

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: P934867

Luminaire Tested: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

**Test Information**

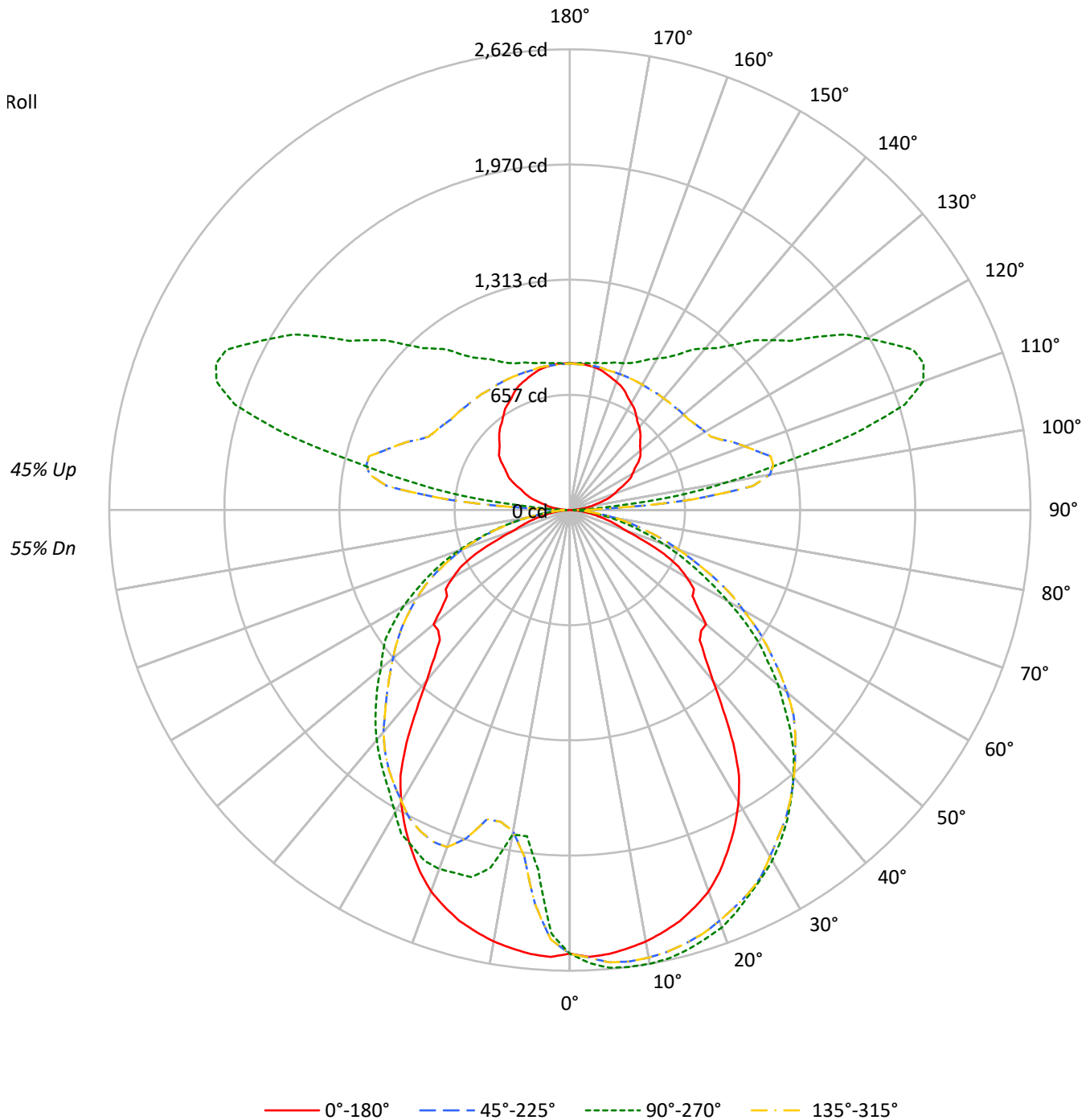
Test Method: LM-79-2019  
Report Number: P934867  
REPORT IS A COMBINATION OF REPORTS P933716 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11978.9 lumens  
Efficiency: N/A  
Efficacy: 117.0 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): 102.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	14

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

	0°	90°	180°	270°
0°	11730	11730	11730	11730
5°	11818	11841	11818	9310
10°	11738	11663	11738	8339
15°	11611	11411	11611	9528
20°	11368	11112	11368	9548
25°	10871	10675	10871	9346
30°	10228	10313	10228	8902
35°	9118	9854	9118	8413
40°	7598	9314	7598	8045
45°	6789	8682	6789	7621
50°	7212	7929	7212	7195
55°	6786	7117	6786	6949
60°	6995	6045	6995	6364
65°	6342	4997	6342	5585
70°	4391	3982	4391	4682
75°	3850	2944	3850	3525
80°	3104	1945	3104	2119
85°	1784	1031	1784	876

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10405 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.2	1.9
10°-20°	648.0	5.4
20°-30°	1001.6	8.4
30°-40°	1195.7	10.0
40°-50°	1202.7	10.0
50°-60°	1046.5	8.7
60°-70°	742.0	6.2
70°-80°	392.6	3.3
80°-90°	101.0	0.8
90°-100°	407.6	3.4
100°-110°	1071.6	8.9
110°-120°	1111.1	9.3
120°-130°	891.2	7.4
130°-140°	699.3	5.8
140°-150°	536.7	4.5
150°-160°	386.5	3.2
160°-170°	236.5	2.0
170°-180°	79.9	0.7
0°-30°	1877.8	15.7
0°-40°	3073.5	25.7
0°-60°	5322.8	44.4
0°-90°	6558.4	54.7
90°-120°	2590.3	21.6
90°-150°	4717.6	39.4
90°-180°	5421.0	45.3
0°-180°	11978.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2528	2528	2528	2528	2528	
5°	2540	2619	2540	2059	2540	241
15°	2425	2595	2425	2167	2425	682
25°	2136	2421	2136	2119	2136	981
35°	1624	2160	1624	1844	1624	1005
45°	1048	1780	1048	1562	1048	839
55°	854	1313	854	1282	854	785
65°	593	792	593	885	593	567
75°	225	376	225	450	225	236
85°	38	96	38	81	38	52
90°	6	21	6	21	6	6
95°	54	246	54	246	54	60
105°	193	1678	193	1678	193	205
115°	343	2160	343	2160	343	339
125°	477	1721	477	1721	477	423
135°	568	1335	568	1335	568	440
145°	659	1083	659	1083	659	413
155°	745	933	745	933	745	342
165°	804	869	804	869	804	227
175°	836	842	836	842	836	79
180°	836	836	836	836	836	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2
2.5°	2549.7	2549.7	2564.0	2568.8	2568.8	2561.7	2554.5	2561.7	2583.2	2590.4	2588.0
5°	2540.2	2559.3	2585.6	2590.4	2595.2	2592.7	2588.0	2592.7	2616.7	2621.5	2623.9
7.5°	2521.1	2556.9	2590.4	2597.5	2604.8	2597.5	2595.2	2600.0	2623.9	2628.7	2628.7
10°	2497.1	2547.3	2585.6	2590.4	2597.5	2590.4	2590.4	2600.0	2623.9	2628.7	2631.0
12.5°	2463.6	2533.0	2568.8	2573.6	2583.2	2580.8	2578.4	2588.0	2611.9	2616.7	2616.7
15°	2425.4	2506.7	2540.2	2545.0	2561.7	2556.9	2556.9	2566.5	2592.7	2600.0	2597.5
17.5°	2372.7	2473.2	2511.5	2518.6	2530.6	2528.2	2530.6	2540.2	2564.0	2568.8	2571.3
20°	2313.0	2427.7	2473.2	2480.3	2492.4	2492.4	2492.4	2504.3	2528.2	2537.8	2537.8
22.5°	2231.6	2379.9	2427.7	2432.5	2446.8	2446.8	2451.6	2468.4	2489.9	2492.4	2492.4
25°	2135.9	2327.3	2367.9	2382.3	2396.7	2403.8	2411.0	2420.6	2427.7	2425.4	2427.7
27.5°	2035.4	2260.3	2313.0	2322.5	2341.7	2348.8	2358.4	2360.8	2363.2	2370.3	2365.5
30°	1923.0	2167.0	2246.0	2255.6	2286.6	2291.4	2281.8	2286.6	2298.6	2303.4	2308.2
32.5°	1796.3	2028.3	2176.6	2198.1	2226.8	2212.5	2210.0	2217.3	2236.4	2236.4	2241.2
35°	1624.0	1920.7	2112.0	2131.1	2152.7	2135.9	2145.5	2147.9	2159.9	2167.0	2164.6
37.5°	1435.1	1827.3	2045.0	2059.4	2076.2	2054.6	2068.9	2076.2	2085.7	2081.0	2081.0
40°	1267.7	1681.5	1966.1	1975.7	1990.0	1973.3	1987.6	1992.4	1997.2	1992.4	1990.0
42.5°	1143.3	1521.2	1882.4	1894.3	1884.8	1896.8	1901.6	1911.1	1903.9	1894.3	1894.3
45°	1047.6	1478.1	1791.5	1805.9	1791.5	1810.7	1817.8	1817.8	1796.3	1791.5	1789.1
47.5°	1016.6	1392.0	1700.6	1700.6	1693.5	1717.4	1729.3	1712.6	1691.0	1683.9	1683.9
50°	1014.1	1296.4	1576.2	1566.7	1600.1	1628.8	1616.9	1600.1	1583.4	1557.1	1557.1
52.5°	920.9	1179.2	1415.9	1451.9	1504.5	1521.2	1502.1	1485.4	1456.7	1444.7	1435.1
55°	853.9	1057.2	1270.1	1341.8	1396.8	1418.4	1382.5	1365.8	1322.7	1315.6	1310.8
57.5°	839.5	880.2	1136.2	1227.0	1294.0	1291.6	1270.1	1239.0	1203.1	1195.9	1193.5
60°	770.2	636.2	992.6	1100.2	1169.6	1162.4	1143.3	1114.6	1081.1	1076.3	1071.5
62.5°	698.4	461.6	829.9	952.0	1050.0	1047.6	1030.9	987.8	963.9	952.0	942.4
65°	593.2	387.5	590.8	791.7	932.9	937.6	901.7	870.7	844.3	829.9	827.6
67.5°	452.0	315.7	399.4	660.1	820.4	815.6	770.2	755.8	722.3	715.2	700.8
70°	334.8	210.4	277.4	535.8	710.4	698.4	662.6	645.8	614.7	597.9	588.4
72.5°	277.4	169.8	203.3	416.2	597.9	583.6	552.5	533.4	507.1	492.7	483.2
75°	224.8	179.4	155.5	308.6	485.5	476.0	447.2	428.1	406.6	387.5	389.9
77.5°	165.0	167.5	124.4	227.2	385.1	370.8	354.0	330.1	320.5	301.4	301.4
80°	124.4	131.5	93.3	155.5	277.4	277.4	263.1	246.4	229.6	220.0	220.0
82.5°	83.7	83.7	69.3	98.0	189.0	181.8	172.3	167.5	157.9	153.1	153.1
85°	38.3	47.8	43.1	59.8	102.8	107.6	107.6	102.8	100.5	95.7	98.0
87.5°	11.9	21.5	26.3	33.5	52.6	55.0	57.4	57.4	57.4	59.8	59.8
90°	5.6	10.1	14.7	15.7	24.7	36.7	42.6	37.9	28.4	21.4	21.4
92.5°	22.4	60.6	98.8	108.3	152.3	210.9	240.2	210.5	151.2	106.6	102.4
95°	53.9	123.7	193.5	211.0	374.6	592.9	702.0	626.5	475.3	362.0	349.1
97.5°	93.1	154.8	216.4	231.8	504.7	868.6	1050.5	1002.7	907.2	835.6	811.2
100°	123.5	179.3	235.3	249.2	552.1	955.9	1157.7	1161.2	1168.2	1173.5	1144.3
102.5°	149.3	201.4	253.5	266.6	573.7	983.3	1188.0	1248.9	1370.6	1461.9	1436.9
105°	193.1	237.2	281.3	292.4	589.8	986.4	1184.7	1321.1	1593.9	1798.6	1785.2
107.5°	238.0	279.2	320.2	330.6	592.8	942.5	1117.3	1307.6	1688.2	1973.7	1977.0
110°	268.3	305.4	342.5	351.8	588.3	903.5	1061.2	1273.9	1699.4	2018.6	2032.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	298.0	333.4	368.8	377.6	588.4	869.6	1010.2	1227.9	1663.4	1990.0	2011.4
115°	342.9	375.6	408.2	416.4	593.9	830.6	949.0	1158.7	1578.2	1892.9	1922.7
117.5°	387.2	416.9	446.6	454.0	605.0	806.2	906.9	1096.1	1474.8	1758.7	1791.7
120°	413.0	440.9	468.9	475.8	613.9	798.0	890.0	1063.0	1409.0	1668.4	1700.4
122.5°	438.3	466.5	494.7	501.7	626.8	793.6	877.1	1032.9	1344.4	1578.1	1609.6
125°	477.0	502.7	528.3	534.8	644.2	790.1	863.1	995.4	1260.0	1458.5	1487.6
127.5°	508.4	534.4	560.3	566.8	661.7	788.1	851.3	964.9	1192.1	1362.5	1387.1
130°	525.3	553.1	581.1	588.1	674.3	789.4	846.9	948.0	1150.3	1302.0	1324.7
132.5°	542.6	570.6	598.6	605.6	684.7	790.1	842.9	933.4	1114.5	1250.3	1270.7
135°	568.4	593.9	619.4	625.7	695.9	789.4	836.2	912.0	1063.7	1177.3	1194.9
137.5°	594.9	620.0	645.2	651.5	712.7	794.3	835.0	899.1	1027.4	1123.5	1137.8
140°	616.8	639.9	663.1	668.9	723.0	795.1	831.1	886.5	997.2	1080.3	1093.7
142.5°	633.6	655.1	676.5	681.9	731.6	798.0	831.1	879.7	977.0	1050.0	1061.5
145°	659.4	678.1	696.8	701.5	742.9	798.0	825.5	865.3	944.9	1004.5	1013.2
147.5°	685.2	703.4	721.7	726.2	759.3	803.4	825.5	856.8	919.4	966.3	973.6
150°	702.0	718.5	735.0	739.1	767.8	806.3	825.5	851.9	904.8	944.4	950.3
152.5°	719.4	731.9	744.4	747.5	773.5	808.1	825.5	848.0	893.2	927.1	931.5
155°	745.2	754.5	763.7	766.0	785.9	812.3	825.5	843.4	879.4	906.3	909.2
157.5°	764.3	773.3	782.2	784.5	798.2	816.4	825.5	839.4	867.4	888.3	890.4
160°	777.3	784.2	791.2	792.9	803.8	818.3	825.5	837.5	861.4	879.4	880.5
162.5°	790.1	795.4	800.6	802.0	809.8	820.3	825.5	835.6	855.8	870.9	872.0
165°	804.1	808.9	813.6	814.8	818.4	823.2	825.5	832.7	847.2	858.1	859.3
167.5°	817.1	819.4	821.6	822.2	825.1	829.1	831.1	835.8	845.3	852.5	852.9
170°	825.5	827.8	830.0	830.6	830.8	831.0	831.1	835.8	845.3	852.5	852.5
172.5°	830.0	830.5	831.0	831.1	831.1	831.1	831.1	834.8	842.3	848.0	847.5
175°	836.2	836.2	836.2	836.2	834.5	832.2	831.1	833.5	838.3	841.8	841.8
177.5°	836.2	836.2	836.2	836.2	834.8	833.1	832.2	834.1	837.8	840.6	840.2
180°	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2
2.5°	2592.7	2585.6	2592.7	2588.0	2590.4	2583.2	2561.7	2554.5	2561.7	2568.8	2568.8
5°	2623.9	2619.1	2623.9	2623.9	2621.5	2616.7	2592.7	2588.0	2592.7	2595.2	2590.4
7.5°	2633.5	2626.2	2633.5	2628.7	2628.7	2623.9	2600.0	2595.2	2597.5	2604.8	2597.5
10°	2633.5	2626.2	2633.5	2631.0	2628.7	2623.9	2600.0	2590.4	2590.4	2597.5	2590.4
12.5°	2621.5	2616.7	2621.5	2616.7	2616.7	2611.9	2588.0	2578.4	2580.8	2583.2	2573.6
15°	2602.3	2595.2	2602.3	2597.5	2600.0	2592.7	2566.5	2556.9	2556.9	2561.7	2545.0
17.5°	2573.6	2564.0	2573.6	2571.3	2568.8	2564.0	2540.2	2530.6	2528.2	2530.6	2518.6
20°	2540.2	2533.0	2540.2	2537.8	2537.8	2528.2	2504.3	2492.4	2492.4	2492.4	2480.3
22.5°	2487.6	2480.3	2487.6	2492.4	2492.4	2489.9	2468.4	2451.6	2446.8	2446.8	2432.5
25°	2427.7	2420.6	2427.7	2427.7	2425.4	2427.7	2420.6	2411.0	2403.8	2396.7	2382.3
27.5°	2370.3	2365.5	2370.3	2365.5	2370.3	2363.2	2360.8	2358.4	2348.8	2341.7	2322.5
30°	2313.0	2308.2	2313.0	2308.2	2303.4	2298.6	2286.6	2281.8	2291.4	2286.6	2255.6
32.5°	2241.2	2236.4	2241.2	2241.2	2236.4	2236.4	2217.3	2210.0	2212.5	2226.8	2198.1
35°	2167.0	2159.9	2167.0	2164.6	2167.0	2159.9	2147.9	2145.5	2135.9	2152.7	2131.1
37.5°	2081.0	2073.7	2081.0	2081.0	2081.0	2085.7	2076.2	2068.9	2054.6	2076.2	2059.4
40°	1992.4	1982.8	1992.4	1990.0	1992.4	1997.2	1992.4	1987.6	1973.3	1990.0	1975.7
42.5°	1892.0	1889.6	1892.0	1894.3	1894.3	1903.9	1911.1	1901.6	1896.8	1884.8	1894.3
45°	1784.3	1779.5	1784.3	1789.1	1791.5	1796.3	1817.8	1817.8	1810.7	1791.5	1805.9
47.5°	1669.5	1657.5	1669.5	1683.9	1683.9	1691.0	1712.6	1729.3	1717.4	1693.5	1700.6
50°	1547.6	1549.9	1547.6	1557.1	1557.1	1583.4	1600.1	1616.9	1628.8	1600.1	1566.7
52.5°	1428.0	1425.5	1428.0	1435.1	1444.7	1456.7	1485.4	1502.1	1521.2	1504.5	1451.9
55°	1308.3	1313.1	1308.3	1310.8	1315.6	1322.7	1365.8	1382.5	1418.4	1396.8	1341.8
57.5°	1188.7	1181.6	1188.7	1193.5	1195.9	1203.1	1239.0	1270.1	1291.6	1294.0	1227.0
60°	1050.0	1040.5	1050.0	1071.5	1076.3	1081.1	1114.6	1143.3	1162.4	1169.6	1100.2
62.5°	928.1	911.3	928.1	942.4	952.0	963.9	987.8	1030.9	1047.6	1050.0	952.0
65°	798.9	791.7	798.9	827.6	829.9	844.3	870.7	901.7	937.6	932.9	791.7
67.5°	681.7	681.7	681.7	700.8	715.2	722.3	755.8	770.2	815.6	820.4	660.1
70°	574.1	571.7	574.1	588.4	597.9	614.7	645.8	662.6	698.4	710.4	535.8
72.5°	471.2	468.8	471.2	483.2	492.7	507.1	533.4	552.5	583.6	597.9	416.2
75°	380.3	375.6	380.3	389.9	387.5	406.6	428.1	447.2	476.0	485.5	308.6
77.5°	291.8	291.8	291.8	301.4	301.4	320.5	330.1	354.0	370.8	385.1	227.2
80°	217.7	215.2	217.7	220.0	220.0	229.6	246.4	263.1	277.4	277.4	155.5
82.5°	153.1	148.3	153.1	153.1	153.1	157.9	167.5	172.3	181.8	189.0	98.0
85°	95.7	95.7	95.7	98.0	95.7	100.5	102.8	107.6	107.6	102.8	59.8
87.5°	62.2	59.8	62.2	59.8	59.8	57.4	57.4	57.4	55.0	52.6	33.5
90°	21.4	21.4	21.4	21.4	21.4	28.4	37.9	42.6	36.7	24.7	15.7
92.5°	85.4	68.4	85.4	102.4	106.6	151.2	210.5	240.2	210.9	152.3	108.3
95°	297.8	246.4	297.8	349.1	362.0	475.3	626.5	702.0	592.9	374.6	211.0
97.5°	713.4	615.6	713.4	811.2	835.6	907.2	1002.7	1050.5	868.6	504.7	231.8
100°	1027.9	911.4	1027.9	1144.3	1173.5	1168.2	1161.2	1157.7	955.9	552.1	249.2
102.5°	1337.2	1237.4	1337.2	1436.9	1461.9	1370.6	1248.9	1188.0	983.3	573.7	266.6
105°	1731.5	1677.9	1731.5	1785.2	1798.6	1593.9	1321.1	1184.7	986.4	589.8	292.4
107.5°	1989.9	2002.8	1989.9	1977.0	1973.7	1688.2	1307.6	1117.3	942.5	592.8	330.6
110°	2088.5	2144.3	2088.5	2032.5	2018.6	1699.4	1273.9	1061.2	903.5	588.3	351.8





TEST NUMBER: P934867

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2097.2	2183.0	2097.2	2011.4	1990.0	1663.4	1227.9	1010.2	869.6	588.4	377.6
115°	2041.6	2160.5	2041.6	1922.7	1892.9	1578.2	1158.7	949.0	830.6	593.9	416.4
117.5°	1923.6	2055.6	1923.6	1791.7	1758.7	1474.8	1096.1	906.9	806.2	605.0	454.0
120°	1828.7	1956.9	1828.7	1700.4	1668.4	1409.0	1063.0	890.0	798.0	613.9	475.8
122.5°	1736.1	1862.5	1736.1	1609.6	1578.1	1344.4	1032.9	877.1	793.6	626.8	501.7
125°	1604.1	1720.6	1604.1	1487.6	1458.5	1260.0	995.4	863.1	790.1	644.2	534.8
127.5°	1485.4	1583.7	1485.4	1387.1	1362.5	1192.1	964.9	851.3	788.1	661.7	566.8
130°	1415.4	1506.2	1415.4	1324.7	1302.0	1150.3	948.0	846.9	789.4	674.3	588.1
132.5°	1351.9	1433.2	1351.9	1270.7	1250.3	1114.5	933.4	842.9	790.1	684.7	605.6
135°	1265.0	1335.0	1265.0	1194.9	1177.3	1063.7	912.0	836.2	789.4	695.9	625.7
137.5°	1195.2	1252.6	1195.2	1137.8	1123.5	1027.4	899.1	835.0	794.3	712.7	651.5
140°	1147.4	1201.0	1147.4	1093.7	1080.3	997.2	886.5	831.1	795.1	723.0	668.9
142.5°	1107.6	1153.8	1107.6	1061.5	1050.0	977.0	879.7	831.1	798.0	731.6	681.9
145°	1048.2	1083.1	1048.2	1013.2	1004.5	944.9	865.3	825.5	798.0	742.9	701.5
147.5°	1002.5	1031.4	1002.5	973.6	966.3	919.4	856.8	825.5	803.4	759.3	726.2
150°	973.8	997.2	973.8	950.3	944.4	904.8	851.9	825.5	806.3	767.8	739.1
152.5°	949.2	966.9	949.2	931.5	927.1	893.2	848.0	825.5	808.1	773.5	747.5
155°	921.0	932.7	921.0	909.2	906.3	879.4	843.4	825.5	812.3	785.9	766.0
157.5°	898.6	906.9	898.6	890.4	888.3	867.4	839.4	825.5	816.4	798.2	784.5
160°	885.3	890.0	885.3	880.5	879.4	861.4	837.5	825.5	818.3	803.8	792.9
162.5°	876.6	881.1	876.6	872.0	870.9	855.8	835.6	825.5	820.3	809.8	802.0
165°	864.0	868.7	864.0	859.3	858.1	847.2	832.7	825.5	823.2	818.4	814.8
167.5°	854.9	856.9	854.9	852.9	852.5	845.3	835.8	831.1	829.1	825.1	822.2
170°	852.5	852.5	852.5	852.5	852.5	845.3	835.8	831.1	831.0	830.8	830.6
172.5°	845.8	844.1	845.8	847.5	848.0	842.3	834.8	831.1	831.1	831.1	831.1
175°	841.8	841.8	841.8	841.8	841.8	838.3	833.5	831.1	832.2	834.5	836.2
177.5°	838.2	836.2	838.2	840.2	840.6	837.8	834.1	832.2	833.1	834.8	836.2
180°	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2



TEST NUMBER: P934867

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2
2.5°	2564.0	2549.7	2549.7	2525.9	2516.3	2509.1	2497.1	2461.2	2451.6	2442.1	2456.4
5°	2585.6	2559.3	2540.2	2497.1	2461.2	2446.8	2401.4	2315.3	2257.9	2214.8	2190.9
7.5°	2590.4	2556.9	2521.1	2454.1	2367.9	2329.7	2190.9	2033.1	1990.0	1951.8	1927.8
10°	2585.6	2547.3	2497.1	2396.7	2193.3	2126.4	1987.6	1884.8	1858.5	1851.3	1858.5
12.5°	2568.8	2533.0	2463.6	2296.2	2011.5	1966.1	1884.8	1825.0	1820.2	1832.1	1896.8
15°	2540.2	2506.7	2425.4	2162.2	1911.1	1877.6	1820.2	1798.6	1825.0	1908.7	2102.4
17.5°	2511.5	2473.2	2372.7	2030.7	1834.6	1810.7	1770.0	1813.0	1961.3	2073.7	2138.4
20°	2473.2	2427.7	2313.0	1935.1	1779.5	1758.0	1738.9	1932.6	2045.0	2085.7	2121.6
22.5°	2427.7	2379.9	2231.6	1868.1	1722.2	1705.4	1717.4	1999.6	2045.0	2073.7	2104.9
25°	2367.9	2327.3	2135.9	1815.4	1676.7	1657.5	1703.0	1992.4	2018.7	2025.9	2088.1
27.5°	2313.0	2260.3	2035.4	1767.6	1621.7	1614.5	1715.0	1961.3	1980.5	1987.6	2054.6
30°	2246.0	2167.0	1923.0	1717.4	1564.3	1561.9	1717.4	1923.0	1918.3	1937.4	2004.4
32.5°	2176.6	2028.3	1796.3	1655.2	1509.3	1506.9	1700.6	1865.6	1860.8	1887.2	1937.4
35°	2112.0	1920.7	1624.0	1583.4	1439.9	1442.3	1660.0	1798.6	1801.1	1825.0	1856.1
37.5°	2045.0	1827.3	1435.1	1504.5	1372.9	1372.9	1604.9	1736.5	1731.8	1738.9	1781.9
40°	1966.1	1681.5	1267.7	1401.6	1310.8	1303.5	1538.0	1669.5	1652.7	1650.4	1710.2
42.5°	1882.4	1521.2	1143.3	1265.3	1239.0	1229.4	1456.7	1588.2	1557.1	1564.3	1640.8
45°	1791.5	1478.1	1047.6	1069.2	1164.9	1157.7	1368.2	1494.9	1473.4	1492.5	1571.5
47.5°	1700.6	1392.0	1016.6	887.4	1085.9	1083.5	1270.1	1404.0	1392.0	1411.2	1494.9
50°	1576.2	1296.4	1014.1	760.6	997.4	1007.0	1152.9	1315.6	1315.6	1332.3	1420.7
52.5°	1415.9	1179.2	920.9	688.8	894.6	923.3	1050.0	1239.0	1243.8	1260.5	1339.5
55°	1270.1	1057.2	853.9	633.9	772.6	834.7	949.6	1160.1	1169.6	1186.4	1258.1
57.5°	1136.2	880.2	839.5	569.3	660.1	720.0	861.1	1083.5	1088.3	1102.7	1172.0
60°	992.6	636.2	770.2	499.9	562.1	607.5	779.7	992.6	1009.3	1018.9	1078.8
62.5°	829.9	461.6	698.4	452.0	514.2	523.8	712.8	906.5	928.1	935.2	971.1
65°	590.8	387.5	593.2	411.4	464.0	466.4	641.0	818.0	837.2	849.1	875.4
67.5°	399.4	315.7	452.0	373.1	425.8	428.1	571.7	715.2	741.5	751.0	767.8
70°	277.4	210.4	334.8	332.5	382.7	387.5	497.5	621.8	645.8	653.0	662.6
72.5°	203.3	169.8	277.4	299.0	337.3	342.1	421.0	516.7	540.6	547.7	552.5
75°	155.5	179.4	224.8	260.7	287.0	289.4	344.4	421.0	437.7	442.5	444.9
77.5°	124.4	167.5	165.0	210.4	234.4	229.6	270.3	325.3	339.6	339.6	339.6
80°	93.3	131.5	124.4	150.7	172.3	167.5	193.7	232.0	236.8	241.6	239.1
82.5°	69.3	83.7	83.7	95.7	114.8	110.1	129.2	150.7	150.7	150.7	155.5
85°	43.1	47.8	38.3	50.2	64.5	62.2	71.8	81.3	83.7	83.7	78.9
87.5°	26.3	21.5	11.9	19.1	28.7	28.7	33.5	35.8	33.5	33.5	33.5
90°	14.7	10.1	5.6	10.1	14.7	15.7	24.7	36.7	42.6	37.9	28.4
92.5°	98.8	60.6	22.4	60.6	98.8	108.3	152.3	210.9	240.2	210.5	151.2
95°	193.5	123.7	53.9	123.7	193.5	211.0	374.6	592.9	702.0	626.5	475.3
97.5°	216.4	154.8	93.1	154.8	216.4	231.8	504.7	868.6	1050.5	1002.7	907.2
100°	235.3	179.3	123.5	179.3	235.3	249.2	552.1	955.9	1157.7	1161.2	1168.2
102.5°	253.5	201.4	149.3	201.4	253.5	266.6	573.7	983.3	1188.0	1248.9	1370.6
105°	281.3	237.2	193.1	237.2	281.3	292.4	589.8	986.4	1184.7	1321.1	1593.9
107.5°	320.2	279.2	238.0	279.2	320.2	330.6	592.8	942.5	1117.3	1307.6	1688.2
110°	342.5	305.4	268.3	305.4	342.5	351.8	588.3	903.5	1061.2	1273.9	1699.4



TEST NUMBER: P934867

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	368.8	333.4	298.0	333.4	368.8	377.6	588.4	869.6	1010.2	1227.9	1663.4
115°	408.2	375.6	342.9	375.6	408.2	416.4	593.9	830.6	949.0	1158.7	1578.2
117.5°	446.6	416.9	387.2	416.9	446.6	454.0	605.0	806.2	906.9	1096.1	1474.8
120°	468.9	440.9	413.0	440.9	468.9	475.8	613.9	798.0	890.0	1063.0	1409.0
122.5°	494.7	466.5	438.3	466.5	494.7	501.7	626.8	793.6	877.1	1032.9	1344.4
125°	528.3	502.7	477.0	502.7	528.3	534.8	644.2	790.1	863.1	995.4	1260.0
127.5°	560.3	534.4	508.4	534.4	560.3	566.8	661.7	788.1	851.3	964.9	1192.1
130°	581.1	553.1	525.3	553.1	581.1	588.1	674.3	789.4	846.9	948.0	1150.3
132.5°	598.6	570.6	542.6	570.6	598.6	605.6	684.7	790.1	842.9	933.4	1114.5
135°	619.4	593.9	568.4	593.9	619.4	625.7	695.9	789.4	836.2	912.0	1063.7
137.5°	645.2	620.0	594.9	620.0	645.2	651.5	712.7	794.3	835.0	899.1	1027.4
140°	663.1	639.9	616.8	639.9	663.1	668.9	723.0	795.1	831.1	886.5	997.2
142.5°	676.5	655.1	633.6	655.1	676.5	681.9	731.6	798.0	831.1	879.7	977.0
145°	696.8	678.1	659.4	678.1	696.8	701.5	742.9	798.0	825.5	865.3	944.9
147.5°	721.7	703.4	685.2	703.4	721.7	726.2	759.3	803.4	825.5	856.8	919.4
150°	735.0	718.5	702.0	718.5	735.0	739.1	767.8	806.3	825.5	851.9	904.8
152.5°	744.4	731.9	719.4	731.9	744.4	747.5	773.5	808.1	825.5	848.0	893.2
155°	763.7	754.5	745.2	754.5	763.7	766.0	785.9	812.3	825.5	843.4	879.4
157.5°	782.2	773.3	764.3	773.3	782.2	784.5	798.2	816.4	825.5	839.4	867.4
160°	791.2	784.2	777.3	784.2	791.2	792.9	803.8	818.3	825.5	837.5	861.4
162.5°	800.6	795.4	790.1	795.4	800.6	802.0	809.8	820.3	825.5	835.6	855.8
165°	813.6	808.9	804.1	808.9	813.6	814.8	818.4	823.2	825.5	832.7	847.2
167.5°	821.6	819.4	817.1	819.4	821.6	822.2	825.1	829.1	831.1	835.8	845.3
170°	830.0	827.8	825.5	827.8	830.0	830.6	830.8	831.0	831.1	835.8	845.3
172.5°	831.0	830.5	830.0	830.5	831.0	831.1	831.1	831.1	831.1	834.8	842.3
175°	836.2	836.2	836.2	836.2	836.2	836.2	834.5	832.2	831.1	833.5	838.3
177.5°	836.2	836.2	836.2	836.2	836.2	836.2	834.8	833.1	832.2	834.1	837.8
180°	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2



TEST NUMBER: P934867

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2
2.5°	2439.7	2432.5	2442.1	2415.8	2442.1	2432.5	2439.7	2456.4	2442.1	2451.6	2461.2
5°	2140.7	2128.8	2090.5	2059.4	2090.5	2128.8	2140.7	2190.9	2214.8	2257.9	2315.3
7.5°	1913.5	1903.9	1894.3	1875.2	1894.3	1903.9	1913.5	1927.8	1951.8	1990.0	2033.1
10°	1863.3	1865.6	1880.0	1877.6	1880.0	1865.6	1863.3	1858.5	1851.3	1858.5	1884.8
12.5°	1992.4	2014.0	2092.9	2088.1	2092.9	2014.0	1992.4	1896.8	1832.1	1820.2	1825.0
15°	2140.7	2147.9	2164.6	2167.0	2164.6	2147.9	2140.7	2102.4	1908.7	1825.0	1798.6
17.5°	2155.1	2157.5	2169.4	2169.4	2169.4	2157.5	2155.1	2138.4	2073.7	1961.3	1813.0
20°	2143.1	2147.9	2171.8	2176.6	2171.8	2147.9	2143.1	2121.6	2085.7	2045.0	1932.6
22.5°	2138.4	2147.9	2167.0	2164.6	2167.0	2147.9	2138.4	2104.9	2073.7	2045.0	1999.6
25°	2114.4	2114.4	2116.8	2119.2	2116.8	2114.4	2114.4	2088.1	2025.9	2018.7	1992.4
27.5°	2064.2	2068.9	2083.3	2081.0	2083.3	2068.9	2064.2	2054.6	1987.6	1980.5	1961.3
30°	2018.7	2014.0	2001.9	1992.4	2001.9	2014.0	2018.7	2004.4	1937.4	1918.3	1923.0
32.5°	1942.2	1930.3	1918.3	1911.1	1918.3	1930.3	1942.2	1937.4	1887.2	1860.8	1865.6
35°	1851.3	1853.7	1851.3	1844.1	1851.3	1853.7	1851.3	1856.1	1825.0	1801.1	1798.6
37.5°	1786.7	1791.5	1789.1	1779.5	1789.1	1791.5	1786.7	1781.9	1738.9	1731.8	1736.5
40°	1719.7	1722.2	1719.7	1712.6	1719.7	1722.2	1719.7	1710.2	1650.4	1652.7	1669.5
42.5°	1655.2	1652.7	1645.6	1640.8	1645.6	1652.7	1655.2	1640.8	1564.3	1557.1	1588.2
45°	1581.0	1583.4	1569.1	1561.9	1569.1	1583.4	1581.0	1571.5	1492.5	1473.4	1494.9
47.5°	1506.9	1506.9	1494.9	1487.7	1494.9	1506.9	1506.9	1494.9	1411.2	1392.0	1404.0
50°	1428.0	1425.5	1408.8	1406.4	1408.8	1425.5	1428.0	1420.7	1332.3	1315.6	1315.6
52.5°	1337.0	1337.0	1339.5	1344.3	1339.5	1337.0	1337.0	1339.5	1260.5	1243.8	1239.0
55°	1258.1	1260.5	1277.3	1282.1	1277.3	1260.5	1258.1	1258.1	1186.4	1169.6	1160.1
57.5°	1176.8	1176.8	1188.7	1188.7	1188.7	1176.8	1176.8	1172.0	1102.7	1088.3	1083.5
60°	1083.5	1088.3	1097.9	1095.5	1097.9	1088.3	1083.5	1078.8	1018.9	1009.3	992.6
62.5°	985.4	990.2	992.6	987.8	992.6	990.2	985.4	971.1	935.2	928.1	906.5
65°	882.6	887.4	889.8	885.0	889.8	887.4	882.6	875.4	849.1	837.2	818.0
67.5°	777.4	775.0	772.6	782.1	772.6	775.0	777.4	767.8	751.0	741.5	715.2
70°	669.7	669.7	667.3	672.1	667.3	669.7	669.7	662.6	653.0	645.8	621.8
72.5°	555.0	552.5	562.1	555.0	562.1	552.5	555.0	552.5	547.7	540.6	516.7
75°	442.5	447.2	442.5	449.7	442.5	447.2	442.5	444.9	442.5	437.7	421.0
77.5°	337.3	342.1	337.3	337.3	337.3	342.1	337.3	339.6	339.6	339.6	325.3
80°	239.1	236.8	236.8	234.4	236.8	236.8	239.1	239.1	241.6	236.8	232.0
82.5°	153.1	150.7	150.7	155.5	150.7	150.7	153.1	155.5	150.7	150.7	150.7
85°	83.7	86.1	81.3	81.3	81.3	86.1	83.7	78.9	83.7	83.7	81.3
87.5°	31.1	28.7	28.7	28.7	28.7	28.7	31.1	33.5	33.5	33.5	35.8
90°	21.4	21.4	21.4	21.4	21.4	21.4	21.4	28.4	37.9	42.6	36.7
92.5°	106.6	102.4	85.4	68.4	85.4	102.4	106.6	151.2	210.5	240.2	210.9
95°	362.0	349.1	297.8	246.4	297.8	349.1	362.0	475.3	626.5	702.0	592.9
97.5°	835.6	811.2	713.4	615.6	713.4	811.2	835.6	907.2	1002.7	1050.5	868.6
100°	1173.5	1144.3	1027.9	911.4	1027.9	1144.3	1173.5	1168.2	1161.2	1157.7	955.9
102.5°	1461.9	1436.9	1337.2	1237.4	1337.2	1436.9	1461.9	1370.6	1248.9	1188.0	983.3
105°	1798.6	1785.2	1731.5	1677.9	1731.5	1785.2	1798.6	1593.9	1321.1	1184.7	986.4
107.5°	1973.7	1977.0	1989.9	2002.8	1989.9	1977.0	1973.7	1688.2	1307.6	1117.3	942.5
110°	2018.6	2032.5	2088.5	2144.3	2088.5	2032.5	2018.6	1699.4	1273.9	1061.2	903.5



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1990.0	2011.4	2097.2	2183.0	2097.2	2011.4	1990.0	1663.4	1227.9	1010.2	869.6
115°	1892.9	1922.7	2041.6	2160.5	2041.6	1922.7	1892.9	1578.2	1158.7	949.0	830.6
117.5°	1758.7	1791.7	1923.6	2055.6	1923.6	1791.7	1758.7	1474.8	1096.1	906.9	806.2
120°	1668.4	1700.4	1828.7	1956.9	1828.7	1700.4	1668.4	1409.0	1063.0	890.0	798.0
122.5°	1578.1	1609.6	1736.1	1862.5	1736.1	1609.6	1578.1	1344.4	1032.9	877.1	793.6
125°	1458.5	1487.6	1604.1	1720.6	1604.1	1487.6	1458.5	1260.0	995.4	863.1	790.1
127.5°	1362.5	1387.1	1485.4	1583.7	1485.4	1387.1	1362.5	1192.1	964.9	851.3	788.1
130°	1302.0	1324.7	1415.4	1506.2	1415.4	1324.7	1302.0	1150.3	948.0	846.9	789.4
132.5°	1250.3	1270.7	1351.9	1433.2	1351.9	1270.7	1250.3	1114.5	933.4	842.9	790.1
135°	1177.3	1194.9	1265.0	1335.0	1265.0	1194.9	1177.3	1063.7	912.0	836.2	789.4
137.5°	1123.5	1137.8	1195.2	1252.6	1195.2	1137.8	1123.5	1027.4	899.1	835.0	794.3
140°	1080.3	1093.7	1147.4	1201.0	1147.4	1093.7	1080.3	997.2	886.5	831.1	795.1
142.5°	1050.0	1061.5	1107.6	1153.8	1107.6	1061.5	1050.0	977.0	879.7	831.1	798.0
145°	1004.5	1013.2	1048.2	1083.1	1048.2	1013.2	1004.5	944.9	865.3	825.5	798.0
147.5°	966.3	973.6	1002.5	1031.4	1002.5	973.6	966.3	919.4	856.8	825.5	803.4
150°	944.4	950.3	973.8	997.2	973.8	950.3	944.4	904.8	851.9	825.5	806.3
152.5°	927.1	931.5	949.2	966.9	949.2	931.5	927.1	893.2	848.0	825.5	808.1
155°	906.3	909.2	921.0	932.7	921.0	909.2	906.3	879.4	843.4	825.5	812.3
157.5°	888.3	890.4	898.6	906.9	898.6	890.4	888.3	867.4	839.4	825.5	816.4
160°	879.4	880.5	885.3	890.0	885.3	880.5	879.4	861.4	837.5	825.5	818.3
162.5°	870.9	872.0	876.6	881.1	876.6	872.0	870.9	855.8	835.6	825.5	820.3
165°	858.1	859.3	864.0	868.7	864.0	859.3	858.1	847.2	832.7	825.5	823.2
167.5°	852.5	852.9	854.9	856.9	854.9	852.9	852.5	845.3	835.8	831.1	829.1
170°	852.5	852.5	852.5	852.5	852.5	852.5	852.5	845.3	835.8	831.1	831.0
172.5°	848.0	847.5	845.8	844.1	845.8	847.5	848.0	842.3	834.8	831.1	831.1
175°	841.8	841.8	841.8	841.8	841.8	841.8	841.8	838.3	833.5	831.1	832.2
177.5°	840.6	840.2	838.2	836.2	838.2	840.2	840.6	837.8	834.1	832.2	833.1
180°	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2528.2	2528.2	2528.2	2528.2	2528.2
2.5°	2497.1	2509.1	2516.3	2525.9	2549.7
5°	2401.4	2446.8	2461.2	2497.1	2540.2
7.5°	2190.9	2329.7	2367.9	2454.1	2521.1
10°	1987.6	2126.4	2193.3	2396.7	2497.1
12.5°	1884.8	1966.1	2011.5	2296.2	2463.6
15°	1820.2	1877.6	1911.1	2162.2	2425.4
17.5°	1770.0	1810.7	1834.6	2030.7	2372.7
20°	1738.9	1758.0	1779.5	1935.1	2313.0
22.5°	1717.4	1705.4	1722.2	1868.1	2231.6
25°	1703.0	1657.5	1676.7	1815.4	2135.9
27.5°	1715.0	1614.5	1621.7	1767.6	2035.4
30°	1717.4	1561.9	1564.3	1717.4	1923.0
32.5°	1700.6	1506.9	1509.3	1655.2	1796.3
35°	1660.0	1442.3	1439.9	1583.4	1624.0
37.5°	1604.9	1372.9	1372.9	1504.5	1435.1
40°	1538.0	1303.5	1310.8	1401.6	1267.7
42.5°	1456.7	1229.4	1239.0	1265.3	1143.3
45°	1368.2	1157.7	1164.9	1069.2	1047.6
47.5°	1270.1	1083.5	1085.9	887.4	1016.6
50°	1152.9	1007.0	997.4	760.6	1014.1
52.5°	1050.0	923.3	894.6	688.8	920.9
55°	949.6	834.7	772.6	633.9	853.9
57.5°	861.1	720.0	660.1	569.3	839.5
60°	779.7	607.5	562.1	499.9	770.2
62.5°	712.8	523.8	514.2	452.0	698.4
65°	641.0	466.4	464.0	411.4	593.2
67.5°	571.7	428.1	425.8	373.1	452.0
70°	497.5	387.5	382.7	332.5	334.8
72.5°	421.0	342.1	337.3	299.0	277.4
75°	344.4	289.4	287.0	260.7	224.8
77.5°	270.3	229.6	234.4	210.4	165.0
80°	193.7	167.5	172.3	150.7	124.4
82.5°	129.2	110.1	114.8	95.7	83.7
85°	71.8	62.2	64.5	50.2	38.3
87.5°	33.5	28.7	28.7	19.1	11.9
90°	24.7	15.7	14.7	10.1	5.6
92.5°	152.3	108.3	98.8	60.6	22.4
95°	374.6	211.0	193.5	123.7	53.9
97.5°	504.7	231.8	216.4	154.8	93.1
100°	552.1	249.2	235.3	179.3	123.5
102.5°	573.7	266.6	253.5	201.4	149.3
105°	589.8	292.4	281.3	237.2	193.1
107.5°	592.8	330.6	320.2	279.2	238.0
110°	588.3	351.8	342.5	305.4	268.3



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CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	588.4	377.6	368.8	333.4	298.0
115°	593.9	416.4	408.2	375.6	342.9
117.5°	605.0	454.0	446.6	416.9	387.2
120°	613.9	475.8	468.9	440.9	413.0
122.5°	626.8	501.7	494.7	466.5	438.3
125°	644.2	534.8	528.3	502.7	477.0
127.5°	661.7	566.8	560.3	534.4	508.4
130°	674.3	588.1	581.1	553.1	525.3
132.5°	684.7	605.6	598.6	570.6	542.6
135°	695.9	625.7	619.4	593.9	568.4
137.5°	712.7	651.5	645.2	620.0	594.9
140°	723.0	668.9	663.1	639.9	616.8
142.5°	731.6	681.9	676.5	655.1	633.6
145°	742.9	701.5	696.8	678.1	659.4
147.5°	759.3	726.2	721.7	703.4	685.2
150°	767.8	739.1	735.0	718.5	702.0
152.5°	773.5	747.5	744.4	731.9	719.4
155°	785.9	766.0	763.7	754.5	745.2
157.5°	798.2	784.5	782.2	773.3	764.3
160°	803.8	792.9	791.2	784.2	777.3
162.5°	809.8	802.0	800.6	795.4	790.1
165°	818.4	814.8	813.6	808.9	804.1
167.5°	825.1	822.2	821.6	819.4	817.1
170°	830.8	830.6	830.0	827.8	825.5
172.5°	831.1	831.1	831.0	830.5	830.0
175°	834.5	836.2	836.2	836.2	836.2
177.5°	834.8	836.2	836.2	836.2	836.2
180°	836.2	836.2	836.2	836.2	836.2



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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	13.79	14.70	14.70	15.63	16.83	16.63	17.53	17.54	18.47	19.67
	3H	14.27	15.08	15.20	16.03	17.25	17.98	18.79	18.91	19.73	20.96
	4H	14.46	15.23	15.41	16.18	17.41	18.43	19.19	19.37	20.14	21.38
	6H	14.58	15.29	15.54	16.25	17.49	18.72	19.42	19.67	20.38	21.62
	8H	14.59	15.26	15.55	16.23	17.48	18.79	19.47	19.75	20.44	21.68
	12H	14.56	15.20	15.53	16.17	17.44	18.83	19.47	19.80	20.44	21.71
4H	2H	14.83	15.60	15.78	16.55	17.78	17.04	17.81	17.99	18.76	19.99
	3H	15.86	16.50	16.82	17.48	18.73	18.55	19.19	19.51	20.17	21.42
	4H	16.14	16.72	17.11	17.70	18.97	19.09	19.67	20.05	20.64	21.92
	6H	16.27	16.77	17.25	17.77	19.04	19.46	19.96	20.44	20.95	22.23
	8H	16.27	16.74	17.25	17.73	19.02	19.56	20.03	20.55	21.02	22.31
	12H	16.24	16.67	17.24	17.67	18.96	19.62	20.05	20.63	21.05	22.35
8H	4H	16.60	17.07	17.58	18.06	19.34	19.21	19.68	20.20	20.67	21.96
	6H	16.86	17.25	17.87	18.28	19.57	19.65	20.04	20.66	21.07	22.36
	8H	16.90	17.25	17.92	18.27	19.57	19.81	20.15	20.82	21.17	22.47
	12H	16.89	17.19	17.91	18.20	19.55	19.91	20.21	20.93	21.22	22.57
12H	4H	16.61	17.03	17.61	18.04	19.33	19.18	19.60	20.18	20.61	21.90
	6H	16.92	17.27	17.94	18.28	19.59	19.65	19.99	20.67	21.01	22.32
	8H	16.99	17.29	18.01	18.31	19.65	19.82	20.12	20.83	21.13	22.48