

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: P936156

Luminaire Tested: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936156
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-93050-1D-UNV-STD-W-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

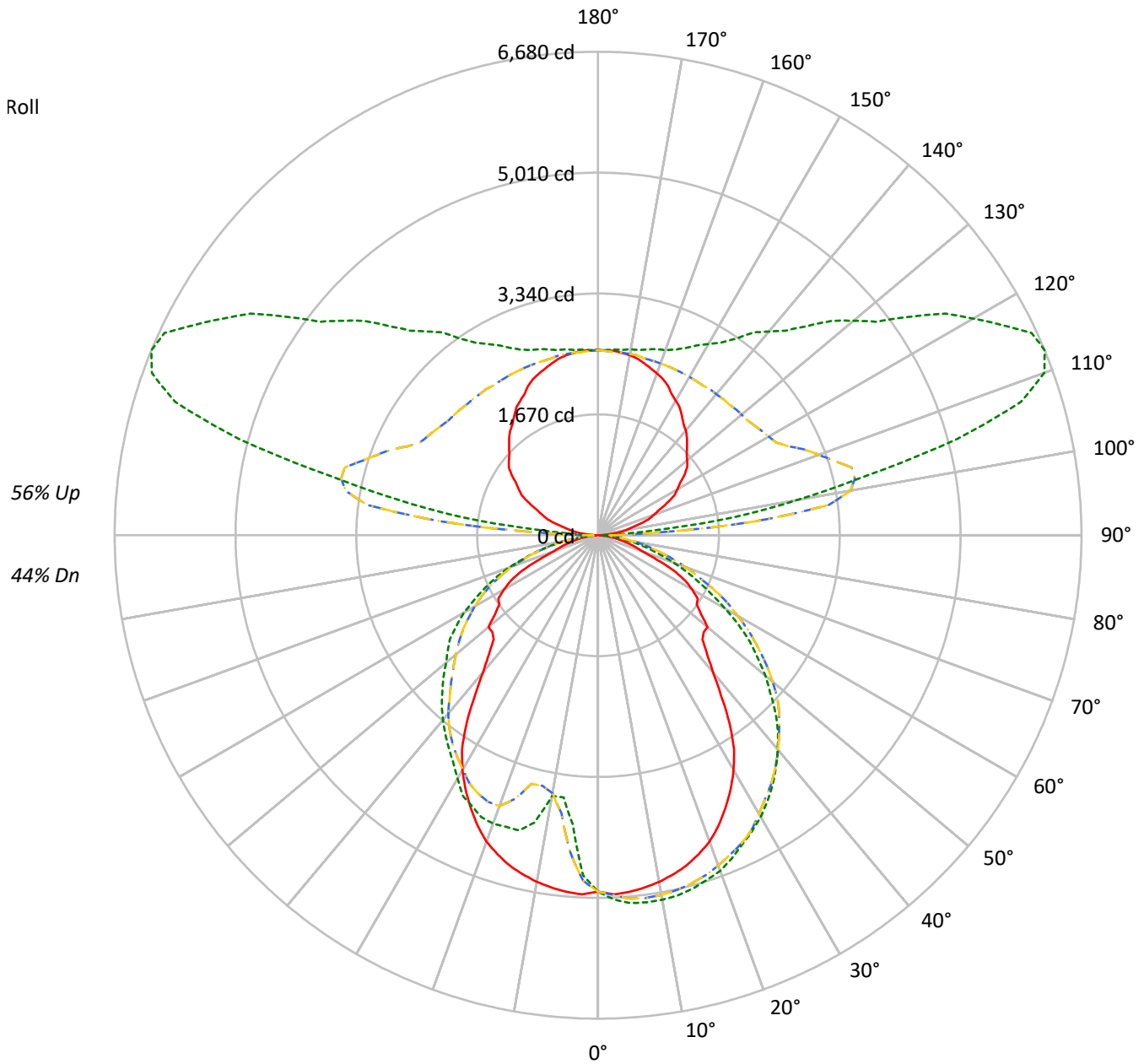
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29363.5 lumens
Efficiency: N/A
Efficacy: 117.6 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

TEST NUMBER: P936156
CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-5000K

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	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°	15232	15232	15232	15232
5°	15351	15375	15351	12090
10°	15254	15145	15254	10828
15°	15093	14817	15093	12373
20°	14784	14428	14784	12399
25°	14143	13862	14143	12136
30°	13314	13391	13314	11559
35°	11875	12796	11875	10925
40°	9901	12095	9901	10446
45°	8852	11274	8852	9895
50°	9412	10295	9412	9342
55°	8863	9242	8863	9023
60°	9148	7849	9148	8264
65°	8308	6488	8308	7252
70°	5766	5171	5766	6079
75°	5075	3822	5075	4577
80°	4121	2527	4121	2752
85°	2414	1339	2414	1138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13558 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.5	1.5
10°-20°	1262.1	4.3
20°-30°	1950.9	6.6
30°-40°	2329.0	7.9
40°-50°	2342.7	8.0
50°-60°	2038.4	6.9
60°-70°	1445.3	4.9
70°-80°	764.6	2.6
80°-90°	200.2	0.7
90°-100°	1247.1	4.2
100°-110°	3278.8	11.2
110°-120°	3399.8	11.6
120°-130°	2727.0	9.3
130°-140°	2139.7	7.3
140°-150°	1642.3	5.6
150°-160°	1182.8	4.0
160°-170°	723.7	2.5
170°-180°	244.5	0.8
0°-30°	3657.5	12.5
0°-40°	5986.5	20.4
0°-60°	10367.6	35.3
0°-90°	12777.7	43.5
90°-120°	7925.7	27.0
90°-150°	14434.9	49.2
90°-180°	16586.0	56.5
0°-180°	29363.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4924	4924	4924	4924	4924	
5°	4948	5101	4948	4011	4948	469
15°	4724	5055	4724	4221	4724	1329
25°	4160	4715	4160	4128	4160	1910
35°	3163	4207	3163	3592	3163	1957
45°	2040	3466	2040	3042	2040	1635
55°	1663	2558	1663	2497	1663	1528
65°	1155	1542	1155	1724	1155	1104
75°	438	731	438	876	438	460
85°	74	186	74	158	74	101
90°	17	65	17	65	17	17
95°	165	754	165	754	165	183
105°	591	5134	591	5134	591	626
115°	1049	6611	1049	6611	1049	1036
125°	1460	5265	1460	5265	1460	1296
135°	1739	4085	1739	4085	1739	1346
145°	2018	3314	2018	3314	2018	1264
155°	2280	2854	2280	2854	2280	1048
165°	2461	2658	2461	2658	2461	694
175°	2558	2576	2558	2576	2558	243
180°	2558	2558	2558	2558	2558	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4
2.5°	4966.3	4966.3	4994.2	5003.5	5003.5	4989.5	4975.6	4989.5	5031.4	5045.5	5040.8
5°	4947.6	4984.9	5036.1	5045.5	5054.8	5050.1	5040.8	5050.1	5096.7	5106.1	5110.6
7.5°	4910.3	4980.2	5045.5	5059.4	5073.4	5059.4	5054.8	5064.1	5110.6	5120.0	5120.0
10°	4863.8	4961.6	5036.1	5045.5	5059.4	5045.5	5045.5	5064.1	5110.6	5120.0	5124.7
12.5°	4798.5	4933.6	5003.5	5012.8	5031.4	5026.8	5022.2	5040.8	5087.3	5096.7	5096.7
15°	4724.0	4882.4	4947.6	4956.9	4989.5	4980.2	4980.2	4998.9	5050.1	5064.1	5059.4
17.5°	4621.5	4817.2	4891.7	4905.7	4928.9	4924.4	4928.9	4947.6	4994.2	5003.5	5008.1
20°	4505.1	4728.6	4817.2	4831.1	4854.4	4854.4	4854.4	4877.7	4924.4	4943.0	4943.0
22.5°	4346.7	4635.5	4728.6	4738.0	4766.0	4766.0	4775.2	4807.8	4849.7	4854.4	4854.4
25°	4160.3	4533.0	4612.2	4640.1	4668.1	4682.1	4696.0	4714.7	4728.6	4724.0	4728.6
27.5°	3964.6	4402.5	4505.1	4523.7	4560.9	4574.9	4593.5	4598.2	4602.9	4616.8	4607.6
30°	3745.7	4220.8	4374.6	4393.2	4453.8	4463.1	4444.5	4453.8	4477.1	4486.4	4495.7
32.5°	3498.7	3950.7	4239.5	4281.4	4337.3	4309.4	4304.7	4318.7	4355.9	4355.9	4365.3
35°	3163.3	3741.0	4113.7	4150.9	4192.9	4160.3	4178.9	4183.6	4206.9	4220.8	4216.2
37.5°	2795.3	3559.3	3983.3	4011.2	4043.8	4001.9	4029.9	4043.8	4062.5	4053.1	4053.1
40°	2469.2	3275.1	3829.5	3848.2	3876.1	3843.5	3871.5	3880.7	3890.1	3880.7	3876.1
42.5°	2226.9	2963.0	3666.5	3689.8	3671.1	3694.4	3703.7	3722.4	3708.4	3689.8	3689.8
45°	2040.5	2879.1	3489.4	3517.3	3489.4	3526.7	3540.7	3540.7	3498.7	3489.4	3484.8
47.5°	1980.0	2711.4	3312.4	3312.4	3298.4	3345.0	3368.3	3335.6	3293.8	3279.8	3279.8
50°	1975.3	2525.0	3070.1	3051.5	3116.7	3172.7	3149.3	3116.7	3084.1	3032.9	3032.9
52.5°	1793.6	2296.8	2757.9	2827.9	2930.4	2963.0	2925.7	2893.1	2837.1	2813.9	2795.3
55°	1663.1	2059.2	2473.8	2613.6	2720.7	2762.6	2692.8	2660.1	2576.3	2562.3	2553.0
57.5°	1635.2	1714.4	2212.9	2390.0	2520.4	2515.8	2473.8	2413.3	2343.3	2329.4	2324.7
60°	1500.2	1239.3	1933.4	2143.0	2278.2	2264.1	2226.9	2171.0	2105.7	2096.5	2087.1
62.5°	1360.4	899.2	1616.6	1854.2	2045.2	2040.5	2007.9	1924.0	1877.5	1854.2	1835.6
65°	1155.4	754.7	1150.7	1542.1	1816.9	1826.2	1756.4	1695.8	1644.5	1616.6	1611.9
67.5°	880.5	614.9	778.0	1285.8	1598.0	1588.6	1500.2	1472.2	1406.9	1393.0	1365.0
70°	652.2	409.9	540.4	1043.6	1383.6	1360.4	1290.5	1257.9	1197.3	1164.6	1146.0
72.5°	540.4	330.7	396.0	810.6	1164.6	1136.7	1076.2	1038.9	987.6	959.7	941.1
75°	437.9	349.4	302.8	601.0	945.7	927.1	871.2	833.9	792.0	754.7	759.4
77.5°	321.5	326.1	242.3	442.6	750.0	722.1	689.5	642.9	624.3	587.0	587.0
80°	242.3	256.2	181.7	302.8	540.4	540.4	512.4	479.9	447.3	428.6	428.6
82.5°	163.1	163.1	135.1	191.0	368.1	354.0	335.4	326.1	307.5	298.2	298.2
85°	74.5	93.1	83.9	116.5	200.3	209.6	209.6	200.3	195.7	186.4	191.0
87.5°	23.3	41.9	51.2	65.2	102.5	107.2	111.8	111.8	111.8	116.5	116.5
90°	17.2	30.9	44.7	48.1	75.5	112.1	130.5	116.0	87.0	65.2	65.2
92.5°	68.6	185.4	302.2	331.4	465.9	645.2	734.9	644.0	462.4	326.2	313.3
95°	164.8	378.5	592.2	645.6	1146.5	1814.3	2148.1	1916.9	1454.5	1107.6	1068.3
97.5°	285.0	473.5	662.0	709.2	1544.3	2657.7	3214.4	3068.3	2776.0	2556.8	2482.0
100°	377.7	548.7	719.7	762.4	1689.1	2924.6	3542.4	3553.0	3574.4	3590.5	3501.4
102.5°	456.7	616.2	775.7	815.6	1755.5	3008.6	3635.2	3821.4	4193.8	4473.1	4396.8
105°	590.7	725.8	860.9	894.7	1804.7	3018.1	3624.8	4042.3	4877.2	5503.3	5462.3
107.5°	728.1	854.0	979.9	1011.4	1813.8	2883.8	3418.8	4001.1	5165.6	6039.1	6049.0
110°	820.8	934.5	1048.2	1076.6	1800.2	2764.7	3247.1	3898.1	5200.0	6176.5	6219.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	911.8	1020.2	1128.6	1155.7	1800.7	2660.8	3090.8	3757.0	5089.5	6088.9	6154.5
115°	1049.2	1149.1	1249.2	1274.1	1817.3	2541.6	2903.7	3545.5	4829.1	5791.8	5882.9
117.5°	1184.8	1275.6	1366.4	1389.1	1851.0	2466.9	2774.8	3354.1	4512.6	5381.5	5482.4
120°	1263.8	1349.3	1434.7	1456.1	1878.5	2441.7	2723.4	3252.6	4311.1	5105.0	5203.1
122.5°	1341.0	1427.3	1513.6	1535.1	1918.1	2428.6	2683.9	3160.4	4113.7	4828.5	4925.3
125°	1459.6	1538.1	1616.8	1636.4	1971.3	2417.8	2640.9	3045.8	3855.5	4462.8	4551.9
127.5°	1555.7	1635.1	1714.4	1734.3	2024.4	2411.4	2604.9	2952.5	3647.7	4169.2	4244.3
130°	1607.3	1692.7	1778.1	1799.5	2063.3	2415.2	2591.1	2900.6	3519.5	3983.7	4053.2
132.5°	1660.5	1745.9	1831.4	1852.7	2094.8	2417.7	2579.1	2856.1	3410.2	3825.8	3888.0
135°	1739.4	1817.2	1895.1	1914.6	2129.2	2415.5	2558.5	2790.5	3254.5	3602.5	3656.1
137.5°	1820.2	1897.2	1974.3	1993.6	2180.7	2430.2	2555.0	2751.2	3143.5	3437.7	3481.6
140°	1887.1	1958.1	2029.1	2046.8	2212.2	2432.7	2543.0	2712.4	3051.3	3305.4	3346.5
142.5°	1938.6	2004.2	2069.9	2086.3	2238.5	2441.5	2543.0	2691.9	2989.5	3212.8	3248.1
145°	2017.6	2074.9	2132.1	2146.4	2272.9	2441.5	2525.9	2647.6	2891.0	3073.6	3100.3
147.5°	2096.6	2152.3	2208.0	2221.9	2323.2	2458.3	2525.9	2621.7	2813.2	2956.9	2979.0
150°	2148.1	2198.5	2248.9	2261.5	2349.6	2467.1	2525.9	2606.8	2768.6	2889.9	2907.8
152.5°	2201.4	2239.5	2277.6	2287.2	2366.7	2472.8	2525.9	2595.0	2733.1	2836.7	2850.3
155°	2280.4	2308.6	2336.8	2343.9	2404.5	2485.4	2525.9	2580.8	2690.8	2773.2	2782.2
157.5°	2338.7	2366.2	2393.6	2400.5	2442.3	2498.0	2525.9	2568.6	2654.1	2718.2	2724.5
160°	2378.2	2399.6	2421.0	2426.3	2459.5	2503.7	2525.9	2562.5	2635.7	2690.7	2694.4
162.5°	2417.7	2433.7	2449.7	2453.7	2477.8	2509.8	2525.9	2556.8	2618.6	2665.0	2668.4
165°	2460.6	2475.1	2489.6	2493.3	2504.1	2518.6	2525.9	2548.0	2592.2	2625.4	2629.1
167.5°	2500.2	2507.1	2513.8	2515.6	2524.8	2537.0	2543.0	2557.5	2586.5	2608.3	2609.8
170°	2525.9	2532.7	2539.6	2541.4	2541.9	2542.7	2543.0	2557.5	2586.5	2608.3	2608.3
172.5°	2539.6	2541.1	2542.7	2543.0	2543.0	2543.0	2543.0	2554.5	2577.4	2594.6	2593.2
175°	2558.5	2558.5	2558.5	2558.5	2553.4	2546.5	2543.0	2550.3	2564.8	2575.7	2575.7
177.5°	2558.5	2558.5	2558.5	2558.5	2554.5	2549.2	2546.5	2552.2	2563.7	2572.2	2570.6
180°	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4
2.5°	5050.1	5036.1	5050.1	5040.8	5045.5	5031.4	4989.5	4975.6	4989.5	5003.5	5003.5
5°	5110.6	5101.4	5110.6	5110.6	5106.1	5096.7	5050.1	5040.8	5050.1	5054.8	5045.5
7.5°	5129.3	5115.3	5129.3	5120.0	5120.0	5110.6	5064.1	5054.8	5059.4	5073.4	5059.4
10°	5129.3	5115.3	5129.3	5124.7	5120.0	5110.6	5064.1	5045.5	5045.5	5059.4	5045.5
12.5°	5106.1	5096.7	5106.1	5096.7	5096.7	5087.3	5040.8	5022.2	5026.8	5031.4	5012.8
15°	5068.7	5054.8	5068.7	5059.4	5064.1	5050.1	4998.9	4980.2	4980.2	4989.5	4956.9
17.5°	5012.8	4994.2	5012.8	5008.1	5003.5	4994.2	4947.6	4928.9	4924.4	4928.9	4905.7
20°	4947.6	4933.6	4947.6	4943.0	4943.0	4924.4	4877.7	4854.4	4854.4	4854.4	4831.1
22.5°	4845.2	4831.1	4845.2	4854.4	4854.4	4849.7	4807.8	4775.2	4766.0	4766.0	4738.0
25°	4728.6	4714.7	4728.6	4728.6	4724.0	4728.6	4714.7	4696.0	4682.1	4668.1	4640.1
27.5°	4616.8	4607.6	4616.8	4607.6	4616.8	4602.9	4598.2	4593.5	4574.9	4560.9	4523.7
30°	4505.1	4495.7	4505.1	4495.7	4486.4	4477.1	4453.8	4444.5	4463.1	4453.8	4393.2
32.5°	4365.3	4355.9	4365.3	4365.3	4355.9	4355.9	4318.7	4304.7	4309.4	4337.3	4281.4
35°	4220.8	4206.9	4220.8	4216.2	4220.8	4206.9	4183.6	4178.9	4160.3	4192.9	4150.9
37.5°	4053.1	4039.1	4053.1	4053.1	4053.1	4062.5	4043.8	4029.9	4001.9	4043.8	4011.2
40°	3880.7	3862.1	3880.7	3876.1	3880.7	3890.1	3880.7	3871.5	3843.5	3876.1	3848.2
42.5°	3685.1	3680.4	3685.1	3689.8	3689.8	3708.4	3722.4	3703.7	3694.4	3671.1	3689.8
45°	3475.4	3466.1	3475.4	3484.8	3489.4	3498.7	3540.7	3540.7	3526.7	3489.4	3517.3
47.5°	3251.9	3228.5	3251.9	3279.8	3279.8	3293.8	3335.6	3368.3	3345.0	3298.4	3312.4
50°	3014.3	3018.8	3014.3	3032.9	3032.9	3084.1	3116.7	3149.3	3172.7	3116.7	3051.5
52.5°	2781.3	2776.7	2781.3	2795.3	2813.9	2837.1	2893.1	2925.7	2963.0	2930.4	2827.9
55°	2548.3	2557.7	2548.3	2553.0	2562.3	2576.3	2660.1	2692.8	2762.6	2720.7	2613.6
57.5°	2315.4	2301.4	2315.4	2324.7	2329.4	2343.3	2413.3	2473.8	2515.8	2520.4	2390.0
60°	2045.2	2026.5	2045.2	2087.1	2096.5	2105.7	2171.0	2226.9	2264.1	2278.2	2143.0
62.5°	1807.6	1775.0	1807.6	1835.6	1854.2	1877.5	1924.0	2007.9	2040.5	2045.2	1854.2
65°	1556.0	1542.1	1556.0	1611.9	1616.6	1644.5	1695.8	1756.4	1826.2	1816.9	1542.1
67.5°	1327.7	1327.7	1327.7	1365.0	1393.0	1406.9	1472.2	1500.2	1588.6	1598.0	1285.8
70°	1118.1	1113.4	1118.1	1146.0	1164.6	1197.3	1257.9	1290.5	1360.4	1383.6	1043.6
72.5°	917.8	913.1	917.8	941.1	959.7	987.6	1038.9	1076.2	1136.7	1164.6	810.6
75°	740.8	731.4	740.8	759.4	754.7	792.0	833.9	871.2	927.1	945.7	601.0
77.5°	568.3	568.3	568.3	587.0	587.0	624.3	642.9	689.5	722.1	750.0	442.6
80°	424.0	419.3	424.0	428.6	428.6	447.3	479.9	512.4	540.4	540.4	302.8
82.5°	298.2	288.8	298.2	298.2	298.2	307.5	326.1	335.4	354.0	368.1	191.0
85°	186.4	186.4	186.4	191.0	186.4	195.7	200.3	209.6	209.6	200.3	116.5
87.5°	121.1	116.5	121.1	116.5	116.5	111.8	111.8	111.8	107.2	102.5	65.2
90°	65.2	65.2	65.2	65.2	65.2	87.0	116.0	130.5	112.1	75.5	48.1
92.5°	261.4	209.5	261.4	313.3	326.2	462.4	644.0	734.9	645.2	465.9	331.4
95°	911.0	753.8	911.0	1068.3	1107.6	1454.5	1916.9	2148.1	1814.3	1146.5	645.6
97.5°	2182.8	1883.7	2182.8	2482.0	2556.8	2776.0	3068.3	3214.4	2657.7	1544.3	709.2
100°	3145.0	2788.6	3145.0	3501.4	3590.5	3574.4	3553.0	3542.4	2924.6	1689.1	762.4
102.5°	4091.5	3786.2	4091.5	4396.8	4473.1	4193.8	3821.4	3635.2	3008.6	1755.5	815.6
105°	5298.3	5134.2	5298.3	5462.3	5503.3	4877.2	4042.3	3624.8	3018.1	1804.7	894.7
107.5°	6088.7	6128.4	6088.7	6049.0	6039.1	5165.6	4001.1	3418.8	2883.8	1813.8	1011.4
110°	6390.2	6561.2	6390.2	6219.2	6176.5	5200.0	3898.1	3247.1	2764.7	1800.2	1076.6



TEST NUMBER: P936156

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6417.1	6679.6	6417.1	6154.5	6088.9	5089.5	3757.0	3090.8	2660.8	1800.7	1155.7
115°	6246.8	6610.9	6246.8	5882.9	5791.8	4829.1	3545.5	2903.7	2541.6	1817.3	1274.1
117.5°	5886.1	6289.8	5886.1	5482.4	5381.5	4512.6	3354.1	2774.8	2466.9	1851.0	1389.1
120°	5595.3	5987.6	5595.3	5203.1	5105.0	4311.1	3252.6	2723.4	2441.7	1878.5	1456.1
122.5°	5312.3	5699.2	5312.3	4925.3	4828.5	4113.7	3160.4	2683.9	2428.6	1918.1	1535.1
125°	4908.3	5264.7	4908.3	4551.9	4462.8	3855.5	3045.8	2640.9	2417.8	1971.3	1636.4
127.5°	4545.1	4845.7	4545.1	4244.3	4169.2	3647.7	2952.5	2604.9	2411.4	2024.4	1734.3
130°	4331.0	4608.8	4331.0	4053.2	3983.7	3519.5	2900.6	2591.1	2415.2	2063.3	1799.5
132.5°	4136.7	4385.5	4136.7	3888.0	3825.8	3410.2	2856.1	2579.1	2417.7	2094.8	1852.7
135°	3870.6	4085.0	3870.6	3656.1	3602.5	3254.5	2790.5	2558.5	2415.5	2129.2	1914.6
137.5°	3657.1	3832.6	3657.1	3481.6	3437.7	3143.5	2751.2	2555.0	2430.2	2180.7	1993.6
140°	3510.6	3674.6	3510.6	3346.5	3305.4	3051.3	2712.4	2543.0	2432.7	2212.2	2046.8
142.5°	3389.2	3530.4	3389.2	3248.1	3212.8	2989.5	2691.9	2543.0	2441.5	2238.5	2086.3
145°	3207.3	3314.1	3207.3	3100.3	3073.6	2891.0	2647.6	2525.9	2441.5	2272.9	2146.4
147.5°	3067.6	3156.0	3067.6	2979.0	2956.9	2813.2	2621.7	2525.9	2458.3	2323.2	2221.9
150°	2979.6	3051.3	2979.6	2907.8	2889.9	2768.6	2606.8	2525.9	2467.1	2349.6	2261.5
152.5°	2904.4	2958.6	2904.4	2850.3	2836.7	2733.1	2595.0	2525.9	2472.8	2366.7	2287.2
155°	2818.0	2853.8	2818.0	2782.2	2773.2	2690.8	2580.8	2525.9	2485.4	2404.5	2343.9
157.5°	2749.7	2774.8	2749.7	2724.5	2718.2	2654.1	2568.6	2525.9	2498.0	2442.3	2400.5
160°	2708.9	2723.4	2708.9	2694.4	2690.7	2635.7	2562.5	2525.9	2503.7	2459.5	2426.3
162.5°	2682.1	2695.9	2682.1	2668.4	2665.0	2618.6	2556.8	2525.9	2509.8	2477.8	2453.7
165°	2643.6	2658.1	2643.6	2629.1	2625.4	2592.2	2548.0	2525.9	2518.6	2504.1	2493.3
167.5°	2615.9	2622.0	2615.9	2609.8	2608.3	2586.5	2557.5	2543.0	2537.0	2524.8	2515.6
170°	2608.3	2608.3	2608.3	2608.3	2608.3	2586.5	2557.5	2543.0	2542.7	2541.9	2541.4
172.5°	2587.9	2582.6	2587.9	2593.2	2594.6	2577.4	2554.5	2543.0	2543.0	2543.0	2543.0
175°	2575.7	2575.7	2575.7	2575.7	2575.7	2564.8	2550.3	2543.0	2546.5	2553.4	2558.5
177.5°	2564.6	2558.5	2564.6	2570.6	2572.2	2563.7	2552.2	2546.5	2549.2	2554.5	2558.5
180°	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5



TEST NUMBER: P936156

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4
2.5°	4994.2	4966.3	4966.3	4919.7	4901.0	4887.1	4863.8	4793.9	4775.2	4756.6	4784.6
5°	5036.1	4984.9	4947.6	4863.8	4793.9	4766.0	4677.4	4509.6	4397.9	4314.0	4267.5
7.5°	5045.5	4980.2	4910.3	4779.9	4612.2	4537.6	4267.5	3959.9	3876.1	3801.6	3754.9
10°	5036.1	4961.6	4863.8	4668.1	4272.1	4141.6	3871.5	3671.1	3619.8	3605.9	3619.8
12.5°	5003.5	4933.6	4798.5	4472.4	3918.0	3829.5	3671.1	3554.6	3545.3	3568.6	3694.4
15°	4947.6	4882.4	4724.0	4211.5	3722.4	3657.1	3545.3	3503.4	3554.6	3717.7	4095.0
17.5°	4891.7	4817.2	4621.5	3955.3	3573.3	3526.7	3447.5	3531.4	3820.2	4039.1	4165.0
20°	4817.2	4728.6	4505.1	3769.0	3466.1	3424.2	3386.9	3764.3	3983.3	4062.5	4132.3
22.5°	4728.6	4635.5	4346.7	3638.5	3354.4	3321.7	3345.0	3894.7	3983.3	4039.1	4099.7
25°	4612.2	4533.0	4160.3	3536.0	3265.8	3228.5	3317.0	3880.7	3932.0	3946.0	4067.1
27.5°	4505.1	4402.5	3964.6	3442.8	3158.6	3144.7	3340.3	3820.2	3857.4	3871.5	4001.9
30°	4374.6	4220.8	3745.7	3345.0	3046.8	3042.2	3345.0	3745.7	3736.3	3773.6	3904.1
32.5°	4239.5	3950.7	3498.7	3223.9	2939.7	2935.1	3312.4	3633.8	3624.5	3675.7	3773.6
35°	4113.7	3741.0	3163.3	3084.1	2804.6	2809.2	3233.2	3503.4	3508.1	3554.6	3615.2
37.5°	3983.3	3559.3	2795.3	2930.4	2674.2	2674.2	3126.0	3382.3	3373.0	3386.9	3470.8
40°	3829.5	3275.1	2469.2	2730.1	2553.0	2539.0	2995.6	3251.9	3219.2	3214.6	3331.0
42.5°	3666.5	2963.0	2226.9	2464.5	2413.3	2394.6	2837.1	3093.5	3032.9	3046.8	3195.9
45°	3489.4	2879.1	2040.5	2082.4	2268.8	2254.9	2664.8	2911.8	2869.8	2907.1	3060.8
47.5°	3312.4	2711.4	1980.0	1728.4	2115.1	2110.4	2473.8	2734.7	2711.4	2748.7	2911.8
50°	3070.1	2525.0	1975.3	1481.5	1942.7	1961.3	2245.5	2562.3	2562.3	2595.0	2767.3
52.5°	2757.9	2296.8	1793.6	1341.8	1742.3	1798.3	2045.2	2413.3	2422.5	2455.2	2608.9
55°	2473.8	2059.2	1663.1	1234.6	1504.7	1625.9	1849.5	2259.5	2278.2	2310.8	2450.5
57.5°	2212.9	1714.4	1635.2	1108.8	1285.8	1402.3	1677.2	2110.4	2119.8	2147.7	2282.8
60°	1933.4	1239.3	1500.2	973.7	1094.8	1183.4	1518.8	1933.4	1966.0	1984.6	2101.1
62.5°	1616.6	899.2	1360.4	880.5	1001.7	1020.3	1388.3	1765.6	1807.6	1821.5	1891.5
65°	1150.7	754.7	1155.4	801.3	903.8	908.4	1248.5	1593.3	1630.6	1653.9	1705.1
67.5°	778.0	614.9	880.5	726.7	829.2	833.9	1113.4	1393.0	1444.2	1462.9	1495.5
70°	540.4	409.9	652.2	647.5	745.4	754.7	969.0	1211.3	1257.9	1271.8	1290.5
72.5°	396.0	330.7	540.4	582.4	656.9	666.2	820.0	1006.3	1052.9	1066.8	1076.2
75°	302.8	349.4	437.9	507.8	559.1	563.7	670.8	820.0	852.5	861.9	866.5
77.5°	242.3	326.1	321.5	409.9	456.6	447.3	526.5	633.6	661.6	661.6	661.6
80°	181.7	256.2	242.3	293.5	335.4	326.1	377.4	451.9	461.2	470.5	465.9
82.5°	135.1	163.1	163.1	186.4	223.6	214.3	251.5	293.5	293.5	293.5	302.8
85°	83.9	93.1	74.5	97.8	125.8	121.1	139.8	158.4	163.1	163.1	153.7
87.5°	51.2	41.9	23.3	37.3	55.9	55.9	65.2	69.8	65.2	65.2	65.2
90°	44.7	30.9	17.2	30.9	44.7	48.1	75.5	112.1	130.5	116.0	87.0
92.5°	302.2	185.4	68.6	185.4	302.2	331.4	465.9	645.2	734.9	644.0	462.4
95°	592.2	378.5	164.8	378.5	592.2	645.6	1146.5	1814.3	2148.1	1916.9	1454.5
97.5°	662.0	473.5	285.0	473.5	662.0	709.2	1544.3	2657.7	3214.4	3068.3	2776.0
100°	719.7	548.7	377.7	548.7	719.7	762.4	1689.1	2924.6	3542.4	3553.0	3574.4
102.5°	775.7	616.2	456.7	616.2	775.7	815.6	1755.5	3008.6	3635.2	3821.4	4193.8
105°	860.9	725.8	590.7	725.8	860.9	894.7	1804.7	3018.1	3624.8	4042.3	4877.2
107.5°	979.9	854.0	728.1	854.0	979.9	1011.4	1813.8	2883.8	3418.8	4001.1	5165.6
110°	1048.2	934.5	820.8	934.5	1048.2	1076.6	1800.2	2764.7	3247.1	3898.1	5200.0



TEST NUMBER: P936156

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1128.6	1020.2	911.8	1020.2	1128.6	1155.7	1800.7	2660.8	3090.8	3757.0	5089.5
115°	1249.2	1149.1	1049.2	1149.1	1249.2	1274.1	1817.3	2541.6	2903.7	3545.5	4829.1
117.5°	1366.4	1275.6	1184.8	1275.6	1366.4	1389.1	1851.0	2466.9	2774.8	3354.1	4512.6
120°	1434.7	1349.3	1263.8	1349.3	1434.7	1456.1	1878.5	2441.7	2723.4	3252.6	4311.1
122.5°	1513.6	1427.3	1341.0	1427.3	1513.6	1535.1	1918.1	2428.6	2683.9	3160.4	4113.7
125°	1616.8	1538.1	1459.6	1538.1	1616.8	1636.4	1971.3	2417.8	2640.9	3045.8	3855.5
127.5°	1714.4	1635.1	1555.7	1635.1	1714.4	1734.3	2024.4	2411.4	2604.9	2952.5	3647.7
130°	1778.1	1692.7	1607.3	1692.7	1778.1	1799.5	2063.3	2415.2	2591.1	2900.6	3519.5
132.5°	1831.4	1745.9	1660.5	1745.9	1831.4	1852.7	2094.8	2417.7	2579.1	2856.1	3410.2
135°	1895.1	1817.2	1739.4	1817.2	1895.1	1914.6	2129.2	2415.5	2558.5	2790.5	3254.5
137.5°	1974.3	1897.2	1820.2	1897.2	1974.3	1993.6	2180.7	2430.2	2555.0	2751.2	3143.5
140°	2029.1	1958.1	1887.1	1958.1	2029.1	2046.8	2212.2	2432.7	2543.0	2712.4	3051.3
142.5°	2069.9	2004.2	1938.6	2004.2	2069.9	2086.3	2238.5	2441.5	2543.0	2691.9	2989.5
145°	2132.1	2074.9	2017.6	2074.9	2132.1	2146.4	2272.9	2441.5	2525.9	2647.6	2891.0
147.5°	2208.0	2152.3	2096.6	2152.3	2208.0	2221.9	2323.2	2458.3	2525.9	2621.7	2813.2
150°	2248.9	2198.5	2148.1	2198.5	2248.9	2261.5	2349.6	2467.1	2525.9	2606.8	2768.6
152.5°	2277.6	2239.5	2201.4	2239.5	2277.6	2287.2	2366.7	2472.8	2525.9	2595.0	2733.1
155°	2336.8	2308.6	2280.4	2308.6	2336.8	2343.9	2404.5	2485.4	2525.9	2580.8	2690.8
157.5°	2393.6	2366.2	2338.7	2366.2	2393.6	2400.5	2442.3	2498.0	2525.9	2568.6	2654.1
160°	2421.0	2399.6	2378.2	2399.6	2421.0	2426.3	2459.5	2503.7	2525.9	2562.5	2635.7
162.5°	2449.7	2433.7	2417.7	2433.7	2449.7	2453.7	2477.8	2509.8	2525.9	2556.8	2618.6
165°	2489.6	2475.1	2460.6	2475.1	2489.6	2493.3	2504.1	2518.6	2525.9	2548.0	2592.2
167.5°	2513.8	2507.1	2500.2	2507.1	2513.8	2515.6	2524.8	2537.0	2543.0	2557.5	2586.5
170°	2539.6	2532.7	2525.9	2532.7	2539.6	2541.4	2541.9	2542.7	2543.0	2557.5	2586.5
172.5°	2542.7	2541.1	2539.6	2541.1	2542.7	2543.0	2543.0	2543.0	2543.0	2554.5	2577.4
175°	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5	2553.4	2546.5	2543.0	2550.3	2564.8
177.5°	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5	2554.5	2549.2	2546.5	2552.2	2563.7
180°	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5



TEST NUMBER: P936156

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4
2.5°	4751.9	4738.0	4756.6	4705.4	4756.6	4738.0	4751.9	4784.6	4756.6	4775.2	4793.9
5°	4169.6	4146.3	4071.7	4011.2	4071.7	4146.3	4169.6	4267.5	4314.0	4397.9	4509.6
7.5°	3727.0	3708.4	3689.8	3652.5	3689.8	3708.4	3727.0	3754.9	3801.6	3876.1	3959.9
10°	3629.2	3633.8	3661.8	3657.1	3661.8	3633.8	3629.2	3619.8	3605.9	3619.8	3671.1
12.5°	3880.7	3922.7	4076.4	4067.1	4076.4	3922.7	3880.7	3694.4	3568.6	3545.3	3554.6
15°	4169.6	4183.6	4216.2	4220.8	4216.2	4183.6	4169.6	4095.0	3717.7	3554.6	3503.4
17.5°	4197.5	4202.2	4225.5	4225.5	4225.5	4202.2	4197.5	4165.0	4039.1	3820.2	3531.4
20°	4174.2	4183.6	4230.2	4239.5	4230.2	4183.6	4174.2	4132.3	4062.5	3983.3	3764.3
22.5°	4165.0	4183.6	4220.8	4216.2	4220.8	4183.6	4165.0	4099.7	4039.1	3983.3	3894.7
25°	4118.3	4118.3	4123.0	4127.7	4123.0	4118.3	4118.3	4067.1	3946.0	3932.0	3880.7
27.5°	4020.5	4029.9	4057.8	4053.1	4057.8	4029.9	4020.5	4001.9	3871.5	3857.4	3820.2
30°	3932.0	3922.7	3899.4	3880.7	3899.4	3922.7	3932.0	3904.1	3773.6	3736.3	3745.7
32.5°	3782.9	3759.6	3736.3	3722.4	3736.3	3759.6	3782.9	3773.6	3675.7	3624.5	3633.8
35°	3605.9	3610.6	3605.9	3591.9	3605.9	3610.6	3605.9	3615.2	3554.6	3508.1	3503.4
37.5°	3480.1	3489.4	3484.8	3466.1	3484.8	3489.4	3480.1	3470.8	3386.9	3373.0	3382.3
40°	3349.7	3354.4	3349.7	3335.6	3349.7	3354.4	3349.7	3331.0	3214.6	3219.2	3251.9
42.5°	3223.9	3219.2	3205.2	3195.9	3205.2	3219.2	3223.9	3195.9	3046.8	3032.9	3093.5
45°	3079.4	3084.1	3056.1	3042.2	3056.1	3084.1	3079.4	3060.8	2907.1	2869.8	2911.8
47.5°	2935.1	2935.1	2911.8	2897.7	2911.8	2935.1	2935.1	2911.8	2748.7	2711.4	2734.7
50°	2781.3	2776.7	2744.0	2739.3	2744.0	2776.7	2781.3	2767.3	2595.0	2562.3	2562.3
52.5°	2604.2	2604.2	2608.9	2618.2	2608.9	2604.2	2604.2	2608.9	2455.2	2422.5	2413.3
55°	2450.5	2455.2	2487.8	2497.1	2487.8	2455.2	2450.5	2450.5	2310.8	2278.2	2259.5
57.5°	2292.1	2292.1	2315.4	2315.4	2315.4	2292.1	2292.1	2282.8	2147.7	2119.8	2110.4
60°	2110.4	2119.8	2138.4	2133.7	2138.4	2119.8	2110.4	2101.1	1984.6	1966.0	1933.4
62.5°	1919.5	1928.7	1933.4	1924.0	1933.4	1928.7	1919.5	1891.5	1821.5	1807.6	1765.6
65°	1719.1	1728.4	1733.1	1723.7	1733.1	1728.4	1719.1	1705.1	1653.9	1630.6	1593.3
67.5°	1514.1	1509.4	1504.7	1523.4	1504.7	1509.4	1514.1	1495.5	1462.9	1444.2	1393.0
70°	1304.4	1304.4	1299.8	1309.1	1299.8	1304.4	1304.4	1290.5	1271.8	1257.9	1211.3
72.5°	1080.9	1076.2	1094.8	1080.9	1094.8	1076.2	1080.9	1076.2	1066.8	1052.9	1006.3
75°	861.9	871.2	861.9	875.8	861.9	871.2	861.9	866.5	861.9	852.5	820.0
77.5°	656.9	666.2	656.9	656.9	656.9	666.2	656.9	661.6	661.6	661.6	633.6
80°	465.9	461.2	461.2	456.6	461.2	461.2	465.9	465.9	470.5	461.2	451.9
82.5°	298.2	293.5	293.5	302.8	293.5	293.5	298.2	302.8	293.5	293.5	293.5
85°	163.1	167.8	158.4	158.4	158.4	167.8	163.1	153.7	163.1	163.1	158.4
87.5°	60.6	55.9	55.9	55.9	55.9	55.9	60.6	65.2	65.2	65.2	69.8
90°	65.2	65.2	65.2	65.2	65.2	65.2	65.2	87.0	116.0	130.5	112.1
92.5°	326.2	313.3	261.4	209.5	261.4	313.3	326.2	462.4	644.0	734.9	645.2
95°	1107.6	1068.3	911.0	753.8	911.0	1068.3	1107.6	1454.5	1916.9	2148.1	1814.3
97.5°	2556.8	2482.0	2182.8	1883.7	2182.8	2482.0	2556.8	2776.0	3068.3	3214.4	2657.7
100°	3590.5	3501.4	3145.0	2788.6	3145.0	3501.4	3590.5	3574.4	3553.0	3542.4	2924.6
102.5°	4473.1	4396.8	4091.5	3786.2	4091.5	4396.8	4473.1	4193.8	3821.4	3635.2	3008.6
105°	5503.3	5462.3	5298.3	5134.2	5298.3	5462.3	5503.3	4877.2	4042.3	3624.8	3018.1
107.5°	6039.1	6049.0	6088.7	6128.4	6088.7	6049.0	6039.1	5165.6	4001.1	3418.8	2883.8
110°	6176.5	6219.2	6390.2	6561.2	6390.2	6219.2	6176.5	5200.0	3898.1	3247.1	2764.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6088.9	6154.5	6417.1	6679.6	6417.1	6154.5	6088.9	5089.5	3757.0	3090.8	2660.8
115°	5791.8	5882.9	6246.8	6610.9	6246.8	5882.9	5791.8	4829.1	3545.5	2903.7	2541.6
117.5°	5381.5	5482.4	5886.1	6289.8	5886.1	5482.4	5381.5	4512.6	3354.1	2774.8	2466.9
120°	5105.0	5203.1	5595.3	5987.6	5595.3	5203.1	5105.0	4311.1	3252.6	2723.4	2441.7
122.5°	4828.5	4925.3	5312.3	5699.2	5312.3	4925.3	4828.5	4113.7	3160.4	2683.9	2428.6
125°	4462.8	4551.9	4908.3	5264.7	4908.3	4551.9	4462.8	3855.5	3045.8	2640.9	2417.8
127.5°	4169.2	4244.3	4545.1	4845.7	4545.1	4244.3	4169.2	3647.7	2952.5	2604.9	2411.4
130°	3983.7	4053.2	4331.0	4608.8	4331.0	4053.2	3983.7	3519.5	2900.6	2591.1	2415.2
132.5°	3825.8	3888.0	4136.7	4385.5	4136.7	3888.0	3825.8	3410.2	2856.1	2579.1	2417.7
135°	3602.5	3656.1	3870.6	4085.0	3870.6	3656.1	3602.5	3254.5	2790.5	2558.5	2415.5
137.5°	3437.7	3481.6	3657.1	3832.6	3657.1	3481.6	3437.7	3143.5	2751.2	2555.0	2430.2
140°	3305.4	3346.5	3510.6	3674.6	3510.6	3346.5	3305.4	3051.3	2712.4	2543.0	2432.7
142.5°	3212.8	3248.1	3389.2	3530.4	3389.2	3248.1	3212.8	2989.5	2691.9	2543.0	2441.5
145°	3073.6	3100.3	3207.3	3314.1	3207.3	3100.3	3073.6	2891.0	2647.6	2525.9	2441.5
147.5°	2956.9	2979.0	3067.6	3156.0	3067.6	2979.0	2956.9	2813.2	2621.7	2525.9	2458.3
150°	2889.9	2907.8	2979.6	3051.3	2979.6	2907.8	2889.9	2768.6	2606.8	2525.9	2467.1
152.5°	2836.7	2850.3	2904.4	2958.6	2904.4	2850.3	2836.7	2733.1	2595.0	2525.9	2472.8
155°	2773.2	2782.2	2818.0	2853.8	2818.0	2782.2	2773.2	2690.8	2580.8	2525.9	2485.4
157.5°	2718.2	2724.5	2749.7	2774.8	2749.7	2724.5	2718.2	2654.1	2568.6	2525.9	2498.0
160°	2690.7	2694.4	2708.9	2723.4	2708.9	2694.4	2690.7	2635.7	2562.5	2525.9	2503.7
162.5°	2665.0	2668.4	2682.1	2695.9	2682.1	2668.4	2665.0	2618.6	2556.8	2525.9	2509.8
165°	2625.4	2629.1	2643.6	2658.1	2643.6	2629.1	2625.4	2592.2	2548.0	2525.9	2518.6
167.5°	2608.3	2609.8	2615.9	2622.0	2615.9	2609.8	2608.3	2586.5	2557.5	2543.0	2537.0
170°	2608.3	2608.3	2608.3	2608.3	2608.3	2608.3	2608.3	2586.5	2557.5	2543.0	2542.7
172.5°	2594.6	2593.2	2587.9	2582.6	2587.9	2593.2	2594.6	2577.4	2554.5	2543.0	2543.0
175°	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7	2564.8	2550.3	2543.0	2546.5
177.5°	2572.2	2570.6	2564.6	2558.5	2564.6	2570.6	2572.2	2563.7	2552.2	2546.5	2549.2
180°	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5	2558.5



TEST NUMBER: P936156

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4924.4	4924.4	4924.4	4924.4	4924.4
2.5°	4863.8	4887.1	4901.0	4919.7	4966.3
5°	4677.4	4766.0	4793.9	4863.8	4947.6
7.5°	4267.5	4537.6	4612.2	4779.9	4910.3
10°	3871.5	4141.6	4272.1	4668.1	4863.8
12.5°	3671.1	3829.5	3918.0	4472.4	4798.5
15°	3545.3	3657.1	3722.4	4211.5	4724.0
17.5°	3447.5	3526.7	3573.3	3955.3	4621.5
20°	3386.9	3424.2	3466.1	3769.0	4505.1
22.5°	3345.0	3321.7	3354.4	3638.5	4346.7
25°	3317.0	3228.5	3265.8	3536.0	4160.3
27.5°	3340.3	3144.7	3158.6	3442.8	3964.6
30°	3345.0	3042.2	3046.8	3345.0	3745.7
32.5°	3312.4	2935.1	2939.7	3223.9	3498.7
35°	3233.2	2809.2	2804.6	3084.1	3163.3
37.5°	3126.0	2674.2	2674.2	2930.4	2795.3
40°	2995.6	2539.0	2553.0	2730.1	2469.2
42.5°	2837.1	2394.6	2413.3	2464.5	2226.9
45°	2664.8	2254.9	2268.8	2082.4	2040.5
47.5°	2473.8	2110.4	2115.1	1728.4	1980.0
50°	2245.5	1961.3	1942.7	1481.5	1975.3
52.5°	2045.2	1798.3	1742.3	1341.8	1793.6
55°	1849.5	1625.9	1504.7	1234.6	1663.1
57.5°	1677.2	1402.3	1285.8	1108.8	1635.2
60°	1518.8	1183.4	1094.8	973.7	1500.2
62.5°	1388.3	1020.3	1001.7	880.5	1360.4
65°	1248.5	908.4	903.8	801.3	1155.4
67.5°	1113.4	833.9	829.2	726.7	880.5
70°	969.0	754.7	745.4	647.5	652.2
72.5°	820.0	666.2	656.9	582.4	540.4
75°	670.8	563.7	559.1	507.8	437.9
77.5°	526.5	447.3	456.6	409.9	321.5
80°	377.4	326.1	335.4	293.5	242.3
82.5°	251.5	214.3	223.6	186.4	163.1
85°	139.8	121.1	125.8	97.8	74.5
87.5°	65.2	55.9	55.9	37.3	23.3
90°	75.5	48.1	44.7	30.9	17.2
92.5°	465.9	331.4	302.2	185.4	68.6
95°	1146.5	645.6	592.2	378.5	164.8
97.5°	1544.3	709.2	662.0	473.5	285.0
100°	1689.1	762.4	719.7	548.7	377.7
102.5°	1755.5	815.6	775.7	616.2	456.7
105°	1804.7	894.7	860.9	725.8	590.7
107.5°	1813.8	1011.4	979.9	854.0	728.1
110°	1800.2	1076.6	1048.2	934.5	820.8



TEST NUMBER: P936156

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1800.7	1155.7	1128.6	1020.2	911.8
115°	1817.3	1274.1	1249.2	1149.1	1049.2
117.5°	1851.0	1389.1	1366.4	1275.6	1184.8
120°	1878.5	1456.1	1434.7	1349.3	1263.8
122.5°	1918.1	1535.1	1513.6	1427.3	1341.0
125°	1971.3	1636.4	1616.8	1538.1	1459.6
127.5°	2024.4	1734.3	1714.4	1635.1	1555.7
130°	2063.3	1799.5	1778.1	1692.7	1607.3
132.5°	2094.8	1852.7	1831.4	1745.9	1660.5
135°	2129.2	1914.6	1895.1	1817.2	1739.4
137.5°	2180.7	1993.6	1974.3	1897.2	1820.2
140°	2212.2	2046.8	2029.1	1958.1	1887.1
142.5°	2238.5	2086.3	2069.9	2004.2	1938.6
145°	2272.9	2146.4	2132.1	2074.9	2017.6
147.5°	2323.2	2221.9	2208.0	2152.3	2096.6
150°	2349.6	2261.5	2248.9	2198.5	2148.1
152.5°	2366.7	2287.2	2277.6	2239.5	2201.4
155°	2404.5	2343.9	2336.8	2308.6	2280.4
157.5°	2442.3	2400.5	2393.6	2366.2	2338.7
160°	2459.5	2426.3	2421.0	2399.6	2378.2
162.5°	2477.8	2453.7	2449.7	2433.7	2417.7
165°	2504.1	2493.3	2489.6	2475.1	2460.6
167.5°	2524.8	2515.6	2513.8	2507.1	2500.2
170°	2541.9	2541.4	2539.6	2532.7	2525.9
172.5°	2543.0	2543.0	2542.7	2541.1	2539.6
175°	2553.4	2558.5	2558.5	2558.5	2558.5
177.5°	2554.5	2558.5	2558.5	2558.5	2558.5
180°	2558.5	2558.5	2558.5	2558.5	2558.5



TEST NUMBER: P936156
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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	13.64	14.45	14.65	15.47	16.83	16.49	17.30	17.51	18.32	19.68
	3H	14.12	14.84	15.14	15.87	17.25	17.84	18.56	18.86	19.59	20.97
	4H	14.30	14.99	15.34	16.02	17.41	18.29	18.97	19.32	20.00	21.39
	6H	14.42	15.05	15.46	16.09	17.49	18.58	19.21	19.62	20.24	21.64
	8H	14.42	15.02	15.47	16.07	17.47	18.65	19.25	19.70	20.30	21.70
	12H	14.39	14.96	15.44	16.00	17.43	18.69	19.26	19.75	20.31	21.73
4H	2H	14.67	15.36	15.71	16.39	17.78	16.90	17.58	17.94	18.61	20.00
	3H	15.70	16.27	16.74	17.33	18.73	18.40	18.97	19.45	20.03	21.44
	4H	15.97	16.49	17.03	17.54	18.97	18.93	19.45	19.99	20.51	21.93
	6H	16.09	16.54	17.16	17.61	19.03	19.30	19.75	20.37	20.82	22.24
	8H	16.10	16.51	17.16	17.58	19.02	19.41	19.83	20.47	20.90	22.33
	12H	16.06	16.44	17.14	17.52	18.96	19.47	19.85	20.55	20.93	22.37
8H	4H	16.42	16.84	17.49	17.91	19.34	19.05	19.47	20.12	20.54	21.97
	6H	16.68	17.03	17.77	18.14	19.57	19.49	19.84	20.58	20.95	22.38
	8H	16.72	17.03	17.82	18.12	19.57	19.65	19.95	20.74	21.04	22.49
	12H	16.70	16.97	17.80	18.06	19.55	19.75	20.01	20.85	21.10	22.59
12H	4H	16.43	16.80	17.51	17.89	19.33	19.01	19.39	20.10	20.47	21.91
	6H	16.74	17.05	17.84	18.14	19.59	19.49	19.79	20.58	20.89	22.34
	8H	16.81	17.07	17.91	18.16	19.65	19.65	19.92	20.75	21.01	22.50