

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: P936109

Luminaire Tested: SQ4-FA-150U-125D-830-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936109
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-830-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

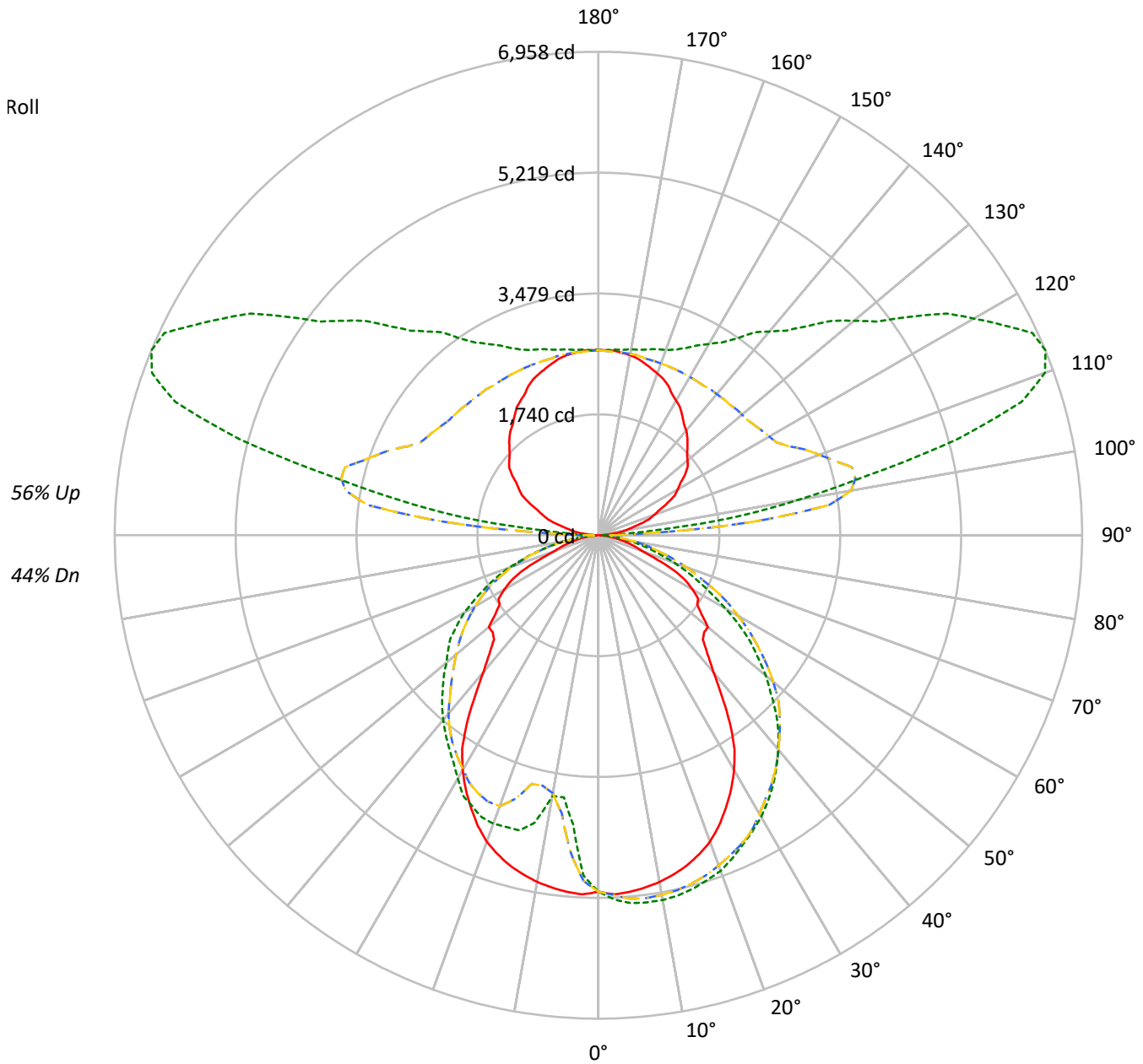
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30589.1 lumens
Efficiency: N/A
Efficacy: 122.6 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°	15867	15867	15867	15867
5°	15991	16017	15991	12594
10°	15890	15777	15890	11280
15°	15724	15436	15724	12889
20°	15401	15031	15401	12916
25°	14734	14440	14734	12642
30°	13870	13950	13870	12042
35°	12371	13330	12371	11381
40°	10314	12599	10314	10882
45°	9222	11745	9222	10308
50°	9805	10726	9805	9732
55°	9233	9627	9233	9399
60°	9530	8176	9530	8609
65°	8654	6759	8654	7555
70°	6007	5386	6007	6333
75°	5287	3981	5287	4768
80°	4293	2632	4293	2866
85°	2514	1395	2514	1185

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14125 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	463.1	1.5
10°-20°	1314.8	4.3
20°-30°	2032.4	6.6
30°-40°	2426.2	7.9
40°-50°	2440.5	8.0
50°-60°	2123.5	6.9
60°-70°	1505.6	4.9
70°-80°	796.5	2.6
80°-90°	208.6	0.7
90°-100°	1299.2	4.2
100°-110°	3415.7	11.2
110°-120°	3541.7	11.6
120°-130°	2840.9	9.3
130°-140°	2229.1	7.3
140°-150°	1710.9	5.6
150°-160°	1232.1	4.0
160°-170°	753.9	2.5
170°-180°	254.7	0.8
0°-30°	3810.2	12.5
0°-40°	6236.4	20.4
0°-60°	10800.3	35.3
0°-90°	13311.0	43.5
90°-120°	8256.6	27.0
90°-150°	15037.4	49.2
90°-180°	17278.0	56.5
0°-180°	30589.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5130	5130	5130	5130	5130	
5°	5154	5314	5154	4179	5154	489
15°	4921	5266	4921	4397	4921	1385
25°	4334	4911	4334	4300	4334	1990
35°	3295	4382	3295	3742	3295	2039
45°	2126	3611	2126	3169	2126	1703
55°	1733	2664	1733	2601	1733	1592
65°	1204	1606	1204	1796	1204	1150
75°	456	762	456	912	456	480
85°	78	194	78	165	78	105
90°	18	68	18	68	18	18
95°	172	785	172	785	172	191
105°	615	5348	615	5348	615	652
115°	1093	6887	1093	6887	1093	1080
125°	1520	5484	1520	5484	1520	1350
135°	1812	4256	1812	4256	1812	1402
145°	2102	3452	2102	3452	2102	1317
155°	2376	2973	2376	2973	2376	1092
165°	2563	2769	2563	2769	2563	723
175°	2665	2683	2665	2683	2665	253
180°	2665	2665	2665	2665	2665	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9
2.5°	5173.6	5173.6	5202.6	5212.4	5212.4	5197.8	5183.2	5197.8	5241.5	5256.1	5251.2
5°	5154.1	5193.0	5246.3	5256.1	5265.7	5260.9	5251.2	5260.9	5309.4	5319.2	5324.0
7.5°	5115.3	5188.1	5256.1	5270.6	5285.2	5270.6	5265.7	5275.5	5324.0	5333.7	5333.7
10°	5066.8	5168.7	5246.3	5256.1	5270.6	5256.1	5256.1	5275.5	5324.0	5333.7	5338.6
12.5°	4998.8	5139.6	5212.4	5222.1	5241.5	5236.6	5231.8	5251.2	5299.7	5309.4	5309.4
15°	4921.2	5086.2	5154.1	5163.8	5197.8	5188.1	5188.1	5207.5	5260.9	5275.5	5270.6
17.5°	4814.4	5018.2	5095.9	5110.5	5134.7	5129.9	5134.7	5154.1	5202.6	5212.4	5217.2
20°	4693.1	4926.0	5018.2	5032.8	5057.0	5057.0	5057.0	5081.3	5129.9	5149.3	5149.3
22.5°	4528.1	4828.9	4926.0	4935.7	4964.9	4964.9	4974.5	5008.5	5052.2	5057.0	5057.0
25°	4333.9	4722.2	4804.7	4833.8	4863.0	4877.5	4892.0	4911.4	4926.0	4921.2	4926.0
27.5°	4130.1	4586.3	4693.1	4712.5	4751.3	4765.9	4785.3	4790.1	4795.0	4809.5	4799.9
30°	3902.0	4397.0	4557.2	4576.6	4639.7	4649.4	4630.0	4639.7	4663.9	4673.7	4683.3
32.5°	3644.8	4115.6	4416.4	4460.1	4518.3	4489.3	4484.4	4498.9	4537.7	4537.7	4547.5
35°	3295.3	3897.1	4285.4	4324.2	4367.9	4333.9	4353.3	4358.2	4382.5	4397.0	4392.2
37.5°	2912.0	3707.8	4149.5	4178.7	4212.6	4168.9	4198.1	4212.6	4232.0	4222.3	4222.3
40°	2572.2	3411.8	3989.4	4008.8	4037.9	4003.9	4033.1	4042.7	4052.5	4042.7	4037.9
42.5°	2319.8	3086.6	3819.5	3843.8	3824.4	3848.6	3858.3	3877.7	3863.2	3843.8	3843.8
45°	2125.7	2999.3	3635.1	3664.2	3635.1	3673.9	3688.4	3688.4	3644.8	3635.1	3630.2
47.5°	2062.7	2824.6	3450.7	3450.7	3436.1	3484.6	3508.9	3474.9	3431.3	3416.6	3416.6
50°	2057.8	2630.4	3198.3	3178.9	3246.8	3305.1	3280.8	3246.8	3212.8	3159.5	3159.5
52.5°	1868.5	2392.7	2873.1	2945.9	3052.7	3086.6	3047.8	3013.9	2955.6	2931.4	2912.0
55°	1732.6	2145.2	2577.1	2722.7	2834.3	2877.9	2805.2	2771.2	2683.9	2669.2	2659.6
57.5°	1703.5	1786.0	2305.3	2489.7	2625.6	2620.8	2577.1	2514.0	2441.1	2426.6	2421.7
60°	1562.8	1291.0	2014.1	2232.5	2373.3	2358.6	2319.8	2261.6	2193.6	2184.0	2174.2
62.5°	1417.2	936.7	1684.1	1931.6	2130.5	2125.7	2091.7	2004.3	1955.9	1931.6	1912.2
65°	1203.6	786.2	1198.7	1606.5	1892.8	1902.4	1829.7	1766.6	1713.2	1684.1	1679.2
67.5°	917.3	640.6	810.5	1339.5	1664.7	1654.9	1562.8	1533.6	1465.6	1451.1	1422.0
70°	679.4	427.0	563.0	1087.2	1441.4	1417.2	1344.3	1310.4	1247.3	1213.3	1193.9
72.5°	563.0	344.5	412.5	844.4	1213.3	1184.2	1121.1	1082.3	1028.8	999.8	980.4
75°	456.2	363.9	315.5	626.1	985.2	965.8	907.5	868.7	825.0	786.2	791.1
77.5°	334.9	339.8	252.4	461.1	781.3	752.3	718.2	669.8	650.4	611.6	611.6
80°	252.4	266.9	189.3	315.5	563.0	563.0	533.8	499.9	466.0	446.5	446.5
82.5°	169.9	169.9	140.7	198.9	383.5	368.8	349.4	339.8	320.4	310.6	310.6
85°	77.6	97.0	87.4	121.3	208.7	218.4	218.4	208.7	203.8	194.2	198.9
87.5°	24.3	43.7	53.3	68.0	106.8	111.7	116.4	116.4	116.4	121.3	121.3
90°	17.9	32.2	46.6	50.1	78.7	116.8	135.9	120.8	90.6	68.0	68.0
92.5°	71.5	193.1	314.8	345.2	485.4	672.2	765.6	670.9	481.7	339.9	326.4
95°	171.7	394.3	616.9	672.5	1194.3	1890.0	2237.8	1996.9	1515.2	1153.8	1112.9
97.5°	296.9	493.3	689.7	738.8	1608.8	2768.7	3348.6	3196.4	2891.9	2663.5	2585.6
100°	393.5	571.6	749.7	794.2	1759.6	3046.7	3690.3	3701.3	3723.6	3740.4	3647.5
102.5°	475.8	642.0	808.1	849.7	1828.7	3134.2	3786.9	3980.9	4368.8	4659.8	4580.3
105°	615.4	756.1	896.8	932.0	1880.1	3144.1	3776.1	4211.0	5080.8	5733.0	5690.3
107.5°	758.5	889.7	1020.8	1053.6	1889.5	3004.1	3561.5	4168.1	5381.2	6291.1	6301.5
110°	855.0	973.5	1091.9	1121.6	1875.3	2880.1	3382.6	4060.8	5417.1	6434.3	6478.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	949.9	1062.8	1175.7	1203.9	1875.9	2771.8	3219.8	3913.9	5302.0	6343.1	6411.4
115°	1093.0	1197.1	1301.3	1327.3	1893.2	2647.6	3024.9	3693.5	5030.7	6033.6	6128.4
117.5°	1234.3	1328.8	1423.5	1447.1	1928.3	2569.8	2890.7	3494.1	4700.9	5606.1	5711.2
120°	1316.5	1405.6	1494.6	1516.9	1956.9	2543.6	2837.0	3388.4	4491.0	5318.0	5420.2
122.5°	1397.0	1486.9	1576.7	1599.2	1998.1	2530.0	2795.9	3292.4	4285.4	5030.1	5130.9
125°	1520.5	1602.4	1684.3	1704.7	2053.6	2518.7	2751.2	3173.0	4016.4	4649.0	4741.9
127.5°	1620.6	1703.3	1786.0	1806.6	2108.9	2512.1	2713.6	3075.7	3800.0	4343.2	4421.5
130°	1674.3	1763.3	1852.3	1874.6	2149.5	2516.0	2699.3	3021.6	3666.5	4150.0	4222.4
132.5°	1729.8	1818.8	1907.8	1930.1	2182.3	2518.6	2686.7	2975.4	3552.6	3985.5	4050.3
135°	1812.0	1893.1	1974.2	1994.5	2218.1	2516.3	2665.3	2907.0	3390.4	3752.9	3808.7
137.5°	1896.1	1976.4	2056.7	2076.8	2271.7	2531.7	2661.7	2866.0	3274.7	3581.2	3626.9
140°	1965.9	2039.8	2113.8	2132.3	2304.5	2534.3	2649.2	2825.6	3178.7	3443.4	3486.1
142.5°	2019.6	2087.9	2156.3	2173.4	2332.0	2543.4	2649.2	2804.2	3114.3	3346.9	3383.7
145°	2101.9	2161.5	2221.1	2236.0	2367.7	2543.4	2631.3	2758.1	3011.7	3201.9	3229.8
147.5°	2184.1	2242.1	2300.1	2314.7	2420.2	2560.9	2631.3	2731.1	2930.6	3080.3	3103.4
150°	2237.8	2290.3	2342.8	2355.9	2447.6	2570.1	2631.3	2715.6	2884.2	3010.5	3029.2
152.5°	2293.3	2333.0	2372.7	2382.6	2465.5	2576.0	2631.3	2703.3	2847.2	2955.1	2969.2
155°	2375.6	2405.0	2434.4	2441.7	2504.9	2589.1	2631.3	2688.6	2803.1	2888.9	2898.3
157.5°	2436.4	2465.0	2493.5	2500.7	2544.2	2602.2	2631.3	2675.8	2764.8	2831.7	2838.3
160°	2477.5	2499.7	2522.0	2527.6	2562.2	2608.3	2631.3	2669.4	2745.7	2803.0	2806.8
162.5°	2518.6	2535.3	2551.9	2556.2	2581.2	2614.6	2631.3	2663.5	2727.9	2776.2	2779.8
165°	2563.3	2578.4	2593.5	2597.4	2608.6	2623.7	2631.3	2654.3	2700.4	2735.0	2738.8
167.5°	2604.5	2611.7	2618.8	2620.6	2630.1	2642.9	2649.2	2664.3	2694.5	2717.1	2718.8
170°	2631.3	2638.5	2645.6	2647.5	2648.0	2648.8	2649.2	2664.3	2694.5	2717.1	2717.1
172.5°	2645.6	2647.2	2648.8	2649.2	2649.2	2649.2	2649.2	2661.1	2685.0	2702.9	2701.5
175°	2665.3	2665.3	2665.3	2665.3	2660.0	2652.8	2649.2	2656.7	2671.8	2683.2	2683.2
177.5°	2665.3	2665.3	2665.3	2665.3	2661.1	2655.6	2652.8	2658.7	2670.7	2679.6	2677.9
180°	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9
2.5°	5260.9	5246.3	5260.9	5251.2	5256.1	5241.5	5197.8	5183.2	5197.8	5212.4	5212.4
5°	5324.0	5314.3	5324.0	5324.0	5319.2	5309.4	5260.9	5251.2	5260.9	5265.7	5256.1
7.5°	5343.4	5328.8	5343.4	5333.7	5333.7	5324.0	5275.5	5265.7	5270.6	5285.2	5270.6
10°	5343.4	5328.8	5343.4	5338.6	5333.7	5324.0	5275.5	5256.1	5256.1	5270.6	5256.1
12.5°	5319.2	5309.4	5319.2	5309.4	5309.4	5299.7	5251.2	5231.8	5236.6	5241.5	5222.1
15°	5280.3	5265.7	5280.3	5270.6	5275.5	5260.9	5207.5	5188.1	5188.1	5197.8	5163.8
17.5°	5222.1	5202.6	5222.1	5217.2	5212.4	5202.6	5154.1	5134.7	5129.9	5134.7	5110.5
20°	5154.1	5139.6	5154.1	5149.3	5149.3	5129.9	5081.3	5057.0	5057.0	5057.0	5032.8
22.5°	5047.4	5032.8	5047.4	5057.0	5057.0	5052.2	5008.5	4974.5	4964.9	4964.9	4935.7
25°	4926.0	4911.4	4926.0	4926.0	4921.2	4926.0	4911.4	4892.0	4877.5	4863.0	4833.8
27.5°	4809.5	4799.9	4809.5	4799.9	4809.5	4795.0	4790.1	4785.3	4765.9	4751.3	4712.5
30°	4693.1	4683.3	4693.1	4683.3	4673.7	4663.9	4639.7	4630.0	4649.4	4639.7	4576.6
32.5°	4547.5	4537.7	4547.5	4547.5	4537.7	4537.7	4498.9	4484.4	4489.3	4518.3	4460.1
35°	4397.0	4382.5	4397.0	4392.2	4397.0	4382.5	4358.2	4353.3	4333.9	4367.9	4324.2
37.5°	4222.3	4207.7	4222.3	4222.3	4222.3	4232.0	4212.6	4198.1	4168.9	4212.6	4178.7
40°	4042.7	4023.3	4042.7	4037.9	4042.7	4052.5	4042.7	4033.1	4003.9	4037.9	4008.8
42.5°	3838.9	3834.0	3838.9	3843.8	3843.8	3863.2	3877.7	3858.3	3848.6	3824.4	3843.8
45°	3620.5	3610.8	3620.5	3630.2	3635.1	3644.8	3688.4	3688.4	3673.9	3635.1	3664.2
47.5°	3387.6	3363.3	3387.6	3416.6	3416.6	3431.3	3474.9	3508.9	3484.6	3436.1	3450.7
50°	3140.1	3144.9	3140.1	3159.5	3159.5	3212.8	3246.8	3280.8	3305.1	3246.8	3178.9
52.5°	2897.3	2892.6	2897.3	2912.0	2931.4	2955.6	3013.9	3047.8	3086.6	3052.7	2945.9
55°	2654.7	2664.5	2654.7	2659.6	2669.2	2683.9	2771.2	2805.2	2877.9	2834.3	2722.7
57.5°	2412.1	2397.5	2412.1	2421.7	2426.6	2441.1	2514.0	2577.1	2620.8	2625.6	2489.7
60°	2130.5	2111.1	2130.5	2174.2	2184.0	2193.6	2261.6	2319.8	2358.6	2373.3	2232.5
62.5°	1883.0	1849.1	1883.0	1912.2	1931.6	1955.9	2004.3	2091.7	2125.7	2130.5	1931.6
65°	1621.0	1606.5	1621.0	1679.2	1684.1	1713.2	1766.6	1829.7	1902.4	1892.8	1606.5
67.5°	1383.1	1383.1	1383.1	1422.0	1451.1	1465.6	1533.6	1562.8	1654.9	1664.7	1339.5
70°	1164.8	1159.9	1164.8	1193.9	1213.3	1247.3	1310.4	1344.3	1417.2	1441.4	1087.2
72.5°	956.1	951.2	956.1	980.4	999.8	1028.8	1082.3	1121.1	1184.2	1213.3	844.4
75°	771.7	761.9	771.7	791.1	786.2	825.0	868.7	907.5	965.8	985.2	626.1
77.5°	592.1	592.1	592.1	611.6	611.6	650.4	669.8	718.2	752.3	781.3	461.1
80°	441.7	436.8	441.7	446.5	446.5	466.0	499.9	533.8	563.0	563.0	315.5
82.5°	310.6	300.9	310.6	310.6	310.6	320.4	339.8	349.4	368.8	383.5	198.9
85°	194.2	194.2	194.2	198.9	194.2	203.8	208.7	218.4	218.4	208.7	121.3
87.5°	126.2	121.3	126.2	121.3	121.3	116.4	116.4	116.4	111.7	106.8	68.0
90°	68.0	68.0	68.0	68.0	68.0	90.6	120.8	135.9	116.8	78.7	50.1
92.5°	272.3	218.3	272.3	326.4	339.9	481.7	670.9	765.6	672.2	485.4	345.2
95°	949.0	785.3	949.0	1112.9	1153.8	1515.2	1996.9	2237.8	1890.0	1194.3	672.5
97.5°	2273.9	1962.3	2273.9	2585.6	2663.5	2891.9	3196.4	3348.6	2768.7	1608.8	738.8
100°	3276.3	2905.0	3276.3	3647.5	3740.4	3723.6	3701.3	3690.3	3046.7	1759.6	794.2
102.5°	4262.3	3944.3	4262.3	4580.3	4659.8	4368.8	3980.9	3786.9	3134.2	1828.7	849.7
105°	5519.5	5348.5	5519.5	5690.3	5733.0	5080.8	4211.0	3776.1	3144.1	1880.1	932.0
107.5°	6342.9	6384.2	6342.9	6301.5	6291.1	5381.2	4168.1	3561.5	3004.1	1889.5	1053.6
110°	6656.9	6835.0	6656.9	6478.8	6434.3	5417.1	4060.8	3382.6	2880.1	1875.3	1121.6



TEST NUMBER: P936109

CATALOG NUMBER: SQ4-FA-150U-125D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6684.9	6958.4	6684.9	6411.4	6343.1	5302.0	3913.9	3219.8	2771.8	1875.9	1203.9
115°	6507.6	6886.8	6507.6	6128.4	6033.6	5030.7	3693.5	3024.9	2647.6	1893.2	1327.3
117.5°	6131.8	6552.3	6131.8	5711.2	5606.1	4700.9	3494.1	2890.7	2569.8	1928.3	1447.1
120°	5828.8	6237.5	5828.8	5420.2	5318.0	4491.0	3388.4	2837.0	2543.6	1956.9	1516.9
122.5°	5534.0	5937.0	5534.0	5130.9	5030.1	4285.4	3292.4	2795.9	2530.0	1998.1	1599.2
125°	5113.2	5484.5	5113.2	4741.9	4649.0	4016.4	3173.0	2751.2	2518.7	2053.6	1704.7
127.5°	4734.8	5048.0	4734.8	4421.5	4343.2	3800.0	3075.7	2713.6	2512.1	2108.9	1806.6
130°	4511.7	4801.1	4511.7	4222.4	4150.0	3666.5	3021.6	2699.3	2516.0	2149.5	1874.6
132.5°	4309.4	4568.5	4309.4	4050.3	3985.5	3552.6	2975.4	2686.7	2518.6	2182.3	1930.1
135°	4032.1	4255.5	4032.1	3808.7	3752.9	3390.4	2907.0	2665.3	2516.3	2218.1	1994.5
137.5°	3809.8	3992.5	3809.8	3626.9	3581.2	3274.7	2866.0	2661.7	2531.7	2271.7	2076.8
140°	3657.1	3828.0	3657.1	3486.1	3443.4	3178.7	2825.6	2649.2	2534.3	2304.5	2132.3
142.5°	3530.7	3677.7	3530.7	3383.7	3346.9	3114.3	2804.2	2649.2	2543.4	2332.0	2173.4
145°	3341.1	3452.4	3341.1	3229.8	3201.9	3011.7	2758.1	2631.3	2543.4	2367.7	2236.0
147.5°	3195.6	3287.8	3195.6	3103.4	3080.3	2930.6	2731.1	2631.3	2560.9	2420.2	2314.7
150°	3103.9	3178.7	3103.9	3029.2	3010.5	2884.2	2715.6	2631.3	2570.1	2447.6	2355.9
152.5°	3025.6	3082.0	3025.6	2969.2	2955.1	2847.2	2703.3	2631.3	2576.0	2465.5	2382.6
155°	2935.6	2973.0	2935.6	2898.3	2888.9	2803.1	2688.6	2631.3	2589.1	2504.9	2441.7
157.5°	2864.5	2890.7	2864.5	2838.3	2831.7	2764.8	2675.8	2631.3	2602.2	2544.2	2500.7
160°	2821.9	2837.0	2821.9	2806.8	2803.0	2745.7	2669.4	2631.3	2608.3	2562.2	2527.6
162.5°	2794.1	2808.4	2794.1	2779.8	2776.2	2727.9	2663.5	2631.3	2614.6	2581.2	2556.2
165°	2753.9	2769.1	2753.9	2738.8	2735.0	2700.4	2654.3	2631.3	2623.7	2608.6	2597.4
167.5°	2725.1	2731.5	2725.1	2718.8	2717.1	2694.5	2664.3	2649.2	2642.9	2630.1	2620.6
170°	2717.1	2717.1	2717.1	2717.1	2717.1	2694.5	2664.3	2649.2	2648.8	2648.0	2647.5
172.5°	2695.9	2690.4	2695.9	2701.5	2702.9	2685.0	2661.1	2649.2	2649.2	2649.2	2649.2
175°	2683.2	2683.2	2683.2	2683.2	2683.2	2671.8	2656.7	2649.2	2652.8	2660.0	2665.3
177.5°	2671.6	2665.3	2671.6	2677.9	2679.6	2670.7	2658.7	2652.8	2655.6	2661.1	2665.3
180°	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9
2.5°	5202.6	5173.6	5173.6	5125.0	5105.6	5091.1	5066.8	4994.0	4974.5	4955.1	4984.3
5°	5246.3	5193.0	5154.1	5066.8	4994.0	4964.9	4872.6	4697.9	4581.4	4494.1	4445.6
7.5°	5256.1	5188.1	5115.3	4979.4	4804.7	4727.0	4445.6	4125.2	4037.9	3960.2	3911.7
10°	5246.3	5168.7	5066.8	4863.0	4450.4	4314.5	4033.1	3824.4	3770.9	3756.4	3770.9
12.5°	5212.4	5139.6	4998.8	4659.1	4081.5	3989.4	3824.4	3703.0	3693.3	3717.6	3848.6
15°	5154.1	5086.2	4921.2	4387.3	3877.7	3809.8	3693.3	3649.6	3703.0	3872.9	4266.0
17.5°	5095.9	5018.2	4814.4	4120.4	3722.5	3673.9	3591.4	3678.8	3979.6	4207.7	4338.8
20°	5018.2	4926.0	4693.1	3926.3	3610.8	3567.1	3528.3	3921.4	4149.5	4232.0	4304.8
22.5°	4926.0	4828.9	4528.1	3790.3	3494.4	3460.3	3484.6	4057.3	4149.5	4207.7	4270.8
25°	4804.7	4722.2	4333.9	3683.6	3402.1	3363.3	3455.5	4042.7	4096.1	4110.7	4236.9
27.5°	4693.1	4586.3	4130.1	3586.5	3290.5	3275.9	3479.7	3979.6	4018.5	4033.1	4168.9
30°	4557.2	4397.0	3902.0	3484.6	3174.0	3169.1	3484.6	3902.0	3892.3	3931.1	4067.0
32.5°	4416.4	4115.6	3644.8	3358.4	3062.4	3057.6	3450.7	3785.5	3775.8	3829.2	3931.1
35°	4285.4	3897.1	3295.3	3212.8	2921.6	2926.5	3368.2	3649.6	3654.5	3703.0	3766.1
37.5°	4149.5	3707.8	2912.0	3052.7	2785.8	2785.8	3256.5	3523.4	3513.8	3528.3	3615.7
40°	3989.4	3411.8	2572.2	2844.0	2659.6	2645.0	3120.7	3387.6	3353.6	3348.8	3470.1
42.5°	3819.5	3086.6	2319.8	2567.3	2514.0	2494.6	2955.6	3222.6	3159.5	3174.0	3329.3
45°	3635.1	2999.3	2125.7	2169.4	2363.5	2349.0	2776.0	3033.3	2989.6	3028.4	3188.5
47.5°	3450.7	2824.6	2062.7	1800.5	2203.4	2198.5	2577.1	2848.9	2824.6	2863.4	3033.3
50°	3198.3	2630.4	2057.8	1543.4	2023.8	2043.2	2339.2	2669.2	2669.2	2703.3	2882.8
52.5°	2873.1	2392.7	1868.5	1397.8	1815.1	1873.4	2130.5	2514.0	2523.6	2557.7	2717.8
55°	2577.1	2145.2	1732.6	1286.1	1567.6	1693.7	1926.7	2353.8	2373.3	2407.2	2552.8
57.5°	2305.3	1786.0	1703.5	1155.0	1339.5	1460.9	1747.2	2198.5	2208.3	2237.3	2378.0
60°	2014.1	1291.0	1562.8	1014.3	1140.5	1232.8	1582.2	2014.1	2048.0	2067.4	2188.8
62.5°	1684.1	936.7	1417.2	917.3	1043.5	1062.9	1446.2	1839.3	1883.0	1897.6	1970.4
65°	1198.7	786.2	1203.6	834.8	941.6	946.3	1300.6	1659.8	1698.6	1722.9	1776.2
67.5°	810.5	640.6	917.3	757.1	863.8	868.7	1159.9	1451.1	1504.5	1524.0	1557.9
70°	563.0	427.0	679.4	674.6	776.6	786.2	1009.4	1261.8	1310.4	1324.9	1344.3
72.5°	412.5	344.5	563.0	606.7	684.3	694.1	854.2	1048.3	1096.8	1111.4	1121.1
75°	315.5	363.9	456.2	529.0	582.4	587.3	698.8	854.2	888.1	897.9	902.7
77.5°	252.4	339.8	334.9	427.0	475.6	466.0	548.5	660.0	689.2	689.2	689.2
80°	189.3	266.9	252.4	305.7	349.4	339.8	393.1	470.7	480.5	490.1	485.4
82.5°	140.7	169.9	169.9	194.2	233.0	223.2	262.0	305.7	305.7	305.7	315.5
85°	87.4	97.0	77.6	101.9	131.1	126.2	145.6	165.0	169.9	169.9	160.1
87.5°	53.3	43.7	24.3	38.8	58.2	58.2	68.0	72.8	68.0	68.0	68.0
90°	46.6	32.2	17.9	32.2	46.6	50.1	78.7	116.8	135.9	120.8	90.6
92.5°	314.8	193.1	71.5	193.1	314.8	345.2	485.4	672.2	765.6	670.9	481.7
95°	616.9	394.3	171.7	394.3	616.9	672.5	1194.3	1890.0	2237.8	1996.9	1515.2
97.5°	689.7	493.3	296.9	493.3	689.7	738.8	1608.8	2768.7	3348.6	3196.4	2891.9
100°	749.7	571.6	393.5	571.6	749.7	794.2	1759.6	3046.7	3690.3	3701.3	3723.6
102.5°	808.1	642.0	475.8	642.0	808.1	849.7	1828.7	3134.2	3786.9	3980.9	4368.8
105°	896.8	756.1	615.4	756.1	896.8	932.0	1880.1	3144.1	3776.1	4211.0	5080.8
107.5°	1020.8	889.7	758.5	889.7	1020.8	1053.6	1889.5	3004.1	3561.5	4168.1	5381.2
110°	1091.9	973.5	855.0	973.5	1091.9	1121.6	1875.3	2880.1	3382.6	4060.8	5417.1



TEST NUMBER: P936109

CATALOG NUMBER: SQ4-FA-150U-125D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1175.7	1062.8	949.9	1062.8	1175.7	1203.9	1875.9	2771.8	3219.8	3913.9	5302.0
115°	1301.3	1197.1	1093.0	1197.1	1301.3	1327.3	1893.2	2647.6	3024.9	3693.5	5030.7
117.5°	1423.5	1328.8	1234.3	1328.8	1423.5	1447.1	1928.3	2569.8	2890.7	3494.1	4700.9
120°	1494.6	1405.6	1316.5	1405.6	1494.6	1516.9	1956.9	2543.6	2837.0	3388.4	4491.0
122.5°	1576.7	1486.9	1397.0	1486.9	1576.7	1599.2	1998.1	2530.0	2795.9	3292.4	4285.4
125°	1684.3	1602.4	1520.5	1602.4	1684.3	1704.7	2053.6	2518.7	2751.2	3173.0	4016.4
127.5°	1786.0	1703.3	1620.6	1703.3	1786.0	1806.6	2108.9	2512.1	2713.6	3075.7	3800.0
130°	1852.3	1763.3	1674.3	1763.3	1852.3	1874.6	2149.5	2516.0	2699.3	3021.6	3666.5
132.5°	1907.8	1818.8	1729.8	1818.8	1907.8	1930.1	2182.3	2518.6	2686.7	2975.4	3552.6
135°	1974.2	1893.1	1812.0	1893.1	1974.2	1994.5	2218.1	2516.3	2665.3	2907.0	3390.4
137.5°	2056.7	1976.4	1896.1	1976.4	2056.7	2076.8	2271.7	2531.7	2661.7	2866.0	3274.7
140°	2113.8	2039.8	1965.9	2039.8	2113.8	2132.3	2304.5	2534.3	2649.2	2825.6	3178.7
142.5°	2156.3	2087.9	2019.6	2087.9	2156.3	2173.4	2332.0	2543.4	2649.2	2804.2	3114.3
145°	2221.1	2161.5	2101.9	2161.5	2221.1	2236.0	2367.7	2543.4	2631.3	2758.1	3011.7
147.5°	2300.1	2242.1	2184.1	2242.1	2300.1	2314.7	2420.2	2560.9	2631.3	2731.1	2930.6
150°	2342.8	2290.3	2237.8	2290.3	2342.8	2355.9	2447.6	2570.1	2631.3	2715.6	2884.2
152.5°	2372.7	2333.0	2293.3	2333.0	2372.7	2382.6	2465.5	2576.0	2631.3	2703.3	2847.2
155°	2434.4	2405.0	2375.6	2405.0	2434.4	2441.7	2504.9	2589.1	2631.3	2688.6	2803.1
157.5°	2493.5	2465.0	2436.4	2465.0	2493.5	2500.7	2544.2	2602.2	2631.3	2675.8	2764.8
160°	2522.0	2499.7	2477.5	2499.7	2522.0	2527.6	2562.2	2608.3	2631.3	2669.4	2745.7
162.5°	2551.9	2535.3	2518.6	2535.3	2551.9	2556.2	2581.2	2614.6	2631.3	2663.5	2727.9
165°	2593.5	2578.4	2563.3	2578.4	2593.5	2597.4	2608.6	2623.7	2631.3	2654.3	2700.4
167.5°	2618.8	2611.7	2604.5	2611.7	2618.8	2620.6	2630.1	2642.9	2649.2	2664.3	2694.5
170°	2645.6	2638.5	2631.3	2638.5	2645.6	2647.5	2648.0	2648.8	2649.2	2664.3	2694.5
172.5°	2648.8	2647.2	2645.6	2647.2	2648.8	2649.2	2649.2	2649.2	2649.2	2661.1	2685.0
175°	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2660.0	2652.8	2649.2	2656.7	2671.8
177.5°	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2661.1	2655.6	2652.8	2658.7	2670.7
180°	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3



TEST NUMBER: P936109

CATALOG NUMBER: SQ4-FA-150U-125D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9	5129.9
2.5°	4950.3	4935.7	4955.1	4901.8	4955.1	4935.7	4950.3	4984.3	4955.1	4974.5	4994.0
5°	4343.7	4319.4	4241.7	4178.7	4241.7	4319.4	4343.7	4445.6	4494.1	4581.4	4697.9
7.5°	3882.6	3863.2	3843.8	3805.0	3843.8	3863.2	3882.6	3911.7	3960.2	4037.9	4125.2
10°	3780.7	3785.5	3814.6	3809.8	3814.6	3785.5	3780.7	3770.9	3756.4	3770.9	3824.4
12.5°	4042.7	4086.4	4246.6	4236.9	4246.6	4086.4	4042.7	3848.6	3717.6	3693.3	3703.0
15°	4343.7	4358.2	4392.2	4397.0	4392.2	4358.2	4343.7	4266.0	3872.9	3703.0	3649.6
17.5°	4372.7	4377.6	4401.9	4401.9	4401.9	4377.6	4372.7	4338.8	4207.7	3979.6	3678.8
20°	4348.5	4358.2	4406.8	4416.4	4406.8	4358.2	4348.5	4304.8	4232.0	4149.5	3921.4
22.5°	4338.8	4358.2	4397.0	4392.2	4397.0	4358.2	4338.8	4270.8	4207.7	4149.5	4057.3
25°	4290.2	4290.2	4295.1	4300.0	4295.1	4290.2	4290.2	4236.9	4110.7	4096.1	4042.7
27.5°	4188.3	4198.1	4227.1	4222.3	4227.1	4198.1	4188.3	4168.9	4033.1	4018.5	3979.6
30°	4096.1	4086.4	4062.1	4042.7	4062.1	4086.4	4096.1	4067.0	3931.1	3892.3	3902.0
32.5°	3940.8	3916.5	3892.3	3877.7	3892.3	3916.5	3940.8	3931.1	3829.2	3775.8	3785.5
35°	3756.4	3761.3	3756.4	3741.9	3756.4	3761.3	3756.4	3766.1	3703.0	3654.5	3649.6
37.5°	3625.3	3635.1	3630.2	3610.8	3630.2	3635.1	3625.3	3615.7	3528.3	3513.8	3523.4
40°	3489.5	3494.4	3489.5	3474.9	3489.5	3494.4	3489.5	3470.1	3348.8	3353.6	3387.6
42.5°	3358.4	3353.6	3339.0	3329.3	3339.0	3353.6	3358.4	3329.3	3174.0	3159.5	3222.6
45°	3208.0	3212.8	3183.7	3169.1	3183.7	3212.8	3208.0	3188.5	3028.4	2989.6	3033.3
47.5°	3057.6	3057.6	3033.3	3018.7	3033.3	3057.6	3057.6	3033.3	2863.4	2824.6	2848.9
50°	2897.3	2892.6	2858.5	2853.7	2858.5	2892.6	2897.3	2882.8	2703.3	2669.2	2669.2
52.5°	2712.9	2712.9	2717.8	2727.5	2717.8	2712.9	2712.9	2717.8	2557.7	2523.6	2514.0
55°	2552.8	2557.7	2591.6	2601.4	2591.6	2557.7	2552.8	2552.8	2407.2	2373.3	2353.8
57.5°	2387.8	2387.8	2412.1	2412.1	2412.1	2387.8	2387.8	2378.0	2237.3	2208.3	2198.5
60°	2198.5	2208.3	2227.7	2222.8	2227.7	2208.3	2198.5	2188.8	2067.4	2048.0	2014.1
62.5°	1999.6	2009.2	2014.1	2004.3	2014.1	2009.2	1999.6	1970.4	1897.6	1883.0	1839.3
65°	1790.9	1800.5	1805.4	1795.7	1805.4	1800.5	1790.9	1776.2	1722.9	1698.6	1659.8
67.5°	1577.3	1572.4	1567.6	1587.0	1567.6	1572.4	1577.3	1557.9	1524.0	1504.5	1451.1
70°	1358.9	1358.9	1354.1	1363.7	1354.1	1358.9	1358.9	1344.3	1324.9	1310.4	1261.8
72.5°	1126.0	1121.1	1140.5	1126.0	1140.5	1121.1	1126.0	1121.1	1111.4	1096.8	1048.3
75°	897.9	907.5	897.9	912.4	897.9	907.5	897.9	902.7	897.9	888.1	854.2
77.5°	684.3	694.1	684.3	684.3	684.3	694.1	684.3	689.2	689.2	689.2	660.0
80°	485.4	480.5	480.5	475.6	480.5	480.5	485.4	485.4	490.1	480.5	470.7
82.5°	310.6	305.7	305.7	315.5	305.7	305.7	310.6	315.5	305.7	305.7	305.7
85°	169.9	174.8	165.0	165.0	165.0	174.8	169.9	160.1	169.9	169.9	165.0
87.5°	63.1	58.2	58.2	58.2	58.2	58.2	63.1	68.0	68.0	68.0	72.8
90°	68.0	68.0	68.0	68.0	68.0	68.0	68.0	90.6	120.8	135.9	116.8
92.5°	339.9	326.4	272.3	218.3	272.3	326.4	339.9	481.7	670.9	765.6	672.2
95°	1153.8	1112.9	949.0	785.3	949.0	1112.9	1153.8	1515.2	1996.9	2237.8	1890.0
97.5°	2663.5	2585.6	2273.9	1962.3	2273.9	2585.6	2663.5	2891.9	3196.4	3348.6	2768.7
100°	3740.4	3647.5	3276.3	2905.0	3276.3	3647.5	3740.4	3723.6	3701.3	3690.3	3046.7
102.5°	4659.8	4580.3	4262.3	3944.3	4262.3	4580.3	4659.8	4368.8	3980.9	3786.9	3134.2
105°	5733.0	5690.3	5519.5	5348.5	5519.5	5690.3	5733.0	5080.8	4211.0	3776.1	3144.1
107.5°	6291.1	6301.5	6342.9	6384.2	6342.9	6301.5	6291.1	5381.2	4168.1	3561.5	3004.1
110°	6434.3	6478.8	6656.9	6835.0	6656.9	6478.8	6434.3	5417.1	4060.8	3382.6	2880.1



TEST NUMBER: P936109

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6343.1	6411.4	6684.9	6958.4	6684.9	6411.4	6343.1	5302.0	3913.9	3219.8	2771.8
115°	6033.6	6128.4	6507.6	6886.8	6507.6	6128.4	6033.6	5030.7	3693.5	3024.9	2647.6
117.5°	5606.1	5711.2	6131.8	6552.3	6131.8	5711.2	5606.1	4700.9	3494.1	2890.7	2569.8
120°	5318.0	5420.2	5828.8	6237.5	5828.8	5420.2	5318.0	4491.0	3388.4	2837.0	2543.6
122.5°	5030.1	5130.9	5534.0	5937.0	5534.0	5130.9	5030.1	4285.4	3292.4	2795.9	2530.0
125°	4649.0	4741.9	5113.2	5484.5	5113.2	4741.9	4649.0	4016.4	3173.0	2751.2	2518.7
127.5°	4343.2	4421.5	4734.8	5048.0	4734.8	4421.5	4343.2	3800.0	3075.7	2713.6	2512.1
130°	4150.0	4222.4	4511.7	4801.1	4511.7	4222.4	4150.0	3666.5	3021.6	2699.3	2516.0
132.5°	3985.5	4050.3	4309.4	4568.5	4309.4	4050.3	3985.5	3552.6	2975.4	2686.7	2518.6
135°	3752.9	3808.7	4032.1	4255.5	4032.1	3808.7	3752.9	3390.4	2907.0	2665.3	2516.3
137.5°	3581.2	3626.9	3809.8	3992.5	3809.8	3626.9	3581.2	3274.7	2866.0	2661.7	2531.7
140°	3443.4	3486.1	3657.1	3828.0	3657.1	3486.1	3443.4	3178.7	2825.6	2649.2	2534.3
142.5°	3346.9	3383.7	3530.7	3677.7	3530.7	3383.7	3346.9	3114.3	2804.2	2649.2	2543.4
145°	3201.9	3229.8	3341.1	3452.4	3341.1	3229.8	3201.9	3011.7	2758.1	2631.3	2543.4
147.5°	3080.3	3103.4	3195.6	3287.8	3195.6	3103.4	3080.3	2930.6	2731.1	2631.3	2560.9
150°	3010.5	3029.2	3103.9	3178.7	3103.9	3029.2	3010.5	2884.2	2715.6	2631.3	2570.1
152.5°	2955.1	2969.2	3025.6	3082.0	3025.6	2969.2	2955.1	2847.2	2703.3	2631.3	2576.0
155°	2888.9	2898.3	2935.6	2973.0	2935.6	2898.3	2888.9	2803.1	2688.6	2631.3	2589.1
157.5°	2831.7	2838.3	2864.5	2890.7	2864.5	2838.3	2831.7	2764.8	2675.8	2631.3	2602.2
160°	2803.0	2806.8	2821.9	2837.0	2821.9	2806.8	2803.0	2745.7	2669.4	2631.3	2608.3
162.5°	2776.2	2779.8	2794.1	2808.4	2794.1	2779.8	2776.2	2727.9	2663.5	2631.3	2614.6
165°	2735.0	2738.8	2753.9	2769.1	2753.9	2738.8	2735.0	2700.4	2654.3	2631.3	2623.7
167.5°	2717.1	2718.8	2725.1	2731.5	2725.1	2718.8	2717.1	2694.5	2664.3	2649.2	2642.9
170°	2717.1	2717.1	2717.1	2717.1	2717.1	2717.1	2717.1	2694.5	2664.3	2649.2	2648.8
172.5°	2702.9	2701.5	2695.9	2690.4	2695.9	2701.5	2702.9	2685.0	2661.1	2649.2	2649.2
175°	2683.2	2683.2	2683.2	2683.2	2683.2	2683.2	2683.2	2671.8	2656.7	2649.2	2652.8
177.5°	2679.6	2677.9	2671.6	2665.3	2671.6	2677.9	2679.6	2670.7	2658.7	2652.8	2655.6
180°	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3	2665.3



TEST NUMBER: P936109

CATALOG NUMBER: SQ4-FA-150U-125D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5129.9	5129.9	5129.9	5129.9	5129.9
2.5°	5066.8	5091.1	5105.6	5125.0	5173.6
5°	4872.6	4964.9	4994.0	5066.8	5154.1
7.5°	4445.6	4727.0	4804.7	4979.4	5115.3
10°	4033.1	4314.5	4450.4	4863.0	5066.8
12.5°	3824.4	3989.4	4081.5	4659.1	4998.8
15°	3693.3	3809.8	3877.7	4387.3	4921.2
17.5°	3591.4	3673.9	3722.5	4120.4	4814.4
20°	3528.3	3567.1	3610.8	3926.3	4693.1
22.5°	3484.6	3460.3	3494.4	3790.3	4528.1
25°	3455.5	3363.3	3402.1	3683.6	4333.9
27.5°	3479.7	3275.9	3290.5	3586.5	4130.1
30°	3484.6	3169.1	3174.0	3484.6	3902.0
32.5°	3450.7	3057.6	3062.4	3358.4	3644.8
35°	3368.2	2926.5	2921.6	3212.8	3295.3
37.5°	3256.5	2785.8	2785.8	3052.7	2912.0
40°	3120.7	2645.0	2659.6	2844.0	2572.2
42.5°	2955.6	2494.6	2514.0	2567.3	2319.8
45°	2776.0	2349.0	2363.5	2169.4	2125.7
47.5°	2577.1	2198.5	2203.4	1800.5	2062.7
50°	2339.2	2043.2	2023.8	1543.4	2057.8
52.5°	2130.5	1873.4	1815.1	1397.8	1868.5
55°	1926.7	1693.7	1567.6	1286.1	1732.6
57.5°	1747.2	1460.9	1339.5	1155.0	1703.5
60°	1582.2	1232.8	1140.5	1014.3	1562.8
62.5°	1446.2	1062.9	1043.5	917.3	1417.2
65°	1300.6	946.3	941.6	834.8	1203.6
67.5°	1159.9	868.7	863.8	757.1	917.3
70°	1009.4	786.2	776.6	674.6	679.4
72.5°	854.2	694.1	684.3	606.7	563.0
75°	698.8	587.3	582.4	529.0	456.2
77.5°	548.5	466.0	475.6	427.0	334.9
80°	393.1	339.8	349.4	305.7	252.4
82.5°	262.0	223.2	233.0	194.2	169.9
85°	145.6	126.2	131.1	101.9	77.6
87.5°	68.0	58.2	58.2	38.8	24.3
90°	78.7	50.1	46.6	32.2	17.9
92.5°	485.4	345.2	314.8	193.1	71.5
95°	1194.3	672.5	616.9	394.3	171.7
97.5°	1608.8	738.8	689.7	493.3	296.9
100°	1759.6	794.2	749.7	571.6	393.5
102.5°	1828.7	849.7	808.1	642.0	475.8
105°	1880.1	932.0	896.8	756.1	615.4
107.5°	1889.5	1053.6	1020.8	889.7	758.5
110°	1875.3	1121.6	1091.9	973.5	855.0



TEST NUMBER: P936109

CATALOG NUMBER: SQ4-FA-150U-125D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1875.9	1203.9	1175.7	1062.8	949.9
115°	1893.2	1327.3	1301.3	1197.1	1093.0
117.5°	1928.3	1447.1	1423.5	1328.8	1234.3
120°	1956.9	1516.9	1494.6	1405.6	1316.5
122.5°	1998.1	1599.2	1576.7	1486.9	1397.0
125°	2053.6	1704.7	1684.3	1602.4	1520.5
127.5°	2108.9	1806.6	1786.0	1703.3	1620.6
130°	2149.5	1874.6	1852.3	1763.3	1674.3
132.5°	2182.3	1930.1	1907.8	1818.8	1729.8
135°	2218.1	1994.5	1974.2	1893.1	1812.0
137.5°	2271.7	2076.8	2056.7	1976.4	1896.1
140°	2304.5	2132.3	2113.8	2039.8	1965.9
142.5°	2332.0	2173.4	2156.3	2087.9	2019.6
145°	2367.7	2236.0	2221.1	2161.5	2101.9
147.5°	2420.2	2314.7	2300.1	2242.1	2184.1
150°	2447.6	2355.9	2342.8	2290.3	2237.8
152.5°	2465.5	2382.6	2372.7	2333.0	2293.3
155°	2504.9	2441.7	2434.4	2405.0	2375.6
157.5°	2544.2	2500.7	2493.5	2465.0	2436.4
160°	2562.2	2527.6	2522.0	2499.7	2477.5
162.5°	2581.2	2556.2	2551.9	2535.3	2518.6
165°	2608.6	2597.4	2593.5	2578.4	2563.3
167.5°	2630.1	2620.6	2618.8	2611.7	2604.5
170°	2648.0	2647.5	2645.6	2638.5	2631.3
172.5°	2649.2	2649.2	2648.8	2647.2	2645.6
175°	2660.0	2665.3	2665.3	2665.3	2665.3
177.5°	2661.1	2665.3	2665.3	2665.3	2665.3
180°	2665.3	2665.3	2665.3	2665.3	2665.3



TEST NUMBER: P936109
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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	13.79	14.59	14.80	15.61	16.97	16.64	17.44	17.65	18.46	19.82
	3H	14.26	14.98	15.28	16.01	17.39	17.98	18.71	19.01	19.74	21.12
	4H	14.45	15.13	15.48	16.16	17.55	18.43	19.11	19.46	20.15	21.54
	6H	14.56	15.19	15.61	16.23	17.63	18.72	19.35	19.76	20.38	21.78
	8H	14.56	15.16	15.61	16.21	17.61	18.79	19.39	19.84	20.45	21.84
	12H	14.53	15.10	15.59	16.15	17.57	18.83	19.40	19.89	20.45	21.87
4H	2H	14.82	15.50	15.86	16.53	17.92	17.04	17.72	18.08	18.75	20.14
	3H	15.84	16.41	16.89	17.47	18.87	18.54	19.11	19.59	20.18	21.58
	4H	16.11	16.63	17.17	17.69	19.11	19.08	19.60	20.13	20.65	22.07
	6H	16.23	16.68	17.30	17.76	19.18	19.44	19.89	20.51	20.97	22.39
	8H	16.24	16.66	17.30	17.72	19.16	19.55	19.97	20.62	21.04	22.47
	12H	16.20	16.58	17.29	17.66	19.10	19.61	19.99	20.69	21.07	22.51
8H	4H	16.56	16.98	17.63	18.05	19.49	19.19	19.61	20.26	20.68	22.12
	6H	16.82	17.17	17.91	18.28	19.71	19.63	19.98	20.72	21.09	22.52
	8H	16.87	17.17	17.96	18.26	19.71	19.79	20.09	20.88	21.19	22.64
	12H	16.85	17.11	17.95	18.20	19.69	19.89	20.16	20.99	21.24	22.74
12H	4H	16.57	16.95	17.65	18.03	19.47	19.16	19.53	20.24	20.62	22.06
	6H	16.88	17.19	17.98	18.28	19.73	19.63	19.93	20.73	21.03	22.48
	8H	16.95	17.22	18.05	18.30	19.80	19.79	20.06	20.89	21.15	22.64