°	913.2	508.0	768.5	497.4	565.8	576.4	784.4	997.5	1021.2	1029.1	1068.5
65°	650.1	426.4	652.7	452.7	510.5	513.2	705.4	900.1	921.2	934.3	963.2
67.5°	439.5	347.4	497.4	410.6	468.5	471.1	629.1	786.9	815.9	826.4	844.8
70°	305.3	231.6	368.4	365.8	421.1	426.4	547.4	684.3	710.6	718.5	729.1
72.5°	223.7	186.8	305.3	329.0	371.1	376.4	463.2	568.5	594.8	602.7	608.0
75°	171.1	197.4	247.4	286.8	315.8	318.4	379.0	463.2	481.7	486.9	489.5
77.5°	136.9	184.3	181.6	231.6	258.0	252.7	297.4	358.0	373.7	373.7	373.7
80°	102.7	144.7	136.9	165.8	189.5	184.3	213.1	255.3	260.6	265.8	263.1
82.5°	76.3	92.1	92.1	105.3	126.3	121.1	142.1	165.8	165.8	165.8	171.1
85°	47.4	52.6	42.1	55.3	71.0	68.4	79.0	89.4	92.1	92.1	86.9
87.5°	29.0	23.7	13.1	21.0	31.6	31.6	36.9	39.4	36.9	36.9	36.9
90°	32.3	22.4	12.4	22.4	32.3	34.8	54.7	81.2	94.4	84.0	62.9
92.5°	218.7	134.2	49.7	134.2	218.7	239.8	337.1	466.9	531.8	466.0	334.7
95°	428.5	273.9	119.3	273.9	428.5	467.1	829.5	1312.6	1554.3	1386.9	1052.4
97.5°	479.1	342.6	206.3	342.6	479.1	513.1	1117.4	1923.1	2325.9	2220.1	2008.6
100°	520.7	397.0	273.3	397.0	520.7	551.7	1222.2	2116.1	2563.1	2570.9	2586.3
102.5°	561.2	445.9	330.5	445.9	561.2	590.1	1270.2	2176.9	2630.2	2765.0	3034.4
105°	622.9	525.1	427.4	525.1	622.9	647.3	1305.8	2183.7	2622.8	2924.9	3528.9
107.5°	709.0	617.9	526.8	617.9	709.0	731.8	1312.4	2086.6	2473.7	2895.0	3737.7
110°	758.5	676.2	593.9	676.2	758.5	779.0	1302.5	2000.5	2349.5	2820.5	3762.5



TEST NUMBER: P936092

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	816.5	738.1	659.8	738.1	816.5	836.1	1302.9	1925.2	2236.3	2718.4	3682.5
115°	903.8	831.5	759.2	831.5	903.8	921.9	1314.9	1838.9	2101.0	2565.3	3494.1
117.5°	988.7	923.0	857.3	923.0	988.7	1005.2	1339.3	1784.9	2007.7	2426.9	3265.1
120°	1038.1	976.3	914.4	976.3	1038.1	1053.6	1359.2	1766.7	1970.5	2353.4	3119.4
122.5°	1095.1	1032.8	970.3	1032.8	1095.1	1110.7	1387.8	1757.2	1941.9	2286.7	2976.4
125°	1169.8	1112.9	1056.1	1112.9	1169.8	1184.0	1426.3	1749.3	1910.8	2203.7	2789.6
127.5°	1240.5	1183.0	1125.7	1183.0	1240.5	1254.9	1464.8	1744.8	1884.7	2136.2	2639.3
130°	1286.6	1224.8	1162.9	1224.8	1286.6	1302.1	1493.0	1747.5	1874.8	2098.7	2546.6
132.5°	1325.2	1263.3	1201.5	1263.3	1325.2	1340.6	1515.8	1749.4	1866.1	2066.5	2467.4
135°	1371.3	1314.9	1258.5	1314.9	1371.3	1385.3	1540.6	1747.7	1851.2	2019.1	2354.8
137.5°	1428.5	1372.8	1317.0	1372.8	1428.5	1442.4	1577.9	1758.4	1848.8	1990.7	2274.5
140°	1468.1	1416.8	1365.4	1416.8	1468.1	1481.0	1600.7	1760.2	1840.0	1962.6	2207.8
142.5°	1497.7	1450.2	1402.7	1450.2	1497.7	1509.5	1619.7	1766.6	1840.0	1947.7	2163.0
145°	1542.7	1501.3	1459.8	1501.3	1542.7	1553.1	1644.6	1766.6	1827.6	1915.6	2091.8
147.5°	1597.7	1557.3	1517.0	1557.3	1597.7	1607.7	1681.0	1778.8	1827.6	1896.9	2035.4
150°	1627.2	1590.7	1554.3	1590.7	1627.2	1636.2	1700.0	1785.0	1827.6	1886.1	2003.2
152.5°	1648.1	1620.4	1592.8	1620.4	1648.1	1655.0	1712.5	1789.2	1827.6	1877.6	1977.5
155°	1690.8	1670.4	1650.0	1670.4	1690.8	1695.9	1739.8	1798.3	1827.6	1867.3	1946.9
157.5°	1731.9	1712.1	1692.2	1712.1	1731.9	1736.9	1767.1	1807.4	1827.6	1858.5	1920.4
160°	1751.7	1736.2	1720.8	1736.2	1751.7	1755.5	1779.6	1811.5	1827.6	1854.1	1907.1
162.5°	1772.6	1760.9	1749.4	1760.9	1772.6	1775.5	1792.8	1816.0	1827.6	1850.0	1894.7
165°	1801.4	1790.8	1780.4	1790.8	1801.4	1804.0	1811.8	1822.3	1827.6	1843.6	1875.7
167.5°	1818.9	1813.9	1808.9	1813.9	1818.9	1820.2	1826.8	1835.6	1840.0	1850.5	1871.5
170°	1837.5	1832.5	1827.6	1832.5	1837.5	1838.8	1839.2	1839.7	1840.0	1850.5	1871.5
172.5°	1839.7	1838.6	1837.5	1838.6	1839.7	1840.0	1840.0	1840.0	1840.0	1848.3	1864.8
175°	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1847.5	1842.5	1840.0	1845.3	1855.7
177.5°	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1848.3	1844.4	1842.5	1846.7	1855.0
180°	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2



TEST NUMBER: P936092

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9
2.5°	2684.5	2676.7	2687.2	2658.2	2687.2	2676.7	2684.5	2702.9	2687.2	2697.7	2708.2
5°	2355.5	2342.4	2300.3	2266.1	2300.3	2342.4	2355.5	2410.8	2437.1	2484.5	2547.7
7.5°	2105.5	2095.0	2084.4	2063.4	2084.4	2095.0	2105.5	2121.3	2147.7	2189.7	2237.1
10°	2050.3	2052.9	2068.7	2066.0	2068.7	2052.9	2050.3	2045.0	2037.1	2045.0	2074.0
12.5°	2192.4	2216.1	2303.0	2297.7	2303.0	2216.1	2192.4	2087.1	2016.0	2002.9	2008.1
15°	2355.5	2363.4	2381.8	2384.5	2381.8	2363.4	2355.5	2313.4	2100.3	2008.1	1979.2
17.5°	2371.4	2374.0	2387.1	2387.1	2387.1	2374.0	2371.4	2353.0	2281.8	2158.1	1995.0
20°	2358.2	2363.4	2389.8	2395.1	2389.8	2363.4	2358.2	2334.5	2295.0	2250.3	2126.6
22.5°	2353.0	2363.4	2384.5	2381.8	2384.5	2363.4	2353.0	2316.1	2281.8	2250.3	2200.3
25°	2326.6	2326.6	2329.2	2331.8	2329.2	2326.6	2326.6	2297.7	2229.2	2221.3	2192.4
27.5°	2271.4	2276.6	2292.4	2289.8	2292.4	2276.6	2271.4	2260.8	2187.1	2179.2	2158.1
30°	2221.3	2216.1	2202.9	2192.4	2202.9	2216.1	2221.3	2205.5	2131.8	2110.8	2116.0
32.5°	2137.1	2124.0	2110.8	2102.9	2110.8	2124.0	2137.1	2131.8	2076.6	2047.6	2052.9
35°	2037.1	2039.7	2037.1	2029.2	2037.1	2039.7	2037.1	2042.4	2008.1	1981.8	1979.2
37.5°	1966.0	1971.3	1968.7	1958.1	1968.7	1971.3	1966.0	1960.7	1913.4	1905.5	1910.7
40°	1892.3	1895.0	1892.3	1884.4	1892.3	1895.0	1892.3	1881.8	1816.0	1818.6	1837.0
42.5°	1821.3	1818.6	1810.7	1805.4	1810.7	1818.6	1821.3	1805.4	1721.3	1713.3	1747.6
45°	1739.7	1742.3	1726.6	1718.6	1726.6	1742.3	1739.7	1729.2	1642.3	1621.3	1644.9
47.5°	1658.1	1658.1	1644.9	1637.0	1644.9	1658.1	1658.1	1644.9	1552.9	1531.7	1544.9
50°	1571.3	1568.6	1550.2	1547.6	1550.2	1568.6	1571.3	1563.3	1466.0	1447.6	1447.6
52.5°	1471.2	1471.2	1473.9	1479.2	1473.9	1471.2	1471.2	1473.9	1387.0	1368.6	1363.3
55°	1384.3	1387.0	1405.5	1410.7	1405.5	1387.0	1384.3	1384.3	1305.5	1287.0	1276.5
57.5°	1294.9	1294.9	1308.0	1308.0	1308.0	1294.9	1294.9	1289.6	1213.3	1197.5	1192.2
60°	1192.2	1197.5	1208.0	1205.5	1208.0	1197.5	1192.2	1187.0	1121.2	1110.6	1092.2
62.5°	1084.3	1089.6	1092.2	1086.9	1092.2	1089.6	1084.3	1068.5	1029.1	1021.2	997.5
65°	971.2	976.5	979.1	973.8	979.1	976.5	971.2	963.2	934.3	921.2	900.1
67.5°	855.4	852.8	850.1	860.6	850.1	852.8	855.4	844.8	826.4	815.9	786.9
70°	736.9	736.9	734.3	739.5	734.3	736.9	736.9	729.1	718.5	710.6	684.3
72.5°	610.6	608.0	618.5	610.6	618.5	608.0	610.6	608.0	602.7	594.8	568.5
75°	486.9	492.1	486.9	494.8	486.9	492.1	486.9	489.5	486.9	481.7	463.2
77.5°	371.1	376.4	371.1	371.1	371.1	376.4	371.1	373.7	373.7	373.7	358.0
80°	263.1	260.6	260.6	258.0	260.6	260.6	263.1	263.1	265.8	260.6	255.3
82.5°	168.4	165.8	165.8	171.1	165.8	165.8	168.4	171.1	165.8	165.8	165.8
85°	92.1	94.7	89.4	89.4	89.4	94.7	92.1	86.9	92.1	92.1	89.4
87.5°	34.3	31.6	31.6	31.6	31.6	31.6	34.3	36.9	36.9	36.9	39.4
90°	47.2	47.2	47.2	47.2	47.2	47.2	47.2	62.9	84.0	94.4	81.2
92.5°	236.1	226.7	189.1	151.6	189.1	226.7	236.1	334.7	466.0	531.8	466.9
95°	801.4	772.9	659.2	545.4	659.2	772.9	801.4	1052.4	1386.9	1554.3	1312.6
97.5°	1850.0	1795.9	1579.4	1362.9	1579.4	1795.9	1850.0	2008.6	2220.1	2325.9	1923.1
100°	2597.9	2533.4	2275.6	2017.7	2275.6	2533.4	2597.9	2586.3	2570.9	2563.1	2116.1
102.5°	3236.5	3181.3	2960.4	2739.6	2960.4	3181.3	3236.5	3034.4	2765.0	2630.2	2176.9
105°	3982.0	3952.3	3833.6	3714.9	3833.6	3952.3	3982.0	3528.9	2924.9	2622.8	2183.7
107.5°	4369.7	4376.8	4405.5	4434.2	4405.5	4376.8	4369.7	3737.7	2895.0	2473.7	2086.6
110°	4469.1	4499.9	4623.6	4747.3	4623.6	4499.9	4469.1	3762.5	2820.5	2349.5	2000.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4405.6	4453.1	4643.1	4833.0	4643.1	4453.1	4405.6	3682.5	2718.4	2236.3	1925.2
115°	4190.7	4256.5	4519.9	4783.3	4519.9	4256.5	4190.7	3494.1	2565.3	2101.0	1838.9
117.5°	3893.8	3966.8	4258.9	4551.0	4258.9	3966.8	3893.8	3265.1	2426.9	2007.7	1784.9
120°	3693.8	3764.7	4048.5	4332.3	4048.5	3764.7	3693.8	3119.4	2353.4	1970.5	1766.7
122.5°	3493.7	3563.7	3843.7	4123.6	3843.7	3563.7	3493.7	2976.4	2286.7	1941.9	1757.2
125°	3229.0	3293.5	3551.4	3809.3	3551.4	3293.5	3229.0	2789.6	2203.7	1910.8	1749.3
127.5°	3016.6	3071.0	3288.6	3506.1	3288.6	3071.0	3016.6	2639.3	2136.2	1884.7	1744.8
130°	2882.4	2932.7	3133.7	3334.7	3133.7	2932.7	2882.4	2546.6	2098.7	1874.8	1747.5
132.5°	2768.1	2813.1	2993.1	3173.2	2993.1	2813.1	2768.1	2467.4	2066.5	1866.1	1749.4
135°	2606.6	2645.4	2800.6	2955.7	2800.6	2645.4	2606.6	2354.8	2019.1	1851.2	1747.7
137.5°	2487.3	2519.1	2646.1	2773.1	2646.1	2519.1	2487.3	2274.5	1990.7	1848.8	1758.4
140°	2391.7	2421.4	2540.1	2658.8	2540.1	2421.4	2391.7	2207.8	1962.6	1840.0	1760.2
142.5°	2324.6	2350.1	2452.3	2554.4	2452.3	2350.1	2324.6	2163.0	1947.7	1840.0	1766.6
145°	2224.0	2243.3	2320.6	2397.9	2320.6	2243.3	2224.0	2091.8	1915.6	1827.6	1766.6
147.5°	2139.4	2155.4	2219.5	2283.5	2219.5	2155.4	2139.4	2035.4	1896.9	1827.6	1778.8
150°	2091.0	2104.0	2155.9	2207.8	2155.9	2104.0	2091.0	2003.2	1886.1	1827.6	1785.0
152.5°	2052.5	2062.2	2101.5	2140.7	2101.5	2062.2	2052.5	1977.5	1877.6	1827.6	1789.2
155°	2006.5	2013.0	2039.0	2064.9	2039.0	2013.0	2006.5	1946.9	1867.3	1827.6	1798.3
157.5°	1966.8	1971.4	1989.5	2007.7	1989.5	1971.4	1966.8	1920.4	1858.5	1827.6	1807.4
160°	1946.9	1949.5	1960.0	1970.5	1960.0	1949.5	1946.9	1907.1	1854.1	1827.6	1811.5
162.5°	1928.3	1930.7	1940.6	1950.6	1940.6	1930.7	1928.3	1894.7	1850.0	1827.6	1816.0
165°	1899.7	1902.3	1912.8	1923.3	1912.8	1902.3	1899.7	1875.7	1843.6	1827.6	1822.3
167.5°	1887.2	1888.3	1892.8	1897.2	1892.8	1888.3	1887.2	1871.5	1850.5	1840.0	1835.6
170°	1887.2	1887.2	1887.2	1887.2	1887.2	1887.2	1887.2	1871.5	1850.5	1840.0	1839.7
172.5°	1877.3	1876.3	1872.5	1868.6	1872.5	1876.3	1877.3	1864.8	1848.3	1840.0	1840.0
175°	1863.6	1863.6	1863.6	1863.6	1863.6	1863.6	1863.6	1855.7	1845.3	1840.0	1842.5
177.5°	1861.1	1860.0	1855.5	1851.2	1855.5	1860.0	1861.1	1855.0	1846.7	1842.5	1844.4
180°	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2781.9	2781.9	2781.9	2781.9	2781.9
2.5°	2747.7	2760.9	2768.8	2779.3	2805.6
5°	2642.4	2692.4	2708.2	2747.7	2795.1
7.5°	2410.8	2563.5	2605.5	2700.4	2774.1
10°	2187.1	2339.8	2413.4	2637.2	2747.7
12.5°	2074.0	2163.4	2213.4	2526.7	2710.8
15°	2002.9	2066.0	2102.9	2379.2	2668.8
17.5°	1947.6	1992.4	2018.7	2234.5	2610.8
20°	1913.4	1934.4	1958.1	2129.2	2545.1
22.5°	1889.7	1876.6	1895.0	2055.5	2455.5
25°	1873.9	1823.9	1845.0	1997.6	2350.3
27.5°	1887.1	1776.6	1784.4	1945.0	2239.7
30°	1889.7	1718.6	1721.3	1889.7	2116.0
32.5°	1871.3	1658.1	1660.7	1821.3	1976.6
35°	1826.6	1587.0	1584.4	1742.3	1787.0
37.5°	1766.0	1510.7	1510.7	1655.5	1579.2
40°	1692.3	1434.3	1442.3	1542.3	1394.9
42.5°	1602.9	1352.8	1363.3	1392.3	1258.0
45°	1505.5	1273.9	1281.8	1176.5	1152.8
47.5°	1397.6	1192.2	1194.9	976.5	1118.6
50°	1268.6	1108.0	1097.5	836.9	1115.9
52.5°	1155.4	1015.9	984.3	758.0	1013.3
55°	1044.9	918.5	850.1	697.5	939.6
57.5°	947.5	792.2	726.4	626.4	923.8
60°	858.0	668.5	618.5	550.1	847.5
62.5°	784.4	576.4	565.8	497.4	768.5
65°	705.4	513.2	510.5	452.7	652.7
67.5°	629.1	471.1	468.5	410.6	497.4
70°	547.4	426.4	421.1	365.8	368.4
72.5°	463.2	376.4	371.1	329.0	305.3
75°	379.0	318.4	315.8	286.8	247.4
77.5°	297.4	252.7	258.0	231.6	181.6
80°	213.1	184.3	189.5	165.8	136.9
82.5°	142.1	121.1	126.3	105.3	92.1
85°	79.0	68.4	71.0	55.3	42.1
87.5°	36.9	31.6	31.6	21.0	13.1
90°	54.7	34.8	32.3	22.4	12.4
92.5°	337.1	239.8	218.7	134.2	49.7
95°	829.5	467.1	428.5	273.9	119.3
97.5°	1117.4	513.1	479.1	342.6	206.3
100°	1222.2	551.7	520.7	397.0	273.3
102.5°	1270.2	590.1	561.2	445.9	330.5
105°	1305.8	647.3	622.9	525.1	427.4
107.5°	1312.4	731.8	709.0	617.9	526.8
110°	1302.5	779.0	758.5	676.2	593.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1302.9	836.1	816.5	738.1	659.8
115°	1314.9	921.9	903.8	831.5	759.2
117.5°	1339.3	1005.2	988.7	923.0	857.3
120°	1359.2	1053.6	1038.1	976.3	914.4
122.5°	1387.8	1110.7	1095.1	1032.8	970.3
125°	1426.3	1184.0	1169.8	1112.9	1056.1
127.5°	1464.8	1254.9	1240.5	1183.0	1125.7
130°	1493.0	1302.1	1286.6	1224.8	1162.9
132.5°	1515.8	1340.6	1325.2	1263.3	1201.5
135°	1540.6	1385.3	1371.3	1314.9	1258.5
137.5°	1577.9	1442.4	1428.5	1372.8	1317.0
140°	1600.7	1481.0	1468.1	1416.8	1365.4
142.5°	1619.7	1509.5	1497.7	1450.2	1402.7
145°	1644.6	1553.1	1542.7	1501.3	1459.8
147.5°	1681.0	1607.7	1597.7	1557.3	1517.0
150°	1700.0	1636.2	1627.2	1590.7	1554.3
152.5°	1712.5	1655.0	1648.1	1620.4	1592.8
155°	1739.8	1695.9	1690.8	1670.4	1650.0
157.5°	1767.1	1736.9	1731.9	1712.1	1692.2
160°	1779.6	1755.5	1751.7	1736.2	1720.8
162.5°	1792.8	1775.5	1772.6	1760.9	1749.4
165°	1811.8	1804.0	1801.4	1790.8	1780.4
167.5°	1826.8	1820.2	1818.9	1813.9	1808.9
170°	1839.2	1838.8	1837.5	1832.5	1827.6
172.5°	1840.0	1840.0	1839.7	1838.6	1837.5
175°	1847.5	1851.2	1851.2	1851.2	1851.2
177.5°	1848.3	1851.2	1851.2	1851.2	1851.2
180°	1851.2	1851.2	1851.2	1851.2	1851.2



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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	12.42	13.18	13.48	14.24	15.68	15.26	16.02	16.32	17.08	18.52
	3H	12.89	13.57	13.96	14.64	16.10	16.60	17.28	17.67	18.35	19.81
	4H	13.08	13.72	14.15	14.79	16.26	17.04	17.69	18.12	18.76	20.22
	6H	13.19	13.78	14.28	14.86	16.33	17.32	17.92	18.41	18.99	20.47
	8H	13.19	13.75	14.28	14.84	16.31	17.39	17.96	18.49	19.05	20.52
	12H	13.16	13.69	14.25	14.78	16.27	17.43	17.97	18.53	19.05	20.54
4H	2H	13.44	14.09	14.53	15.16	16.62	15.66	16.30	16.74	17.37	18.83
	3H	14.46	15.00	15.55	16.10	17.57	17.15	17.69	18.25	18.79	20.27
	4H	14.73	15.23	15.83	16.31	17.81	17.68	18.17	18.78	19.26	20.76
	6H	14.85	15.27	15.96	16.39	17.88	18.04	18.46	19.15	19.58	21.07
	8H	14.86	15.25	15.96	16.35	17.86	18.15	18.54	19.25	19.64	21.15
	12H	14.82	15.17	15.94	16.29	17.80	18.20	18.56	19.32	19.67	21.18
8H	4H	15.18	15.57	16.28	16.68	18.18	17.80	18.19	18.90	19.29	20.80
	6H	15.44	15.76	16.56	16.91	18.41	18.23	18.56	19.36	19.70	21.20
	8H	15.48	15.76	16.61	16.89	18.41	18.38	18.67	19.52	19.79	21.32
	12H	15.46	15.71	16.59	16.83	18.39	18.48	18.73	19.61	19.85	21.41
12H	4H	15.18	15.54	16.30	16.65	18.17	17.75	18.11	18.88	19.23	20.74
	6H	15.50	15.78	16.63	16.91	18.43	18.23	18.51	19.36	19.64	21.16
	8H	15.56	15.81	16.70	16.93	18.49	18.38	18.63	19.52	19.76	21.32