

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: P934588

Luminaire Tested: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-6-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934588
REPORT IS A COMBINATION OF REPORTS P933703 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-6-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

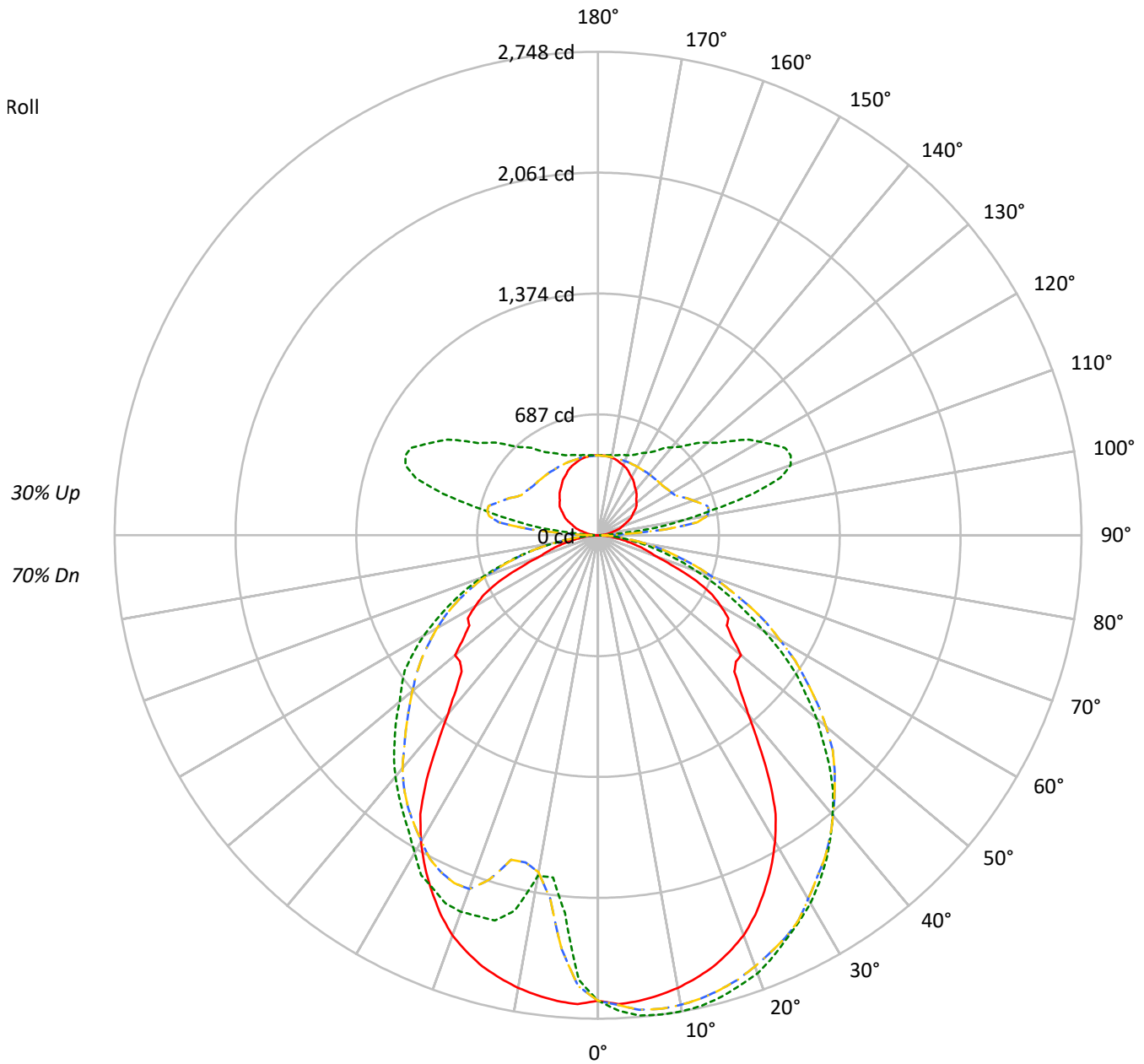
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9804.8 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 84
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR	0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	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	63	63	63	59		
	2	93	86	79	74	88	81	76	71	73	68	65	65	62	59	58	56	53	53	53	53	53	53	50		
	3	85	75	68	62	80	71	65	59	64	59	54	58	53	50	52	48	45	45	45	45	45	45	42		
	4	78	67	58	52	73	63	56	50	57	51	46	51	47	43	46	42	39	39	39	39	39	39	36		
	5	72	60	51	45	67	57	49	43	51	45	40	46	41	37	41	37	34	34	34	34	34	34	31		
	6	66	53	45	39	62	51	43	38	46	40	35	42	36	32	38	33	30	30	30	30	30	30	27		
	7	61	48	40	34	58	46	39	33	42	36	31	38	33	29	34	30	27	27	27	27	27	27	24		
	8	57	44	36	30	54	42	35	29	38	32	28	35	29	26	31	27	24	24	24	24	24	24	22		
	9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	21	21	21	21	21	21	19		
	10	49	37	30	25	47	35	28	24	32	26	22	30	25	21	27	23	19	19	19	19	19	19	18		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16364	16364	16364	16364
5°	16480	16518	16480	12988
10°	16364	16272	16364	11633
15°	16180	15919	16180	13292
20°	15835	15502	15835	13321
25°	15136	14892	15136	13038
30°	14235	14387	14235	12419
35°	12685	13747	12685	11737
40°	10564	12994	10564	11223
45°	9432	12113	9432	10631
50°	10013	11061	10013	10037
55°	9412	9928	9412	9694
60°	9691	8432	9691	8878
65°	8772	6970	8772	7792
70°	6058	5555	6058	6531
75°	5295	4106	5295	4917
80°	4238	2714	4238	2955
85°	2385	1438	2385	1222

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14466 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.8	2.4
10°-20°	678.0	6.9
20°-30°	1048.0	10.7
30°-40°	1251.1	12.8
40°-50°	1258.4	12.8
50°-60°	1095.0	11.2
60°-70°	776.4	7.9
70°-80°	410.7	4.2
80°-90°	104.0	1.1
90°-100°	221.4	2.3
100°-110°	582.1	5.9
110°-120°	603.6	6.2
120°-130°	484.1	4.9
130°-140°	379.9	3.9
140°-150°	291.6	3.0
150°-160°	210.0	2.1
160°-170°	128.5	1.3
170°-180°	43.4	0.4
0°-30°	1964.7	20.0
0°-40°	3215.8	32.8
0°-60°	5569.2	56.8
0°-90°	6860.4	70.0
90°-120°	1407.0	14.4
90°-150°	2562.6	26.1
90°-180°	2944.0	30.0
0°-180°	9804.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2645	2645	2645	2645	2645	
5°	2658	2740	2658	2155	2658	252
15°	2538	2715	2538	2267	2538	714
25°	2235	2533	2235	2217	2235	1026
35°	1699	2260	1699	1930	1699	1051
45°	1096	1862	1096	1634	1096	878
55°	893	1374	893	1341	893	821
65°	621	828	621	926	621	593
75°	235	393	235	470	235	247
85°	40	100	40	85	40	54
90°	3	12	3	12	3	4
95°	29	134	29	134	29	32
105°	105	912	105	912	105	111
115°	186	1174	186	1174	186	184
125°	259	935	259	935	259	230
135°	309	725	309	725	309	239
145°	358	588	358	588	358	224
155°	405	507	405	507	405	186
165°	437	472	437	472	437	123
175°	454	457	454	457	454	43
180°	454	454	454	454	454	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2
2.5°	2667.7	2667.7	2682.8	2687.7	2687.7	2680.2	2672.8	2680.2	2702.8	2710.3	2707.8
5°	2657.8	2677.8	2705.3	2710.3	2715.3	2712.8	2707.8	2712.8	2737.8	2742.9	2745.3
7.5°	2637.7	2675.2	2710.3	2717.8	2725.3	2717.8	2715.3	2720.3	2745.3	2750.3	2750.3
10°	2612.7	2665.3	2705.3	2710.3	2717.8	2710.3	2710.3	2720.3	2745.3	2750.3	2752.8
12.5°	2577.7	2650.3	2687.7	2692.8	2702.8	2700.3	2697.8	2707.8	2732.8	2737.8	2737.8
15°	2537.7	2622.7	2657.8	2662.8	2680.2	2675.2	2675.2	2685.3	2712.8	2720.3	2717.8
17.5°	2482.6	2587.7	2627.7	2635.2	2647.7	2645.2	2647.7	2657.8	2682.8	2687.7	2690.3
20°	2420.0	2540.1	2587.7	2595.2	2607.7	2607.7	2607.7	2620.2	2645.2	2655.2	2655.2
22.5°	2334.9	2490.0	2540.1	2545.2	2560.1	2560.1	2565.2	2582.6	2605.2	2607.7	2607.7
25°	2234.8	2435.0	2477.5	2492.6	2507.6	2515.1	2522.6	2532.6	2540.1	2537.7	2540.1
27.5°	2129.7	2364.9	2420.0	2430.0	2450.0	2457.5	2467.6	2470.0	2472.6	2480.1	2475.1
30°	2012.0	2267.3	2349.9	2359.9	2392.4	2397.5	2387.5	2392.4	2405.0	2410.0	2415.0
32.5°	1879.4	2122.2	2277.4	2299.8	2329.9	2314.9	2312.4	2319.9	2339.9	2339.9	2344.9
35°	1699.3	2009.6	2209.8	2229.8	2252.3	2234.8	2244.8	2247.3	2259.8	2267.3	2264.8
37.5°	1501.6	1912.0	2139.7	2154.7	2172.3	2149.7	2164.8	2172.3	2182.2	2177.3	2177.3
40°	1326.4	1759.3	2057.1	2067.1	2082.1	2064.6	2079.7	2084.7	2089.6	2084.7	2082.1
42.5°	1196.2	1591.6	1969.5	1982.1	1972.0	1984.5	1989.6	1999.6	1992.0	1982.1	1982.1
45°	1096.1	1546.6	1874.4	1889.5	1874.4	1894.5	1902.0	1902.0	1879.4	1874.4	1871.9
47.5°	1063.6	1456.5	1779.3	1779.3	1771.8	1796.9	1809.4	1791.9	1769.3	1761.8	1761.8
50°	1061.1	1356.4	1649.2	1639.2	1674.2	1704.3	1691.8	1674.2	1656.7	1629.2	1629.2
52.5°	963.5	1233.8	1481.6	1519.0	1574.1	1591.6	1571.6	1554.1	1524.1	1511.5	1501.6
55°	893.4	1106.1	1328.8	1404.0	1461.5	1484.0	1446.5	1429.0	1383.9	1376.5	1371.4
57.5°	878.4	920.9	1188.7	1283.9	1353.9	1351.4	1328.8	1296.3	1258.8	1251.3	1248.8
60°	805.9	665.6	1038.6	1151.2	1223.7	1216.2	1196.2	1166.2	1131.1	1126.2	1121.2
62.5°	730.7	483.0	868.4	996.1	1098.6	1096.1	1078.6	1033.5	1008.6	996.1	986.0
65°	620.7	405.4	618.1	828.3	976.0	981.0	943.5	911.0	883.5	868.4	865.9
67.5°	473.0	330.3	418.0	690.7	858.4	853.4	805.9	790.8	755.8	748.3	733.3
70°	350.3	220.3	290.3	560.5	743.2	730.7	693.3	675.7	643.2	625.6	615.7
72.5°	290.3	177.7	212.7	435.4	625.6	610.6	578.1	558.1	530.6	515.6	505.5
75°	235.3	187.7	162.7	322.8	508.0	498.0	468.0	447.9	425.5	405.4	407.9
77.5°	172.6	175.2	130.2	237.7	402.9	387.9	370.3	345.4	335.3	315.3	315.3
80°	130.2	137.6	97.6	162.7	290.3	290.3	275.3	257.7	240.3	230.2	230.2
82.5°	87.6	87.6	72.6	102.6	197.7	190.2	180.1	175.2	165.2	160.1	160.1
85°	40.0	50.1	45.1	62.6	107.6	112.6	112.6	107.6	105.1	100.1	102.6
87.5°	12.5	22.5	27.5	35.0	55.0	57.6	60.0	60.0	60.0	62.6	62.6
90°	3.1	5.5	8.0	8.6	13.4	19.9	23.2	20.6	15.4	11.5	11.5
92.5°	12.2	32.9	53.6	58.9	82.7	114.6	130.4	114.3	82.0	57.9	55.6
95°	29.3	67.1	105.1	114.6	203.5	322.1	381.4	340.4	258.2	196.6	189.6
97.5°	50.6	84.1	117.5	125.9	274.2	471.9	570.7	544.8	492.8	453.9	440.5
100°	67.0	97.4	127.8	135.4	299.8	519.2	628.9	630.7	634.6	637.4	621.7
102.5°	81.0	109.4	137.7	144.8	311.7	534.1	645.3	678.4	744.5	794.1	780.6
105°	104.9	128.9	152.8	158.8	320.4	535.8	643.5	717.6	865.8	977.0	969.7
107.5°	129.3	151.6	173.9	179.6	322.0	511.9	606.9	710.2	917.0	1072.1	1073.9
110°	145.7	165.8	186.1	191.1	319.6	490.8	576.4	692.0	923.2	1096.5	1104.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	161.9	181.1	200.4	205.2	319.7	472.4	548.7	667.0	903.6	1081.0	1092.6
115°	186.3	204.0	221.8	226.2	322.6	451.2	515.5	629.5	857.3	1028.2	1044.4
117.5°	210.3	226.5	242.6	246.6	328.6	438.0	492.6	595.4	801.1	955.3	973.3
120°	224.3	239.5	254.7	258.5	333.5	433.4	483.4	577.4	765.3	906.2	923.7
122.5°	238.1	253.4	268.7	272.5	340.5	431.1	476.4	561.0	730.3	857.2	874.4
125°	259.1	273.0	287.0	290.5	349.9	429.2	468.8	540.7	684.5	792.3	808.0
127.5°	276.2	290.3	304.4	307.9	359.4	428.1	462.4	524.2	647.5	740.1	753.4
130°	285.3	300.5	315.7	319.5	366.3	428.7	460.0	514.9	624.8	707.3	719.6
132.5°	294.8	310.0	325.2	328.9	371.9	429.2	457.9	507.1	605.4	679.2	690.2
135°	308.8	322.6	336.4	339.9	378.0	428.8	454.3	495.5	577.8	639.5	649.1
137.5°	323.1	336.8	350.4	353.9	387.1	431.4	453.6	488.4	558.0	610.2	618.0
140°	335.0	347.7	360.2	363.3	392.7	431.9	451.5	481.6	541.7	586.8	594.1
142.5°	344.1	355.7	367.4	370.3	397.4	433.4	451.5	477.9	530.7	570.3	576.6
145°	358.2	368.4	378.5	381.1	403.6	433.4	448.4	470.0	513.2	545.7	550.4
147.5°	372.2	382.1	392.0	394.5	412.4	436.4	448.4	465.4	499.4	524.9	528.9
150°	381.4	390.4	399.2	401.5	417.2	438.0	448.4	462.8	491.5	513.0	516.2
152.5°	390.8	397.6	404.4	406.0	420.1	439.0	448.4	460.7	485.2	503.6	505.9
155°	404.9	409.9	414.8	416.1	426.8	441.2	448.4	458.2	477.7	492.3	493.9
157.5°	415.2	420.0	425.0	426.1	433.5	443.5	448.4	456.0	471.2	482.5	483.6
160°	422.2	426.0	429.7	430.7	436.6	444.5	448.4	454.9	468.0	477.7	478.3
162.5°	429.2	432.1	434.9	435.6	439.9	445.6	448.4	454.0	464.9	473.1	473.7
165°	436.8	439.4	441.9	442.6	444.6	447.2	448.4	452.4	460.2	466.1	466.8
167.5°	443.8	445.0	446.3	446.6	448.2	450.4	451.5	454.1	459.2	463.0	463.3
170°	448.4	449.6	450.9	451.2	451.3	451.4	451.5	454.1	459.2	463.0	463.0
172.5°	450.9	451.2	451.4	451.5	451.5	451.5	451.5	453.5	457.5	460.6	460.4
175°	454.3	454.3	454.3	454.3	453.4	452.1	451.5	452.8	455.3	457.2	457.2
177.5°	454.3	454.3	454.3	454.3	453.6	452.6	452.1	453.1	455.1	456.6	456.3
180°	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2
2.5°	2712.8	2705.3	2712.8	2707.8	2710.3	2702.8	2680.2	2672.8	2680.2	2687.7	2687.7
5°	2745.3	2740.3	2745.3	2745.3	2742.9	2737.8	2712.8	2707.8	2712.8	2715.3	2710.3
7.5°	2755.4	2747.9	2755.4	2750.3	2750.3	2745.3	2720.3	2715.3	2717.8	2725.3	2717.8
10°	2755.4	2747.9	2755.4	2752.8	2750.3	2745.3	2720.3	2710.3	2710.3	2717.8	2710.3
12.5°	2742.9	2737.8	2742.9	2737.8	2737.8	2732.8	2707.8	2697.8	2700.3	2702.8	2692.8
15°	2722.8	2715.3	2722.8	2717.8	2720.3	2712.8	2685.3	2675.2	2675.2	2680.2	2662.8
17.5°	2692.8	2682.8	2692.8	2690.3	2687.7	2682.8	2657.8	2647.7	2645.2	2647.7	2635.2
20°	2657.8	2650.3	2657.8	2655.2	2655.2	2645.2	2620.2	2607.7	2607.7	2607.7	2595.2
22.5°	2602.6	2595.2	2602.6	2607.7	2607.7	2605.2	2582.6	2565.2	2560.1	2560.1	2545.2
25°	2540.1	2532.6	2540.1	2540.1	2537.7	2540.1	2532.6	2522.6	2515.1	2507.6	2492.6
27.5°	2480.1	2475.1	2480.1	2475.1	2480.1	2472.6	2470.0	2467.6	2457.5	2450.0	2430.0
30°	2420.0	2415.0	2420.0	2415.0	2410.0	2405.0	2392.4	2387.5	2397.5	2392.4	2359.9
32.5°	2344.9	2339.9	2344.9	2344.9	2339.9	2339.9	2319.9	2312.4	2314.9	2329.9	2299.8
35°	2267.3	2259.8	2267.3	2264.8	2267.3	2259.8	2247.3	2244.8	2234.8	2252.3	2229.8
37.5°	2177.3	2169.7	2177.3	2177.3	2177.3	2182.2	2172.3	2164.8	2149.7	2172.3	2154.7
40°	2084.7	2074.6	2084.7	2082.1	2084.7	2089.6	2084.7	2079.7	2064.6	2082.1	2067.1
42.5°	1979.6	1977.0	1979.6	1982.1	1982.1	1992.0	1999.6	1989.6	1984.5	1972.0	1982.1
45°	1866.9	1862.0	1866.9	1871.9	1874.4	1879.4	1902.0	1902.0	1894.5	1874.4	1889.5
47.5°	1746.8	1734.3	1746.8	1761.8	1761.8	1769.3	1791.9	1809.4	1796.9	1771.8	1779.3
50°	1619.2	1621.7	1619.2	1629.2	1629.2	1656.7	1674.2	1691.8	1704.3	1674.2	1639.2
52.5°	1494.1	1491.5	1494.1	1501.6	1511.5	1524.1	1554.1	1571.6	1591.6	1574.1	1519.0
55°	1368.9	1373.9	1368.9	1371.4	1376.5	1383.9	1429.0	1446.5	1484.0	1461.5	1404.0
57.5°	1243.7	1236.2	1243.7	1248.8	1251.3	1258.8	1296.3	1328.8	1351.4	1353.9	1283.9
60°	1098.6	1088.6	1098.6	1121.2	1126.2	1131.1	1166.2	1196.2	1216.2	1223.7	1151.2
62.5°	971.0	953.5	971.0	986.0	996.1	1008.6	1033.5	1078.6	1096.1	1098.6	996.1
65°	835.8	828.3	835.8	865.9	868.4	883.5	911.0	943.5	981.0	976.0	828.3
67.5°	713.3	713.3	713.3	733.3	748.3	755.8	790.8	805.9	853.4	858.4	690.7
70°	600.6	598.1	600.6	615.7	625.6	643.2	675.7	693.3	730.7	743.2	560.5
72.5°	493.0	490.5	493.0	505.5	515.6	530.6	558.1	578.1	610.6	625.6	435.4
75°	397.9	392.9	397.9	407.9	405.4	425.5	447.9	468.0	498.0	508.0	322.8
77.5°	305.4	305.4	305.4	315.3	315.3	335.3	345.4	370.3	387.9	402.9	237.7
80°	227.8	225.2	227.8	230.2	230.2	240.3	257.7	275.3	290.3	290.3	162.7
82.5°	160.1	155.2	160.1	160.1	160.1	165.2	175.2	180.1	190.2	197.7	102.6
85°	100.1	100.1	100.1	102.6	100.1	105.1	107.6	112.6	112.6	107.6	62.6
87.5°	65.1	62.6	65.1	62.6	62.6	60.0	60.0	60.0	57.6	55.0	35.0
90°	11.5	11.5	11.5	11.5	11.5	15.4	20.6	23.2	19.9	13.4	8.6
92.5°	46.3	37.2	46.3	55.6	57.9	82.0	114.3	130.4	114.6	82.7	58.9
95°	161.7	133.8	161.7	189.6	196.6	258.2	340.4	381.4	322.1	203.5	114.6
97.5°	387.5	334.5	387.5	440.5	453.9	492.8	544.8	570.7	471.9	274.2	125.9
100°	558.4	495.1	558.4	621.7	637.4	634.6	630.7	628.9	519.2	299.8	135.4
102.5°	726.4	672.2	726.4	780.6	794.1	744.5	678.4	645.3	534.1	311.7	144.8
105°	940.6	911.5	940.6	969.7	977.0	865.8	717.6	643.5	535.8	320.4	158.8
107.5°	1080.9	1088.0	1080.9	1073.9	1072.1	917.0	710.2	606.9	511.9	322.0	179.6
110°	1134.4	1164.8	1134.4	1104.1	1096.5	923.2	692.0	576.4	490.8	319.6	191.1



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CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1139.2	1185.8	1139.2	1092.6	1081.0	903.6	667.0	548.7	472.4	319.7	205.2
115°	1109.0	1173.6	1109.0	1044.4	1028.2	857.3	629.5	515.5	451.2	322.6	226.2
117.5°	1045.0	1116.6	1045.0	973.3	955.3	801.1	595.4	492.6	438.0	328.6	246.6
120°	993.3	1063.0	993.3	923.7	906.2	765.3	577.4	483.4	433.4	333.5	258.5
122.5°	943.1	1011.7	943.1	874.4	857.2	730.3	561.0	476.4	431.1	340.5	272.5
125°	871.3	934.6	871.3	808.0	792.3	684.5	540.7	468.8	429.2	349.9	290.5
127.5°	806.8	860.3	806.8	753.4	740.1	647.5	524.2	462.4	428.1	359.4	307.9
130°	768.9	818.2	768.9	719.6	707.3	624.8	514.9	460.0	428.7	366.3	319.5
132.5°	734.4	778.5	734.4	690.2	679.2	605.4	507.1	457.9	429.2	371.9	328.9
135°	687.1	725.2	687.1	649.1	639.5	577.8	495.5	454.3	428.8	378.0	339.9
137.5°	649.3	680.4	649.3	618.0	610.2	558.0	488.4	453.6	431.4	387.1	353.9
140°	623.2	652.3	623.2	594.1	586.8	541.7	481.6	451.5	431.9	392.7	363.3
142.5°	601.7	626.7	601.7	576.6	570.3	530.7	477.9	451.5	433.4	397.4	370.3
145°	569.4	588.3	569.4	550.4	545.7	513.2	470.0	448.4	433.4	403.6	381.1
147.5°	544.6	560.2	544.6	528.9	524.9	499.4	465.4	448.4	436.4	412.4	394.5
150°	529.0	541.7	529.0	516.2	513.0	491.5	462.8	448.4	438.0	417.2	401.5
152.5°	515.6	525.2	515.6	505.9	503.6	485.2	460.7	448.4	439.0	420.1	406.0
155°	500.3	506.6	500.3	493.9	492.3	477.7	458.2	448.4	441.2	426.8	416.1
157.5°	488.2	492.6	488.2	483.6	482.5	471.2	456.0	448.4	443.5	433.5	426.1
160°	480.9	483.4	480.9	478.3	477.7	468.0	454.9	448.4	444.5	436.6	430.7
162.5°	476.1	478.6	476.1	473.7	473.1	464.9	454.0	448.4	445.6	439.9	435.6
165°	469.3	471.9	469.3	466.8	466.1	460.2	452.4	448.4	447.2	444.6	442.6
167.5°	464.4	465.5	464.4	463.3	463.0	459.2	454.1	451.5	450.4	448.2	446.6
170°	463.0	463.0	463.0	463.0	463.0	459.2	454.1	451.5	451.4	451.3	451.2
172.5°	459.4	458.5	459.4	460.4	460.6	457.5	453.5	451.5	451.5	451.5	451.5
175°	457.2	457.2	457.2	457.2	457.2	455.3	452.8	451.5	452.1	453.4	454.3
177.5°	455.3	454.3	455.3	456.3	456.6	455.1	453.1	452.1	452.6	453.6	454.3
180°	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3



TEST NUMBER: P934588

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2
2.5°	2682.8	2667.7	2667.7	2642.8	2632.7	2625.2	2612.7	2575.1	2565.2	2555.1	2570.1
5°	2705.3	2677.8	2657.8	2612.7	2575.1	2560.1	2512.6	2422.5	2362.5	2317.4	2292.4
7.5°	2710.3	2675.2	2637.7	2567.6	2477.5	2437.5	2292.4	2127.2	2082.1	2042.1	2017.1
10°	2705.3	2665.3	2612.7	2507.6	2294.9	2224.8	2079.7	1972.0	1944.5	1937.0	1944.5
12.5°	2687.7	2650.3	2577.7	2402.5	2104.7	2057.1	1972.0	1909.5	1904.5	1917.0	1984.5
15°	2657.8	2622.7	2537.7	2262.4	1999.6	1964.5	1904.5	1882.0	1909.5	1997.0	2199.8
17.5°	2627.7	2587.7	2482.6	2124.7	1919.4	1894.5	1851.9	1897.0	2052.2	2169.7	2237.3
20°	2587.7	2540.1	2420.0	2024.6	1862.0	1839.4	1819.4	2022.1	2139.7	2182.2	2219.8
22.5°	2540.1	2490.0	2334.9	1954.5	1801.8	1784.4	1796.9	2092.2	2139.7	2169.7	2202.2
25°	2477.5	2435.0	2234.8	1899.4	1754.3	1734.3	1781.8	2084.7	2112.2	2119.7	2184.8
27.5°	2420.0	2364.9	2129.7	1849.4	1696.7	1689.2	1794.3	2052.2	2072.2	2079.7	2149.7
30°	2349.9	2267.3	2012.0	1796.9	1636.7	1634.2	1796.9	2012.0	2007.1	2027.1	2097.1
32.5°	2277.4	2122.2	1879.4	1731.8	1579.2	1576.6	1779.3	1952.0	1947.1	1974.6	2027.1
35°	2209.8	2009.6	1699.3	1656.7	1506.5	1509.1	1736.8	1882.0	1884.4	1909.5	1942.0
37.5°	2139.7	1912.0	1501.6	1574.1	1436.5	1436.5	1679.3	1816.9	1811.9	1819.4	1864.4
40°	2057.1	1759.3	1326.4	1466.5	1371.4	1363.9	1609.2	1746.8	1729.2	1726.8	1789.4
42.5°	1969.5	1591.6	1196.2	1323.9	1296.3	1286.3	1524.1	1661.7	1629.2	1636.7	1716.7
45°	1874.4	1546.6	1096.1	1118.6	1218.8	1211.2	1431.5	1564.1	1541.6	1561.6	1644.2
47.5°	1779.3	1456.5	1063.6	928.4	1136.2	1133.7	1328.8	1469.0	1456.5	1476.5	1564.1
50°	1649.2	1356.4	1061.1	795.8	1043.6	1053.5	1206.3	1376.5	1376.5	1393.9	1486.5
52.5°	1481.6	1233.8	963.5	720.8	936.0	966.0	1098.6	1296.3	1301.3	1318.9	1401.4
55°	1328.8	1106.1	893.4	663.2	808.3	873.4	993.5	1213.8	1223.7	1241.3	1316.3
57.5°	1188.7	920.9	878.4	595.6	690.7	753.3	900.9	1133.7	1138.6	1153.7	1226.3
60°	1038.6	665.6	805.9	523.1	588.1	635.7	815.8	1038.6	1056.1	1066.1	1128.7
62.5°	868.4	483.0	730.7	473.0	538.1	548.0	745.8	948.4	971.0	978.5	1016.1
65°	618.1	405.4	620.7	430.5	485.5	488.0	670.7	855.8	875.9	888.4	916.0
67.5°	418.0	330.3	473.0	390.4	445.5	447.9	598.1	748.3	775.8	785.8	803.3
70°	290.3	220.3	350.3	347.9	400.4	405.4	520.5	650.7	675.7	683.2	693.3
72.5°	212.7	177.7	290.3	312.9	352.9	357.9	440.4	540.5	565.6	573.1	578.1
75°	162.7	187.7	235.3	272.8	300.3	302.8	360.4	440.4	458.0	463.0	465.5
77.5°	130.2	175.2	172.6	220.3	245.2	240.3	282.8	340.4	355.4	355.4	355.4
80°	97.6	137.6	130.2	157.7	180.1	175.2	202.7	242.8	247.8	252.7	250.2
82.5°	72.6	87.6	87.6	100.1	120.1	115.2	135.2	157.7	157.7	157.7	162.7
85°	45.1	50.1	40.0	52.6	67.5	65.1	75.0	85.1	87.6	87.6	82.6
87.5°	27.5	22.5	12.5	20.0	30.1	30.1	35.0	37.6	35.0	35.0	35.0
90°	8.0	5.5	3.1	5.5	8.0	8.6	13.4	19.9	23.2	20.6	15.4
92.5°	53.6	32.9	12.2	32.9	53.6	58.9	82.7	114.6	130.4	114.3	82.0
95°	105.1	67.1	29.3	67.1	105.1	114.6	203.5	322.1	381.4	340.4	258.2
97.5°	117.5	84.1	50.6	84.1	117.5	125.9	274.2	471.9	570.7	544.8	492.8
100°	127.8	97.4	67.0	97.4	127.8	135.4	299.8	519.2	628.9	630.7	634.6
102.5°	137.7	109.4	81.0	109.4	137.7	144.8	311.7	534.1	645.3	678.4	744.5
105°	152.8	128.9	104.9	128.9	152.8	158.8	320.4	535.8	643.5	717.6	865.8
107.5°	173.9	151.6	129.3	151.6	173.9	179.6	322.0	511.9	606.9	710.2	917.0
110°	186.1	165.8	145.7	165.8	186.1	191.1	319.6	490.8	576.4	692.0	923.2



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	200.4	181.1	161.9	181.1	200.4	205.2	319.7	472.4	548.7	667.0	903.6
115°	221.8	204.0	186.3	204.0	221.8	226.2	322.6	451.2	515.5	629.5	857.3
117.5°	242.6	226.5	210.3	226.5	242.6	246.6	328.6	438.0	492.6	595.4	801.1
120°	254.7	239.5	224.3	239.5	254.7	258.5	333.5	433.4	483.4	577.4	765.3
122.5°	268.7	253.4	238.1	253.4	268.7	272.5	340.5	431.1	476.4	561.0	730.3
125°	287.0	273.0	259.1	273.0	287.0	290.5	349.9	429.2	468.8	540.7	684.5
127.5°	304.4	290.3	276.2	290.3	304.4	307.9	359.4	428.1	462.4	524.2	647.5
130°	315.7	300.5	285.3	300.5	315.7	319.5	366.3	428.7	460.0	514.9	624.8
132.5°	325.2	310.0	294.8	310.0	325.2	328.9	371.9	429.2	457.9	507.1	605.4
135°	336.4	322.6	308.8	322.6	336.4	339.9	378.0	428.8	454.3	495.5	577.8
137.5°	350.4	336.8	323.1	336.8	350.4	353.9	387.1	431.4	453.6	488.4	558.0
140°	360.2	347.7	335.0	347.7	360.2	363.3	392.7	431.9	451.5	481.6	541.7
142.5°	367.4	355.7	344.1	355.7	367.4	370.3	397.4	433.4	451.5	477.9	530.7
145°	378.5	368.4	358.2	368.4	378.5	381.1	403.6	433.4	448.4	470.0	513.2
147.5°	392.0	382.1	372.2	382.1	392.0	394.5	412.4	436.4	448.4	465.4	499.4
150°	399.2	390.4	381.4	390.4	399.2	401.5	417.2	438.0	448.4	462.8	491.5
152.5°	404.4	397.6	390.8	397.6	404.4	406.0	420.1	439.0	448.4	460.7	485.2
155°	414.8	409.9	404.9	409.9	414.8	416.1	426.8	441.2	448.4	458.2	477.7
157.5°	425.0	420.0	415.2	420.0	425.0	426.1	433.5	443.5	448.4	456.0	471.2
160°	429.7	426.0	422.2	426.0	429.7	430.7	436.6	444.5	448.4	454.9	468.0
162.5°	434.9	432.1	429.2	432.1	434.9	435.6	439.9	445.6	448.4	454.0	464.9
165°	441.9	439.4	436.8	439.4	441.9	442.6	444.6	447.2	448.4	452.4	460.2
167.5°	446.3	445.0	443.8	445.0	446.3	446.6	448.2	450.4	451.5	454.1	459.2
170°	450.9	449.6	448.4	449.6	450.9	451.2	451.3	451.4	451.5	454.1	459.2
172.5°	451.4	451.2	450.9	451.2	451.4	451.5	451.5	451.5	451.5	453.5	457.5
175°	454.3	454.3	454.3	454.3	454.3	454.3	453.4	452.1	451.5	452.8	455.3
177.5°	454.3	454.3	454.3	454.3	454.3	454.3	453.6	452.6	452.1	453.1	455.1
180°	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3



TEST NUMBER: P934588

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2	2645.2
2.5°	2552.7	2545.2	2555.1	2527.6	2555.1	2545.2	2552.7	2570.1	2555.1	2565.2	2575.1
5°	2239.8	2227.3	2187.2	2154.7	2187.2	2227.3	2239.8	2292.4	2317.4	2362.5	2422.5
7.5°	2002.1	1992.0	1982.1	1962.0	1982.1	1992.0	2002.1	2017.1	2042.1	2082.1	2127.2
10°	1949.5	1952.0	1967.1	1964.5	1967.1	1952.0	1949.5	1944.5	1937.0	1944.5	1972.0
12.5°	2084.7	2107.2	2189.8	2184.8	2189.8	2107.2	2084.7	1984.5	1917.0	1904.5	1909.5
15°	2239.8	2247.3	2264.8	2267.3	2264.8	2247.3	2239.8	2199.8	1997.0	1909.5	1882.0
17.5°	2254.8	2257.3	2269.9	2269.9	2269.9	2257.3	2254.8	2237.3	2169.7	2052.2	1897.0
20°	2242.4	2247.3	2272.3	2277.4	2272.3	2247.3	2242.4	2219.8	2182.2	2139.7	2022.1
22.5°	2237.3	2247.3	2267.3	2264.8	2267.3	2247.3	2237.3	2202.2	2169.7	2139.7	2092.2
25°	2212.3	2212.3	2214.8	2217.3	2214.8	2212.3	2212.3	2184.8	2119.7	2112.2	2084.7
27.5°	2159.7	2164.8	2179.8	2177.3	2179.8	2164.8	2159.7	2149.7	2079.7	2072.2	2052.2
30°	2112.2	2107.2	2094.7	2084.7	2094.7	2107.2	2112.2	2097.1	2027.1	2007.1	2012.0
32.5°	2032.1	2019.6	2007.1	1999.6	2007.1	2019.6	2032.1	2027.1	1974.6	1947.1	1952.0
35°	1937.0	1939.5	1937.0	1929.5	1937.0	1939.5	1937.0	1942.0	1909.5	1884.4	1882.0
37.5°	1869.5	1874.4	1871.9	1862.0	1871.9	1874.4	1869.5	1864.4	1819.4	1811.9	1816.9
40°	1799.4	1801.8	1799.4	1791.9	1799.4	1801.8	1799.4	1789.4	1726.8	1729.2	1746.8
42.5°	1731.8	1729.2	1721.8	1716.7	1721.8	1729.2	1731.8	1716.7	1636.7	1629.2	1661.7
45°	1654.2	1656.7	1641.7	1634.2	1641.7	1656.7	1654.2	1644.2	1561.6	1541.6	1564.1
47.5°	1576.6	1576.6	1564.1	1556.6	1564.1	1576.6	1576.6	1564.1	1476.5	1456.5	1469.0
50°	1494.1	1491.5	1474.1	1471.5	1474.1	1491.5	1494.1	1486.5	1393.9	1376.5	1376.5
52.5°	1398.9	1398.9	1401.4	1406.4	1401.4	1398.9	1398.9	1401.4	1318.9	1301.3	1296.3
55°	1316.3	1318.9	1336.4	1341.4	1336.4	1318.9	1316.3	1316.3	1241.3	1223.7	1213.8
57.5°	1231.3	1231.3	1243.7	1243.7	1243.7	1231.3	1231.3	1226.3	1153.7	1138.6	1133.7
60°	1133.7	1138.6	1148.7	1146.2	1148.7	1138.6	1133.7	1128.7	1066.1	1056.1	1038.6
62.5°	1031.1	1036.1	1038.6	1033.5	1038.6	1036.1	1031.1	1016.1	978.5	971.0	948.4
65°	923.5	928.4	931.0	926.0	931.0	928.4	923.5	916.0	888.4	875.9	855.8
67.5°	813.4	810.8	808.3	818.4	808.3	810.8	813.4	803.3	785.8	775.8	748.3
70°	700.8	700.8	698.2	703.2	698.2	700.8	700.8	693.3	683.2	675.7	650.7
72.5°	580.6	578.1	588.1	580.6	588.1	578.1	580.6	578.1	573.1	565.6	540.5
75°	463.0	468.0	463.0	470.5	463.0	468.0	463.0	465.5	463.0	458.0	440.4
77.5°	352.9	357.9	352.9	352.9	352.9	357.9	352.9	355.4	355.4	355.4	340.4
80°	250.2	247.8	247.8	245.2	247.8	247.8	250.2	250.2	252.7	247.8	242.8
82.5°	160.1	157.7	157.7	162.7	157.7	157.7	160.1	162.7	157.7	157.7	157.7
85°	87.6	90.1	85.1	85.1	85.1	90.1	87.6	82.6	87.6	87.6	85.1
87.5°	32.5	30.1	30.1	30.1	30.1	30.1	32.5	35.0	35.0	35.0	37.6
90°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	15.4	20.6	23.2	19.9
92.5°	57.9	55.6	46.3	37.2	46.3	55.6	57.9	82.0	114.3	130.4	114.6
95°	196.6	189.6	161.7	133.8	161.7	189.6	196.6	258.2	340.4	381.4	322.1
97.5°	453.9	440.5	387.5	334.5	387.5	440.5	453.9	492.8	544.8	570.7	471.9
100°	637.4	621.7	558.4	495.1	558.4	621.7	637.4	634.6	630.7	628.9	519.2
102.5°	794.1	780.6	726.4	672.2	726.4	780.6	794.1	744.5	678.4	645.3	534.1
105°	977.0	969.7	940.6	911.5	940.6	969.7	977.0	865.8	717.6	643.5	535.8
107.5°	1072.1	1073.9	1080.9	1088.0	1080.9	1073.9	1072.1	917.0	710.2	606.9	511.9
110°	1096.5	1104.1	1134.4	1164.8	1134.4	1104.1	1096.5	923.2	692.0	576.4	490.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1081.0	1092.6	1139.2	1185.8	1139.2	1092.6	1081.0	903.6	667.0	548.7	472.4
115°	1028.2	1044.4	1109.0	1173.6	1109.0	1044.4	1028.2	857.3	629.5	515.5	451.2
117.5°	955.3	973.3	1045.0	1116.6	1045.0	973.3	955.3	801.1	595.4	492.6	438.0
120°	906.2	923.7	993.3	1063.0	993.3	923.7	906.2	765.3	577.4	483.4	433.4
122.5°	857.2	874.4	943.1	1011.7	943.1	874.4	857.2	730.3	561.0	476.4	431.1
125°	792.3	808.0	871.3	934.6	871.3	808.0	792.3	684.5	540.7	468.8	429.2
127.5°	740.1	753.4	806.8	860.3	806.8	753.4	740.1	647.5	524.2	462.4	428.1
130°	707.3	719.6	768.9	818.2	768.9	719.6	707.3	624.8	514.9	460.0	428.7
132.5°	679.2	690.2	734.4	778.5	734.4	690.2	679.2	605.4	507.1	457.9	429.2
135°	639.5	649.1	687.1	725.2	687.1	649.1	639.5	577.8	495.5	454.3	428.8
137.5°	610.2	618.0	649.3	680.4	649.3	618.0	610.2	558.0	488.4	453.6	431.4
140°	586.8	594.1	623.2	652.3	623.2	594.1	586.8	541.7	481.6	451.5	431.9
142.5°	570.3	576.6	601.7	626.7	601.7	576.6	570.3	530.7	477.9	451.5	433.4
145°	545.7	550.4	569.4	588.3	569.4	550.4	545.7	513.2	470.0	448.4	433.4
147.5°	524.9	528.9	544.6	560.2	544.6	528.9	524.9	499.4	465.4	448.4	436.4
150°	513.0	516.2	529.0	541.7	529.0	516.2	513.0	491.5	462.8	448.4	438.0
152.5°	503.6	505.9	515.6	525.2	515.6	505.9	503.6	485.2	460.7	448.4	439.0
155°	492.3	493.9	500.3	506.6	500.3	493.9	492.3	477.7	458.2	448.4	441.2
157.5°	482.5	483.6	488.2	492.6	488.2	483.6	482.5	471.2	456.0	448.4	443.5
160°	477.7	478.3	480.9	483.4	480.9	478.3	477.7	468.0	454.9	448.4	444.5
162.5°	473.1	473.7	476.1	478.6	476.1	473.7	473.1	464.9	454.0	448.4	445.6
165°	466.1	466.8	469.3	471.9	469.3	466.8	466.1	460.2	452.4	448.4	447.2
167.5°	463.0	463.3	464.4	465.5	464.4	463.3	463.0	459.2	454.1	451.5	450.4
170°	463.0	463.0	463.0	463.0	463.0	463.0	463.0	459.2	454.1	451.5	451.4
172.5°	460.6	460.4	459.4	458.5	459.4	460.4	460.6	457.5	453.5	451.5	451.5
175°	457.2	457.2	457.2	457.2	457.2	457.2	457.2	455.3	452.8	451.5	452.1
177.5°	456.6	456.3	455.3	454.3	455.3	456.3	456.6	455.1	453.1	452.1	452.6
180°	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2645.2	2645.2	2645.2	2645.2	2645.2
2.5°	2612.7	2625.2	2632.7	2642.8	2667.7
5°	2512.6	2560.1	2575.1	2612.7	2657.8
7.5°	2292.4	2437.5	2477.5	2567.6	2637.7
10°	2079.7	2224.8	2294.9	2507.6	2612.7
12.5°	1972.0	2057.1	2104.7	2402.5	2577.7
15°	1904.5	1964.5	1999.6	2262.4	2537.7
17.5°	1851.9	1894.5	1919.4	2124.7	2482.6
20°	1819.4	1839.4	1862.0	2024.6	2420.0
22.5°	1796.9	1784.4	1801.8	1954.5	2334.9
25°	1781.8	1734.3	1754.3	1899.4	2234.8
27.5°	1794.3	1689.2	1696.7	1849.4	2129.7
30°	1796.9	1634.2	1636.7	1796.9	2012.0
32.5°	1779.3	1576.6	1579.2	1731.8	1879.4
35°	1736.8	1509.1	1506.5	1656.7	1699.3
37.5°	1679.3	1436.5	1436.5	1574.1	1501.6
40°	1609.2	1363.9	1371.4	1466.5	1326.4
42.5°	1524.1	1286.3	1296.3	1323.9	1196.2
45°	1431.5	1211.2	1218.8	1118.6	1096.1
47.5°	1328.8	1133.7	1136.2	928.4	1063.6
50°	1206.3	1053.5	1043.6	795.8	1061.1
52.5°	1098.6	966.0	936.0	720.8	963.5
55°	993.5	873.4	808.3	663.2	893.4
57.5°	900.9	753.3	690.7	595.6	878.4
60°	815.8	635.7	588.1	523.1	805.9
62.5°	745.8	548.0	538.1	473.0	730.7
65°	670.7	488.0	485.5	430.5	620.7
67.5°	598.1	447.9	445.5	390.4	473.0
70°	520.5	405.4	400.4	347.9	350.3
72.5°	440.4	357.9	352.9	312.9	290.3
75°	360.4	302.8	300.3	272.8	235.3
77.5°	282.8	240.3	245.2	220.3	172.6
80°	202.7	175.2	180.1	157.7	130.2
82.5°	135.2	115.2	120.1	100.1	87.6
85°	75.0	65.1	67.5	52.6	40.0
87.5°	35.0	30.1	30.1	20.0	12.5
90°	13.4	8.6	8.0	5.5	3.1
92.5°	82.7	58.9	53.6	32.9	12.2
95°	203.5	114.6	105.1	67.1	29.3
97.5°	274.2	125.9	117.5	84.1	50.6
100°	299.8	135.4	127.8	97.4	67.0
102.5°	311.7	144.8	137.7	109.4	81.0
105°	320.4	158.8	152.8	128.9	104.9
107.5°	322.0	179.6	173.9	151.6	129.3
110°	319.6	191.1	186.1	165.8	145.7



TEST NUMBER: P934588

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	319.7	205.2	200.4	181.1	161.9
115°	322.6	226.2	221.8	204.0	186.3
117.5°	328.6	246.6	242.6	226.5	210.3
120°	333.5	258.5	254.7	239.5	224.3
122.5°	340.5	272.5	268.7	253.4	238.1
125°	349.9	290.5	287.0	273.0	259.1
127.5°	359.4	307.9	304.4	290.3	276.2
130°	366.3	319.5	315.7	300.5	285.3
132.5°	371.9	328.9	325.2	310.0	294.8
135°	378.0	339.9	336.4	322.6	308.8
137.5°	387.1	353.9	350.4	336.8	323.1
140°	392.7	363.3	360.2	347.7	335.0
142.5°	397.4	370.3	367.4	355.7	344.1
145°	403.6	381.1	378.5	368.4	358.2
147.5°	412.4	394.5	392.0	382.1	372.2
150°	417.2	401.5	399.2	390.4	381.4
152.5°	420.1	406.0	404.4	397.6	390.8
155°	426.8	416.1	414.8	409.9	404.9
157.5°	433.5	426.1	425.0	420.0	415.2
160°	436.6	430.7	429.7	426.0	422.2
162.5°	439.9	435.6	434.9	432.1	429.2
165°	444.6	442.6	441.9	439.4	436.8
167.5°	448.2	446.6	446.3	445.0	443.8
170°	451.3	451.2	450.9	449.6	448.4
172.5°	451.5	451.5	451.4	451.2	450.9
175°	453.4	454.3	454.3	454.3	454.3
177.5°	453.6	454.3	454.3	454.3	454.3
180°	454.3	454.3	454.3	454.3	454.3



TEST NUMBER: P934588
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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	16.18	17.26	16.94	18.04	19.00	19.00	20.08	19.77	20.87	21.82
	3H	16.67	17.64	17.45	18.43	19.42	20.36	21.33	21.14	22.13	23.11
	4H	16.87	17.79	17.67	18.59	19.59	20.82	21.73	21.61	22.53	23.53
	6H	17.00	17.84	17.81	18.66	19.67	21.11	21.95	21.92	22.77	23.78
	8H	17.01	17.81	17.83	18.64	19.66	21.19	21.99	22.01	22.82	23.84
	12H	16.99	17.75	17.81	18.58	19.62	21.24	22.00	22.06	22.83	23.86
4H	2H	17.24	18.15	18.04	18.95	19.95	19.44	20.35	20.24	21.16	22.15
	3H	18.28	19.04	19.10	19.88	20.89	20.96	21.72	21.78	22.56	23.57
	4H	18.57	19.26	19.40	20.10	21.14	21.50	22.19	22.33	23.03	24.07
	6H	18.71	19.30	19.55	20.17	21.21	21.88	22.47	22.72	23.34	24.38
	8H	18.72	19.27	19.56	20.13	21.19	21.99	22.54	22.83	23.40	24.46
	12H	18.69	19.20	19.56	20.07	21.14	22.05	22.55	22.92	23.43	24.50
8H	4H	19.04	19.60	19.89	20.45	21.51	21.64	22.20	22.49	23.06	24.11
	6H	19.31	19.77	20.18	20.67	21.73	22.09	22.55	22.96	23.45	24.50
	8H	19.35	19.76	20.24	20.66	21.73	22.24	22.65	23.12	23.54	24.62
	12H	19.35	19.71	20.24	20.59	21.72	22.35	22.71	23.23	23.59	24.72
12H	4H	19.06	19.56	19.92	20.44	21.50	21.62	22.12	22.48	23.00	24.06
	6H	19.37	19.78	20.26	20.68	21.75	22.08	22.49	22.97	23.39	24.46
	8H	19.45	19.81	20.34	20.70	21.82	22.25	22.62	23.14	23.50	24.63