

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: P936113

Luminaire Tested: SQ4-FA-150U-125D-835-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936113
REPORT IS A COMBINATION OF REPORTS P933781 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-125D-835-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

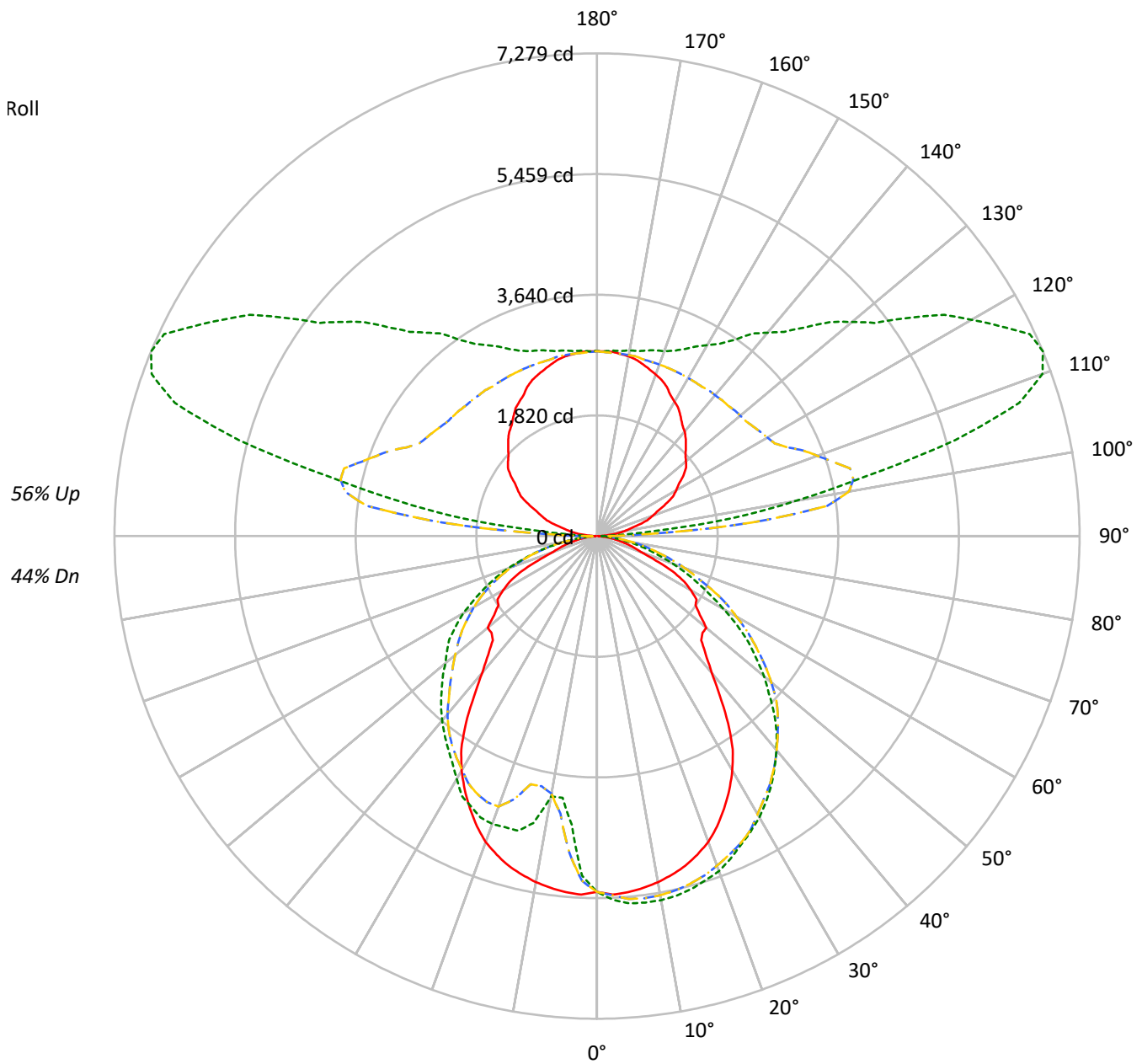
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31997.0 lumens
Efficiency: N/A
Efficacy: 128.2 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: General Diffuse

Input Watts (W): 249.6
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				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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44	44	44	44
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37	37	37	37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	31	31	31	31
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30	26	26	26	26
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26	22	22	22	22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23	19	19	19	19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20	17	17	17	17
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18	15	15	15	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13	13	13	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12	12	12	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13	11	11	11	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16597	16597	16597	16597
5°	16727	16754	16727	13174
10°	16622	16504	16622	11799
15°	16447	16146	16447	13482
20°	16110	15723	16110	13510
25°	15412	15105	15412	13224
30°	14508	14592	14508	12596
35°	12940	13943	12940	11905
40°	10788	13179	10788	11383
45°	9646	12285	9646	10783
50°	10256	11219	10256	10180
55°	9658	10070	9658	9832
60°	9969	8553	9969	9005
65°	9053	7070	9053	7903
70°	6283	5634	6283	6625
75°	5531	4165	5531	4987
80°	4490	2754	4490	2998
85°	2631	1459	2631	1240

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14775 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.4	1.5
10°-20°	1375.3	4.3
20°-30°	2125.9	6.6
30°-40°	2537.9	7.9
40°-50°	2552.8	8.0
50°-60°	2221.2	6.9
60°-70°	1574.9	4.9
70°-80°	833.2	2.6
80°-90°	218.1	0.7
90°-100°	1359.0	4.2
100°-110°	3572.9	11.2
110°-120°	3704.7	11.6
120°-130°	2971.6	9.3
130°-140°	2331.7	7.3
140°-150°	1789.6	5.6
150°-160°	1288.8	4.0
160°-170°	788.6	2.5
170°-180°	266.4	0.8
0°-30°	3985.6	12.5
0°-40°	6523.4	20.4
0°-60°	11297.4	35.3
0°-90°	13923.6	43.5
90°-120°	8636.6	27.0
90°-150°	15729.5	49.2
90°-180°	18073.0	56.5
0°-180°	31997.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5366	5366	5366	5366	5366	
5°	5391	5559	5391	4371	5391	511
15°	5148	5508	5148	4599	5148	1448
25°	4533	5138	4533	4498	4533	2082
35°	3447	4584	3447	3914	3447	2133
45°	2224	3777	2224	3315	2224	1781
55°	1812	2787	1812	2721	1812	1665
65°	1259	1680	1259	1878	1259	1203
75°	477	797	477	954	477	502
85°	81	203	81	173	81	110
90°	19	71	19	71	19	19
95°	180	821	180	821	180	199
105°	644	5595	644	5595	644	682
115°	1143	7204	1143	7204	1143	1129
125°	1590	5737	1590	5737	1590	1412
135°	1895	4451	1895	4451	1895	1467
145°	2199	3611	2199	3611	2199	1377
155°	2485	3110	2485	3110	2485	1142
165°	2681	2896	2681	2896	2681	757
175°	2788	2807	2788	2807	2788	265
180°	2788	2788	2788	2788	2788	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5411.7	5411.7	5442.1	5452.3	5452.3	5437.0	5421.8	5437.0	5482.7	5498.0	5492.9
5°	5391.3	5432.0	5487.8	5498.0	5508.1	5503.0	5492.9	5503.0	5553.8	5564.0	5569.0
7.5°	5350.7	5426.9	5498.0	5513.2	5528.4	5513.2	5508.1	5518.3	5569.0	5579.2	5579.2
10°	5300.0	5406.6	5487.8	5498.0	5513.2	5498.0	5498.0	5518.3	5569.0	5579.2	5584.3
12.5°	5228.9	5376.1	5452.3	5462.4	5482.7	5477.6	5472.6	5492.9	5543.6	5553.8	5553.8
15°	5147.7	5320.3	5391.3	5401.5	5437.0	5426.9	5426.9	5447.2	5503.0	5518.3	5513.2
17.5°	5036.0	5249.2	5330.4	5345.7	5371.0	5366.0	5371.0	5391.3	5442.1	5452.3	5457.3
20°	4909.1	5152.7	5249.2	5264.4	5289.8	5289.8	5289.8	5315.2	5366.0	5386.3	5386.3
22.5°	4736.5	5051.2	5152.7	5162.9	5193.4	5193.4	5203.5	5239.0	5284.7	5289.8	5289.8
25°	4533.4	4939.5	5025.8	5056.3	5086.8	5102.0	5117.2	5137.5	5152.7	5147.7	5152.7
27.5°	4320.2	4797.4	4909.1	4929.4	4970.0	4985.2	5005.5	5010.6	5015.7	5030.9	5020.8
30°	4081.6	4599.4	4766.9	4787.2	4853.2	4863.4	4843.1	4853.2	4878.6	4888.8	4898.9
32.5°	3812.5	4305.0	4619.7	4665.4	4726.3	4695.9	4690.8	4706.0	4746.6	4746.6	4756.8
35°	3447.0	4076.5	4482.6	4523.2	4568.9	4533.4	4553.7	4558.8	4584.2	4599.4	4594.3
37.5°	3046.0	3878.5	4340.5	4371.0	4406.5	4360.8	4391.3	4406.5	4426.8	4416.6	4416.6
40°	2690.6	3568.8	4173.0	4193.3	4223.7	4188.2	4218.7	4228.8	4239.0	4228.8	4223.7
42.5°	2426.6	3228.7	3995.3	4020.7	4000.4	4025.7	4035.9	4056.2	4041.0	4020.7	4020.7
45°	2223.5	3137.3	3802.4	3832.8	3802.4	3843.0	3858.2	3858.2	3812.5	3802.4	3797.3
47.5°	2157.6	2954.6	3609.5	3609.5	3594.2	3645.0	3670.4	3634.8	3589.2	3573.9	3573.9
50°	2152.5	2751.5	3345.5	3325.2	3396.2	3457.2	3431.8	3396.2	3360.7	3304.9	3304.9
52.5°	1954.5	2502.8	3005.3	3081.5	3193.2	3228.7	3188.1	3152.6	3091.6	3066.3	3046.0
55°	1812.3	2243.9	2695.7	2848.0	2964.7	3010.4	2934.3	2898.7	2807.4	2792.1	2782.0
57.5°	1781.9	1868.2	2411.4	2604.3	2746.4	2741.4	2695.7	2629.7	2553.5	2538.3	2533.2
60°	1634.7	1350.4	2106.8	2335.2	2482.5	2467.2	2426.6	2365.7	2294.6	2284.5	2274.3
62.5°	1482.4	979.8	1761.6	2020.5	2228.6	2223.5	2188.0	2096.6	2045.9	2020.5	2000.2
65°	1259.0	822.4	1253.9	1680.4	1979.9	1990.0	1913.9	1847.9	1792.0	1761.6	1756.5
67.5°	959.5	670.1	847.8	1401.1	1741.3	1731.1	1634.7	1604.2	1533.1	1517.9	1487.4
70°	710.7	446.7	588.9	1137.2	1507.7	1482.4	1406.2	1370.7	1304.7	1269.1	1248.8
72.5°	588.9	360.4	431.5	883.3	1269.1	1238.7	1172.7	1132.1	1076.2	1045.8	1025.5
75°	477.2	380.7	330.0	654.9	1030.5	1010.2	949.3	908.7	863.0	822.4	827.5
77.5°	350.3	355.4	264.0	482.3	817.3	786.9	751.3	700.6	680.3	639.7	639.7
80°	264.0	279.2	198.0	330.0	588.9	588.9	558.4	522.9	487.4	467.0	467.0
82.5°	177.7	177.7	147.2	208.1	401.1	385.8	365.5	355.4	335.1	324.9	324.9
85°	81.2	101.5	91.4	126.9	218.3	228.4	228.4	218.3	213.2	203.1	208.1
87.5°	25.4	45.7	55.8	71.1	111.7	116.8	121.8	121.8	121.8	126.9	126.9
90°	18.7	33.7	48.7	52.4	82.3	122.2	142.2	126.4	94.8	71.1	71.1
92.5°	74.8	202.0	329.3	361.1	507.7	703.1	800.8	701.8	503.9	355.5	341.4
95°	179.6	412.4	645.3	703.5	1249.3	1977.0	2340.8	2088.8	1584.9	1206.9	1164.1
97.5°	310.6	516.0	721.4	772.8	1682.8	2896.1	3502.7	3343.5	3025.0	2786.1	2704.6
100°	411.6	597.9	784.2	830.8	1840.6	3186.9	3860.1	3871.7	3895.0	3912.5	3815.4
102.5°	497.7	671.5	845.3	888.8	1912.9	3278.4	3961.2	4164.1	4569.9	4874.3	4791.1
105°	643.7	790.9	938.1	974.9	1966.6	3288.8	3949.9	4404.8	5314.6	5996.9	5952.2
107.5°	793.4	930.6	1067.8	1102.1	1976.5	3142.4	3725.4	4359.9	5628.9	6580.7	6591.5
110°	894.4	1018.3	1142.2	1173.2	1961.6	3012.7	3538.3	4247.7	5666.4	6730.4	6777.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	993.6	1111.7	1229.8	1259.3	1962.2	2899.4	3368.0	4094.0	5546.0	6635.0	6706.5
115°	1143.3	1252.2	1361.2	1388.4	1980.3	2769.5	3164.1	3863.5	5262.2	6311.3	6410.5
117.5°	1291.1	1390.0	1489.0	1513.7	2017.0	2688.1	3023.7	3654.9	4917.3	5864.1	5974.1
120°	1377.1	1470.3	1563.4	1586.7	2047.0	2660.7	2967.6	3544.3	4697.7	5562.8	5669.7
122.5°	1461.3	1555.3	1649.3	1672.8	2090.1	2646.4	2924.6	3443.9	4482.6	5261.6	5367.0
125°	1590.5	1676.1	1761.8	1783.2	2148.1	2634.6	2877.8	3319.0	4201.3	4863.0	4960.1
127.5°	1695.2	1781.7	1868.2	1889.8	2206.0	2627.7	2838.5	3217.3	3974.9	4543.1	4625.0
130°	1751.4	1844.5	1937.6	1960.9	2248.4	2631.8	2823.5	3160.7	3835.2	4341.0	4416.7
132.5°	1809.4	1902.5	1995.6	2018.9	2282.7	2634.5	2810.4	3112.3	3716.1	4168.9	4236.7
135°	1895.4	1980.2	2065.1	2086.3	2320.2	2632.1	2788.0	3040.8	3546.4	3925.6	3984.0
137.5°	1983.4	2067.4	2151.4	2172.4	2376.3	2648.2	2784.2	2997.9	3425.4	3746.0	3793.8
140°	2056.4	2133.7	2211.1	2230.4	2410.6	2650.9	2771.1	2955.7	3325.0	3601.9	3646.6
142.5°	2112.5	2184.0	2255.5	2273.4	2439.3	2660.5	2771.1	2933.3	3257.6	3500.9	3539.4
145°	2198.6	2261.0	2323.3	2338.9	2476.7	2660.5	2752.4	2885.0	3150.3	3349.3	3378.4
147.5°	2284.6	2345.3	2406.0	2421.2	2531.6	2678.8	2752.4	2856.8	3065.5	3222.1	3246.2
150°	2340.8	2395.7	2450.6	2464.3	2560.3	2688.4	2752.4	2840.6	3016.9	3149.1	3168.6
152.5°	2398.8	2440.4	2481.9	2492.3	2579.0	2694.6	2752.4	2827.7	2978.2	3091.1	3105.9
155°	2484.9	2515.7	2546.4	2554.1	2620.2	2708.3	2752.4	2812.3	2932.1	3021.9	3031.7
157.5°	2548.5	2578.4	2608.3	2615.8	2661.3	2722.0	2752.4	2799.0	2892.1	2962.0	2968.9
160°	2591.5	2614.8	2638.1	2643.9	2680.1	2728.3	2752.4	2792.3	2872.1	2932.0	2936.0
162.5°	2634.5	2652.0	2669.4	2673.8	2700.0	2734.9	2752.4	2786.1	2853.5	2904.0	2907.7
165°	2681.3	2697.1	2712.9	2716.9	2728.7	2744.5	2752.4	2776.5	2824.7	2860.9	2864.9
167.5°	2724.4	2731.9	2739.3	2741.2	2751.2	2764.5	2771.1	2786.9	2818.5	2842.2	2843.9
170°	2752.4	2759.9	2767.4	2769.3	2769.9	2770.7	2771.1	2786.9	2818.5	2842.2	2842.2
172.5°	2767.4	2769.0	2770.7	2771.1	2771.1	2771.1	2771.1	2783.6	2808.6	2827.3	2825.8
175°	2788.0	2788.0	2788.0	2788.0	2782.4	2774.9	2771.1	2779.0	2794.8	2806.7	2806.7
177.5°	2788.0	2788.0	2788.0	2788.0	2783.6	2777.8	2774.9	2781.1	2793.6	2802.9	2801.2
180°	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5503.0	5487.8	5503.0	5492.9	5498.0	5482.7	5437.0	5421.8	5437.0	5452.3	5452.3
5°	5569.0	5558.9	5569.0	5569.0	5564.0	5553.8	5503.0	5492.9	5503.0	5508.1	5498.0
7.5°	5589.3	5574.1	5589.3	5579.2	5579.2	5569.0	5518.3	5508.1	5513.2	5528.4	5513.2
10°	5589.3	5574.1	5589.3	5584.3	5579.2	5569.0	5518.3	5498.0	5498.0	5513.2	5498.0
12.5°	5564.0	5553.8	5564.0	5553.8	5553.8	5543.6	5492.9	5472.6	5477.6	5482.7	5462.4
15°	5523.3	5508.1	5523.3	5513.2	5518.3	5503.0	5447.2	5426.9	5426.9	5437.0	5401.5
17.5°	5462.4	5442.1	5462.4	5457.3	5452.3	5442.1	5391.3	5371.0	5366.0	5371.0	5345.7
20°	5391.3	5376.1	5391.3	5386.3	5386.3	5366.0	5315.2	5289.8	5289.8	5289.8	5264.4
22.5°	5279.7	5264.4	5279.7	5289.8	5289.8	5284.7	5239.0	5203.5	5193.4	5193.4	5162.9
25°	5152.7	5137.5	5152.7	5152.7	5147.7	5152.7	5137.5	5117.2	5102.0	5086.8	5056.3
27.5°	5030.9	5020.8	5030.9	5020.8	5030.9	5015.7	5010.6	5005.5	4985.2	4970.0	4929.4
30°	4909.1	4898.9	4909.1	4898.9	4888.8	4878.6	4853.2	4843.1	4863.4	4853.2	4787.2
32.5°	4756.8	4746.6	4756.8	4756.8	4746.6	4746.6	4706.0	4690.8	4695.9	4726.3	4665.4
35°	4599.4	4584.2	4599.4	4594.3	4599.4	4584.2	4558.8	4553.7	4533.4	4568.9	4523.2
37.5°	4416.6	4401.4	4416.6	4416.6	4416.6	4426.8	4406.5	4391.3	4360.8	4406.5	4371.0
40°	4228.8	4208.5	4228.8	4223.7	4228.8	4239.0	4228.8	4218.7	4188.2	4223.7	4193.3
42.5°	4015.6	4010.5	4015.6	4020.7	4020.7	4041.0	4056.2	4035.9	4025.7	4000.4	4020.7
45°	3787.1	3777.0	3787.1	3797.3	3802.4	3812.5	3858.2	3858.2	3843.0	3802.4	3832.8
47.5°	3543.5	3518.1	3543.5	3573.9	3573.9	3589.2	3634.8	3670.4	3645.0	3594.2	3609.5
50°	3284.6	3289.6	3284.6	3304.9	3304.9	3360.7	3396.2	3431.8	3457.2	3396.2	3325.2
52.5°	3030.7	3025.7	3030.7	3046.0	3066.3	3091.6	3152.6	3188.1	3228.7	3193.2	3081.5
55°	2776.9	2787.1	2776.9	2782.0	2792.1	2807.4	2898.7	2934.3	3010.4	2964.7	2848.0
57.5°	2523.1	2507.8	2523.1	2533.2	2538.3	2553.5	2629.7	2695.7	2741.4	2746.4	2604.3
60°	2228.6	2208.3	2228.6	2274.3	2284.5	2294.6	2365.7	2426.6	2467.2	2482.5	2335.2
62.5°	1969.7	1934.2	1969.7	2000.2	2020.5	2045.9	2096.6	2188.0	2223.5	2228.6	2020.5
65°	1695.6	1680.4	1695.6	1756.5	1761.6	1792.0	1847.9	1913.9	1990.0	1979.9	1680.4
67.5°	1446.8	1446.8	1446.8	1487.4	1517.9	1533.1	1604.2	1634.7	1731.1	1741.3	1401.1
70°	1218.4	1213.3	1218.4	1248.8	1269.1	1304.7	1370.7	1406.2	1482.4	1507.7	1137.2
72.5°	1000.1	995.0	1000.1	1025.5	1045.8	1076.2	1132.1	1172.7	1238.7	1269.1	883.3
75°	807.2	797.0	807.2	827.5	822.4	863.0	908.7	949.3	1010.2	1030.5	654.9
77.5°	619.3	619.3	619.3	639.7	639.7	680.3	700.6	751.3	786.9	817.3	482.3
80°	462.0	456.9	462.0	467.0	467.0	487.4	522.9	558.4	588.9	588.9	330.0
82.5°	324.9	314.7	324.9	324.9	324.9	335.1	355.4	365.5	385.8	401.1	208.1
85°	203.1	203.1	203.1	208.1	203.1	213.2	218.3	228.4	228.4	218.3	126.9
87.5°	132.0	126.9	132.0	126.9	126.9	121.8	121.8	121.8	116.8	111.7	71.1
90°	71.1	71.1	71.1	71.1	71.1	94.8	126.4	142.2	122.2	82.3	52.4
92.5°	284.8	228.3	284.8	341.4	355.5	503.9	701.8	800.8	703.1	507.7	361.1
95°	992.7	821.4	992.7	1164.1	1206.9	1584.9	2088.8	2340.8	1977.0	1249.3	703.5
97.5°	2378.6	2052.6	2378.6	2704.6	2786.1	3025.0	3343.5	3502.7	2896.1	1682.8	772.8
100°	3427.1	3038.7	3427.1	3815.4	3912.5	3895.0	3871.7	3860.1	3186.9	1840.6	830.8
102.5°	4458.5	4125.8	4458.5	4791.1	4874.3	4569.9	4164.1	3961.2	3278.4	1912.9	888.8
105°	5773.5	5594.7	5773.5	5952.2	5996.9	5314.6	4404.8	3949.9	3288.8	1966.6	974.9
107.5°	6634.8	6678.0	6634.8	6591.5	6580.7	5628.9	4359.9	3725.4	3142.4	1976.5	1102.1
110°	6963.3	7149.6	6963.3	6777.0	6730.4	5666.4	4247.7	3538.3	3012.7	1961.6	1173.2



TEST NUMBER: P936113

CATALOG NUMBER: SQ4-FA-150U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6992.6	7278.7	6992.6	6706.5	6635.0	5546.0	4094.0	3368.0	2899.4	1962.2	1259.3
115°	6807.1	7203.8	6807.1	6410.5	6311.3	5262.2	3863.5	3164.1	2769.5	1980.3	1388.4
117.5°	6414.0	6853.9	6414.0	5974.1	5864.1	4917.3	3654.9	3023.7	2688.1	2017.0	1513.7
120°	6097.1	6524.6	6097.1	5669.7	5562.8	4697.7	3544.3	2967.6	2660.7	2047.0	1586.7
122.5°	5788.7	6210.3	5788.7	5367.0	5261.6	4482.6	3443.9	2924.6	2646.4	2090.1	1672.8
125°	5348.5	5736.9	5348.5	4960.1	4863.0	4201.3	3319.0	2877.8	2634.6	2148.1	1783.2
127.5°	4952.7	5280.3	4952.7	4625.0	4543.1	3974.9	3217.3	2838.5	2627.7	2206.0	1889.8
130°	4719.4	5022.1	4719.4	4416.7	4341.0	3835.2	3160.7	2823.5	2631.8	2248.4	1960.9
132.5°	4507.7	4778.8	4507.7	4236.7	4168.9	3716.1	3112.3	2810.4	2634.5	2282.7	2018.9
135°	4217.7	4451.4	4217.7	3984.0	3925.6	3546.4	3040.8	2788.0	2632.1	2320.2	2086.3
137.5°	3985.1	4176.3	3985.1	3793.8	3746.0	3425.4	2997.9	2784.2	2648.2	2376.3	2172.4
140°	3825.4	4004.2	3825.4	3646.6	3601.9	3325.0	2955.7	2771.1	2650.9	2410.6	2230.4
142.5°	3693.2	3847.0	3693.2	3539.4	3500.9	3257.6	2933.3	2771.1	2660.5	2439.3	2273.4
145°	3494.9	3611.3	3494.9	3378.4	3349.3	3150.3	2885.0	2752.4	2660.5	2476.7	2338.9
147.5°	3342.7	3439.1	3342.7	3246.2	3222.1	3065.5	2856.8	2752.4	2678.8	2531.6	2421.2
150°	3246.8	3325.0	3246.8	3168.6	3149.1	3016.9	2840.6	2752.4	2688.4	2560.3	2464.3
152.5°	3164.9	3223.9	3164.9	3105.9	3091.1	2978.2	2827.7	2752.4	2694.6	2579.0	2492.3
155°	3070.7	3109.8	3070.7	3031.7	3021.9	2932.1	2812.3	2752.4	2708.3	2620.2	2554.1
157.5°	2996.3	3023.7	2996.3	2968.9	2962.0	2892.1	2799.0	2752.4	2722.0	2661.3	2615.8
160°	2951.8	2967.6	2951.8	2936.0	2932.0	2872.1	2792.3	2752.4	2728.3	2680.1	2643.9
162.5°	2922.7	2937.7	2922.7	2907.7	2904.0	2853.5	2786.1	2752.4	2734.9	2700.0	2673.8
165°	2880.7	2896.5	2880.7	2864.9	2860.9	2824.7	2776.5	2752.4	2744.5	2728.7	2716.9
167.5°	2850.5	2857.2	2850.5	2843.9	2842.2	2818.5	2786.9	2771.1	2764.5	2751.2	2741.2
170°	2842.2	2842.2	2842.2	2842.2	2842.2	2818.5	2786.9	2771.1	2770.7	2769.9	2769.3
172.5°	2820.0	2814.2	2820.0	2825.8	2827.3	2808.6	2783.6	2771.1	2771.1	2771.1	2771.1
175°	2806.7	2806.7	2806.7	2806.7	2806.7	2794.8	2779.0	2771.1	2774.9	2782.4	2788.0
177.5°	2794.6	2788.0	2794.6	2801.2	2802.9	2793.6	2781.1	2774.9	2777.8	2783.6	2788.0
180°	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5442.1	5411.7	5411.7	5360.9	5340.6	5325.4	5300.0	5223.8	5203.5	5183.2	5213.7
5°	5487.8	5432.0	5391.3	5300.0	5223.8	5193.4	5096.9	4914.1	4792.3	4700.9	4650.2
7.5°	5498.0	5426.9	5350.7	5208.6	5025.8	4944.6	4650.2	4315.1	4223.7	4142.5	4091.7
10°	5487.8	5406.6	5300.0	5086.8	4655.2	4513.1	4218.7	4000.4	3944.5	3929.3	3944.5
12.5°	5452.3	5376.1	5228.9	4873.5	4269.4	4173.0	4000.4	3873.4	3863.3	3888.7	4025.7
15°	5391.3	5320.3	5147.7	4589.2	4056.2	3985.1	3863.3	3817.6	3873.4	4051.1	4462.3
17.5°	5330.4	5249.2	5036.0	4310.0	3893.8	3843.0	3756.7	3848.1	4162.8	4401.4	4538.5
20°	5249.2	5152.7	4909.1	4107.0	3777.0	3731.3	3690.7	4101.9	4340.5	4426.8	4502.9
22.5°	5152.7	5051.2	4736.5	3964.8	3655.2	3619.6	3645.0	4244.0	4340.5	4401.4	4467.4
25°	5025.8	4939.5	4533.4	3853.1	3558.7	3518.1	3614.5	4228.8	4284.6	4299.9	4431.9
27.5°	4909.1	4797.4	4320.2	3751.6	3441.9	3426.7	3639.9	4162.8	4203.4	4218.7	4360.8
30°	4766.9	4599.4	4081.6	3645.0	3320.1	3315.0	3645.0	4081.6	4071.4	4112.0	4254.2
32.5°	4619.7	4305.0	3812.5	3513.0	3203.3	3198.3	3609.5	3959.7	3949.6	4005.4	4112.0
35°	4482.6	4076.5	3447.0	3360.7	3056.1	3061.2	3523.2	3817.6	3822.7	3873.4	3939.4
37.5°	4340.5	3878.5	3046.0	3193.2	2914.0	2914.0	3406.4	3685.6	3675.5	3690.7	3782.1
40°	4173.0	3568.8	2690.6	2974.9	2782.0	2766.7	3264.3	3543.5	3507.9	3502.9	3629.8
42.5°	3995.3	3228.7	2426.6	2685.5	2629.7	2609.4	3091.6	3370.9	3304.9	3320.1	3482.5
45°	3802.4	3137.3	2223.5	2269.2	2472.3	2457.1	2903.8	3172.9	3127.2	3167.8	3335.3
47.5°	3609.5	2954.6	2157.6	1883.4	2304.8	2299.7	2695.7	2980.0	2954.6	2995.2	3172.9
50°	3345.5	2751.5	2152.5	1614.4	2116.9	2137.2	2446.9	2792.1	2792.1	2827.7	3015.5
52.5°	3005.3	2502.8	1954.5	1462.1	1898.6	1959.6	2228.6	2629.7	2639.8	2675.4	2842.9
55°	2695.7	2243.9	1812.3	1345.3	1639.7	1771.7	2015.4	2462.1	2482.5	2518.0	2670.3
57.5°	2411.4	1868.2	1781.9	1208.2	1401.1	1528.1	1827.6	2299.7	2309.9	2340.3	2487.5
60°	2106.8	1350.4	1634.7	1061.0	1193.0	1289.5	1655.0	2106.8	2142.3	2162.6	2289.5
62.5°	1761.6	979.8	1482.4	959.5	1091.5	1111.8	1512.8	1924.0	1969.7	1984.9	2061.1
65°	1253.9	822.4	1259.0	873.2	984.9	989.9	1360.5	1736.2	1776.8	1802.2	1858.0
67.5°	847.8	670.1	959.5	791.9	903.6	908.7	1213.3	1517.9	1573.7	1594.1	1629.6
70°	588.9	446.7	710.7	705.6	812.3	822.4	1055.9	1319.9	1370.7	1385.9	1406.2
72.5°	431.5	360.4	588.9	634.6	715.8	726.0	893.5	1096.5	1147.3	1162.5	1172.7
75°	330.0	380.7	477.2	553.3	609.2	614.3	731.0	893.5	929.0	939.2	944.2
77.5°	264.0	355.4	350.3	446.7	497.5	487.4	573.7	690.4	720.9	720.9	720.9
80°	198.0	279.2	264.0	319.8	365.5	355.4	411.2	492.4	502.6	512.7	507.7
82.5°	147.2	177.7	177.7	203.1	243.7	233.5	274.1	319.8	319.8	319.8	330.0
85°	91.4	101.5	81.2	106.6	137.1	132.0	152.3	172.6	177.7	177.7	167.5
87.5°	55.8	45.7	25.4	40.6	60.9	60.9	71.1	76.1	71.1	71.1	71.1
90°	48.7	33.7	18.7	33.7	48.7	52.4	82.3	122.2	142.2	126.4	94.8
92.5°	329.3	202.0	74.8	202.0	329.3	361.1	507.7	703.1	800.8	701.8	503.9
95°	645.3	412.4	179.6	412.4	645.3	703.5	1249.3	1977.0	2340.8	2088.8	1584.9
97.5°	721.4	516.0	310.6	516.0	721.4	772.8	1682.8	2896.1	3502.7	3343.5	3025.0
100°	784.2	597.9	411.6	597.9	784.2	830.8	1840.6	3186.9	3860.1	3871.7	3895.0
102.5°	845.3	671.5	497.7	671.5	845.3	888.8	1912.9	3278.4	3961.2	4164.1	4569.9
105°	938.1	790.9	643.7	790.9	938.1	974.9	1966.6	3288.8	3949.9	4404.8	5314.6
107.5°	1067.8	930.6	793.4	930.6	1067.8	1102.1	1976.5	3142.4	3725.4	4359.9	5628.9
110°	1142.2	1018.3	894.4	1018.3	1142.2	1173.2	1961.6	3012.7	3538.3	4247.7	5666.4



TEST NUMBER: P936113

CATALOG NUMBER: SQ4-FA-150U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1229.8	1111.7	993.6	1111.7	1229.8	1259.3	1962.2	2899.4	3368.0	4094.0	5546.0
115°	1361.2	1252.2	1143.3	1252.2	1361.2	1388.4	1980.3	2769.5	3164.1	3863.5	5262.2
117.5°	1489.0	1390.0	1291.1	1390.0	1489.0	1513.7	2017.0	2688.1	3023.7	3654.9	4917.3
120°	1563.4	1470.3	1377.1	1470.3	1563.4	1586.7	2047.0	2660.7	2967.6	3544.3	4697.7
122.5°	1649.3	1555.3	1461.3	1555.3	1649.3	1672.8	2090.1	2646.4	2924.6	3443.9	4482.6
125°	1761.8	1676.1	1590.5	1676.1	1761.8	1783.2	2148.1	2634.6	2877.8	3319.0	4201.3
127.5°	1868.2	1781.7	1695.2	1781.7	1868.2	1889.8	2206.0	2627.7	2838.5	3217.3	3974.9
130°	1937.6	1844.5	1751.4	1844.5	1937.6	1960.9	2248.4	2631.8	2823.5	3160.7	3835.2
132.5°	1995.6	1902.5	1809.4	1902.5	1995.6	2018.9	2282.7	2634.5	2810.4	3112.3	3716.1
135°	2065.1	1980.2	1895.4	1980.2	2065.1	2086.3	2320.2	2632.1	2788.0	3040.8	3546.4
137.5°	2151.4	2067.4	1983.4	2067.4	2151.4	2172.4	2376.3	2648.2	2784.2	2997.9	3425.4
140°	2211.1	2133.7	2056.4	2133.7	2211.1	2230.4	2410.6	2650.9	2771.1	2955.7	3325.0
142.5°	2255.5	2184.0	2112.5	2184.0	2255.5	2273.4	2439.3	2660.5	2771.1	2933.3	3257.6
145°	2323.3	2261.0	2198.6	2261.0	2323.3	2338.9	2476.7	2660.5	2752.4	2885.0	3150.3
147.5°	2406.0	2345.3	2284.6	2345.3	2406.0	2421.2	2531.6	2678.8	2752.4	2856.8	3065.5
150°	2450.6	2395.7	2340.8	2395.7	2450.6	2464.3	2560.3	2688.4	2752.4	2840.6	3016.9
152.5°	2481.9	2440.4	2398.8	2440.4	2481.9	2492.3	2579.0	2694.6	2752.4	2827.7	2978.2
155°	2546.4	2515.7	2484.9	2515.7	2546.4	2554.1	2620.2	2708.3	2752.4	2812.3	2932.1
157.5°	2608.3	2578.4	2548.5	2578.4	2608.3	2615.8	2661.3	2722.0	2752.4	2799.0	2892.1
160°	2638.1	2614.8	2591.5	2614.8	2638.1	2643.9	2680.1	2728.3	2752.4	2792.3	2872.1
162.5°	2669.4	2652.0	2634.5	2652.0	2669.4	2673.8	2700.0	2734.9	2752.4	2786.1	2853.5
165°	2712.9	2697.1	2681.3	2697.1	2712.9	2716.9	2728.7	2744.5	2752.4	2776.5	2824.7
167.5°	2739.3	2731.9	2724.4	2731.9	2739.3	2741.2	2751.2	2764.5	2771.1	2786.9	2818.5
170°	2767.4	2759.9	2752.4	2759.9	2767.4	2769.3	2769.9	2770.7	2771.1	2786.9	2818.5
172.5°	2770.7	2769.0	2767.4	2769.0	2770.7	2771.1	2771.1	2771.1	2771.1	2783.6	2808.6
175°	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2782.4	2774.9	2771.1	2779.0	2794.8
177.5°	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2783.6	2777.8	2774.9	2781.1	2793.6
180°	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0



TEST NUMBER: P936113
 CATALOG NUMBER: SQ4-FA-150U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5178.1	5162.9	5183.2	5127.4	5183.2	5162.9	5178.1	5213.7	5183.2	5203.5	5223.8
5°	4543.6	4518.2	4436.9	4371.0	4436.9	4518.2	4543.6	4650.2	4700.9	4792.3	4914.1
7.5°	4061.3	4041.0	4020.7	3980.1	4020.7	4041.0	4061.3	4091.7	4142.5	4223.7	4315.1
10°	3954.7	3959.7	3990.2	3985.1	3990.2	3959.7	3954.7	3944.5	3929.3	3944.5	4000.4
12.5°	4228.8	4274.5	4442.0	4431.9	4442.0	4274.5	4228.8	4025.7	3888.7	3863.3	3873.4
15°	4543.6	4558.8	4594.3	4599.4	4594.3	4558.8	4543.6	4462.3	4051.1	3873.4	3817.6
17.5°	4574.0	4579.1	4604.5	4604.5	4604.5	4579.1	4574.0	4538.5	4401.4	4162.8	3848.1
20°	4548.6	4558.8	4609.6	4619.7	4609.6	4558.8	4548.6	4502.9	4426.8	4340.5	4101.9
22.5°	4538.5	4558.8	4599.4	4594.3	4599.4	4558.8	4538.5	4467.4	4401.4	4340.5	4244.0
25°	4487.7	4487.7	4492.8	4497.9	4492.8	4487.7	4487.7	4431.9	4299.9	4284.6	4228.8
27.5°	4381.1	4391.3	4421.7	4416.6	4421.7	4391.3	4381.1	4360.8	4218.7	4203.4	4162.8
30°	4284.6	4274.5	4249.1	4228.8	4249.1	4274.5	4284.6	4254.2	4112.0	4071.4	4081.6
32.5°	4122.2	4096.8	4071.4	4056.2	4071.4	4096.8	4122.2	4112.0	4005.4	3949.6	3959.7
35°	3929.3	3934.4	3929.3	3914.1	3929.3	3934.4	3929.3	3939.4	3873.4	3822.7	3817.6
37.5°	3792.2	3802.4	3797.3	3777.0	3797.3	3802.4	3792.2	3782.1	3690.7	3675.5	3685.6
40°	3650.1	3655.2	3650.1	3634.8	3650.1	3655.2	3650.1	3629.8	3502.9	3507.9	3543.5
42.5°	3513.0	3507.9	3492.7	3482.5	3492.7	3507.9	3513.0	3482.5	3320.1	3304.9	3370.9
45°	3355.6	3360.7	3330.2	3315.0	3330.2	3360.7	3355.6	3335.3	3167.8	3127.2	3172.9
47.5°	3198.3	3198.3	3172.9	3157.6	3172.9	3198.3	3198.3	3172.9	2995.2	2954.6	2980.0
50°	3030.7	3025.7	2990.1	2985.0	2990.1	3025.7	3030.7	3015.5	2827.7	2792.1	2792.1
52.5°	2837.8	2837.8	2842.9	2853.0	2842.9	2837.8	2837.8	2842.9	2675.4	2639.8	2629.7
55°	2670.3	2675.4	2710.9	2721.1	2710.9	2675.4	2670.3	2670.3	2518.0	2482.5	2462.1
57.5°	2497.7	2497.7	2523.1	2523.1	2523.1	2497.7	2497.7	2487.5	2340.3	2309.9	2299.7
60°	2299.7	2309.9	2330.2	2325.1	2330.2	2309.9	2299.7	2289.5	2162.6	2142.3	2106.8
62.5°	2091.6	2101.7	2106.8	2096.6	2106.8	2101.7	2091.6	2061.1	1984.9	1969.7	1924.0
65°	1873.3	1883.4	1888.5	1878.3	1888.5	1883.4	1873.3	1858.0	1802.2	1776.8	1736.2
67.5°	1649.9	1644.8	1639.7	1660.0	1639.7	1644.8	1649.9	1629.6	1594.1	1573.7	1517.9
70°	1421.4	1421.4	1416.4	1426.5	1416.4	1421.4	1421.4	1406.2	1385.9	1370.7	1319.9
72.5°	1177.8	1172.7	1193.0	1177.8	1193.0	1172.7	1177.8	1172.7	1162.5	1147.3	1096.5
75°	939.2	949.3	939.2	954.4	939.2	949.3	939.2	944.2	939.2	929.0	893.5
77.5°	715.8	726.0	715.8	715.8	715.8	726.0	715.8	720.9	720.9	720.9	690.4
80°	507.7	502.6	502.6	497.5	502.6	502.6	507.7	507.7	512.7	502.6	492.4
82.5°	324.9	319.8	319.8	330.0	319.8	319.8	324.9	330.0	319.8	319.8	319.8
85°	177.7	182.8	172.6	172.6	172.6	182.8	177.7	167.5	177.7	177.7	172.6
87.5°	66.0	60.9	60.9	60.9	60.9	60.9	66.0	71.1	71.1	71.1	76.1
90°	71.1	71.1	71.1	71.1	71.1	71.1	71.1	94.8	126.4	142.2	122.2
92.5°	355.5	341.4	284.8	228.3	284.8	341.4	355.5	503.9	701.8	800.8	703.1
95°	1206.9	1164.1	992.7	821.4	992.7	1164.1	1206.9	1584.9	2088.8	2340.8	1977.0
97.5°	2786.1	2704.6	2378.6	2052.6	2378.6	2704.6	2786.1	3025.0	3343.5	3502.7	2896.1
100°	3912.5	3815.4	3427.1	3038.7	3427.1	3815.4	3912.5	3895.0	3871.7	3860.1	3186.9
102.5°	4874.3	4791.1	4458.5	4125.8	4458.5	4791.1	4874.3	4569.9	4164.1	3961.2	3278.4
105°	5996.9	5952.2	5773.5	5594.7	5773.5	5952.2	5996.9	5314.6	4404.8	3949.9	3288.8
107.5°	6580.7	6591.5	6634.8	6678.0	6634.8	6591.5	6580.7	5628.9	4359.9	3725.4	3142.4
110°	6730.4	6777.0	6963.3	7149.6	6963.3	6777.0	6730.4	5666.4	4247.7	3538.3	3012.7



TEST NUMBER: P936113

CATALOG NUMBER: SQ4-FA-150U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6635.0	6706.5	6992.6	7278.7	6992.6	6706.5	6635.0	5546.0	4094.0	3368.0	2899.4
115°	6311.3	6410.5	6807.1	7203.8	6807.1	6410.5	6311.3	5262.2	3863.5	3164.1	2769.5
117.5°	5864.1	5974.1	6414.0	6853.9	6414.0	5974.1	5864.1	4917.3	3654.9	3023.7	2688.1
120°	5562.8	5669.7	6097.1	6524.6	6097.1	5669.7	5562.8	4697.7	3544.3	2967.6	2660.7
122.5°	5261.6	5367.0	5788.7	6210.3	5788.7	5367.0	5261.6	4482.6	3443.9	2924.6	2646.4
125°	4863.0	4960.1	5348.5	5736.9	5348.5	4960.1	4863.0	4201.3	3319.0	2877.8	2634.6
127.5°	4543.1	4625.0	4952.7	5280.3	4952.7	4625.0	4543.1	3974.9	3217.3	2838.5	2627.7
130°	4341.0	4416.7	4719.4	5022.1	4719.4	4416.7	4341.0	3835.2	3160.7	2823.5	2631.8
132.5°	4168.9	4236.7	4507.7	4778.8	4507.7	4236.7	4168.9	3716.1	3112.3	2810.4	2634.5
135°	3925.6	3984.0	4217.7	4451.4	4217.7	3984.0	3925.6	3546.4	3040.8	2788.0	2632.1
137.5°	3746.0	3793.8	3985.1	4176.3	3985.1	3793.8	3746.0	3425.4	2997.9	2784.2	2648.2
140°	3601.9	3646.6	3825.4	4004.2	3825.4	3646.6	3601.9	3325.0	2955.7	2771.1	2650.9
142.5°	3500.9	3539.4	3693.2	3847.0	3693.2	3539.4	3500.9	3257.6	2933.3	2771.1	2660.5
145°	3349.3	3378.4	3494.9	3611.3	3494.9	3378.4	3349.3	3150.3	2885.0	2752.4	2660.5
147.5°	3222.1	3246.2	3342.7	3439.1	3342.7	3246.2	3222.1	3065.5	2856.8	2752.4	2678.8
150°	3149.1	3168.6	3246.8	3325.0	3246.8	3168.6	3149.1	3016.9	2840.6	2752.4	2688.4
152.5°	3091.1	3105.9	3164.9	3223.9	3164.9	3105.9	3091.1	2978.2	2827.7	2752.4	2694.6
155°	3021.9	3031.7	3070.7	3109.8	3070.7	3031.7	3021.9	2932.1	2812.3	2752.4	2708.3
157.5°	2962.0	2968.9	2996.3	3023.7	2996.3	2968.9	2962.0	2892.1	2799.0	2752.4	2722.0
160°	2932.0	2936.0	2951.8	2967.6	2951.8	2936.0	2932.0	2872.1	2792.3	2752.4	2728.3
162.5°	2904.0	2907.7	2922.7	2937.7	2922.7	2907.7	2904.0	2853.5	2786.1	2752.4	2734.9
165°	2860.9	2864.9	2880.7	2896.5	2880.7	2864.9	2860.9	2824.7	2776.5	2752.4	2744.5
167.5°	2842.2	2843.9	2850.5	2857.2	2850.5	2843.9	2842.2	2818.5	2786.9	2771.1	2764.5
170°	2842.2	2842.2	2842.2	2842.2	2842.2	2842.2	2842.2	2818.5	2786.9	2771.1	2770.7
172.5°	2827.3	2825.8	2820.0	2814.2	2820.0	2825.8	2827.3	2808.6	2783.6	2771.1	2771.1
175°	2806.7	2806.7	2806.7	2806.7	2806.7	2806.7	2806.7	2794.8	2779.0	2771.1	2774.9
177.5°	2802.9	2801.2	2794.6	2788.0	2794.6	2801.2	2802.9	2793.6	2781.1	2774.9	2777.8
180°	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0	2788.0



TEST NUMBER: P936113

CATALOG NUMBER: SQ4-FA-150U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5300.0	5325.4	5340.6	5360.9	5411.7
5°	5096.9	5193.4	5223.8	5300.0	5391.3
7.5°	4650.2	4944.6	5025.8	5208.6	5350.7
10°	4218.7	4513.1	4655.2	5086.8	5300.0
12.5°	4000.4	4173.0	4269.4	4873.5	5228.9
15°	3863.3	3985.1	4056.2	4589.2	5147.7
17.5°	3756.7	3843.0	3893.8	4310.0	5036.0
20°	3690.7	3731.3	3777.0	4107.0	4909.1
22.5°	3645.0	3619.6	3655.2	3964.8	4736.5
25°	3614.5	3518.1	3558.7	3853.1	4533.4
27.5°	3639.9	3426.7	3441.9	3751.6	4320.2
30°	3645.0	3315.0	3320.1	3645.0	4081.6
32.5°	3609.5	3198.3	3203.3	3513.0	3812.5
35°	3523.2	3061.2	3056.1	3360.7	3447.0
37.5°	3406.4	2914.0	2914.0	3193.2	3046.0
40°	3264.3	2766.7	2782.0	2974.9	2690.6
42.5°	3091.6	2609.4	2629.7	2685.5	2426.6
45°	2903.8	2457.1	2472.3	2269.2	2223.5
47.5°	2695.7	2299.7	2304.8	1883.4	2157.6
50°	2446.9	2137.2	2116.9	1614.4	2152.5
52.5°	2228.6	1959.6	1898.6	1462.1	1954.5
55°	2015.4	1771.7	1639.7	1345.3	1812.3
57.5°	1827.6	1528.1	1401.1	1208.2	1781.9
60°	1655.0	1289.5	1193.0	1061.0	1634.7
62.5°	1512.8	1111.8	1091.5	959.5	1482.4
65°	1360.5	989.9	984.9	873.2	1259.0
67.5°	1213.3	908.7	903.6	791.9	959.5
70°	1055.9	822.4	812.3	705.6	710.7
72.5°	893.5	726.0	715.8	634.6	588.9
75°	731.0	614.3	609.2	553.3	477.2
77.5°	573.7	487.4	497.5	446.7	350.3
80°	411.2	355.4	365.5	319.8	264.0
82.5°	274.1	233.5	243.7	203.1	177.7
85°	152.3	132.0	137.1	106.6	81.2
87.5°	71.1	60.9	60.9	40.6	25.4
90°	82.3	52.4	48.7	33.7	18.7
92.5°	507.7	361.1	329.3	202.0	74.8
95°	1249.3	703.5	645.3	412.4	179.6
97.5°	1682.8	772.8	721.4	516.0	310.6
100°	1840.6	830.8	784.2	597.9	411.6
102.5°	1912.9	888.8	845.3	671.5	497.7
105°	1966.6	974.9	938.1	790.9	643.7
107.5°	1976.5	1102.1	1067.8	930.6	793.4
110°	1961.6	1173.2	1142.2	1018.3	894.4



TEST NUMBER: P936113
 CATALOG NUMBER: SQ4-FA-150U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1962.2	1259.3	1229.8	1111.7	993.6
115°	1980.3	1388.4	1361.2	1252.2	1143.3
117.5°	2017.0	1513.7	1489.0	1390.0	1291.1
120°	2047.0	1586.7	1563.4	1470.3	1377.1
122.5°	2090.1	1672.8	1649.3	1555.3	1461.3
125°	2148.1	1783.2	1761.8	1676.1	1590.5
127.5°	2206.0	1889.8	1868.2	1781.7	1695.2
130°	2248.4	1960.9	1937.6	1844.5	1751.4
132.5°	2282.7	2018.9	1995.6	1902.5	1809.4
135°	2320.2	2086.3	2065.1	1980.2	1895.4
137.5°	2376.3	2172.4	2151.4	2067.4	1983.4
140°	2410.6	2230.4	2211.1	2133.7	2056.4
142.5°	2439.3	2273.4	2255.5	2184.0	2112.5
145°	2476.7	2338.9	2323.3	2261.0	2198.6
147.5°	2531.6	2421.2	2406.0	2345.3	2284.6
150°	2560.3	2464.3	2450.6	2395.7	2340.8
152.5°	2579.0	2492.3	2481.9	2440.4	2398.8
155°	2620.2	2554.1	2546.4	2515.7	2484.9
157.5°	2661.3	2615.8	2608.3	2578.4	2548.5
160°	2680.1	2643.9	2638.1	2614.8	2591.5
162.5°	2700.0	2673.8	2669.4	2652.0	2634.5
165°	2728.7	2716.9	2712.9	2697.1	2681.3
167.5°	2751.2	2741.2	2739.3	2731.9	2724.4
170°	2769.9	2769.3	2767.4	2759.9	2752.4
172.5°	2771.1	2771.1	2770.7	2769.0	2767.4
175°	2782.4	2788.0	2788.0	2788.0	2788.0
177.5°	2783.6	2788.0	2788.0	2788.0	2788.0
180°	2788.0	2788.0	2788.0	2788.0	2788.0



TEST NUMBER: P936113
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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	13.94	14.75	14.95	15.77	17.13	16.79	17.60	17.80	18.62	19.98
	3H	14.41	15.14	15.44	16.17	17.55	18.14	18.86	19.16	19.89	21.27
	4H	14.60	15.29	15.64	16.32	17.71	18.59	19.27	19.62	20.30	21.69
	6H	14.72	15.35	15.76	16.38	17.79	18.87	19.50	19.92	20.54	21.94
	8H	14.72	15.32	15.77	16.37	17.77	18.95	19.55	20.00	20.60	22.00
	12H	14.69	15.26	15.74	16.30	17.72	18.99	19.56	20.04	20.61	22.03
4H	2H	14.97	15.66	16.01	16.69	18.08	17.19	17.88	18.23	18.91	20.30
	3H	15.99	16.56	17.04	17.62	19.03	18.70	19.27	19.75	20.33	21.73
	4H	16.27	16.79	17.32	17.84	19.27	19.23	19.75	20.29	20.80	22.23
	6H	16.39	16.84	17.45	17.91	19.33	19.60	20.05	20.66	21.12	22.54
	8H	16.39	16.81	17.46	17.88	19.31	19.71	20.13	20.77	21.19	22.63
	12H	16.36	16.74	17.44	17.82	19.26	19.77	20.14	20.85	21.23	22.67
8H	4H	16.72	17.14	17.79	18.21	19.64	19.35	19.77	20.42	20.84	22.27
	6H	16.98	17.33	18.07	18.44	19.87	19.79	20.14	20.88	21.25	22.68
	8H	17.02	17.33	18.12	18.42	19.87	19.95	20.25	21.04	21.34	22.79
	12H	17.00	17.27	18.10	18.36	19.85	20.05	20.31	21.14	21.40	22.89
12H	4H	16.72	17.10	17.81	18.18	19.62	19.31	19.69	20.40	20.77	22.21
	6H	17.04	17.35	18.14	18.44	19.89	19.79	20.09	20.88	21.18	22.63
	8H	17.11	17.37	18.20	18.46	19.95	19.95	20.22	21.05	21.30	22.80