

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: P934048

Luminaire Tested: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-6500K

Issue Date: 12/17/2024

**Test Information**

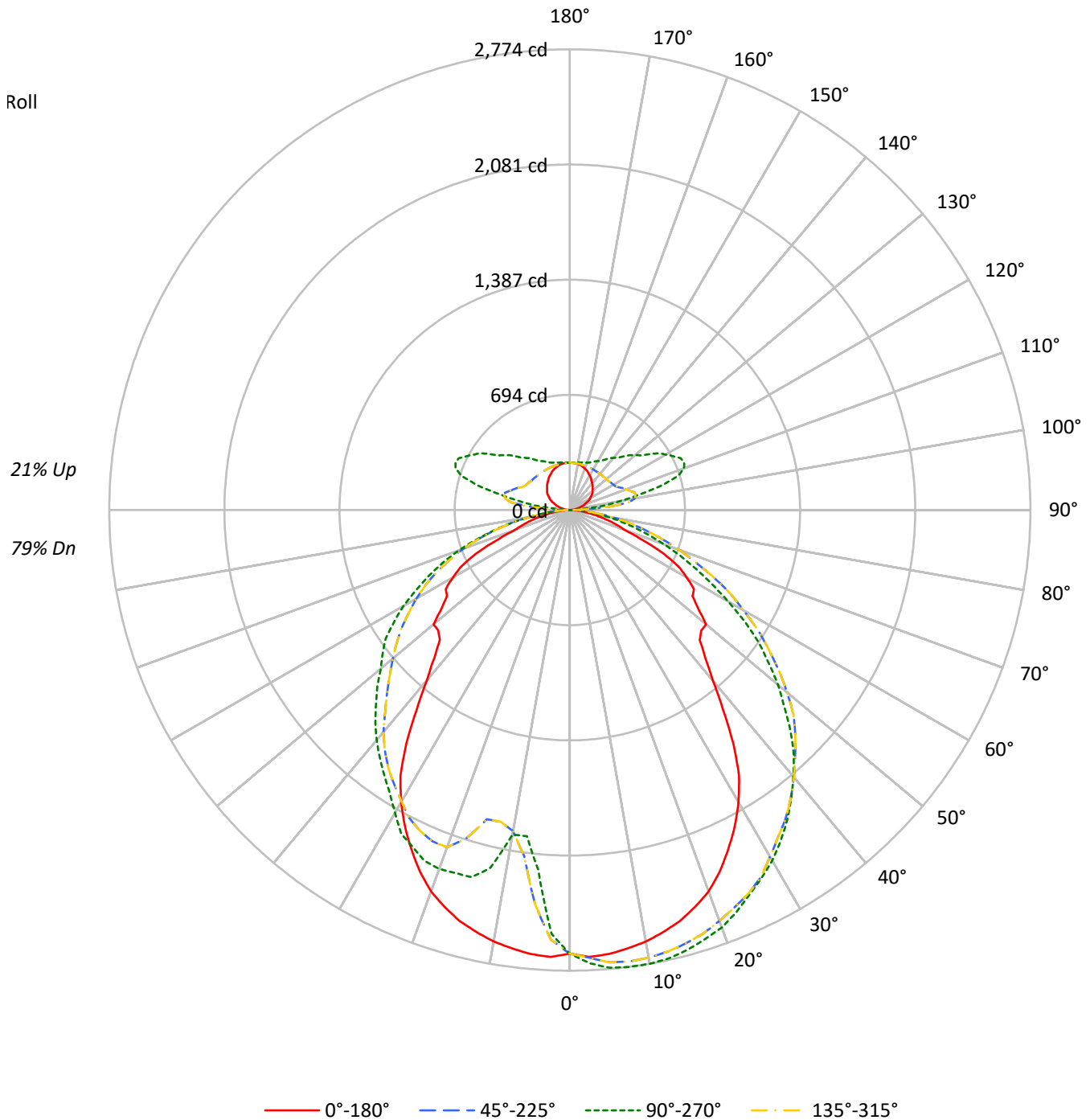
Test Method: LM-79-2019  
Report Number: P934048  
REPORT IS A COMBINATION OF REPORTS P933684 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-6500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8776.0 lumens  
Efficiency: N/A  
Efficacy: 113.1 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-Direct  
  
Input Watts (W): 77.6  
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	50	30	10	50	30	10	50	30	10	0				
RCR																															
0	114	114	114	114	109	109	109	109	99	99	99	91	91	91	83	83	83	79													
1	104	100	96	92	100	96	92	89	88	85	82	80	78	76	73	72	70	67													
2	95	87	81	76	91	84	78	73	77	72	68	70	67	64	65	62	59	56													
3	87	77	69	63	83	74	67	61	68	62	57	62	58	54	57	54	50	47													
4	79	68	60	53	76	65	58	52	60	54	49	56	50	46	51	47	43	41													
5	73	61	52	46	70	58	51	45	54	47	42	50	44	40	46	41	38	35													
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33	31													
7	62	50	41	35	59	48	40	34	44	38	33	41	35	31	38	33	30	27													
8	58	45	37	31	55	44	36	31	40	34	29	38	32	28	35	30	26	24													
9	54	41	33	28	52	40	33	27	37	31	26	35	29	25	32	27	24	22													
10	51	38	30	25	48	37	30	25	34	28	24	32	27	23	30	25	22	20													

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

	0°	90°	180°	270°
0°	12391	12391	12391	12391
5°	12484	12508	12484	9835
10°	12400	12321	12400	8809
15°	12265	12054	12265	10066
20°	12009	11738	12009	10087
25°	11484	11277	11484	9873
30°	10805	10894	10805	9404
35°	9633	10410	9633	8888
40°	8026	9839	8026	8498
45°	7172	9172	7172	8050
50°	7619	8376	7619	7600
55°	7169	7518	7169	7341
60°	7390	6385	7390	6723
65°	6699	5279	6699	5900
70°	4639	4207	4639	4946
75°	4068	3110	4068	3723
80°	3278	2056	3278	2239
85°	1882	1089	1882	925

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10992 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	241.1	2.7
10°-20°	684.5	7.8
20°-30°	1058.1	12.1
30°-40°	1263.2	14.4
40°-50°	1270.6	14.5
50°-60°	1105.5	12.6
60°-70°	783.8	8.9
70°-80°	414.7	4.7
80°-90°	104.4	1.2
90°-100°	139.1	1.6
100°-110°	365.7	4.2
110°-120°	379.2	4.3
120°-130°	304.2	3.5
130°-140°	238.7	2.7
140°-150°	183.2	2.1
150°-160°	131.9	1.5
160°-170°	80.7	0.9
170°-180°	27.3	0.3
0°-30°	1983.7	22.6
0°-40°	3246.8	37.0
0°-60°	5622.9	64.1
0°-90°	6925.9	78.9
90°-120°	884.1	10.1
90°-150°	1610.2	18.3
90°-180°	1850.0	21.1
0°-180°	8776.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2671	2671	2671	2671	2671	
5°	2683	2767	2683	2176	2683	255
15°	2562	2742	2562	2289	2562	721
25°	2256	2557	2256	2239	2256	1036
35°	1716	2282	1716	1948	1716	1061
45°	1107	1880	1107	1650	1107	887
55°	902	1387	902	1354	902	829
65°	627	836	627	935	627	599
75°	238	397	238	475	238	250
85°	40	101	40	86	40	55
90°	2	7	2	7	2	3
95°	18	84	18	84	18	20
105°	66	573	66	573	66	70
115°	117	737	117	737	117	116
125°	163	587	163	587	163	145
135°	194	456	194	456	194	150
145°	225	370	225	370	225	141
155°	254	318	254	318	254	117
165°	274	296	274	296	274	77
175°	285	287	285	287	285	27
180°	285	285	285	285	285	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7
2.5°	2693.5	2693.5	2708.6	2713.7	2713.7	2706.1	2698.6	2706.1	2728.9	2736.4	2733.9
5°	2683.4	2703.5	2731.4	2736.4	2741.5	2738.9	2733.9	2738.9	2764.3	2769.3	2771.8
7.5°	2663.2	2701.1	2736.4	2744.0	2751.6	2744.0	2741.5	2746.6	2771.8	2776.9	2776.9
10°	2637.8	2690.9	2731.4	2736.4	2744.0	2736.4	2736.4	2746.6	2771.8	2776.9	2779.4
12.5°	2602.5	2675.8	2713.7	2718.7	2728.9	2726.3	2723.8	2733.9	2759.2	2764.3	2764.3
15°	2562.1	2648.0	2683.4	2688.4	2706.1	2701.1	2701.1	2711.2	2738.9	2746.6	2744.0
17.5°	2506.5	2612.6	2653.1	2660.6	2673.2	2670.7	2673.2	2683.4	2708.6	2713.7	2716.3
20°	2443.4	2564.6	2612.6	2620.2	2632.9	2632.9	2632.9	2645.5	2670.7	2680.9	2680.9
22.5°	2357.4	2514.1	2564.6	2569.7	2584.8	2584.8	2589.8	2607.5	2630.3	2632.9	2632.9
25°	2256.3	2458.5	2501.4	2516.6	2531.8	2539.4	2546.9	2557.1	2564.6	2562.1	2564.6
27.5°	2150.2	2387.7	2443.4	2453.4	2473.7	2481.2	2491.4	2493.8	2496.4	2504.0	2498.9
30°	2031.4	2289.2	2372.6	2382.7	2415.5	2420.6	2410.5	2415.5	2428.2	2433.2	2438.3
32.5°	1897.6	2142.6	2299.4	2322.0	2352.3	2337.2	2334.6	2342.3	2362.5	2362.5	2367.5
35°	1715.6	2028.9	2231.1	2251.3	2274.0	2256.3	2266.5	2269.0	2281.7	2289.2	2286.6
37.5°	1516.0	1930.4	2160.3	2175.5	2193.2	2170.5	2185.6	2193.2	2203.3	2198.3	2198.3
40°	1339.1	1776.3	2076.9	2087.1	2102.2	2084.5	2099.7	2104.8	2109.8	2104.8	2102.2
42.5°	1207.8	1607.0	1988.5	2001.1	1991.1	2003.7	2008.8	2018.8	2011.3	2001.1	2001.1
45°	1106.7	1561.5	1892.5	1907.7	1892.5	1912.8	1920.3	1920.3	1897.6	1892.5	1890.0
47.5°	1073.9	1470.5	1796.5	1796.5	1788.9	1814.2	1826.8	1809.1	1786.4	1778.8	1778.8
50°	1071.3	1369.5	1665.1	1655.0	1690.4	1720.7	1708.0	1690.4	1672.7	1644.8	1644.8
52.5°	972.8	1245.6	1495.8	1533.7	1589.3	1607.0	1586.8	1569.1	1538.8	1526.2	1516.0
55°	902.1	1116.8	1341.7	1417.5	1475.6	1498.4	1460.4	1442.8	1397.3	1389.7	1384.7
57.5°	886.9	929.8	1200.2	1296.2	1367.0	1364.4	1341.7	1308.8	1271.0	1263.3	1260.8
60°	813.6	672.1	1048.6	1162.3	1235.6	1227.9	1207.8	1177.5	1142.1	1137.0	1131.9
62.5°	737.8	487.7	876.7	1005.6	1109.2	1106.7	1089.0	1043.5	1018.2	1005.6	995.5
65°	626.6	409.3	624.1	836.4	985.5	990.4	952.6	919.8	891.9	876.7	874.2
67.5°	477.5	333.5	422.0	697.4	866.7	861.6	813.6	798.4	763.0	755.5	740.3
70°	353.7	222.3	293.1	566.0	750.4	737.8	699.9	682.2	649.4	631.7	621.5
72.5°	293.1	179.4	214.8	439.7	631.7	616.6	583.7	563.5	535.7	520.5	510.4
75°	237.5	189.5	164.3	326.0	512.9	502.9	472.5	452.3	429.5	409.3	411.8
77.5°	174.3	176.9	131.4	240.0	406.8	391.7	374.0	348.7	338.6	318.4	318.4
80°	131.4	138.9	98.6	164.3	293.1	293.1	278.0	260.3	242.6	232.5	232.5
82.5°	88.4	88.4	73.2	103.6	199.7	192.0	182.0	176.9	166.8	161.7	161.7
85°	40.4	50.5	45.5	63.2	108.6	113.7	113.7	108.6	106.1	101.1	103.6
87.5°	12.6	22.8	27.8	35.4	55.6	58.1	60.6	60.6	60.6	63.2	63.2
90°	1.9	3.4	5.0	5.4	8.4	12.5	14.5	12.9	9.7	7.3	7.3
92.5°	7.6	20.7	33.8	37.0	52.0	72.0	81.9	71.8	51.6	36.4	35.0
95°	18.4	42.2	66.1	72.0	127.8	202.3	239.6	213.8	162.3	123.5	119.1
97.5°	31.8	52.9	73.8	79.1	172.2	296.4	358.6	342.3	309.7	285.2	276.9
100°	42.2	61.2	80.2	85.0	188.4	326.2	395.1	396.3	398.7	400.5	390.6
102.5°	51.0	68.8	86.5	90.9	195.8	335.6	405.5	426.3	467.8	498.9	490.4
105°	65.9	81.0	96.1	99.8	201.4	336.7	404.4	450.9	544.1	613.9	609.3
107.5°	81.2	95.2	109.3	112.8	202.3	321.7	381.3	446.3	576.2	673.6	674.8
110°	91.6	104.2	116.9	120.1	200.8	308.4	362.2	434.8	580.0	688.9	693.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	101.7	113.8	125.8	128.9	200.9	296.8	344.8	419.1	567.7	679.2	686.5
115°	117.0	128.1	139.3	142.1	202.7	283.5	323.9	395.5	538.7	646.1	656.2
117.5°	132.1	142.3	152.4	155.0	206.5	275.2	309.5	374.2	503.3	600.3	611.6
120°	140.9	150.5	160.1	162.5	209.6	272.4	303.8	362.8	480.9	569.4	580.3
122.5°	149.5	159.2	168.9	171.3	214.0	270.9	299.4	352.5	458.9	538.6	549.4
125°	162.8	171.6	180.3	182.5	219.9	269.7	294.6	339.7	430.1	497.8	507.7
127.5°	173.5	182.3	191.2	193.4	225.9	269.0	290.6	329.4	407.0	465.1	473.5
130°	179.3	188.8	198.3	200.7	230.2	269.5	289.1	323.6	392.6	444.3	452.1
132.5°	185.2	194.8	204.2	206.6	233.7	269.7	287.7	318.6	380.4	426.7	433.7
135°	194.0	202.7	211.4	213.6	237.5	269.5	285.4	311.3	363.1	401.9	407.8
137.5°	203.0	211.6	220.2	222.4	243.3	271.1	285.0	306.9	350.6	383.4	388.3
140°	210.5	218.4	226.3	228.3	246.8	271.4	283.7	302.6	340.4	368.7	373.3
142.5°	216.3	223.6	230.9	232.7	249.8	272.4	283.7	300.3	333.5	358.4	362.3
145°	225.1	231.5	237.8	239.4	253.6	272.4	281.8	295.4	322.5	342.9	345.9
147.5°	233.9	240.1	246.3	247.8	259.1	274.2	281.8	292.5	313.8	329.8	332.3
150°	239.6	245.3	250.8	252.2	262.1	275.2	281.8	290.8	308.9	322.3	324.3
152.5°	245.6	249.8	254.1	255.1	264.0	275.9	281.8	289.4	304.8	316.4	317.9
155°	254.3	257.5	260.7	261.4	268.2	277.3	281.8	287.9	300.1	309.3	310.3
157.5°	260.8	263.9	267.0	267.7	272.4	278.6	281.8	286.6	296.0	303.2	303.9
160°	265.2	267.6	270.0	270.6	274.3	279.3	281.8	285.9	294.0	300.1	300.5
162.5°	269.6	271.5	273.2	273.7	276.3	280.0	281.8	285.2	292.1	297.3	297.7
165°	274.5	276.1	277.8	278.2	279.4	281.0	281.8	284.3	289.2	292.9	293.3
167.5°	278.9	279.7	280.5	280.6	281.7	283.0	283.7	285.3	288.6	291.0	291.2
170°	281.8	282.6	283.3	283.5	283.6	283.7	283.7	285.3	288.6	291.0	291.0
172.5°	283.3	283.5	283.7	283.7	283.7	283.7	283.7	284.9	287.5	289.4	289.2
175°	285.4	285.4	285.4	285.4	284.8	284.1	283.7	284.5	286.1	287.3	287.3
177.5°	285.4	285.4	285.4	285.4	284.9	284.4	284.1	284.8	286.0	287.0	286.8
180°	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7
2.5°	2738.9	2731.4	2738.9	2733.9	2736.4	2728.9	2706.1	2698.6	2706.1	2713.7	2713.7
5°	2771.8	2766.7	2771.8	2771.8	2769.3	2764.3	2738.9	2733.9	2738.9	2741.5	2736.4
7.5°	2781.9	2774.3	2781.9	2776.9	2776.9	2771.8	2746.6	2741.5	2744.0	2751.6	2744.0
10°	2781.9	2774.3	2781.9	2779.4	2776.9	2771.8	2746.6	2736.4	2736.4	2744.0	2736.4
12.5°	2769.3	2764.3	2769.3	2764.3	2764.3	2759.2	2733.9	2723.8	2726.3	2728.9	2718.7
15°	2749.1	2741.5	2749.1	2744.0	2746.6	2738.9	2711.2	2701.1	2701.1	2706.1	2688.4
17.5°	2718.7	2708.6	2718.7	2716.3	2713.7	2708.6	2683.4	2673.2	2670.7	2673.2	2660.6
20°	2683.4	2675.8	2683.4	2680.9	2680.9	2670.7	2645.5	2632.9	2632.9	2632.9	2620.2
22.5°	2627.8	2620.2	2627.8	2632.9	2632.9	2630.3	2607.5	2589.8	2584.8	2584.8	2569.7
25°	2564.6	2557.1	2564.6	2564.6	2562.1	2564.6	2557.1	2546.9	2539.4	2531.8	2516.6
27.5°	2504.0	2498.9	2504.0	2498.9	2504.0	2496.4	2493.8	2491.4	2481.2	2473.7	2453.4
30°	2443.4	2438.3	2443.4	2438.3	2433.2	2428.2	2415.5	2410.5	2420.6	2415.5	2382.7
32.5°	2367.5	2362.5	2367.5	2367.5	2362.5	2362.5	2342.3	2334.6	2337.2	2352.3	2322.0
35°	2289.2	2281.7	2289.2	2286.6	2289.2	2281.7	2269.0	2266.5	2256.3	2274.0	2251.3
37.5°	2198.3	2190.6	2198.3	2198.3	2198.3	2203.3	2193.2	2185.6	2170.5	2193.2	2175.5
40°	2104.8	2094.6	2104.8	2102.2	2104.8	2109.8	2104.8	2099.7	2084.5	2102.2	2087.1
42.5°	1998.6	1996.1	1998.6	2001.1	2001.1	2011.3	2018.8	2008.8	2003.7	1991.1	2001.1
45°	1884.9	1879.9	1884.9	1890.0	1892.5	1897.6	1920.3	1920.3	1912.8	1892.5	1907.7
47.5°	1763.6	1751.0	1763.6	1778.8	1778.8	1786.4	1809.1	1826.8	1814.2	1788.9	1796.5
50°	1634.8	1637.3	1634.8	1644.8	1644.8	1672.7	1690.4	1708.0	1720.7	1690.4	1655.0
52.5°	1508.5	1505.9	1508.5	1516.0	1526.2	1538.8	1569.1	1586.8	1607.0	1589.3	1533.7
55°	1382.1	1387.1	1382.1	1384.7	1389.7	1397.3	1442.8	1460.4	1498.4	1475.6	1417.5
57.5°	1255.8	1248.2	1255.8	1260.8	1263.3	1271.0	1308.8	1341.7	1364.4	1367.0	1296.2
60°	1109.2	1099.1	1109.2	1131.9	1137.0	1142.1	1177.5	1207.8	1227.9	1235.6	1162.3
62.5°	980.4	962.7	980.4	995.5	1005.6	1018.2	1043.5	1089.0	1106.7	1109.2	1005.6
65°	843.9	836.4	843.9	874.2	876.7	891.9	919.8	952.6	990.4	985.5	836.4
67.5°	720.1	720.1	720.1	740.3	755.5	763.0	798.4	813.6	861.6	866.7	697.4
70°	606.4	603.9	606.4	621.5	631.7	649.4	682.2	699.9	737.8	750.4	566.0
72.5°	497.8	495.2	497.8	510.4	520.5	535.7	563.5	583.7	616.6	631.7	439.7
75°	401.8	396.7	401.8	411.8	409.3	429.5	452.3	472.5	502.9	512.9	326.0
77.5°	308.3	308.3	308.3	318.4	318.4	338.6	348.7	374.0	391.7	406.8	240.0
80°	230.0	227.4	230.0	232.5	232.5	242.6	260.3	278.0	293.1	293.1	164.3
82.5°	161.7	156.6	161.7	161.7	161.7	166.8	176.9	182.0	192.0	199.7	103.6
85°	101.1	101.1	101.1	103.6	101.1	106.1	108.6	113.7	113.7	108.6	63.2
87.5°	65.7	63.2	65.7	63.2	63.2	60.6	60.6	60.6	58.1	55.6	35.4
90°	7.3	7.3	7.3	7.3	7.3	9.7	12.9	14.5	12.5	8.4	5.4
92.5°	29.2	23.3	29.2	35.0	36.4	51.6	71.8	81.9	72.0	52.0	37.0
95°	101.6	84.0	101.6	119.1	123.5	162.3	213.8	239.6	202.3	127.8	72.0
97.5°	243.4	210.1	243.4	276.9	285.2	309.7	342.3	358.6	296.4	172.2	79.1
100°	350.8	311.0	350.8	390.6	400.5	398.7	396.3	395.1	326.2	188.4	85.0
102.5°	456.4	422.4	456.4	490.4	498.9	467.8	426.3	405.5	335.6	195.8	90.9
105°	591.0	572.7	591.0	609.3	613.9	544.1	450.9	404.4	336.7	201.4	99.8
107.5°	679.2	683.6	679.2	674.8	673.6	576.2	446.3	381.3	321.7	202.3	112.8
110°	712.7	731.9	712.7	693.7	688.9	580.0	434.8	362.2	308.4	200.8	120.1





TEST NUMBER: P934048

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	715.8	745.1	715.8	686.5	679.2	567.7	419.1	344.8	296.8	200.9	128.9
115°	696.9	737.4	696.9	656.2	646.1	538.7	395.5	323.9	283.5	202.7	142.1
117.5°	656.6	701.7	656.6	611.6	600.3	503.3	374.2	309.5	275.2	206.5	155.0
120°	624.1	667.9	624.1	580.3	569.4	480.9	362.8	303.8	272.4	209.6	162.5
122.5°	592.6	635.7	592.6	549.4	538.6	458.9	352.5	299.4	270.9	214.0	171.3
125°	547.5	587.3	547.5	507.7	497.8	430.1	339.7	294.6	269.7	219.9	182.5
127.5°	507.0	540.5	507.0	473.5	465.1	407.0	329.4	290.6	269.0	225.9	193.4
130°	483.1	514.0	483.1	452.1	444.3	392.6	323.6	289.1	269.5	230.2	200.7
132.5°	461.5	489.2	461.5	433.7	426.7	380.4	318.6	287.7	269.7	233.7	206.6
135°	431.7	455.6	431.7	407.8	401.9	363.1	311.3	285.4	269.5	237.5	213.6
137.5°	407.9	427.5	407.9	388.3	383.4	350.6	306.9	285.0	271.1	243.3	222.4
140°	391.6	409.9	391.6	373.3	368.7	340.4	302.6	283.7	271.4	246.8	228.3
142.5°	378.1	393.8	378.1	362.3	358.4	333.5	300.3	283.7	272.4	249.8	232.7
145°	357.8	369.7	357.8	345.9	342.9	322.5	295.4	281.8	272.4	253.6	239.4
147.5°	342.1	352.1	342.1	332.3	329.8	313.8	292.5	281.8	274.2	259.1	247.8
150°	332.4	340.4	332.4	324.3	322.3	308.9	290.8	281.8	275.2	262.1	252.2
152.5°	324.0	330.0	324.0	317.9	316.4	304.8	289.4	281.8	275.9	264.0	255.1
155°	314.3	318.3	314.3	310.3	309.3	300.1	287.9	281.8	277.3	268.2	261.4
157.5°	306.7	309.5	306.7	303.9	303.2	296.0	286.6	281.8	278.6	272.4	267.7
160°	302.2	303.8	302.2	300.5	300.1	294.0	285.9	281.8	279.3	274.3	270.6
162.5°	299.2	300.7	299.2	297.7	297.3	292.1	285.2	281.8	280.0	276.3	273.7
165°	294.9	296.5	294.9	293.3	292.9	289.2	284.3	281.8	281.0	279.4	278.2
167.5°	291.8	292.5	291.8	291.2	291.0	288.6	285.3	283.7	283.0	281.7	280.6
170°	291.0	291.0	291.0	291.0	291.0	288.6	285.3	283.7	283.7	283.6	283.5
172.5°	288.7	288.1	288.7	289.2	289.4	287.5	284.9	283.7	283.7	283.7	283.7
175°	287.3	287.3	287.3	287.3	287.3	286.1	284.5	283.7	284.1	284.8	285.4
177.5°	286.1	285.4	286.1	286.8	287.0	286.0	284.8	284.1	284.4	284.9	285.4
180°	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4



TEST NUMBER: P934048

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7
2.5°	2708.6	2693.5	2693.5	2668.3	2658.1	2650.6	2637.8	2600.0	2589.8	2579.8	2594.9
5°	2731.4	2703.5	2683.4	2637.8	2600.0	2584.8	2536.8	2445.8	2385.2	2339.7	2314.5
7.5°	2736.4	2701.1	2663.2	2592.4	2501.4	2461.0	2314.5	2147.7	2102.2	2061.8	2036.5
10°	2731.4	2690.9	2637.8	2531.8	2317.0	2246.3	2099.7	1991.1	1963.3	1955.7	1963.3
12.5°	2713.7	2675.8	2602.5	2425.7	2124.9	2076.9	1991.1	1927.9	1922.8	1935.4	2003.7
15°	2683.4	2648.0	2562.1	2284.2	2018.8	1983.4	1922.8	1900.1	1927.9	2016.3	2220.9
17.5°	2653.1	2612.6	2506.5	2145.2	1938.0	1912.8	1869.7	1915.3	2071.9	2190.6	2258.9
20°	2612.6	2564.6	2443.4	2044.1	1879.9	1857.1	1836.9	2041.6	2160.3	2203.3	2241.2
22.5°	2564.6	2514.1	2357.4	1973.4	1819.3	1801.6	1814.2	2112.3	2160.3	2190.6	2223.5
25°	2501.4	2458.5	2256.3	1917.7	1771.3	1751.0	1799.0	2104.8	2132.5	2140.2	2205.8
27.5°	2443.4	2387.7	2150.2	1867.3	1713.1	1705.6	1811.7	2071.9	2092.2	2099.7	2170.5
30°	2372.6	2289.2	2031.4	1814.2	1652.5	1649.9	1814.2	2031.4	2026.5	2046.6	2117.4
32.5°	2299.4	2142.6	1897.6	1748.5	1594.4	1591.9	1796.5	1970.8	1965.7	1993.6	2046.6
35°	2231.1	2028.9	1715.6	1672.7	1521.1	1523.6	1753.6	1900.1	1902.6	1927.9	1960.8
37.5°	2160.3	1930.4	1516.0	1589.3	1450.4	1450.4	1695.4	1834.4	1829.4	1836.9	1882.4
40°	2076.9	1776.3	1339.1	1480.7	1384.7	1377.0	1624.7	1763.6	1745.9	1743.4	1806.6
42.5°	1988.5	1607.0	1207.8	1336.7	1308.8	1298.7	1538.8	1677.7	1644.8	1652.5	1733.3
45°	1892.5	1561.5	1106.7	1129.5	1230.5	1223.0	1445.3	1579.2	1556.5	1576.7	1660.0
47.5°	1796.5	1470.5	1073.9	937.5	1147.1	1144.6	1341.7	1483.2	1470.5	1490.8	1579.2
50°	1665.1	1369.5	1071.3	803.5	1053.6	1063.8	1217.9	1389.7	1389.7	1407.4	1500.8
52.5°	1495.8	1245.6	972.8	727.7	945.0	975.3	1109.2	1308.8	1313.9	1331.6	1415.0
55°	1341.7	1116.8	902.1	669.6	816.1	881.8	1003.1	1225.5	1235.6	1253.3	1329.0
57.5°	1200.2	929.8	886.9	601.3	697.4	760.6	909.6	1144.6	1149.6	1164.8	1238.1
60°	1048.6	672.1	813.6	528.1	593.8	641.8	823.7	1048.6	1066.3	1076.4	1139.6
62.5°	876.7	487.7	737.8	477.5	543.2	553.3	753.0	957.6	980.4	987.9	1025.8
65°	624.1	409.3	626.6	434.6	490.1	492.7	677.2	864.1	884.4	897.0	924.7
67.5°	422.0	333.5	477.5	394.1	449.8	452.3	603.9	755.5	783.3	793.4	811.0
70°	293.1	222.3	353.7	351.2	404.3	409.3	525.5	656.9	682.2	689.8	699.9
72.5°	214.8	179.4	293.1	315.8	356.3	361.3	444.7	545.8	571.0	578.6	583.7
75°	164.3	189.5	237.5	275.4	303.2	305.7	363.8	444.7	462.4	467.5	470.0
77.5°	131.4	176.9	174.3	222.3	247.7	242.6	285.5	343.7	358.8	358.8	358.8
80°	98.6	138.9	131.4	159.2	182.0	176.9	204.6	245.1	250.1	255.2	252.6
82.5°	73.2	88.4	88.4	101.1	121.2	116.3	136.4	159.2	159.2	159.2	164.3
85°	45.5	50.5	40.4	53.1	68.2	65.7	75.8	85.9	88.4	88.4	83.4
87.5°	27.8	22.8	12.6	20.2	30.3	30.3	35.4	37.9	35.4	35.4	35.4
90°	5.0	3.4	1.9	3.4	5.0	5.4	8.4	12.5	14.5	12.9	9.7
92.5°	33.8	20.7	7.6	20.7	33.8	37.0	52.0	72.0	81.9	71.8	51.6
95°	66.1	42.2	18.4	42.2	66.1	72.0	127.8	202.3	239.6	213.8	162.3
97.5°	73.8	52.9	31.8	52.9	73.8	79.1	172.2	296.4	358.6	342.3	309.7
100°	80.2	61.2	42.2	61.2	80.2	85.0	188.4	326.2	395.1	396.3	398.7
102.5°	86.5	68.8	51.0	68.8	86.5	90.9	195.8	335.6	405.5	426.3	467.8
105°	96.1	81.0	65.9	81.0	96.1	99.8	201.4	336.7	404.4	450.9	544.1
107.5°	109.3	95.2	81.2	95.2	109.3	112.8	202.3	321.7	381.3	446.3	576.2
110°	116.9	104.2	91.6	104.2	116.9	120.1	200.8	308.4	362.2	434.8	580.0



TEST NUMBER: P934048

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	125.8	113.8	101.7	113.8	125.8	128.9	200.9	296.8	344.8	419.1	567.7
115°	139.3	128.1	117.0	128.1	139.3	142.1	202.7	283.5	323.9	395.5	538.7
117.5°	152.4	142.3	132.1	142.3	152.4	155.0	206.5	275.2	309.5	374.2	503.3
120°	160.1	150.5	140.9	150.5	160.1	162.5	209.6	272.4	303.8	362.8	480.9
122.5°	168.9	159.2	149.5	159.2	168.9	171.3	214.0	270.9	299.4	352.5	458.9
125°	180.3	171.6	162.8	171.6	180.3	182.5	219.9	269.7	294.6	339.7	430.1
127.5°	191.2	182.3	173.5	182.3	191.2	193.4	225.9	269.0	290.6	329.4	407.0
130°	198.3	188.8	179.3	188.8	198.3	200.7	230.2	269.5	289.1	323.6	392.6
132.5°	204.2	194.8	185.2	194.8	204.2	206.6	233.7	269.7	287.7	318.6	380.4
135°	211.4	202.7	194.0	202.7	211.4	213.6	237.5	269.5	285.4	311.3	363.1
137.5°	220.2	211.6	203.0	211.6	220.2	222.4	243.3	271.1	285.0	306.9	350.6
140°	226.3	218.4	210.5	218.4	226.3	228.3	246.8	271.4	283.7	302.6	340.4
142.5°	230.9	223.6	216.3	223.6	230.9	232.7	249.8	272.4	283.7	300.3	333.5
145°	237.8	231.5	225.1	231.5	237.8	239.4	253.6	272.4	281.8	295.4	322.5
147.5°	246.3	240.1	233.9	240.1	246.3	247.8	259.1	274.2	281.8	292.5	313.8
150°	250.8	245.3	239.6	245.3	250.8	252.2	262.1	275.2	281.8	290.8	308.9
152.5°	254.1	249.8	245.6	249.8	254.1	255.1	264.0	275.9	281.8	289.4	304.8
155°	260.7	257.5	254.3	257.5	260.7	261.4	268.2	277.3	281.8	287.9	300.1
157.5°	267.0	263.9	260.8	263.9	267.0	267.7	272.4	278.6	281.8	286.6	296.0
160°	270.0	267.6	265.2	267.6	270.0	270.6	274.3	279.3	281.8	285.9	294.0
162.5°	273.2	271.5	269.6	271.5	273.2	273.7	276.3	280.0	281.8	285.2	292.1
165°	277.8	276.1	274.5	276.1	277.8	278.2	279.4	281.0	281.8	284.3	289.2
167.5°	280.5	279.7	278.9	279.7	280.5	280.6	281.7	283.0	283.7	285.3	288.6
170°	283.3	282.6	281.8	282.6	283.3	283.5	283.6	283.7	283.7	285.3	288.6
172.5°	283.7	283.5	283.3	283.5	283.7	283.7	283.7	283.7	283.7	284.9	287.5
175°	285.4	285.4	285.4	285.4	285.4	285.4	284.8	284.1	283.7	284.5	286.1
177.5°	285.4	285.4	285.4	285.4	285.4	285.4	284.9	284.4	284.1	284.8	286.0
180°	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4



TEST NUMBER: P934048

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7	2670.7
2.5°	2577.2	2569.7	2579.8	2552.0	2579.8	2569.7	2577.2	2594.9	2579.8	2589.8	2600.0
5°	2261.4	2248.8	2208.3	2175.5	2208.3	2248.8	2261.4	2314.5	2339.7	2385.2	2445.8
7.5°	2021.4	2011.3	2001.1	1980.9	2001.1	2011.3	2021.4	2036.5	2061.8	2102.2	2147.7
10°	1968.3	1970.8	1986.0	1983.4	1986.0	1970.8	1968.3	1963.3	1955.7	1963.3	1991.1
12.5°	2104.8	2127.5	2210.9	2205.8	2210.9	2127.5	2104.8	2003.7	1935.4	1922.8	1927.9
15°	2261.4	2269.0	2286.6	2289.2	2286.6	2269.0	2261.4	2220.9	2016.3	1927.9	1900.1
17.5°	2276.6	2279.1	2291.7	2291.7	2291.7	2279.1	2276.6	2258.9	2190.6	2071.9	1915.3
20°	2264.0	2269.0	2294.3	2299.4	2294.3	2269.0	2264.0	2241.2	2203.3	2160.3	2041.6
22.5°	2258.9	2269.0	2289.2	2286.6	2289.2	2269.0	2258.9	2223.5	2190.6	2160.3	2112.3
25°	2233.6	2233.6	2236.2	2238.6	2236.2	2233.6	2233.6	2205.8	2140.2	2132.5	2104.8
27.5°	2180.6	2185.6	2200.8	2198.3	2200.8	2185.6	2180.6	2170.5	2099.7	2092.2	2071.9
30°	2132.5	2127.5	2114.8	2104.8	2114.8	2127.5	2132.5	2117.4	2046.6	2026.5	2031.4
32.5°	2051.7	2039.1	2026.5	2018.8	2026.5	2039.1	2051.7	2046.6	1993.6	1965.7	1970.8
35°	1955.7	1958.2	1955.7	1948.1	1955.7	1958.2	1955.7	1960.8	1927.9	1902.6	1900.1
37.5°	1887.4	1892.5	1890.0	1879.9	1890.0	1892.5	1887.4	1882.4	1836.9	1829.4	1834.4
40°	1816.7	1819.3	1816.7	1809.1	1816.7	1819.3	1816.7	1806.6	1743.4	1745.9	1763.6
42.5°	1748.5	1745.9	1738.4	1733.3	1738.4	1745.9	1748.5	1733.3	1652.5	1644.8	1677.7
45°	1670.2	1672.7	1657.6	1649.9	1657.6	1672.7	1670.2	1660.0	1576.7	1556.5	1579.2
47.5°	1591.9	1591.9	1579.2	1571.6	1579.2	1591.9	1591.9	1579.2	1490.8	1470.5	1483.2
50°	1508.5	1505.9	1488.2	1485.7	1488.2	1505.9	1508.5	1500.8	1407.4	1389.7	1389.7
52.5°	1412.4	1412.4	1415.0	1420.0	1415.0	1412.4	1412.4	1415.0	1331.6	1313.9	1308.8
55°	1329.0	1331.6	1349.3	1354.4	1349.3	1331.6	1329.0	1329.0	1253.3	1235.6	1225.5
57.5°	1243.1	1243.1	1255.8	1255.8	1255.8	1243.1	1243.1	1238.1	1164.8	1149.6	1144.6
60°	1144.6	1149.6	1159.8	1157.3	1159.8	1149.6	1144.6	1139.6	1076.4	1066.3	1048.6
62.5°	1041.0	1046.1	1048.6	1043.5	1048.6	1046.1	1041.0	1025.8	987.9	980.4	957.6
65°	932.4	937.5	939.9	934.9	939.9	937.5	932.4	924.7	897.0	884.4	864.1
67.5°	821.2	818.7	816.1	826.2	816.1	818.7	821.2	811.0	793.4	783.3	755.5
70°	707.5	707.5	704.9	710.0	704.9	707.5	707.5	699.9	689.8	682.2	656.9
72.5°	586.2	583.7	593.8	586.2	593.8	583.7	586.2	583.7	578.6	571.0	545.8
75°	467.5	472.5	467.5	475.0	467.5	472.5	467.5	470.0	467.5	462.4	444.7
77.5°	356.3	361.3	356.3	356.3	356.3	361.3	356.3	358.8	358.8	358.8	343.7
80°	252.6	250.1	250.1	247.7	250.1	250.1	252.6	252.6	255.2	250.1	245.1
82.5°	161.7	159.2	159.2	164.3	159.2	159.2	161.7	164.3	159.2	159.2	159.2
85°	88.4	90.9	85.9	85.9	85.9	90.9	88.4	83.4	88.4	88.4	85.9
87.5°	32.9	30.3	30.3	30.3	30.3	30.3	32.9	35.4	35.4	35.4	37.9
90°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	9.7	12.9	14.5	12.5
92.5°	36.4	35.0	29.2	23.3	29.2	35.0	36.4	51.6	71.8	81.9	72.0
95°	123.5	119.1	101.6	84.0	101.6	119.1	123.5	162.3	213.8	239.6	202.3
97.5°	285.2	276.9	243.4	210.1	243.4	276.9	285.2	309.7	342.3	358.6	296.4
100°	400.5	390.6	350.8	311.0	350.8	390.6	400.5	398.7	396.3	395.1	326.2
102.5°	498.9	490.4	456.4	422.4	456.4	490.4	498.9	467.8	426.3	405.5	335.6
105°	613.9	609.3	591.0	572.7	591.0	609.3	613.9	544.1	450.9	404.4	336.7
107.5°	673.6	674.8	679.2	683.6	679.2	674.8	673.6	576.2	446.3	381.3	321.7
110°	688.9	693.7	712.7	731.9	712.7	693.7	688.9	580.0	434.8	362.2	308.4



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	679.2	686.5	715.8	745.1	715.8	686.5	679.2	567.7	419.1	344.8	296.8
115°	646.1	656.2	696.9	737.4	696.9	656.2	646.1	538.7	395.5	323.9	283.5
117.5°	600.3	611.6	656.6	701.7	656.6	611.6	600.3	503.3	374.2	309.5	275.2
120°	569.4	580.3	624.1	667.9	624.1	580.3	569.4	480.9	362.8	303.8	272.4
122.5°	538.6	549.4	592.6	635.7	592.6	549.4	538.6	458.9	352.5	299.4	270.9
125°	497.8	507.7	547.5	587.3	547.5	507.7	497.8	430.1	339.7	294.6	269.7
127.5°	465.1	473.5	507.0	540.5	507.0	473.5	465.1	407.0	329.4	290.6	269.0
130°	444.3	452.1	483.1	514.0	483.1	452.1	444.3	392.6	323.6	289.1	269.5
132.5°	426.7	433.7	461.5	489.2	461.5	433.7	426.7	380.4	318.6	287.7	269.7
135°	401.9	407.8	431.7	455.6	431.7	407.8	401.9	363.1	311.3	285.4	269.5
137.5°	383.4	388.3	407.9	427.5	407.9	388.3	383.4	350.6	306.9	285.0	271.1
140°	368.7	373.3	391.6	409.9	391.6	373.3	368.7	340.4	302.6	283.7	271.4
142.5°	358.4	362.3	378.1	393.8	378.1	362.3	358.4	333.5	300.3	283.7	272.4
145°	342.9	345.9	357.8	369.7	357.8	345.9	342.9	322.5	295.4	281.8	272.4
147.5°	329.8	332.3	342.1	352.1	342.1	332.3	329.8	313.8	292.5	281.8	274.2
150°	322.3	324.3	332.4	340.4	332.4	324.3	322.3	308.9	290.8	281.8	275.2
152.5°	316.4	317.9	324.0	330.0	324.0	317.9	316.4	304.8	289.4	281.8	275.9
155°	309.3	310.3	314.3	318.3	314.3	310.3	309.3	300.1	287.9	281.8	277.3
157.5°	303.2	303.9	306.7	309.5	306.7	303.9	303.2	296.0	286.6	281.8	278.6
160°	300.1	300.5	302.2	303.8	302.2	300.5	300.1	294.0	285.9	281.8	279.3
162.5°	297.3	297.7	299.2	300.7	299.2	297.7	297.3	292.1	285.2	281.8	280.0
165°	292.9	293.3	294.9	296.5	294.9	293.3	292.9	289.2	284.3	281.8	281.0
167.5°	291.0	291.2	291.8	292.5	291.8	291.2	291.0	288.6	285.3	283.7	283.0
170°	291.0	291.0	291.0	291.0	291.0	291.0	291.0	288.6	285.3	283.7	283.7
172.5°	289.4	289.2	288.7	288.1	288.7	289.2	289.4	287.5	284.9	283.7	283.7
175°	287.3	287.3	287.3	287.3	287.3	287.3	287.3	286.1	284.5	283.7	284.1
177.5°	287.0	286.8	286.1	285.4	286.1	286.8	287.0	286.0	284.8	284.1	284.4
180°	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2670.7	2670.7	2670.7	2670.7	2670.7
2.5°	2637.8	2650.6	2658.1	2668.3	2693.5
5°	2536.8	2584.8	2600.0	2637.8	2683.4
7.5°	2314.5	2461.0	2501.4	2592.4	2663.2
10°	2099.7	2246.3	2317.0	2531.8	2637.8
12.5°	1991.1	2076.9	2124.9	2425.7	2602.5
15°	1922.8	1983.4	2018.8	2284.2	2562.1
17.5°	1869.7	1912.8	1938.0	2145.2	2506.5
20°	1836.9	1857.1	1879.9	2044.1	2443.4
22.5°	1814.2	1801.6	1819.3	1973.4	2357.4
25°	1799.0	1751.0	1771.3	1917.7	2256.3
27.5°	1811.7	1705.6	1713.1	1867.3	2150.2
30°	1814.2	1649.9	1652.5	1814.2	2031.4
32.5°	1796.5	1591.9	1594.4	1748.5	1897.6
35°	1753.6	1523.6	1521.1	1672.7	1715.6
37.5°	1695.4	1450.4	1450.4	1589.3	1516.0
40°	1624.7	1377.0	1384.7	1480.7	1339.1
42.5°	1538.8	1298.7	1308.8	1336.7	1207.8
45°	1445.3	1223.0	1230.5	1129.5	1106.7
47.5°	1341.7	1144.6	1147.1	937.5	1073.9
50°	1217.9	1063.8	1053.6	803.5	1071.3
52.5°	1109.2	975.3	945.0	727.7	972.8
55°	1003.1	881.8	816.1	669.6	902.1
57.5°	909.6	760.6	697.4	601.3	886.9
60°	823.7	641.8	593.8	528.1	813.6
62.5°	753.0	553.3	543.2	477.5	737.8
65°	677.2	492.7	490.1	434.6	626.6
67.5°	603.9	452.3	449.8	394.1	477.5
70°	525.5	409.3	404.3	351.2	353.7
72.5°	444.7	361.3	356.3	315.8	293.1
75°	363.8	305.7	303.2	275.4	237.5
77.5°	285.5	242.6	247.7	222.3	174.3
80°	204.6	176.9	182.0	159.2	131.4
82.5°	136.4	116.3	121.2	101.1	88.4
85°	75.8	65.7	68.2	53.1	40.4
87.5°	35.4	30.3	30.3	20.2	12.6
90°	8.4	5.4	5.0	3.4	1.9
92.5°	52.0	37.0	33.8	20.7	7.6
95°	127.8	72.0	66.1	42.2	18.4
97.5°	172.2	79.1	73.8	52.9	31.8
100°	188.4	85.0	80.2	61.2	42.2
102.5°	195.8	90.9	86.5	68.8	51.0
105°	201.4	99.8	96.1	81.0	65.9
107.5°	202.3	112.8	109.3	95.2	81.2
110°	200.8	120.1	116.9	104.2	91.6



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CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-6500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	200.9	128.9	125.8	113.8	101.7
115°	202.7	142.1	139.3	128.1	117.0
117.5°	206.5	155.0	152.4	142.3	132.1
120°	209.6	162.5	160.1	150.5	140.9
122.5°	214.0	171.3	168.9	159.2	149.5
125°	219.9	182.5	180.3	171.6	162.8
127.5°	225.9	193.4	191.2	182.3	173.5
130°	230.2	200.7	198.3	188.8	179.3
132.5°	233.7	206.6	204.2	194.8	185.2
135°	237.5	213.6	211.4	202.7	194.0
137.5°	243.3	222.4	220.2	211.6	203.0
140°	246.8	228.3	226.3	218.4	210.5
142.5°	249.8	232.7	230.9	223.6	216.3
145°	253.6	239.4	237.8	231.5	225.1
147.5°	259.1	247.8	246.3	240.1	233.9
150°	262.1	252.2	250.8	245.3	239.6
152.5°	264.0	255.1	254.1	249.8	245.6
155°	268.2	261.4	260.7	257.5	254.3
157.5°	272.4	267.7	267.0	263.9	260.8
160°	274.3	270.6	270.0	267.6	265.2
162.5°	276.3	273.7	273.2	271.5	269.6
165°	279.4	278.2	277.8	276.1	274.5
167.5°	281.7	280.6	280.5	279.7	278.9
170°	283.6	283.5	283.3	282.6	281.8
172.5°	283.7	283.7	283.7	283.5	283.3
175°	284.8	285.4	285.4	285.4	285.4
177.5°	284.9	285.4	285.4	285.4	285.4
180°	285.4	285.4	285.4	285.4	285.4



TEST NUMBER: P934048  
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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	15.89	17.09	16.55	17.76	18.55	18.72	19.92	19.39	20.60	21.39
	3H	16.39	17.47	17.06	18.15	18.98	20.10	21.17	20.77	21.86	22.68
	4H	16.59	17.61	17.29	18.31	19.14	20.56	21.57	21.25	22.27	23.11
	6H	16.73	17.67	17.44	18.38	19.23	20.86	21.80	21.57	22.51	23.36
	8H	16.74	17.64	17.46	18.37	19.22	20.95	21.84	21.67	22.57	23.42
	12H	16.72	17.58	17.45	18.30	19.18	21.00	21.85	21.72	22.57	23.45
4H	2H	16.96	17.98	17.66	18.68	19.51	19.17	20.19	19.87	20.89	21.72
	3H	18.02	18.87	18.73	19.60	20.46	20.71	21.56	21.42	22.30	23.15
	4H	18.31	19.08	19.04	19.82	20.70	21.26	22.02	21.98	22.76	23.65
	6H	18.45	19.12	19.20	19.88	20.78	21.64	22.31	22.39	23.07	23.96
	8H	18.47	19.09	19.22	19.85	20.75	21.76	22.38	22.51	23.14	24.04
	12H	18.45	19.01	19.22	19.79	20.70	21.83	22.39	22.60	23.18	24.08
8H	4H	18.79	19.41	19.54	20.17	21.08	21.41	22.03	22.16	22.79	23.69
	6H	19.07	19.58	19.85	20.39	21.29	21.86	22.38	22.64	23.18	24.08
	8H	19.11	19.57	19.90	20.37	21.30	22.02	22.48	22.81	23.28	24.20
	12H	19.11	19.52	19.91	20.31	21.29	22.13	22.54	22.93	23.33	24.31
12H	4H	18.81	19.37	19.58	20.16	21.07	21.39	21.95	22.16	22.73	23.64
	6H	19.13	19.59	19.92	20.39	21.31	21.86	22.32	22.65	23.12	24.04
	8H	19.21	19.62	20.01	20.41	21.39	22.04	22.44	22.83	23.24	24.22