

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: P936028

Luminaire Tested: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936028
REPORT IS A COMBINATION OF REPORTS P933777 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

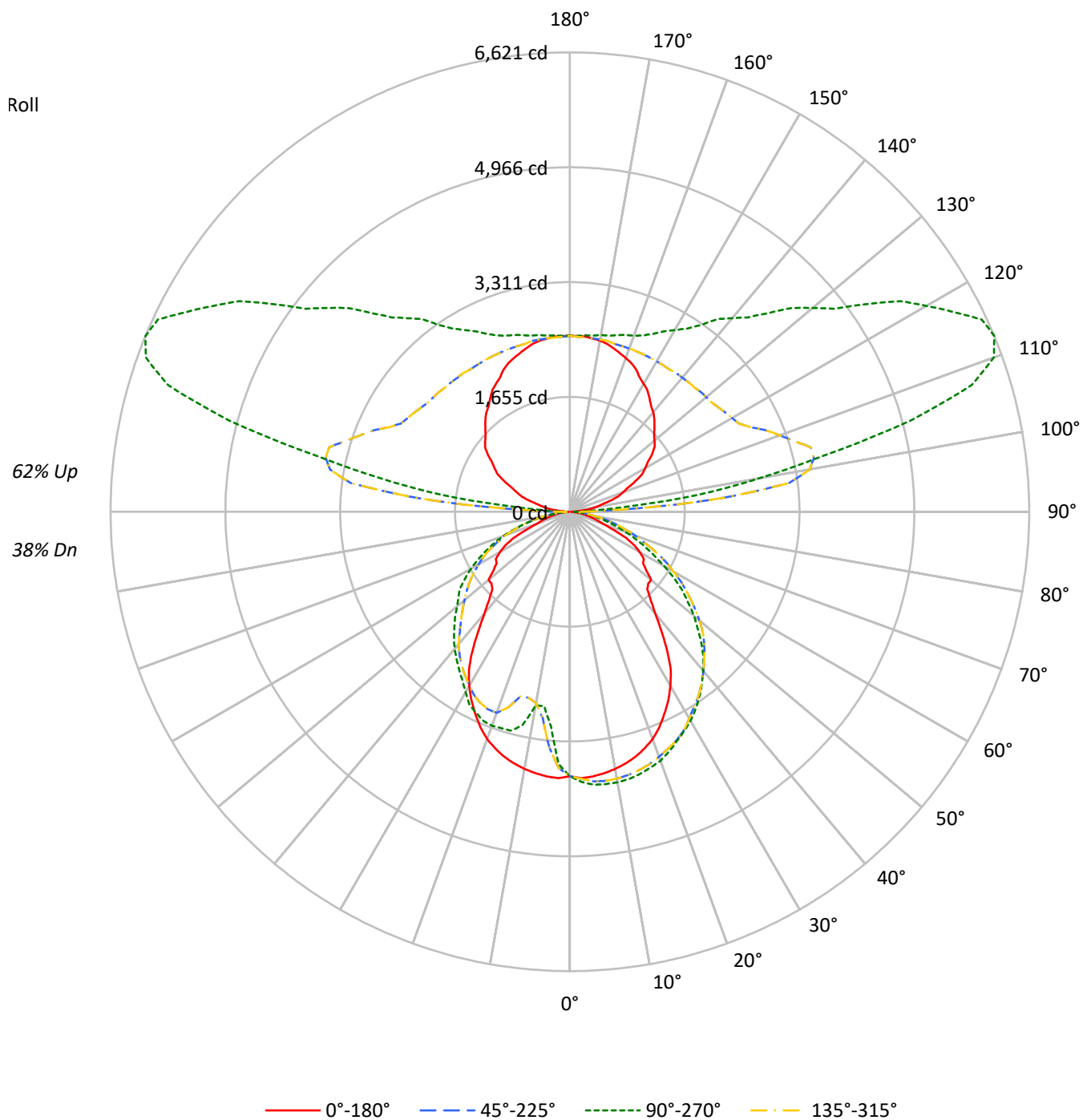
Lumens per Lamp: N/A
Luminaire Lumens: 26331.2 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 217.2
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: P936028

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-4000K

Luminous Intensity Polar Plot



TEST NUMBER: P936028

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45			38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38			32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32			27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27			23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23			19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20			17
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18			15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16			13
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14			12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13			10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11			9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11788	11788	11788	11788
5°	11880	11899	11880	9357
10°	11805	11721	11805	8380
15°	11681	11467	11681	9576
20°	11441	11167	11441	9596
25°	10946	10728	10946	9392
30°	10304	10364	10304	8946
35°	9191	9903	9191	8455
40°	7663	9360	7663	8084
45°	6851	8725	6851	7658
50°	7284	7968	7284	7231
55°	6859	7152	6859	6983
60°	7080	6074	7080	6396
65°	6430	5021	6430	5613
70°	4463	4002	4463	4705
75°	3928	2958	3928	3543
80°	3189	1956	3189	2129
85°	1870	1036	1870	881

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 10493 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.0	1.3
10°-20°	976.8	3.7
20°-30°	1509.9	5.7
30°-40°	1802.5	6.8
40°-50°	1813.0	6.9
50°-60°	1577.6	6.0
60°-70°	1118.5	4.2
70°-80°	591.8	2.2
80°-90°	157.1	0.6
90°-100°	1236.2	4.7
100°-110°	3250.0	12.3
110°-120°	3369.9	12.8
120°-130°	2703.1	10.3
130°-140°	2121.0	8.1
140°-150°	1627.9	6.2
150°-160°	1172.4	4.5
160°-170°	717.3	2.7
170°-180°	242.3	0.9
0°-30°	2830.7	10.8
0°-40°	4633.1	17.6
0°-60°	8023.7	30.5
0°-90°	9891.1	37.6
90°-120°	7856.1	29.8
90°-150°	14308.1	54.3
90°-180°	16440.0	62.4
0°-180°	26331.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3811	3811	3811	3811	3811	
5°	3829	3948	3829	3104	3829	363
15°	3656	3912	3656	3267	3656	1029
25°	3220	3649	3220	3194	3220	1478
35°	2448	3256	2448	2780	2448	1515
45°	1579	2682	1579	2354	1579	1265
55°	1287	1980	1287	1932	1287	1183
65°	894	1193	894	1334	894	855
75°	339	566	339	678	339	356
85°	58	144	58	123	58	78
90°	17	65	17	65	17	16
95°	163	747	163	747	163	181
105°	586	5089	586	5089	586	621
115°	1040	6553	1040	6553	1040	1027
125°	1447	5218	1447	5218	1447	1284
135°	1724	4049	1724	4049	1724	1334
145°	2000	3285	2000	3285	2000	1253
155°	2260	2829	2260	2829	2260	1039
165°	2439	2635	2439	2635	2439	688
175°	2536	2553	2536	2553	2536	241
180°	2536	2536	2536	2536	2536	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0
2.5°	3843.5	3843.5	3865.1	3872.3	3872.3	3861.5	3850.7	3861.5	3894.0	3904.8	3901.2
5°	3829.1	3858.0	3897.6	3904.8	3912.0	3908.4	3901.2	3908.4	3944.5	3951.6	3955.3
7.5°	3800.2	3854.3	3904.8	3915.6	3926.4	3915.6	3912.0	3919.3	3955.3	3962.5	3962.5
10°	3764.2	3839.9	3897.6	3904.8	3915.6	3904.8	3904.8	3919.3	3955.3	3962.5	3966.1
12.5°	3713.7	3818.3	3872.3	3879.6	3894.0	3890.3	3886.8	3901.2	3937.3	3944.5	3944.5
15°	3656.0	3778.6	3829.1	3836.3	3861.5	3854.3	3854.3	3868.8	3908.4	3919.3	3915.6
17.5°	3576.7	3728.1	3785.8	3796.6	3814.7	3811.0	3814.7	3829.1	3865.1	3872.3	3876.0
20°	3486.5	3659.7	3728.1	3739.0	3757.0	3757.0	3757.0	3775.0	3811.0	3825.5	3825.5
22.5°	3363.9	3587.5	3659.7	3666.8	3688.5	3688.5	3695.7	3720.9	3753.3	3757.0	3757.0
25°	3219.8	3508.2	3569.5	3591.2	3612.7	3623.5	3634.4	3648.8	3659.7	3656.0	3659.7
27.5°	3068.3	3407.2	3486.5	3501.0	3529.8	3540.7	3555.0	3558.7	3562.2	3573.1	3565.9
30°	2898.8	3266.6	3385.6	3400.0	3446.9	3454.1	3439.7	3446.9	3464.9	3472.2	3479.4
32.5°	2707.7	3057.5	3281.1	3313.4	3356.7	3335.1	3331.5	3342.4	3371.2	3371.2	3378.4
35°	2448.2	2895.3	3183.7	3212.6	3244.9	3219.8	3234.1	3237.8	3255.8	3266.6	3263.0
37.5°	2163.3	2754.7	3082.8	3104.4	3129.6	3097.1	3118.8	3129.6	3144.1	3136.8	3136.8
40°	1911.0	2534.7	2963.8	2978.2	2999.8	2974.6	2996.2	3003.4	3010.6	3003.4	2999.8
42.5°	1723.5	2293.1	2837.5	2855.6	2841.2	2859.2	2866.4	2880.8	2870.0	2855.6	2855.6
45°	1579.2	2228.2	2700.5	2722.2	2700.5	2729.4	2740.2	2740.2	2707.7	2700.5	2697.0
47.5°	1532.4	2098.4	2563.5	2563.5	2552.7	2588.7	2606.8	2581.5	2549.1	2538.3	2538.3
50°	1528.7	1954.2	2376.1	2361.6	2412.1	2455.4	2437.4	2412.1	2386.9	2347.2	2347.2
52.5°	1388.1	1777.5	2134.5	2188.6	2267.9	2293.1	2264.3	2239.1	2195.8	2177.8	2163.3
55°	1287.1	1593.7	1914.5	2022.7	2105.6	2138.1	2084.0	2058.8	1993.8	1983.0	1975.8
57.5°	1265.6	1326.8	1712.7	1849.7	1950.6	1947.0	1914.5	1867.7	1813.5	1802.8	1799.2
60°	1161.0	959.0	1496.3	1658.5	1763.1	1752.3	1723.5	1680.2	1629.7	1622.5	1615.2
62.5°	1052.8	695.9	1251.1	1435.0	1582.9	1579.2	1554.0	1489.1	1453.1	1435.0	1420.6
65°	894.2	584.1	890.5	1193.4	1406.1	1413.4	1359.3	1312.4	1272.8	1251.1	1247.5
67.5°	681.4	475.9	602.1	995.1	1236.7	1229.5	1161.0	1139.3	1088.8	1078.0	1056.5
70°	504.8	317.3	418.3	807.7	1070.8	1052.8	998.7	973.5	926.6	901.4	887.0
72.5°	418.3	256.0	306.5	627.4	901.4	879.7	832.9	804.0	764.4	742.7	728.3
75°	338.9	270.4	234.3	465.1	731.9	717.5	674.2	645.4	612.9	584.1	587.7
77.5°	248.8	252.4	187.5	342.6	580.5	558.9	533.6	497.6	483.1	454.3	454.3
80°	187.5	198.3	140.6	234.3	418.3	418.3	396.6	371.4	346.1	331.7	331.7
82.5°	126.2	126.2	104.5	147.8	284.8	274.0	259.6	252.4	238.0	230.8	230.8
85°	57.7	72.1	64.9	90.1	155.0	162.3	162.3	155.0	151.5	144.2	147.8
87.5°	18.0	32.5	39.7	50.5	79.3	83.0	86.5	86.5	86.5	90.1	90.1
90°	17.0	30.7	44.3	47.7	74.9	111.2	129.4	115.0	86.2	64.7	64.7
92.5°	68.0	183.7	299.5	328.5	461.8	639.6	728.4	638.4	458.4	323.4	310.6
95°	163.4	375.1	587.0	639.9	1136.4	1798.4	2129.3	1900.0	1441.7	1097.8	1058.9
97.5°	282.5	469.4	656.2	703.0	1530.7	2634.4	3186.2	3041.4	2751.7	2534.3	2460.2
100°	374.4	543.9	713.3	755.7	1674.3	2898.9	3511.3	3521.8	3543.0	3559.0	3470.6
102.5°	452.7	610.8	768.9	808.5	1740.0	2982.2	3603.3	3787.8	4157.0	4433.8	4358.2
105°	585.5	719.4	853.3	886.8	1788.9	2991.6	3593.0	4006.8	4834.4	5455.0	5414.3
107.5°	721.7	846.5	971.3	1002.5	1797.9	2858.4	3388.8	3965.9	5120.3	5986.0	5995.9
110°	813.6	926.3	1039.0	1067.2	1784.3	2740.5	3218.6	3863.9	5154.4	6122.2	6164.6

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	903.8	1011.2	1118.7	1145.5	1784.9	2637.4	3063.7	3724.1	5044.8	6035.4	6100.5
115°	1040.0	1139.0	1238.2	1262.9	1801.4	2519.2	2878.2	3514.4	4786.7	5741.0	5831.2
117.5°	1174.4	1264.4	1354.4	1376.9	1834.7	2445.2	2750.5	3324.6	4473.0	5334.2	5434.3
120°	1252.7	1337.4	1422.1	1443.3	1862.0	2420.3	2699.4	3224.0	4273.2	5060.1	5157.4
122.5°	1329.3	1414.8	1500.3	1521.6	1901.2	2407.3	2660.3	3132.7	4077.5	4786.1	4882.0
125°	1446.8	1524.6	1602.6	1622.1	1954.0	2396.5	2617.8	3019.1	3821.7	4423.6	4511.9
127.5°	1542.0	1620.7	1699.4	1719.0	2006.7	2390.3	2582.0	2926.6	3615.7	4132.6	4207.1
130°	1593.1	1677.8	1762.5	1783.7	2045.2	2394.0	2568.4	2875.1	3488.6	3948.7	4017.6
132.5°	1645.9	1730.6	1815.3	1836.5	2076.4	2396.4	2556.4	2831.1	3380.3	3792.2	3853.9
135°	1724.1	1801.3	1878.5	1897.8	2110.5	2394.3	2536.1	2766.0	3225.9	3570.9	3624.0
137.5°	1804.2	1880.6	1957.0	1976.1	2161.6	2408.9	2532.6	2727.0	3115.9	3407.5	3451.0
140°	1870.6	1940.9	2011.3	2028.9	2192.8	2411.4	2520.7	2688.6	3024.5	3276.4	3317.1
142.5°	1921.6	1986.6	2051.7	2068.0	2218.9	2420.1	2520.7	2668.2	2963.2	3184.5	3219.6
145°	1999.9	2056.7	2113.4	2127.5	2252.9	2420.1	2503.7	2624.3	2865.6	3046.6	3073.1
147.5°	2078.2	2133.4	2188.6	2202.4	2302.8	2436.7	2503.7	2598.7	2788.5	2930.9	2952.9
150°	2129.3	2179.2	2229.2	2241.6	2328.9	2445.5	2503.7	2583.9	2744.3	2864.5	2882.3
152.5°	2182.0	2219.9	2257.6	2267.1	2346.0	2451.1	2503.7	2572.2	2709.1	2811.8	2825.2
155°	2260.4	2288.4	2316.3	2323.3	2383.4	2463.6	2503.7	2558.2	2667.1	2748.8	2757.7
157.5°	2318.2	2345.4	2372.6	2379.4	2420.8	2476.0	2503.7	2546.1	2630.8	2694.3	2700.6
160°	2357.3	2378.5	2399.7	2405.0	2437.9	2481.8	2503.7	2540.0	2612.6	2667.1	2670.7
162.5°	2396.4	2412.4	2428.2	2432.2	2456.0	2487.8	2503.7	2534.3	2595.6	2641.6	2645.0
165°	2439.0	2453.4	2467.8	2471.4	2482.1	2496.5	2503.7	2525.6	2569.5	2602.4	2606.0
167.5°	2478.2	2485.0	2491.8	2493.5	2502.6	2514.7	2520.7	2535.1	2563.8	2585.4	2586.9
170°	2503.7	2510.5	2517.3	2519.1	2519.6	2520.3	2520.7	2535.1	2563.8	2585.4	2585.4
172.5°	2517.3	2518.8	2520.3	2520.7	2520.7	2520.7	2520.7	2532.1	2554.8	2571.8	2570.5
175°	2536.1	2536.1	2536.1	2536.1	2531.0	2524.2	2520.7	2527.9	2542.3	2553.1	2553.1
177.5°	2536.1	2536.1	2536.1	2536.1	2532.1	2526.8	2524.2	2529.8	2541.2	2549.6	2548.1
180°	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0
2.5°	3908.4	3897.6	3908.4	3901.2	3904.8	3894.0	3861.5	3850.7	3861.5	3872.3	3872.3
5°	3955.3	3948.1	3955.3	3955.3	3951.6	3944.5	3908.4	3901.2	3908.4	3912.0	3904.8
7.5°	3969.7	3958.9	3969.7	3962.5	3962.5	3955.3	3919.3	3912.0	3915.6	3926.4	3915.6
10°	3969.7	3958.9	3969.7	3966.1	3962.5	3955.3	3919.3	3904.8	3904.8	3915.6	3904.8
12.5°	3951.6	3944.5	3951.6	3944.5	3944.5	3937.3	3901.2	3886.8	3890.3	3894.0	3879.6
15°	3922.8	3912.0	3922.8	3915.6	3919.3	3908.4	3868.8	3854.3	3854.3	3861.5	3836.3
17.5°	3879.6	3865.1	3879.6	3876.0	3872.3	3865.1	3829.1	3814.7	3811.0	3814.7	3796.6
20°	3829.1	3818.3	3829.1	3825.5	3825.5	3811.0	3775.0	3757.0	3757.0	3757.0	3739.0
22.5°	3749.8	3739.0	3749.8	3757.0	3757.0	3753.3	3720.9	3695.7	3688.5	3688.5	3666.8
25°	3659.7	3648.8	3659.7	3659.7	3656.0	3659.7	3648.8	3634.4	3623.5	3612.7	3591.2
27.5°	3573.1	3565.9	3573.1	3565.9	3573.1	3562.2	3558.7	3555.0	3540.7	3529.8	3501.0
30°	3486.5	3479.4	3486.5	3479.4	3472.2	3464.9	3446.9	3439.7	3454.1	3446.9	3400.0
32.5°	3378.4	3371.2	3378.4	3378.4	3371.2	3371.2	3342.4	3331.5	3335.1	3356.7	3313.4
35°	3266.6	3255.8	3266.6	3263.0	3266.6	3255.8	3237.8	3234.1	3219.8	3244.9	3212.6
37.5°	3136.8	3126.0	3136.8	3136.8	3136.8	3144.1	3129.6	3118.8	3097.1	3129.6	3104.4
40°	3003.4	2989.0	3003.4	2999.8	3003.4	3010.6	3003.4	2996.2	2974.6	2999.8	2978.2
42.5°	2852.0	2848.3	2852.0	2855.6	2855.6	2870.0	2880.8	2866.4	2859.2	2841.2	2855.6
45°	2689.7	2682.5	2689.7	2697.0	2700.5	2707.7	2740.2	2740.2	2729.4	2700.5	2722.2
47.5°	2516.7	2498.7	2516.7	2538.3	2538.3	2549.1	2581.5	2606.8	2588.7	2552.7	2563.5
50°	2332.8	2336.4	2332.8	2347.2	2347.2	2386.9	2412.1	2437.4	2455.4	2412.1	2361.6
52.5°	2152.5	2148.9	2152.5	2163.3	2177.8	2195.8	2239.1	2264.3	2293.1	2267.9	2188.6
55°	1972.2	1979.5	1972.2	1975.8	1983.0	1993.8	2058.8	2084.0	2138.1	2105.6	2022.7
57.5°	1792.0	1781.2	1792.0	1799.2	1802.8	1813.5	1867.7	1914.5	1947.0	1950.6	1849.7
60°	1582.9	1568.4	1582.9	1615.2	1622.5	1629.7	1680.2	1723.5	1752.3	1763.1	1658.5
62.5°	1398.9	1373.7	1398.9	1420.6	1435.0	1453.1	1489.1	1554.0	1579.2	1582.9	1435.0
65°	1204.3	1193.4	1204.3	1247.5	1251.1	1272.8	1312.4	1359.3	1413.4	1406.1	1193.4
67.5°	1027.6	1027.6	1027.6	1056.5	1078.0	1088.8	1139.3	1161.0	1229.5	1236.7	995.1
70°	865.3	861.7	865.3	887.0	901.4	926.6	973.5	998.7	1052.8	1070.8	807.7
72.5°	710.3	706.7	710.3	728.3	742.7	764.4	804.0	832.9	879.7	901.4	627.4
75°	573.3	566.1	573.3	587.7	584.1	612.9	645.4	674.2	717.5	731.9	465.1
77.5°	439.9	439.9	439.9	454.3	454.3	483.1	497.6	533.6	558.9	580.5	342.6
80°	328.1	324.5	328.1	331.7	331.7	346.1	371.4	396.6	418.3	418.3	234.3
82.5°	230.8	223.5	230.8	230.8	230.8	238.0	252.4	259.6	274.0	284.8	147.8
85°	144.2	144.2	144.2	147.8	144.2	151.5	155.0	162.3	162.3	155.0	90.1
87.5°	93.8	90.1	93.8	90.1	90.1	86.5	86.5	86.5	83.0	79.3	50.5
90°	64.7	64.7	64.7	64.7	64.7	86.2	115.0	129.4	111.2	74.9	47.7
92.5°	259.1	207.7	259.1	310.6	323.4	458.4	638.4	728.4	639.6	461.8	328.5
95°	903.0	747.2	903.0	1058.9	1097.8	1441.7	1900.0	2129.3	1798.4	1136.4	639.9
97.5°	2163.7	1867.1	2163.7	2460.2	2534.3	2751.7	3041.4	3186.2	2634.4	1530.7	703.0
100°	3117.4	2764.1	3117.4	3470.6	3559.0	3543.0	3521.8	3511.3	2898.9	1674.3	755.7
102.5°	4055.6	3753.0	4055.6	4358.2	4433.8	4157.0	3787.8	3603.3	2982.2	1740.0	808.5
105°	5251.8	5089.1	5251.8	5414.3	5455.0	4834.4	4006.8	3593.0	2991.6	1788.9	886.8
107.5°	6035.3	6074.6	6035.3	5995.9	5986.0	5120.3	3965.9	3388.8	2858.4	1797.9	1002.5
110°	6334.1	6503.5	6334.1	6164.6	6122.2	5154.4	3863.9	3218.6	2740.5	1784.3	1067.2

TEST NUMBER: P936028

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6360.7	6621.0	6360.7	6100.5	6035.4	5044.8	3724.1	3063.7	2637.4	1784.9	1145.5
115°	6192.0	6552.8	6192.0	5831.2	5741.0	4786.7	3514.4	2878.2	2519.2	1801.4	1262.9
117.5°	5834.4	6234.6	5834.4	5434.3	5334.2	4473.0	3324.6	2750.5	2445.2	1834.7	1376.9
120°	5546.1	5935.0	5546.1	5157.4	5060.1	4273.2	3224.0	2699.4	2420.3	1862.0	1443.3
122.5°	5265.6	5649.1	5265.6	4882.0	4786.1	4077.5	3132.7	2660.3	2407.3	1901.2	1521.6
125°	4865.2	5218.5	4865.2	4511.9	4423.6	3821.7	3019.1	2617.8	2396.5	1954.0	1622.1
127.5°	4505.2	4803.2	4505.2	4207.1	4132.6	3615.7	2926.6	2582.0	2390.3	2006.7	1719.0
130°	4292.9	4568.3	4292.9	4017.6	3948.7	3488.6	2875.1	2568.4	2394.0	2045.2	1783.7
132.5°	4100.4	4347.0	4100.4	3853.9	3792.2	3380.3	2831.1	2556.4	2396.4	2076.4	1836.5
135°	3836.6	4049.2	3836.6	3624.0	3570.9	3225.9	2766.0	2536.1	2394.3	2110.5	1897.8
137.5°	3625.0	3798.9	3625.0	3451.0	3407.5	3115.9	2727.0	2532.6	2408.9	2161.6	1976.1
140°	3479.7	3642.4	3479.7	3317.1	3276.4	3024.5	2688.6	2520.7	2411.4	2192.8	2028.9
142.5°	3359.5	3499.4	3359.5	3219.6	3184.5	2963.2	2668.2	2520.7	2420.1	2218.9	2068.0
145°	3179.1	3285.0	3179.1	3073.1	3046.6	2865.6	2624.3	2503.7	2420.1	2252.9	2127.5
147.5°	3040.6	3128.3	3040.6	2952.9	2930.9	2788.5	2598.7	2503.7	2436.7	2302.8	2202.4
150°	2953.4	3024.5	2953.4	2882.3	2864.5	2744.3	2583.9	2503.7	2445.5	2328.9	2241.6
152.5°	2878.9	2932.6	2878.9	2825.2	2811.8	2709.1	2572.2	2503.7	2451.1	2346.0	2267.1
155°	2793.2	2828.8	2793.2	2757.7	2748.8	2667.1	2558.2	2503.7	2463.6	2383.4	2323.3
157.5°	2725.5	2750.5	2725.5	2700.6	2694.3	2630.8	2546.1	2503.7	2476.0	2420.8	2379.4
160°	2685.1	2699.4	2685.1	2670.7	2667.1	2612.6	2540.0	2503.7	2481.8	2437.9	2405.0
162.5°	2658.6	2672.2	2658.6	2645.0	2641.6	2595.6	2534.3	2503.7	2487.8	2456.0	2432.2
165°	2620.4	2634.8	2620.4	2606.0	2602.4	2569.5	2525.6	2503.7	2496.5	2482.1	2471.4
167.5°	2592.9	2599.0	2592.9	2586.9	2585.4	2563.8	2535.1	2520.7	2514.7	2502.6	2493.5
170°	2585.4	2585.4	2585.4	2585.4	2585.4	2563.8	2535.1	2520.7	2520.3	2519.6	2519.1
172.5°	2565.2	2559.9	2565.2	2570.5	2571.8	2554.8	2532.1	2520.7	2520.7	2520.7	2520.7
175°	2553.1	2553.1	2553.1	2553.1	2553.1	2542.3	2527.9	2520.7	2524.2	2531.0	2536.1
177.5°	2542.1	2536.1	2542.1	2548.1	2549.6	2541.2	2529.8	2524.2	2526.8	2532.1	2536.1
180°	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1

TEST NUMBER: P936028

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0
2.5°	3865.1	3843.5	3843.5	3807.5	3793.0	3782.2	3764.2	3710.1	3695.7	3681.2	3702.9
5°	3897.6	3858.0	3829.1	3764.2	3710.1	3688.5	3620.0	3490.2	3403.6	3338.7	3302.7
7.5°	3904.8	3854.3	3800.2	3699.3	3569.5	3511.8	3302.7	3064.7	2999.8	2942.1	2906.0
10°	3897.6	3839.9	3764.2	3612.7	3306.3	3205.3	2996.2	2841.2	2801.5	2790.7	2801.5
12.5°	3872.3	3818.3	3713.7	3461.4	3032.3	2963.8	2841.2	2751.0	2743.8	2761.8	2859.2
15°	3829.1	3778.6	3656.0	3259.4	2880.8	2830.3	2743.8	2711.4	2751.0	2877.2	3169.3
17.5°	3785.8	3728.1	3576.7	3061.1	2765.5	2729.4	2668.1	2733.0	2956.5	3126.0	3223.4
20°	3728.1	3659.7	3486.5	2916.8	2682.5	2650.0	2621.2	2913.3	3082.8	3144.1	3198.1
22.5°	3659.7	3587.5	3363.9	2816.0	2596.0	2570.7	2588.7	3014.3	3082.8	3126.0	3172.9
25°	3569.5	3508.2	3219.8	2736.6	2527.5	2498.7	2567.2	3003.4	3043.1	3053.9	3147.6
27.5°	3486.5	3407.2	3068.3	2664.5	2444.6	2433.7	2585.2	2956.5	2985.4	2996.2	3097.1
30°	3385.6	3266.6	2898.8	2588.7	2358.1	2354.4	2588.7	2898.8	2891.6	2920.5	3021.5
32.5°	3281.1	3057.5	2707.7	2495.0	2275.1	2271.5	2563.5	2812.3	2805.1	2844.8	2920.5
35°	3183.7	2895.3	2448.2	2386.9	2170.6	2174.1	2502.2	2711.4	2715.0	2751.0	2797.9
37.5°	3082.8	2754.7	2163.3	2267.9	2069.6	2069.6	2419.3	2617.7	2610.4	2621.2	2686.2
40°	2963.8	2534.7	1911.0	2112.8	1975.8	1965.0	2318.4	2516.7	2491.4	2487.9	2578.0
42.5°	2837.5	2293.1	1723.5	1907.3	1867.7	1853.2	2195.8	2394.1	2347.2	2358.1	2473.4
45°	2700.5	2228.2	1579.2	1611.7	1755.9	1745.0	2062.3	2253.4	2221.0	2249.9	2368.9
47.5°	2563.5	2098.4	1532.4	1337.6	1636.9	1633.3	1914.5	2116.5	2098.4	2127.3	2253.4
50°	2376.1	1954.2	1528.7	1146.6	1503.5	1517.9	1737.9	1983.0	1983.0	2008.3	2141.6
52.5°	2134.5	1777.5	1388.1	1038.4	1348.4	1391.7	1582.9	1867.7	1874.9	1900.1	2019.1
55°	1914.5	1593.7	1287.1	955.5	1164.6	1258.3	1431.4	1748.7	1763.1	1788.3	1896.5
57.5°	1712.7	1326.8	1265.6	858.2	995.1	1085.3	1298.0	1633.3	1640.5	1662.2	1766.7
60°	1496.3	959.0	1161.0	753.5	847.3	915.8	1175.4	1496.3	1521.5	1535.9	1626.1
62.5°	1251.1	695.9	1052.8	681.4	775.2	789.7	1074.5	1366.5	1398.9	1409.8	1463.9
65°	890.5	584.1	894.2	620.2	699.5	703.1	966.3	1233.1	1261.9	1280.0	1319.6
67.5°	602.1	475.9	681.4	562.4	641.7	645.4	861.7	1078.0	1117.7	1132.1	1157.4
70°	418.3	317.3	504.8	501.2	576.9	584.1	750.0	937.5	973.5	984.3	998.7
72.5°	306.5	256.0	418.3	450.7	508.4	515.6	634.6	778.8	814.9	825.7	832.9
75°	234.3	270.4	338.9	393.0	432.6	436.3	519.2	634.6	659.9	667.0	670.6
77.5°	187.5	252.4	248.8	317.3	353.3	346.1	407.4	490.4	511.9	511.9	511.9
80°	140.6	198.3	187.5	227.1	259.6	252.4	292.1	349.8	356.9	364.1	360.6
82.5°	104.5	126.2	126.2	144.2	173.1	165.8	194.7	227.1	227.1	227.1	234.3
85°	64.9	72.1	57.7	75.7	97.3	93.8	108.2	122.6	126.2	126.2	119.0
87.5°	39.7	32.5	18.0	28.8	43.3	43.3	50.5	54.1	50.5	50.5	50.5
90°	44.3	30.7	17.0	30.7	44.3	47.7	74.9	111.2	129.4	115.0	86.2
92.5°	299.5	183.7	68.0	183.7	299.5	328.5	461.8	639.6	728.4	638.4	458.4
95°	587.0	375.1	163.4	375.1	587.0	639.9	1136.4	1798.4	2129.3	1900.0	1441.7
97.5°	656.2	469.4	282.5	469.4	656.2	703.0	1530.7	2634.4	3186.2	3041.4	2751.7
100°	713.3	543.9	374.4	543.9	713.3	755.7	1674.3	2898.9	3511.3	3521.8	3543.0
102.5°	768.9	610.8	452.7	610.8	768.9	808.5	1740.0	2982.2	3603.3	3787.8	4157.0
105°	853.3	719.4	585.5	719.4	853.3	886.8	1788.9	2991.6	3593.0	4006.8	4834.4
107.5°	971.3	846.5	721.7	846.5	971.3	1002.5	1797.9	2858.4	3388.8	3965.9	5120.3
110°	1039.0	926.3	813.6	926.3	1039.0	1067.2	1784.3	2740.5	3218.6	3863.9	5154.4

TEST NUMBER: P936028

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1118.7	1011.2	903.8	1011.2	1118.7	1145.5	1784.9	2637.4	3063.7	3724.1	5044.8
115°	1238.2	1139.0	1040.0	1139.0	1238.2	1262.9	1801.4	2519.2	2878.2	3514.4	4786.7
117.5°	1354.4	1264.4	1174.4	1264.4	1354.4	1376.9	1834.7	2445.2	2750.5	3324.6	4473.0
120°	1422.1	1337.4	1252.7	1337.4	1422.1	1443.3	1862.0	2420.3	2699.4	3224.0	4273.2
122.5°	1500.3	1414.8	1329.3	1414.8	1500.3	1521.6	1901.2	2407.3	2660.3	3132.7	4077.5
125°	1602.6	1524.6	1446.8	1524.6	1602.6	1622.1	1954.0	2396.5	2617.8	3019.1	3821.7
127.5°	1699.4	1620.7	1542.0	1620.7	1699.4	1719.0	2006.7	2390.3	2582.0	2926.6	3615.7
130°	1762.5	1677.8	1593.1	1677.8	1762.5	1783.7	2045.2	2394.0	2568.4	2875.1	3488.6
132.5°	1815.3	1730.6	1645.9	1730.6	1815.3	1836.5	2076.4	2396.4	2556.4	2831.1	3380.3
135°	1878.5	1801.3	1724.1	1801.3	1878.5	1897.8	2110.5	2394.3	2536.1	2766.0	3225.9
137.5°	1957.0	1880.6	1804.2	1880.6	1957.0	1976.1	2161.6	2408.9	2532.6	2727.0	3115.9
140°	2011.3	1940.9	1870.6	1940.9	2011.3	2028.9	2192.8	2411.4	2520.7	2688.6	3024.5
142.5°	2051.7	1986.6	1921.6	1986.6	2051.7	2068.0	2218.9	2420.1	2520.7	2668.2	2963.2
145°	2113.4	2056.7	1999.9	2056.7	2113.4	2127.5	2252.9	2420.1	2503.7	2624.3	2865.6
147.5°	2188.6	2133.4	2078.2	2133.4	2188.6	2202.4	2302.8	2436.7	2503.7	2598.7	2788.5
150°	2229.2	2179.2	2129.3	2179.2	2229.2	2241.6	2328.9	2445.5	2503.7	2583.9	2744.3
152.5°	2257.6	2219.9	2182.0	2219.9	2257.6	2267.1	2346.0	2451.1	2503.7	2572.2	2709.1
155°	2316.3	2288.4	2260.4	2288.4	2316.3	2323.3	2383.4	2463.6	2503.7	2558.2	2667.1
157.5°	2372.6	2345.4	2318.2	2345.4	2372.6	2379.4	2420.8	2476.0	2503.7	2546.1	2630.8
160°	2399.7	2378.5	2357.3	2378.5	2399.7	2405.0	2437.9	2481.8	2503.7	2540.0	2612.6
162.5°	2428.2	2412.4	2396.4	2412.4	2428.2	2432.2	2456.0	2487.8	2503.7	2534.3	2595.6
165°	2467.8	2453.4	2439.0	2453.4	2467.8	2471.4	2482.1	2496.5	2503.7	2525.6	2569.5
167.5°	2491.8	2485.0	2478.2	2485.0	2491.8	2493.5	2502.6	2514.7	2520.7	2535.1	2563.8
170°	2517.3	2510.5	2503.7	2510.5	2517.3	2519.1	2519.6	2520.3	2520.7	2535.1	2563.8
172.5°	2520.3	2518.8	2517.3	2518.8	2520.3	2520.7	2520.7	2520.7	2520.7	2532.1	2554.8
175°	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2531.0	2524.2	2520.7	2527.9	2542.3
177.5°	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2532.1	2526.8	2524.2	2529.8	2541.2
180°	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1

TEST NUMBER: P936028

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0	3811.0
2.5°	3677.7	3666.8	3681.2	3641.5	3681.2	3666.8	3677.7	3702.9	3681.2	3695.7	3710.1
5°	3226.9	3208.9	3151.3	3104.4	3151.3	3208.9	3226.9	3302.7	3338.7	3403.6	3490.2
7.5°	2884.5	2870.0	2855.6	2826.7	2855.6	2870.0	2884.5	2906.0	2942.1	2999.8	3064.7
10°	2808.7	2812.3	2834.0	2830.3	2834.0	2812.3	2808.7	2801.5	2790.7	2801.5	2841.2
12.5°	3003.4	3035.8	3154.8	3147.6	3154.8	3035.8	3003.4	2859.2	2761.8	2743.8	2751.0
15°	3226.9	3237.8	3263.0	3266.6	3263.0	3237.8	3226.9	3169.3	2877.2	2751.0	2711.4
17.5°	3248.6	3252.2	3270.2	3270.2	3270.2	3252.2	3248.6	3223.4	3126.0	2956.5	2733.0
20°	3230.6	3237.8	3273.8	3281.1	3273.8	3237.8	3230.6	3198.1	3144.1	3082.8	2913.3
22.5°	3223.4	3237.8	3266.6	3263.0	3266.6	3237.8	3223.4	3172.9	3126.0	3082.8	3014.3
25°	3187.3	3187.3	3190.9	3194.5	3190.9	3187.3	3187.3	3147.6	3053.9	3043.1	3003.4
27.5°	3111.6	3118.8	3140.4	3136.8	3140.4	3118.8	3111.6	3097.1	2996.2	2985.4	2956.5
30°	3043.1	3035.8	3017.8	3003.4	3017.8	3035.8	3043.1	3021.5	2920.5	2891.6	2898.8
32.5°	2927.7	2909.7	2891.6	2880.8	2891.6	2909.7	2927.7	2920.5	2844.8	2805.1	2812.3
35°	2790.7	2794.3	2790.7	2779.9	2790.7	2794.3	2790.7	2797.9	2751.0	2715.0	2711.4
37.5°	2693.3	2700.5	2697.0	2682.5	2697.0	2700.5	2693.3	2686.2	2621.2	2610.4	2617.7
40°	2592.4	2596.0	2592.4	2581.5	2592.4	2596.0	2592.4	2578.0	2487.9	2491.4	2516.7
42.5°	2495.0	2491.4	2480.6	2473.4	2480.6	2491.4	2495.0	2473.4	2358.1	2347.2	2394.1
45°	2383.2	2386.9	2365.2	2354.4	2365.2	2386.9	2383.2	2368.9	2249.9	2221.0	2253.4
47.5°	2271.5	2271.5	2253.4	2242.6	2253.4	2271.5	2271.5	2253.4	2127.3	2098.4	2116.5
50°	2152.5	2148.9	2123.6	2120.1	2123.6	2148.9	2152.5	2141.6	2008.3	1983.0	1983.0
52.5°	2015.5	2015.5	2019.1	2026.3	2019.1	2015.5	2015.5	2019.1	1900.1	1874.9	1867.7
55°	1896.5	1900.1	1925.3	1932.5	1925.3	1900.1	1896.5	1896.5	1788.3	1763.1	1748.7
57.5°	1773.9	1773.9	1792.0	1792.0	1792.0	1773.9	1773.9	1766.7	1662.2	1640.5	1633.3
60°	1633.3	1640.5	1654.9	1651.4	1654.9	1640.5	1633.3	1626.1	1535.9	1521.5	1496.3
62.5°	1485.4	1492.7	1496.3	1489.1	1496.3	1492.7	1485.4	1463.9	1409.8	1398.9	1366.5
65°	1330.4	1337.6	1341.3	1334.1	1341.3	1337.6	1330.4	1319.6	1280.0	1261.9	1233.1
67.5°	1171.8	1168.2	1164.6	1179.0	1164.6	1168.2	1171.8	1157.4	1132.1	1117.7	1078.0
70°	1009.5	1009.5	1006.0	1013.2	1006.0	1009.5	1009.5	998.7	984.3	973.5	937.5
72.5°	836.5	832.9	847.3	836.5	847.3	832.9	836.5	832.9	825.7	814.9	778.8
75°	667.0	674.2	667.0	677.9	667.0	674.2	667.0	670.6	667.0	659.9	634.6
77.5°	508.4	515.6	508.4	508.4	508.4	515.6	508.4	511.9	511.9	511.9	490.4
80°	360.6	356.9	356.9	353.3	356.9	356.9	360.6	360.6	364.1	356.9	349.8
82.5°	230.8	227.1	227.1	234.3	227.1	227.1	230.8	234.3	227.1	227.1	227.1
85°	126.2	129.8	122.6	122.6	122.6	129.8	126.2	119.0	126.2	126.2	122.6
87.5°	46.8	43.3	43.3	43.3	43.3	43.3	46.8	50.5	50.5	50.5	54.1
90°	64.7	64.7	64.7	64.7	64.7	64.7	64.7	86.2	115.0	129.4	111.2
92.5°	323.4	310.6	259.1	207.7	259.1	310.6	323.4	458.4	638.4	728.4	639.6
95°	1097.8	1058.9	903.0	747.2	903.0	1058.9	1097.8	1441.7	1900.0	2129.3	1798.4
97.5°	2534.3	2460.2	2163.7	1867.1	2163.7	2460.2	2534.3	2751.7	3041.4	3186.2	2634.4
100°	3559.0	3470.6	3117.4	2764.1	3117.4	3470.6	3559.0	3543.0	3521.8	3511.3	2898.9
102.5°	4433.8	4358.2	4055.6	3753.0	4055.6	4358.2	4433.8	4157.0	3787.8	3603.3	2982.2
105°	5455.0	5414.3	5251.8	5089.1	5251.8	5414.3	5455.0	4834.4	4006.8	3593.0	2991.6
107.5°	5986.0	5995.9	6035.3	6074.6	6035.3	5995.9	5986.0	5120.3	3965.9	3388.8	2858.4
110°	6122.2	6164.6	6334.1	6503.5	6334.1	6164.6	6122.2	5154.4	3863.9	3218.6	2740.5

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6035.4	6100.5	6360.7	6621.0	6360.7	6100.5	6035.4	5044.8	3724.1	3063.7	2637.4
115°	5741.0	5831.2	6192.0	6552.8	6192.0	5831.2	5741.0	4786.7	3514.4	2878.2	2519.2
117.5°	5334.2	5434.3	5834.4	6234.6	5834.4	5434.3	5334.2	4473.0	3324.6	2750.5	2445.2
120°	5060.1	5157.4	5546.1	5935.0	5546.1	5157.4	5060.1	4273.2	3224.0	2699.4	2420.3
122.5°	4786.1	4882.0	5265.6	5649.1	5265.6	4882.0	4786.1	4077.5	3132.7	2660.3	2407.3
125°	4423.6	4511.9	4865.2	5218.5	4865.2	4511.9	4423.6	3821.7	3019.1	2617.8	2396.5
127.5°	4132.6	4207.1	4505.2	4803.2	4505.2	4207.1	4132.6	3615.7	2926.6	2582.0	2390.3
130°	3948.7	4017.6	4292.9	4568.3	4292.9	4017.6	3948.7	3488.6	2875.1	2568.4	2394.0
132.5°	3792.2	3853.9	4100.4	4347.0	4100.4	3853.9	3792.2	3380.3	2831.1	2556.4	2396.4
135°	3570.9	3624.0	3836.6	4049.2	3836.6	3624.0	3570.9	3225.9	2766.0	2536.1	2394.3
137.5°	3407.5	3451.0	3625.0	3798.9	3625.0	3451.0	3407.5	3115.9	2727.0	2532.6	2408.9
140°	3276.4	3317.1	3479.7	3642.4	3479.7	3317.1	3276.4	3024.5	2688.6	2520.7	2411.4
142.5°	3184.5	3219.6	3359.5	3499.4	3359.5	3219.6	3184.5	2963.2	2668.2	2520.7	2420.1
145°	3046.6	3073.1	3179.1	3285.0	3179.1	3073.1	3046.6	2865.6	2624.3	2503.7	2420.1
147.5°	2930.9	2952.9	3040.6	3128.3	3040.6	2952.9	2930.9	2788.5	2598.7	2503.7	2436.7
150°	2864.5	2882.3	2953.4	3024.5	2953.4	2882.3	2864.5	2744.3	2583.9	2503.7	2445.5
152.5°	2811.8	2825.2	2878.9	2932.6	2878.9	2825.2	2811.8	2709.1	2572.2	2503.7	2451.1
155°	2748.8	2757.7	2793.2	2828.8	2793.2	2757.7	2748.8	2667.1	2558.2	2503.7	2463.6
157.5°	2694.3	2700.6	2725.5	2750.5	2725.5	2700.6	2694.3	2630.8	2546.1	2503.7	2476.0
160°	2667.1	2670.7	2685.1	2699.4	2685.1	2670.7	2667.1	2612.6	2540.0	2503.7	2481.8
162.5°	2641.6	2645.0	2658.6	2672.2	2658.6	2645.0	2641.6	2595.6	2534.3	2503.7	2487.8
165°	2602.4	2606.0	2620.4	2634.8	2620.4	2606.0	2602.4	2569.5	2525.6	2503.7	2496.5
167.5°	2585.4	2586.9	2592.9	2599.0	2592.9	2586.9	2585.4	2563.8	2535.1	2520.7	2514.7
170°	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2563.8	2535.1	2520.7	2520.3
172.5°	2571.8	2570.5	2565.2	2559.9	2565.2	2570.5	2571.8	2554.8	2532.1	2520.7	2520.7
175°	2553.1	2553.1	2553.1	2553.1	2553.1	2553.1	2553.1	2542.3	2527.9	2520.7	2524.2
177.5°	2549.6	2548.1	2542.1	2536.1	2542.1	2548.1	2549.6	2541.2	2529.8	2524.2	2526.8
180°	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1	2536.1

TEST NUMBER: P936028

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3811.0	3811.0	3811.0	3811.0	3811.0
2.5°	3764.2	3782.2	3793.0	3807.5	3843.5
5°	3620.0	3688.5	3710.1	3764.2	3829.1
7.5°	3302.7	3511.8	3569.5	3699.3	3800.2
10°	2996.2	3205.3	3306.3	3612.7	3764.2
12.5°	2841.2	2963.8	3032.3	3461.4	3713.7
15°	2743.8	2830.3	2880.8	3259.4	3656.0
17.5°	2668.1	2729.4	2765.5	3061.1	3576.7
20°	2621.2	2650.0	2682.5	2916.8	3486.5
22.5°	2588.7	2570.7	2596.0	2816.0	3363.9
25°	2567.2	2498.7	2527.5	2736.6	3219.8
27.5°	2585.2	2433.7	2444.6	2664.5	3068.3
30°	2588.7	2354.4	2358.1	2588.7	2898.8
32.5°	2563.5	2271.5	2275.1	2495.0	2707.7
35°	2502.2	2174.1	2170.6	2386.9	2448.2
37.5°	2419.3	2069.6	2069.6	2267.9	2163.3
40°	2318.4	1965.0	1975.8	2112.8	1911.0
42.5°	2195.8	1853.2	1867.7	1907.3	1723.5
45°	2062.3	1745.0	1755.9	1611.7	1579.2
47.5°	1914.5	1633.3	1636.9	1337.6	1532.4
50°	1737.9	1517.9	1503.5	1146.6	1528.7
52.5°	1582.9	1391.7	1348.4	1038.4	1388.1
55°	1431.4	1258.3	1164.6	955.5	1287.1
57.5°	1298.0	1085.3	995.1	858.2	1265.6
60°	1175.4	915.8	847.3	753.5	1161.0
62.5°	1074.5	789.7	775.2	681.4	1052.8
65°	966.3	703.1	699.5	620.2	894.2
67.5°	861.7	645.4	641.7	562.4	681.4
70°	750.0	584.1	576.9	501.2	504.8
72.5°	634.6	515.6	508.4	450.7	418.3
75°	519.2	436.3	432.6	393.0	338.9
77.5°	407.4	346.1	353.3	317.3	248.8
80°	292.1	252.4	259.6	227.1	187.5
82.5°	194.7	165.8	173.1	144.2	126.2
85°	108.2	93.8	97.3	75.7	57.7
87.5°	50.5	43.3	43.3	28.8	18.0
90°	74.9	47.7	44.3	30.7	17.0
92.5°	461.8	328.5	299.5	183.7	68.0
95°	1136.4	639.9	587.0	375.1	163.4
97.5°	1530.7	703.0	656.2	469.4	282.5
100°	1674.3	755.7	713.3	543.9	374.4
102.5°	1740.0	808.5	768.9	610.8	452.7
105°	1788.9	886.8	853.3	719.4	585.5
107.5°	1797.9	1002.5	971.3	846.5	721.7
110°	1784.3	1067.2	1039.0	926.3	813.6

TEST NUMBER: P936028

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1784.9	1145.5	1118.7	1011.2	903.8
115°	1801.4	1262.9	1238.2	1139.0	1040.0
117.5°	1834.7	1376.9	1354.4	1264.4	1174.4
120°	1862.0	1443.3	1422.1	1337.4	1252.7
122.5°	1901.2	1521.6	1500.3	1414.8	1329.3
125°	1954.0	1622.1	1602.6	1524.6	1446.8
127.5°	2006.7	1719.0	1699.4	1620.7	1542.0
130°	2045.2	1783.7	1762.5	1677.8	1593.1
132.5°	2076.4	1836.5	1815.3	1730.6	1645.9
135°	2110.5	1897.8	1878.5	1801.3	1724.1
137.5°	2161.6	1976.1	1957.0	1880.6	1804.2
140°	2192.8	2028.9	2011.3	1940.9	1870.6
142.5°	2218.9	2068.0	2051.7	1986.6	1921.6
145°	2252.9	2127.5	2113.4	2056.7	1999.9
147.5°	2302.8	2202.4	2188.6	2133.4	2078.2
150°	2328.9	2241.6	2229.2	2179.2	2129.3
152.5°	2346.0	2267.1	2257.6	2219.9	2182.0
155°	2383.4	2323.3	2316.3	2288.4	2260.4
157.5°	2420.8	2379.4	2372.6	2345.4	2318.2
160°	2437.9	2405.0	2399.7	2378.5	2357.3
162.5°	2456.0	2432.2	2428.2	2412.4	2396.4
165°	2482.1	2471.4	2467.8	2453.4	2439.0
167.5°	2502.6	2493.5	2491.8	2485.0	2478.2
170°	2519.6	2519.1	2517.3	2510.5	2503.7
172.5°	2520.7	2520.7	2520.3	2518.8	2517.3
175°	2531.0	2536.1	2536.1	2536.1	2536.1
177.5°	2532.1	2536.1	2536.1	2536.1	2536.1
180°	2536.1	2536.1	2536.1	2536.1	2536.1

TEST NUMBER: P936028

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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	12.11	12.87	13.17	13.93	15.37	14.96	15.72	16.02	16.78	18.22
	3H	12.58	13.26	13.65	14.33	15.79	16.31	16.99	17.37	18.06	19.51
	4H	12.77	13.41	13.84	14.48	15.95	16.75	17.40	17.83	18.47	19.93
	6H	12.88	13.47	13.97	14.55	16.02	17.04	17.63	18.12	18.70	20.18
	8H	12.88	13.44	13.97	14.53	16.00	17.11	17.67	18.20	18.77	20.24
	12H	12.85	13.38	13.94	14.47	15.96	17.15	17.68	18.24	18.77	20.26
4H	2H	13.14	13.78	14.22	14.85	16.32	15.36	16.00	16.44	17.07	18.54
	3H	14.15	14.69	15.25	15.79	17.27	16.86	17.40	17.95	18.50	19.97
	4H	14.43	14.92	15.52	16.01	17.50	17.39	17.88	18.49	18.97	20.47
	6H	14.54	14.97	15.65	16.08	17.57	17.75	18.18	18.86	19.29	20.78
	8H	14.55	14.94	15.65	16.05	17.55	17.86	18.26	18.97	19.36	20.87
	12H	14.51	14.87	15.63	15.98	17.50	17.92	18.27	19.04	19.39	20.90
8H	4H	14.87	15.27	15.98	16.37	17.88	17.50	17.90	18.61	19.00	20.51
	6H	15.13	15.46	16.26	16.60	18.11	17.94	18.27	19.07	19.41	20.92
	8H	15.17	15.46	16.31	16.59	18.11	18.10	18.38	19.23	19.51	21.03
	12H	15.15	15.40	16.29	16.53	18.09	18.19	18.45	19.33	19.57	21.13
12H	4H	14.88	15.23	16.00	16.35	17.86	17.46	17.82	18.59	18.94	20.45
	6H	15.19	15.48	16.33	16.60	18.13	17.94	18.22	19.07	19.35	20.87
	8H	15.25	15.51	16.39	16.63	18.19	18.10	18.35	19.24	19.47	21.03

END OF REPORT