

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: P934054

Luminaire Tested: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934054
REPORT IS A COMBINATION OF REPORTS P933681 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-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

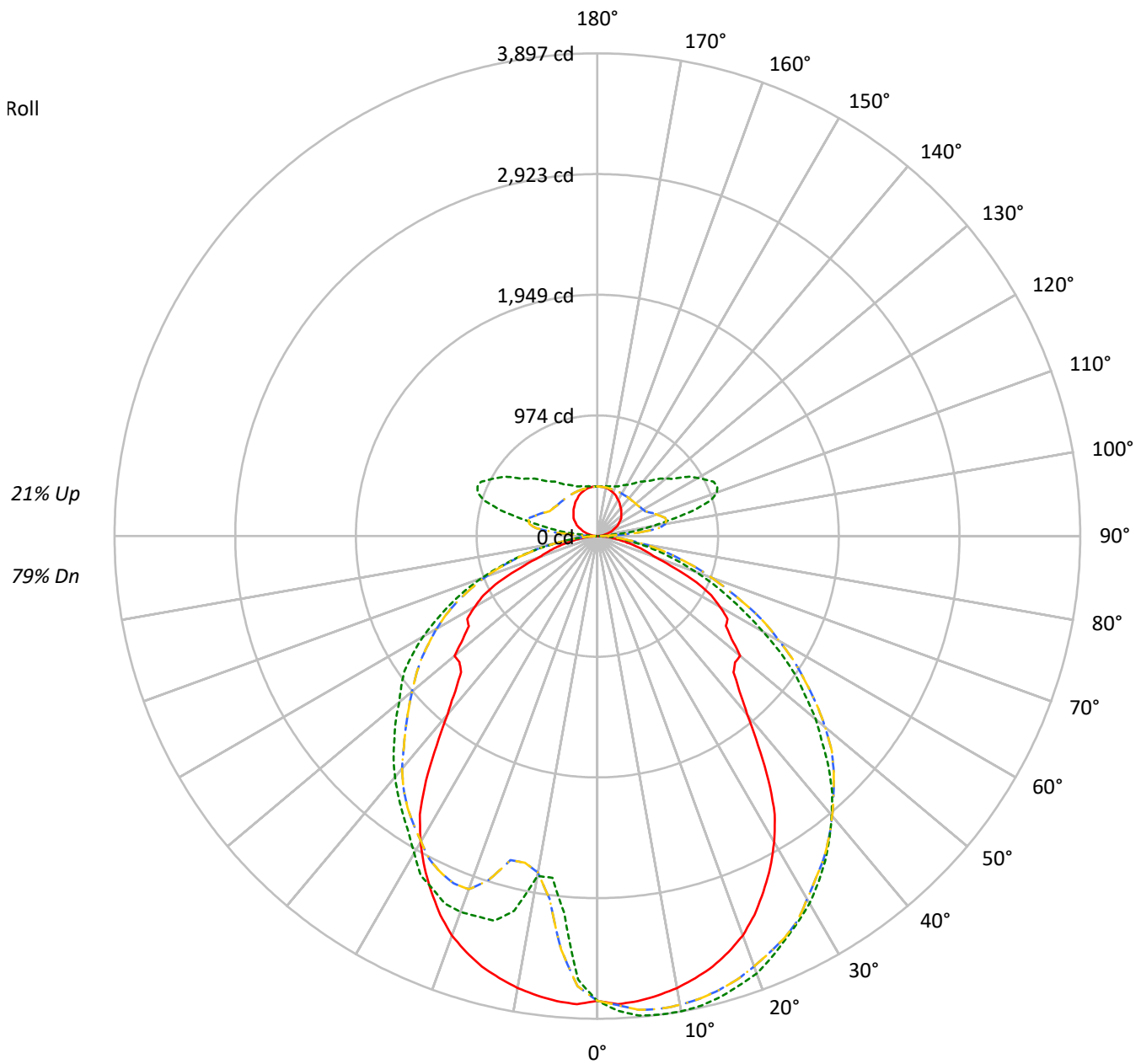
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12325.7 lumens
Efficiency: N/A
Efficacy: 105.9 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): 116.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



— 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	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°	11602	11602	11602	11602
5°	11693	11712	11693	9209
10°	11619	11537	11619	8248
15°	11497	11287	11497	9425
20°	11261	10991	11261	9444
25°	10773	10559	10773	9244
30°	10142	10200	10142	8805
35°	9046	9747	9046	8322
40°	7542	9213	7542	7957
45°	6743	8588	6743	7537
50°	7169	7843	7169	7117
55°	6752	7040	6752	6873
60°	6968	5979	6968	6295
65°	6328	4942	6328	5525
70°	4392	3938	4392	4631
75°	3867	2912	3867	3487
80°	3138	1925	3138	2095
85°	1840	1019	1840	867

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10328 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.6	2.7
10°-20°	961.4	7.8
20°-30°	1486.1	12.1
30°-40°	1774.1	14.4
40°-50°	1784.5	14.5
50°-60°	1552.7	12.6
60°-70°	1100.9	8.9
70°-80°	582.4	4.7
80°-90°	146.6	1.2
90°-100°	195.4	1.6
100°-110°	513.7	4.2
110°-120°	532.6	4.3
120°-130°	427.2	3.5
130°-140°	335.2	2.7
140°-150°	257.3	2.1
150°-160°	185.3	1.5
160°-170°	113.4	0.9
170°-180°	38.3	0.3
0°-30°	2786.1	22.6
0°-40°	4560.2	37.0
0°-60°	7897.4	64.1
0°-90°	9727.3	78.9
90°-120°	1241.7	10.1
90°-150°	2261.5	18.3
90°-180°	2598.0	21.1
0°-180°	12325.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3751	3751	3751	3751	3751	
5°	3769	3886	3769	3056	3769	358
15°	3598	3850	3598	3215	3598	1012
25°	3169	3591	3169	3144	3169	1455
35°	2410	3204	2410	2736	2410	1491
45°	1554	2640	1554	2317	1554	1245
55°	1267	1948	1267	1902	1267	1164
65°	880	1175	880	1313	880	841
75°	334	557	334	667	334	351
85°	57	142	57	121	57	77
90°	3	10	3	10	3	5
95°	26	118	26	118	26	29
105°	93	804	93	804	93	98
115°	164	1036	164	1036	164	162
125°	229	825	229	825	229	203
135°	272	640	272	640	272	211
145°	316	519	316	519	316	198
155°	357	447	357	447	357	164
165°	386	416	386	416	386	109
175°	401	404	401	404	401	38
180°	401	401	401	401	401	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0
2.5°	3783.0	3783.0	3804.3	3811.3	3811.3	3800.7	3790.0	3800.7	3832.7	3843.3	3839.7
5°	3768.8	3797.2	3836.2	3843.3	3850.4	3846.9	3839.7	3846.9	3882.3	3889.4	3893.0
7.5°	3740.3	3793.6	3843.3	3854.0	3864.6	3854.0	3850.4	3857.5	3893.0	3900.1	3900.1
10°	3704.9	3779.5	3836.2	3843.3	3854.0	3843.3	3843.3	3857.5	3893.0	3900.1	3903.6
12.5°	3655.2	3758.2	3811.3	3818.5	3832.7	3829.1	3825.6	3839.7	3875.3	3882.3	3882.3
15°	3598.4	3719.1	3768.8	3775.9	3800.7	3793.6	3793.6	3807.9	3846.9	3857.5	3854.0
17.5°	3520.4	3669.4	3726.2	3736.9	3754.6	3751.0	3754.6	3768.8	3804.3	3811.3	3814.9
20°	3431.6	3602.0	3669.4	3680.1	3697.8	3697.8	3697.8	3715.5	3751.0	3765.2	3765.2
22.5°	3311.0	3531.0	3602.0	3609.1	3630.4	3630.4	3637.5	3662.3	3694.2	3697.8	3697.8
25°	3169.0	3452.9	3513.3	3534.6	3555.8	3566.5	3577.1	3591.4	3602.0	3598.4	3602.0
27.5°	3020.0	3353.6	3431.6	3445.9	3474.3	3484.9	3499.1	3502.6	3506.1	3516.8	3509.7
30°	2853.2	3215.2	3332.3	3346.5	3392.6	3399.7	3385.5	3392.6	3410.3	3417.5	3424.6
32.5°	2665.1	3009.3	3229.4	3261.3	3303.9	3282.6	3279.1	3289.7	3318.1	3318.1	3325.2
35°	2409.6	2849.7	3133.6	3162.0	3193.8	3169.0	3183.2	3186.8	3204.5	3215.2	3211.7
37.5°	2129.2	2711.3	3034.2	3055.5	3080.3	3048.4	3069.7	3080.3	3094.6	3087.4	3087.4
40°	1880.9	2494.8	2917.1	2931.3	2952.6	2927.8	2949.0	2956.1	2963.2	2956.1	2952.6
42.5°	1696.3	2257.0	2792.8	2810.7	2796.4	2814.1	2821.2	2835.5	2824.8	2810.7	2810.7
45°	1554.4	2193.2	2658.0	2679.3	2658.0	2686.4	2697.0	2697.0	2665.1	2658.0	2654.5
47.5°	1508.2	2065.4	2523.2	2523.2	2512.5	2548.0	2565.8	2540.9	2508.9	2498.4	2498.4
50°	1504.7	1923.4	2338.6	2324.4	2374.1	2416.7	2399.0	2374.1	2349.3	2310.3	2310.3
52.5°	1366.2	1749.5	2100.8	2154.1	2232.2	2257.0	2228.6	2203.8	2161.2	2143.5	2129.2
55°	1266.9	1568.6	1884.4	1990.8	2072.5	2104.4	2051.2	2026.4	1962.4	1951.8	1944.7
57.5°	1245.6	1305.9	1685.7	1820.5	1919.9	1916.3	1884.4	1838.3	1785.0	1774.4	1770.8
60°	1142.7	943.9	1472.7	1632.4	1735.4	1724.7	1696.3	1653.7	1604.0	1597.0	1589.8
62.5°	1036.2	684.9	1231.4	1412.4	1557.9	1554.4	1529.6	1465.6	1430.2	1412.4	1398.2
65°	880.1	574.9	876.5	1174.6	1384.0	1391.1	1337.9	1291.8	1252.7	1231.4	1227.8
67.5°	670.7	468.4	592.6	979.5	1217.3	1210.1	1142.7	1121.4	1071.7	1061.0	1039.8
70°	496.8	312.3	411.7	794.9	1054.0	1036.2	983.0	958.2	912.1	887.2	873.0
72.5°	411.7	251.9	301.6	617.5	887.2	865.9	819.7	791.4	752.3	731.0	716.9
75°	333.6	266.2	230.6	457.8	720.4	706.2	663.6	635.2	603.3	574.9	578.5
77.5°	244.9	248.4	184.5	337.2	571.4	550.1	525.2	489.7	475.5	447.1	447.1
80°	184.5	195.2	138.4	230.6	411.7	411.7	390.4	365.6	340.7	326.5	326.5
82.5°	124.2	124.2	102.9	145.5	280.3	269.7	255.5	248.4	234.2	227.1	227.1
85°	56.8	71.0	63.8	88.7	152.6	159.7	159.7	152.6	149.1	141.9	145.5
87.5°	17.7	32.0	39.0	49.7	78.1	81.7	85.1	85.1	85.1	88.7	88.7
90°	2.7	4.8	7.0	7.5	11.8	17.5	20.4	18.2	13.6	10.2	10.2
92.5°	10.7	29.0	47.4	51.9	73.0	101.1	115.1	100.9	72.4	51.1	49.1
95°	25.8	59.3	92.8	101.2	179.6	284.3	336.5	300.3	227.9	173.5	167.3
97.5°	44.7	74.2	103.8	111.1	241.9	416.4	503.6	480.7	434.9	400.6	388.8
100°	59.2	85.9	112.7	119.4	264.7	458.2	555.0	556.7	560.0	562.5	548.6
102.5°	71.5	96.5	121.5	127.8	275.0	471.4	569.5	598.7	657.0	700.8	688.8
105°	92.6	113.7	134.8	140.1	282.7	472.8	567.9	633.3	764.1	862.2	855.7
107.5°	114.1	133.8	153.5	158.5	284.2	451.8	535.6	626.8	809.3	946.2	947.7
110°	128.6	146.4	164.2	168.7	282.0	433.2	508.7	610.7	814.6	967.7	974.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	142.9	159.8	176.8	181.0	282.1	416.9	484.3	588.7	797.4	954.0	964.3
115°	164.4	180.0	195.7	199.7	284.7	398.1	454.9	555.5	756.5	907.4	921.6
117.5°	185.6	199.8	214.1	217.7	290.0	386.5	434.8	525.5	707.0	843.1	859.0
120°	198.0	211.4	224.8	228.1	294.3	382.5	426.6	509.5	675.4	799.8	815.2
122.5°	210.1	223.6	237.1	240.5	300.5	380.4	420.4	495.1	644.4	756.4	771.6
125°	228.7	241.0	253.4	256.4	308.9	378.8	413.7	477.1	604.0	699.1	713.1
127.5°	243.7	256.1	268.6	271.7	317.2	377.8	408.1	462.5	571.5	653.1	664.9
130°	251.8	265.2	278.6	281.9	323.3	378.4	405.9	454.5	551.4	624.1	635.0
132.5°	260.2	273.5	286.9	290.3	328.2	378.8	404.1	447.5	534.3	599.4	609.2
135°	272.5	284.7	296.9	299.9	333.6	378.4	400.8	437.2	509.9	564.4	572.8
137.5°	285.2	297.2	309.2	312.3	341.7	380.8	400.3	431.0	492.4	538.5	545.4
140°	295.6	306.7	317.9	320.7	346.6	381.1	398.4	424.9	478.0	517.8	524.3
142.5°	303.7	314.0	324.3	326.9	350.7	382.5	398.4	421.7	468.3	503.3	508.9
145°	316.1	325.1	334.0	336.3	356.1	382.5	395.7	414.8	452.9	481.5	485.7
147.5°	328.5	337.2	345.9	348.1	363.9	385.2	395.7	410.8	440.8	463.2	466.7
150°	336.5	344.4	352.3	354.3	368.1	386.5	395.7	408.4	433.8	452.8	455.5
152.5°	344.9	350.9	356.8	358.3	370.7	387.4	395.7	406.6	428.2	444.4	446.6
155°	357.2	361.6	366.1	367.2	376.7	389.4	395.7	404.3	421.6	434.5	435.9
157.5°	366.4	370.7	375.0	376.1	382.7	391.3	395.7	402.4	415.8	425.8	426.8
160°	372.6	375.9	379.3	380.1	385.3	392.2	395.7	401.5	412.9	421.5	422.1
162.5°	378.8	381.3	383.8	384.4	388.2	393.2	395.7	400.6	410.2	417.5	418.0
165°	385.5	387.8	390.1	390.6	392.3	394.6	395.7	399.2	406.1	411.3	411.8
167.5°	391.7	392.8	393.8	394.1	395.5	397.4	398.4	400.7	405.2	408.6	408.9
170°	395.7	396.8	397.9	398.1	398.2	398.3	398.4	400.7	405.2	408.6	408.6
172.5°	397.9	398.1	398.3	398.4	398.4	398.4	398.4	400.2	403.8	406.5	406.3
175°	400.8	400.8	400.8	400.8	400.0	399.0	398.4	399.6	401.8	403.5	403.5
177.5°	400.8	400.8	400.8	400.8	400.2	399.4	399.0	399.8	401.6	403.0	402.7
180°	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0
2.5°	3846.9	3836.2	3846.9	3839.7	3843.3	3832.7	3800.7	3790.0	3800.7	3811.3	3811.3
5°	3893.0	3885.9	3893.0	3893.0	3889.4	3882.3	3846.9	3839.7	3846.9	3850.4	3843.3
7.5°	3907.1	3896.6	3907.1	3900.1	3900.1	3893.0	3857.5	3850.4	3854.0	3864.6	3854.0
10°	3907.1	3896.6	3907.1	3903.6	3900.1	3893.0	3857.5	3843.3	3843.3	3854.0	3843.3
12.5°	3889.4	3882.3	3889.4	3882.3	3882.3	3875.3	3839.7	3825.6	3829.1	3832.7	3818.5
15°	3861.0	3850.4	3861.0	3854.0	3857.5	3846.9	3807.9	3793.6	3793.6	3800.7	3775.9
17.5°	3818.5	3804.3	3818.5	3814.9	3811.3	3804.3	3768.8	3754.6	3751.0	3754.6	3736.9
20°	3768.8	3758.2	3768.8	3765.2	3765.2	3751.0	3715.5	3697.8	3697.8	3697.8	3680.1
22.5°	3690.7	3680.1	3690.7	3697.8	3697.8	3694.2	3662.3	3637.5	3630.4	3630.4	3609.1
25°	3602.0	3591.4	3602.0	3602.0	3598.4	3602.0	3591.4	3577.1	3566.5	3555.8	3534.6
27.5°	3516.8	3509.7	3516.8	3509.7	3516.8	3506.1	3502.6	3499.1	3484.9	3474.3	3445.9
30°	3431.6	3424.6	3431.6	3424.6	3417.5	3410.3	3392.6	3385.5	3399.7	3392.6	3346.5
32.5°	3325.2	3318.1	3325.2	3325.2	3318.1	3318.1	3289.7	3279.1	3282.6	3303.9	3261.3
35°	3215.2	3204.5	3215.2	3211.7	3215.2	3204.5	3186.8	3183.2	3169.0	3193.8	3162.0
37.5°	3087.4	3076.7	3087.4	3087.4	3087.4	3094.6	3080.3	3069.7	3048.4	3080.3	3055.5
40°	2956.1	2941.9	2956.1	2952.6	2956.1	2963.2	2956.1	2949.0	2927.8	2952.6	2931.3
42.5°	2807.1	2803.5	2807.1	2810.7	2810.7	2824.8	2835.5	2821.2	2814.1	2796.4	2810.7
45°	2647.3	2640.3	2647.3	2654.5	2658.0	2665.1	2697.0	2697.0	2686.4	2658.0	2679.3
47.5°	2477.1	2459.3	2477.1	2498.4	2498.4	2508.9	2540.9	2565.8	2548.0	2512.5	2523.2
50°	2296.0	2299.6	2296.0	2310.3	2310.3	2349.3	2374.1	2399.0	2416.7	2374.1	2324.4
52.5°	2118.6	2115.1	2118.6	2129.2	2143.5	2161.2	2203.8	2228.6	2257.0	2232.2	2154.1
55°	1941.1	1948.3	1941.1	1944.7	1951.8	1962.4	2026.4	2051.2	2104.4	2072.5	1990.8
57.5°	1763.8	1753.1	1763.8	1770.8	1774.4	1785.0	1838.3	1884.4	1916.3	1919.9	1820.5
60°	1557.9	1543.7	1557.9	1589.8	1597.0	1604.0	1653.7	1696.3	1724.7	1735.4	1632.4
62.5°	1376.9	1352.1	1376.9	1398.2	1412.4	1430.2	1465.6	1529.6	1554.4	1557.9	1412.4
65°	1185.3	1174.6	1185.3	1227.8	1231.4	1252.7	1291.8	1337.9	1391.1	1384.0	1174.6
67.5°	1011.4	1011.4	1011.4	1039.8	1061.0	1071.7	1121.4	1142.7	1210.1	1217.3	979.5
70°	851.7	848.1	851.7	873.0	887.2	912.1	958.2	983.0	1036.2	1054.0	794.9
72.5°	699.1	695.6	699.1	716.9	731.0	752.3	791.4	819.7	865.9	887.2	617.5
75°	564.2	557.2	564.2	578.5	574.9	603.3	635.2	663.6	706.2	720.4	457.8
77.5°	433.0	433.0	433.0	447.1	447.1	475.5	489.7	525.2	550.1	571.4	337.2
80°	322.9	319.4	322.9	326.5	326.5	340.7	365.6	390.4	411.7	411.7	230.6
82.5°	227.1	220.0	227.1	227.1	227.1	234.2	248.4	255.5	269.7	280.3	145.5
85°	141.9	141.9	141.9	145.5	141.9	149.1	152.6	159.7	159.7	152.6	88.7
87.5°	92.3	88.7	92.3	88.7	88.7	85.1	85.1	85.1	81.7	78.1	49.7
90°	10.2	10.2	10.2	10.2	10.2	13.6	18.2	20.4	17.5	11.8	7.5
92.5°	41.0	32.9	41.0	49.1	51.1	72.4	100.9	115.1	101.1	73.0	51.9
95°	142.7	118.1	142.7	167.3	173.5	227.9	300.3	336.5	284.3	179.6	101.2
97.5°	342.0	295.1	342.0	388.8	400.6	434.9	480.7	503.6	416.4	241.9	111.1
100°	492.8	436.9	492.8	548.6	562.5	560.0	556.7	555.0	458.2	264.7	119.4
102.5°	641.0	593.1	641.0	688.8	700.8	657.0	598.7	569.5	471.4	275.0	127.8
105°	830.0	804.3	830.0	855.7	862.2	764.1	633.3	567.9	472.8	282.7	140.1
107.5°	954.0	960.1	954.0	947.7	946.2	809.3	626.8	535.6	451.8	284.2	158.5
110°	1001.1	1027.9	1001.1	974.4	967.7	814.6	610.7	508.7	433.2	282.0	168.7



TEST NUMBER: P934054

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1005.3	1046.4	1005.3	964.3	954.0	797.4	588.7	484.3	416.9	282.1	181.0
115°	978.7	1035.7	978.7	921.6	907.4	756.5	555.5	454.9	398.1	284.7	199.7
117.5°	922.2	985.4	922.2	859.0	843.1	707.0	525.5	434.8	386.5	290.0	217.7
120°	876.6	938.0	876.6	815.2	799.8	675.4	509.5	426.6	382.5	294.3	228.1
122.5°	832.3	892.9	832.3	771.6	756.4	644.4	495.1	420.4	380.4	300.5	240.5
125°	768.9	824.8	768.9	713.1	699.1	604.0	477.1	413.7	378.8	308.9	256.4
127.5°	712.0	759.1	712.0	664.9	653.1	571.5	462.5	408.1	377.8	317.2	271.7
130°	678.6	722.1	678.6	635.0	624.1	551.4	454.5	405.9	378.4	323.3	281.9
132.5°	648.1	687.1	648.1	609.2	599.4	534.3	447.5	404.1	378.8	328.2	290.3
135°	606.4	640.0	606.4	572.8	564.4	509.9	437.2	400.8	378.4	333.6	299.9
137.5°	572.9	600.5	572.9	545.4	538.5	492.4	431.0	400.3	380.8	341.7	312.3
140°	550.0	575.7	550.0	524.3	517.8	478.0	424.9	398.4	381.1	346.6	320.7
142.5°	531.0	553.1	531.0	508.9	503.3	468.3	421.7	398.4	382.5	350.7	326.9
145°	502.4	519.2	502.4	485.7	481.5	452.9	414.8	395.7	382.5	356.1	336.3
147.5°	480.6	494.5	480.6	466.7	463.2	440.8	410.8	395.7	385.2	363.9	348.1
150°	466.8	478.0	466.8	455.5	452.8	433.8	408.4	395.7	386.5	368.1	354.3
152.5°	455.0	463.5	455.0	446.6	444.4	428.2	406.6	395.7	387.4	370.7	358.3
155°	441.5	447.1	441.5	435.9	434.5	421.6	404.3	395.7	389.4	376.7	367.2
157.5°	430.8	434.8	430.8	426.8	425.8	415.8	402.4	395.7	391.3	382.7	376.1
160°	424.4	426.6	424.4	422.1	421.5	412.9	401.5	395.7	392.2	385.3	380.1
162.5°	420.2	422.3	420.2	418.0	417.5	410.2	400.6	395.7	393.2	388.2	384.4
165°	414.2	416.4	414.2	411.8	411.3	406.1	399.2	395.7	394.6	392.3	390.6
167.5°	409.8	410.8	409.8	408.9	408.6	405.2	400.7	398.4	397.4	395.5	394.1
170°	408.6	408.6	408.6	408.6	408.6	405.2	400.7	398.4	398.3	398.2	398.1
172.5°	405.4	404.6	405.4	406.3	406.5	403.8	400.2	398.4	398.4	398.4	398.4
175°	403.5	403.5	403.5	403.5	403.5	401.8	399.6	398.4	399.0	400.0	400.8
177.5°	401.8	400.8	401.8	402.7	403.0	401.6	399.8	399.0	399.4	400.2	400.8
180°	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8



TEST NUMBER: P934054

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0
2.5°	3804.3	3783.0	3783.0	3747.5	3733.3	3722.6	3704.9	3651.7	3637.5	3623.2	3644.5
5°	3836.2	3797.2	3768.8	3704.9	3651.7	3630.4	3563.0	3435.2	3350.0	3286.2	3250.7
7.5°	3843.3	3793.6	3740.3	3641.1	3513.3	3456.5	3250.7	3016.5	2952.6	2895.8	2860.3
10°	3836.2	3779.5	3704.9	3555.8	3254.2	3154.8	2949.0	2796.4	2757.4	2746.7	2757.4
12.5°	3811.3	3758.2	3655.2	3406.8	2984.5	2917.1	2796.4	2707.7	2700.6	2718.3	2814.1
15°	3768.8	3719.1	3598.4	3208.1	2835.5	2785.8	2700.6	2668.7	2707.7	2831.9	3119.4
17.5°	3726.2	3669.4	3520.4	3012.9	2721.9	2686.4	2626.0	2690.0	2909.9	3076.7	3172.6
20°	3669.4	3602.0	3431.6	2870.9	2640.3	2608.3	2579.9	2867.4	3034.2	3094.6	3147.7
22.5°	3602.0	3531.0	3311.0	2771.6	2555.1	2530.2	2548.0	2966.8	3034.2	3076.7	3122.9
25°	3513.3	3452.9	3169.0	2693.5	2487.7	2459.3	2526.7	2956.1	2995.2	3005.8	3098.0
27.5°	3431.6	3353.6	3020.0	2622.5	2406.1	2395.4	2544.5	2909.9	2938.4	2949.0	3048.4
30°	3332.3	3215.2	2853.2	2548.0	2320.9	2317.3	2548.0	2853.2	2846.1	2874.5	2973.9
32.5°	3229.4	3009.3	2665.1	2455.8	2239.3	2235.7	2523.2	2768.0	2761.0	2800.0	2874.5
35°	3133.6	2849.7	2409.6	2349.3	2136.4	2139.9	2462.8	2668.7	2672.2	2707.7	2753.8
37.5°	3034.2	2711.3	2129.2	2232.2	2037.0	2037.0	2381.2	2576.4	2569.3	2579.9	2643.9
40°	2917.1	2494.8	1880.9	2079.5	1944.7	1934.1	2281.9	2477.1	2452.2	2448.7	2537.4
42.5°	2792.8	2257.0	1696.3	1877.3	1838.3	1824.0	2161.2	2356.4	2310.3	2320.9	2434.4
45°	2658.0	2193.2	1554.4	1586.3	1728.2	1717.6	2029.9	2218.0	2186.0	2214.5	2331.6
47.5°	2523.2	2065.4	1508.2	1316.6	1611.1	1607.6	1884.4	2083.1	2065.4	2093.8	2218.0
50°	2338.6	1923.4	1504.7	1128.5	1479.9	1494.0	1710.5	1951.8	1951.8	1976.7	2107.9
52.5°	2100.8	1749.5	1366.2	1022.0	1327.2	1369.8	1557.9	1838.3	1845.3	1870.2	1987.3
55°	1884.4	1568.6	1266.9	940.4	1146.3	1238.5	1408.9	1721.1	1735.4	1760.2	1866.6
57.5°	1685.7	1305.9	1245.6	844.6	979.5	1068.2	1277.5	1607.6	1614.7	1636.0	1738.9
60°	1472.7	943.9	1142.7	741.7	834.0	901.4	1156.9	1472.7	1497.6	1511.7	1600.5
62.5°	1231.4	684.9	1036.2	670.7	763.0	777.2	1057.5	1344.9	1376.9	1387.6	1440.8
65°	876.5	574.9	880.1	610.4	688.5	692.0	951.1	1213.7	1242.1	1259.8	1298.8
67.5°	592.6	468.4	670.7	553.6	631.6	635.2	848.1	1061.0	1100.1	1114.3	1139.2
70°	411.7	312.3	496.8	493.3	567.8	574.9	738.2	922.7	958.2	968.8	983.0
72.5°	301.6	251.9	411.7	443.6	500.4	507.5	624.6	766.6	802.0	812.7	819.7
75°	230.6	266.2	333.6	386.8	425.8	429.4	511.0	624.6	649.5	656.5	660.0
77.5°	184.5	248.4	244.9	312.3	347.7	340.7	401.0	482.7	503.9	503.9	503.9
80°	138.4	195.2	184.5	223.6	255.5	248.4	287.5	344.2	351.3	358.4	354.9
82.5°	102.9	124.2	124.2	141.9	170.4	163.2	191.6	223.6	223.6	223.6	230.6
85°	63.8	71.0	56.8	74.5	95.8	92.3	106.5	120.7	124.2	124.2	117.1
87.5°	39.0	32.0	17.7	28.4	42.6	42.6	49.7	53.3	49.7	49.7	49.7
90°	7.0	4.8	2.7	4.8	7.0	7.5	11.8	17.5	20.4	18.2	13.6
92.5°	47.4	29.0	10.7	29.0	47.4	51.9	73.0	101.1	115.1	100.9	72.4
95°	92.8	59.3	25.8	59.3	92.8	101.2	179.6	284.3	336.5	300.3	227.9
97.5°	103.8	74.2	44.7	74.2	103.8	111.1	241.9	416.4	503.6	480.7	434.9
100°	112.7	85.9	59.2	85.9	112.7	119.4	264.7	458.2	555.0	556.7	560.0
102.5°	121.5	96.5	71.5	96.5	121.5	127.8	275.0	471.4	569.5	598.7	657.0
105°	134.8	113.7	92.6	113.7	134.8	140.1	282.7	472.8	567.9	633.3	764.1
107.5°	153.5	133.8	114.1	133.8	153.5	158.5	284.2	451.8	535.6	626.8	809.3
110°	164.2	146.4	128.6	146.4	164.2	168.7	282.0	433.2	508.7	610.7	814.6



TEST NUMBER: P934054

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	176.8	159.8	142.9	159.8	176.8	181.0	282.1	416.9	484.3	588.7	797.4
115°	195.7	180.0	164.4	180.0	195.7	199.7	284.7	398.1	454.9	555.5	756.5
117.5°	214.1	199.8	185.6	199.8	214.1	217.7	290.0	386.5	434.8	525.5	707.0
120°	224.8	211.4	198.0	211.4	224.8	228.1	294.3	382.5	426.6	509.5	675.4
122.5°	237.1	223.6	210.1	223.6	237.1	240.5	300.5	380.4	420.4	495.1	644.4
125°	253.4	241.0	228.7	241.0	253.4	256.4	308.9	378.8	413.7	477.1	604.0
127.5°	268.6	256.1	243.7	256.1	268.6	271.7	317.2	377.8	408.1	462.5	571.5
130°	278.6	265.2	251.8	265.2	278.6	281.9	323.3	378.4	405.9	454.5	551.4
132.5°	286.9	273.5	260.2	273.5	286.9	290.3	328.2	378.8	404.1	447.5	534.3
135°	296.9	284.7	272.5	284.7	296.9	299.9	333.6	378.4	400.8	437.2	509.9
137.5°	309.2	297.2	285.2	297.2	309.2	312.3	341.7	380.8	400.3	431.0	492.4
140°	317.9	306.7	295.6	306.7	317.9	320.7	346.6	381.1	398.4	424.9	478.0
142.5°	324.3	314.0	303.7	314.0	324.3	326.9	350.7	382.5	398.4	421.7	468.3
145°	334.0	325.1	316.1	325.1	334.0	336.3	356.1	382.5	395.7	414.8	452.9
147.5°	345.9	337.2	328.5	337.2	345.9	348.1	363.9	385.2	395.7	410.8	440.8
150°	352.3	344.4	336.5	344.4	352.3	354.3	368.1	386.5	395.7	408.4	433.8
152.5°	356.8	350.9	344.9	350.9	356.8	358.3	370.7	387.4	395.7	406.6	428.2
155°	366.1	361.6	357.2	361.6	366.1	367.2	376.7	389.4	395.7	404.3	421.6
157.5°	375.0	370.7	366.4	370.7	375.0	376.1	382.7	391.3	395.7	402.4	415.8
160°	379.3	375.9	372.6	375.9	379.3	380.1	385.3	392.2	395.7	401.5	412.9
162.5°	383.8	381.3	378.8	381.3	383.8	384.4	388.2	393.2	395.7	400.6	410.2
165°	390.1	387.8	385.5	387.8	390.1	390.6	392.3	394.6	395.7	399.2	406.1
167.5°	393.8	392.8	391.7	392.8	393.8	394.1	395.5	397.4	398.4	400.7	405.2
170°	397.9	396.8	395.7	396.8	397.9	398.1	398.2	398.3	398.4	400.7	405.2
172.5°	398.3	398.1	397.9	398.1	398.3	398.4	398.4	398.4	398.4	400.2	403.8
175°	400.8	400.8	400.8	400.8	400.8	400.8	400.0	399.0	398.4	399.6	401.8
177.5°	400.8	400.8	400.8	400.8	400.8	400.8	400.2	399.4	399.0	399.8	401.6
180°	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8



TEST NUMBER: P934054

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0	3751.0
2.5°	3619.7	3609.1	3623.2	3584.2	3623.2	3609.1	3619.7	3644.5	3623.2	3637.5	3651.7
5°	3176.1	3158.4	3101.6	3055.5	3101.6	3158.4	3176.1	3250.7	3286.2	3350.0	3435.2
7.5°	2839.0	2824.8	2810.7	2782.2	2810.7	2824.8	2839.0	2860.3	2895.8	2952.6	3016.5
10°	2764.5	2768.0	2789.3	2785.8	2789.3	2768.0	2764.5	2757.4	2746.7	2757.4	2796.4
12.5°	2956.1	2988.0	3105.1	3098.0	3105.1	2988.0	2956.1	2814.1	2718.3	2700.6	2707.7
15°	3176.1	3186.8	3211.7	3215.2	3211.7	3186.8	3176.1	3119.4	2831.9	2707.7	2668.7
17.5°	3197.4	3201.0	3218.7	3218.7	3218.7	3201.0	3197.4	3172.6	3076.7	2909.9	2690.0
20°	3179.7	3186.8	3222.2	3229.4	3222.2	3186.8	3179.7	3147.7	3094.6	3034.2	2867.4
22.5°	3172.6	3186.8	3215.2	3211.7	3215.2	3186.8	3172.6	3122.9	3076.7	3034.2	2966.8
25°	3137.1	3137.1	3140.7	3144.2	3140.7	3137.1	3137.1	3098.0	3005.8	2995.2	2956.1
27.5°	3062.6	3069.7	3091.0	3087.4	3091.0	3069.7	3062.6	3048.4	2949.0	2938.4	2909.9
30°	2995.2	2988.0	2970.3	2956.1	2970.3	2988.0	2995.2	2973.9	2874.5	2846.1	2853.2
32.5°	2881.6	2863.8	2846.1	2835.5	2846.1	2863.8	2881.6	2874.5	2800.0	2761.0	2768.0
35°	2746.7	2750.3	2746.7	2736.1	2746.7	2750.3	2746.7	2753.8	2707.7	2672.2	2668.7
37.5°	2650.9	2658.0	2654.5	2640.3	2654.5	2658.0	2650.9	2643.9	2579.9	2569.3	2576.4
40°	2551.5	2555.1	2551.5	2540.9	2551.5	2555.1	2551.5	2537.4	2448.7	2452.2	2477.1
42.5°	2455.8	2452.2	2441.5	2434.4	2441.5	2452.2	2455.8	2434.4	2320.9	2310.3	2356.4
45°	2345.7	2349.3	2328.0	2317.3	2328.0	2349.3	2345.7	2331.6	2214.5	2186.0	2218.0
47.5°	2235.7	2235.7	2218.0	2207.3	2218.0	2235.7	2235.7	2218.0	2093.8	2065.4	2083.1
50°	2118.6	2115.1	2090.2	2086.7	2090.2	2115.1	2118.6	2107.9	1976.7	1951.8	1951.8
52.5°	1983.7	1983.7	1987.3	1994.4	1987.3	1983.7	1983.7	1987.3	1870.2	1845.3	1838.3
55°	1866.6	1870.2	1895.0	1902.1	1895.0	1870.2	1866.6	1866.6	1760.2	1735.4	1721.1
57.5°	1745.9	1745.9	1763.8	1763.8	1763.8	1745.9	1745.9	1738.9	1636.0	1614.7	1607.6
60°	1607.6	1614.7	1628.8	1625.3	1628.8	1614.7	1607.6	1600.5	1511.7	1497.6	1472.7
62.5°	1462.0	1469.2	1472.7	1465.6	1472.7	1469.2	1462.0	1440.8	1387.6	1376.9	1344.9
65°	1309.5	1316.6	1320.1	1313.1	1320.1	1316.6	1309.5	1298.8	1259.8	1242.1	1213.7
67.5°	1153.3	1149.8	1146.3	1160.4	1146.3	1149.8	1153.3	1139.2	1114.3	1100.1	1061.0
70°	993.6	993.6	990.1	997.2	990.1	993.6	993.6	983.0	968.8	958.2	922.7
72.5°	823.3	819.7	834.0	823.3	834.0	819.7	823.3	819.7	812.7	802.0	766.6
75°	656.5	663.6	656.5	667.2	656.5	663.6	656.5	660.0	656.5	649.5	624.6
77.5°	500.4	507.5	500.4	500.4	500.4	507.5	500.4	503.9	503.9	503.9	482.7
80°	354.9	351.3	351.3	347.7	351.3	351.3	354.9	354.9	358.4	351.3	344.2
82.5°	227.1	223.6	223.6	230.6	223.6	223.6	227.1	230.6	223.6	223.6	223.6
85°	124.2	127.8	120.7	120.7	120.7	127.8	124.2	117.1	124.2	124.2	120.7
87.5°	46.1	42.6	42.6	42.6	42.6	42.6	46.1	49.7	49.7	49.7	53.3
90°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	13.6	18.2	20.4	17.5
92.5°	51.1	49.1	41.0	32.9	41.0	49.1	51.1	72.4	100.9	115.1	101.1
95°	173.5	167.3	142.7	118.1	142.7	167.3	173.5	227.9	300.3	336.5	284.3
97.5°	400.6	388.8	342.0	295.1	342.0	388.8	400.6	434.9	480.7	503.6	416.4
100°	562.5	548.6	492.8	436.9	492.8	548.6	562.5	560.0	556.7	555.0	458.2
102.5°	700.8	688.8	641.0	593.1	641.0	688.8	700.8	657.0	598.7	569.5	471.4
105°	862.2	855.7	830.0	804.3	830.0	855.7	862.2	764.1	633.3	567.9	472.8
107.5°	946.2	947.7	954.0	960.1	954.0	947.7	946.2	809.3	626.8	535.6	451.8
110°	967.7	974.4	1001.1	1027.9	1001.1	974.4	967.7	814.6	610.7	508.7	433.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	954.0	964.3	1005.3	1046.4	1005.3	964.3	954.0	797.4	588.7	484.3	416.9
115°	907.4	921.6	978.7	1035.7	978.7	921.6	907.4	756.5	555.5	454.9	398.1
117.5°	843.1	859.0	922.2	985.4	922.2	859.0	843.1	707.0	525.5	434.8	386.5
120°	799.8	815.2	876.6	938.0	876.6	815.2	799.8	675.4	509.5	426.6	382.5
122.5°	756.4	771.6	832.3	892.9	832.3	771.6	756.4	644.4	495.1	420.4	380.4
125°	699.1	713.1	768.9	824.8	768.9	713.1	699.1	604.0	477.1	413.7	378.8
127.5°	653.1	664.9	712.0	759.1	712.0	664.9	653.1	571.5	462.5	408.1	377.8
130°	624.1	635.0	678.6	722.1	678.6	635.0	624.1	551.4	454.5	405.9	378.4
132.5°	599.4	609.2	648.1	687.1	648.1	609.2	599.4	534.3	447.5	404.1	378.8
135°	564.4	572.8	606.4	640.0	606.4	572.8	564.4	509.9	437.2	400.8	378.4
137.5°	538.5	545.4	572.9	600.5	572.9	545.4	538.5	492.4	431.0	400.3	380.8
140°	517.8	524.3	550.0	575.7	550.0	524.3	517.8	478.0	424.9	398.4	381.1
142.5°	503.3	508.9	531.0	553.1	531.0	508.9	503.3	468.3	421.7	398.4	382.5
145°	481.5	485.7	502.4	519.2	502.4	485.7	481.5	452.9	414.8	395.7	382.5
147.5°	463.2	466.7	480.6	494.5	480.6	466.7	463.2	440.8	410.8	395.7	385.2
150°	452.8	455.5	466.8	478.0	466.8	455.5	452.8	433.8	408.4	395.7	386.5
152.5°	444.4	446.6	455.0	463.5	455.0	446.6	444.4	428.2	406.6	395.7	387.4
155°	434.5	435.9	441.5	447.1	441.5	435.9	434.5	421.6	404.3	395.7	389.4
157.5°	425.8	426.8	430.8	434.8	430.8	426.8	425.8	415.8	402.4	395.7	391.3
160°	421.5	422.1	424.4	426.6	424.4	422.1	421.5	412.9	401.5	395.7	392.2
162.5°	417.5	418.0	420.2	422.3	420.2	418.0	417.5	410.2	400.6	395.7	393.2
165°	411.3	411.8	414.2	416.4	414.2	411.8	411.3	406.1	399.2	395.7	394.6
167.5°	408.6	408.9	409.8	410.8	409.8	408.9	408.6	405.2	400.7	398.4	397.4
170°	408.6	408.6	408.6	408.6	408.6	408.6	408.6	405.2	400.7	398.4	398.3
172.5°	406.5	406.3	405.4	404.6	405.4	406.3	406.5	403.8	400.2	398.4	398.4
175°	403.5	403.5	403.5	403.5	403.5	403.5	403.5	401.8	399.6	398.4	399.0
177.5°	403.0	402.7	401.8	400.8	401.8	402.7	403.0	401.6	399.8	399.0	399.4
180°	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3751.0	3751.0	3751.0	3751.0	3751.0
2.5°	3704.9	3722.6	3733.3	3747.5	3783.0
5°	3563.0	3630.4	3651.7	3704.9	3768.8
7.5°	3250.7	3456.5	3513.3	3641.1	3740.3
10°	2949.0	3154.8	3254.2	3555.8	3704.9
12.5°	2796.4	2917.1	2984.5	3406.8	3655.2
15°	2700.6	2785.8	2835.5	3208.1	3598.4
17.5°	2626.0	2686.4	2721.9	3012.9	3520.4
20°	2579.9	2608.3	2640.3	2870.9	3431.6
22.5°	2548.0	2530.2	2555.1	2771.6	3311.0
25°	2526.7	2459.3	2487.7	2693.5	3169.0
27.5°	2544.5	2395.4	2406.1	2622.5	3020.0
30°	2548.0	2317.3	2320.9	2548.0	2853.2
32.5°	2523.2	2235.7	2239.3	2455.8	2665.1
35°	2462.8	2139.9	2136.4	2349.3	2409.6
37.5°	2381.2	2037.0	2037.0	2232.2	2129.2
40°	2281.9	1934.1	1944.7	2079.5	1880.9
42.5°	2161.2	1824.0	1838.3	1877.3	1696.3
45°	2029.9	1717.6	1728.2	1586.3	1554.4
47.5°	1884.4	1607.6	1611.1	1316.6	1508.2
50°	1710.5	1494.0	1479.9	1128.5	1504.7
52.5°	1557.9	1369.8	1327.2	1022.0	1366.2
55°	1408.9	1238.5	1146.3	940.4	1266.9
57.5°	1277.5	1068.2	979.5	844.6	1245.6
60°	1156.9	901.4	834.0	741.7	1142.7
62.5°	1057.5	777.2	763.0	670.7	1036.2
65°	951.1	692.0	688.5	610.4	880.1
67.5°	848.1	635.2	631.6	553.6	670.7
70°	738.2	574.9	567.8	493.3	496.8
72.5°	624.6	507.5	500.4	443.6	411.7
75°	511.0	429.4	425.8	386.8	333.6
77.5°	401.0	340.7	347.7	312.3	244.9
80°	287.5	248.4	255.5	223.6	184.5
82.5°	191.6	163.2	170.4	141.9	124.2
85°	106.5	92.3	95.8	74.5	56.8
87.5°	49.7	42.6	42.6	28.4	17.7
90°	11.8	7.5	7.0	4.8	2.7
92.5°	73.0	51.9	47.4	29.0	10.7
95°	179.6	101.2	92.8	59.3	25.8
97.5°	241.9	111.1	103.8	74.2	44.7
100°	264.7	119.4	112.7	85.9	59.2
102.5°	275.0	127.8	121.5	96.5	71.5
105°	282.7	140.1	134.8	113.7	92.6
107.5°	284.2	158.5	153.5	133.8	114.1
110°	282.0	168.7	164.2	146.4	128.6



TEST NUMBER: P934054

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	282.1	181.0	176.8	159.8	142.9
115°	284.7	199.7	195.7	180.0	164.4
117.5°	290.0	217.7	214.1	199.8	185.6
120°	294.3	228.1	224.8	211.4	198.0
122.5°	300.5	240.5	237.1	223.6	210.1
125°	308.9	256.4	253.4	241.0	228.7
127.5°	317.2	271.7	268.6	256.1	243.7
130°	323.3	281.9	278.6	265.2	251.8
132.5°	328.2	290.3	286.9	273.5	260.2
135°	333.6	299.9	296.9	284.7	272.5
137.5°	341.7	312.3	309.2	297.2	285.2
140°	346.6	320.7	317.9	306.7	295.6
142.5°	350.7	326.9	324.3	314.0	303.7
145°	356.1	336.3	334.0	325.1	316.1
147.5°	363.9	348.1	345.9	337.2	328.5
150°	368.1	354.3	352.3	344.4	336.5
152.5°	370.7	358.3	356.8	350.9	344.9
155°	376.7	367.2	366.1	361.6	357.2
157.5°	382.7	376.1	375.0	370.7	366.4
160°	385.3	380.1	379.3	375.9	372.6
162.5°	388.2	384.4	383.8	381.3	378.8
165°	392.3	390.6	390.1	387.8	385.5
167.5°	395.5	394.1	393.8	392.8	391.7
170°	398.2	398.1	397.9	396.8	395.7
172.5°	398.4	398.4	398.3	398.1	397.9
175°	400.0	400.8	400.8	400.8	400.8
177.5°	400.2	400.8	400.8	400.8	400.8
180°	400.8	400.8	400.8	400.8	400.8



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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	15.66	16.86	16.32	17.54	18.33	18.51	19.71	19.18	20.39	21.18
	3H	16.16	17.24	16.84	17.93	18.75	19.89	20.97	20.57	21.66	22.48
	4H	16.37	17.39	17.07	18.09	18.92	20.35	21.37	21.05	22.07	22.90
	6H	16.51	17.44	17.22	18.15	19.00	20.66	21.60	21.37	22.31	23.16
	8H	16.52	17.41	17.24	18.14	18.99	20.75	21.64	21.47	22.37	23.23
	12H	16.50	17.35	17.22	18.08	18.96	20.80	21.66	21.53	22.38	23.26
4H	2H	16.74	17.76	17.44	18.46	19.29	18.96	19.98	19.66	20.68	21.51
	3H	17.80	18.65	18.51	19.38	20.24	20.51	21.35	21.22	22.09	22.94
	4H	18.09	18.86	18.82	19.60	20.48	21.05	21.82	21.78	22.56	23.44
	6H	18.23	18.90	18.98	19.66	20.55	21.44	22.11	22.19	22.87	23.76
	8H	18.25	18.87	19.00	19.63	20.53	21.56	22.18	22.31	22.94	23.85
	12H	18.23	18.79	19.00	19.57	20.48	21.64	22.20	22.41	22.98	23.89
8H	4H	18.57	19.19	19.32	19.96	20.86	21.20	21.82	21.95	22.59	23.49
	6H	18.85	19.36	19.63	20.17	21.07	21.66	22.17	22.44	22.98	23.88
	8H	18.89	19.35	19.69	20.16	21.08	21.82	22.28	22.61	23.08	24.00
	12H	18.89	19.30	19.69	20.09	21.07	21.93	22.34	22.73	23.13	24.11
12H	4H	18.60	19.15	19.37	19.94	20.85	21.18	21.74	21.95	22.53	23.44
	6H	18.91	19.37	19.70	20.18	21.10	21.66	22.12	22.45	22.92	23.84
	8H	18.99	19.40	19.79	20.19	21.17	21.84	22.24	22.63	23.04	24.02