

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: P934566

Luminaire Tested: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934566
REPORT IS A COMBINATION OF REPORTS P933704 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

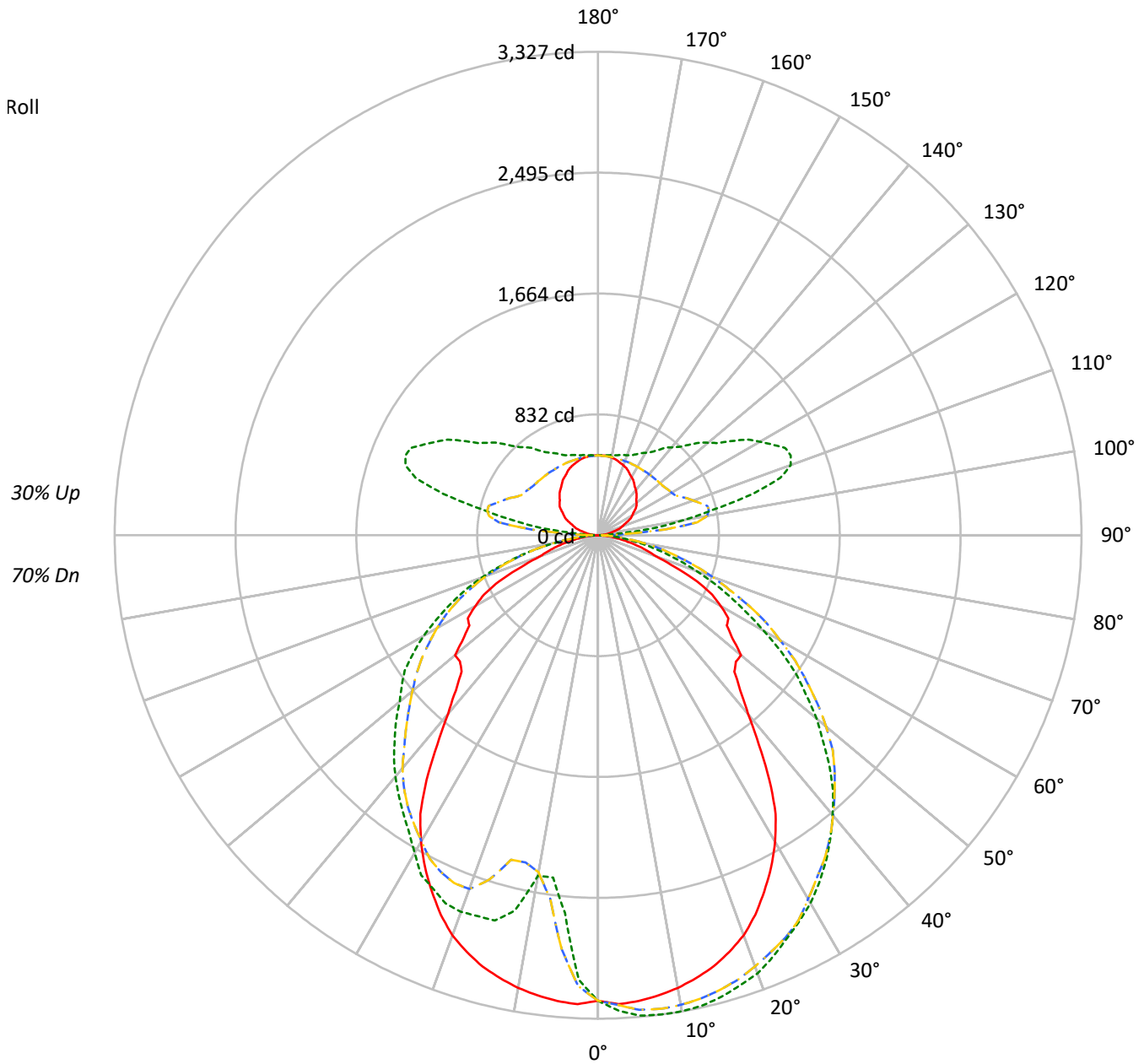
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11871.0 lumens
Efficiency: N/A
Efficacy: 106.0 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): 112
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

TEST NUMBER: P934566
CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-3500K

Luminous Intensity Polar Plot



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



TEST NUMBER: P934566

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-3500K

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
RCR																				
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	70
1	102	98	94	90	97	93	89	86	83	80	78	74	72	70	66	65	63	63	63	59
2	93	86	79	74	88	81	76	71	73	68	65	65	62	59	58	56	53	53	53	50
3	85	75	68	62	80	71	65	59	64	59	54	58	53	50	52	48	45	45	45	42
4	78	67	58	52	73	63	56	50	57	51	46	51	47	43	46	42	39	39	39	36
5	72	60	51	45	67	57	49	43	51	45	40	46	41	37	41	37	34	34	34	31
6	66	53	45	39	62	51	43	38	46	40	35	42	36	32	38	33	30	30	30	27
7	61	48	40	34	58	46	39	33	42	36	31	38	33	29	34	30	27	27	27	24
8	57	44	36	30	54	42	35	29	38	32	28	35	29	26	31	27	24	24	24	22
9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	21	21	21	19
10	49	37	30	25	47	35	28	24	32	26	22	30	25	21	27	23	19	19	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14859	14859	14859	14859
5°	14970	15000	14970	11794
10°	14870	14775	14870	10564
15°	14708	14455	14708	12071
20°	14401	14076	14401	12096
25°	13771	13523	13771	11839
30°	12958	13064	12958	11277
35°	11551	12483	11551	10658
40°	9625	11799	9625	10191
45°	8600	10999	8600	9653
50°	9137	10044	9137	9115
55°	8596	9016	8596	8802
60°	8861	7657	8861	8062
65°	8034	6330	8034	7076
70°	5563	5044	5563	5931
75°	4878	3729	4878	4465
80°	3932	2465	3932	2685
85°	2254	1306	2254	1111

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13181 cd/sqm



TEST NUMBER: P934566

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.1	2.4
10°-20°	820.8	6.9
20°-30°	1268.9	10.7
30°-40°	1514.7	12.8
40°-50°	1523.6	12.8
50°-60°	1325.7	11.2
60°-70°	940.0	7.9
70°-80°	497.3	4.2
80°-90°	126.0	1.1
90°-100°	268.0	2.3
100°-110°	704.7	5.9
110°-120°	730.7	6.2
120°-130°	586.1	4.9
130°-140°	459.9	3.9
140°-150°	353.0	3.0
150°-160°	254.2	2.1
160°-170°	155.5	1.3
170°-180°	52.6	0.4
0°-30°	2378.8	20.0
0°-40°	3893.5	32.8
0°-60°	6742.9	56.8
0°-90°	8306.1	70.0
90°-120°	1703.5	14.4
90°-150°	3102.5	26.1
90°-180°	3565.0	30.0
0°-180°	11871.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3203	3203	3203	3203	3203	
5°	3218	3318	3218	2609	3218	305
15°	3072	3288	3072	2745	3072	864
25°	2706	3066	2706	2685	2706	1242
35°	2057	2736	2057	2336	2057	1273
45°	1327	2254	1327	1978	1327	1063
55°	1082	1664	1082	1624	1082	994
65°	751	1003	751	1121	751	718
75°	285	476	285	570	285	299
85°	48	121	48	103	48	65
90°	4	14	4	14	4	5
95°	36	162	36	162	36	39
105°	127	1104	127	1104	127	135
115°	226	1421	226	1421	226	223
125°	314	1132	314	1132	314	279
135°	374	878	374	878	374	289
145°	434	712	434	712	434	272
155°	490	613	490	613	490	225
165°	529	571	529	571	529	149
175°	550	554	550	554	550	52
180°	550	550	550	550	550	



TEST NUMBER: P934566

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3229.9	3229.9	3248.1	3254.2	3254.2	3245.1	3236.0	3245.1	3272.4	3281.5	3278.5
5°	3217.8	3242.1	3275.4	3281.5	3287.5	3284.5	3278.5	3284.5	3314.8	3320.9	3323.9
7.5°	3193.6	3239.1	3281.5	3290.5	3299.7	3290.5	3287.5	3293.6	3323.9	3329.9	3329.9
10°	3163.3	3227.0	3275.4	3281.5	3290.5	3281.5	3281.5	3293.6	3323.9	3329.9	3333.0
12.5°	3120.9	3208.7	3254.2	3260.3	3272.4	3269.3	3266.4	3278.5	3308.7	3314.8	3314.8
15°	3072.4	3175.4	3217.8	3223.9	3245.1	3239.1	3239.1	3251.1	3284.5	3293.6	3290.5
17.5°	3005.7	3133.0	3181.5	3190.5	3205.8	3202.7	3205.8	3217.8	3248.1	3254.2	3257.2
20°	2930.0	3075.4	3133.0	3142.1	3157.2	3157.2	3157.2	3172.4	3202.7	3214.8	3214.8
22.5°	2826.9	3014.9	3075.4	3081.5	3099.7	3099.7	3105.7	3127.0	3154.2	3157.2	3157.2
25°	2705.8	2948.2	2999.7	3017.8	3036.0	3045.1	3054.3	3066.4	3075.4	3072.4	3075.4
27.5°	2578.5	2863.3	2930.0	2942.1	2966.3	2975.5	2987.6	2990.6	2993.7	3002.7	2996.6
30°	2436.1	2745.2	2845.1	2857.3	2896.7	2902.7	2890.6	2896.7	2911.8	2917.9	2923.9
32.5°	2275.5	2569.5	2757.3	2784.6	2820.9	2802.8	2799.7	2808.8	2833.0	2833.0	2839.1
35°	2057.3	2433.1	2675.5	2699.7	2726.9	2705.8	2717.9	2720.9	2736.1	2745.2	2742.2
37.5°	1818.0	2314.9	2590.7	2608.8	2630.1	2602.8	2620.9	2630.1	2642.2	2636.1	2636.1
40°	1605.9	2130.0	2490.7	2502.8	2520.9	2499.7	2517.9	2524.0	2530.1	2524.0	2520.9
42.5°	1448.3	1927.1	2384.6	2399.7	2387.6	2402.7	2408.8	2420.9	2411.9	2399.7	2399.7
45°	1327.1	1872.5	2269.4	2287.6	2269.4	2293.7	2302.8	2302.8	2275.5	2269.4	2266.4
47.5°	1287.7	1763.4	2154.3	2154.3	2145.3	2175.5	2190.6	2169.4	2142.2	2133.1	2133.1
50°	1284.7	1642.3	1996.7	1984.6	2027.1	2063.4	2048.3	2027.1	2005.9	1972.6	1972.6
52.5°	1166.5	1493.7	1793.8	1839.2	1905.9	1927.1	1902.8	1881.6	1845.2	1830.1	1818.0
55°	1081.7	1339.3	1609.0	1699.8	1769.5	1796.8	1751.3	1730.1	1675.6	1666.5	1660.4
57.5°	1063.5	1115.0	1439.2	1554.4	1639.2	1636.2	1609.0	1569.6	1524.1	1515.0	1512.0
60°	975.6	806.0	1257.5	1393.8	1481.7	1472.6	1448.3	1412.0	1369.6	1363.5	1357.5
62.5°	884.7	584.8	1051.4	1205.9	1330.2	1327.1	1305.9	1251.4	1221.1	1205.9	1193.8
65°	751.4	490.9	748.4	1002.9	1181.7	1187.7	1142.3	1102.9	1069.5	1051.4	1048.4
67.5°	572.6	399.9	506.0	836.3	1039.3	1033.2	975.6	957.4	915.1	906.0	887.8
70°	424.2	266.6	351.5	678.7	899.9	884.7	839.3	818.1	778.7	757.5	745.3
72.5°	351.5	215.1	257.6	527.2	757.5	739.3	700.0	675.7	642.4	624.2	612.0
75°	284.8	227.2	197.0	390.9	615.1	603.0	566.6	542.4	515.1	490.9	493.9
77.5°	209.1	212.1	157.6	287.8	487.9	469.7	448.5	418.1	406.0	381.8	381.8
80°	157.6	166.6	118.2	197.0	351.5	351.5	333.3	312.1	290.9	278.8	278.8
82.5°	106.0	106.0	87.8	124.3	239.4	230.3	218.2	212.1	200.0	193.9	193.9
85°	48.4	60.6	54.5	75.7	130.3	136.4	136.4	130.3	127.2	121.2	124.3
87.5°	15.1	27.3	33.3	42.4	66.7	69.7	72.7	72.7	72.7	75.7	75.7
90°	3.7	6.6	9.6	10.3	16.2	24.1	28.0	24.9	18.7	14.1	14.1
92.5°	14.8	39.8	65.0	71.3	100.2	138.7	157.9	138.4	99.4	70.1	67.3
95°	35.5	81.4	127.3	138.8	246.4	389.9	461.7	412.0	312.6	238.1	229.6
97.5°	61.2	101.7	142.3	152.4	331.9	571.2	690.9	659.5	596.6	549.5	533.4
100°	81.2	117.9	154.6	163.8	363.0	628.6	761.4	763.7	768.3	771.7	752.5
102.5°	98.2	132.5	166.7	175.3	377.3	646.7	781.3	821.4	901.4	961.4	945.0
105°	127.0	156.0	185.1	192.3	387.9	648.7	779.1	868.8	1048.3	1182.9	1174.0
107.5°	156.5	183.5	210.6	217.4	389.8	619.8	734.8	859.9	1110.3	1298.0	1300.2
110°	176.4	200.8	225.4	231.4	387.0	594.2	697.9	837.8	1117.6	1327.5	1336.7



TEST NUMBER: P934566

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	196.0	219.3	242.5	248.4	387.0	571.9	664.3	807.5	1093.9	1308.7	1322.8
115°	225.5	247.0	268.5	273.9	390.6	546.3	624.1	762.1	1037.9	1244.8	1264.4
117.5°	254.6	274.1	293.7	298.6	397.9	530.2	596.4	720.9	969.9	1156.7	1178.3
120°	271.6	290.0	308.4	313.0	403.8	524.8	585.4	699.1	926.6	1097.2	1118.2
122.5°	288.2	306.7	325.3	329.9	412.2	522.0	576.8	679.3	884.2	1037.8	1058.6
125°	313.7	330.5	347.5	351.7	423.7	519.6	567.6	654.7	828.7	959.2	978.4
127.5°	334.4	351.4	368.4	372.7	435.1	518.3	559.8	634.6	784.0	896.1	912.2
130°	345.4	363.8	382.2	386.8	443.4	519.1	556.9	623.4	756.4	856.2	871.1
132.5°	356.9	375.2	393.7	398.2	450.3	519.6	554.4	613.9	733.0	822.3	835.6
135°	373.9	390.6	407.3	411.5	457.6	519.1	549.9	599.8	699.5	774.3	785.8
137.5°	391.3	407.8	424.4	428.5	468.7	522.3	549.2	591.4	675.7	738.9	748.3
140°	405.6	420.9	436.1	440.0	475.5	522.9	546.6	583.0	655.8	710.4	719.2
142.5°	416.7	430.7	444.9	448.4	481.1	524.7	546.6	578.6	642.6	690.6	698.2
145°	433.7	446.0	458.3	461.4	488.6	524.8	542.9	569.1	621.4	660.7	666.4
147.5°	450.6	462.6	474.6	477.6	499.3	528.4	542.9	563.5	604.6	635.5	640.2
150°	461.7	472.5	483.4	486.1	505.0	530.3	542.9	560.3	595.1	621.2	625.0
152.5°	473.2	481.4	489.6	491.6	508.7	531.5	542.9	557.8	587.4	609.7	612.7
155°	490.1	496.2	502.3	503.8	516.9	534.2	542.9	554.7	578.3	596.0	598.0
157.5°	502.6	508.5	514.4	516.0	524.9	536.9	542.9	552.0	570.4	584.2	585.5
160°	511.1	515.8	520.4	521.5	528.7	538.2	542.9	550.8	566.5	578.3	579.1
162.5°	519.6	523.1	526.5	527.4	532.6	539.5	542.9	549.5	562.9	572.8	573.5
165°	528.9	532.0	535.0	535.8	538.2	541.3	542.9	547.7	557.2	564.3	565.1
167.5°	537.4	538.8	540.3	540.7	542.6	545.2	546.6	549.7	556.0	560.6	561.0
170°	542.9	544.3	545.9	546.2	546.3	546.5	546.6	549.7	556.0	560.6	560.6
172.5°	545.9	546.2	546.5	546.6	546.6	546.6	546.6	549.1	554.0	557.7	557.4
175°	549.9	549.9	549.9	549.9	548.8	547.3	546.6	548.1	551.2	553.6	553.6
177.5°	549.9	549.9	549.9	549.9	549.0	547.8	547.3	548.6	551.0	552.9	552.5
180°	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9



TEST NUMBER: P934566

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3284.5	3275.4	3284.5	3278.5	3281.5	3272.4	3245.1	3236.0	3245.1	3254.2	3254.2
5°	3323.9	3317.8	3323.9	3323.9	3320.9	3314.8	3284.5	3278.5	3284.5	3287.5	3281.5
7.5°	3336.0	3326.9	3336.0	3329.9	3329.9	3323.9	3293.6	3287.5	3290.5	3299.7	3290.5
10°	3336.0	3326.9	3336.0	3333.0	3329.9	3323.9	3293.6	3281.5	3281.5	3290.5	3281.5
12.5°	3320.9	3314.8	3320.9	3314.8	3314.8	3308.7	3278.5	3266.4	3269.3	3272.4	3260.3
15°	3296.6	3287.5	3296.6	3290.5	3293.6	3284.5	3251.1	3239.1	3239.1	3245.1	3223.9
17.5°	3260.3	3248.1	3260.3	3257.2	3254.2	3248.1	3217.8	3205.8	3202.7	3205.8	3190.5
20°	3217.8	3208.7	3217.8	3214.8	3214.8	3202.7	3172.4	3157.2	3157.2	3157.2	3142.1
22.5°	3151.1	3142.1	3151.1	3157.2	3157.2	3154.2	3127.0	3105.7	3099.7	3099.7	3081.5
25°	3075.4	3066.4	3075.4	3075.4	3072.4	3075.4	3066.4	3054.3	3045.1	3036.0	3017.8
27.5°	3002.7	2996.6	3002.7	2996.6	3002.7	2993.7	2990.6	2987.6	2975.5	2966.3	2942.1
30°	2930.0	2923.9	2930.0	2923.9	2917.9	2911.8	2896.7	2890.6	2902.7	2896.7	2857.3
32.5°	2839.1	2833.0	2839.1	2839.1	2833.0	2833.0	2808.8	2799.7	2802.8	2820.9	2784.6
35°	2745.2	2736.1	2745.2	2742.2	2745.2	2736.1	2720.9	2717.9	2705.8	2726.9	2699.7
37.5°	2636.1	2627.0	2636.1	2636.1	2636.1	2642.2	2630.1	2620.9	2602.8	2630.1	2608.8
40°	2524.0	2511.9	2524.0	2520.9	2524.0	2530.1	2524.0	2517.9	2499.7	2520.9	2502.8
42.5°	2396.8	2393.7	2396.8	2399.7	2399.7	2411.9	2420.9	2408.8	2402.7	2387.6	2399.7
45°	2260.4	2254.3	2260.4	2266.4	2269.4	2275.5	2302.8	2302.8	2293.7	2269.4	2287.6
47.5°	2114.9	2099.8	2114.9	2133.1	2133.1	2142.2	2169.4	2190.6	2175.5	2145.3	2154.3
50°	1960.4	1963.4	1960.4	1972.6	1972.6	2005.9	2027.1	2048.3	2063.4	2027.1	1984.6
52.5°	1808.9	1805.8	1808.9	1818.0	1830.1	1845.2	1881.6	1902.8	1927.1	1905.9	1839.2
55°	1657.4	1663.5	1657.4	1660.4	1666.5	1675.6	1730.1	1751.3	1796.8	1769.5	1699.8
57.5°	1505.9	1496.8	1505.9	1512.0	1515.0	1524.1	1569.6	1609.0	1636.2	1639.2	1554.4
60°	1330.2	1318.1	1330.2	1357.5	1363.5	1369.6	1412.0	1448.3	1472.6	1481.7	1393.8
62.5°	1175.6	1154.4	1175.6	1193.8	1205.9	1221.1	1251.4	1305.9	1327.1	1330.2	1205.9
65°	1012.0	1002.9	1012.0	1048.4	1051.4	1069.5	1102.9	1142.3	1187.7	1181.7	1002.9
67.5°	863.5	863.5	863.5	887.8	906.0	915.1	957.4	975.6	1033.2	1039.3	836.3
70°	727.2	724.1	727.2	745.3	757.5	778.7	818.1	839.3	884.7	899.9	678.7
72.5°	596.9	593.9	596.9	612.0	624.2	642.4	675.7	700.0	739.3	757.5	527.2
75°	481.8	475.7	481.8	493.9	490.9	515.1	542.4	566.6	603.0	615.1	390.9
77.5°	369.7	369.7	369.7	381.8	381.8	406.0	418.1	448.5	469.7	487.9	287.8
80°	275.8	272.7	275.8	278.8	278.8	290.9	312.1	333.3	351.5	351.5	197.0
82.5°	193.9	187.8	193.9	193.9	193.9	200.0	212.1	218.2	230.3	239.4	124.3
85°	121.2	121.2	121.2	124.3	121.2	127.2	130.3	136.4	136.4	130.3	75.7
87.5°	78.8	75.7	78.8	75.7	75.7	72.7	72.7	72.7	69.7	66.7	42.4
90°	14.1	14.1	14.1	14.1	14.1	18.7	24.9	28.0	24.1	16.2	10.3
92.5°	56.1	45.0	56.1	67.3	70.1	99.4	138.4	157.9	138.7	100.2	71.3
95°	195.8	162.1	195.8	229.6	238.1	312.6	412.0	461.7	389.9	246.4	138.8
97.5°	469.1	404.9	469.1	533.4	549.5	596.6	659.5	690.9	571.2	331.9	152.4
100°	676.0	599.3	676.0	752.5	771.7	768.3	763.7	761.4	628.6	363.0	163.8
102.5°	879.4	813.7	879.4	945.0	961.4	901.4	821.4	781.3	646.7	377.3	175.3
105°	1138.7	1103.5	1138.7	1174.0	1182.9	1048.3	868.8	779.1	648.7	387.9	192.3
107.5°	1308.7	1317.2	1308.7	1300.2	1298.0	1110.3	859.9	734.8	619.8	389.8	217.4
110°	1373.4	1410.2	1373.4	1336.7	1327.5	1117.6	837.8	697.9	594.2	387.0	231.4



TEST NUMBER: P934566

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1379.2	1435.6	1379.2	1322.8	1308.7	1093.9	807.5	664.3	571.9	387.0	248.4
115°	1342.6	1420.9	1342.6	1264.4	1244.8	1037.9	762.1	624.1	546.3	390.6	273.9
117.5°	1265.2	1351.9	1265.2	1178.3	1156.7	969.9	720.9	596.4	530.2	397.9	298.6
120°	1202.6	1286.9	1202.6	1118.2	1097.2	926.6	699.1	585.4	524.8	403.8	313.0
122.5°	1141.8	1225.0	1141.8	1058.6	1037.8	884.2	679.3	576.8	522.0	412.2	329.9
125°	1054.9	1131.6	1054.9	978.4	959.2	828.7	654.7	567.6	519.6	423.7	351.7
127.5°	976.9	1041.5	976.9	912.2	896.1	784.0	634.6	559.8	518.3	435.1	372.7
130°	930.9	990.6	930.9	871.1	856.2	756.4	623.4	556.9	519.1	443.4	386.8
132.5°	889.1	942.6	889.1	835.6	822.3	733.0	613.9	554.4	519.6	450.3	398.2
135°	831.9	878.0	831.9	785.8	774.3	699.5	599.8	549.9	519.1	457.6	411.5
137.5°	786.1	823.8	786.1	748.3	738.9	675.7	591.4	549.2	522.3	468.7	428.5
140°	754.5	789.8	754.5	719.2	710.4	655.8	583.0	546.6	522.9	475.5	440.0
142.5°	728.4	758.8	728.4	698.2	690.6	642.6	578.6	546.6	524.7	481.1	448.4
145°	689.4	712.3	689.4	666.4	660.7	621.4	569.1	542.9	524.8	488.6	461.4
147.5°	659.3	678.4	659.3	640.2	635.5	604.6	563.5	542.9	528.4	499.3	477.6
150°	640.4	655.8	640.4	625.0	621.2	595.1	560.3	542.9	530.3	505.0	486.1
152.5°	624.3	635.9	624.3	612.7	609.7	587.4	557.8	542.9	531.5	508.7	491.6
155°	605.7	613.4	605.7	598.0	596.0	578.3	554.7	542.9	534.2	516.9	503.8
157.5°	591.0	596.4	591.0	585.5	584.2	570.4	552.0	542.9	536.9	524.9	516.0
160°	582.2	585.4	582.2	579.1	578.3	566.5	550.8	542.9	538.2	528.7	521.5
162.5°	576.5	579.4	576.5	573.5	572.8	562.9	549.5	542.9	539.5	532.6	527.4
165°	568.2	571.3	568.2	565.1	564.3	557.2	547.7	542.9	541.3	538.2	535.8
167.5°	562.3	563.6	562.3	561.0	560.6	556.0	549.7	546.6	545.2	542.6	540.7
170°	560.6	560.6	560.6	560.6	560.6	556.0	549.7	546.6	546.5	546.3	546.2
172.5°	556.3	555.1	556.3	557.4	557.7	554.0	549.1	546.6	546.6	546.6	546.6
175°	553.6	553.6	553.6	553.6	553.6	551.2	548.1	546.6	547.3	548.8	549.9
177.5°	551.2	549.9	551.2	552.5	552.9	551.0	548.6	547.3	547.8	549.0	549.9
180°	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9



TEST NUMBER: P934566

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3248.1	3229.9	3229.9	3199.7	3187.6	3178.4	3163.3	3117.8	3105.7	3093.6	3111.8
5°	3275.4	3242.1	3217.8	3163.3	3117.8	3099.7	3042.1	2933.0	2860.3	2805.7	2775.5
7.5°	3281.5	3239.1	3193.6	3108.8	2999.7	2951.2	2775.5	2575.5	2520.9	2472.5	2442.1
10°	3275.4	3227.0	3163.3	3036.0	2778.5	2693.6	2517.9	2387.6	2354.3	2345.2	2354.3
12.5°	3254.2	3208.7	3120.9	2908.8	2548.2	2490.7	2387.6	2311.9	2305.8	2321.0	2402.7
15°	3217.8	3175.4	3072.4	2739.1	2420.9	2378.6	2305.8	2278.6	2311.9	2418.0	2663.4
17.5°	3181.5	3133.0	3005.7	2572.5	2324.0	2293.7	2242.2	2296.7	2484.6	2627.0	2708.8
20°	3133.0	3075.4	2930.0	2451.3	2254.3	2227.0	2202.8	2448.2	2590.7	2642.2	2687.6
22.5°	3075.4	3014.9	2826.9	2366.4	2181.6	2160.4	2175.5	2533.1	2590.7	2627.0	2666.4
25°	2999.7	2948.2	2705.8	2299.8	2124.0	2099.8	2157.3	2524.0	2557.3	2566.4	2645.2
27.5°	2930.0	2863.3	2578.5	2239.2	2054.3	2045.3	2172.5	2484.6	2508.8	2517.9	2602.8
30°	2845.1	2745.2	2436.1	2175.5	1981.6	1978.5	2175.5	2436.1	2430.1	2454.3	2539.1
32.5°	2757.3	2569.5	2275.5	2096.7	1911.9	1908.9	2154.3	2363.4	2357.4	2390.7	2454.3
35°	2675.5	2433.1	2057.3	2005.9	1824.0	1827.1	2102.8	2278.6	2281.6	2311.9	2351.3
37.5°	2590.7	2314.9	1818.0	1905.9	1739.2	1739.2	2033.1	2199.8	2193.7	2202.8	2257.4
40°	2490.7	2130.0	1605.9	1775.6	1660.4	1651.3	1948.3	2114.9	2093.7	2090.7	2166.5
42.5°	2384.6	1927.1	1448.3	1602.9	1569.6	1557.4	1845.2	2011.9	1972.6	1981.6	2078.6
45°	2269.4	1872.5	1327.1	1354.4	1475.6	1466.5	1733.1	1893.8	1866.5	1890.7	1990.7
47.5°	2154.3	1763.4	1287.7	1124.2	1375.6	1372.6	1609.0	1778.6	1763.4	1787.7	1893.8
50°	1996.7	1642.3	1284.7	963.5	1263.5	1275.6	1460.4	1666.5	1666.5	1687.7	1799.8
52.5°	1793.8	1493.7	1166.5	872.7	1133.2	1169.5	1330.2	1569.6	1575.6	1596.8	1696.8
55°	1609.0	1339.3	1081.7	802.9	978.7	1057.5	1202.9	1469.6	1481.7	1502.9	1593.7
57.5°	1439.2	1115.0	1063.5	721.2	836.3	912.1	1090.8	1372.6	1378.6	1396.9	1484.7
60°	1257.5	806.0	975.6	633.3	712.0	769.6	987.8	1257.5	1278.7	1290.8	1366.5
62.5°	1051.4	584.8	884.7	572.6	651.4	663.6	902.9	1148.3	1175.6	1184.8	1230.2
65°	748.4	490.9	751.4	521.2	587.8	590.8	812.0	1036.2	1060.5	1075.6	1108.9
67.5°	506.0	399.9	572.6	472.6	539.3	542.4	724.1	906.0	939.3	951.4	972.7
70°	351.5	266.6	424.2	421.2	484.8	490.9	630.2	787.8	818.1	827.2	839.3
72.5°	257.6	215.1	351.5	378.7	427.2	433.3	533.2	654.5	684.7	693.9	700.0
75°	197.0	227.2	284.8	330.3	363.6	366.6	436.3	533.2	554.5	560.6	563.6
77.5°	157.6	212.1	209.1	266.6	297.0	290.9	342.4	412.1	430.3	430.3	430.3
80°	118.2	166.6	157.6	190.9	218.2	212.1	245.4	293.9	299.9	306.0	303.0
82.5°	87.8	106.0	106.0	121.2	145.4	139.4	163.7	190.9	190.9	190.9	197.0
85°	54.5	60.6	48.4	63.7	81.8	78.8	90.9	103.1	106.0	106.0	100.0
87.5°	33.3	27.3	15.1	24.3	36.3	36.3	42.4	45.5	42.4	42.4	42.4
90°	9.6	6.6	3.7	6.6	9.6	10.3	16.2	24.1	28.0	24.9	18.7
92.5°	65.0	39.8	14.8	39.8	65.0	71.3	100.2	138.7	157.9	138.4	99.4
95°	127.3	81.4	35.5	81.4	127.3	138.8	246.4	389.9	461.7	412.0	312.6
97.5°	142.3	101.7	61.2	101.7	142.3	152.4	331.9	571.2	690.9	659.5	596.6
100°	154.6	117.9	81.2	117.9	154.6	163.8	363.0	628.6	761.4	763.7	768.3
102.5°	166.7	132.5	98.2	132.5	166.7	175.3	377.3	646.7	781.3	821.4	901.4
105°	185.1	156.0	127.0	156.0	185.1	192.3	387.9	648.7	779.1	868.8	1048.3
107.5°	210.6	183.5	156.5	183.5	210.6	217.4	389.8	619.8	734.8	859.9	1110.3
110°	225.4	200.8	176.4	200.8	225.4	231.4	387.0	594.2	697.9	837.8	1117.6



TEST NUMBER: P934566

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	242.5	219.3	196.0	219.3	242.5	248.4	387.0	571.9	664.3	807.5	1093.9
115°	268.5	247.0	225.5	247.0	268.5	273.9	390.6	546.3	624.1	762.1	1037.9
117.5°	293.7	274.1	254.6	274.1	293.7	298.6	397.9	530.2	596.4	720.9	969.9
120°	308.4	290.0	271.6	290.0	308.4	313.0	403.8	524.8	585.4	699.1	926.6
122.5°	325.3	306.7	288.2	306.7	325.3	329.9	412.2	522.0	576.8	679.3	884.2
125°	347.5	330.5	313.7	330.5	347.5	351.7	423.7	519.6	567.6	654.7	828.7
127.5°	368.4	351.4	334.4	351.4	368.4	372.7	435.1	518.3	559.8	634.6	784.0
130°	382.2	363.8	345.4	363.8	382.2	386.8	443.4	519.1	556.9	623.4	756.4
132.5°	393.7	375.2	356.9	375.2	393.7	398.2	450.3	519.6	554.4	613.9	733.0
135°	407.3	390.6	373.9	390.6	407.3	411.5	457.6	519.1	549.9	599.8	699.5
137.5°	424.4	407.8	391.3	407.8	424.4	428.5	468.7	522.3	549.2	591.4	675.7
140°	436.1	420.9	405.6	420.9	436.1	440.0	475.5	522.9	546.6	583.0	655.8
142.5°	444.9	430.7	416.7	430.7	444.9	448.4	481.1	524.7	546.6	578.6	642.6
145°	458.3	446.0	433.7	446.0	458.3	461.4	488.6	524.8	542.9	569.1	621.4
147.5°	474.6	462.6	450.6	462.6	474.6	477.6	499.3	528.4	542.9	563.5	604.6
150°	483.4	472.5	461.7	472.5	483.4	486.1	505.0	530.3	542.9	560.3	595.1
152.5°	489.6	481.4	473.2	481.4	489.6	491.6	508.7	531.5	542.9	557.8	587.4
155°	502.3	496.2	490.1	496.2	502.3	503.8	516.9	534.2	542.9	554.7	578.3
157.5°	514.4	508.5	502.6	508.5	514.4	516.0	524.9	536.9	542.9	552.0	570.4
160°	520.4	515.8	511.1	515.8	520.4	521.5	528.7	538.2	542.9	550.8	566.5
162.5°	526.5	523.1	519.6	523.1	526.5	527.4	532.6	539.5	542.9	549.5	562.9
165°	535.0	532.0	528.9	532.0	535.0	535.8	538.2	541.3	542.9	547.7	557.2
167.5°	540.3	538.8	537.4	538.8	540.3	540.7	542.6	545.2	546.6	549.7	556.0
170°	545.9	544.3	542.9	544.3	545.9	546.2	546.3	546.5	546.6	549.7	556.0
172.5°	546.5	546.2	545.9	546.2	546.5	546.6	546.6	546.6	546.6	549.1	554.0
175°	549.9	549.9	549.9	549.9	549.9	549.9	548.8	547.3	546.6	548.1	551.2
177.5°	549.9	549.9	549.9	549.9	549.9	549.9	549.0	547.8	547.3	548.6	551.0
180°	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9



TEST NUMBER: P934566

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3090.6	3081.5	3093.6	3060.3	3093.6	3081.5	3090.6	3111.8	3093.6	3105.7	3117.8
5°	2711.8	2696.7	2648.2	2608.8	2648.2	2696.7	2711.8	2775.5	2805.7	2860.3	2933.0
7.5°	2424.0	2411.9	2399.7	2375.5	2399.7	2411.9	2424.0	2442.1	2472.5	2520.9	2575.5
10°	2360.4	2363.4	2381.5	2378.6	2381.5	2363.4	2360.4	2354.3	2345.2	2354.3	2387.6
12.5°	2524.0	2551.3	2651.2	2645.2	2651.2	2551.3	2524.0	2402.7	2321.0	2305.8	2311.9
15°	2711.8	2720.9	2742.2	2745.2	2742.2	2720.9	2711.8	2663.4	2418.0	2311.9	2278.6
17.5°	2730.0	2733.0	2748.2	2748.2	2748.2	2733.0	2730.0	2708.8	2627.0	2484.6	2296.7
20°	2714.9	2720.9	2751.2	2757.3	2751.2	2720.9	2714.9	2687.6	2642.2	2590.7	2448.2
22.5°	2708.8	2720.9	2745.2	2742.2	2745.2	2720.9	2708.8	2666.4	2627.0	2590.7	2533.1
25°	2678.5	2678.5	2681.5	2684.6	2681.5	2678.5	2678.5	2645.2	2566.4	2557.3	2524.0
27.5°	2614.8	2620.9	2639.1	2636.1	2639.1	2620.9	2614.8	2602.8	2517.9	2508.8	2484.6
30°	2557.3	2551.3	2536.1	2524.0	2536.1	2551.3	2557.3	2539.1	2454.3	2430.1	2436.1
32.5°	2460.3	2445.2	2430.1	2420.9	2430.1	2445.2	2460.3	2454.3	2390.7	2357.4	2363.4
35°	2345.2	2348.2	2345.2	2336.1	2345.2	2348.2	2345.2	2351.3	2311.9	2281.6	2278.6
37.5°	2263.4	2269.4	2266.4	2254.3	2266.4	2269.4	2263.4	2257.4	2202.8	2193.7	2199.8
40°	2178.6	2181.6	2178.6	2169.4	2178.6	2181.6	2178.6	2166.5	2090.7	2093.7	2114.9
42.5°	2096.7	2093.7	2084.6	2078.6	2084.6	2093.7	2096.7	2078.6	1981.6	1972.6	2011.9
45°	2002.8	2005.9	1987.7	1978.5	1987.7	2005.9	2002.8	1990.7	1890.7	1866.5	1893.8
47.5°	1908.9	1908.9	1893.8	1884.6	1893.8	1908.9	1908.9	1893.8	1787.7	1763.4	1778.6
50°	1808.9	1805.8	1784.6	1781.7	1784.6	1805.8	1808.9	1799.8	1687.7	1666.5	1666.5
52.5°	1693.8	1693.8	1696.8	1702.9	1696.8	1693.8	1693.8	1696.8	1596.8	1575.6	1569.6
55°	1593.7	1596.8	1618.0	1624.1	1618.0	1596.8	1593.7	1593.7	1502.9	1481.7	1469.6
57.5°	1490.8	1490.8	1505.9	1505.9	1505.9	1490.8	1490.8	1484.7	1396.9	1378.6	1372.6
60°	1372.6	1378.6	1390.8	1387.7	1390.8	1378.6	1372.6	1366.5	1290.8	1278.7	1257.5
62.5°	1248.3	1254.4	1257.5	1251.4	1257.5	1254.4	1248.3	1230.2	1184.8	1175.6	1148.3
65°	1118.1	1124.2	1127.2	1121.1	1127.2	1124.2	1118.1	1108.9	1075.6	1060.5	1036.2
67.5°	984.8	981.7	978.7	990.8	978.7	981.7	984.8	972.7	951.4	939.3	906.0
70°	848.4	848.4	845.4	851.4	845.4	848.4	848.4	839.3	827.2	818.1	787.8
72.5°	703.0	700.0	712.0	703.0	712.0	700.0	703.0	700.0	693.9	684.7	654.5
75°	560.6	566.6	560.6	569.6	560.6	566.6	560.6	563.6	560.6	554.5	533.2
77.5°	427.2	433.3	427.2	427.2	427.2	433.3	427.2	430.3	430.3	430.3	412.1
80°	303.0	299.9	299.9	297.0	299.9	299.9	303.0	303.0	306.0	299.9	293.9
82.5°	193.9	190.9	190.9	197.0	190.9	190.9	193.9	197.0	190.9	190.9	190.9
85°	106.0	109.0	103.1	103.1	103.1	109.0	106.0	100.0	106.0	106.0	103.1
87.5°	39.4	36.3	36.3	36.3	36.3	36.3	39.4	42.4	42.4	42.4	45.5
90°	14.1	14.1	14.1	14.1	14.1	14.1	14.1	18.7	24.9	28.0	24.1
92.5°	70.1	67.3	56.1	45.0	56.1	67.3	70.1	99.4	138.4	157.9	138.7
95°	238.1	229.6	195.8	162.1	195.8	229.6	238.1	312.6	412.0	461.7	389.9
97.5°	549.5	533.4	469.1	404.9	469.1	533.4	549.5	596.6	659.5	690.9	571.2
100°	771.7	752.5	676.0	599.3	676.0	752.5	771.7	768.3	763.7	761.4	628.6
102.5°	961.4	945.0	879.4	813.7	879.4	945.0	961.4	901.4	821.4	781.3	646.7
105°	1182.9	1174.0	1138.7	1103.5	1138.7	1174.0	1182.9	1048.3	868.8	779.1	648.7
107.5°	1298.0	1300.2	1308.7	1317.2	1308.7	1300.2	1298.0	1110.3	859.9	734.8	619.8
110°	1327.5	1336.7	1373.4	1410.2	1373.4	1336.7	1327.5	1117.6	837.8	697.9	594.2



TEST NUMBER: P934566

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1308.7	1322.8	1379.2	1435.6	1379.2	1322.8	1308.7	1093.9	807.5	664.3	571.9
115°	1244.8	1264.4	1342.6	1420.9	1342.6	1264.4	1244.8	1037.9	762.1	624.1	546.3
117.5°	1156.7	1178.3	1265.2	1351.9	1265.2	1178.3	1156.7	969.9	720.9	596.4	530.2
120°	1097.2	1118.2	1202.6	1286.9	1202.6	1118.2	1097.2	926.6	699.1	585.4	524.8
122.5°	1037.8	1058.6	1141.8	1225.0	1141.8	1058.6	1037.8	884.2	679.3	576.8	522.0
125°	959.2	978.4	1054.9	1131.6	1054.9	978.4	959.2	828.7	654.7	567.6	519.6
127.5°	896.1	912.2	976.9	1041.5	976.9	912.2	896.1	784.0	634.6	559.8	518.3
130°	856.2	871.1	930.9	990.6	930.9	871.1	856.2	756.4	623.4	556.9	519.1
132.5°	822.3	835.6	889.1	942.6	889.1	835.6	822.3	733.0	613.9	554.4	519.6
135°	774.3	785.8	831.9	878.0	831.9	785.8	774.3	699.5	599.8	549.9	519.1
137.5°	738.9	748.3	786.1	823.8	786.1	748.3	738.9	675.7	591.4	549.2	522.3
140°	710.4	719.2	754.5	789.8	754.5	719.2	710.4	655.8	583.0	546.6	522.9
142.5°	690.6	698.2	728.4	758.8	728.4	698.2	690.6	642.6	578.6	546.6	524.7
145°	660.7	666.4	689.4	712.3	689.4	666.4	660.7	621.4	569.1	542.9	524.8
147.5°	635.5	640.2	659.3	678.4	659.3	640.2	635.5	604.6	563.5	542.9	528.4
150°	621.2	625.0	640.4	655.8	640.4	625.0	621.2	595.1	560.3	542.9	530.3
152.5°	609.7	612.7	624.3	635.9	624.3	612.7	609.7	587.4	557.8	542.9	531.5
155°	596.0	598.0	605.7	613.4	605.7	598.0	596.0	578.3	554.7	542.9	534.2
157.5°	584.2	585.5	591.0	596.4	591.0	585.5	584.2	570.4	552.0	542.9	536.9
160°	578.3	579.1	582.2	585.4	582.2	579.1	578.3	566.5	550.8	542.9	538.2
162.5°	572.8	573.5	576.5	579.4	576.5	573.5	572.8	562.9	549.5	542.9	539.5
165°	564.3	565.1	568.2	571.3	568.2	565.1	564.3	557.2	547.7	542.9	541.3
167.5°	560.6	561.0	562.3	563.6	562.3	561.0	560.6	556.0	549.7	546.6	545.2
170°	560.6	560.6	560.6	560.6	560.6	560.6	560.6	556.0	549.7	546.6	546.5
172.5°	557.7	557.4	556.3	555.1	556.3	557.4	557.7	554.0	549.1	546.6	546.6
175°	553.6	553.6	553.6	553.6	553.6	553.6	553.6	551.2	548.1	546.6	547.3
177.5°	552.9	552.5	551.2	549.9	551.2	552.5	552.9	551.0	548.6	547.3	547.8
180°	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9	549.9



TEST NUMBER: P934566

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3163.3	3178.4	3187.6	3199.7	3229.9
5°	3042.1	3099.7	3117.8	3163.3	3217.8
7.5°	2775.5	2951.2	2999.7	3108.8	3193.6
10°	2517.9	2693.6	2778.5	3036.0	3163.3
12.5°	2387.6	2490.7	2548.2	2908.8	3120.9
15°	2305.8	2378.6	2420.9	2739.1	3072.4
17.5°	2242.2	2293.7	2324.0	2572.5	3005.7
20°	2202.8	2227.0	2254.3	2451.3	2930.0
22.5°	2175.5	2160.4	2181.6	2366.4	2826.9
25°	2157.3	2099.8	2124.0	2299.8	2705.8
27.5°	2172.5	2045.3	2054.3	2239.2	2578.5
30°	2175.5	1978.5	1981.6	2175.5	2436.1
32.5°	2154.3	1908.9	1911.9	2096.7	2275.5
35°	2102.8	1827.1	1824.0	2005.9	2057.3
37.5°	2033.1	1739.2	1739.2	1905.9	1818.0
40°	1948.3	1651.3	1660.4	1775.6	1605.9
42.5°	1845.2	1557.4	1569.6	1602.9	1448.3
45°	1733.1	1466.5	1475.6	1354.4	1327.1
47.5°	1609.0	1372.6	1375.6	1124.2	1287.7
50°	1460.4	1275.6	1263.5	963.5	1284.7
52.5°	1330.2	1169.5	1133.2	872.7	1166.5
55°	1202.9	1057.5	978.7	802.9	1081.7
57.5°	1090.8	912.1	836.3	721.2	1063.5
60°	987.8	769.6	712.0	633.3	975.6
62.5°	902.9	663.6	651.4	572.6	884.7
65°	812.0	590.8	587.8	521.2	751.4
67.5°	724.1	542.4	539.3	472.6	572.6
70°	630.2	490.9	484.8	421.2	424.2
72.5°	533.2	433.3	427.2	378.7	351.5
75°	436.3	366.6	363.6	330.3	284.8
77.5°	342.4	290.9	297.0	266.6	209.1
80°	245.4	212.1	218.2	190.9	157.6
82.5°	163.7	139.4	145.4	121.2	106.0
85°	90.9	78.8	81.8	63.7	48.4
87.5°	42.4	36.3	36.3	24.3	15.1
90°	16.2	10.3	9.6	6.6	3.7
92.5°	100.2	71.3	65.0	39.8	14.8
95°	246.4	138.8	127.3	81.4	35.5
97.5°	331.9	152.4	142.3	101.7	61.2
100°	363.0	163.8	154.6	117.9	81.2
102.5°	377.3	175.3	166.7	132.5	98.2
105°	387.9	192.3	185.1	156.0	127.0
107.5°	389.8	217.4	210.6	183.5	156.5
110°	387.0	231.4	225.4	200.8	176.4



TEST NUMBER: P934566

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	387.0	248.4	242.5	219.3	196.0
115°	390.6	273.9	268.5	247.0	225.5
117.5°	397.9	298.6	293.7	274.1	254.6
120°	403.8	313.0	308.4	290.0	271.6
122.5°	412.2	329.9	325.3	306.7	288.2
125°	423.7	351.7	347.5	330.5	313.7
127.5°	435.1	372.7	368.4	351.4	334.4
130°	443.4	386.8	382.2	363.8	345.4
132.5°	450.3	398.2	393.7	375.2	356.9
135°	457.6	411.5	407.3	390.6	373.9
137.5°	468.7	428.5	424.4	407.8	391.3
140°	475.5	440.0	436.1	420.9	405.6
142.5°	481.1	448.4	444.9	430.7	416.7
145°	488.6	461.4	458.3	446.0	433.7
147.5°	499.3	477.6	474.6	462.6	450.6
150°	505.0	486.1	483.4	472.5	461.7
152.5°	508.7	491.6	489.6	481.4	473.2
155°	516.9	503.8	502.3	496.2	490.1
157.5°	524.9	516.0	514.4	508.5	502.6
160°	528.7	521.5	520.4	515.8	511.1
162.5°	532.6	527.4	526.5	523.1	519.6
165°	538.2	535.8	535.0	532.0	528.9
167.5°	542.6	540.7	540.3	538.8	537.4
170°	546.3	546.2	545.9	544.3	542.9
172.5°	546.6	546.6	546.5	546.2	545.9
175°	548.8	549.9	549.9	549.9	549.9
177.5°	549.0	549.9	549.9	549.9	549.9
180°	549.9	549.9	549.9	549.9	549.9



TEST NUMBER: P934566
 CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-3500K

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	15.85	16.92	16.61	17.71	18.67	18.69	19.76	19.45	20.55	21.50
	3H	16.34	17.31	17.12	18.10	19.09	20.05	21.02	20.83	21.81	22.80
	4H	16.54	17.45	17.34	18.26	19.26	20.51	21.42	21.30	22.22	23.22
	6H	16.67	17.51	17.48	18.33	19.34	20.81	21.65	21.61	22.46	23.47
	8H	16.68	17.48	17.50	18.31	19.32	20.89	21.69	21.71	22.52	23.53
	12H	16.66	17.42	17.48	18.25	19.29	20.93	21.70	21.76	22.52	23.56
4H	2H	16.91	17.82	17.71	18.63	19.62	19.12	20.03	19.92	20.84	21.83
	3H	17.96	18.72	18.77	19.56	20.57	20.65	21.41	21.46	22.25	23.26
	4H	18.24	18.93	19.07	19.77	20.81	21.19	21.88	22.02	22.72	23.76
	6H	18.38	18.98	19.22	19.84	20.88	21.57	22.17	22.41	23.03	24.07
	8H	18.39	18.95	19.24	19.81	20.86	21.68	22.24	22.53	23.10	24.15
	12H	18.37	18.87	19.23	19.75	20.81	21.75	22.25	22.62	23.13	24.19
8H	4H	18.71	19.27	19.56	20.13	21.19	21.33	21.89	22.18	22.75	23.80
	6H	18.98	19.45	19.86	20.35	21.40	21.78	22.24	22.65	23.14	24.20
	8H	19.03	19.44	19.91	20.33	21.41	21.93	22.34	22.82	23.24	24.31
	12H	19.02	19.38	19.91	20.27	21.40	22.04	22.40	22.93	23.29	24.42
12H	4H	18.73	19.23	19.60	20.11	21.17	21.31	21.81	22.17	22.69	23.75
	6H	19.05	19.46	19.93	20.35	21.43	21.78	22.19	22.66	23.08	24.16
	8H	19.12	19.49	20.01	20.37	21.50	21.95	22.31	22.84	23.20	24.32