

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: P934568

Luminaire Tested: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934568
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-8-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

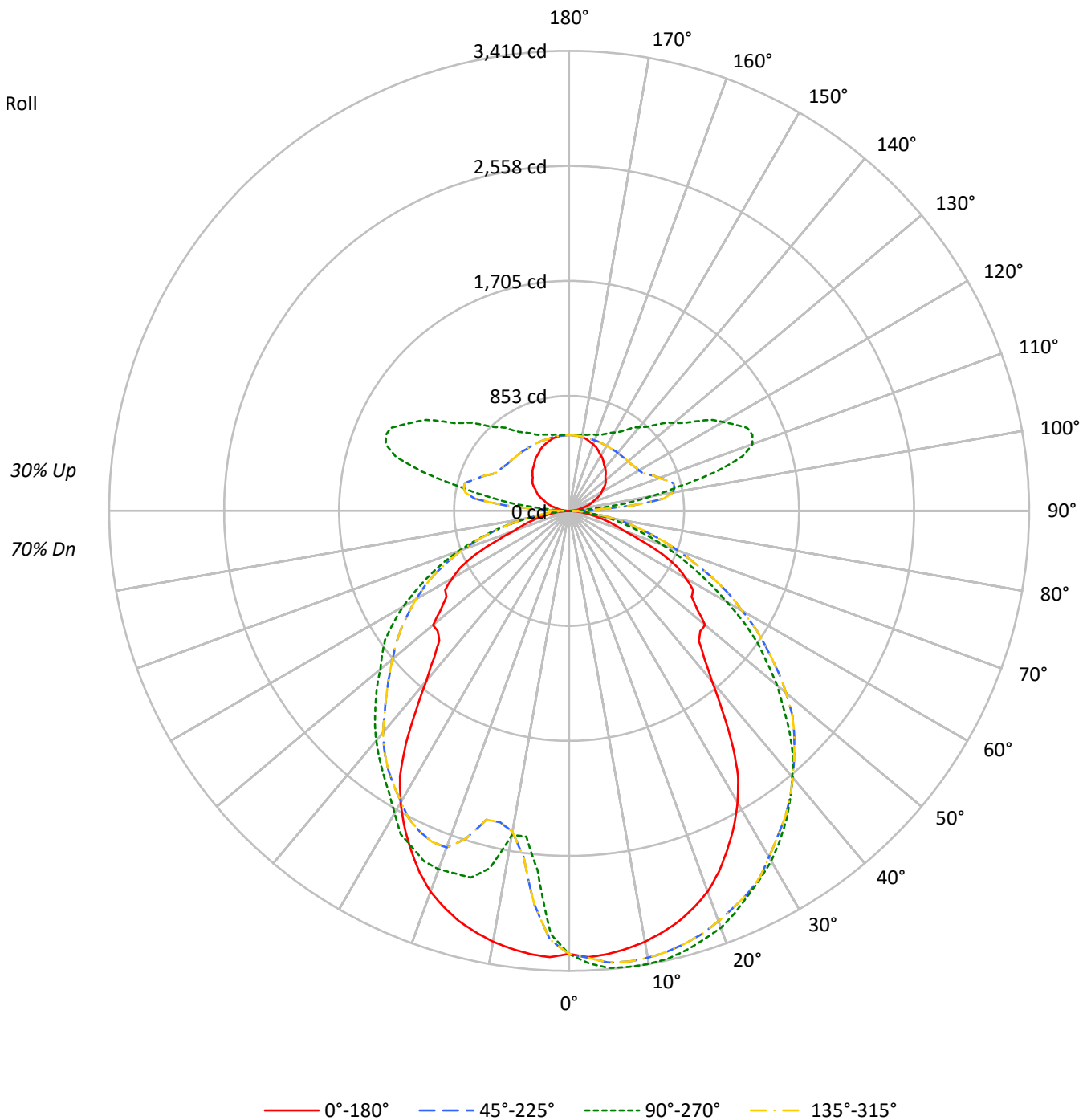
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12167.8 lumens
Efficiency: N/A
Efficacy: 108.6 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: P934568
CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P934568

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-5000K

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15231	15231	15231	15231
5°	15345	15375	15345	12089
10°	15242	15145	15242	10828
15°	15076	14817	15076	12372
20°	14761	14428	14761	12398
25°	14116	13861	14116	12135
30°	13282	13390	13282	11559
35°	11840	12795	11840	10925
40°	9866	12094	9866	10446
45°	8815	11274	8815	9895
50°	9365	10295	9365	9342
55°	8812	9241	8812	9022
60°	9083	7849	9083	8263
65°	8235	6488	8235	7252
70°	5702	5170	5702	6079
75°	4999	3822	4999	4576
80°	4029	2527	4029	2752
85°	2310	1339	2310	1138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13511 cd/sqm



TEST NUMBER: P934568

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.3	2.4
10°-20°	841.4	6.9
20°-30°	1300.6	10.7
30°-40°	1552.6	12.8
40°-50°	1561.7	12.8
50°-60°	1358.9	11.2
60°-70°	963.5	7.9
70°-80°	509.7	4.2
80°-90°	129.1	1.1
90°-100°	274.8	2.3
100°-110°	722.3	5.9
110°-120°	749.0	6.2
120°-130°	600.8	4.9
130°-140°	471.4	3.9
140°-150°	361.8	3.0
150°-160°	260.6	2.1
160°-170°	159.4	1.3
170°-180°	53.9	0.4
0°-30°	2438.3	20.0
0°-40°	3990.9	32.8
0°-60°	6911.5	56.8
0°-90°	8513.8	70.0
90°-120°	1746.1	14.4
90°-150°	3180.1	26.1
90°-180°	3654.0	30.0
0°-180°	12167.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3283	3283	3283	3283	3283	
5°	3298	3401	3298	2674	3298	313
15°	3149	3370	3149	2814	3149	886
25°	2774	3143	2774	2752	2774	1273
35°	2109	2804	2109	2394	2109	1305
45°	1360	2311	1360	2028	1360	1090
55°	1109	1705	1109	1665	1109	1019
65°	770	1028	770	1149	770	736
75°	292	488	292	584	292	307
85°	50	124	50	106	50	67
90°	4	14	4	14	4	5
95°	36	166	36	166	36	40
105°	130	1131	130	1131	130	138
115°	231	1456	231	1456	231	228
125°	322	1160	322	1160	322	285
135°	383	900	383	900	383	296
145°	444	730	444	730	444	278
155°	502	629	502	629	502	231
165°	542	586	542	586	542	153
175°	564	567	564	567	564	54
180°	564	564	564	564	564	



TEST NUMBER: P934568

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8
2.5°	3310.7	3310.7	3329.3	3335.5	3335.5	3326.3	3316.9	3326.3	3354.2	3363.5	3360.4
5°	3298.3	3323.2	3357.3	3363.5	3369.7	3366.7	3360.4	3366.7	3397.7	3403.9	3407.0
7.5°	3273.4	3320.0	3363.5	3372.8	3382.2	3372.8	3369.7	3375.9	3407.0	3413.2	3413.2
10°	3242.4	3307.6	3357.3	3363.5	3372.8	3363.5	3363.5	3375.9	3407.0	3413.2	3416.3
12.5°	3198.9	3288.9	3335.5	3341.8	3354.2	3351.1	3348.0	3360.4	3391.4	3397.7	3397.7
15°	3149.3	3254.8	3298.3	3304.5	3326.3	3320.0	3320.0	3332.4	3366.7	3375.9	3372.8
17.5°	3080.9	3211.3	3261.0	3270.3	3285.9	3282.8	3285.9	3298.3	3329.3	3335.5	3338.7
20°	3003.2	3152.3	3211.3	3220.7	3236.2	3236.2	3236.2	3251.7	3282.8	3295.2	3295.2
22.5°	2897.6	3090.2	3152.3	3158.5	3177.2	3177.2	3183.4	3205.1	3233.0	3236.2	3236.2
25°	2773.5	3021.9	3074.6	3093.3	3111.9	3121.3	3130.6	3143.0	3152.3	3149.3	3152.3
27.5°	2643.0	2934.9	3003.2	3015.6	3040.5	3049.9	3062.3	3065.4	3068.5	3077.8	3071.5
30°	2497.0	2813.8	2916.3	2928.7	2969.1	2975.3	2962.9	2969.1	2984.6	2990.9	2997.0
32.5°	2332.4	2633.7	2826.2	2854.2	2891.5	2872.8	2869.7	2879.0	2903.9	2903.9	2910.1
35°	2108.8	2493.9	2742.3	2767.2	2795.1	2773.5	2785.8	2789.0	2804.5	2813.8	2810.7
37.5°	1863.5	2372.8	2655.4	2674.1	2695.8	2667.8	2686.5	2695.8	2708.2	2702.0	2702.0
40°	1646.1	2183.3	2552.9	2565.3	2584.0	2562.2	2580.8	2587.1	2593.3	2587.1	2584.0
42.5°	1484.6	1975.2	2444.2	2459.7	2447.3	2462.8	2469.1	2481.4	2472.2	2459.7	2459.7
45°	1360.3	1919.4	2326.2	2344.8	2326.2	2351.0	2360.4	2360.4	2332.4	2326.2	2323.1
47.5°	1319.9	1807.5	2208.2	2208.2	2198.9	2229.9	2245.4	2223.7	2195.8	2186.4	2186.4
50°	1316.8	1683.3	2046.6	2034.3	2077.8	2115.0	2099.5	2077.8	2056.0	2021.9	2021.9
52.5°	1195.7	1531.1	1838.6	1885.2	1953.5	1975.2	1950.4	1928.6	1891.4	1875.9	1863.5
55°	1108.8	1372.8	1649.2	1742.3	1813.7	1841.7	1795.1	1773.4	1717.5	1708.2	1702.0
57.5°	1090.1	1142.9	1475.2	1593.2	1680.2	1677.1	1649.2	1608.8	1562.2	1552.8	1549.8
60°	1000.0	826.1	1288.9	1428.7	1518.7	1509.4	1484.6	1447.3	1403.8	1397.6	1391.4
62.5°	906.9	599.4	1077.6	1236.0	1363.4	1360.3	1338.5	1282.7	1251.6	1236.0	1223.7
65°	770.2	503.2	767.1	1028.0	1211.3	1217.4	1170.9	1130.5	1096.3	1077.6	1074.6
67.5°	587.0	409.9	518.7	857.2	1065.3	1059.0	1000.0	981.4	938.0	928.6	910.0
70°	434.8	273.3	360.3	695.7	922.4	906.9	860.2	838.6	798.2	776.5	764.0
72.5°	360.3	220.5	264.0	540.4	776.5	757.8	717.5	692.6	658.4	639.8	627.3
75°	291.9	232.9	201.9	400.7	630.5	618.1	580.8	555.9	527.9	503.2	506.2
77.5°	214.3	217.4	161.5	295.0	500.1	481.4	459.7	428.6	416.2	391.3	391.3
80°	161.5	170.8	121.1	201.9	360.3	360.3	341.7	319.9	298.2	285.8	285.8
82.5°	108.7	108.7	90.0	127.4	245.4	236.0	223.6	217.4	205.0	198.8	198.8
85°	49.6	62.1	55.9	77.6	133.5	139.8	139.8	133.5	130.4	124.3	127.4
87.5°	15.5	28.0	34.1	43.5	68.4	71.4	74.5	74.5	74.5	77.6	77.6
90°	3.8	6.8	9.8	10.6	16.6	24.7	28.7	25.5	19.2	14.4	14.4
92.5°	15.1	40.8	66.6	73.0	102.7	142.2	161.9	141.9	101.9	71.9	69.0
95°	36.3	83.4	130.5	142.2	252.5	399.7	473.3	422.3	320.5	244.0	235.4
97.5°	62.8	104.3	145.8	156.2	340.2	585.5	708.2	676.0	611.6	563.3	546.8
100°	83.2	120.9	158.5	167.9	372.1	644.3	780.4	782.8	787.5	791.0	771.3
102.5°	100.7	135.8	170.9	179.7	386.7	662.9	800.9	841.9	923.9	985.4	968.6
105°	130.1	159.9	189.7	197.1	397.6	665.0	798.6	890.5	1074.5	1212.5	1203.4
107.5°	160.4	188.1	215.8	222.8	399.6	635.3	753.2	881.4	1138.0	1330.5	1332.7
110°	180.8	205.8	231.0	237.2	396.6	609.1	715.3	858.8	1145.6	1360.7	1370.1



TEST NUMBER: P934568

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	200.9	224.7	248.6	254.6	396.7	586.2	680.9	827.7	1121.2	1341.4	1355.9
115°	231.2	253.2	275.2	280.7	400.4	560.0	639.7	781.1	1063.9	1276.0	1296.0
117.5°	261.0	281.0	301.0	306.1	407.8	543.5	611.3	738.9	994.1	1185.6	1207.8
120°	278.4	297.2	316.1	320.8	413.9	538.0	600.0	716.5	949.7	1124.6	1146.2
122.5°	295.4	314.4	333.4	338.2	422.5	535.0	591.3	696.3	906.3	1063.8	1085.1
125°	321.6	338.8	356.2	360.5	434.3	532.6	581.8	671.0	849.4	983.2	1002.9
127.5°	342.8	360.2	377.6	382.0	446.0	531.3	573.8	650.5	803.6	918.5	935.0
130°	354.0	372.9	391.8	396.4	454.5	532.1	570.8	639.0	775.4	877.6	892.9
132.5°	365.8	384.6	403.5	408.2	461.5	532.6	568.2	629.3	751.3	842.8	856.5
135°	383.2	400.4	417.5	421.8	469.0	532.1	563.6	614.8	717.0	793.6	805.5
137.5°	401.0	418.0	435.0	439.2	480.4	535.4	562.9	606.1	692.6	757.4	767.0
140°	415.7	431.4	447.0	451.0	487.4	535.9	560.3	597.6	672.2	728.2	737.2
142.5°	427.1	441.5	456.0	459.6	493.2	537.9	560.3	593.0	658.6	707.8	715.6
145°	444.5	457.1	469.8	472.9	500.8	538.0	556.5	583.3	637.0	677.2	683.0
147.5°	461.9	474.2	486.5	489.5	511.8	541.6	556.5	577.6	619.7	651.4	656.2
150°	473.3	484.4	495.5	498.2	517.7	543.6	556.5	574.3	610.0	636.7	640.6
152.5°	485.0	493.4	501.8	503.9	521.4	544.8	556.5	571.7	602.1	625.0	628.0
155°	502.3	508.6	514.8	516.4	529.8	547.6	556.5	568.6	592.7	610.9	612.9
157.5°	515.2	521.3	527.3	528.9	538.0	550.3	556.5	565.9	584.7	598.8	600.2
160°	523.9	528.7	533.4	534.6	541.9	551.6	556.5	564.6	580.6	592.7	593.6
162.5°	532.6	536.2	539.7	540.6	545.9	553.0	556.5	563.3	577.0	587.1	587.9
165°	542.1	545.3	548.4	549.2	551.6	554.8	556.5	561.4	571.1	578.4	579.2
167.5°	550.8	552.3	553.8	554.2	556.2	558.9	560.3	563.5	569.9	574.7	575.0
170°	556.5	558.0	559.5	559.9	560.0	560.2	560.3	563.5	569.9	574.7	574.7
172.5°	559.5	559.9	560.2	560.3	560.3	560.3	560.3	562.8	567.9	571.6	571.4
175°	563.6	563.6	563.6	563.6	562.5	561.0	560.3	561.8	565.0	567.4	567.4
177.5°	563.6	563.6	563.6	563.6	562.7	561.5	561.0	562.3	564.7	566.7	566.3
180°	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6



TEST NUMBER: P934568

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8
2.5°	3366.7	3357.3	3366.7	3360.4	3363.5	3354.2	3326.3	3316.9	3326.3	3335.5	3335.5
5°	3407.0	3400.8	3407.0	3407.0	3403.9	3397.7	3366.7	3360.4	3366.7	3369.7	3363.5
7.5°	3419.4	3410.1	3419.4	3413.2	3413.2	3407.0	3375.9	3369.7	3372.8	3382.2	3372.8
10°	3419.4	3410.1	3419.4	3416.3	3413.2	3407.0	3375.9	3363.5	3363.5	3372.8	3363.5
12.5°	3403.9	3397.7	3403.9	3397.7	3397.7	3391.4	3360.4	3348.0	3351.1	3354.2	3341.8
15°	3379.0	3369.7	3379.0	3372.8	3375.9	3366.7	3332.4	3320.0	3320.0	3326.3	3304.5
17.5°	3341.8	3329.3	3341.8	3338.7	3335.5	3329.3	3298.3	3285.9	3282.8	3285.9	3270.3
20°	3298.3	3288.9	3298.3	3295.2	3295.2	3282.8	3251.7	3236.2	3236.2	3236.2	3220.7
22.5°	3229.9	3220.7	3229.9	3236.2	3236.2	3233.0	3205.1	3183.4	3177.2	3177.2	3158.5
25°	3152.3	3143.0	3152.3	3152.3	3149.3	3152.3	3143.0	3130.6	3121.3	3111.9	3093.3
27.5°	3077.8	3071.5	3077.8	3071.5	3077.8	3068.5	3065.4	3062.3	3049.9	3040.5	3015.6
30°	3003.2	2997.0	3003.2	2997.0	2990.9	2984.6	2969.1	2962.9	2975.3	2969.1	2928.7
32.5°	2910.1	2903.9	2910.1	2910.1	2903.9	2903.9	2879.0	2869.7	2872.8	2891.5	2854.2
35°	2813.8	2804.5	2813.8	2810.7	2813.8	2804.5	2789.0	2785.8	2773.5	2795.1	2767.2
37.5°	2702.0	2692.7	2702.0	2702.0	2702.0	2708.2	2695.8	2686.5	2667.8	2695.8	2674.1
40°	2587.1	2574.7	2587.1	2584.0	2587.1	2593.3	2587.1	2580.8	2562.2	2584.0	2565.3
42.5°	2456.7	2453.5	2456.7	2459.7	2459.7	2472.2	2481.4	2469.1	2462.8	2447.3	2459.7
45°	2316.9	2310.7	2316.9	2323.1	2326.2	2332.4	2360.4	2360.4	2351.0	2326.2	2344.8
47.5°	2167.8	2152.3	2167.8	2186.4	2186.4	2195.8	2223.7	2245.4	2229.9	2198.9	2208.2
50°	2009.4	2012.5	2009.4	2021.9	2021.9	2056.0	2077.8	2099.5	2115.0	2077.8	2034.3
52.5°	1854.1	1851.0	1854.1	1863.5	1875.9	1891.4	1928.6	1950.4	1975.2	1953.5	1885.2
55°	1698.8	1705.1	1698.8	1702.0	1708.2	1717.5	1773.4	1795.1	1841.7	1813.7	1742.3
57.5°	1543.6	1534.2	1543.6	1549.8	1552.8	1562.2	1608.8	1649.2	1677.1	1680.2	1593.2
60°	1363.4	1351.0	1363.4	1391.4	1397.6	1403.8	1447.3	1484.6	1509.4	1518.7	1428.7
62.5°	1205.0	1183.3	1205.0	1223.7	1236.0	1251.6	1282.7	1338.5	1360.3	1363.4	1236.0
65°	1037.3	1028.0	1037.3	1074.6	1077.6	1096.3	1130.5	1170.9	1217.4	1211.3	1028.0
67.5°	885.1	885.1	885.1	910.0	928.6	938.0	981.4	1000.0	1059.0	1065.3	857.2
70°	745.4	742.2	745.4	764.0	776.5	798.2	838.6	860.2	906.9	922.4	695.7
72.5°	611.8	608.7	611.8	627.3	639.8	658.4	692.6	717.5	757.8	776.5	540.4
75°	493.8	487.6	493.8	506.2	503.2	527.9	555.9	580.8	618.1	630.5	400.7
77.5°	378.9	378.9	378.9	391.3	391.3	416.2	428.6	459.7	481.4	500.1	295.0
80°	282.7	279.5	282.7	285.8	285.8	298.2	319.9	341.7	360.3	360.3	201.9
82.5°	198.8	192.5	198.8	198.8	198.8	205.0	217.4	223.6	236.0	245.4	127.4
85°	124.3	124.3	124.3	127.4	124.3	130.4	133.5	139.8	139.8	133.5	77.6
87.5°	80.8	77.6	80.8	77.6	77.6	74.5	74.5	74.5	71.4	68.4	43.5
90°	14.4	14.4	14.4	14.4	14.4	19.2	25.5	28.7	24.7	16.6	10.6
92.5°	57.5	46.2	57.5	69.0	71.9	101.9	141.9	161.9	142.2	102.7	73.0
95°	200.7	166.1	200.7	235.4	244.0	320.5	422.3	473.3	399.7	252.5	142.2
97.5°	480.9	415.0	480.9	546.8	563.3	611.6	676.0	708.2	585.5	340.2	156.2
100°	692.9	614.3	692.9	771.3	791.0	787.5	782.8	780.4	644.3	372.1	167.9
102.5°	901.4	834.1	901.4	968.6	985.4	923.9	841.9	800.9	662.9	386.7	179.7
105°	1167.2	1131.1	1167.2	1203.4	1212.5	1074.5	890.5	798.6	665.0	397.6	197.1
107.5°	1341.4	1350.1	1341.4	1332.7	1330.5	1138.0	881.4	753.2	635.3	399.6	222.8
110°	1407.7	1445.5	1407.7	1370.1	1360.7	1145.6	858.8	715.3	609.1	396.6	237.2



TEST NUMBER: P934568

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1413.7	1471.5	1413.7	1355.9	1341.4	1121.2	827.7	680.9	586.2	396.7	254.6
115°	1376.2	1456.4	1376.2	1296.0	1276.0	1063.9	781.1	639.7	560.0	400.4	280.7
117.5°	1296.8	1385.7	1296.8	1207.8	1185.6	994.1	738.9	611.3	543.5	407.8	306.1
120°	1232.6	1319.1	1232.6	1146.2	1124.6	949.7	716.5	600.0	538.0	413.9	320.8
122.5°	1170.3	1255.6	1170.3	1085.1	1063.8	906.3	696.3	591.3	535.0	422.5	338.2
125°	1081.3	1159.9	1081.3	1002.9	983.2	849.4	671.0	581.8	532.6	434.3	360.5
127.5°	1001.3	1067.6	1001.3	935.0	918.5	803.6	650.5	573.8	531.3	446.0	382.0
130°	954.1	1015.3	954.1	892.9	877.6	775.4	639.0	570.8	532.1	454.5	396.4
132.5°	911.4	966.1	911.4	856.5	842.8	751.3	629.3	568.2	532.6	461.5	408.2
135°	852.7	900.0	852.7	805.5	793.6	717.0	614.8	563.6	532.1	469.0	421.8
137.5°	805.7	844.4	805.7	767.0	757.4	692.6	606.1	562.9	535.4	480.4	439.2
140°	773.3	809.5	773.3	737.2	728.2	672.2	597.6	560.3	535.9	487.4	451.0
142.5°	746.6	777.7	746.6	715.6	707.8	658.6	593.0	560.3	537.9	493.2	459.6
145°	706.6	730.1	706.6	683.0	677.2	637.0	583.3	556.5	538.0	500.8	472.9
147.5°	675.8	695.3	675.8	656.2	651.4	619.7	577.6	556.5	541.6	511.8	489.5
150°	656.4	672.2	656.4	640.6	636.7	610.0	574.3	556.5	543.6	517.7	498.2
152.5°	639.9	651.8	639.9	628.0	625.0	602.1	571.7	556.5	544.8	521.4	503.9
155°	620.8	628.7	620.8	612.9	610.9	592.7	568.6	556.5	547.6	529.8	516.4
157.5°	605.8	611.3	605.8	600.2	598.8	584.7	565.9	556.5	550.3	538.0	528.9
160°	596.8	600.0	596.8	593.6	592.7	580.6	564.6	556.5	551.6	541.9	534.6
162.5°	590.9	593.9	590.9	587.9	587.1	577.0	563.3	556.5	553.0	545.9	540.6
165°	582.4	585.6	582.4	579.2	578.4	571.1	561.4	556.5	554.8	551.6	549.2
167.5°	576.3	577.7	576.3	575.0	574.7	569.9	563.5	560.3	558.9	556.2	554.2
170°	574.7	574.7	574.7	574.7	574.7	569.9	563.5	560.3	560.2	560.0	559.9
172.5°	570.2	569.0	570.2	571.4	571.6	567.9	562.8	560.3	560.3	560.3	560.3
175°	567.4	567.4	567.4	567.4	567.4	565.0	561.8	560.3	561.0	562.5	563.6
177.5°	565.0	563.6	565.0	566.3	566.7	564.7	562.3	561.0	561.5	562.7	563.6
180°	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6



TEST NUMBER: P934568

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8
2.5°	3329.3	3310.7	3310.7	3279.7	3267.3	3257.9	3242.4	3195.8	3183.4	3170.9	3189.6
5°	3357.3	3323.2	3298.3	3242.4	3195.8	3177.2	3118.1	3006.4	2931.9	2875.9	2844.9
7.5°	3363.5	3320.0	3273.4	3186.5	3074.6	3025.0	2844.9	2639.8	2584.0	2534.3	2503.2
10°	3357.3	3307.6	3242.4	3111.9	2848.0	2761.0	2580.8	2447.3	2413.2	2403.8	2413.2
12.5°	3335.5	3288.9	3198.9	2981.5	2611.9	2552.9	2447.3	2369.7	2363.4	2379.0	2462.8
15°	3298.3	3254.8	3149.3	2807.6	2481.4	2438.0	2363.4	2335.5	2369.7	2478.4	2730.0
17.5°	3261.0	3211.3	3080.9	2636.8	2382.1	2351.0	2298.3	2354.2	2546.7	2692.7	2776.5
20°	3211.3	3152.3	3003.2	2512.6	2310.7	2282.7	2257.9	2509.4	2655.4	2708.2	2754.8
22.5°	3152.3	3090.2	2897.6	2425.6	2236.1	2214.4	2229.9	2596.4	2655.4	2692.7	2733.1
25°	3074.6	3021.9	2773.5	2357.3	2177.1	2152.3	2211.3	2587.1	2621.2	2630.6	2711.3
27.5°	3003.2	2934.9	2643.0	2295.2	2105.7	2096.4	2226.8	2546.7	2571.6	2580.8	2667.8
30°	2916.3	2813.8	2497.0	2229.9	2031.1	2028.0	2229.9	2497.0	2490.8	2515.7	2602.6
32.5°	2826.2	2633.7	2332.4	2149.1	1959.7	1956.6	2208.2	2422.4	2416.3	2450.4	2515.7
35°	2742.3	2493.9	2108.8	2056.0	1869.6	1872.7	2155.4	2335.5	2338.7	2369.7	2410.1
37.5°	2655.4	2372.8	1863.5	1953.5	1782.7	1782.7	2083.9	2254.8	2248.5	2257.9	2313.8
40°	2552.9	2183.3	1646.1	1820.0	1702.0	1692.6	1997.0	2167.8	2146.0	2143.0	2220.6
42.5°	2444.2	1975.2	1484.6	1642.9	1608.8	1596.3	1891.4	2062.2	2021.9	2031.1	2130.5
45°	2326.2	1919.4	1360.3	1388.3	1512.5	1503.2	1776.5	1941.1	1913.1	1938.0	2040.5
47.5°	2208.2	1807.5	1319.9	1152.3	1410.0	1406.9	1649.2	1823.1	1807.5	1832.4	1941.1
50°	2046.6	1683.3	1316.8	987.6	1295.1	1307.5	1496.9	1708.2	1708.2	1729.9	1844.8
52.5°	1838.6	1531.1	1195.7	894.5	1161.5	1198.8	1363.4	1608.8	1615.0	1636.7	1739.2
55°	1649.2	1372.8	1108.8	823.0	1003.1	1083.9	1233.0	1506.3	1518.7	1540.4	1633.6
57.5°	1475.2	1142.9	1090.1	739.2	857.2	934.9	1118.0	1406.9	1413.1	1431.8	1521.8
60°	1288.9	826.1	1000.0	649.1	729.8	788.9	1012.5	1288.9	1310.7	1323.0	1400.7
62.5°	1077.6	599.4	906.9	587.0	667.7	680.2	925.5	1177.0	1205.0	1214.4	1260.9
65°	767.1	503.2	770.2	534.2	602.5	605.6	832.3	1062.1	1087.0	1102.5	1136.7
67.5°	518.7	409.9	587.0	484.5	552.8	555.9	742.2	928.6	962.8	975.2	997.0
70°	360.3	273.3	434.8	431.7	496.9	503.2	646.0	807.5	838.6	847.9	860.2
72.5°	264.0	220.5	360.3	388.2	437.9	444.2	546.6	670.8	701.9	711.2	717.5
75°	201.9	232.9	291.9	338.5	372.7	375.8	447.2	546.6	568.3	574.6	577.7
77.5°	161.5	217.4	214.3	273.3	304.4	298.2	350.9	422.4	441.0	441.0	441.0
80°	121.1	170.8	161.5	195.7	223.6	217.4	251.5	301.3	307.4	313.7	310.5
82.5°	90.0	108.7	108.7	124.3	149.0	142.9	167.8	195.7	195.7	195.7	201.9
85°	55.9	62.1	49.6	65.2	83.9	80.8	93.1	105.6	108.7	108.7	102.5
87.5°	34.1	28.0	15.5	24.9	37.3	37.3	43.5	46.6	43.5	43.5	43.5
90°	9.8	6.8	3.8	6.8	9.8	10.6	16.6	24.7	28.7	25.5	19.2
92.5°	66.6	40.8	15.1	40.8	66.6	73.0	102.7	142.2	161.9	141.9	101.9
95°	130.5	83.4	36.3	83.4	130.5	142.2	252.5	399.7	473.3	422.3	320.5
97.5°	145.8	104.3	62.8	104.3	145.8	156.2	340.2	585.5	708.2	676.0	611.6
100°	158.5	120.9	83.2	120.9	158.5	167.9	372.1	644.3	780.4	782.8	787.5
102.5°	170.9	135.8	100.7	135.8	170.9	179.7	386.7	662.9	800.9	841.9	923.9
105°	189.7	159.9	130.1	159.9	189.7	197.1	397.6	665.0	798.6	890.5	1074.5
107.5°	215.8	188.1	160.4	188.1	215.8	222.8	399.6	635.3	753.2	881.4	1138.0
110°	231.0	205.8	180.8	205.8	231.0	237.2	396.6	609.1	715.3	858.8	1145.6



TEST NUMBER: P934568

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	248.6	224.7	200.9	224.7	248.6	254.6	396.7	586.2	680.9	827.7	1121.2
115°	275.2	253.2	231.2	253.2	275.2	280.7	400.4	560.0	639.7	781.1	1063.9
117.5°	301.0	281.0	261.0	281.0	301.0	306.1	407.8	543.5	611.3	738.9	994.1
120°	316.1	297.2	278.4	297.2	316.1	320.8	413.9	538.0	600.0	716.5	949.7
122.5°	333.4	314.4	295.4	314.4	333.4	338.2	422.5	535.0	591.3	696.3	906.3
125°	356.2	338.8	321.6	338.8	356.2	360.5	434.3	532.6	581.8	671.0	849.4
127.5°	377.6	360.2	342.8	360.2	377.6	382.0	446.0	531.3	573.8	650.5	803.6
130°	391.8	372.9	354.0	372.9	391.8	396.4	454.5	532.1	570.8	639.0	775.4
132.5°	403.5	384.6	365.8	384.6	403.5	408.2	461.5	532.6	568.2	629.3	751.3
135°	417.5	400.4	383.2	400.4	417.5	421.8	469.0	532.1	563.6	614.8	717.0
137.5°	435.0	418.0	401.0	418.0	435.0	439.2	480.4	535.4	562.9	606.1	692.6
140°	447.0	431.4	415.7	431.4	447.0	451.0	487.4	535.9	560.3	597.6	672.2
142.5°	456.0	441.5	427.1	441.5	456.0	459.6	493.2	537.9	560.3	593.0	658.6
145°	469.8	457.1	444.5	457.1	469.8	472.9	500.8	538.0	556.5	583.3	637.0
147.5°	486.5	474.2	461.9	474.2	486.5	489.5	511.8	541.6	556.5	577.6	619.7
150°	495.5	484.4	473.3	484.4	495.5	498.2	517.7	543.6	556.5	574.3	610.0
152.5°	501.8	493.4	485.0	493.4	501.8	503.9	521.4	544.8	556.5	571.7	602.1
155°	514.8	508.6	502.3	508.6	514.8	516.4	529.8	547.6	556.5	568.6	592.7
157.5°	527.3	521.3	515.2	521.3	527.3	528.9	538.0	550.3	556.5	565.9	584.7
160°	533.4	528.7	523.9	528.7	533.4	534.6	541.9	551.6	556.5	564.6	580.6
162.5°	539.7	536.2	532.6	536.2	539.7	540.6	545.9	553.0	556.5	563.3	577.0
165°	548.4	545.3	542.1	545.3	548.4	549.2	551.6	554.8	556.5	561.4	571.1
167.5°	553.8	552.3	550.8	552.3	553.8	554.2	556.2	558.9	560.3	563.5	569.9
170°	559.5	558.0	556.5	558.0	559.5	559.9	560.0	560.2	560.3	563.5	569.9
172.5°	560.2	559.9	559.5	559.9	560.2	560.3	560.3	560.3	560.3	562.8	567.9
175°	563.6	563.6	563.6	563.6	563.6	563.6	562.5	561.0	560.3	561.8	565.0
177.5°	563.6	563.6	563.6	563.6	563.6	563.6	562.7	561.5	561.0	562.3	564.7
180°	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6



TEST NUMBER: P934568

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8	3282.8
2.5°	3167.9	3158.5	3170.9	3136.8	3170.9	3158.5	3167.9	3189.6	3170.9	3183.4	3195.8
5°	2779.6	2764.1	2714.5	2674.1	2714.5	2764.1	2779.6	2844.9	2875.9	2931.9	3006.4
7.5°	2484.6	2472.2	2459.7	2434.9	2459.7	2472.2	2484.6	2503.2	2534.3	2584.0	2639.8
10°	2419.4	2422.4	2441.1	2438.0	2441.1	2422.4	2419.4	2413.2	2403.8	2413.2	2447.3
12.5°	2587.1	2615.1	2717.5	2711.3	2717.5	2615.1	2587.1	2462.8	2379.0	2363.4	2369.7
15°	2779.6	2789.0	2810.7	2813.8	2810.7	2789.0	2779.6	2730.0	2478.4	2369.7	2335.5
17.5°	2798.2	2801.4	2816.9	2816.9	2816.9	2801.4	2798.2	2776.5	2692.7	2546.7	2354.2
20°	2782.7	2789.0	2820.0	2826.2	2820.0	2789.0	2782.7	2754.8	2708.2	2655.4	2509.4
22.5°	2776.5	2789.0	2813.8	2810.7	2813.8	2789.0	2776.5	2733.1	2692.7	2655.4	2596.4
25°	2745.5	2745.5	2748.6	2751.7	2748.6	2745.5	2745.5	2711.3	2630.6	2621.2	2587.1
27.5°	2680.2	2686.5	2705.1	2702.0	2705.1	2686.5	2680.2	2667.8	2580.8	2571.6	2546.7
30°	2621.2	2615.1	2599.5	2587.1	2599.5	2615.1	2621.2	2602.6	2515.7	2490.8	2497.0
32.5°	2521.8	2506.3	2490.8	2481.4	2490.8	2506.3	2521.8	2515.7	2450.4	2416.3	2422.4
35°	2403.8	2406.9	2403.8	2394.5	2403.8	2406.9	2403.8	2410.1	2369.7	2338.7	2335.5
37.5°	2320.0	2326.2	2323.1	2310.7	2323.1	2326.2	2320.0	2313.8	2257.9	2248.5	2254.8
40°	2233.0	2236.1	2233.0	2223.7	2233.0	2236.1	2233.0	2220.6	2143.0	2146.0	2167.8
42.5°	2149.1	2146.0	2136.8	2130.5	2136.8	2146.0	2149.1	2130.5	2031.1	2021.9	2062.2
45°	2052.9	2056.0	2037.4	2028.0	2037.4	2056.0	2052.9	2040.5	1938.0	1913.1	1941.1
47.5°	1956.6	1956.6	1941.1	1931.7	1941.1	1956.6	1956.6	1941.1	1832.4	1807.5	1823.1
50°	1854.1	1851.0	1829.2	1826.2	1829.2	1851.0	1854.1	1844.8	1729.9	1708.2	1708.2
52.5°	1736.1	1736.1	1739.2	1745.5	1739.2	1736.1	1736.1	1739.2	1636.7	1615.0	1608.8
55°	1633.6	1636.7	1658.5	1664.7	1658.5	1636.7	1633.6	1633.6	1540.4	1518.7	1506.3
57.5°	1528.1	1528.1	1543.6	1543.6	1543.6	1528.1	1528.1	1521.8	1431.8	1413.1	1406.9
60°	1406.9	1413.1	1425.5	1422.4	1425.5	1413.1	1406.9	1400.7	1323.0	1310.7	1288.9
62.5°	1279.5	1285.8	1288.9	1282.7	1288.9	1285.8	1279.5	1260.9	1214.4	1205.0	1177.0
65°	1146.0	1152.3	1155.4	1149.1	1155.4	1152.3	1146.0	1136.7	1102.5	1087.0	1062.1
67.5°	1009.4	1006.3	1003.1	1015.6	1003.1	1006.3	1009.4	997.0	975.2	962.8	928.6
70°	869.6	869.6	866.5	872.7	866.5	869.6	869.6	860.2	847.9	838.6	807.5
72.5°	720.6	717.5	729.8	720.6	729.8	717.5	720.6	717.5	711.2	701.9	670.8
75°	574.6	580.8	574.6	583.8	574.6	580.8	574.6	577.7	574.6	568.3	546.6
77.5°	437.9	444.2	437.9	437.9	437.9	444.2	437.9	441.0	441.0	441.0	422.4
80°	310.5	307.4	307.4	304.4	307.4	307.4	310.5	310.5	313.7	307.4	301.3
82.5°	198.8	195.7	195.7	201.9	195.7	195.7	198.8	201.9	195.7	195.7	195.7
85°	108.7	111.8	105.6	105.6	105.6	111.8	108.7	102.5	108.7	108.7	105.6
87.5°	40.4	37.3	37.3	37.3	37.3	37.3	40.4	43.5	43.5	43.5	46.6
90°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	19.2	25.5	28.7	24.7
92.5°	71.9	69.0	57.5	46.2	57.5	69.0	71.9	101.9	141.9	161.9	142.2
95°	244.0	235.4	200.7	166.1	200.7	235.4	244.0	320.5	422.3	473.3	399.7
97.5°	563.3	546.8	480.9	415.0	480.9	546.8	563.3	611.6	676.0	708.2	585.5
100°	791.0	771.3	692.9	614.3	692.9	771.3	791.0	787.5	782.8	780.4	644.3
102.5°	985.4	968.6	901.4	834.1	901.4	968.6	985.4	923.9	841.9	800.9	662.9
105°	1212.5	1203.4	1167.2	1131.1	1167.2	1203.4	1212.5	1074.5	890.5	798.6	665.0
107.5°	1330.5	1332.7	1341.4	1350.1	1341.4	1332.7	1330.5	1138.0	881.4	753.2	635.3
110°	1360.7	1370.1	1407.7	1445.5	1407.7	1370.1	1360.7	1145.6	858.8	715.3	609.1



TEST NUMBER: P934568

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1341.4	1355.9	1413.7	1471.5	1413.7	1355.9	1341.4	1121.2	827.7	680.9	586.2
115°	1276.0	1296.0	1376.2	1456.4	1376.2	1296.0	1276.0	1063.9	781.1	639.7	560.0
117.5°	1185.6	1207.8	1296.8	1385.7	1296.8	1207.8	1185.6	994.1	738.9	611.3	543.5
120°	1124.6	1146.2	1232.6	1319.1	1232.6	1146.2	1124.6	949.7	716.5	600.0	538.0
122.5°	1063.8	1085.1	1170.3	1255.6	1170.3	1085.1	1063.8	906.3	696.3	591.3	535.0
125°	983.2	1002.9	1081.3	1159.9	1081.3	1002.9	983.2	849.4	671.0	581.8	532.6
127.5°	918.5	935.0	1001.3	1067.6	1001.3	935.0	918.5	803.6	650.5	573.8	531.3
130°	877.6	892.9	954.1	1015.3	954.1	892.9	877.6	775.4	639.0	570.8	532.1
132.5°	842.8	856.5	911.4	966.1	911.4	856.5	842.8	751.3	629.3	568.2	532.6
135°	793.6	805.5	852.7	900.0	852.7	805.5	793.6	717.0	614.8	563.6	532.1
137.5°	757.4	767.0	805.7	844.4	805.7	767.0	757.4	692.6	606.1	562.9	535.4
140°	728.2	737.2	773.3	809.5	773.3	737.2	728.2	672.2	597.6	560.3	535.9
142.5°	707.8	715.6	746.6	777.7	746.6	715.6	707.8	658.6	593.0	560.3	537.9
145°	677.2	683.0	706.6	730.1	706.6	683.0	677.2	637.0	583.3	556.5	538.0
147.5°	651.4	656.2	675.8	695.3	675.8	656.2	651.4	619.7	577.6	556.5	541.6
150°	636.7	640.6	656.4	672.2	656.4	640.6	636.7	610.0	574.3	556.5	543.6
152.5°	625.0	628.0	639.9	651.8	639.9	628.0	625.0	602.1	571.7	556.5	544.8
155°	610.9	612.9	620.8	628.7	620.8	612.9	610.9	592.7	568.6	556.5	547.6
157.5°	598.8	600.2	605.8	611.3	605.8	600.2	598.8	584.7	565.9	556.5	550.3
160°	592.7	593.6	596.8	600.0	596.8	593.6	592.7	580.6	564.6	556.5	551.6
162.5°	587.1	587.9	590.9	593.9	590.9	587.9	587.1	577.0	563.3	556.5	553.0
165°	578.4	579.2	582.4	585.6	582.4	579.2	578.4	571.1	561.4	556.5	554.8
167.5°	574.7	575.0	576.3	577.7	576.3	575.0	574.7	569.9	563.5	560.3	558.9
170°	574.7	574.7	574.7	574.7	574.7	574.7	574.7	569.9	563.5	560.3	560.2
172.5°	571.6	571.4	570.2	569.0	570.2	571.4	571.6	567.9	562.8	560.3	560.3
175°	567.4	567.4	567.4	567.4	567.4	567.4	567.4	565.0	561.8	560.3	561.0
177.5°	566.7	566.3	565.0	563.6	565.0	566.3	566.7	564.7	562.3	561.0	561.5
180°	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6	563.6



TEST NUMBER: P934568

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3282.8	3282.8	3282.8	3282.8	3282.8
2.5°	3242.4	3257.9	3267.3	3279.7	3310.7
5°	3118.1	3177.2	3195.8	3242.4	3298.3
7.5°	2844.9	3025.0	3074.6	3186.5	3273.4
10°	2580.8	2761.0	2848.0	3111.9	3242.4
12.5°	2447.3	2552.9	2611.9	2981.5	3198.9
15°	2363.4	2438.0	2481.4	2807.6	3149.3
17.5°	2298.3	2351.0	2382.1	2636.8	3080.9
20°	2257.9	2282.7	2310.7	2512.6	3003.2
22.5°	2229.9	2214.4	2236.1	2425.6	2897.6
25°	2211.3	2152.3	2177.1	2357.3	2773.5
27.5°	2226.8	2096.4	2105.7	2295.2	2643.0
30°	2229.9	2028.0	2031.1	2229.9	2497.0
32.5°	2208.2	1956.6	1959.7	2149.1	2332.4
35°	2155.4	1872.7	1869.6	2056.0	2108.8
37.5°	2083.9	1782.7	1782.7	1953.5	1863.5
40°	1997.0	1692.6	1702.0	1820.0	1646.1
42.5°	1891.4	1596.3	1608.8	1642.9	1484.6
45°	1776.5	1503.2	1512.5	1388.3	1360.3
47.5°	1649.2	1406.9	1410.0	1152.3	1319.9
50°	1496.9	1307.5	1295.1	987.6	1316.8
52.5°	1363.4	1198.8	1161.5	894.5	1195.7
55°	1233.0	1083.9	1003.1	823.0	1108.8
57.5°	1118.0	934.9	857.2	739.2	1090.1
60°	1012.5	788.9	729.8	649.1	1000.0
62.5°	925.5	680.2	667.7	587.0	906.9
65°	832.3	605.6	602.5	534.2	770.2
67.5°	742.2	555.9	552.8	484.5	587.0
70°	646.0	503.2	496.9	431.7	434.8
72.5°	546.6	444.2	437.9	388.2	360.3
75°	447.2	375.8	372.7	338.5	291.9
77.5°	350.9	298.2	304.4	273.3	214.3
80°	251.5	217.4	223.6	195.7	161.5
82.5°	167.8	142.9	149.0	124.3	108.7
85°	93.1	80.8	83.9	65.2	49.6
87.5°	43.5	37.3	37.3	24.9	15.5
90°	16.6	10.6	9.8	6.8	3.8
92.5°	102.7	73.0	66.6	40.8	15.1
95°	252.5	142.2	130.5	83.4	36.3
97.5°	340.2	156.2	145.8	104.3	62.8
100°	372.1	167.9	158.5	120.9	83.2
102.5°	386.7	179.7	170.9	135.8	100.7
105°	397.6	197.1	189.7	159.9	130.1
107.5°	399.6	222.8	215.8	188.1	160.4
110°	396.6	237.2	231.0	205.8	180.8



TEST NUMBER: P934568

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	396.7	254.6	248.6	224.7	200.9
115°	400.4	280.7	275.2	253.2	231.2
117.5°	407.8	306.1	301.0	281.0	261.0
120°	413.9	320.8	316.1	297.2	278.4
122.5°	422.5	338.2	333.4	314.4	295.4
125°	434.3	360.5	356.2	338.8	321.6
127.5°	446.0	382.0	377.6	360.2	342.8
130°	454.5	396.4	391.8	372.9	354.0
132.5°	461.5	408.2	403.5	384.6	365.8
135°	469.0	421.8	417.5	400.4	383.2
137.5°	480.4	439.2	435.0	418.0	401.0
140°	487.4	451.0	447.0	431.4	415.7
142.5°	493.2	459.6	456.0	441.5	427.1
145°	500.8	472.9	469.8	457.1	444.5
147.5°	511.8	489.5	486.5	474.2	461.9
150°	517.7	498.2	495.5	484.4	473.3
152.5°	521.4	503.9	501.8	493.4	485.0
155°	529.8	516.4	514.8	508.6	502.3
157.5°	538.0	528.9	527.3	521.3	515.2
160°	541.9	534.6	533.4	528.7	523.9
162.5°	545.9	540.6	539.7	536.2	532.6
165°	551.6	549.2	548.4	545.3	542.1
167.5°	556.2	554.2	553.8	552.3	550.8
170°	560.0	559.9	559.5	558.0	556.5
172.5°	560.3	560.3	560.2	559.9	559.5
175°	562.5	563.6	563.6	563.6	563.6
177.5°	562.7	563.6	563.6	563.6	563.6
180°	563.6	563.6	563.6	563.6	563.6



TEST NUMBER: P934568
 CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-5000K

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	15.94	17.01	16.70	17.80	18.75	18.77	19.85	19.54	20.64	21.59
	3H	16.43	17.39	17.21	18.19	19.17	20.14	21.10	20.92	21.90	22.88
	4H	16.63	17.54	17.43	18.35	19.34	20.59	21.50	21.39	22.31	23.30
	6H	16.76	17.60	17.57	18.41	19.42	20.89	21.73	21.70	22.54	23.55
	8H	16.77	17.57	17.59	18.40	19.41	20.97	21.77	21.79	22.61	23.62
	12H	16.75	17.51	17.57	18.33	19.37	21.02	21.78	21.84	22.61	23.65
4H	2H	17.00	17.91	17.80	18.71	19.71	19.21	20.12	20.01	20.92	21.92
	3H	18.04	18.80	18.86	19.64	20.65	20.74	21.50	21.55	22.33	23.35
	4H	18.33	19.02	19.15	19.86	20.90	21.27	21.96	22.10	22.80	23.84
	6H	18.47	19.06	19.31	19.92	20.97	21.65	22.25	22.50	23.11	24.16
	8H	18.48	19.03	19.32	19.89	20.95	21.77	22.32	22.61	23.18	24.24
	12H	18.45	18.96	19.32	19.83	20.90	21.84	22.34	22.70	23.22	24.28
8H	4H	18.80	19.36	19.65	20.22	21.27	21.42	21.97	22.26	22.83	23.89
	6H	19.07	19.53	19.94	20.43	21.49	21.86	22.33	22.74	23.22	24.28
	8H	19.11	19.52	20.00	20.42	21.49	22.02	22.43	22.90	23.32	24.40
	12H	19.11	19.47	20.00	20.36	21.48	22.13	22.49	23.02	23.38	24.50
12H	4H	18.82	19.32	19.68	20.20	21.26	21.39	21.89	22.26	22.77	23.83
	6H	19.13	19.54	20.02	20.44	21.51	21.86	22.27	22.75	23.17	24.24
	8H	19.21	19.57	20.10	20.46	21.59	22.04	22.40	22.92	23.28	24.41