

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: P936192

Luminaire Tested: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-8-2700K

Issue Date: 12/17/2024

**Test Information**

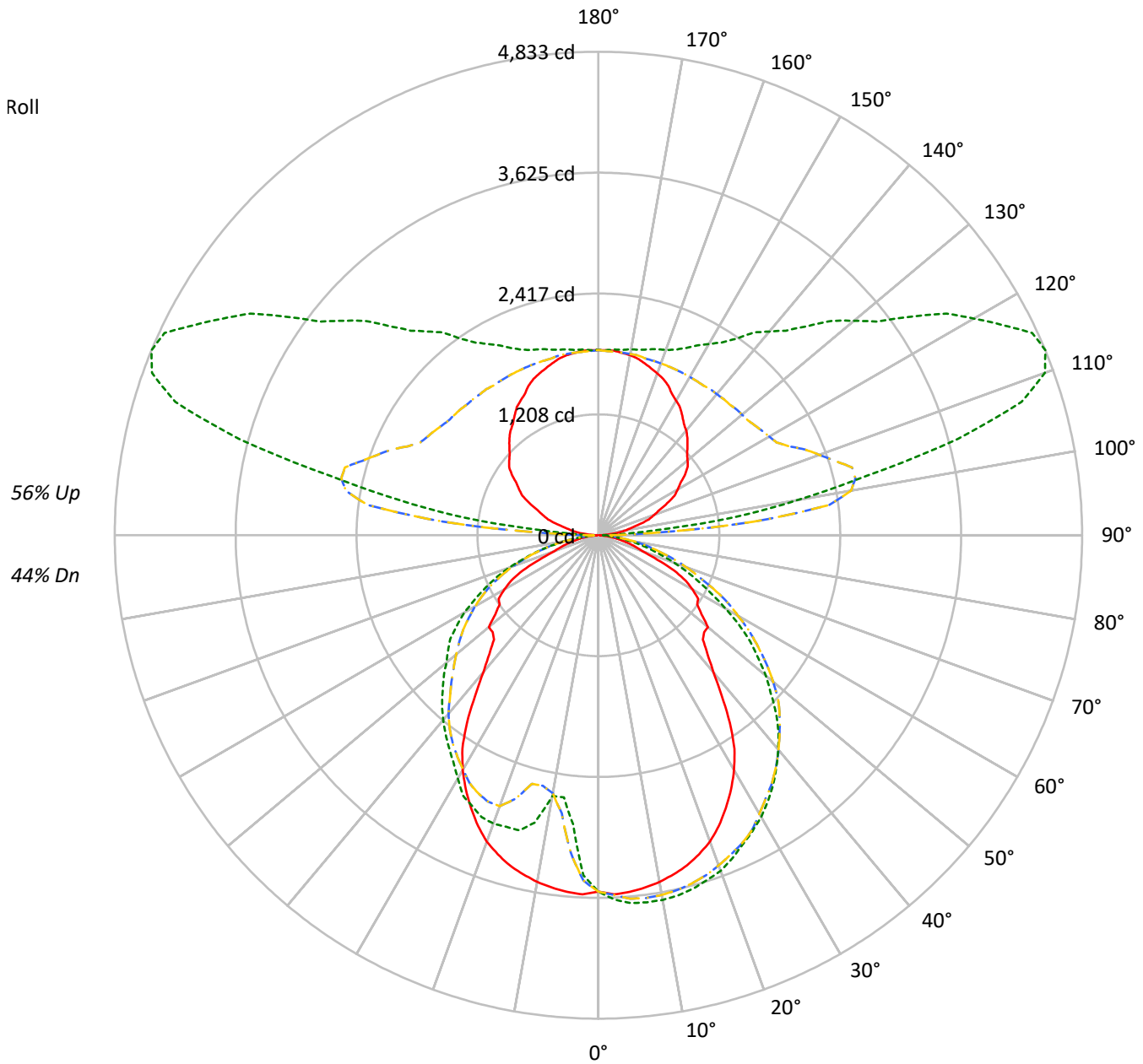
Test Method: LM-79-2019  
Report Number: P936192  
REPORT IS A COMBINATION OF REPORTS P933784 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-8-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21245.7 lumens  
Efficiency: N/A  
Efficacy: 127.7 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: 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-B2750-1D-UNV-STD-W-8-2700K

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	16530	16530	16530	16530
5°	16654	16687	16654	13121
10°	16543	16437	16543	11752
15°	16363	16081	16363	13428
20°	16020	15659	16020	13456
25°	15320	15044	15320	13171
30°	14415	14533	14415	12545
35°	12851	13887	12851	11857
40°	10708	13126	10708	11337
45°	9568	12236	9568	10739
50°	10164	11174	10164	10139
55°	9563	10030	9563	9792
60°	9857	8518	9857	8969
65°	8937	7041	8937	7871
70°	6189	5612	6189	6598
75°	5426	4148	5426	4967
80°	4374	2743	4374	2987
85°	2511	1453	2511	1235

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14664 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	321.6	1.5
10°-20°	913.1	4.3
20°-30°	1411.6	6.6
30°-40°	1685.1	7.9
40°-50°	1695.0	8.0
50°-60°	1474.8	6.9
60°-70°	1045.7	4.9
70°-80°	553.2	2.6
80°-90°	144.8	0.7
90°-100°	902.4	4.2
100°-110°	2372.4	11.2
110°-120°	2459.9	11.6
120°-130°	1973.1	9.3
130°-140°	1548.2	7.3
140°-150°	1188.3	5.6
150°-160°	855.8	4.0
160°-170°	523.6	2.5
170°-180°	176.9	0.8
0°-30°	2646.3	12.5
0°-40°	4331.4	20.4
0°-60°	7501.2	35.3
0°-90°	9245.0	43.5
90°-120°	5734.7	27.0
90°-150°	10444.4	49.2
90°-180°	12001.0	56.5
0°-180°	21245.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3563	3563	3563	3563	3563	
5°	3580	3691	3580	2902	3580	340
15°	3418	3657	3418	3054	3418	962
25°	3010	3411	3010	2986	3010	1382
35°	2289	3044	2289	2599	2289	1416
45°	1476	2508	1476	2201	1476	1183
55°	1203	1851	1203	1807	1203	1106
65°	836	1116	836	1247	836	799
75°	317	529	317	634	317	333
85°	54	135	54	115	54	73
90°	12	47	12	47	12	13
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°	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9
2.5°	3593.2	3593.2	3613.4	3620.2	3620.2	3610.1	3599.9	3610.1	3640.4	3650.5	3647.2
5°	3579.7	3606.7	3643.8	3650.5	3657.2	3653.9	3647.2	3653.9	3687.6	3694.4	3697.7
7.5°	3552.7	3603.3	3650.5	3660.6	3670.8	3660.6	3657.2	3664.0	3697.7	3704.4	3704.4
10°	3519.1	3589.9	3643.8	3650.5	3660.6	3650.5	3650.5	3664.0	3697.7	3704.4	3707.8
12.5°	3471.9	3569.6	3620.2	3626.9	3640.4	3637.0	3633.7	3647.2	3680.8	3687.6	3687.6
15°	3418.0	3532.5	3579.7	3586.5	3610.1	3603.3	3603.3	3616.8	3653.9	3664.0	3660.6
17.5°	3343.8	3485.3	3539.3	3549.3	3566.3	3562.9	3566.3	3579.7	3613.4	3620.2	3623.5
20°	3259.5	3421.3	3485.3	3495.5	3512.3	3512.3	3512.3	3529.1	3562.9	3576.3	3576.3
22.5°	3144.9	3353.9	3421.3	3428.0	3448.3	3448.3	3455.0	3478.6	3508.9	3512.3	3512.3
25°	3010.1	3279.7	3337.0	3357.2	3377.4	3387.6	3397.8	3411.2	3421.3	3418.0	3421.3
27.5°	2868.5	3185.3	3259.5	3273.0	3299.9	3310.1	3323.6	3326.9	3330.3	3340.4	3333.6
30°	2710.1	3053.9	3165.1	3178.6	3222.5	3229.1	3215.7	3222.5	3239.3	3246.1	3252.7
32.5°	2531.4	2858.4	3067.4	3097.8	3138.2	3118.0	3114.6	3124.7	3151.6	3151.6	3158.4
35°	2288.7	2706.7	2976.3	3003.3	3033.6	3010.1	3023.6	3026.9	3043.8	3053.9	3050.5
37.5°	2022.5	2575.3	2882.0	2902.2	2925.8	2895.5	2915.7	2925.8	2939.3	2932.5	2932.5
40°	1786.5	2369.6	2770.8	2784.2	2804.4	2780.8	2801.1	2807.8	2814.6	2807.8	2804.4
42.5°	1611.2	2143.8	2652.7	2669.6	2656.1	2673.0	2679.7	2693.2	2683.1	2669.6	2669.6
45°	1476.4	2083.1	2524.7	2544.9	2524.7	2551.7	2561.8	2561.8	2531.4	2524.7	2521.3
47.5°	1432.5	1961.7	2396.6	2396.6	2386.5	2420.2	2437.0	2413.4	2383.1	2373.0	2373.0
50°	1429.2	1827.0	2221.3	2207.8	2255.0	2295.5	2278.6	2255.0	2231.4	2194.4	2194.4
52.5°	1297.7	1661.7	1995.5	2046.1	2120.2	2143.8	2116.8	2093.2	2052.8	2035.9	2022.5
55°	1203.4	1489.9	1789.9	1891.0	1968.5	1998.9	1948.3	1924.7	1864.0	1854.0	1847.2
57.5°	1183.1	1240.4	1601.1	1729.2	1823.6	1820.2	1789.9	1746.1	1695.5	1685.3	1682.0
60°	1085.3	896.6	1398.9	1550.6	1648.3	1638.2	1611.2	1570.8	1523.6	1516.8	1510.1
62.5°	984.2	650.6	1169.6	1341.5	1479.8	1476.4	1452.8	1392.1	1358.4	1341.5	1328.1
65°	835.9	546.1	832.6	1115.7	1314.6	1321.3	1270.8	1227.0	1189.8	1169.6	1166.3
67.5°	637.0	444.9	562.9	930.4	1156.2	1149.4	1085.3	1065.1	1018.0	1007.9	987.6
70°	471.9	296.6	391.0	755.1	1001.1	984.2	933.7	910.1	866.3	842.7	829.2
72.5°	391.0	239.3	286.5	586.5	842.7	822.5	778.7	751.7	714.6	694.4	680.9
75°	316.8	252.8	219.1	434.9	684.3	670.8	630.4	603.4	573.0	546.1	549.4
77.5°	232.6	236.0	175.3	320.2	542.7	522.5	498.9	465.1	451.7	424.7	424.7
80°	175.3	185.4	131.5	219.1	391.0	391.0	370.8	347.2	323.6	310.2	310.2
82.5°	117.9	117.9	97.7	138.2	266.3	256.2	242.7	236.0	222.5	215.7	215.7
85°	53.9	67.4	60.7	84.3	144.9	151.7	151.7	144.9	141.5	134.9	138.2
87.5°	16.8	30.4	37.1	47.2	74.2	77.5	80.9	80.9	80.9	84.3	84.3
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°	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9
2.5°	3653.9	3643.8	3653.9	3647.2	3650.5	3640.4	3610.1	3599.9	3610.1	3620.2	3620.2
5°	3697.7	3691.0	3697.7	3697.7	3694.4	3687.6	3653.9	3647.2	3653.9	3657.2	3650.5
7.5°	3711.2	3701.0	3711.2	3704.4	3704.4	3697.7	3664.0	3657.2	3660.6	3670.8	3660.6
10°	3711.2	3701.0	3711.2	3707.8	3704.4	3697.7	3664.0	3650.5	3650.5	3660.6	3650.5
12.5°	3694.4	3687.6	3694.4	3687.6	3687.6	3680.8	3647.2	3633.7	3637.0	3640.4	3626.9
15°	3667.4	3657.2	3667.4	3660.6	3664.0	3653.9	3616.8	3603.3	3603.3	3610.1	3586.5
17.5°	3626.9	3613.4	3626.9	3623.5	3620.2	3613.4	3579.7	3566.3	3562.9	3566.3	3549.3
20°	3579.7	3569.6	3579.7	3576.3	3576.3	3562.9	3529.1	3512.3	3512.3	3512.3	3495.5
22.5°	3505.5	3495.5	3505.5	3512.3	3512.3	3508.9	3478.6	3455.0	3448.3	3448.3	3428.0
25°	3421.3	3411.2	3421.3	3421.3	3418.0	3421.3	3411.2	3397.8	3387.6	3377.4	3357.2
27.5°	3340.4	3333.6	3340.4	3333.6	3340.4	3330.3	3326.9	3323.6	3310.1	3299.9	3273.0
30°	3259.5	3252.7	3259.5	3252.7	3246.1	3239.3	3222.5	3215.7	3229.1	3222.5	3178.6
32.5°	3158.4	3151.6	3158.4	3158.4	3151.6	3151.6	3124.7	3114.6	3118.0	3138.2	3097.8
35°	3053.9	3043.8	3053.9	3050.5	3053.9	3043.8	3026.9	3023.6	3010.1	3033.6	3003.3
37.5°	2932.5	2922.5	2932.5	2932.5	2932.5	2939.3	2925.8	2915.7	2895.5	2925.8	2902.2
40°	2807.8	2794.4	2807.8	2804.4	2807.8	2814.6	2807.8	2801.1	2780.8	2804.4	2784.2
42.5°	2666.3	2662.9	2666.3	2669.6	2669.6	2683.1	2693.2	2679.7	2673.0	2656.1	2669.6
45°	2514.6	2507.8	2514.6	2521.3	2524.7	2531.4	2561.8	2561.8	2551.7	2524.7	2544.9
47.5°	2352.8	2335.9	2352.8	2373.0	2373.0	2383.1	2413.4	2437.0	2420.2	2386.5	2396.6
50°	2180.8	2184.2	2180.8	2194.4	2194.4	2231.4	2255.0	2278.6	2295.5	2255.0	2207.8
52.5°	2012.3	2008.9	2012.3	2022.5	2035.9	2052.8	2093.2	2116.8	2143.8	2120.2	2046.1
55°	1843.8	1850.6	1843.8	1847.2	1854.0	1864.0	1924.7	1948.3	1998.9	1968.5	1891.0
57.5°	1675.3	1665.1	1675.3	1682.0	1685.3	1695.5	1746.1	1789.9	1820.2	1823.6	1729.2
60°	1479.8	1466.3	1479.8	1510.1	1516.8	1523.6	1570.8	1611.2	1638.2	1648.3	1550.6
62.5°	1307.8	1284.2	1307.8	1328.1	1341.5	1358.4	1392.1	1452.8	1476.4	1479.8	1341.5
65°	1125.8	1115.7	1125.8	1166.3	1169.6	1189.8	1227.0	1270.8	1321.3	1314.6	1115.7
67.5°	960.6	960.6	960.6	987.6	1007.9	1018.0	1065.1	1085.3	1149.4	1156.2	930.4
70°	809.0	805.6	809.0	829.2	842.7	866.3	910.1	933.7	984.2	1001.1	755.1
72.5°	664.0	660.6	664.0	680.9	694.4	714.6	751.7	778.7	822.5	842.7	586.5
75°	535.9	529.2	535.9	549.4	546.1	573.0	603.4	630.4	670.8	684.3	434.9
77.5°	411.2	411.2	411.2	424.7	424.7	451.7	465.1	498.9	522.5	542.7	320.2
80°	306.8	303.4	306.8	310.2	310.2	323.6	347.2	370.8	391.0	391.0	219.1
82.5°	215.7	209.0	215.7	215.7	215.7	222.5	236.0	242.7	256.2	266.3	138.2
85°	134.9	134.9	134.9	138.2	134.9	141.5	144.9	151.7	151.7	144.9	84.3
87.5°	87.6	84.3	87.6	84.3	84.3	80.9	80.9	80.9	77.5	74.2	47.2
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





TEST NUMBER: P936192

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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



TEST NUMBER: P936192

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9
2.5°	3613.4	3593.2	3593.2	3559.5	3546.1	3535.9	3519.1	3468.5	3455.0	3441.5	3461.8
5°	3643.8	3606.7	3579.7	3519.1	3468.5	3448.3	3384.2	3262.9	3182.0	3121.3	3087.6
7.5°	3650.5	3603.3	3552.7	3458.4	3337.0	3283.1	3087.6	2865.1	2804.4	2750.6	2716.8
10°	3643.8	3589.9	3519.1	3377.4	3091.0	2996.6	2801.1	2656.1	2619.1	2608.9	2619.1
12.5°	3620.2	3569.6	3471.9	3235.9	2834.8	2770.8	2656.1	2571.9	2565.1	2582.0	2673.0
15°	3579.7	3532.5	3418.0	3047.2	2693.2	2646.1	2565.1	2534.8	2571.9	2689.9	2962.9
17.5°	3539.3	3485.3	3343.8	2861.8	2585.3	2551.7	2494.4	2555.0	2764.0	2922.5	3013.4
20°	3485.3	3421.3	3259.5	2726.9	2507.8	2477.5	2450.6	2723.6	2882.0	2939.3	2989.9
22.5°	3421.3	3353.9	3144.9	2632.5	2427.0	2403.3	2420.2	2818.0	2882.0	2922.5	2966.3
25°	3337.0	3279.7	3010.1	2558.4	2362.9	2335.9	2400.0	2807.8	2844.9	2855.0	2942.7
27.5°	3259.5	3185.3	2868.5	2491.0	2285.3	2275.3	2416.8	2764.0	2791.0	2801.1	2895.5
30°	3165.1	3053.9	2710.1	2420.2	2204.4	2201.1	2420.2	2710.1	2703.3	2730.3	2824.7
32.5°	3067.4	2858.4	2531.4	2332.5	2127.0	2123.6	2396.6	2629.1	2622.5	2659.5	2730.3
35°	2976.3	2706.7	2288.7	2231.4	2029.2	2032.5	2339.3	2534.8	2538.2	2571.9	2615.7
37.5°	2882.0	2575.3	2022.5	2120.2	1934.8	1934.8	2261.7	2447.2	2440.4	2450.6	2511.2
40°	2770.8	2369.6	1786.5	1975.3	1847.2	1837.0	2167.4	2352.8	2329.1	2325.9	2410.1
42.5°	2652.7	2143.8	1611.2	1783.1	1746.1	1732.5	2052.8	2238.2	2194.4	2204.4	2312.3
45°	2524.7	2083.1	1476.4	1506.7	1641.5	1631.4	1928.1	2106.7	2076.4	2103.4	2214.6
47.5°	2396.6	1961.7	1432.5	1250.6	1530.4	1527.0	1789.9	1978.7	1961.7	1988.7	2106.7
50°	2221.3	1827.0	1429.2	1071.9	1405.6	1419.1	1624.7	1854.0	1854.0	1877.5	2002.3
52.5°	1995.5	1661.7	1297.7	970.8	1260.6	1301.1	1479.8	1746.1	1752.8	1776.4	1887.6
55°	1789.9	1489.9	1203.4	893.2	1088.7	1176.4	1338.2	1634.8	1648.3	1671.9	1773.0
57.5°	1601.1	1240.4	1183.1	802.3	930.4	1014.6	1213.4	1527.0	1533.6	1554.0	1651.7
60°	1398.9	896.6	1085.3	704.5	792.1	856.2	1098.9	1398.9	1422.5	1435.9	1520.2
62.5°	1169.6	650.6	984.2	637.0	724.7	738.2	1004.5	1277.5	1307.8	1318.0	1368.5
65°	832.6	546.1	835.9	579.8	653.9	657.3	903.4	1152.8	1179.8	1196.6	1233.6
67.5°	562.9	444.9	637.0	525.8	600.0	603.4	805.6	1007.9	1044.9	1058.4	1082.1
70°	391.0	296.6	471.9	468.5	539.3	546.1	701.1	876.4	910.1	920.2	933.7
72.5°	286.5	239.3	391.0	421.3	475.3	482.1	593.2	728.1	761.7	771.9	778.7
75°	219.1	252.8	316.8	367.4	404.5	407.9	485.4	593.2	616.8	623.6	627.0
77.5°	175.3	236.0	232.6	296.6	330.4	323.6	380.9	458.5	478.7	478.7	478.7
80°	131.5	185.4	175.3	212.3	242.7	236.0	273.0	327.0	333.7	340.4	337.0
82.5°	97.7	117.9	117.9	134.9	161.8	155.1	182.1	212.3	212.3	212.3	219.1
85°	60.7	67.4	53.9	70.8	91.0	87.6	101.1	114.6	117.9	117.9	111.3
87.5°	37.1	30.4	16.8	27.0	40.4	40.4	47.2	50.6	47.2	47.2	47.2
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: P936192

CATALOG NUMBER: SQ4-FA-150U-125D-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: P936192

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9
2.5°	3438.2	3428.0	3441.5	3404.4	3441.5	3428.0	3438.2	3461.8	3441.5	3455.0	3468.5
5°	3016.8	3000.0	2946.1	2902.2	2946.1	3000.0	3016.8	3087.6	3121.3	3182.0	3262.9
7.5°	2696.6	2683.1	2669.6	2642.7	2669.6	2683.1	2696.6	2716.8	2750.6	2804.4	2865.1
10°	2625.9	2629.1	2649.4	2646.1	2649.4	2629.1	2625.9	2619.1	2608.9	2619.1	2656.1
12.5°	2807.8	2838.2	2949.4	2942.7	2949.4	2838.2	2807.8	2673.0	2582.0	2565.1	2571.9
15°	3016.8	3026.9	3050.5	3053.9	3050.5	3026.9	3016.8	2962.9	2689.9	2571.9	2534.8
17.5°	3037.0	3040.4	3057.2	3057.2	3057.2	3040.4	3037.0	3013.4	2922.5	2764.0	2555.0
20°	3020.2	3026.9	3060.6	3067.4	3060.6	3026.9	3020.2	2989.9	2939.3	2882.0	2723.6
22.5°	3013.4	3026.9	3053.9	3050.5	3053.9	3026.9	3013.4	2966.3	2922.5	2882.0	2818.0
25°	2979.7	2979.7	2983.1	2986.5	2983.1	2979.7	2979.7	2942.7	2855.0	2844.9	2807.8
27.5°	2908.9	2915.7	2935.9	2932.5	2935.9	2915.7	2908.9	2895.5	2801.1	2791.0	2764.0
30°	2844.9	2838.2	2821.3	2807.8	2821.3	2838.2	2844.9	2824.7	2730.3	2703.3	2710.1
32.5°	2737.0	2720.2	2703.3	2693.2	2703.3	2720.2	2737.0	2730.3	2659.5	2622.5	2629.1
35°	2608.9	2612.3	2608.9	2598.9	2608.9	2612.3	2608.9	2615.7	2571.9	2538.2	2534.8
37.5°	2518.0	2524.7	2521.3	2507.8	2521.3	2524.7	2518.0	2511.2	2450.6	2440.4	2447.2
40°	2423.6	2427.0	2423.6	2413.4	2423.6	2427.0	2423.6	2410.1	2325.9	2329.1	2352.8
42.5°	2332.5	2329.1	2319.1	2312.3	2319.1	2329.1	2332.5	2312.3	2204.4	2194.4	2238.2
45°	2228.1	2231.4	2211.2	2201.1	2211.2	2231.4	2228.1	2214.6	2103.4	2076.4	2106.7
47.5°	2123.6	2123.6	2106.7	2096.6	2106.7	2123.6	2123.6	2106.7	1988.7	1961.7	1978.7
50°	2012.3	2008.9	1985.3	1982.0	1985.3	2008.9	2012.3	2002.3	1877.5	1854.0	1854.0
52.5°	1884.2	1884.2	1887.6	1894.4	1887.6	1884.2	1884.2	1887.6	1776.4	1752.8	1746.1
55°	1773.0	1776.4	1800.0	1806.7	1800.0	1776.4	1773.0	1773.0	1671.9	1648.3	1634.8
57.5°	1658.4	1658.4	1675.3	1675.3	1675.3	1658.4	1658.4	1651.7	1554.0	1533.6	1527.0
60°	1527.0	1533.6	1547.2	1543.8	1547.2	1533.6	1527.0	1520.2	1435.9	1422.5	1398.9
62.5°	1388.7	1395.5	1398.9	1392.1	1398.9	1395.5	1388.7	1368.5	1318.0	1307.8	1277.5
65°	1243.8	1250.6	1254.0	1247.2	1254.0	1250.6	1243.8	1233.6	1196.6	1179.8	1152.8
67.5°	1095.5	1092.1	1088.7	1102.3	1088.7	1092.1	1095.5	1082.1	1058.4	1044.9	1007.9
70°	943.8	943.8	940.4	947.2	940.4	943.8	943.8	933.7	920.2	910.1	876.4
72.5°	782.1	778.7	792.1	782.1	792.1	778.7	782.1	778.7	771.9	761.7	728.1
75°	623.6	630.4	623.6	633.7	623.6	630.4	623.6	627.0	623.6	616.8	593.2
77.5°	475.3	482.1	475.3	475.3	475.3	482.1	475.3	478.7	478.7	478.7	458.5
80°	337.0	333.7	333.7	330.4	333.7	333.7	337.0	337.0	340.4	333.7	327.0
82.5°	215.7	212.3	212.3	219.1	212.3	212.3	215.7	219.1	212.3	212.3	212.3
85°	117.9	121.3	114.6	114.6	114.6	121.3	117.9	111.3	117.9	117.9	114.6
87.5°	43.8	40.4	40.4	40.4	40.4	40.4	43.8	47.2	47.2	47.2	50.6
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°	3562.9	3562.9	3562.9	3562.9	3562.9
2.5°	3519.1	3535.9	3546.1	3559.5	3593.2
5°	3384.2	3448.3	3468.5	3519.1	3579.7
7.5°	3087.6	3283.1	3337.0	3458.4	3552.7
10°	2801.1	2996.6	3091.0	3377.4	3519.1
12.5°	2656.1	2770.8	2834.8	3235.9	3471.9
15°	2565.1	2646.1	2693.2	3047.2	3418.0
17.5°	2494.4	2551.7	2585.3	2861.8	3343.8
20°	2450.6	2477.5	2507.8	2726.9	3259.5
22.5°	2420.2	2403.3	2427.0	2632.5	3144.9
25°	2400.0	2335.9	2362.9	2558.4	3010.1
27.5°	2416.8	2275.3	2285.3	2491.0	2868.5
30°	2420.2	2201.1	2204.4	2420.2	2710.1
32.5°	2396.6	2123.6	2127.0	2332.5	2531.4
35°	2339.3	2032.5	2029.2	2231.4	2288.7
37.5°	2261.7	1934.8	1934.8	2120.2	2022.5
40°	2167.4	1837.0	1847.2	1975.3	1786.5
42.5°	2052.8	1732.5	1746.1	1783.1	1611.2
45°	1928.1	1631.4	1641.5	1506.7	1476.4
47.5°	1789.9	1527.0	1530.4	1250.6	1432.5
50°	1624.7	1419.1	1405.6	1071.9	1429.2
52.5°	1479.8	1301.1	1260.6	970.8	1297.7
55°	1338.2	1176.4	1088.7	893.2	1203.4
57.5°	1213.4	1014.6	930.4	802.3	1183.1
60°	1098.9	856.2	792.1	704.5	1085.3
62.5°	1004.5	738.2	724.7	637.0	984.2
65°	903.4	657.3	653.9	579.8	835.9
67.5°	805.6	603.4	600.0	525.8	637.0
70°	701.1	546.1	539.3	468.5	471.9
72.5°	593.2	482.1	475.3	421.3	391.0
75°	485.4	407.9	404.5	367.4	316.8
77.5°	380.9	323.6	330.4	296.6	232.6
80°	273.0	236.0	242.7	212.3	175.3
82.5°	182.1	155.1	161.8	134.9	117.9
85°	101.1	87.6	91.0	70.8	53.9
87.5°	47.2	40.4	40.4	27.0	16.8
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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CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-8-2700K

**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	13.92	14.73	14.93	15.75	17.11	16.76	17.57	17.77	18.59	19.95
	3H	14.40	15.12	15.42	16.15	17.53	18.10	18.83	19.13	19.86	21.24
	4H	14.58	15.27	15.62	16.30	17.69	18.55	19.23	19.58	20.26	21.65
	6H	14.70	15.33	15.74	16.37	17.77	18.83	19.46	19.88	20.50	21.90
	8H	14.70	15.30	15.75	16.35	17.75	18.91	19.50	19.95	20.56	21.95
	12H	14.67	15.24	15.72	16.28	17.71	18.94	19.51	20.00	20.56	21.98
4H	2H	14.95	15.63	15.99	16.67	18.06	17.16	17.85	18.20	18.88	20.27
	3H	15.97	16.54	17.02	17.60	19.00	18.67	19.24	19.71	20.30	21.70
	4H	16.25	16.77	17.30	17.82	19.24	19.19	19.71	20.25	20.77	22.19
	6H	16.37	16.82	17.43	17.89	19.31	19.56	20.01	20.62	21.08	22.50
	8H	16.37	16.79	17.44	17.86	19.29	19.66	20.08	20.73	21.15	22.58
	12H	16.34	16.72	17.42	17.80	19.24	19.72	20.10	20.80	21.18	22.62
8H	4H	16.70	17.12	17.76	18.18	19.62	19.31	19.73	20.38	20.80	22.23
	6H	16.96	17.30	18.04	18.41	19.84	19.75	20.09	20.84	21.20	22.64
	8H	17.00	17.30	18.09	18.39	19.85	19.90	20.21	21.00	21.30	22.75
	12H	16.98	17.25	18.08	18.33	19.83	20.00	20.27	21.10	21.35	22.84
12H	4H	16.70	17.08	17.78	18.16	19.60	19.27	19.65	20.36	20.73	22.17
	6H	17.02	17.32	18.11	18.41	19.86	19.75	20.05	20.84	21.14	22.59
	8H	17.08	17.35	18.18	18.44	19.93	19.91	20.17	21.00	21.26	22.75