

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: P933949

Luminaire Tested: SQ4-FA-025U-075D-930-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

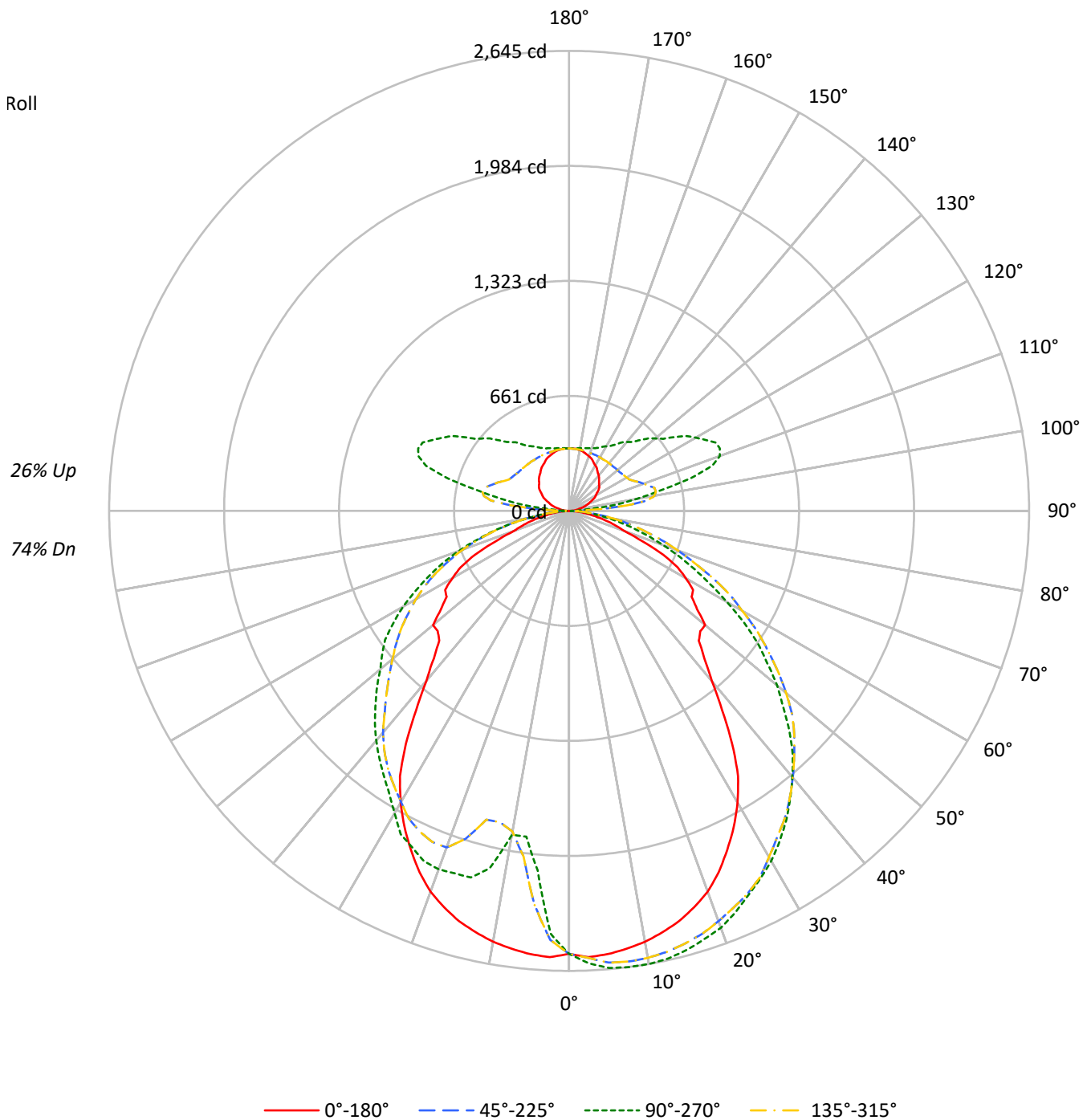
Test Method: LM-79-2019  
Report Number: P933949  
REPORT IS A COMBINATION OF REPORTS P933677 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-025U-075D-930-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8934.1 lumens  
Efficiency: N/A  
Efficacy: 99.3 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: Semi-Direct  
  
Input Watts (W): 90  
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	0
RCR																					
0	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	78	78	78	74
1	103	99	95	91	98	94	90	87	85	82	80	77	75	73	69	68	66	66	66	66	62
2	94	86	80	75	89	82	77	72	75	70	66	68	64	61	61	58	56	56	56	56	52
3	86	76	68	62	81	72	66	60	66	60	56	60	55	52	54	51	48	48	48	48	44
4	79	67	59	53	74	64	57	51	59	52	48	53	48	44	48	44	41	41	41	41	38
5	72	60	52	45	68	57	50	44	52	46	41	48	42	38	43	39	36	36	36	36	33
6	67	54	46	39	63	52	44	38	47	41	36	43	38	34	39	35	31	31	31	31	29
7	62	49	41	35	58	47	39	34	43	36	32	39	34	30	36	31	28	28	28	28	26
8	57	44	36	31	54	43	35	30	39	33	28	36	31	27	33	28	25	25	25	25	23
9	53	41	33	28	51	39	32	27	36	30	25	33	28	24	30	26	23	23	23	23	21
10	50	37	30	25	48	36	29	24	33	27	23	31	25	22	28	24	20	20	20	20	19

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

	0°	90°	180°	270°
0°	7876	7876	7876	7876
5°	7938	7951	7938	6251
10°	7888	7832	7888	5599
15°	7805	7662	7805	6398
20°	7645	7461	7645	6411
25°	7314	7168	7314	6276
30°	6884	6925	6884	5977
35°	6140	6617	6140	5649
40°	5120	6254	5120	5401
45°	4577	5830	4577	5117
50°	4867	5324	4867	4831
55°	4583	4778	4583	4665
60°	4730	4058	4730	4273
65°	4296	3355	4296	3750
70°	2982	2674	2982	3143
75°	2624	1976	2624	2367
80°	2131	1307	2131	1423
85°	1248	692	1248	588

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 7011 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.9	2.6
10°-20°	652.6	7.3
20°-30°	1008.8	11.3
30°-40°	1204.3	13.5
40°-50°	1211.4	13.6
50°-60°	1054.0	11.8
60°-70°	747.3	8.4
70°-80°	395.4	4.4
80°-90°	99.8	1.1
90°-100°	175.3	2.0
100°-110°	460.7	5.2
110°-120°	477.7	5.3
120°-130°	383.2	4.3
130°-140°	300.7	3.4
140°-150°	230.8	2.6
150°-160°	166.2	1.9
160°-170°	101.7	1.1
170°-180°	34.4	0.4
0°-30°	1891.3	21.2
0°-40°	3095.6	34.6
0°-60°	5361.0	60.0
0°-90°	6603.6	73.9
90°-120°	1113.7	12.5
90°-150°	2028.3	22.7
90°-180°	2331.0	26.1
0°-180°	8934.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2546	2546	2546	2546	2546	
5°	2558	2638	2558	2074	2558	243
15°	2443	2614	2443	2183	2443	687
25°	2151	2438	2151	2134	2151	988
35°	1636	2175	1636	1857	1636	1012
45°	1055	1792	1055	1573	1055	845
55°	860	1322	860	1291	860	790
65°	597	797	597	891	597	571
75°	226	378	226	453	226	238
85°	38	96	38	82	38	52
90°	2	9	2	9	2	4
95°	23	106	23	106	23	26
105°	83	721	83	721	83	88
115°	147	929	147	929	147	146
125°	205	740	205	740	205	182
135°	244	574	244	574	244	189
145°	284	466	284	466	284	178
155°	320	401	320	401	320	147
165°	346	374	346	374	346	98
175°	360	362	360	362	360	34
180°	360	360	360	360	360	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4
2.5°	2568.1	2568.1	2582.5	2587.3	2587.3	2580.1	2572.9	2580.1	2601.8	2609.0	2606.6
5°	2558.4	2577.7	2604.2	2609.0	2613.8	2611.4	2606.6	2611.4	2635.5	2640.3	2642.8
7.5°	2539.2	2575.3	2609.0	2616.3	2623.5	2616.3	2613.8	2618.7	2642.8	2647.6	2647.6
10°	2515.1	2565.7	2604.2	2609.0	2616.3	2609.0	2609.0	2618.7	2642.8	2647.6	2650.0
12.5°	2481.4	2551.2	2587.3	2592.2	2601.8	2599.4	2597.0	2606.6	2630.7	2635.5	2635.5
15°	2442.8	2524.7	2558.4	2563.3	2580.1	2575.3	2575.3	2584.9	2611.4	2618.7	2616.3
17.5°	2389.8	2491.0	2529.5	2536.8	2548.8	2546.4	2548.8	2558.4	2582.5	2587.3	2589.8
20°	2329.6	2445.2	2491.0	2498.2	2510.3	2510.3	2510.3	2522.3	2546.4	2556.0	2556.0
22.5°	2247.7	2397.0	2445.2	2450.0	2464.5	2464.5	2469.3	2486.2	2507.8	2510.3	2510.3
25°	2151.3	2344.0	2385.0	2399.4	2413.9	2421.1	2428.4	2438.0	2445.2	2442.8	2445.2
27.5°	2050.1	2276.6	2329.6	2339.2	2358.5	2365.7	2375.4	2377.8	2380.2	2387.4	2382.6
30°	1936.8	2182.6	2262.1	2271.8	2303.1	2307.9	2298.3	2303.1	2315.1	2319.9	2324.8
32.5°	1809.2	2042.8	2192.3	2214.0	2242.9	2228.4	2226.0	2233.2	2252.5	2252.5	2257.3
35°	1635.7	1934.4	2127.2	2146.5	2168.2	2151.3	2161.0	2163.4	2175.4	2182.6	2180.2
37.5°	1445.4	1840.5	2059.7	2074.1	2091.0	2069.3	2083.8	2091.0	2100.6	2095.8	2095.8
40°	1276.8	1693.5	1980.2	1989.8	2004.3	1987.4	2001.9	2006.7	2011.5	2006.7	2004.3
42.5°	1151.5	1532.1	1895.9	1907.9	1898.3	1910.3	1915.2	1924.8	1917.6	1907.9	1907.9
45°	1055.1	1488.8	1804.3	1818.8	1804.3	1823.6	1830.8	1830.8	1809.2	1804.3	1801.9
47.5°	1023.8	1402.0	1712.8	1712.8	1705.6	1729.7	1741.7	1724.8	1703.2	1695.9	1695.9
50°	1021.4	1305.7	1587.5	1577.9	1611.6	1640.5	1628.5	1611.6	1594.8	1568.3	1568.3
52.5°	927.5	1187.6	1426.1	1462.3	1515.3	1532.1	1512.9	1496.0	1467.1	1455.0	1445.4
55°	860.0	1064.8	1279.2	1351.4	1406.9	1428.5	1392.4	1375.5	1332.2	1325.0	1320.1
57.5°	845.6	886.5	1144.3	1235.8	1303.3	1300.9	1279.2	1247.9	1211.7	1204.5	1202.1
60°	775.7	640.8	999.7	1108.1	1178.0	1170.8	1151.5	1122.6	1088.9	1084.0	1079.2
62.5°	703.4	464.9	835.9	958.8	1057.6	1055.1	1038.3	994.9	970.8	958.8	949.1
65°	597.4	390.3	595.0	797.4	939.5	944.3	908.2	876.9	850.4	835.9	833.5
67.5°	455.3	318.0	402.3	664.9	826.3	821.5	775.7	761.2	727.5	720.3	705.8
70°	337.3	212.0	279.4	539.6	715.5	703.4	667.3	650.4	619.1	602.2	592.6
72.5°	279.4	171.0	204.8	419.2	602.2	587.8	556.5	537.2	510.7	496.3	486.6
75°	226.4	180.7	156.6	310.8	489.0	479.4	450.5	431.2	409.5	390.3	392.7
77.5°	166.2	168.6	125.3	228.9	387.8	373.4	356.5	332.4	322.8	303.5	303.5
80°	125.3	132.5	94.0	156.6	279.4	279.4	265.0	248.1	231.3	221.6	221.6
82.5°	84.3	84.3	69.9	98.8	190.3	183.1	173.4	168.6	159.0	154.2	154.2
85°	38.5	48.2	43.4	60.2	103.6	108.4	108.4	103.6	101.2	96.4	98.8
87.5°	12.0	21.7	26.5	33.7	53.0	55.4	57.8	57.8	57.8	60.2	60.2
90°	2.4	4.3	6.3	6.7	10.6	15.7	18.3	16.3	12.2	9.2	9.2
92.5°	9.6	26.0	42.5	46.6	65.4	90.7	103.3	90.5	65.0	45.9	44.0
95°	23.1	53.2	83.2	90.7	161.1	255.0	301.8	269.3	204.4	155.6	150.1
97.5°	40.1	66.6	93.1	99.7	217.0	373.5	451.7	431.1	390.1	359.3	348.7
100°	53.1	77.1	101.1	107.1	237.4	411.0	497.8	499.3	502.3	504.5	492.0
102.5°	64.2	86.6	109.0	114.6	246.7	422.8	510.8	537.0	589.2	628.5	617.7
105°	83.0	102.0	120.9	125.7	253.6	424.1	509.3	568.0	685.3	773.3	767.5
107.5°	102.3	120.0	137.7	142.1	254.9	405.2	480.4	562.2	725.8	848.6	850.0
110°	115.3	131.3	147.3	151.3	252.9	388.5	456.3	547.7	730.6	867.9	873.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	128.2	143.3	158.6	162.4	253.0	373.9	434.3	528.0	715.2	855.6	864.8
115°	147.4	161.5	175.5	179.1	255.4	357.1	408.0	498.2	678.5	813.8	826.6
117.5°	166.5	179.2	192.0	195.2	260.1	346.7	389.9	471.4	634.1	756.2	770.4
120°	177.5	189.6	201.6	204.6	263.9	343.0	382.6	457.0	605.8	717.3	731.1
122.5°	188.5	200.6	212.6	215.7	269.5	341.2	377.1	444.1	578.0	678.5	692.0
125°	205.1	216.2	227.2	230.0	277.0	339.7	371.1	427.9	541.7	627.1	639.6
127.5°	218.6	229.7	240.9	243.7	284.5	338.9	366.0	414.8	512.6	585.8	596.4
130°	225.8	237.8	249.9	252.9	290.0	339.3	364.1	407.6	494.6	559.8	569.6
132.5°	233.4	245.3	257.4	260.3	294.4	339.7	362.4	401.3	479.2	537.6	546.4
135°	244.4	255.4	266.3	269.0	299.2	339.4	359.5	392.1	457.3	506.2	513.8
137.5°	255.8	266.6	277.4	280.1	306.4	341.5	359.0	386.6	441.6	483.0	489.2
140°	265.2	275.1	285.1	287.6	310.8	341.8	357.3	381.1	428.7	464.5	470.2
142.5°	272.4	281.6	290.8	293.2	314.5	343.0	357.3	378.2	420.0	451.4	456.4
145°	283.5	291.6	299.6	301.6	319.4	343.0	354.9	372.0	406.2	431.9	435.6
147.5°	294.6	302.4	310.3	312.2	326.4	345.5	354.9	368.4	395.3	415.5	418.6
150°	301.8	308.9	316.0	317.7	330.1	346.7	354.9	366.3	389.1	406.1	408.6
152.5°	309.3	314.7	320.0	321.4	332.5	347.5	354.9	364.6	384.1	398.6	400.5
155°	320.4	324.3	328.3	329.3	337.8	349.2	354.9	362.6	378.1	389.7	391.0
157.5°	328.6	332.4	336.4	337.3	343.2	351.0	354.9	360.9	372.9	381.9	382.8
160°	334.2	337.2	340.2	341.0	345.6	351.8	354.9	360.1	370.3	378.1	378.5
162.5°	339.7	342.0	344.2	344.8	348.2	352.7	354.9	359.3	367.9	374.4	374.9
165°	345.8	347.8	349.9	350.3	351.9	353.9	354.9	358.1	364.2	368.9	369.4
167.5°	351.3	352.3	353.2	353.5	354.8	356.5	357.3	359.3	363.4	366.5	366.7
170°	354.9	355.9	356.9	357.1	357.2	357.3	357.3	359.3	363.4	366.5	366.5
172.5°	356.9	357.1	357.3	357.3	357.3	357.3	357.3	358.9	362.2	364.6	364.4
175°	359.5	359.5	359.5	359.5	358.8	357.8	357.3	358.4	360.4	361.9	361.9
177.5°	359.5	359.5	359.5	359.5	358.9	358.2	357.8	358.6	360.2	361.4	361.2
180°	359.5	359.5	359.5	359.5	359.5	359.5	359.5	359.5	359.5	359.5	359.5



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4
2.5°	2611.4	2604.2	2611.4	2606.6	2609.0	2601.8	2580.1	2572.9	2580.1	2587.3	2587.3
5°	2642.8	2637.9	2642.8	2642.8	2640.3	2635.5	2611.4	2606.6	2611.4	2613.8	2609.0
7.5°	2652.4	2645.2	2652.4	2647.6	2647.6	2642.8	2618.7	2613.8	2616.3	2623.5	2616.3
10°	2652.4	2645.2	2652.4	2650.0	2647.6	2642.8	2618.7	2609.0	2609.0	2616.3	2609.0
12.5°	2640.3	2635.5	2640.3	2635.5	2635.5	2630.7	2606.6	2597.0	2599.4	2601.8	2592.2
15°	2621.1	2613.8	2621.1	2616.3	2618.7	2611.4	2584.9	2575.3	2575.3	2580.1	2563.3
17.5°	2592.2	2582.5	2592.2	2589.8	2587.3	2582.5	2558.4	2548.8	2546.4	2548.8	2536.8
20°	2558.4	2551.2	2558.4	2556.0	2556.0	2546.4	2522.3	2510.3	2510.3	2510.3	2498.2
22.5°	2505.4	2498.2	2505.4	2510.3	2510.3	2507.8	2486.2	2469.3	2464.5	2464.5	2450.0
25°	2445.2	2438.0	2445.2	2445.2	2442.8	2445.2	2438.0	2428.4	2421.1	2413.9	2399.4
27.5°	2387.4	2382.6	2387.4	2382.6	2387.4	2380.2	2377.8	2375.4	2365.7	2358.5	2339.2
30°	2329.6	2324.8	2329.6	2324.8	2319.9	2315.1	2303.1	2298.3	2307.9	2303.1	2271.8
32.5°	2257.3	2252.5	2257.3	2257.3	2252.5	2252.5	2233.2	2226.0	2228.4	2242.9	2214.0
35°	2182.6	2175.4	2182.6	2180.2	2182.6	2175.4	2163.4	2161.0	2151.3	2168.2	2146.5
37.5°	2095.8	2088.6	2095.8	2095.8	2095.8	2100.6	2091.0	2083.8	2069.3	2091.0	2074.1
40°	2006.7	1997.1	2006.7	2004.3	2006.7	2011.5	2006.7	2001.9	1987.4	2004.3	1989.8
42.5°	1905.5	1903.1	1905.5	1907.9	1907.9	1917.6	1924.8	1915.2	1910.3	1898.3	1907.9
45°	1797.1	1792.3	1797.1	1801.9	1804.3	1809.2	1830.8	1830.8	1823.6	1804.3	1818.8
47.5°	1681.5	1669.4	1681.5	1695.9	1695.9	1703.2	1724.8	1741.7	1729.7	1705.6	1712.8
50°	1558.6	1561.0	1558.6	1568.3	1568.3	1594.8	1611.6	1628.5	1640.5	1611.6	1577.9
52.5°	1438.2	1435.8	1438.2	1445.4	1455.0	1467.1	1496.0	1512.9	1532.1	1515.3	1462.3
55°	1317.7	1322.5	1317.7	1320.1	1325.0	1332.2	1375.5	1392.4	1428.5	1406.9	1351.4
57.5°	1197.3	1190.0	1197.3	1202.1	1204.5	1211.7	1247.9	1279.2	1300.9	1303.3	1235.8
60°	1057.6	1047.9	1057.6	1079.2	1084.0	1088.9	1122.6	1151.5	1170.8	1178.0	1108.1
62.5°	934.7	917.8	934.7	949.1	958.8	970.8	994.9	1038.3	1055.1	1057.6	958.8
65°	804.6	797.4	804.6	833.5	835.9	850.4	876.9	908.2	944.3	939.5	797.4
67.5°	686.6	686.6	686.6	705.8	720.3	727.5	761.2	775.7	821.5	826.3	664.9
70°	578.2	575.8	578.2	592.6	602.2	619.1	650.4	667.3	703.4	715.5	539.6
72.5°	474.6	472.2	474.6	486.6	496.3	510.7	537.2	556.5	587.8	602.2	419.2
75°	383.0	378.2	383.0	392.7	390.3	409.5	431.2	450.5	479.4	489.0	310.8
77.5°	293.9	293.9	293.9	303.5	303.5	322.8	332.4	356.5	373.4	387.8	228.9
80°	219.2	216.8	219.2	221.6	221.6	231.3	248.1	265.0	279.4	279.4	156.6
82.5°	154.2	149.4	154.2	154.2	154.2	159.0	168.6	173.4	183.1	190.3	98.8
85°	96.4	96.4	96.4	98.8	96.4	101.2	103.6	108.4	108.4	103.6	60.2
87.5°	62.6	60.2	62.6	60.2	60.2	57.8	57.8	57.8	55.4	53.0	33.7
90°	9.2	9.2	9.2	9.2	9.2	12.2	16.3	18.3	15.7	10.6	6.7
92.5°	36.8	29.5	36.8	44.0	45.9	65.0	90.5	103.3	90.7	65.4	46.6
95°	128.0	105.9	128.0	150.1	155.6	204.4	269.3	301.8	255.0	161.1	90.7
97.5°	306.7	264.7	306.7	348.7	359.3	390.1	431.1	451.7	373.5	217.0	99.7
100°	442.0	391.9	442.0	492.0	504.5	502.3	499.3	497.8	411.0	237.4	107.1
102.5°	574.9	532.0	574.9	617.7	628.5	589.2	537.0	510.8	422.8	246.7	114.6
105°	744.5	721.4	744.5	767.5	773.3	685.3	568.0	509.3	424.1	253.6	125.7
107.5°	855.6	861.1	855.6	850.0	848.6	725.8	562.2	480.4	405.2	254.9	142.1
110°	897.9	921.9	897.9	873.9	867.9	730.6	547.7	456.3	388.5	252.9	151.3





TEST NUMBER: P933949

CATALOG NUMBER: SQ4-FA-025U-075D-930-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	901.7	938.5	901.7	864.8	855.6	715.2	528.0	434.3	373.9	253.0	162.4
115°	877.8	928.9	877.8	826.6	813.8	678.5	498.2	408.0	357.1	255.4	179.1
117.5°	827.1	883.8	827.1	770.4	756.2	634.1	471.4	389.9	346.7	260.1	195.2
120°	786.2	841.3	786.2	731.1	717.3	605.8	457.0	382.6	343.0	263.9	204.6
122.5°	746.5	800.8	746.5	692.0	678.5	578.0	444.1	377.1	341.2	269.5	215.7
125°	689.6	739.7	689.6	639.6	627.1	541.7	427.9	371.1	339.7	277.0	230.0
127.5°	638.6	680.9	638.6	596.4	585.8	512.6	414.8	366.0	338.9	284.5	243.7
130°	608.6	647.6	608.6	569.6	559.8	494.6	407.6	364.1	339.3	290.0	252.9
132.5°	581.3	616.2	581.3	546.4	537.6	479.2	401.3	362.4	339.7	294.4	260.3
135°	543.9	574.0	543.9	513.8	506.2	457.3	392.1	359.5	339.4	299.2	269.0
137.5°	513.8	538.6	513.8	489.2	483.0	441.6	386.6	359.0	341.5	306.4	280.1
140°	493.3	516.3	493.3	470.2	464.5	428.7	381.1	357.3	341.8	310.8	287.6
142.5°	476.3	496.1	476.3	456.4	451.4	420.0	378.2	357.3	343.0	314.5	293.2
145°	450.6	465.7	450.6	435.6	431.9	406.2	372.0	354.9	343.0	319.4	301.6
147.5°	431.1	443.5	431.1	418.6	415.5	395.3	368.4	354.9	345.5	326.4	312.2
150°	418.7	428.7	418.7	408.6	406.1	389.1	366.3	354.9	346.7	330.1	317.7
152.5°	408.1	415.7	408.1	400.5	398.6	384.1	364.6	354.9	347.5	332.5	321.4
155°	396.0	401.0	396.0	391.0	389.7	378.1	362.6	354.9	349.2	337.8	329.3
157.5°	386.4	389.9	386.4	382.8	381.9	372.9	360.9	354.9	351.0	343.2	337.3
160°	380.6	382.6	380.6	378.5	378.1	370.3	360.1	354.9	351.8	345.6	341.0
162.5°	376.8	378.8	376.8	374.9	374.4	367.9	359.3	354.9	352.7	348.2	344.8
165°	371.5	373.5	371.5	369.4	368.9	364.2	358.1	354.9	353.9	351.9	350.3
167.5°	367.5	368.4	367.5	366.7	366.5	363.4	359.3	357.3	356.5	354.8	353.5
170°	366.5	366.5	366.5	366.5	366.5	363.4	359.3	357.3	357.3	357.2	357.1
172.5°	363.6	362.9	363.6	364.4	364.6	362.2	358.9	357.3	357.3	357.3	357.3
175°	361.9	361.9	361.9	361.9	361.9	360.4	358.4	357.3	357.8	358.8	359.5
177.5°	360.4	359.5	360.4	361.2	361.4	360.2	358.6	357.8	358.2	358.9	359.5
180°	359.5	359.5	359.5	359.5	359.5	359.5	359.5	359.5	359.5	359.5	359.5



TEST NUMBER: P933949

CATALOG NUMBER: SQ4-FA-025U-075D-930-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4
2.5°	2582.5	2568.1	2568.1	2544.0	2534.3	2527.1	2515.1	2478.9	2469.3	2459.7	2474.1
5°	2604.2	2577.7	2558.4	2515.1	2478.9	2464.5	2418.7	2332.0	2274.2	2230.8	2206.7
7.5°	2609.0	2575.3	2539.2	2471.7	2385.0	2346.4	2206.7	2047.6	2004.3	1965.7	1941.7
10°	2604.2	2565.7	2515.1	2413.9	2209.1	2141.7	2001.9	1898.3	1871.8	1864.6	1871.8
12.5°	2587.3	2551.2	2481.4	2312.7	2026.0	1980.2	1898.3	1838.1	1833.2	1845.3	1910.3
15°	2558.4	2524.7	2442.8	2177.8	1924.8	1891.1	1833.2	1811.6	1838.1	1922.4	2117.5
17.5°	2529.5	2491.0	2389.8	2045.2	1847.7	1823.6	1782.7	1826.0	1975.4	2088.6	2153.7
20°	2491.0	2445.2	2329.6	1948.9	1792.3	1770.6	1751.3	1946.5	2059.7	2100.6	2136.9
22.5°	2445.2	2397.0	2247.7	1881.4	1734.5	1717.6	1729.7	2013.9	2059.7	2088.6	2119.9
25°	2385.0	2344.0	2151.3	1828.4	1688.7	1669.4	1715.2	2006.7	2033.2	2040.4	2103.1
27.5°	2329.6	2276.6	2050.1	1780.3	1633.3	1626.1	1727.3	1975.4	1994.7	2001.9	2069.3
30°	2262.1	2182.6	1936.8	1729.7	1575.5	1573.1	1729.7	1936.8	1932.0	1951.3	2018.7
32.5°	2192.3	2042.8	1809.2	1667.0	1520.1	1517.7	1712.8	1879.0	1874.2	1900.7	1951.3
35°	2127.2	1934.4	1635.7	1594.8	1450.2	1452.6	1671.8	1811.6	1814.0	1838.1	1869.4
37.5°	2059.7	1840.5	1445.4	1515.3	1382.8	1382.8	1616.4	1748.9	1744.1	1751.3	1794.7
40°	1980.2	1693.5	1276.8	1411.7	1320.1	1312.9	1549.0	1681.5	1664.6	1662.2	1722.4
42.5°	1895.9	1532.1	1151.5	1274.4	1247.9	1238.2	1467.1	1599.6	1568.3	1575.5	1652.6
45°	1804.3	1488.8	1055.1	1076.8	1173.2	1166.0	1377.9	1505.6	1483.9	1503.2	1582.7
47.5°	1712.8	1402.0	1023.8	893.7	1093.7	1091.3	1279.2	1414.1	1402.0	1421.3	1505.6
50°	1587.5	1305.7	1021.4	766.1	1004.6	1014.2	1161.1	1325.0	1325.0	1341.8	1430.9
52.5°	1426.1	1187.6	927.5	693.8	901.0	929.9	1057.6	1247.9	1252.7	1269.5	1349.0
55°	1279.2	1064.8	860.0	638.4	778.1	840.7	956.4	1168.4	1178.0	1194.9	1267.1
57.5°	1144.3	886.5	845.6	573.3	664.9	725.1	867.2	1091.3	1096.1	1110.5	1180.4
60°	999.7	640.8	775.7	503.5	566.1	611.9	785.3	999.7	1016.6	1026.2	1086.5
62.5°	835.9	464.9	703.4	455.3	517.9	527.6	717.9	913.0	934.7	941.9	978.1
65°	595.0	390.3	597.4	414.3	467.3	469.8	645.6	823.9	843.2	855.2	881.7
67.5°	402.3	318.0	455.3	375.8	428.8	431.2	575.8	720.3	746.8	756.4	773.3
70°	279.4	212.0	337.3	334.9	385.4	390.3	501.1	626.3	650.4	657.7	667.3
72.5°	204.8	171.0	279.4	301.1	339.7	344.5	424.0	520.3	544.4	551.7	556.5
75°	156.6	180.7	226.4	262.6	289.1	291.5	346.9	424.0	440.8	445.7	448.1
77.5°	125.3	168.6	166.2	212.0	236.1	231.3	272.2	327.6	342.1	342.1	342.1
80°	94.0	132.5	125.3	151.8	173.4	168.6	195.1	233.7	238.5	243.3	240.9
82.5°	69.9	84.3	84.3	96.4	115.6	110.8	130.1	151.8	151.8	151.8	156.6
85°	43.4	48.2	38.5	50.6	65.0	62.6	72.3	81.9	84.3	84.3	79.5
87.5°	26.5	21.7	12.0	19.3	28.9	28.9	33.7	36.1	33.7	33.7	33.7
90°	6.3	4.3	2.4	4.3	6.3	6.7	10.6	15.7	18.3	16.3	12.2
92.5°	42.5	26.0	9.6	26.0	42.5	46.6	65.4	90.7	103.3	90.5	65.0
95°	83.2	53.2	23.1	53.2	83.2	90.7	161.1	255.0	301.8	269.3	204.4
97.5°	93.1	66.6	40.1	66.6	93.1	99.7	217.0	373.5	451.7	431.1	390.1
100°	101.1	77.1	53.1	77.1	101.1	107.1	237.4	411.0	497.8	499.3	502.3
102.5°	109.0	86.6	64.2	86.6	109.0	114.6	246.7	422.8	510.8	537.0	589.2
105°	120.9	102.0	83.0	102.0	120.9	125.7	253.6	424.1	509.3	568.0	685.3
107.5°	137.7	120.0	102.3	120.0	137.7	142.1	254.9	405.2	480.4	562.2	725.8
110°	147.3	131.3	115.3	131.3	147.3	151.3	252.9	388.5	456.3	547.7	730.6



TEST NUMBER: P933949

CATALOG NUMBER: SQ4-FA-025U-075D-930-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	158.6	143.3	128.2	143.3	158.6	162.4	253.0	373.9	434.3	528.0	715.2
115°	175.5	161.5	147.4	161.5	175.5	179.1	255.4	357.1	408.0	498.2	678.5
117.5°	192.0	179.2	166.5	179.2	192.0	195.2	260.1	346.7	389.9	471.4	634.1
120°	201.6	189.6	177.5	189.6	201.6	204.6	263.9	343.0	382.6	457.0	605.8
122.5°	212.6	200.6	188.5	200.6	212.6	215.7	269.5	341.2	377.1	444.1	578.0
125°	227.2	216.2	205.1	216.2	227.2	230.0	277.0	339.7	371.1	427.9	541.7
127.5°	240.9	229.7	218.6	229.7	240.9	243.7	284.5	338.9	366.0	414.8	512.6
130°	249.9	237.8	225.8	237.8	249.9	252.9	290.0	339.3	364.1	407.6	494.6
132.5°	257.4	245.3	233.4	245.3	257.4	260.3	294.4	339.7	362.4	401.3	479.2
135°	266.3	255.4	244.4	255.4	266.3	269.0	299.2	339.4	359.5	392.1	457.3
137.5°	277.4	266.6	255.8	266.6	277.4	280.1	306.4	341.5	359.0	386.6	441.6
140°	285.1	275.1	265.2	275.1	285.1	287.6	310.8	341.8	357.3	381.1	428.7
142.5°	290.8	281.6	272.4	281.6	290.8	293.2	314.5	343.0	357.3	378.2	420.0
145°	299.6	291.6	283.5	291.6	299.6	301.6	319.4	343.0	354.9	372.0	406.2
147.5°	310.3	302.4	294.6	302.4	310.3	312.2	326.4	345.5	354.9	368.4	395.3
150°	316.0	308.9	301.8	308.9	316.0	317.7	330.1	346.7	354.9	366.3	389.1
152.5°	320.0	314.7	309.3	314.7	320.0	321.4	332.5	347.5	354.9	364.6	384.1
155°	328.3	324.3	320.4	324.3	328.3	329.3	337.8	349.2	354.9	362.6	378.1
157.5°	336.4	332.4	328.6	332.4	336.4	337.3	343.2	351.0	354.9	360.9	372.9
160°	340.2	337.2	334.2	337.2	340.2	341.0	345.6	351.8	354.9	360.1	370.3
162.5°	344.2	342.0	339.7	342.0	344.2	344.8	348.2	352.7	354.9	359.3	367.9
165°	349.9	347.8	345.8	347.8	349.9	350.3	351.9	353.9	354.9	358.1	364.2
167.5°	353.2	352.3	351.3	352.3	353.2	353.5	354.8	356.5	357.3	359.3	363.4
170°	356.9	355.9	354.9	355.9	356.9	357.1	357.2	357.3	357.3	359.3	363.4
172.5°	357.3	357.1	356.9	357.1	357.3	357.3	357.3	357.3	357.3	358.9	362.2
175°	359.5	359.5	359.5	359.5	359.5	359.5	358.8	357.8	357.3	358.4	360.4
177.5°	359.5	359.5	359.5	359.5	359.5	359.5	358.9	358.2	357.8	358.6	360.2
180°	359.5	359.5	359.5	359.5	359.5	359.5	359.5	359.5	359.5	359.5	359.5



TEST NUMBER: P933949

CATALOG NUMBER: SQ4-FA-025U-075D-930-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4	2546.4
2.5°	2457.3	2450.0	2459.7	2433.2	2459.7	2450.0	2457.3	2474.1	2459.7	2469.3	2478.9
5°	2156.1	2144.1	2105.5	2074.1	2105.5	2144.1	2156.1	2206.7	2230.8	2274.2	2332.0
7.5°	1927.2	1917.6	1907.9	1888.7	1907.9	1917.6	1927.2	1941.7	1965.7	2004.3	2047.6
10°	1876.6	1879.0	1893.5	1891.1	1893.5	1879.0	1876.6	1871.8	1864.6	1871.8	1898.3
12.5°	2006.7	2028.4	2107.9	2103.1	2107.9	2028.4	2006.7	1910.3	1845.3	1833.2	1838.1
15°	2156.1	2163.4	2180.2	2182.6	2180.2	2163.4	2156.1	2117.5	1922.4	1838.1	1811.6
17.5°	2170.6	2173.0	2185.0	2185.0	2185.0	2173.0	2170.6	2153.7	2088.6	1975.4	1826.0
20°	2158.5	2163.4	2187.5	2192.3	2187.5	2163.4	2158.5	2136.9	2100.6	2059.7	1946.5
22.5°	2153.7	2163.4	2182.6	2180.2	2182.6	2163.4	2153.7	2119.9	2088.6	2059.7	2013.9
25°	2129.6	2129.6	2132.0	2134.5	2132.0	2129.6	2129.6	2103.1	2040.4	2033.2	2006.7
27.5°	2079.0	2083.8	2098.2	2095.8	2098.2	2083.8	2079.0	2069.3	2001.9	1994.7	1975.4
30°	2033.2	2028.4	2016.3	2006.7	2016.3	2028.4	2033.2	2018.7	1951.3	1932.0	1936.8
32.5°	1956.1	1944.1	1932.0	1924.8	1932.0	1944.1	1956.1	1951.3	1900.7	1874.2	1879.0
35°	1864.6	1867.0	1864.6	1857.3	1864.6	1867.0	1864.6	1869.4	1838.1	1814.0	1811.6
37.5°	1799.5	1804.3	1801.9	1792.3	1801.9	1804.3	1799.5	1794.7	1751.3	1744.1	1748.9
40°	1732.1	1734.5	1732.1	1724.8	1732.1	1734.5	1732.1	1722.4	1662.2	1664.6	1681.5
42.5°	1667.0	1664.6	1657.4	1652.6	1657.4	1664.6	1667.0	1652.6	1575.5	1568.3	1599.6
45°	1592.3	1594.8	1580.3	1573.1	1580.3	1594.8	1592.3	1582.7	1503.2	1483.9	1505.6
47.5°	1517.7	1517.7	1505.6	1498.4	1505.6	1517.7	1517.7	1505.6	1421.3	1402.0	1414.1
50°	1438.2	1435.8	1418.9	1416.5	1418.9	1435.8	1438.2	1430.9	1341.8	1325.0	1325.0
52.5°	1346.6	1346.6	1349.0	1353.9	1349.0	1346.6	1346.6	1349.0	1269.5	1252.7	1247.9
55°	1267.1	1269.5	1286.4	1291.2	1286.4	1269.5	1267.1	1267.1	1194.9	1178.0	1168.4
57.5°	1185.2	1185.2	1197.3	1197.3	1197.3	1185.2	1185.2	1180.4	1110.5	1096.1	1091.3
60°	1091.3	1096.1	1105.7	1103.3	1105.7	1096.1	1091.3	1086.5	1026.2	1016.6	999.7
62.5°	992.5	997.3	999.7	994.9	999.7	997.3	992.5	978.1	941.9	934.7	913.0
65°	888.9	893.7	896.1	891.3	896.1	893.7	888.9	881.7	855.2	843.2	823.9
67.5°	782.9	780.5	778.1	787.7	778.1	780.5	782.9	773.3	756.4	746.8	720.3
70°	674.5	674.5	672.1	676.9	672.1	674.5	674.5	667.3	657.7	650.4	626.3
72.5°	558.9	556.5	566.1	558.9	566.1	556.5	558.9	556.5	551.7	544.4	520.3
75°	445.7	450.5	445.7	452.9	445.7	450.5	445.7	448.1	445.7	440.8	424.0
77.5°	339.7	344.5	339.7	339.7	339.7	344.5	339.7	342.1	342.1	342.1	327.6
80°	240.9	238.5	238.5	236.1	238.5	238.5	240.9	240.9	243.3	238.5	233.7
82.5°	154.2	151.8	151.8	156.6	151.8	151.8	154.2	156.6	151.8	151.8	151.8
85°	84.3	86.7	81.9	81.9	81.9	86.7	84.3	79.5	84.3	84.3	81.9
87.5°	31.3	28.9	28.9	28.9	28.9	28.9	31.3	33.7	33.7	33.7	36.1
90°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	12.2	16.3	18.3	15.7
92.5°	45.9	44.0	36.8	29.5	36.8	44.0	45.9	65.0	90.5	103.3	90.7
95°	155.6	150.1	128.0	105.9	128.0	150.1	155.6	204.4	269.3	301.8	255.0
97.5°	359.3	348.7	306.7	264.7	306.7	348.7	359.3	390.1	431.1	451.7	373.5
100°	504.5	492.0	442.0	391.9	442.0	492.0	504.5	502.3	499.3	497.8	411.0
102.5°	628.5	617.7	574.9	532.0	574.9	617.7	628.5	589.2	537.0	510.8	422.8
105°	773.3	767.5	744.5	721.4	744.5	767.5	773.3	685.3	568.0	509.3	424.1
107.5°	848.6	850.0	855.6	861.1	855.6	850.0	848.6	725.8	562.2	480.4	405.2
110°	867.9	873.9	897.9	921.9	897.9	873.9	867.9	730.6	547.7	456.3	388.5



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	855.6	864.8	901.7	938.5	901.7	864.8	855.6	715.2	528.0	434.3	373.9
115°	813.8	826.6	877.8	928.9	877.8	826.6	813.8	678.5	498.2	408.0	357.1
117.5°	756.2	770.4	827.1	883.8	827.1	770.4	756.2	634.1	471.4	389.9	346.7
120°	717.3	731.1	786.2	841.3	786.2	731.1	717.3	605.8	457.0	382.6	343.0
122.5°	678.5	692.0	746.5	800.8	746.5	692.0	678.5	578.0	444.1	377.1	341.2
125°	627.1	639.6	689.6	739.7	689.6	639.6	627.1	541.7	427.9	371.1	339.7
127.5°	585.8	596.4	638.6	680.9	638.6	596.4	585.8	512.6	414.8	366.0	338.9
130°	559.8	569.6	608.6	647.6	608.6	569.6	559.8	494.6	407.6	364.1	339.3
132.5°	537.6	546.4	581.3	616.2	581.3	546.4	537.6	479.2	401.3	362.4	339.7
135°	506.2	513.8	543.9	574.0	543.9	513.8	506.2	457.3	392.1	359.5	339.4
137.5°	483.0	489.2	513.8	538.6	513.8	489.2	483.0	441.6	386.6	359.0	341.5
140°	464.5	470.2	493.3	516.3	493.3	470.2	464.5	428.7	381.1	357.3	341.8
142.5°	451.4	456.4	476.3	496.1	476.3	456.4	451.4	420.0	378.2	357.3	343.0
145°	431.9	435.6	450.6	465.7	450.6	435.6	431.9	406.2	372.0	354.9	343.0
147.5°	415.5	418.6	431.1	443.5	431.1	418.6	415.5	395.3	368.4	354.9	345.5
150°	406.1	408.6	418.7	428.7	418.7	408.6	406.1	389.1	366.3	354.9	346.7
152.5°	398.6	400.5	408.1	415.7	408.1	400.5	398.6	384.1	364.6	354.9	347.5
155°	389.7	391.0	396.0	401.0	396.0	391.0	389.7	378.1	362.6	354.9	349.2
157.5°	381.9	382.8	386.4	389.9	386.4	382.8	381.9	372.9	360.9	354.9	351.0
160°	378.1	378.5	380.6	382.6	380.6	378.5	378.1	370.3	360.1	354.9	351.8
162.5°	374.4	374.9	376.8	378.8	376.8	374.9	374.4	367.9	359.3	354.9	352.7
165°	368.9	369.4	371.5	373.5	371.5	369.4	368.9	364.2	358.1	354.9	353.9
167.5°	366.5	366.7	367.5	368.4	367.5	366.7	366.5	363.4	359.3	357.3	356.5
170°	366.5	366.5	366.5	366.5	366.5	366.5	366.5	363.4	359.3	357.3	357.3
172.5°	364.6	364.4	363.6	362.9	363.6	364.4	364.6	362.2	358.9	357.3	357.3
175°	361.9	361.9	361.9	361.9	361.9	361.9	361.9	360.4	358.4	357.3	357.8
177.5°	361.4	361.2	360.4	359.5	360.4	361.2	361.4	360.2	358.6	357.8	358.2
180°	359.5	359.5	359.5	359.5	359.5	359.5	359.5	359.5	359.5	359.5	359.5



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2546.4	2546.4	2546.4	2546.4	2546.4
2.5°	2515.1	2527.1	2534.3	2544.0	2568.1
5°	2418.7	2464.5	2478.9	2515.1	2558.4
7.5°	2206.7	2346.4	2385.0	2471.7	2539.2
10°	2001.9	2141.7	2209.1	2413.9	2515.1
12.5°	1898.3	1980.2	2026.0	2312.7	2481.4
15°	1833.2	1891.1	1924.8	2177.8	2442.8
17.5°	1782.7	1823.6	1847.7	2045.2	2389.8
20°	1751.3	1770.6	1792.3	1948.9	2329.6
22.5°	1729.7	1717.6	1734.5	1881.4	2247.7
25°	1715.2	1669.4	1688.7	1828.4	2151.3
27.5°	1727.3	1626.1	1633.3	1780.3	2050.1
30°	1729.7	1573.1	1575.5	1729.7	1936.8
32.5°	1712.8	1517.7	1520.1	1667.0	1809.2
35°	1671.8	1452.6	1450.2	1594.8	1635.7
37.5°	1616.4	1382.8	1382.8	1515.3	1445.4
40°	1549.0	1312.9	1320.1	1411.7	1276.8
42.5°	1467.1	1238.2	1247.9	1274.4	1151.5
45°	1377.9	1166.0	1173.2	1076.8	1055.1
47.5°	1279.2	1091.3	1093.7	893.7	1023.8
50°	1161.1	1014.2	1004.6	766.1	1021.4
52.5°	1057.6	929.9	901.0	693.8	927.5
55°	956.4	840.7	778.1	638.4	860.0
57.5°	867.2	725.1	664.9	573.3	845.6
60°	785.3	611.9	566.1	503.5	775.7
62.5°	717.9	527.6	517.9	455.3	703.4
65°	645.6	469.8	467.3	414.3	597.4
67.5°	575.8	431.2	428.8	375.8	455.3
70°	501.1	390.3	385.4	334.9	337.3
72.5°	424.0	344.5	339.7	301.1	279.4
75°	346.9	291.5	289.1	262.6	226.4
77.5°	272.2	231.3	236.1	212.0	166.2
80°	195.1	168.6	173.4	151.8	125.3
82.5°	130.1	110.8	115.6	96.4	84.3
85°	72.3	62.6	65.0	50.6	38.5
87.5°	33.7	28.9	28.9	19.3	12.0
90°	10.6	6.7	6.3	4.3	2.4
92.5°	65.4	46.6	42.5	26.0	9.6
95°	161.1	90.7	83.2	53.2	23.1
97.5°	217.0	99.7	93.1	66.6	40.1
100°	237.4	107.1	101.1	77.1	53.1
102.5°	246.7	114.6	109.0	86.6	64.2
105°	253.6	125.7	120.9	102.0	83.0
107.5°	254.9	142.1	137.7	120.0	102.3
110°	252.9	151.3	147.3	131.3	115.3



TEST NUMBER: P933949

CATALOG NUMBER: SQ4-FA-025U-075D-930-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	253.0	162.4	158.6	143.3	128.2
115°	255.4	179.1	175.5	161.5	147.4
117.5°	260.1	195.2	192.0	179.2	166.5
120°	263.9	204.6	201.6	189.6	177.5
122.5°	269.5	215.7	212.6	200.6	188.5
125°	277.0	230.0	227.2	216.2	205.1
127.5°	284.5	243.7	240.9	229.7	218.6
130°	290.0	252.9	249.9	237.8	225.8
132.5°	294.4	260.3	257.4	245.3	233.4
135°	299.2	269.0	266.3	255.4	244.4
137.5°	306.4	280.1	277.4	266.6	255.8
140°	310.8	287.6	285.1	275.1	265.2
142.5°	314.5	293.2	290.8	281.6	272.4
145°	319.4	301.6	299.6	291.6	283.5
147.5°	326.4	312.2	310.3	302.4	294.6
150°	330.1	317.7	316.0	308.9	301.8
152.5°	332.5	321.4	320.0	314.7	309.3
155°	337.8	329.3	328.3	324.3	320.4
157.5°	343.2	337.3	336.4	332.4	328.6
160°	345.6	341.0	340.2	337.2	334.2
162.5°	348.2	344.8	344.2	342.0	339.7
165°	351.9	350.3	349.9	347.8	345.8
167.5°	354.8	353.5	353.2	352.3	351.3
170°	357.2	357.1	356.9	355.9	354.9
172.5°	357.3	357.3	357.3	357.1	356.9
175°	358.8	359.5	359.5	359.5	359.5
177.5°	358.9	359.5	359.5	359.5	359.5
180°	359.5	359.5	359.5	359.5	359.5



TEST NUMBER: P933949  
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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	13.95	15.07	14.67	15.82	16.70	16.80	17.93	17.52	18.67	19.55
	3H	14.44	15.46	15.18	16.21	17.12	18.17	19.18	18.91	19.93	20.85
	4H	14.65	15.60	15.40	16.36	17.29	18.63	19.59	19.38	20.35	21.27
	6H	14.78	15.66	15.55	16.43	17.37	18.94	19.82	19.70	20.59	21.53
	8H	14.79	15.63	15.56	16.42	17.36	19.02	19.86	19.80	20.65	21.59
	12H	14.77	15.57	15.55	16.35	17.32	19.07	19.87	19.85	20.65	21.62
4H	2H	15.02	15.97	15.77	16.73	17.66	17.24	18.19	18.00	18.95	19.88
	3H	16.07	16.86	16.84	17.66	18.61	18.78	19.57	19.54	20.37	21.31
	4H	16.36	17.08	17.14	17.88	18.85	19.32	20.04	20.10	20.84	21.81
	6H	16.50	17.12	17.30	17.94	18.92	19.70	20.33	20.51	21.15	22.13
	8H	16.51	17.09	17.31	17.91	18.90	19.82	20.41	20.63	21.22	22.21
	12H	16.49	17.01	17.31	17.85	18.85	19.89	20.42	20.72	21.26	22.26
8H	4H	16.83	17.42	17.64	18.24	19.23	19.46	20.05	20.27	20.87	21.86
	6H	17.11	17.59	17.94	18.45	19.44	19.92	20.40	20.75	21.26	22.25
	8H	17.15	17.58	18.00	18.44	19.45	20.08	20.51	20.92	21.36	22.37
	12H	17.15	17.53	18.00	18.37	19.44	20.19	20.57	21.04	21.42	22.48
12H	4H	16.85	17.38	17.68	18.22	19.22	19.44	19.97	20.27	20.81	21.80
	6H	17.17	17.60	18.02	18.46	19.47	19.92	20.35	20.76	21.20	22.21
	8H	17.25	17.63	18.10	18.48	19.54	20.09	20.47	20.94	21.32	22.39