

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: P934945

Luminaire Tested: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934945
REPORT IS A COMBINATION OF REPORTS P933720 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

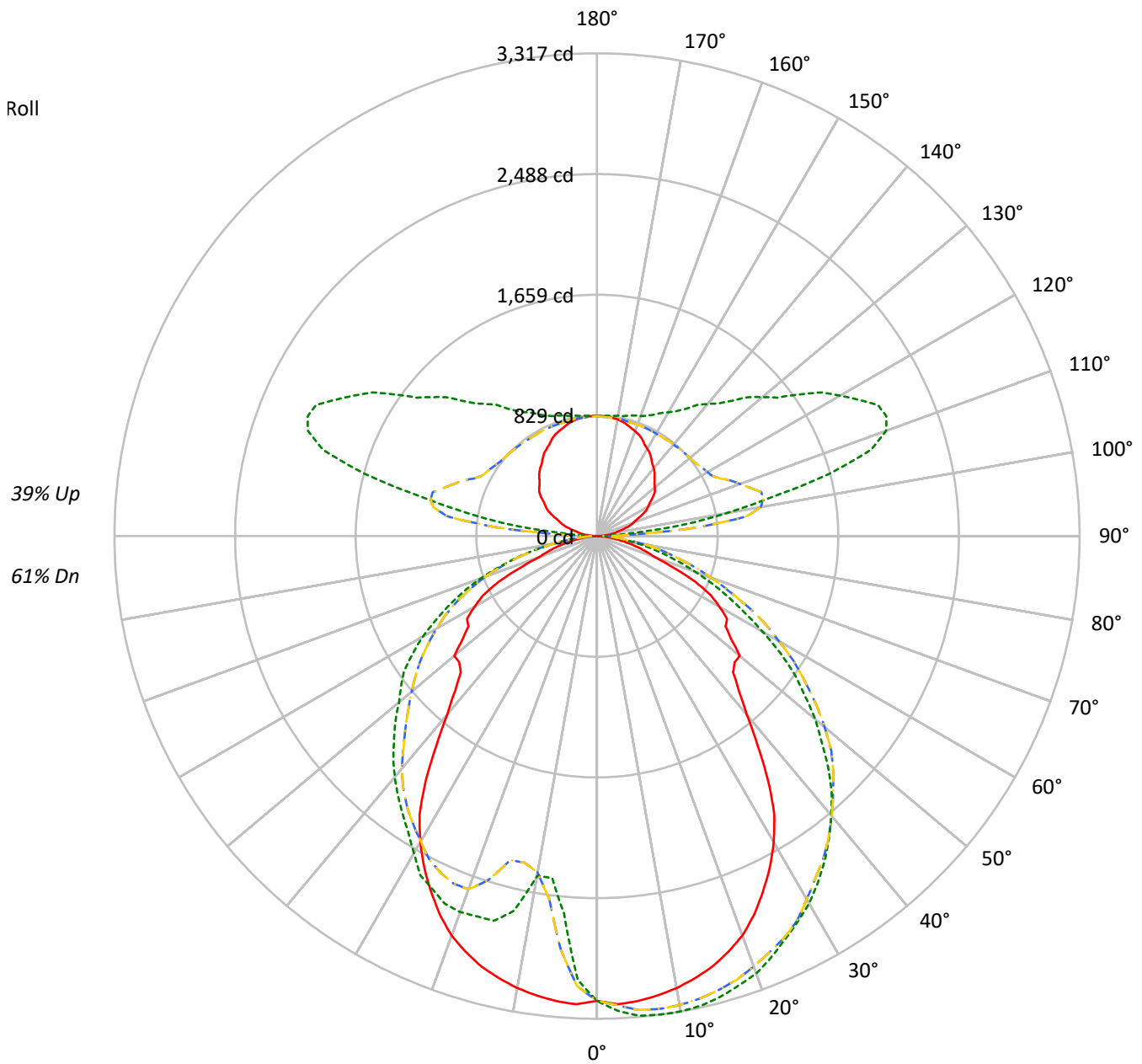
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13627.6 lumens
Efficiency: N/A
Efficacy: 109.9 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): 124
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	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61
1	100	96	92	88	94	90	86	83	79	76	74	68	66	65	59	57	56	51
2	91	84	78	72	85	79	73	68	69	65	61	60	57	54	52	49	47	43
3	83	74	66	60	78	69	63	57	61	56	51	53	49	46	46	43	40	36
4	76	65	57	51	71	61	54	49	54	48	44	47	43	39	41	37	35	31
5	70	58	50	44	65	55	47	42	48	42	38	42	38	34	37	33	30	27
6	65	52	44	38	60	49	42	36	44	37	33	38	33	30	33	29	26	24
7	60	47	39	33	56	45	37	32	39	33	29	35	30	26	30	26	23	21
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21	19
9	52	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19	17
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14815	14815	14815	14815
5°	14925	14955	14925	11759
10°	14825	14731	14825	10532
15°	14664	14412	14664	12035
20°	14358	14034	14358	12059
25°	13730	13482	13730	11804
30°	12919	13024	12919	11243
35°	11517	12445	11517	10626
40°	9597	11764	9597	10160
45°	8574	10966	8574	9624
50°	9109	10014	9109	9087
55°	8571	8989	8571	8776
60°	8835	7634	8835	8038
65°	8010	6311	8010	7054
70°	5546	5029	5546	5913
75°	4862	3717	4862	4452
80°	3920	2458	3920	2677
85°	2250	1302	2250	1106

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13142 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.2	2.1
10°-20°	818.4	6.0
20°-30°	1265.0	9.3
30°-40°	1510.2	11.1
40°-50°	1519.0	11.1
50°-60°	1321.8	9.7
60°-70°	937.1	6.9
70°-80°	495.8	3.6
80°-90°	126.6	0.9
90°-100°	402.0	2.9
100°-110°	1056.7	7.8
110°-120°	1095.7	8.0
120°-130°	878.9	6.4
130°-140°	689.6	5.1
140°-150°	529.3	3.9
150°-160°	381.2	2.8
160°-170°	233.2	1.7
170°-180°	78.8	0.6
0°-30°	2371.6	17.4
0°-40°	3881.8	28.5
0°-60°	6722.6	49.3
0°-90°	8282.2	60.8
90°-120°	2554.4	18.7
90°-150°	4652.2	34.1
90°-180°	5345.0	39.2
0°-180°	13627.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3193	3193	3193	3193	3193	
5°	3208	3308	3208	2601	3208	304
15°	3063	3278	3063	2737	3063	862
25°	2698	3057	2698	2676	2698	1239
35°	2051	2728	2051	2329	2051	1269
45°	1323	2248	1323	1973	1323	1060
55°	1078	1658	1078	1619	1078	991
65°	749	1000	749	1118	749	716
75°	284	474	284	568	284	299
85°	48	121	48	103	48	65
90°	6	21	6	21	6	7
95°	53	243	53	243	53	59
105°	190	1655	190	1655	190	202
115°	338	2131	338	2131	338	334
125°	470	1697	470	1697	470	418
135°	561	1316	561	1316	561	434
145°	650	1068	650	1068	650	407
155°	735	920	735	920	735	338
165°	793	857	793	857	793	224
175°	825	830	825	830	825	78
180°	825	825	825	825	825	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1
2.5°	3220.2	3220.2	3238.3	3244.4	3244.4	3235.4	3226.3	3235.4	3262.5	3271.6	3268.6
5°	3208.2	3232.4	3265.6	3271.6	3277.6	3274.7	3268.6	3274.7	3304.8	3310.9	3313.9
7.5°	3184.0	3229.3	3271.6	3280.6	3289.8	3280.6	3277.6	3283.7	3313.9	3319.9	3319.9
10°	3153.8	3217.3	3265.6	3271.6	3280.6	3271.6	3271.6	3283.7	3313.9	3319.9	3323.0
12.5°	3111.5	3199.1	3244.4	3250.5	3262.5	3259.5	3256.5	3268.6	3298.8	3304.8	3304.8
15°	3063.2	3165.9	3208.2	3214.2	3235.4	3229.3	3229.3	3241.4	3274.7	3283.7	3280.6
17.5°	2996.7	3123.5	3171.9	3180.9	3196.1	3193.1	3196.1	3208.2	3238.3	3244.4	3247.4
20°	2921.2	3066.1	3123.5	3132.6	3147.7	3147.7	3147.7	3162.8	3193.1	3205.1	3205.1
22.5°	2818.4	3005.8	3066.1	3072.2	3090.3	3090.3	3096.4	3117.6	3144.7	3147.7	3147.7
25°	2697.7	2939.3	2990.6	3008.8	3026.9	3036.0	3045.1	3057.1	3066.1	3063.2	3066.1
27.5°	2570.7	2854.7	2921.2	2933.2	2957.4	2966.5	2978.6	2981.6	2984.7	2993.7	2987.6
30°	2428.8	2737.0	2836.6	2848.7	2888.0	2894.0	2881.9	2888.0	2903.1	2909.1	2915.1
32.5°	2268.7	2561.7	2749.0	2776.2	2812.5	2794.3	2791.3	2800.3	2824.5	2824.5	2830.6
35°	2051.2	2425.8	2667.4	2691.6	2718.7	2697.7	2709.7	2712.8	2727.8	2737.0	2733.9
37.5°	1812.6	2308.0	2582.9	2601.0	2622.2	2594.9	2613.1	2622.2	2634.2	2628.1	2628.1
40°	1601.1	2123.6	2483.2	2495.2	2513.4	2492.2	2510.3	2516.4	2522.5	2516.4	2513.4
42.5°	1444.0	1921.3	2377.4	2392.5	2380.4	2395.5	2401.6	2413.6	2404.6	2392.5	2392.5
45°	1323.1	1866.9	2262.6	2280.7	2262.6	2286.8	2295.9	2295.9	2268.7	2262.6	2259.6
47.5°	1283.9	1758.1	2147.8	2147.8	2138.8	2169.0	2184.1	2162.9	2135.8	2126.7	2126.7
50°	1280.8	1637.3	1990.7	1978.7	2021.0	2057.2	2042.1	2021.0	1999.8	1966.6	1966.6
52.5°	1163.0	1489.2	1788.4	1833.7	1900.1	1921.3	1897.1	1875.9	1839.7	1824.6	1812.6
55°	1078.5	1335.3	1604.1	1694.7	1764.2	1791.4	1746.1	1724.9	1670.5	1661.5	1655.5
57.5°	1060.3	1111.7	1434.9	1549.7	1634.3	1631.3	1604.1	1564.9	1519.5	1510.4	1507.5
60°	972.7	803.5	1253.7	1389.6	1477.2	1468.2	1444.0	1407.8	1365.4	1359.4	1353.4
62.5°	882.1	583.1	1048.2	1202.3	1326.2	1323.1	1302.0	1247.6	1217.4	1202.3	1190.2
65°	749.2	489.4	746.1	999.9	1178.2	1184.1	1138.9	1099.6	1066.3	1048.2	1045.3
67.5°	570.9	398.7	504.5	833.8	1036.2	1030.1	972.7	954.6	912.3	903.2	885.1
70°	422.9	265.8	350.4	676.7	897.2	882.1	836.7	815.7	776.4	755.2	743.1
72.5°	350.4	214.5	256.8	525.7	755.2	737.1	697.9	673.7	640.5	622.3	610.2
75°	283.9	226.5	196.4	389.7	613.2	601.2	564.9	540.7	513.5	489.4	492.4
77.5°	208.4	211.5	157.1	287.0	486.4	468.3	447.1	416.9	404.8	380.6	380.6
80°	157.1	166.1	117.8	196.4	350.4	350.4	332.3	311.2	290.0	278.0	278.0
82.5°	105.7	105.7	87.6	123.9	238.7	229.6	217.5	211.5	199.4	193.3	193.3
85°	48.3	60.4	54.4	75.5	129.9	135.9	135.9	129.9	126.8	120.9	123.9
87.5°	15.1	27.2	33.2	42.3	66.5	69.4	72.5	72.5	72.5	75.5	75.5
90°	5.5	10.0	14.5	15.5	24.4	36.2	42.0	37.4	28.0	21.1	21.1
92.5°	22.1	59.8	97.5	106.8	150.2	208.0	236.9	207.6	149.1	105.2	101.0
95°	53.1	122.0	190.8	208.1	369.5	584.7	692.3	617.8	468.7	357.0	344.3
97.5°	91.9	152.6	213.4	228.6	497.7	856.6	1036.0	988.8	894.7	824.1	800.0
100°	121.8	176.8	232.0	245.7	544.4	942.6	1141.7	1145.1	1152.0	1157.2	1128.5
102.5°	147.2	198.6	250.0	262.9	565.7	969.7	1171.6	1231.5	1351.6	1441.7	1417.0
105°	190.4	234.0	277.4	288.3	581.6	972.7	1168.3	1302.8	1571.8	1773.6	1760.4
107.5°	234.7	275.3	315.8	326.0	584.6	929.4	1101.9	1289.5	1664.8	1946.4	1949.6
110°	264.6	301.2	337.8	347.0	580.1	891.0	1046.5	1256.3	1675.9	1990.6	2004.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	293.9	328.8	363.7	372.4	580.3	857.5	996.2	1210.9	1640.4	1962.4	1983.6
115°	338.1	370.3	402.6	410.6	585.6	819.1	935.8	1142.6	1556.4	1866.6	1896.0
117.5°	381.9	411.1	440.4	447.7	596.6	795.1	894.3	1081.0	1454.3	1734.4	1766.9
120°	407.3	434.8	462.4	469.3	605.4	786.9	877.7	1048.3	1389.5	1645.3	1676.9
122.5°	432.2	460.1	487.8	494.8	618.1	782.6	864.9	1018.6	1325.8	1556.2	1587.3
125°	470.4	495.8	521.0	527.4	635.3	779.2	851.1	981.6	1242.5	1438.3	1467.0
127.5°	501.4	527.0	552.5	559.0	652.5	777.2	839.5	951.5	1175.6	1343.7	1367.9
130°	518.0	545.5	573.1	579.9	665.0	778.5	835.1	934.8	1134.3	1283.9	1306.3
132.5°	535.1	562.7	590.3	597.2	675.2	779.2	831.2	920.5	1099.1	1233.0	1253.1
135°	560.6	585.6	610.8	617.1	686.2	778.5	824.6	899.4	1048.9	1161.0	1178.3
137.5°	586.6	611.4	636.3	642.5	702.8	783.3	823.4	886.6	1013.1	1107.9	1122.0
140°	608.2	631.1	653.9	659.6	712.9	784.1	819.6	874.2	983.4	1065.3	1078.6
142.5°	624.8	646.0	667.1	672.4	721.5	786.9	819.6	867.5	963.5	1035.4	1046.8
145°	650.3	668.8	687.1	691.8	732.6	786.9	814.1	853.3	931.8	990.6	999.2
147.5°	675.7	693.7	711.7	716.1	748.8	792.3	814.1	845.0	906.6	953.0	960.1
150°	692.3	708.6	724.8	728.8	757.2	795.1	814.1	840.1	892.3	931.4	937.2
152.5°	709.5	721.8	734.1	737.1	762.7	796.9	814.1	836.3	880.8	914.2	918.6
155°	734.9	744.0	753.1	755.4	775.0	801.0	814.1	831.7	867.2	893.8	896.6
157.5°	753.7	762.6	771.4	773.6	787.1	805.1	814.1	827.8	855.4	876.0	878.1
160°	766.5	773.4	780.2	781.9	792.6	806.9	814.1	825.9	849.5	867.2	868.3
162.5°	779.2	784.3	789.5	790.9	798.6	808.9	814.1	824.1	844.0	858.9	860.0
165°	793.0	797.6	802.4	803.5	807.0	811.7	814.1	821.2	835.5	846.2	847.4
167.5°	805.8	808.0	810.2	810.8	813.7	817.6	819.6	824.2	833.6	840.7	841.1
170°	814.1	816.3	818.5	819.1	819.2	819.5	819.6	824.2	833.6	840.7	840.7
172.5°	818.5	819.0	819.5	819.6	819.6	819.6	819.6	823.3	830.7	836.2	835.8
175°	824.6	824.6	824.6	824.6	822.9	820.7	819.6	821.9	826.7	830.1	830.1
177.5°	824.6	824.6	824.6	824.6	823.3	821.6	820.7	822.5	826.2	829.0	828.5
180°	824.6	824.6	824.6	824.6	824.6	824.6	824.6	824.6	824.6	824.6	824.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1
2.5°	3274.7	3265.6	3274.7	3268.6	3271.6	3262.5	3235.4	3226.3	3235.4	3244.4	3244.4
5°	3313.9	3307.9	3313.9	3313.9	3310.9	3304.8	3274.7	3268.6	3274.7	3277.6	3271.6
7.5°	3326.0	3316.9	3326.0	3319.9	3319.9	3313.9	3283.7	3277.6	3280.6	3289.8	3280.6
10°	3326.0	3316.9	3326.0	3323.0	3319.9	3313.9	3283.7	3271.6	3271.6	3280.6	3271.6
12.5°	3310.9	3304.8	3310.9	3304.8	3304.8	3298.8	3268.6	3256.5	3259.5	3262.5	3250.5
15°	3286.7	3277.6	3286.7	3280.6	3283.7	3274.7	3241.4	3229.3	3229.3	3235.4	3214.2
17.5°	3250.5	3238.3	3250.5	3247.4	3244.4	3238.3	3208.2	3196.1	3193.1	3196.1	3180.9
20°	3208.2	3199.1	3208.2	3205.1	3205.1	3193.1	3162.8	3147.7	3147.7	3147.7	3132.6
22.5°	3141.7	3132.6	3141.7	3147.7	3147.7	3144.7	3117.6	3096.4	3090.3	3090.3	3072.2
25°	3066.1	3057.1	3066.1	3066.1	3063.2	3066.1	3057.1	3045.1	3036.0	3026.9	3008.8
27.5°	2993.7	2987.6	2993.7	2987.6	2993.7	2984.7	2981.6	2978.6	2966.5	2957.4	2933.2
30°	2921.2	2915.1	2921.2	2915.1	2909.1	2903.1	2888.0	2881.9	2894.0	2888.0	2848.7
32.5°	2830.6	2824.5	2830.6	2830.6	2824.5	2824.5	2800.3	2791.3	2794.3	2812.5	2776.2
35°	2737.0	2727.8	2737.0	2733.9	2737.0	2727.8	2712.8	2709.7	2697.7	2718.7	2691.6
37.5°	2628.1	2619.1	2628.1	2628.1	2628.1	2634.2	2622.2	2613.1	2594.9	2622.2	2601.0
40°	2516.4	2504.3	2516.4	2513.4	2516.4	2522.5	2516.4	2510.3	2492.2	2513.4	2495.2
42.5°	2389.5	2386.5	2389.5	2392.5	2392.5	2404.6	2413.6	2401.6	2395.5	2380.4	2392.5
45°	2253.6	2247.5	2253.6	2259.6	2262.6	2268.7	2295.9	2295.9	2286.8	2262.6	2280.7
47.5°	2108.5	2093.5	2108.5	2126.7	2126.7	2135.8	2162.9	2184.1	2169.0	2138.8	2147.8
50°	1954.5	1957.5	1954.5	1966.6	1966.6	1999.8	2021.0	2042.1	2057.2	2021.0	1978.7
52.5°	1803.4	1800.4	1803.4	1812.6	1824.6	1839.7	1875.9	1897.1	1921.3	1900.1	1833.7
55°	1652.4	1658.5	1652.4	1655.5	1661.5	1670.5	1724.9	1746.1	1791.4	1764.2	1694.7
57.5°	1501.4	1492.3	1501.4	1507.5	1510.4	1519.5	1564.9	1604.1	1631.3	1634.3	1549.7
60°	1326.2	1314.1	1326.2	1353.4	1359.4	1365.4	1407.8	1444.0	1468.2	1477.2	1389.6
62.5°	1172.1	1150.9	1172.1	1190.2	1202.3	1217.4	1247.6	1302.0	1323.1	1326.2	1202.3
65°	1008.9	999.9	1008.9	1045.3	1048.2	1066.3	1099.6	1138.9	1184.1	1178.2	999.9
67.5°	860.9	860.9	860.9	885.1	903.2	912.3	954.6	972.7	1030.1	1036.2	833.8
70°	725.0	722.0	725.0	743.1	755.2	776.4	815.7	836.7	882.1	897.2	676.7
72.5°	595.1	592.1	595.1	610.2	622.3	640.5	673.7	697.9	737.1	755.2	525.7
75°	480.3	474.2	480.3	492.4	489.4	513.5	540.7	564.9	601.2	613.2	389.7
77.5°	368.6	368.6	368.6	380.6	380.6	404.8	416.9	447.1	468.3	486.4	287.0
80°	274.9	271.9	274.9	278.0	278.0	290.0	311.2	332.3	350.4	350.4	196.4
82.5°	193.3	187.3	193.3	193.3	193.3	199.4	211.5	217.5	229.6	238.7	123.9
85°	120.9	120.9	120.9	123.9	120.9	126.8	129.9	135.9	135.9	129.9	75.5
87.5°	78.6	75.5	78.6	75.5	75.5	72.5	72.5	72.5	69.4	66.5	42.3
90°	21.1	21.1	21.1	21.1	21.1	28.0	37.4	42.0	36.2	24.4	15.5
92.5°	84.3	67.5	84.3	101.0	105.2	149.1	207.6	236.9	208.0	150.2	106.8
95°	293.7	243.0	293.7	344.3	357.0	468.7	617.8	692.3	584.7	369.5	208.1
97.5°	703.5	607.1	703.5	800.0	824.1	894.7	988.8	1036.0	856.6	497.7	228.6
100°	1013.7	898.8	1013.7	1128.5	1157.2	1152.0	1145.1	1141.7	942.6	544.4	245.7
102.5°	1318.7	1220.3	1318.7	1417.0	1441.7	1351.6	1231.5	1171.6	969.7	565.7	262.9
105°	1707.5	1654.6	1707.5	1760.4	1773.6	1571.8	1302.8	1168.3	972.7	581.6	288.3
107.5°	1962.3	1975.1	1962.3	1949.6	1946.4	1664.8	1289.5	1101.9	929.4	584.6	326.0
110°	2059.5	2114.6	2059.5	2004.4	1990.6	1675.9	1256.3	1046.5	891.0	580.1	347.0



TEST NUMBER: P934945

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2068.1	2152.7	2068.1	1983.6	1962.4	1640.4	1210.9	996.2	857.5	580.3	372.4
115°	2013.3	2130.6	2013.3	1896.0	1866.6	1556.4	1142.6	935.8	819.1	585.6	410.6
117.5°	1897.0	2027.1	1897.0	1766.9	1734.4	1454.3	1081.0	894.3	795.1	596.6	447.7
120°	1803.4	1929.8	1803.4	1676.9	1645.3	1389.5	1048.3	877.7	786.9	605.4	469.3
122.5°	1712.0	1836.7	1712.0	1587.3	1556.2	1325.8	1018.6	864.9	782.6	618.1	494.8
125°	1581.9	1696.8	1581.9	1467.0	1438.3	1242.5	981.6	851.1	779.2	635.3	527.4
127.5°	1464.8	1561.7	1464.8	1367.9	1343.7	1175.6	951.5	839.5	777.2	652.5	559.0
130°	1395.8	1485.3	1395.8	1306.3	1283.9	1134.3	934.8	835.1	778.5	665.0	579.9
132.5°	1333.2	1413.4	1333.2	1253.1	1233.0	1099.1	920.5	831.2	779.2	675.2	597.2
135°	1247.4	1316.5	1247.4	1178.3	1161.0	1048.9	899.4	824.6	778.5	686.2	617.1
137.5°	1178.6	1235.2	1178.6	1122.0	1107.9	1013.1	886.6	823.4	783.3	702.8	642.5
140°	1131.5	1184.3	1131.5	1078.6	1065.3	983.4	874.2	819.6	784.1	712.9	659.6
142.5°	1092.3	1137.8	1092.3	1046.8	1035.4	963.5	867.5	819.6	786.9	721.5	672.4
145°	1033.7	1068.1	1033.7	999.2	990.6	931.8	853.3	814.1	786.9	732.6	691.8
147.5°	988.6	1017.1	988.6	960.1	953.0	906.6	845.0	814.1	792.3	748.8	716.1
150°	960.3	983.4	960.3	937.2	931.4	892.3	840.1	814.1	795.1	757.2	728.8
152.5°	936.0	953.5	936.0	918.6	914.2	880.8	836.3	814.1	796.9	762.7	737.1
155°	908.2	919.8	908.2	896.6	893.8	867.2	831.7	814.1	801.0	775.0	755.4
157.5°	886.2	894.3	886.2	878.1	876.0	855.4	827.8	814.1	805.1	787.1	773.6
160°	873.1	877.7	873.1	868.3	867.2	849.5	825.9	814.1	806.9	792.6	781.9
162.5°	864.4	868.9	864.4	860.0	858.9	844.0	824.1	814.1	808.9	798.6	790.9
165°	852.0	856.6	852.0	847.4	846.2	835.5	821.2	814.1	811.7	807.0	803.5
167.5°	843.1	845.0	843.1	841.1	840.7	833.6	824.2	819.6	817.6	813.7	810.8
170°	840.7	840.7	840.7	840.7	840.7	833.6	824.2	819.6	819.5	819.2	819.1
172.5°	834.1	832.4	834.1	835.8	836.2	830.7	823.3	819.6	819.6	819.6	819.6
175°	830.1	830.1	830.1	830.1	830.1	826.7	821.9	819.6	820.7	822.9	824.6
177.5°	826.6	824.6	826.6	828.5	829.0	826.2	822.5	820.7	821.6	823.3	824.6
180°	824.6	824.6	824.6	824.6	824.6	824.6	824.6	824.6	824.6	824.6	824.6



TEST NUMBER: P934945

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1
2.5°	3238.3	3220.2	3220.2	3190.0	3178.0	3168.9	3153.8	3108.5	3096.4	3084.3	3102.5
5°	3265.6	3232.4	3208.2	3153.8	3108.5	3090.3	3032.9	2924.2	2851.7	2797.3	2767.1
7.5°	3271.6	3229.3	3184.0	3099.4	2990.6	2942.3	2767.1	2567.7	2513.4	2465.1	2434.8
10°	3265.6	3217.3	3153.8	3026.9	2770.2	2685.5	2510.3	2380.4	2347.2	2338.1	2347.2
12.5°	3244.4	3199.1	3111.5	2900.0	2540.6	2483.2	2380.4	2304.9	2298.9	2314.0	2395.5
15°	3208.2	3165.9	3063.2	2730.9	2413.6	2371.4	2298.9	2271.7	2304.9	2410.7	2655.4
17.5°	3171.9	3123.5	2996.7	2564.8	2317.0	2286.8	2235.5	2289.8	2477.1	2619.1	2700.6
20°	3123.5	3066.1	2921.2	2443.9	2247.5	2220.3	2196.2	2440.9	2582.9	2634.2	2679.6
22.5°	3066.1	3005.8	2818.4	2359.3	2175.0	2153.9	2169.0	2525.5	2582.9	2619.1	2658.4
25°	2990.6	2939.3	2697.7	2292.9	2117.7	2093.5	2150.9	2516.4	2549.6	2558.7	2637.2
27.5°	2921.2	2854.7	2570.7	2232.4	2048.1	2039.1	2165.9	2477.1	2501.3	2510.3	2594.9
30°	2836.6	2737.0	2428.8	2169.0	1975.6	1972.6	2169.0	2428.8	2422.7	2446.9	2531.5
32.5°	2749.0	2561.7	2268.7	2090.4	1906.2	1903.2	2147.8	2356.2	2350.3	2383.5	2446.9
35°	2667.4	2425.8	2051.2	1999.8	1818.5	1821.6	2096.5	2271.7	2274.8	2304.9	2344.2
37.5°	2582.9	2308.0	1812.6	1900.1	1734.0	1734.0	2027.0	2193.2	2187.1	2196.2	2250.6
40°	2483.2	2123.6	1601.1	1770.2	1655.5	1646.3	1942.4	2108.5	2087.4	2084.4	2160.0
42.5°	2377.4	1921.3	1444.0	1598.1	1564.9	1552.7	1839.7	2005.9	1966.6	1975.6	2072.3
45°	2262.6	1866.9	1323.1	1350.4	1471.1	1462.1	1727.9	1888.1	1860.8	1885.0	1984.7
47.5°	2147.8	1758.1	1283.9	1120.8	1371.5	1368.5	1604.1	1773.3	1758.1	1782.3	1888.1
50°	1990.7	1637.3	1280.8	960.6	1259.7	1271.8	1456.0	1661.5	1661.5	1682.6	1794.4
52.5°	1788.4	1489.2	1163.0	870.0	1129.8	1166.0	1326.2	1564.9	1570.8	1592.0	1691.7
55°	1604.1	1335.3	1078.5	800.5	975.7	1054.3	1199.3	1465.1	1477.2	1498.4	1589.0
57.5°	1434.9	1111.7	1060.3	719.0	833.8	909.3	1087.5	1368.5	1374.5	1392.7	1480.2
60°	1253.7	803.5	972.7	631.4	709.9	767.3	984.8	1253.7	1274.8	1286.9	1362.4
62.5°	1048.2	583.1	882.1	570.9	649.5	661.6	900.2	1144.9	1172.1	1181.2	1226.5
65°	746.1	489.4	749.2	519.6	586.0	589.0	809.6	1033.1	1057.3	1072.4	1105.6
67.5°	504.5	398.7	570.9	471.2	537.7	540.7	722.0	903.2	936.4	948.6	969.7
70°	350.4	265.8	422.9	419.9	483.4	489.4	628.3	785.4	815.7	824.7	836.7
72.5°	256.8	214.5	350.4	377.6	426.0	432.0	531.6	652.5	682.7	691.8	697.9
75°	196.4	226.5	283.9	329.3	362.5	365.5	435.0	531.6	552.8	558.9	561.9
77.5°	157.1	211.5	208.4	265.8	296.1	290.0	341.3	410.9	429.0	429.0	429.0
80°	117.8	166.1	157.1	190.3	217.5	211.5	244.7	293.0	299.0	305.1	302.1
82.5°	87.6	105.7	105.7	120.9	145.0	139.0	163.2	190.3	190.3	190.3	196.4
85°	54.4	60.4	48.3	63.5	81.6	78.6	90.6	102.7	105.7	105.7	99.7
87.5°	33.2	27.2	15.1	24.2	36.2	36.2	42.3	45.3	42.3	42.3	42.3
90°	14.5	10.0	5.5	10.0	14.5	15.5	24.4	36.2	42.0	37.4	28.0
92.5°	97.5	59.8	22.1	59.8	97.5	106.8	150.2	208.0	236.9	207.6	149.1
95°	190.8	122.0	53.1	122.0	190.8	208.1	369.5	584.7	692.3	617.8	468.7
97.5°	213.4	152.6	91.9	152.6	213.4	228.6	497.7	856.6	1036.0	988.8	894.7
100°	232.0	176.8	121.8	176.8	232.0	245.7	544.4	942.6	1141.7	1145.1	1152.0
102.5°	250.0	198.6	147.2	198.6	250.0	262.9	565.7	969.7	1171.6	1231.5	1351.6
105°	277.4	234.0	190.4	234.0	277.4	288.3	581.6	972.7	1168.3	1302.8	1571.8
107.5°	315.8	275.3	234.7	275.3	315.8	326.0	584.6	929.4	1101.9	1289.5	1664.8
110°	337.8	301.2	264.6	301.2	337.8	347.0	580.1	891.0	1046.5	1256.3	1675.9



TEST NUMBER: P934945

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	363.7	328.8	293.9	328.8	363.7	372.4	580.3	857.5	996.2	1210.9	1640.4
115°	402.6	370.3	338.1	370.3	402.6	410.6	585.6	819.1	935.8	1142.6	1556.4
117.5°	440.4	411.1	381.9	411.1	440.4	447.7	596.6	795.1	894.3	1081.0	1454.3
120°	462.4	434.8	407.3	434.8	462.4	469.3	605.4	786.9	877.7	1048.3	1389.5
122.5°	487.8	460.1	432.2	460.1	487.8	494.8	618.1	782.6	864.9	1018.6	1325.8
125°	521.0	495.8	470.4	495.8	521.0	527.4	635.3	779.2	851.1	981.6	1242.5
127.5°	552.5	527.0	501.4	527.0	552.5	559.0	652.5	777.2	839.5	951.5	1175.6
130°	573.1	545.5	518.0	545.5	573.1	579.9	665.0	778.5	835.1	934.8	1134.3
132.5°	590.3	562.7	535.1	562.7	590.3	597.2	675.2	779.2	831.2	920.5	1099.1
135°	610.8	585.6	560.6	585.6	610.8	617.1	686.2	778.5	824.6	899.4	1048.9
137.5°	636.3	611.4	586.6	611.4	636.3	642.5	702.8	783.3	823.4	886.6	1013.1
140°	653.9	631.1	608.2	631.1	653.9	659.6	712.9	784.1	819.6	874.2	983.4
142.5°	667.1	646.0	624.8	646.0	667.1	672.4	721.5	786.9	819.6	867.5	963.5
145°	687.1	668.8	650.3	668.8	687.1	691.8	732.6	786.9	814.1	853.3	931.8
147.5°	711.7	693.7	675.7	693.7	711.7	716.1	748.8	792.3	814.1	845.0	906.6
150°	724.8	708.6	692.3	708.6	724.8	728.8	757.2	795.1	814.1	840.1	892.3
152.5°	734.1	721.8	709.5	721.8	734.1	737.1	762.7	796.9	814.1	836.3	880.8
155°	753.1	744.0	734.9	744.0	753.1	755.4	775.0	801.0	814.1	831.7	867.2
157.5°	771.4	762.6	753.7	762.6	771.4	773.6	787.1	805.1	814.1	827.8	855.4
160°	780.2	773.4	766.5	773.4	780.2	781.9	792.6	806.9	814.1	825.9	849.5
162.5°	789.5	784.3	779.2	784.3	789.5	790.9	798.6	808.9	814.1	824.1	844.0
165°	802.4	797.6	793.0	797.6	802.4	803.5	807.0	811.7	814.1	821.2	835.5
167.5°	810.2	808.0	805.8	808.0	810.2	810.8	813.7	817.6	819.6	824.2	833.6
170°	818.5	816.3	814.1	816.3	818.5	819.1	819.2	819.5	819.6	824.2	833.6
172.5°	819.5	819.0	818.5	819.0	819.5	819.6	819.6	819.6	819.6	823.3	830.7
175°	824.6	824.6	824.6	824.6	824.6	824.6	822.9	820.7	819.6	821.9	826.7
177.5°	824.6	824.6	824.6	824.6	824.6	824.6	823.3	821.6	820.7	822.5	826.2
180°	824.6	824.6	824.6	824.6	824.6	824.6	824.6	824.6	824.6	824.6	824.6



TEST NUMBER: P934945

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1	3193.1
2.5°	3081.3	3072.2	3084.3	3051.1	3084.3	3072.2	3081.3	3102.5	3084.3	3096.4	3108.5
5°	2703.7	2688.6	2640.3	2601.0	2640.3	2688.6	2703.7	2767.1	2797.3	2851.7	2924.2
7.5°	2416.7	2404.6	2392.5	2368.4	2392.5	2404.6	2416.7	2434.8	2465.1	2513.4	2567.7
10°	2353.3	2356.2	2374.4	2371.4	2374.4	2356.2	2353.3	2347.2	2338.1	2347.2	2380.4
12.5°	2516.4	2543.6	2643.2	2637.2	2643.2	2543.6	2516.4	2395.5	2314.0	2298.9	2304.9
15°	2703.7	2712.8	2733.9	2737.0	2733.9	2712.8	2703.7	2655.4	2410.7	2304.9	2271.7
17.5°	2721.8	2724.8	2739.9	2739.9	2739.9	2724.8	2721.8	2700.6	2619.1	2477.1	2289.8
20°	2706.7	2712.8	2742.9	2749.0	2742.9	2712.8	2706.7	2679.6	2634.2	2582.9	2440.9
22.5°	2700.6	2712.8	2737.0	2733.9	2737.0	2712.8	2700.6	2658.4	2619.1	2582.9	2525.5
25°	2670.5	2670.5	2673.5	2676.5	2673.5	2670.5	2670.5	2637.2	2558.7	2549.6	2516.4
27.5°	2607.0	2613.1	2631.2	2628.1	2631.2	2613.1	2607.0	2594.9	2510.3	2501.3	2477.1
30°	2549.6	2543.6	2528.4	2516.4	2528.4	2543.6	2549.6	2531.5	2446.9	2422.7	2428.8
32.5°	2452.9	2437.8	2422.7	2413.6	2422.7	2437.8	2452.9	2446.9	2383.5	2350.3	2356.2
35°	2338.1	2341.2	2338.1	2329.1	2338.1	2341.2	2338.1	2344.2	2304.9	2274.8	2271.7
37.5°	2256.6	2262.6	2259.6	2247.5	2259.6	2262.6	2256.6	2250.6	2196.2	2187.1	2193.2
40°	2172.0	2175.0	2172.0	2162.9	2172.0	2175.0	2172.0	2160.0	2084.4	2087.4	2108.5
42.5°	2090.4	2087.4	2078.4	2072.3	2078.4	2087.4	2090.4	2072.3	1975.6	1966.6	2005.9
45°	1996.8	1999.8	1981.7	1972.6	1981.7	1999.8	1996.8	1984.7	1885.0	1860.8	1888.1
47.5°	1903.2	1903.2	1888.1	1879.0	1888.1	1903.2	1903.2	1888.1	1782.3	1758.1	1773.3
50°	1803.4	1800.4	1779.3	1776.3	1779.3	1800.4	1803.4	1794.4	1682.6	1661.5	1661.5
52.5°	1688.7	1688.7	1691.7	1697.8	1691.7	1688.7	1688.7	1691.7	1592.0	1570.8	1564.9
55°	1589.0	1592.0	1613.1	1619.2	1613.1	1592.0	1589.0	1589.0	1498.4	1477.2	1465.1
57.5°	1486.3	1486.3	1501.4	1501.4	1501.4	1486.3	1486.3	1480.2	1392.7	1374.5	1368.5
60°	1368.5	1374.5	1386.6	1383.6	1386.6	1374.5	1368.5	1362.4	1286.9	1274.8	1253.7
62.5°	1244.6	1250.6	1253.7	1247.6	1253.7	1250.6	1244.6	1226.5	1181.2	1172.1	1144.9
65°	1114.7	1120.8	1123.8	1117.7	1123.8	1120.8	1114.7	1105.6	1072.4	1057.3	1033.1
67.5°	981.8	978.8	975.7	987.9	975.7	978.8	981.8	969.7	948.6	936.4	903.2
70°	845.8	845.8	842.8	848.9	842.8	845.8	845.8	836.7	824.7	815.7	785.4
72.5°	700.9	697.9	709.9	700.9	709.9	697.9	700.9	697.9	691.8	682.7	652.5
75°	558.9	564.9	558.9	567.9	558.9	564.9	558.9	561.9	558.9	552.8	531.6
77.5°	426.0	432.0	426.0	426.0	426.0	432.0	426.0	429.0	429.0	429.0	410.9
80°	302.1	299.0	299.0	296.1	299.0	299.0	302.1	302.1	305.1	299.0	293.0
82.5°	193.3	190.3	190.3	196.4	190.3	190.3	193.3	196.4	190.3	190.3	190.3
85°	105.7	108.7	102.7	102.7	102.7	108.7	105.7	99.7	105.7	105.7	102.7
87.5°	39.3	36.2	36.2	36.2	36.2	36.2	39.3	42.3	42.3	42.3	45.3
90°	21.1	21.1	21.1	21.1	21.1	21.1	21.1	28.0	37.4	42.0	36.2
92.5°	105.2	101.0	84.3	67.5	84.3	101.0	105.2	149.1	207.6	236.9	208.0
95°	357.0	344.3	293.7	243.0	293.7	344.3	357.0	468.7	617.8	692.3	584.7
97.5°	824.1	800.0	703.5	607.1	703.5	800.0	824.1	894.7	988.8	1036.0	856.6
100°	1157.2	1128.5	1013.7	898.8	1013.7	1128.5	1157.2	1152.0	1145.1	1141.7	942.6
102.5°	1441.7	1417.0	1318.7	1220.3	1318.7	1417.0	1441.7	1351.6	1231.5	1171.6	969.7
105°	1773.6	1760.4	1707.5	1654.6	1707.5	1760.4	1773.6	1571.8	1302.8	1168.3	972.7
107.5°	1946.4	1949.6	1962.3	1975.1	1962.3	1949.6	1946.4	1664.8	1289.5	1101.9	929.4
110°	1990.6	2004.4	2059.5	2114.6	2059.5	2004.4	1990.6	1675.9	1256.3	1046.5	891.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1962.4	1983.6	2068.1	2152.7	2068.1	1983.6	1962.4	1640.4	1210.9	996.2	857.5
115°	1866.6	1896.0	2013.3	2130.6	2013.3	1896.0	1866.6	1556.4	1142.6	935.8	819.1
117.5°	1734.4	1766.9	1897.0	2027.1	1897.0	1766.9	1734.4	1454.3	1081.0	894.3	795.1
120°	1645.3	1676.9	1803.4	1929.8	1803.4	1676.9	1645.3	1389.5	1048.3	877.7	786.9
122.5°	1556.2	1587.3	1712.0	1836.7	1712.0	1587.3	1556.2	1325.8	1018.6	864.9	782.6
125°	1438.3	1467.0	1581.9	1696.8	1581.9	1467.0	1438.3	1242.5	981.6	851.1	779.2
127.5°	1343.7	1367.9	1464.8	1561.7	1464.8	1367.9	1343.7	1175.6	951.5	839.5	777.2
130°	1283.9	1306.3	1395.8	1485.3	1395.8	1306.3	1283.9	1134.3	934.8	835.1	778.5
132.5°	1233.0	1253.1	1333.2	1413.4	1333.2	1253.1	1233.0	1099.1	920.5	831.2	779.2
135°	1161.0	1178.3	1247.4	1316.5	1247.4	1178.3	1161.0	1048.9	899.4	824.6	778.5
137.5°	1107.9	1122.0	1178.6	1235.2	1178.6	1122.0	1107.9	1013.1	886.6	823.4	783.3
140°	1065.3	1078.6	1131.5	1184.3	1131.5	1078.6	1065.3	983.4	874.2	819.6	784.1
142.5°	1035.4	1046.8	1092.3	1137.8	1092.3	1046.8	1035.4	963.5	867.5	819.6	786.9
145°	990.6	999.2	1033.7	1068.1	1033.7	999.2	990.6	931.8	853.3	814.1	786.9
147.5°	953.0	960.1	988.6	1017.1	988.6	960.1	953.0	906.6	845.0	814.1	792.3
150°	931.4	937.2	960.3	983.4	960.3	937.2	931.4	892.3	840.1	814.1	795.1
152.5°	914.2	918.6	936.0	953.5	936.0	918.6	914.2	880.8	836.3	814.1	796.9
155°	893.8	896.6	908.2	919.8	908.2	896.6	893.8	867.2	831.7	814.1	801.0
157.5°	876.0	878.1	886.2	894.3	886.2	878.1	876.0	855.4	827.8	814.1	805.1
160°	867.2	868.3	873.1	877.7	873.1	868.3	867.2	849.5	825.9	814.1	806.9
162.5°	858.9	860.0	864.4	868.9	864.4	860.0	858.9	844.0	824.1	814.1	808.9
165°	846.2	847.4	852.0	856.6	852.0	847.4	846.2	835.5	821.2	814.1	811.7
167.5°	840.7	841.1	843.1	845.0	843.1	841.1	840.7	833.6	824.2	819.6	817.6
170°	840.7	840.7	840.7	840.7	840.7	840.7	840.7	833.6	824.2	819.6	819.5
172.5°	836.2	835.8	834.1	832.4	834.1	835.8	836.2	830.7	823.3	819.6	819.6
175°	830.1	830.1	830.1	830.1	830.1	830.1	830.1	826.7	821.9	819.6	820.7
177.5°	829.0	828.5	826.6	824.6	826.6	828.5	829.0	826.2	822.5	820.7	821.6
180°	824.6	824.6	824.6	824.6	824.6	824.6	824.6	824.6	824.6	824.6	824.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3193.1	3193.1	3193.1	3193.1	3193.1
2.5°	3153.8	3168.9	3178.0	3190.0	3220.2
5°	3032.9	3090.3	3108.5	3153.8	3208.2
7.5°	2767.1	2942.3	2990.6	3099.4	3184.0
10°	2510.3	2685.5	2770.2	3026.9	3153.8
12.5°	2380.4	2483.2	2540.6	2900.0	3111.5
15°	2298.9	2371.4	2413.6	2730.9	3063.2
17.5°	2235.5	2286.8	2317.0	2564.8	2996.7
20°	2196.2	2220.3	2247.5	2443.9	2921.2
22.5°	2169.0	2153.9	2175.0	2359.3	2818.4
25°	2150.9	2093.5	2117.7	2292.9	2697.7
27.5°	2165.9	2039.1	2048.1	2232.4	2570.7
30°	2169.0	1972.6	1975.6	2169.0	2428.8
32.5°	2147.8	1903.2	1906.2	2090.4	2268.7
35°	2096.5	1821.6	1818.5	1999.8	2051.2
37.5°	2027.0	1734.0	1734.0	1900.1	1812.6
40°	1942.4	1646.3	1655.5	1770.2	1601.1
42.5°	1839.7	1552.7	1564.9	1598.1	1444.0
45°	1727.9	1462.1	1471.1	1350.4	1323.1
47.5°	1604.1	1368.5	1371.5	1120.8	1283.9
50°	1456.0	1271.8	1259.7	960.6	1280.8
52.5°	1326.2	1166.0	1129.8	870.0	1163.0
55°	1199.3	1054.3	975.7	800.5	1078.5
57.5°	1087.5	909.3	833.8	719.0	1060.3
60°	984.8	767.3	709.9	631.4	972.7
62.5°	900.2	661.6	649.5	570.9	882.1
65°	809.6	589.0	586.0	519.6	749.2
67.5°	722.0	540.7	537.7	471.2	570.9
70°	628.3	489.4	483.4	419.9	422.9
72.5°	531.6	432.0	426.0	377.6	350.4
75°	435.0	365.5	362.5	329.3	283.9
77.5°	341.3	290.0	296.1	265.8	208.4
80°	244.7	211.5	217.5	190.3	157.1
82.5°	163.2	139.0	145.0	120.9	105.7
85°	90.6	78.6	81.6	63.5	48.3
87.5°	42.3	36.2	36.2	24.2	15.1
90°	24.4	15.5	14.5	10.0	5.5
92.5°	150.2	106.8	97.5	59.8	22.1
95°	369.5	208.1	190.8	122.0	53.1
97.5°	497.7	228.6	213.4	152.6	91.9
100°	544.4	245.7	232.0	176.8	121.8
102.5°	565.7	262.9	250.0	198.6	147.2
105°	581.6	288.3	277.4	234.0	190.4
107.5°	584.6	326.0	315.8	275.3	234.7
110°	580.1	347.0	337.8	301.2	264.6



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CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	580.3	372.4	363.7	328.8	293.9
115°	585.6	410.6	402.6	370.3	338.1
117.5°	596.6	447.7	440.4	411.1	381.9
120°	605.4	469.3	462.4	434.8	407.3
122.5°	618.1	494.8	487.8	460.1	432.2
125°	635.3	527.4	521.0	495.8	470.4
127.5°	652.5	559.0	552.5	527.0	501.4
130°	665.0	579.9	573.1	545.5	518.0
132.5°	675.2	597.2	590.3	562.7	535.1
135°	686.2	617.1	610.8	585.6	560.6
137.5°	702.8	642.5	636.3	611.4	586.6
140°	712.9	659.6	653.9	631.1	608.2
142.5°	721.5	672.4	667.1	646.0	624.8
145°	732.6	691.8	687.1	668.8	650.3
147.5°	748.8	716.1	711.7	693.7	675.7
150°	757.2	728.8	724.8	708.6	692.3
152.5°	762.7	737.1	734.1	721.8	709.5
155°	775.0	755.4	753.1	744.0	734.9
157.5°	787.1	773.6	771.4	762.6	753.7
160°	792.6	781.9	780.2	773.4	766.5
162.5°	798.6	790.9	789.5	784.3	779.2
165°	807.0	803.5	802.4	797.6	793.0
167.5°	813.7	810.8	810.2	808.0	805.8
170°	819.2	819.1	818.5	816.3	814.1
172.5°	819.6	819.6	819.5	819.0	818.5
175°	822.9	824.6	824.6	824.6	824.6
177.5°	823.3	824.6	824.6	824.6	824.6
180°	824.6	824.6	824.6	824.6	824.6



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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	15.11	16.08	15.97	16.96	18.07	17.95	18.92	18.81	19.80	20.91
	3H	15.60	16.46	16.47	17.35	18.49	19.31	20.17	20.18	21.06	22.20
	4H	15.79	16.61	16.68	17.51	18.65	19.76	20.58	20.64	21.47	22.62
	6H	15.92	16.67	16.82	17.58	18.73	20.05	20.80	20.95	21.71	22.87
	8H	15.92	16.64	16.83	17.56	18.72	20.13	20.85	21.03	21.77	22.92
	12H	15.90	16.58	16.81	17.50	18.68	20.17	20.86	21.08	21.77	22.95
4H	2H	16.16	16.98	17.05	17.87	19.02	18.37	19.19	19.26	20.09	21.23
	3H	17.20	17.88	18.10	18.81	19.97	19.89	20.57	20.79	21.50	22.66
	4H	17.48	18.10	18.39	19.02	20.21	20.42	21.05	21.34	21.97	23.16
	6H	17.61	18.14	18.54	19.09	20.28	20.80	21.33	21.73	22.28	23.47
	8H	17.62	18.12	18.55	19.06	20.26	20.91	21.41	21.84	22.35	23.55
	12H	17.59	18.04	18.54	19.00	20.21	20.97	21.42	21.92	22.38	23.59
8H	4H	17.94	18.44	18.87	19.38	20.58	20.56	21.06	21.49	22.00	23.20
	6H	18.21	18.62	19.16	19.60	20.80	21.00	21.41	21.96	22.40	23.60
	8H	18.25	18.62	19.22	19.59	20.81	21.15	21.52	22.12	22.49	23.71
	12H	18.24	18.56	19.21	19.53	20.79	21.26	21.58	22.23	22.55	23.81
12H	4H	17.95	18.40	18.90	19.36	20.57	20.53	20.98	21.48	21.94	23.14
	6H	18.27	18.64	19.24	19.61	20.83	21.00	21.36	21.96	22.34	23.56
	8H	18.34	18.66	19.31	19.63	20.90	21.16	21.49	22.14	22.45	23.72