

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: P934067

Luminaire Tested: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934067
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-93050-1D-UNV-STD-W-8-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

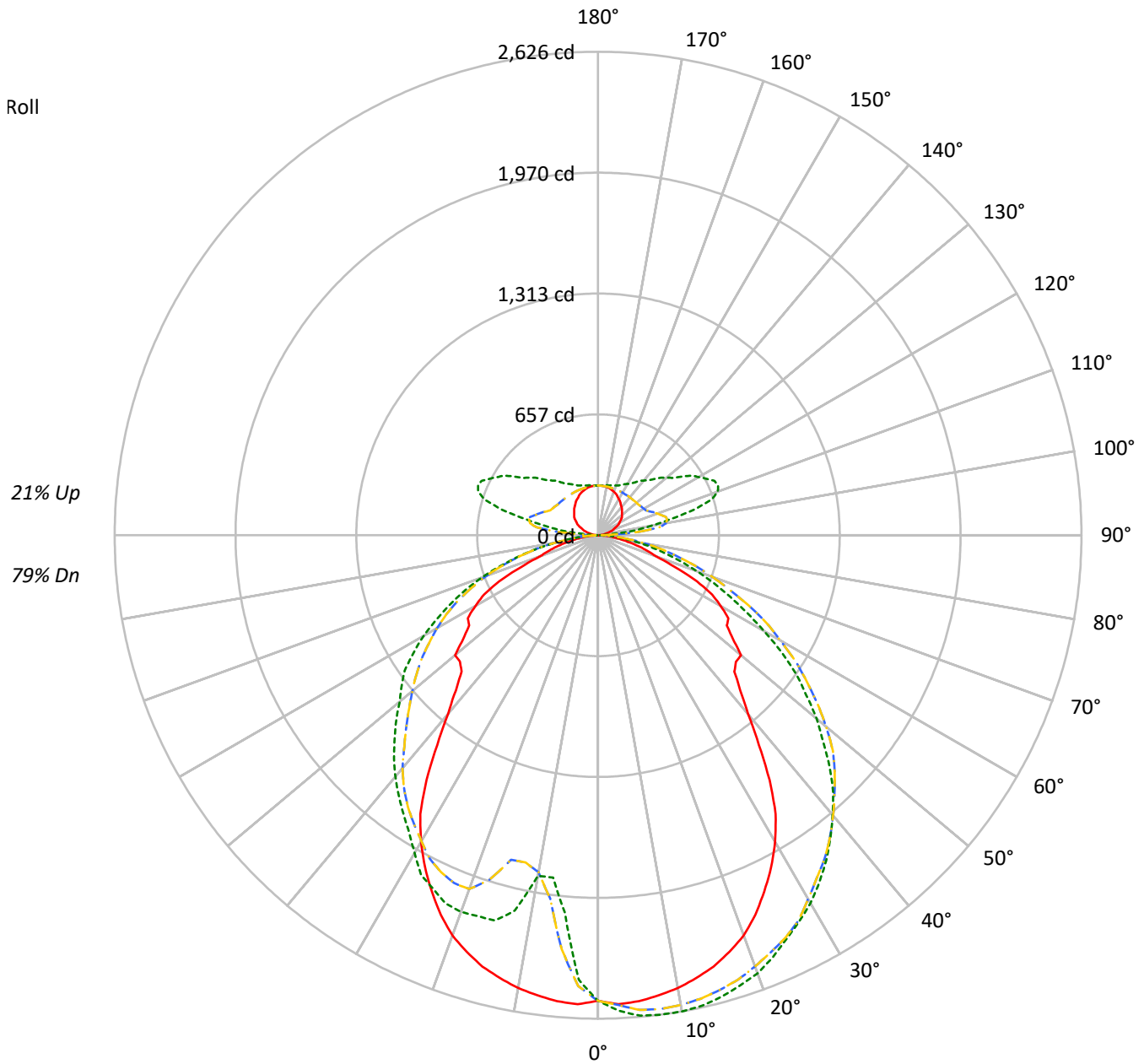
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8307.6 lumens
Efficiency: N/A
Efficacy: 107.1 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



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	114	114	114	114	109	109	109	109	99	99	99	91	91	91	83	83	83	83	83	83	79
1	104	100	96	92	100	96	92	89	88	85	82	80	78	76	73	72	70	73	72	70	67
2	95	87	81	76	91	84	78	73	77	72	68	70	67	64	65	62	59	65	62	59	56
3	87	77	69	63	83	74	67	61	68	62	57	62	58	54	57	54	50	57	54	50	47
4	79	68	60	53	76	65	58	52	60	54	49	56	50	46	51	47	43	51	47	43	41
5	73	61	52	46	70	58	51	45	54	47	42	50	44	40	46	41	38	46	41	38	35
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33	42	37	33	31
7	62	50	41	35	59	48	40	34	44	38	33	41	35	31	38	33	30	38	33	30	27
8	58	45	37	31	55	44	36	31	40	34	29	38	32	28	35	30	26	35	30	26	24
9	54	41	33	28	52	40	33	27	37	31	26	35	29	25	32	27	24	32	27	24	22
10	51	38	30	25	48	37	30	25	34	28	24	32	27	23	30	25	22	30	25	22	20

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	2.7
10°-20°	648.0	7.8
20°-30°	1001.6	12.1
30°-40°	1195.7	14.4
40°-50°	1202.7	14.5
50°-60°	1046.5	12.6
60°-70°	742.0	8.9
70°-80°	392.6	4.7
80°-90°	98.8	1.2
90°-100°	131.7	1.6
100°-110°	346.2	4.2
110°-120°	359.0	4.3
120°-130°	288.0	3.5
130°-140°	225.9	2.7
140°-150°	173.4	2.1
150°-160°	124.9	1.5
160°-170°	76.4	0.9
170°-180°	25.8	0.3
0°-30°	1877.8	22.6
0°-40°	3073.5	37.0
0°-60°	5322.8	64.1
0°-90°	6556.2	78.9
90°-120°	836.9	10.1
90°-150°	1524.3	18.3
90°-180°	1751.0	21.1
0°-180°	8307.6	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°	2	7	2	7	2	3
95°	17	80	17	80	17	19
105°	62	542	62	542	62	66
115°	111	698	111	698	111	109
125°	154	556	154	556	154	137
135°	184	431	184	431	184	142
145°	213	350	213	350	213	133
155°	241	301	241	301	241	111
165°	260	281	260	281	260	73
175°	270	272	270	272	270	26
180°	270	270	270	270	270	



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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°	1.8	3.3	4.7	5.1	8.0	11.9	13.8	12.2	9.1	6.9	6.9
92.5°	7.2	19.6	32.0	35.0	49.2	68.2	77.6	68.0	48.9	34.5	33.1
95°	17.4	39.9	62.5	68.2	121.0	191.5	226.8	202.4	153.6	116.9	112.8
97.5°	30.1	50.1	69.9	74.9	163.0	280.6	339.4	324.0	293.2	270.0	262.1
100°	39.9	57.9	75.9	80.5	178.3	308.8	374.0	375.2	377.5	379.2	369.8
102.5°	48.2	65.1	81.9	86.1	185.4	317.7	383.9	403.5	442.8	472.3	464.3
105°	62.4	76.7	91.0	94.5	190.6	318.7	382.8	426.9	515.0	581.1	576.8
107.5°	76.8	90.2	103.5	106.8	191.5	304.5	361.0	422.4	545.5	637.7	638.8
110°	86.7	98.7	110.7	113.7	190.1	291.9	342.9	411.6	549.1	652.2	656.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	96.3	107.7	119.1	122.0	190.2	281.0	326.4	396.7	537.4	642.9	649.9
115°	110.8	121.3	131.9	134.5	191.9	268.4	306.6	374.4	510.0	611.6	621.2
117.5°	125.1	134.7	144.3	146.7	195.5	260.5	293.0	354.2	476.5	568.3	578.9
120°	133.4	142.5	151.5	153.8	198.4	257.9	287.6	343.4	455.2	539.0	549.3
122.5°	141.6	150.7	159.9	162.1	202.6	256.4	283.4	333.7	434.4	509.9	520.1
125°	154.1	162.5	170.7	172.8	208.2	255.3	278.9	321.6	407.1	471.2	480.6
127.5°	164.3	172.6	181.0	183.1	213.8	254.6	275.1	311.8	385.2	440.3	448.2
130°	169.7	178.8	187.7	190.0	217.9	255.1	273.6	306.3	371.7	420.6	428.0
132.5°	175.3	184.4	193.3	195.6	221.2	255.3	272.4	301.6	360.1	404.0	410.6
135°	183.7	191.9	200.1	202.2	224.8	255.1	270.2	294.7	343.7	380.4	386.1
137.5°	192.2	200.3	208.5	210.5	230.3	256.6	269.8	290.6	331.9	363.0	367.6
140°	199.2	206.7	214.3	216.2	233.6	256.9	268.6	286.5	322.2	349.0	353.4
142.5°	204.7	211.6	218.6	220.3	236.4	257.9	268.6	284.3	315.7	339.3	343.0
145°	213.1	219.1	225.1	226.7	240.0	257.9	266.8	279.6	305.3	324.6	327.4
147.5°	221.4	227.3	233.2	234.6	245.3	259.6	266.8	276.9	297.1	312.2	314.5
150°	226.8	232.2	237.4	238.8	248.1	260.5	266.8	275.3	292.4	305.1	307.0
152.5°	232.4	236.4	240.5	241.5	249.9	261.1	266.8	274.0	288.6	299.5	301.0
155°	240.8	243.8	246.7	247.5	253.9	262.5	266.8	272.5	284.1	292.8	293.7
157.5°	246.9	249.8	252.7	253.4	257.9	263.8	266.8	271.3	280.2	287.0	287.7
160°	251.1	253.4	255.6	256.2	259.7	264.4	266.8	270.6	278.3	284.1	284.5
162.5°	255.3	257.0	258.6	259.1	261.6	265.0	266.8	270.0	276.5	281.4	281.8
165°	259.9	261.4	262.9	263.3	264.5	266.0	266.8	269.1	273.7	277.3	277.6
167.5°	264.0	264.8	265.5	265.7	266.7	267.9	268.6	270.1	273.2	275.4	275.6
170°	266.8	267.5	268.2	268.4	268.5	268.6	268.6	270.1	273.2	275.4	275.4
172.5°	268.2	268.4	268.6	268.6	268.6	268.6	268.6	269.7	272.2	274.0	273.8
175°	270.2	270.2	270.2	270.2	269.6	268.9	268.6	269.3	270.8	272.0	272.0
177.5°	270.2	270.2	270.2	270.2	269.7	269.2	268.9	269.6	270.7	271.6	271.5
180°	270.2	270.2	270.2	270.2	270.2	270.2	270.2	270.2	270.2	270.2	270.2



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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°	6.9	6.9	6.9	6.9	6.9	9.1	12.2	13.8	11.9	8.0	5.1
92.5°	27.6	22.1	27.6	33.1	34.5	48.9	68.0	77.6	68.2	49.2	35.0
95°	96.2	79.6	96.2	112.8	116.9	153.6	202.4	226.8	191.5	121.0	68.2
97.5°	230.5	198.9	230.5	262.1	270.0	293.2	324.0	339.4	280.6	163.0	74.9
100°	332.1	294.4	332.1	369.8	379.2	377.5	375.2	374.0	308.8	178.3	80.5
102.5°	432.0	399.8	432.0	464.3	472.3	442.8	403.5	383.9	317.7	185.4	86.1
105°	559.5	542.1	559.5	576.8	581.1	515.0	426.9	382.8	318.7	190.6	94.5
107.5°	642.9	647.1	642.9	638.8	637.7	545.5	422.4	361.0	304.5	191.5	106.8
110°	674.7	692.8	674.7	656.7	652.2	549.1	411.6	342.9	291.9	190.1	113.7



TEST NUMBER: P934067

CATALOG NUMBER: SQ4-FA-025U-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°	677.6	705.3	677.6	649.9	642.9	537.4	396.7	326.4	281.0	190.2	122.0
115°	659.7	698.1	659.7	621.2	611.6	510.0	374.4	306.6	268.4	191.9	134.5
117.5°	621.6	664.2	621.6	578.9	568.3	476.5	354.2	293.0	260.5	195.5	146.7
120°	590.8	632.3	590.8	549.3	539.0	455.2	343.4	287.6	257.9	198.4	153.8
122.5°	560.9	601.8	560.9	520.1	509.9	434.4	333.7	283.4	256.4	202.6	162.1
125°	518.3	555.9	518.3	480.6	471.2	407.1	321.6	278.9	255.3	208.2	172.8
127.5°	479.9	511.7	479.9	448.2	440.3	385.2	311.8	275.1	254.6	213.8	183.1
130°	457.3	486.6	457.3	428.0	420.6	371.7	306.3	273.6	255.1	217.9	190.0
132.5°	436.8	463.1	436.8	410.6	404.0	360.1	301.6	272.4	255.3	221.2	195.6
135°	408.7	431.3	408.7	386.1	380.4	343.7	294.7	270.2	255.1	224.8	202.2
137.5°	386.1	404.7	386.1	367.6	363.0	331.9	290.6	269.8	256.6	230.3	210.5
140°	370.7	388.0	370.7	353.4	349.0	322.2	286.5	268.6	256.9	233.6	216.2
142.5°	357.9	372.7	357.9	343.0	339.3	315.7	284.3	268.6	257.9	236.4	220.3
145°	338.7	349.9	338.7	327.4	324.6	305.3	279.6	266.8	257.9	240.0	226.7
147.5°	323.9	333.3	323.9	314.5	312.2	297.1	276.9	266.8	259.6	245.3	234.6
150°	314.6	322.2	314.6	307.0	305.1	292.4	275.3	266.8	260.5	248.1	238.8
152.5°	306.7	312.4	306.7	301.0	299.5	288.6	274.0	266.8	261.1	249.9	241.5
155°	297.5	301.3	297.5	293.7	292.8	284.1	272.5	266.8	262.5	253.9	247.5
157.5°	290.4	293.0	290.4	287.7	287.0	280.2	271.3	266.8	263.8	257.9	253.4
160°	286.0	287.6	286.0	284.5	284.1	278.3	270.6	266.8	264.4	259.7	256.2
162.5°	283.2	284.7	283.2	281.8	281.4	276.5	270.0	266.8	265.0	261.6	259.1
165°	279.2	280.7	279.2	277.6	277.3	273.7	269.1	266.8	266.0	264.5	263.3
167.5°	276.3	276.9	276.3	275.6	275.4	273.2	270.1	268.6	267.9	266.7	265.7
170°	275.4	275.4	275.4	275.4	275.4	273.2	270.1	268.6	268.6	268.5	268.4
172.5°	273.3	272.7	273.3	273.8	274.0	272.2	269.7	268.6	268.6	268.6	268.6
175°	272.0	272.0	272.0	272.0	272.0	270.8	269.3	268.6	268.9	269.6	270.2
177.5°	270.8	270.2	270.8	271.5	271.6	270.7	269.6	268.9	269.2	269.7	270.2
180°	270.2	270.2	270.2	270.2	270.2	270.2	270.2	270.2	270.2	270.2	270.2



TEST NUMBER: P934067

CATALOG NUMBER: SQ4-FA-025U-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°	4.7	3.3	1.8	3.3	4.7	5.1	8.0	11.9	13.8	12.2	9.1
92.5°	32.0	19.6	7.2	19.6	32.0	35.0	49.2	68.2	77.6	68.0	48.9
95°	62.5	39.9	17.4	39.9	62.5	68.2	121.0	191.5	226.8	202.4	153.6
97.5°	69.9	50.1	30.1	50.1	69.9	74.9	163.0	280.6	339.4	324.0	293.2
100°	75.9	57.9	39.9	57.9	75.9	80.5	178.3	308.8	374.0	375.2	377.5
102.5°	81.9	65.1	48.2	65.1	81.9	86.1	185.4	317.7	383.9	403.5	442.8
105°	91.0	76.7	62.4	76.7	91.0	94.5	190.6	318.7	382.8	426.9	515.0
107.5°	103.5	90.2	76.8	90.2	103.5	106.8	191.5	304.5	361.0	422.4	545.5
110°	110.7	98.7	86.7	98.7	110.7	113.7	190.1	291.9	342.9	411.6	549.1



TEST NUMBER: P934067

CATALOG NUMBER: SQ4-FA-025U-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°	119.1	107.7	96.3	107.7	119.1	122.0	190.2	281.0	326.4	396.7	537.4
115°	131.9	121.3	110.8	121.3	131.9	134.5	191.9	268.4	306.6	374.4	510.0
117.5°	144.3	134.7	125.1	134.7	144.3	146.7	195.5	260.5	293.0	354.2	476.5
120°	151.5	142.5	133.4	142.5	151.5	153.8	198.4	257.9	287.6	343.4	455.2
122.5°	159.9	150.7	141.6	150.7	159.9	162.1	202.6	256.4	283.4	333.7	434.4
125°	170.7	162.5	154.1	162.5	170.7	172.8	208.2	255.3	278.9	321.6	407.1
127.5°	181.0	172.6	164.3	172.6	181.0	183.1	213.8	254.6	275.1	311.8	385.2
130°	187.7	178.8	169.7	178.8	187.7	190.0	217.9	255.1	273.6	306.3	371.7
132.5°	193.3	184.4	175.3	184.4	193.3	195.6	221.2	255.3	272.4	301.6	360.1
135°	200.1	191.9	183.7	191.9	200.1	202.2	224.8	255.1	270.2	294.7	343.7
137.5°	208.5	200.3	192.2	200.3	208.5	210.5	230.3	256.6	269.8	290.6	331.9
140°	214.3	206.7	199.2	206.7	214.3	216.2	233.6	256.9	268.6	286.5	322.2
142.5°	218.6	211.6	204.7	211.6	218.6	220.3	236.4	257.9	268.6	284.3	315.7
145°	225.1	219.1	213.1	219.1	225.1	226.7	240.0	257.9	266.8	279.6	305.3
147.5°	233.2	227.3	221.4	227.3	233.2	234.6	245.3	259.6	266.8	276.9	297.1
150°	237.4	232.2	226.8	232.2	237.4	238.8	248.1	260.5	266.8	275.3	292.4
152.5°	240.5	236.4	232.4	236.4	240.5	241.5	249.9	261.1	266.8	274.0	288.6
155°	246.7	243.8	240.8	243.8	246.7	247.5	253.9	262.5	266.8	272.5	284.1
157.5°	252.7	249.8	246.9	249.8	252.7	253.4	257.9	263.8	266.8	271.3	280.2
160°	255.6	253.4	251.1	253.4	255.6	256.2	259.7	264.4	266.8	270.6	278.3
162.5°	258.6	257.0	255.3	257.0	258.6	259.1	261.6	265.0	266.8	270.0	276.5
165°	262.9	261.4	259.9	261.4	262.9	263.3	264.5	266.0	266.8	269.1	273.7
167.5°	265.5	264.8	264.0	264.8	265.5	265.7	266.7	267.9	268.6	270.1	273.2
170°	268.2	267.5	266.8	267.5	268.2	268.4	268.5	268.6	268.6	270.1	273.2
172.5°	268.6	268.4	268.2	268.4	268.6	268.6	268.6	268.6	268.6	269.7	272.2
175°	270.2	270.2	270.2	270.2	270.2	270.2	269.6	268.9	268.6	269.3	270.8
177.5°	270.2	270.2	270.2	270.2	270.2	270.2	269.7	269.2	268.9	269.6	270.7
180°	270.2	270.2	270.2	270.2	270.2	270.2	270.2	270.2	270.2	270.2	270.2



TEST NUMBER: P934067

CATALOG NUMBER: SQ4-FA-025U-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°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	9.1	12.2	13.8	11.9
92.5°	34.5	33.1	27.6	22.1	27.6	33.1	34.5	48.9	68.0	77.6	68.2
95°	116.9	112.8	96.2	79.6	96.2	112.8	116.9	153.6	202.4	226.8	191.5
97.5°	270.0	262.1	230.5	198.9	230.5	262.1	270.0	293.2	324.0	339.4	280.6
100°	379.2	369.8	332.1	294.4	332.1	369.8	379.2	377.5	375.2	374.0	308.8
102.5°	472.3	464.3	432.0	399.8	432.0	464.3	472.3	442.8	403.5	383.9	317.7
105°	581.1	576.8	559.5	542.1	559.5	576.8	581.1	515.0	426.9	382.8	318.7
107.5°	637.7	638.8	642.9	647.1	642.9	638.8	637.7	545.5	422.4	361.0	304.5
110°	652.2	656.7	674.7	692.8	674.7	656.7	652.2	549.1	411.6	342.9	291.9



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	642.9	649.9	677.6	705.3	677.6	649.9	642.9	537.4	396.7	326.4	281.0
115°	611.6	621.2	659.7	698.1	659.7	621.2	611.6	510.0	374.4	306.6	268.4
117.5°	568.3	578.9	621.6	664.2	621.6	578.9	568.3	476.5	354.2	293.0	260.5
120°	539.0	549.3	590.8	632.3	590.8	549.3	539.0	455.2	343.4	287.6	257.9
122.5°	509.9	520.1	560.9	601.8	560.9	520.1	509.9	434.4	333.7	283.4	256.4
125°	471.2	480.6	518.3	555.9	518.3	480.6	471.2	407.1	321.6	278.9	255.3
127.5°	440.3	448.2	479.9	511.7	479.9	448.2	440.3	385.2	311.8	275.1	254.6
130°	420.6	428.0	457.3	486.6	457.3	428.0	420.6	371.7	306.3	273.6	255.1
132.5°	404.0	410.6	436.8	463.1	436.8	410.6	404.0	360.1	301.6	272.4	255.3
135°	380.4	386.1	408.7	431.3	408.7	386.1	380.4	343.7	294.7	270.2	255.1
137.5°	363.0	367.6	386.1	404.7	386.1	367.6	363.0	331.9	290.6	269.8	256.6
140°	349.0	353.4	370.7	388.0	370.7	353.4	349.0	322.2	286.5	268.6	256.9
142.5°	339.3	343.0	357.9	372.7	357.9	343.0	339.3	315.7	284.3	268.6	257.9
145°	324.6	327.4	338.7	349.9	338.7	327.4	324.6	305.3	279.6	266.8	257.9
147.5°	312.2	314.5	323.9	333.3	323.9	314.5	312.2	297.1	276.9	266.8	259.6
150°	305.1	307.0	314.6	322.2	314.6	307.0	305.1	292.4	275.3	266.8	260.5
152.5°	299.5	301.0	306.7	312.4	306.7	301.0	299.5	288.6	274.0	266.8	261.1
155°	292.8	293.7	297.5	301.3	297.5	293.7	292.8	284.1	272.5	266.8	262.5
157.5°	287.0	287.7	290.4	293.0	290.4	287.7	287.0	280.2	271.3	266.8	263.8
160°	284.1	284.5	286.0	287.6	286.0	284.5	284.1	278.3	270.6	266.8	264.4
162.5°	281.4	281.8	283.2	284.7	283.2	281.8	281.4	276.5	270.0	266.8	265.0
165°	277.3	277.6	279.2	280.7	279.2	277.6	277.3	273.7	269.1	266.8	266.0
167.5°	275.4	275.6	276.3	276.9	276.3	275.6	275.4	273.2	270.1	268.6	267.9
170°	275.4	275.4	275.4	275.4	275.4	275.4	275.4	273.2	270.1	268.6	268.6
172.5°	274.0	273.8	273.3	272.7	273.3	273.8	274.0	272.2	269.7	268.6	268.6
175°	272.0	272.0	272.0	272.0	272.0	272.0	272.0	270.8	269.3	268.6	268.9
177.5°	271.6	271.5	270.8	270.2	270.8	271.5	271.6	270.7	269.6	268.9	269.2
180°	270.2	270.2	270.2	270.2	270.2	270.2	270.2	270.2	270.2	270.2	270.2



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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°	8.0	5.1	4.7	3.3	1.8
92.5°	49.2	35.0	32.0	19.6	7.2
95°	121.0	68.2	62.5	39.9	17.4
97.5°	163.0	74.9	69.9	50.1	30.1
100°	178.3	80.5	75.9	57.9	39.9
102.5°	185.4	86.1	81.9	65.1	48.2
105°	190.6	94.5	91.0	76.7	62.4
107.5°	191.5	106.8	103.5	90.2	76.8
110°	190.1	113.7	110.7	98.7	86.7



TEST NUMBER: P934067

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	190.2	122.0	119.1	107.7	96.3
115°	191.9	134.5	131.9	121.3	110.8
117.5°	195.5	146.7	144.3	134.7	125.1
120°	198.4	153.8	151.5	142.5	133.4
122.5°	202.6	162.1	159.9	150.7	141.6
125°	208.2	172.8	170.7	162.5	154.1
127.5°	213.8	183.1	181.0	172.6	164.3
130°	217.9	190.0	187.7	178.8	169.7
132.5°	221.2	195.6	193.3	184.4	175.3
135°	224.8	202.2	200.1	191.9	183.7
137.5°	230.3	210.5	208.5	200.3	192.2
140°	233.6	216.2	214.3	206.7	199.2
142.5°	236.4	220.3	218.6	211.6	204.7
145°	240.0	226.7	225.1	219.1	213.1
147.5°	245.3	234.6	233.2	227.3	221.4
150°	248.1	238.8	237.4	232.2	226.8
152.5°	249.9	241.5	240.5	236.4	232.4
155°	253.9	247.5	246.7	243.8	240.8
157.5°	257.9	253.4	252.7	249.8	246.9
160°	259.7	256.2	255.6	253.4	251.1
162.5°	261.6	259.1	258.6	257.0	255.3
165°	264.5	263.3	262.9	261.4	259.9
167.5°	266.7	265.7	265.5	264.8	264.0
170°	268.5	268.4	268.2	267.5	266.8
172.5°	268.6	268.6	268.6	268.4	268.2
175°	269.6	270.2	270.2	270.2	270.2
177.5°	269.7	270.2	270.2	270.2	270.2
180°	270.2	270.2	270.2	270.2	270.2



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CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-8-4000K

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	15.70	16.90	16.36	17.57	18.36	18.53	19.73	19.19	20.41	21.20
	3H	16.20	17.28	16.87	17.96	18.79	19.91	20.98	20.58	21.67	22.49
	4H	16.40	17.42	17.10	18.12	18.95	20.37	21.38	21.06	22.08	22.92
	6H	16.54	17.48	17.25	18.19	19.04	20.67	21.61	21.38	22.32	23.17
	8H	16.55	17.44	17.27	18.17	19.03	20.76	21.65	21.48	22.38	23.23
	12H	16.53	17.39	17.26	18.11	18.99	20.81	21.66	21.53	22.38	23.26
4H	2H	16.77	17.79	17.47	18.49	19.32	18.98	20.00	19.68	20.70	21.53
	3H	17.83	18.68	18.54	19.41	20.27	20.52	21.37	21.23	22.11	22.96
	4H	18.12	18.89	18.85	19.63	20.51	21.07	21.83	21.79	22.57	23.46
	6H	18.26	18.93	19.01	19.69	20.58	21.45	22.12	22.20	22.88	23.77
	8H	18.28	18.90	19.03	19.66	20.56	21.57	22.19	22.32	22.95	23.85
	12H	18.26	18.82	19.03	19.60	20.51	21.64	22.20	22.41	22.99	23.89
8H	4H	18.60	19.22	19.35	19.98	20.89	21.22	21.84	21.97	22.60	23.50
	6H	18.88	19.39	19.66	20.19	21.10	21.67	22.18	22.45	22.99	23.89
	8H	18.92	19.38	19.71	20.18	21.11	21.82	22.28	22.62	23.09	24.01
	12H	18.92	19.33	19.72	20.12	21.10	21.94	22.35	22.73	23.14	24.12
12H	4H	18.62	19.18	19.39	19.97	20.88	21.20	21.76	21.97	22.54	23.45
	6H	18.94	19.40	19.73	20.20	21.12	21.67	22.13	22.46	22.93	23.85
	8H	19.02	19.43	19.82	20.22	21.20	21.85	22.25	22.64	23.04	24.03