

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: P933955

Luminaire Tested: SQ4-FA-025U-075D-93050-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P933955
REPORT IS A COMBINATION OF REPORTS P933677 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-025U-075D-93050-1D-UNV-STD-W-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

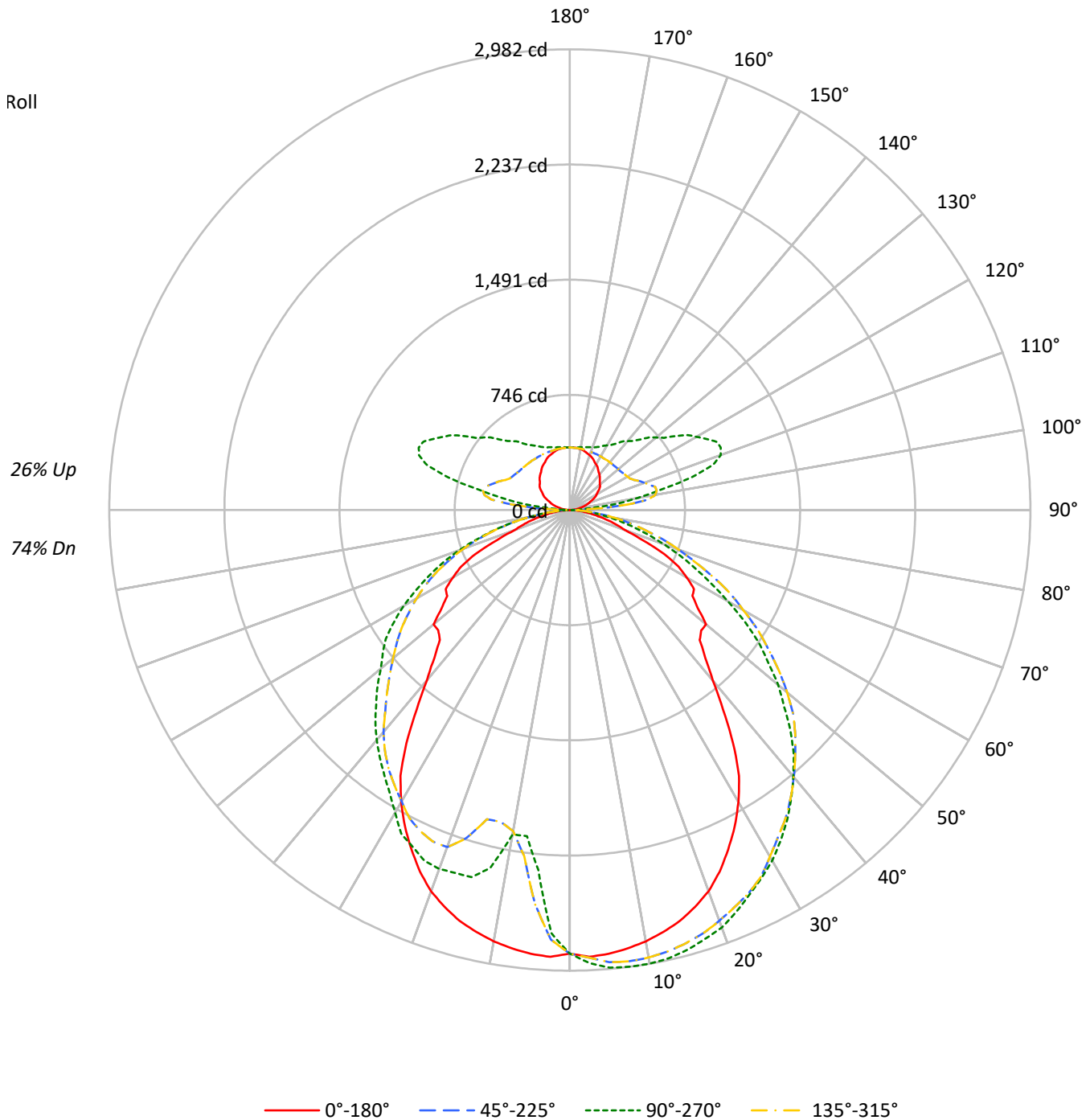
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10070.7 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 90
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





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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	0
RCR																					
0	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	78	78	78	74
1	103	99	95	91	98	94	90	87	85	82	80	77	75	73	69	68	66	66	66	66	62
2	94	86	80	75	89	82	77	72	75	70	66	68	64	61	61	58	56	56	56	56	52
3	86	76	68	62	81	72	66	60	66	60	56	60	55	52	54	51	48	48	48	48	44
4	79	67	59	53	74	64	57	51	59	52	48	53	48	44	48	44	41	41	41	41	38
5	72	60	52	45	68	57	50	44	52	46	41	48	42	38	43	39	36	36	36	36	33
6	67	54	46	39	63	52	44	38	47	41	36	43	38	34	39	35	31	31	31	31	29
7	62	49	41	35	58	47	39	34	43	36	32	39	34	30	36	31	28	28	28	28	26
8	57	44	36	31	54	43	35	30	39	33	28	36	31	27	33	28	25	25	25	25	23
9	53	41	33	28	51	39	32	27	36	30	25	33	28	24	30	26	23	23	23	23	21
10	50	37	30	25	48	36	29	24	33	27	23	31	25	22	28	24	20	20	20	20	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8878	8878	8878	8878
5°	8948	8962	8948	7047
10°	8891	8828	8891	6311
15°	8798	8637	8798	7212
20°	8618	8410	8618	7227
25°	8244	8080	8244	7074
30°	7760	7805	7760	6738
35°	6922	7459	6922	6368
40°	5771	7050	5771	6089
45°	5160	6571	5160	5768
50°	5486	6001	5486	5445
55°	5166	5387	5166	5259
60°	5332	4575	5332	4817
65°	4842	3782	4842	4227
70°	3361	3014	3361	3544
75°	2959	2228	2959	2668
80°	2402	1473	2402	1604
85°	1406	780	1406	663

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7903 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.1	2.6
10°-20°	735.6	7.3
20°-30°	1137.2	11.3
30°-40°	1357.5	13.5
40°-50°	1365.5	13.6
50°-60°	1188.1	11.8
60°-70°	842.4	8.4
70°-80°	445.7	4.4
80°-90°	112.5	1.1
90°-100°	197.5	2.0
100°-110°	519.3	5.2
110°-120°	538.5	5.3
120°-130°	431.9	4.3
130°-140°	338.9	3.4
140°-150°	260.1	2.6
150°-160°	187.3	1.9
160°-170°	114.6	1.1
170°-180°	38.7	0.4
0°-30°	2131.9	21.2
0°-40°	3489.5	34.6
0°-60°	6043.1	60.0
0°-90°	7443.7	73.9
90°-120°	1255.4	12.5
90°-150°	2286.3	22.7
90°-180°	2627.0	26.1
0°-180°	10070.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2870	2870	2870	2870	2870	
5°	2884	2974	2884	2338	2884	274
15°	2754	2946	2754	2460	2754	775
25°	2425	2748	2425	2406	2425	1113
35°	1844	2452	1844	2094	1844	1141
45°	1189	2020	1189	1773	1189	953
55°	969	1491	969	1456	969	891
65°	673	899	673	1005	673	644
75°	255	426	255	510	255	268
85°	43	109	43	92	43	59
90°	3	10	3	10	3	4
95°	26	119	26	119	26	29
105°	94	813	94	813	94	99
115°	166	1047	166	1047	166	164
125°	231	834	231	834	231	205
135°	276	647	276	647	276	213
145°	320	525	320	525	320	200
155°	361	452	361	452	361	166
165°	390	421	390	421	390	110
175°	405	408	405	408	405	38
180°	405	405	405	405	405	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4
2.5°	2894.8	2894.8	2911.1	2916.5	2916.5	2908.4	2900.2	2908.4	2932.8	2941.0	2938.2
5°	2883.9	2905.7	2935.5	2941.0	2946.4	2943.7	2938.2	2943.7	2970.8	2976.3	2979.0
7.5°	2862.2	2902.9	2941.0	2949.1	2957.3	2949.1	2946.4	2951.8	2979.0	2984.4	2984.4
10°	2835.1	2892.1	2935.5	2941.0	2949.1	2941.0	2941.0	2951.8	2979.0	2984.4	2987.1
12.5°	2797.0	2875.8	2916.5	2922.0	2932.8	2930.1	2927.4	2938.2	2965.4	2970.8	2970.8
15°	2753.6	2845.9	2883.9	2889.4	2908.4	2902.9	2902.9	2913.8	2943.7	2951.8	2949.1
17.5°	2693.8	2807.9	2851.3	2859.5	2873.1	2870.4	2873.1	2883.9	2911.1	2916.5	2919.2
20°	2626.0	2756.3	2807.9	2816.0	2829.6	2829.6	2829.6	2843.2	2870.4	2881.2	2881.2
22.5°	2533.6	2702.0	2756.3	2761.7	2778.0	2778.0	2783.5	2802.5	2826.9	2829.6	2829.6
25°	2425.0	2642.3	2688.4	2704.7	2721.0	2729.2	2737.3	2748.2	2756.3	2753.6	2756.3
27.5°	2310.9	2566.2	2626.0	2636.8	2658.5	2666.7	2677.6	2680.3	2683.0	2691.1	2685.7
30°	2183.2	2460.3	2549.9	2560.8	2596.1	2601.5	2590.7	2596.1	2609.7	2615.1	2620.5
32.5°	2039.3	2302.7	2471.2	2495.6	2528.2	2511.9	2509.2	2517.3	2539.1	2539.1	2544.5
35°	1843.8	2180.5	2397.9	2419.6	2444.0	2425.0	2435.9	2438.6	2452.2	2460.3	2457.6
37.5°	1629.3	2074.6	2321.7	2338.0	2357.0	2332.6	2348.9	2357.0	2367.9	2362.5	2362.5
40°	1439.2	1909.0	2232.1	2243.0	2259.3	2240.3	2256.6	2262.0	2267.4	2262.0	2259.3
42.5°	1298.0	1727.0	2137.1	2150.7	2139.8	2153.4	2158.8	2169.7	2161.5	2150.7	2150.7
45°	1189.4	1678.2	2033.9	2050.2	2033.9	2055.6	2063.8	2063.8	2039.3	2033.9	2031.2
47.5°	1154.1	1580.4	1930.7	1930.7	1922.6	1949.7	1963.3	1944.3	1919.8	1911.7	1911.7
50°	1151.4	1471.8	1789.5	1778.6	1816.7	1849.2	1835.7	1816.7	1797.6	1767.8	1767.8
52.5°	1045.5	1338.7	1607.6	1648.3	1708.0	1727.0	1705.3	1686.3	1653.7	1640.2	1629.3
55°	969.4	1200.2	1441.9	1523.4	1585.8	1610.3	1569.5	1550.5	1501.7	1493.5	1488.1
57.5°	953.1	999.3	1289.9	1393.0	1469.1	1466.4	1441.9	1406.6	1365.9	1357.7	1355.0
60°	874.4	722.3	1126.9	1249.1	1327.9	1319.7	1298.0	1265.4	1227.4	1222.0	1216.5
62.5°	792.9	524.1	942.3	1080.8	1192.1	1189.4	1170.4	1121.5	1094.3	1080.8	1069.9
65°	673.4	439.9	670.7	898.8	1059.0	1064.5	1023.7	988.4	958.6	942.3	939.6
67.5°	513.2	358.4	453.5	749.5	931.4	926.0	874.4	858.1	820.1	811.9	795.6
70°	380.2	239.0	315.0	608.3	806.5	792.9	752.2	733.2	697.9	678.9	668.0
72.5°	315.0	192.8	230.8	472.5	678.9	662.6	627.3	605.6	575.7	559.4	548.5
75°	255.3	203.7	176.5	350.3	551.2	540.4	507.8	486.1	461.6	439.9	442.6
77.5°	187.4	190.1	141.2	258.0	437.2	420.9	401.9	374.7	363.9	342.2	342.2
80°	141.2	149.4	105.9	176.5	315.0	315.0	298.7	279.7	260.7	249.8	249.8
82.5°	95.0	95.0	78.7	111.3	214.5	206.4	195.5	190.1	179.2	173.8	173.8
85°	43.4	54.3	48.9	67.9	116.8	122.2	122.2	116.8	114.1	108.6	111.3
87.5°	13.6	24.4	29.9	38.0	59.7	62.5	65.2	65.2	65.2	67.9	67.9
90°	2.7	4.9	7.1	7.6	11.9	17.7	20.6	18.4	13.8	10.3	10.3
92.5°	10.9	29.3	47.9	52.5	73.8	102.2	116.4	102.0	73.2	51.7	49.6
95°	26.1	59.9	93.8	102.3	181.6	287.4	340.3	303.6	230.4	175.4	169.2
97.5°	45.2	75.0	104.9	112.3	244.6	421.0	509.2	486.0	439.7	405.0	393.1
100°	59.8	86.9	114.0	120.7	267.6	463.3	561.1	562.8	566.2	568.7	554.6
102.5°	72.3	97.6	122.8	129.2	278.1	476.6	575.8	605.3	664.2	708.5	696.3
105°	93.6	115.0	136.3	141.7	285.8	478.0	574.1	640.2	772.5	871.7	865.2
107.5°	115.3	135.2	155.2	160.2	287.3	456.7	541.5	633.7	818.2	956.6	958.1
110°	130.0	148.0	166.0	170.5	285.1	437.9	514.3	617.4	823.6	978.3	985.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	144.5	161.6	178.8	183.0	285.2	421.4	489.6	595.1	806.1	964.4	974.9
115°	166.2	182.0	197.9	201.9	287.8	402.5	459.9	561.6	764.9	917.4	931.8
117.5°	187.6	202.0	216.4	220.0	293.2	390.8	439.5	531.3	714.8	852.4	868.4
120°	200.1	213.7	227.3	230.6	297.5	386.7	431.3	515.1	682.9	808.6	824.1
122.5°	212.4	226.1	239.7	243.1	303.8	384.6	425.1	500.6	651.5	764.8	780.1
125°	231.2	243.7	256.2	259.2	312.3	383.0	418.3	482.4	610.6	706.8	721.0
127.5°	246.4	259.0	271.5	274.7	320.7	382.0	412.6	467.6	577.8	660.3	672.3
130°	254.5	268.1	281.7	285.0	326.9	382.5	410.4	459.5	557.5	631.0	642.0
132.5°	263.0	276.5	290.1	293.5	331.8	383.0	408.5	452.4	540.2	606.0	615.9
135°	275.5	287.8	300.2	303.2	337.3	382.6	405.2	442.0	515.5	570.6	579.1
137.5°	288.3	300.5	312.6	315.7	345.4	385.0	404.7	435.7	497.8	544.5	551.4
140°	298.9	310.1	321.4	324.2	350.4	385.3	402.8	429.6	483.3	523.5	530.1
142.5°	307.0	317.4	327.8	330.5	354.6	386.7	402.8	426.3	473.5	508.9	514.5
145°	319.6	328.7	337.7	340.0	360.0	386.7	400.1	419.4	457.9	486.8	491.0
147.5°	332.1	340.9	349.8	351.9	367.9	389.4	400.1	415.3	445.6	468.3	471.9
150°	340.3	348.2	356.2	358.2	372.1	390.8	400.1	412.9	438.6	457.7	460.5
152.5°	348.7	354.7	360.7	362.2	374.8	391.7	400.1	411.0	432.9	449.3	451.5
155°	361.2	365.6	370.1	371.2	380.8	393.7	400.1	408.8	426.2	439.3	440.7
157.5°	370.4	374.7	379.2	380.3	386.9	395.6	400.1	406.9	420.4	430.5	431.5
160°	376.7	380.1	383.5	384.3	389.6	396.6	400.1	405.9	417.5	426.1	426.7
162.5°	383.0	385.5	388.0	388.7	392.5	397.5	400.1	405.0	414.7	422.1	422.6
165°	389.8	392.0	394.4	394.9	396.6	398.9	400.1	403.6	410.6	415.8	416.4
167.5°	396.0	397.1	398.2	398.5	399.9	401.8	402.8	405.1	409.7	413.1	413.4
170°	400.1	401.2	402.3	402.5	402.6	402.7	402.8	405.1	409.7	413.1	413.1
172.5°	402.3	402.5	402.7	402.8	402.8	402.8	402.8	404.6	408.2	410.9	410.8
175°	405.2	405.2	405.2	405.2	404.4	403.3	402.8	404.0	406.2	408.0	408.0
177.5°	405.2	405.2	405.2	405.2	404.6	403.8	403.3	404.2	406.1	407.4	407.1
180°	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4
2.5°	2943.7	2935.5	2943.7	2938.2	2941.0	2932.8	2908.4	2900.2	2908.4	2916.5	2916.5
5°	2979.0	2973.5	2979.0	2979.0	2976.3	2970.8	2943.7	2938.2	2943.7	2946.4	2941.0
7.5°	2989.8	2981.7	2989.8	2984.4	2984.4	2979.0	2951.8	2946.4	2949.1	2957.3	2949.1
10°	2989.8	2981.7	2989.8	2987.1	2984.4	2979.0	2951.8	2941.0	2941.0	2949.1	2941.0
12.5°	2976.3	2970.8	2976.3	2970.8	2970.8	2965.4	2938.2	2927.4	2930.1	2932.8	2922.0
15°	2954.5	2946.4	2954.5	2949.1	2951.8	2943.7	2913.8	2902.9	2902.9	2908.4	2889.4
17.5°	2922.0	2911.1	2922.0	2919.2	2916.5	2911.1	2883.9	2873.1	2870.4	2873.1	2859.5
20°	2883.9	2875.8	2883.9	2881.2	2881.2	2870.4	2843.2	2829.6	2829.6	2829.6	2816.0
22.5°	2824.2	2816.0	2824.2	2829.6	2829.6	2826.9	2802.5	2783.5	2778.0	2778.0	2761.7
25°	2756.3	2748.2	2756.3	2756.3	2753.6	2756.3	2748.2	2737.3	2729.2	2721.0	2704.7
27.5°	2691.1	2685.7	2691.1	2685.7	2691.1	2683.0	2680.3	2677.6	2666.7	2658.5	2636.8
30°	2626.0	2620.5	2626.0	2620.5	2615.1	2609.7	2596.1	2590.7	2601.5	2596.1	2560.8
32.5°	2544.5	2539.1	2544.5	2544.5	2539.1	2539.1	2517.3	2509.2	2511.9	2528.2	2495.6
35°	2460.3	2452.2	2460.3	2457.6	2460.3	2452.2	2438.6	2435.9	2425.0	2444.0	2419.6
37.5°	2362.5	2354.3	2362.5	2362.5	2362.5	2367.9	2357.0	2348.9	2332.6	2357.0	2338.0
40°	2262.0	2251.1	2262.0	2259.3	2262.0	2267.4	2262.0	2256.6	2240.3	2259.3	2243.0
42.5°	2147.9	2145.2	2147.9	2150.7	2150.7	2161.5	2169.7	2158.8	2153.4	2139.8	2150.7
45°	2025.8	2020.3	2025.8	2031.2	2033.9	2039.3	2063.8	2063.8	2055.6	2033.9	2050.2
47.5°	1895.4	1881.8	1895.4	1911.7	1911.7	1919.8	1944.3	1963.3	1949.7	1922.6	1930.7
50°	1756.9	1759.6	1756.9	1767.8	1767.8	1797.6	1816.7	1835.7	1849.2	1816.7	1778.6
52.5°	1621.1	1618.4	1621.1	1629.3	1640.2	1653.7	1686.3	1705.3	1727.0	1708.0	1648.3
55°	1485.4	1490.8	1485.4	1488.1	1493.5	1501.7	1550.5	1569.5	1610.3	1585.8	1523.4
57.5°	1349.6	1341.4	1349.6	1355.0	1357.7	1365.9	1406.6	1441.9	1466.4	1469.1	1393.0
60°	1192.1	1181.2	1192.1	1216.5	1222.0	1227.4	1265.4	1298.0	1319.7	1327.9	1249.1
62.5°	1053.6	1034.6	1053.6	1069.9	1080.8	1094.3	1121.5	1170.4	1189.4	1192.1	1080.8
65°	907.0	898.8	907.0	939.6	942.3	958.6	988.4	1023.7	1064.5	1059.0	898.8
67.5°	773.9	773.9	773.9	795.6	811.9	820.1	858.1	874.4	926.0	931.4	749.5
70°	651.7	649.0	651.7	668.0	678.9	697.9	733.2	752.2	792.9	806.5	608.3
72.5°	535.0	532.2	535.0	548.5	559.4	575.7	605.6	627.3	662.6	678.9	472.5
75°	431.8	426.3	431.8	442.6	439.9	461.6	486.1	507.8	540.4	551.2	350.3
77.5°	331.3	331.3	331.3	342.2	342.2	363.9	374.7	401.9	420.9	437.2	258.0
80°	247.1	244.4	247.1	249.8	249.8	260.7	279.7	298.7	315.0	315.0	176.5
82.5°	173.8	168.4	173.8	173.8	173.8	179.2	190.1	195.5	206.4	214.5	111.3
85°	108.6	108.6	108.6	111.3	108.6	114.1	116.8	122.2	122.2	116.8	67.9
87.5°	70.6	67.9	70.6	67.9	67.9	65.2	65.2	65.2	62.5	59.7	38.0
90°	10.3	10.3	10.3	10.3	10.3	13.8	18.4	20.6	17.7	11.9	7.6
92.5°	41.5	33.2	41.5	49.6	51.7	73.2	102.0	116.4	102.2	73.8	52.5
95°	144.3	119.4	144.3	169.2	175.4	230.4	303.6	340.3	287.4	181.6	102.3
97.5°	345.8	298.3	345.8	393.1	405.0	439.7	486.0	509.2	421.0	244.6	112.3
100°	498.2	441.7	498.2	554.6	568.7	566.2	562.8	561.1	463.3	267.6	120.7
102.5°	648.0	599.7	648.0	696.3	708.5	664.2	605.3	575.8	476.6	278.1	129.2
105°	839.2	813.2	839.2	865.2	871.7	772.5	640.2	574.1	478.0	285.8	141.7
107.5°	964.4	970.7	964.4	958.1	956.6	818.2	633.7	541.5	456.7	287.3	160.2
110°	1012.2	1039.2	1012.2	985.1	978.3	823.6	617.4	514.3	437.9	285.1	170.5



TEST NUMBER: P933955

CATALOG NUMBER: SQ4-FA-025U-075D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1016.4	1058.0	1016.4	974.9	964.4	806.1	595.1	489.6	421.4	285.2	183.0
115°	989.4	1047.1	989.4	931.8	917.4	764.9	561.6	459.9	402.5	287.8	201.9
117.5°	932.3	996.2	932.3	868.4	852.4	714.8	531.3	439.5	390.8	293.2	220.0
120°	886.2	948.3	886.2	824.1	808.6	682.9	515.1	431.3	386.7	297.5	230.6
122.5°	841.4	902.7	841.4	780.1	764.8	651.5	500.6	425.1	384.6	303.8	243.1
125°	777.4	833.8	777.4	721.0	706.8	610.6	482.4	418.3	383.0	312.3	259.2
127.5°	719.9	767.5	719.9	672.3	660.3	577.8	467.6	412.6	382.0	320.7	274.7
130°	686.0	730.0	686.0	642.0	631.0	557.5	459.5	410.4	382.5	326.9	285.0
132.5°	655.2	694.6	655.2	615.9	606.0	540.2	452.4	408.5	383.0	331.8	293.5
135°	613.1	647.0	613.1	579.1	570.6	515.5	442.0	405.2	382.6	337.3	303.2
137.5°	579.2	607.1	579.2	551.4	544.5	497.8	435.7	404.7	385.0	345.4	315.7
140°	556.0	582.0	556.0	530.1	523.5	483.3	429.6	402.8	385.3	350.4	324.2
142.5°	536.9	559.2	536.9	514.5	508.9	473.5	426.3	402.8	386.7	354.6	330.5
145°	508.0	524.9	508.0	491.0	486.8	457.9	419.4	400.1	386.7	360.0	340.0
147.5°	485.9	499.9	485.9	471.9	468.3	445.6	415.3	400.1	389.4	367.9	351.9
150°	472.0	483.3	472.0	460.5	457.7	438.6	412.9	400.1	390.8	372.1	358.2
152.5°	460.0	468.6	460.0	451.5	449.3	432.9	411.0	400.1	391.7	374.8	362.2
155°	446.3	452.0	446.3	440.7	439.3	426.2	408.8	400.1	393.7	380.8	371.2
157.5°	435.6	439.5	435.6	431.5	430.5	420.4	406.9	400.1	395.6	386.9	380.3
160°	429.0	431.3	429.0	426.7	426.1	417.5	405.9	400.1	396.6	389.6	384.3
162.5°	424.8	427.0	424.8	422.6	422.1	414.7	405.0	400.1	397.5	392.5	388.7
165°	418.7	421.0	418.7	416.4	415.8	410.6	403.6	400.1	398.9	396.6	394.9
167.5°	414.3	415.3	414.3	413.4	413.1	409.7	405.1	402.8	401.8	399.9	398.5
170°	413.1	413.1	413.1	413.1	413.1	409.7	405.1	402.8	402.7	402.6	402.5
172.5°	409.9	409.0	409.9	410.8	410.9	408.2	404.6	402.8	402.8	402.8	402.8
175°	408.0	408.0	408.0	408.0	408.0	406.2	404.0	402.8	403.3	404.4	405.2
177.5°	406.2	405.2	406.2	407.1	407.4	406.1	404.2	403.3	403.8	404.6	405.2
180°	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2



TEST NUMBER: P933955

CATALOG NUMBER: SQ4-FA-025U-075D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4
2.5°	2911.1	2894.8	2894.8	2867.6	2856.8	2848.6	2835.1	2794.3	2783.5	2772.6	2788.9
5°	2935.5	2905.7	2883.9	2835.1	2794.3	2778.0	2726.4	2628.7	2563.5	2514.6	2487.5
7.5°	2941.0	2902.9	2862.2	2786.2	2688.4	2645.0	2487.5	2308.2	2259.3	2215.8	2188.7
10°	2935.5	2892.1	2835.1	2721.0	2490.2	2414.2	2256.6	2139.8	2109.9	2101.8	2109.9
12.5°	2916.5	2875.8	2797.0	2607.0	2283.7	2232.1	2139.8	2071.9	2066.5	2080.1	2153.4
15°	2883.9	2845.9	2753.6	2454.9	2169.7	2131.7	2066.5	2042.0	2071.9	2167.0	2386.9
17.5°	2851.3	2807.9	2693.8	2305.4	2082.8	2055.6	2009.5	2058.3	2226.7	2354.3	2427.7
20°	2807.9	2756.3	2626.0	2196.8	2020.3	1995.9	1974.2	2194.1	2321.7	2367.9	2408.7
22.5°	2756.3	2702.0	2533.6	2120.8	1955.1	1936.1	1949.7	2270.1	2321.7	2354.3	2389.6
25°	2688.4	2642.3	2425.0	2061.1	1903.6	1881.8	1933.4	2262.0	2291.9	2300.0	2370.6
27.5°	2626.0	2566.2	2310.9	2006.7	1841.1	1833.0	1947.0	2226.7	2248.4	2256.6	2332.6
30°	2549.9	2460.3	2183.2	1949.7	1775.9	1773.2	1949.7	2183.2	2177.8	2199.5	2275.6
32.5°	2471.2	2302.7	2039.3	1879.1	1713.5	1710.8	1930.7	2118.1	2112.6	2142.5	2199.5
35°	2397.9	2180.5	1843.8	1797.6	1634.7	1637.4	1884.5	2042.0	2044.8	2071.9	2107.2
37.5°	2321.7	2074.6	1629.3	1708.0	1558.7	1558.7	1822.1	1971.4	1966.0	1974.2	2023.0
40°	2232.1	1909.0	1439.2	1591.3	1488.1	1479.9	1746.1	1895.4	1876.4	1873.7	1941.6
42.5°	2137.1	1727.0	1298.0	1436.5	1406.6	1395.8	1653.7	1803.1	1767.8	1775.9	1862.8
45°	2033.9	1678.2	1189.4	1213.8	1322.4	1314.3	1553.3	1697.2	1672.7	1694.5	1784.1
47.5°	1930.7	1580.4	1154.1	1007.4	1232.8	1230.1	1441.9	1594.0	1580.4	1602.1	1697.2
50°	1789.5	1471.8	1151.4	863.5	1132.4	1143.2	1308.9	1493.5	1493.5	1512.5	1613.0
52.5°	1607.6	1338.7	1045.5	782.1	1015.6	1048.2	1192.1	1406.6	1412.1	1431.1	1520.7
55°	1441.9	1200.2	969.4	719.6	877.1	947.7	1078.0	1317.0	1327.9	1346.9	1428.3
57.5°	1289.9	999.3	953.1	646.3	749.5	817.4	977.6	1230.1	1235.5	1251.8	1330.6
60°	1126.9	722.3	874.4	567.5	638.1	689.7	885.2	1126.9	1145.9	1156.8	1224.7
62.5°	942.3	524.1	792.9	513.2	583.8	594.7	809.2	1029.2	1053.6	1061.8	1102.5
65°	670.7	439.9	673.4	467.1	526.8	529.5	727.7	928.7	950.4	964.0	993.9
67.5°	453.5	358.4	513.2	423.6	483.4	486.1	649.0	811.9	841.8	852.7	871.7
70°	315.0	239.0	380.2	377.5	434.5	439.9	564.8	706.0	733.2	741.3	752.2
72.5°	230.8	192.8	315.0	339.4	382.9	388.3	477.9	586.5	613.7	621.8	627.3
75°	176.5	203.7	255.3	296.0	325.9	328.6	391.0	477.9	496.9	502.4	505.1
77.5°	141.2	190.1	187.4	239.0	266.1	260.7	306.8	369.3	385.6	385.6	385.6
80°	105.9	149.4	141.2	171.1	195.5	190.1	220.0	263.4	268.8	274.3	271.5
82.5°	78.7	95.0	95.0	108.6	130.3	124.9	146.6	171.1	171.1	171.1	176.5
85°	48.9	54.3	43.4	57.0	73.3	70.6	81.5	92.3	95.0	95.0	89.6
87.5°	29.9	24.4	13.6	21.7	32.6	32.6	38.0	40.7	38.0	38.0	38.0
90°	7.1	4.9	2.7	4.9	7.1	7.6	11.9	17.7	20.6	18.4	13.8
92.5°	47.9	29.3	10.9	29.3	47.9	52.5	73.8	102.2	116.4	102.0	73.2
95°	93.8	59.9	26.1	59.9	93.8	102.3	181.6	287.4	340.3	303.6	230.4
97.5°	104.9	75.0	45.2	75.0	104.9	112.3	244.6	421.0	509.2	486.0	439.7
100°	114.0	86.9	59.8	86.9	114.0	120.7	267.6	463.3	561.1	562.8	566.2
102.5°	122.8	97.6	72.3	97.6	122.8	129.2	278.1	476.6	575.8	605.3	664.2
105°	136.3	115.0	93.6	115.0	136.3	141.7	285.8	478.0	574.1	640.2	772.5
107.5°	155.2	135.2	115.3	135.2	155.2	160.2	287.3	456.7	541.5	633.7	818.2
110°	166.0	148.0	130.0	148.0	166.0	170.5	285.1	437.9	514.3	617.4	823.6



TEST NUMBER: P933955

CATALOG NUMBER: SQ4-FA-025U-075D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	178.8	161.6	144.5	161.6	178.8	183.0	285.2	421.4	489.6	595.1	806.1
115°	197.9	182.0	166.2	182.0	197.9	201.9	287.8	402.5	459.9	561.6	764.9
117.5°	216.4	202.0	187.6	202.0	216.4	220.0	293.2	390.8	439.5	531.3	714.8
120°	227.3	213.7	200.1	213.7	227.3	230.6	297.5	386.7	431.3	515.1	682.9
122.5°	239.7	226.1	212.4	226.1	239.7	243.1	303.8	384.6	425.1	500.6	651.5
125°	256.2	243.7	231.2	243.7	256.2	259.2	312.3	383.0	418.3	482.4	610.6
127.5°	271.5	259.0	246.4	259.0	271.5	274.7	320.7	382.0	412.6	467.6	577.8
130°	281.7	268.1	254.5	268.1	281.7	285.0	326.9	382.5	410.4	459.5	557.5
132.5°	290.1	276.5	263.0	276.5	290.1	293.5	331.8	383.0	408.5	452.4	540.2
135°	300.2	287.8	275.5	287.8	300.2	303.2	337.3	382.6	405.2	442.0	515.5
137.5°	312.6	300.5	288.3	300.5	312.6	315.7	345.4	385.0	404.7	435.7	497.8
140°	321.4	310.1	298.9	310.1	321.4	324.2	350.4	385.3	402.8	429.6	483.3
142.5°	327.8	317.4	307.0	317.4	327.8	330.5	354.6	386.7	402.8	426.3	473.5
145°	337.7	328.7	319.6	328.7	337.7	340.0	360.0	386.7	400.1	419.4	457.9
147.5°	349.8	340.9	332.1	340.9	349.8	351.9	367.9	389.4	400.1	415.3	445.6
150°	356.2	348.2	340.3	348.2	356.2	358.2	372.1	390.8	400.1	412.9	438.6
152.5°	360.7	354.7	348.7	354.7	360.7	362.2	374.8	391.7	400.1	411.0	432.9
155°	370.1	365.6	361.2	365.6	370.1	371.2	380.8	393.7	400.1	408.8	426.2
157.5°	379.2	374.7	370.4	374.7	379.2	380.3	386.9	395.6	400.1	406.9	420.4
160°	383.5	380.1	376.7	380.1	383.5	384.3	389.6	396.6	400.1	405.9	417.5
162.5°	388.0	385.5	383.0	385.5	388.0	388.7	392.5	397.5	400.1	405.0	414.7
165°	394.4	392.0	389.8	392.0	394.4	394.9	396.6	398.9	400.1	403.6	410.6
167.5°	398.2	397.1	396.0	397.1	398.2	398.5	399.9	401.8	402.8	405.1	409.7
170°	402.3	401.2	400.1	401.2	402.3	402.5	402.6	402.7	402.8	405.1	409.7
172.5°	402.7	402.5	402.3	402.5	402.7	402.8	402.8	402.8	402.8	404.6	408.2
175°	405.2	405.2	405.2	405.2	405.2	405.2	404.4	403.3	402.8	404.0	406.2
177.5°	405.2	405.2	405.2	405.2	405.2	405.2	404.6	403.8	403.3	404.2	406.1
180°	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2



TEST NUMBER: P933955
 CATALOG NUMBER: SQ4-FA-025U-075D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4	2870.4
2.5°	2769.9	2761.7	2772.6	2742.7	2772.6	2761.7	2769.9	2788.9	2772.6	2783.5	2794.3
5°	2430.4	2416.9	2373.3	2338.0	2373.3	2416.9	2430.4	2487.5	2514.6	2563.5	2628.7
7.5°	2172.4	2161.5	2150.7	2128.9	2150.7	2161.5	2172.4	2188.7	2215.8	2259.3	2308.2
10°	2115.4	2118.1	2134.4	2131.7	2134.4	2118.1	2115.4	2109.9	2101.8	2109.9	2139.8
12.5°	2262.0	2286.4	2376.0	2370.6	2376.0	2286.4	2262.0	2153.4	2080.1	2066.5	2071.9
15°	2430.4	2438.6	2457.6	2460.3	2457.6	2438.6	2430.4	2386.9	2167.0	2071.9	2042.0
17.5°	2446.7	2449.5	2463.0	2463.0	2463.0	2449.5	2446.7	2427.7	2354.3	2226.7	2058.3
20°	2433.2	2438.6	2465.7	2471.2	2465.7	2438.6	2433.2	2408.7	2367.9	2321.7	2194.1
22.5°	2427.7	2438.6	2460.3	2457.6	2460.3	2438.6	2427.7	2389.6	2354.3	2321.7	2270.1
25°	2400.6	2400.6	2403.3	2406.0	2403.3	2400.6	2400.6	2370.6	2300.0	2291.9	2262.0
27.5°	2343.5	2348.9	2365.2	2362.5	2365.2	2348.9	2343.5	2332.6	2256.6	2248.4	2226.7
30°	2291.9	2286.4	2272.9	2262.0	2272.9	2286.4	2291.9	2275.6	2199.5	2177.8	2183.2
32.5°	2205.0	2191.4	2177.8	2169.7	2177.8	2191.4	2205.0	2199.5	2142.5	2112.6	2118.1
35°	2101.8	2104.5	2101.8	2093.6	2101.8	2104.5	2101.8	2107.2	2071.9	2044.8	2042.0
37.5°	2028.5	2033.9	2031.2	2020.3	2031.2	2033.9	2028.5	2023.0	1974.2	1966.0	1971.4
40°	1952.4	1955.1	1952.4	1944.3	1952.4	1955.1	1952.4	1941.6	1873.7	1876.4	1895.4
42.5°	1879.1	1876.4	1868.3	1862.8	1868.3	1876.4	1879.1	1862.8	1775.9	1767.8	1803.1
45°	1794.9	1797.6	1781.4	1773.2	1781.4	1797.6	1794.9	1784.1	1694.5	1672.7	1697.2
47.5°	1710.8	1710.8	1697.2	1689.0	1697.2	1710.8	1710.8	1697.2	1602.1	1580.4	1594.0
50°	1621.1	1618.4	1599.4	1596.7	1599.4	1618.4	1621.1	1613.0	1512.5	1493.5	1493.5
52.5°	1518.0	1518.0	1520.7	1526.1	1520.7	1518.0	1518.0	1520.7	1431.1	1412.1	1406.6
55°	1428.3	1431.1	1450.1	1455.5	1450.1	1431.1	1428.3	1428.3	1346.9	1327.9	1317.0
57.5°	1336.0	1336.0	1349.6	1349.6	1349.6	1336.0	1336.0	1330.6	1251.8	1235.5	1230.1
60°	1230.1	1235.5	1246.4	1243.7	1246.4	1235.5	1230.1	1224.7	1156.8	1145.9	1126.9
62.5°	1118.8	1124.2	1126.9	1121.5	1126.9	1124.2	1118.8	1102.5	1061.8	1053.6	1029.2
65°	1002.0	1007.4	1010.2	1004.7	1010.2	1007.4	1002.0	993.9	964.0	950.4	928.7
67.5°	882.5	879.8	877.1	888.0	877.1	879.8	882.5	871.7	852.7	841.8	811.9
70°	760.3	760.3	757.6	763.1	757.6	760.3	760.3	752.2	741.3	733.2	706.0
72.5°	630.0	627.3	638.1	630.0	638.1	627.3	630.0	627.3	621.8	613.7	586.5
75°	502.4	507.8	502.4	510.5	502.4	507.8	502.4	505.1	502.4	496.9	477.9
77.5°	382.9	388.3	382.9	382.9	382.9	388.3	382.9	385.6	385.6	385.6	369.3
80°	271.5	268.8	268.8	266.1	268.8	268.8	271.5	271.5	274.3	268.8	263.4
82.5°	173.8	171.1	171.1	176.5	171.1	171.1	173.8	176.5	171.1	171.1	171.1
85°	95.0	97.8	92.3	92.3	92.3	97.8	95.0	89.6	95.0	95.0	92.3
87.5°	35.3	32.6	32.6	32.6	32.6	32.6	35.3	38.0	38.0	38.0	40.7
90°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	13.8	18.4	20.6	17.7
92.5°	51.7	49.6	41.5	33.2	41.5	49.6	51.7	73.2	102.0	116.4	102.2
95°	175.4	169.2	144.3	119.4	144.3	169.2	175.4	230.4	303.6	340.3	287.4
97.5°	405.0	393.1	345.8	298.3	345.8	393.1	405.0	439.7	486.0	509.2	421.0
100°	568.7	554.6	498.2	441.7	498.2	554.6	568.7	566.2	562.8	561.1	463.3
102.5°	708.5	696.3	648.0	599.7	648.0	696.3	708.5	664.2	605.3	575.8	476.6
105°	871.7	865.2	839.2	813.2	839.2	865.2	871.7	772.5	640.2	574.1	478.0
107.5°	956.6	958.1	964.4	970.7	964.4	958.1	956.6	818.2	633.7	541.5	456.7
110°	978.3	985.1	1012.2	1039.2	1012.2	985.1	978.3	823.6	617.4	514.3	437.9



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	964.4	974.9	1016.4	1058.0	1016.4	974.9	964.4	806.1	595.1	489.6	421.4
115°	917.4	931.8	989.4	1047.1	989.4	931.8	917.4	764.9	561.6	459.9	402.5
117.5°	852.4	868.4	932.3	996.2	932.3	868.4	852.4	714.8	531.3	439.5	390.8
120°	808.6	824.1	886.2	948.3	886.2	824.1	808.6	682.9	515.1	431.3	386.7
122.5°	764.8	780.1	841.4	902.7	841.4	780.1	764.8	651.5	500.6	425.1	384.6
125°	706.8	721.0	777.4	833.8	777.4	721.0	706.8	610.6	482.4	418.3	383.0
127.5°	660.3	672.3	719.9	767.5	719.9	672.3	660.3	577.8	467.6	412.6	382.0
130°	631.0	642.0	686.0	730.0	686.0	642.0	631.0	557.5	459.5	410.4	382.5
132.5°	606.0	615.9	655.2	694.6	655.2	615.9	606.0	540.2	452.4	408.5	383.0
135°	570.6	579.1	613.1	647.0	613.1	579.1	570.6	515.5	442.0	405.2	382.6
137.5°	544.5	551.4	579.2	607.1	579.2	551.4	544.5	497.8	435.7	404.7	385.0
140°	523.5	530.1	556.0	582.0	556.0	530.1	523.5	483.3	429.6	402.8	385.3
142.5°	508.9	514.5	536.9	559.2	536.9	514.5	508.9	473.5	426.3	402.8	386.7
145°	486.8	491.0	508.0	524.9	508.0	491.0	486.8	457.9	419.4	400.1	386.7
147.5°	468.3	471.9	485.9	499.9	485.9	471.9	468.3	445.6	415.3	400.1	389.4
150°	457.7	460.5	472.0	483.3	472.0	460.5	457.7	438.6	412.9	400.1	390.8
152.5°	449.3	451.5	460.0	468.6	460.0	451.5	449.3	432.9	411.0	400.1	391.7
155°	439.3	440.7	446.3	452.0	446.3	440.7	439.3	426.2	408.8	400.1	393.7
157.5°	430.5	431.5	435.6	439.5	435.6	431.5	430.5	420.4	406.9	400.1	395.6
160°	426.1	426.7	429.0	431.3	429.0	426.7	426.1	417.5	405.9	400.1	396.6
162.5°	422.1	422.6	424.8	427.0	424.8	422.6	422.1	414.7	405.0	400.1	397.5
165°	415.8	416.4	418.7	421.0	418.7	416.4	415.8	410.6	403.6	400.1	398.9
167.5°	413.1	413.4	414.3	415.3	414.3	413.4	413.1	409.7	405.1	402.8	401.8
170°	413.1	413.1	413.1	413.1	413.1	413.1	413.1	409.7	405.1	402.8	402.7
172.5°	410.9	410.8	409.9	409.0	409.9	410.8	410.9	408.2	404.6	402.8	402.8
175°	408.0	408.0	408.0	408.0	408.0	408.0	408.0	406.2	404.0	402.8	403.3
177.5°	407.4	407.1	406.2	405.2	406.2	407.1	407.4	406.1	404.2	403.3	403.8
180°	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2870.4	2870.4	2870.4	2870.4	2870.4
2.5°	2835.1	2848.6	2856.8	2867.6	2894.8
5°	2726.4	2778.0	2794.3	2835.1	2883.9
7.5°	2487.5	2645.0	2688.4	2786.2	2862.2
10°	2256.6	2414.2	2490.2	2721.0	2835.1
12.5°	2139.8	2232.1	2283.7	2607.0	2797.0
15°	2066.5	2131.7	2169.7	2454.9	2753.6
17.5°	2009.5	2055.6	2082.8	2305.4	2693.8
20°	1974.2	1995.9	2020.3	2196.8	2626.0
22.5°	1949.7	1936.1	1955.1	2120.8	2533.6
25°	1933.4	1881.8	1903.6	2061.1	2425.0
27.5°	1947.0	1833.0	1841.1	2006.7	2310.9
30°	1949.7	1773.2	1775.9	1949.7	2183.2
32.5°	1930.7	1710.8	1713.5	1879.1	2039.3
35°	1884.5	1637.4	1634.7	1797.6	1843.8
37.5°	1822.1	1558.7	1558.7	1708.0	1629.3
40°	1746.1	1479.9	1488.1	1591.3	1439.2
42.5°	1653.7	1395.8	1406.6	1436.5	1298.0
45°	1553.3	1314.3	1322.4	1213.8	1189.4
47.5°	1441.9	1230.1	1232.8	1007.4	1154.1
50°	1308.9	1143.2	1132.4	863.5	1151.4
52.5°	1192.1	1048.2	1015.6	782.1	1045.5
55°	1078.0	947.7	877.1	719.6	969.4
57.5°	977.6	817.4	749.5	646.3	953.1
60°	885.2	689.7	638.1	567.5	874.4
62.5°	809.2	594.7	583.8	513.2	792.9
65°	727.7	529.5	526.8	467.1	673.4
67.5°	649.0	486.1	483.4	423.6	513.2
70°	564.8	439.9	434.5	377.5	380.2
72.5°	477.9	388.3	382.9	339.4	315.0
75°	391.0	328.6	325.9	296.0	255.3
77.5°	306.8	260.7	266.1	239.0	187.4
80°	220.0	190.1	195.5	171.1	141.2
82.5°	146.6	124.9	130.3	108.6	95.0
85°	81.5	70.6	73.3	57.0	43.4
87.5°	38.0	32.6	32.6	21.7	13.6
90°	11.9	7.6	7.1	4.9	2.7
92.5°	73.8	52.5	47.9	29.3	10.9
95°	181.6	102.3	93.8	59.9	26.1
97.5°	244.6	112.3	104.9	75.0	45.2
100°	267.6	120.7	114.0	86.9	59.8
102.5°	278.1	129.2	122.8	97.6	72.3
105°	285.8	141.7	136.3	115.0	93.6
107.5°	287.3	160.2	155.2	135.2	115.3
110°	285.1	170.5	166.0	148.0	130.0



TEST NUMBER: P933955

CATALOG NUMBER: SQ4-FA-025U-075D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	285.2	183.0	178.8	161.6	144.5
115°	287.8	201.9	197.9	182.0	166.2
117.5°	293.2	220.0	216.4	202.0	187.6
120°	297.5	230.6	227.3	213.7	200.1
122.5°	303.8	243.1	239.7	226.1	212.4
125°	312.3	259.2	256.2	243.7	231.2
127.5°	320.7	274.7	271.5	259.0	246.4
130°	326.9	285.0	281.7	268.1	254.5
132.5°	331.8	293.5	290.1	276.5	263.0
135°	337.3	303.2	300.2	287.8	275.5
137.5°	345.4	315.7	312.6	300.5	288.3
140°	350.4	324.2	321.4	310.1	298.9
142.5°	354.6	330.5	327.8	317.4	307.0
145°	360.0	340.0	337.7	328.7	319.6
147.5°	367.9	351.9	349.8	340.9	332.1
150°	372.1	358.2	356.2	348.2	340.3
152.5°	374.8	362.2	360.7	354.7	348.7
155°	380.8	371.2	370.1	365.6	361.2
157.5°	386.9	380.3	379.2	374.7	370.4
160°	389.6	384.3	383.5	380.1	376.7
162.5°	392.5	388.7	388.0	385.5	383.0
165°	396.6	394.9	394.4	392.0	389.8
167.5°	399.9	398.5	398.2	397.1	396.0
170°	402.6	402.5	402.3	401.2	400.1
172.5°	402.8	402.8	402.7	402.5	402.3
175°	404.4	405.2	405.2	405.2	405.2
177.5°	404.6	405.2	405.2	405.2	405.2
180°	405.2	405.2	405.2	405.2	405.2



TEST NUMBER: P933955
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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	14.36	15.49	15.08	16.23	17.12	17.21	18.34	17.94	19.08	19.97
	3H	14.86	15.87	15.59	16.62	17.54	18.59	19.60	19.32	20.35	21.26
	4H	15.06	16.02	15.82	16.78	17.71	19.05	20.00	19.80	20.76	21.69
	6H	15.20	16.08	15.96	16.85	17.79	19.35	20.23	20.12	21.00	21.94
	8H	15.20	16.04	15.98	16.83	17.78	19.44	20.28	20.21	21.07	22.01
	12H	15.18	15.99	15.97	16.77	17.74	19.49	20.29	20.27	21.07	22.04
4H	2H	15.43	16.39	16.19	17.15	18.08	17.65	18.61	18.41	19.37	20.30
	3H	16.48	17.28	17.25	18.08	19.02	19.19	19.99	19.96	20.78	21.73
	4H	16.77	17.49	17.56	18.29	19.26	19.74	20.46	20.52	21.25	22.23
	6H	16.91	17.54	17.71	18.36	19.34	20.12	20.75	20.92	21.57	22.55
	8H	16.92	17.51	17.73	18.33	19.32	20.24	20.82	21.04	21.64	22.63
	12H	16.90	17.43	17.73	18.27	19.27	20.31	20.84	21.14	21.67	22.67
8H	4H	17.25	17.83	18.06	18.65	19.64	19.88	20.46	20.69	21.28	22.27
	6H	17.52	18.01	18.36	18.87	19.86	20.33	20.82	21.17	21.68	22.67
	8H	17.57	18.00	18.41	18.85	19.86	20.49	20.92	21.34	21.78	22.79
	12H	17.56	17.94	18.41	18.79	19.86	20.61	20.99	21.45	21.83	22.90
12H	4H	17.27	17.80	18.10	18.63	19.63	19.86	20.38	20.68	21.22	22.22
	6H	17.59	18.02	18.43	18.87	19.88	20.33	20.76	21.18	21.62	22.63
	8H	17.67	18.05	18.51	18.89	19.96	20.51	20.89	21.36	21.74	22.80