

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: P936173

Luminaire Tested: SQ4-FA-150U-125D-940-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936173
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-940-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

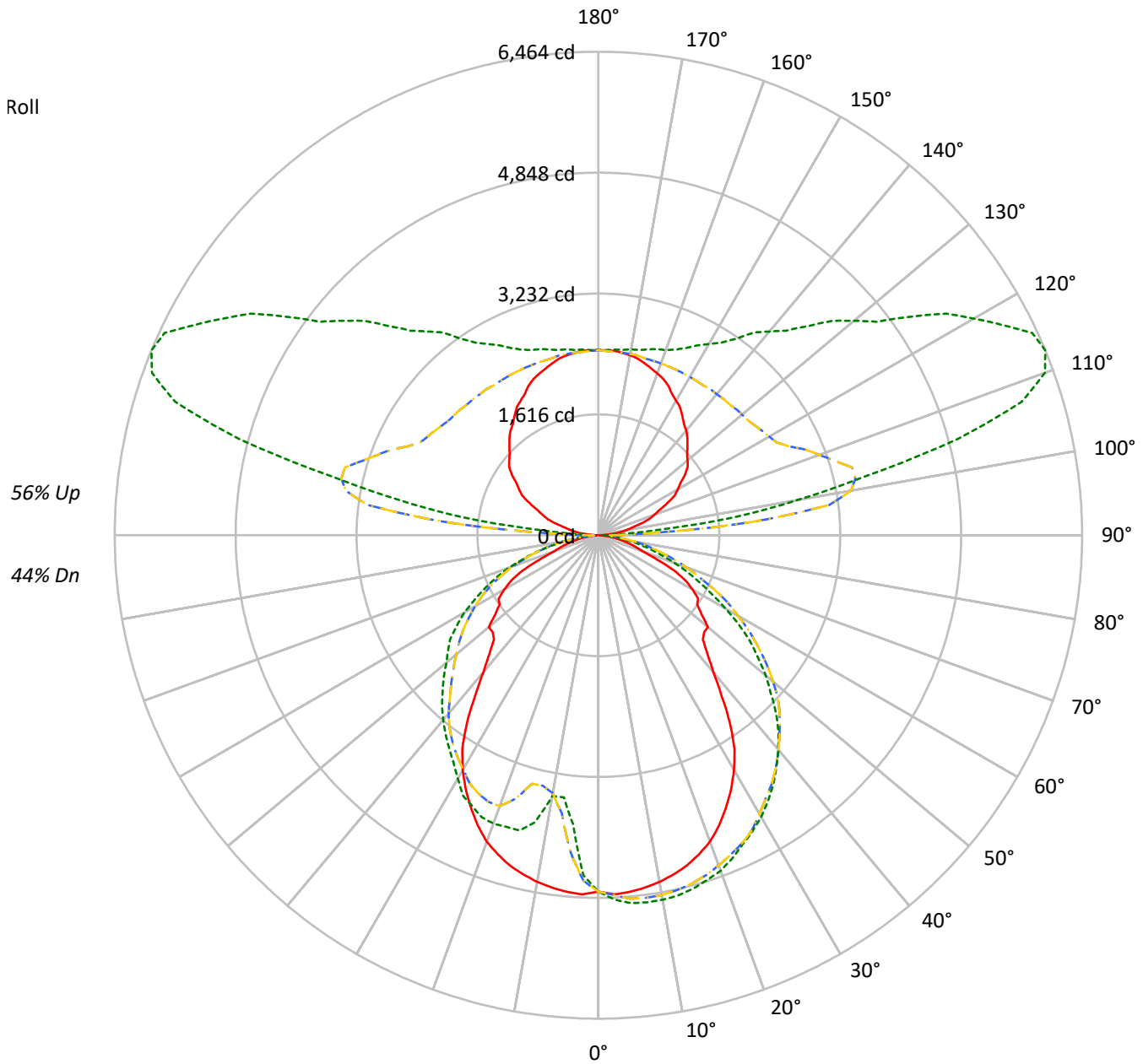
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28413.3 lumens
Efficiency: N/A
Efficacy: 113.8 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°	14739	14739	14739	14739
5°	14854	14878	14854	11698
10°	14760	14655	14760	10478
15°	14605	14338	14605	11972
20°	14306	13962	14306	11997
25°	13686	13413	13686	11743
30°	12883	12957	12883	11185
35°	11491	12382	11491	10572
40°	9580	11703	9580	10108
45°	8566	10909	8566	9575
50°	9107	9963	9107	9040
55°	8576	8942	8576	8731
60°	8852	7595	8852	7997
65°	8039	6278	8039	7018
70°	5580	5003	5580	5882
75°	4912	3698	4912	4429
80°	3987	2445	3987	2663
85°	2336	1296	2336	1101

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13120 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.1	1.5
10°-20°	1221.2	4.3
20°-30°	1887.8	6.6
30°-40°	2253.6	7.9
40°-50°	2266.9	8.0
50°-60°	1972.4	6.9
60°-70°	1398.5	4.9
70°-80°	739.9	2.6
80°-90°	193.7	0.7
90°-100°	1206.8	4.2
100°-110°	3172.7	11.2
110°-120°	3289.8	11.6
120°-130°	2638.8	9.3
130°-140°	2070.5	7.3
140°-150°	1589.2	5.6
150°-160°	1144.5	4.0
160°-170°	700.3	2.5
170°-180°	236.6	0.8
0°-30°	3539.2	12.5
0°-40°	5792.8	20.4
0°-60°	10032.1	35.3
0°-90°	12364.2	43.5
90°-120°	7669.3	27.0
90°-150°	13967.8	49.2
90°-180°	16049.0	56.5
0°-180°	28413.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4765	4765	4765	4765	4765	
5°	4788	4936	4788	3881	4788	454
15°	4571	4891	4571	4084	4571	1286
25°	4026	4562	4026	3994	4026	1848
35°	3061	4071	3061	3476	3061	1894
45°	1974	3354	1974	2944	1974	1582
55°	1609	2475	1609	2416	1609	1479
65°	1118	1492	1118	1668	1118	1069
75°	424	708	424	848	424	446
85°	72	180	72	153	72	97
90°	17	63	17	63	17	17
95°	160	729	160	729	160	177
105°	572	4968	572	4968	572	606
115°	1015	6397	1015	6397	1015	1003
125°	1412	5094	1412	5094	1412	1254
135°	1683	3953	1683	3953	1683	1302
145°	1952	3207	1952	3207	1952	1223
155°	2207	2762	2207	2762	2207	1014
165°	2381	2572	2381	2572	2381	672
175°	2476	2492	2476	2492	2476	235
180°	2476	2476	2476	2476	2476	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4805.6	4805.6	4832.6	4841.6	4841.6	4828.1	4814.6	4828.1	4868.6	4882.2	4877.7
5°	4787.5	4823.6	4873.2	4882.2	4891.2	4886.7	4877.7	4886.7	4931.8	4940.8	4945.3
7.5°	4751.4	4819.1	4882.2	4895.7	4909.2	4895.7	4891.2	4900.3	4945.3	4954.3	4954.3
10°	4706.4	4801.1	4873.2	4882.2	4895.7	4882.2	4882.2	4900.3	4945.3	4954.3	4958.9
12.5°	4643.3	4774.0	4841.6	4850.6	4868.6	4864.1	4859.7	4877.7	4922.7	4931.8	4931.8
15°	4571.2	4724.4	4787.5	4796.5	4828.1	4819.1	4819.1	4837.1	4886.7	4900.3	4895.7
17.5°	4472.0	4661.3	4733.4	4747.0	4769.4	4765.0	4769.4	4787.5	4832.6	4841.6	4846.1
20°	4359.3	4575.6	4661.3	4674.8	4697.3	4697.3	4697.3	4719.9	4765.0	4783.0	4783.0
22.5°	4206.0	4485.5	4575.6	4584.7	4611.7	4611.7	4620.7	4652.2	4692.8	4697.3	4697.3
25°	4025.7	4386.3	4462.9	4490.0	4517.1	4530.6	4544.1	4562.1	4575.6	4571.2	4575.6
27.5°	3836.3	4260.1	4359.3	4377.3	4413.4	4426.9	4444.9	4449.4	4453.9	4467.4	4458.5
30°	3624.5	4084.3	4233.0	4251.0	4309.6	4318.7	4300.7	4309.6	4332.2	4341.3	4350.2
32.5°	3385.5	3822.8	4102.3	4142.9	4197.0	4170.0	4165.4	4178.9	4215.0	4215.0	4224.0
35°	3060.9	3619.9	3980.5	4016.6	4057.2	4025.7	4043.7	4048.2	4070.8	4084.3	4079.7
37.5°	2704.8	3444.1	3854.4	3881.4	3913.0	3872.4	3899.5	3913.0	3931.0	3921.9	3921.9
40°	2389.3	3169.1	3705.6	3723.7	3750.6	3719.1	3746.2	3755.2	3764.2	3755.2	3750.6
42.5°	2154.8	2867.1	3547.8	3570.4	3552.4	3574.8	3583.9	3601.9	3588.4	3570.4	3570.4
45°	1974.5	2785.9	3376.5	3403.5	3376.5	3412.6	3426.1	3426.1	3385.5	3376.5	3372.0
47.5°	1915.9	2623.7	3205.2	3205.2	3191.6	3236.8	3259.3	3227.7	3187.2	3173.6	3173.6
50°	1911.4	2443.3	2970.8	2952.8	3015.8	3070.0	3047.4	3015.8	2984.3	2934.8	2934.8
52.5°	1735.6	2222.5	2668.7	2736.4	2835.6	2867.1	2831.0	2799.5	2745.3	2722.9	2704.8
55°	1609.3	1992.6	2393.8	2529.0	2632.7	2673.2	2605.7	2574.0	2493.0	2479.4	2470.4
57.5°	1582.3	1659.0	2141.3	2312.6	2438.8	2434.4	2393.8	2335.2	2267.5	2254.0	2249.5
60°	1451.6	1199.2	1870.8	2073.7	2204.5	2190.9	2154.8	2100.7	2037.6	2028.6	2019.6
62.5°	1316.4	870.1	1564.3	1794.2	1979.0	1974.5	1942.9	1861.8	1816.8	1794.2	1776.2
65°	1118.0	730.3	1113.5	1492.2	1758.2	1767.1	1699.5	1640.9	1591.3	1564.3	1559.8
67.5°	852.0	595.0	752.8	1244.2	1546.3	1537.2	1451.6	1424.5	1361.4	1347.9	1320.8
70°	631.1	396.7	522.9	1009.8	1338.8	1316.4	1248.7	1217.2	1158.6	1127.0	1108.9
72.5°	522.9	320.0	383.2	784.4	1127.0	1100.0	1041.4	1005.3	955.7	928.7	910.6
75°	423.8	338.1	293.0	581.6	915.1	897.1	843.0	806.9	766.3	730.3	734.8
77.5°	311.1	315.6	234.4	428.3	725.8	698.8	667.2	622.1	604.1	568.1	568.1
80°	234.4	247.9	175.8	293.0	522.9	522.9	495.9	464.3	432.8	414.7	414.7
82.5°	157.8	157.8	130.7	184.8	356.2	342.6	324.6	315.6	297.6	288.5	288.5
85°	72.1	90.1	81.2	112.7	193.9	202.8	202.8	193.9	189.3	180.4	184.8
87.5°	22.6	40.6	49.6	63.1	99.2	103.7	108.2	108.2	108.2	112.7	112.7
90°	16.6	29.9	43.2	46.5	73.1	108.5	126.3	112.2	84.2	63.1	63.1
92.5°	66.4	179.4	292.4	320.7	450.8	624.4	711.1	623.2	447.5	315.7	303.2
95°	159.5	366.2	573.0	624.7	1109.4	1755.6	2078.6	1854.9	1407.4	1071.7	1033.7
97.5°	275.8	458.2	640.6	686.2	1494.3	2571.7	3110.4	2969.0	2686.2	2474.1	2401.7
100°	365.5	530.9	696.4	737.8	1634.5	2830.0	3427.8	3438.1	3458.8	3474.3	3388.1
102.5°	442.0	596.3	750.6	789.3	1698.7	2911.2	3517.5	3697.7	4058.1	4328.4	4254.5
105°	571.6	702.3	833.0	865.7	1746.3	2920.5	3507.5	3911.5	4719.4	5325.2	5285.6
107.5°	704.5	826.4	948.2	978.7	1755.1	2790.5	3308.2	3871.6	4998.5	5843.7	5853.3
110°	794.2	904.3	1014.3	1041.8	1741.9	2675.3	3142.0	3772.0	5031.8	5976.6	6018.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	882.3	987.2	1092.1	1118.3	1742.4	2574.7	2990.8	3635.5	4924.8	5891.9	5955.4
115°	1015.3	1112.0	1208.7	1232.9	1758.5	2459.3	2809.7	3430.8	4672.8	5604.4	5692.5
117.5°	1146.5	1234.3	1322.2	1344.2	1791.1	2387.0	2685.0	3245.6	4366.6	5207.3	5305.0
120°	1222.9	1305.6	1388.3	1409.0	1817.7	2362.7	2635.2	3147.3	4171.6	4939.8	5034.7
122.5°	1297.6	1381.1	1464.6	1485.4	1856.0	2350.0	2597.0	3058.2	3980.5	4672.3	4765.9
125°	1412.4	1488.4	1564.5	1583.5	1907.5	2339.5	2555.5	2947.3	3730.8	4318.3	4404.6
127.5°	1505.3	1582.1	1659.0	1678.1	1958.9	2333.4	2520.6	2857.0	3529.7	4034.3	4107.0
130°	1555.2	1637.9	1720.6	1741.3	1996.6	2337.0	2507.3	2806.7	3405.7	3854.8	3922.0
132.5°	1606.7	1689.4	1772.1	1792.8	2027.0	2339.4	2495.6	2763.7	3299.9	3702.0	3762.2
135°	1683.1	1758.4	1833.8	1852.6	2060.3	2337.3	2475.7	2700.2	3149.2	3485.9	3537.8
137.5°	1761.3	1835.9	1910.4	1929.1	2110.2	2351.6	2472.4	2662.1	3041.8	3326.4	3368.9
140°	1826.1	1894.7	1963.5	1980.6	2140.6	2354.0	2460.7	2624.7	2952.6	3198.5	3238.2
142.5°	1875.9	1939.4	2002.9	2018.8	2166.1	2362.5	2460.7	2604.8	2892.7	3108.8	3143.0
145°	1952.4	2007.8	2063.1	2076.9	2199.3	2362.5	2444.1	2561.9	2797.5	2974.2	3000.0
147.5°	2028.7	2082.6	2136.5	2150.0	2248.1	2378.8	2444.1	2536.8	2722.2	2861.2	2882.6
150°	2078.6	2127.4	2176.1	2188.3	2273.5	2387.3	2444.1	2522.5	2679.0	2796.4	2813.7
152.5°	2130.1	2167.1	2203.9	2213.2	2290.2	2392.8	2444.1	2511.0	2644.6	2744.9	2758.0
155°	2206.6	2233.9	2261.2	2268.0	2326.7	2405.0	2444.1	2497.3	2603.7	2683.4	2692.1
157.5°	2263.1	2289.6	2316.2	2322.8	2363.2	2417.1	2444.1	2485.5	2568.2	2630.3	2636.4
160°	2301.3	2321.9	2342.6	2347.8	2379.9	2422.7	2444.1	2479.6	2550.4	2603.6	2607.2
162.5°	2339.4	2355.0	2370.4	2374.3	2397.6	2428.6	2444.1	2474.1	2533.9	2578.8	2582.0
165°	2381.0	2395.0	2409.1	2412.6	2423.1	2437.1	2444.1	2465.5	2508.3	2540.5	2544.0
167.5°	2419.3	2425.9	2432.5	2434.2	2443.1	2454.9	2460.7	2474.8	2502.8	2523.9	2525.4
170°	2444.1	2450.8	2457.5	2459.1	2459.7	2460.4	2460.7	2474.8	2502.8	2523.9	2523.9
172.5°	2457.5	2458.9	2460.4	2460.7	2460.7	2460.7	2460.7	2471.8	2494.0	2510.6	2509.3
175°	2475.7	2475.7	2475.7	2475.7	2470.8	2464.1	2460.7	2467.8	2481.8	2492.3	2492.3
177.5°	2475.7	2475.7	2475.7	2475.7	2471.8	2466.7	2464.1	2469.6	2480.7	2489.0	2487.5
180°	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4886.7	4873.2	4886.7	4877.7	4882.2	4868.6	4828.1	4814.6	4828.1	4841.6	4841.6
5°	4945.3	4936.3	4945.3	4945.3	4940.8	4931.8	4886.7	4877.7	4886.7	4891.2	4882.2
7.5°	4963.3	4949.8	4963.3	4954.3	4954.3	4945.3	4900.3	4891.2	4895.7	4909.2	4895.7
10°	4963.3	4949.8	4963.3	4958.9	4954.3	4945.3	4900.3	4882.2	4882.2	4895.7	4882.2
12.5°	4940.8	4931.8	4940.8	4931.8	4931.8	4922.7	4877.7	4859.7	4864.1	4868.6	4850.6
15°	4904.7	4891.2	4904.7	4895.7	4900.3	4886.7	4837.1	4819.1	4819.1	4828.1	4796.5
17.5°	4850.6	4832.6	4850.6	4846.1	4841.6	4832.6	4787.5	4769.4	4765.0	4769.4	4747.0
20°	4787.5	4774.0	4787.5	4783.0	4783.0	4765.0	4719.9	4697.3	4697.3	4697.3	4674.8
22.5°	4688.4	4674.8	4688.4	4697.3	4697.3	4692.8	4652.2	4620.7	4611.7	4611.7	4584.7
25°	4575.6	4562.1	4575.6	4575.6	4571.2	4575.6	4562.1	4544.1	4530.6	4517.1	4490.0
27.5°	4467.4	4458.5	4467.4	4458.5	4467.4	4453.9	4449.4	4444.9	4426.9	4413.4	4377.3
30°	4359.3	4350.2	4359.3	4350.2	4341.3	4332.2	4309.6	4300.7	4318.7	4309.6	4251.0
32.5°	4224.0	4215.0	4224.0	4224.0	4215.0	4215.0	4178.9	4165.4	4170.0	4197.0	4142.9
35°	4084.3	4070.8	4084.3	4079.7	4084.3	4070.8	4048.2	4043.7	4025.7	4057.2	4016.6
37.5°	3921.9	3908.4	3921.9	3921.9	3921.9	3931.0	3913.0	3899.5	3872.4	3913.0	3881.4
40°	3755.2	3737.1	3755.2	3750.6	3755.2	3764.2	3755.2	3746.2	3719.1	3750.6	3723.7
42.5°	3565.9	3561.3	3565.9	3570.4	3570.4	3588.4	3601.9	3583.9	3574.8	3552.4	3570.4
45°	3362.9	3354.0	3362.9	3372.0	3376.5	3385.5	3426.1	3426.1	3412.6	3376.5	3403.5
47.5°	3146.6	3124.1	3146.6	3173.6	3173.6	3187.2	3227.7	3259.3	3236.8	3191.6	3205.2
50°	2916.7	2921.2	2916.7	2934.8	2934.8	2984.3	3015.8	3047.4	3070.0	3015.8	2952.8
52.5°	2691.3	2686.8	2691.3	2704.8	2722.9	2745.3	2799.5	2831.0	2867.1	2835.6	2736.4
55°	2465.9	2474.9	2465.9	2470.4	2479.4	2493.0	2574.0	2605.7	2673.2	2632.7	2529.0
57.5°	2240.5	2226.9	2240.5	2249.5	2254.0	2267.5	2335.2	2393.8	2434.4	2438.8	2312.6
60°	1979.0	1961.0	1979.0	2019.6	2028.6	2037.6	2100.7	2154.8	2190.9	2204.5	2073.7
62.5°	1749.1	1717.6	1749.1	1776.2	1794.2	1816.8	1861.8	1942.9	1974.5	1979.0	1794.2
65°	1505.7	1492.2	1505.7	1559.8	1564.3	1591.3	1640.9	1699.5	1767.1	1758.2	1492.2
67.5°	1284.8	1284.8	1284.8	1320.8	1347.9	1361.4	1424.5	1451.6	1537.2	1546.3	1244.2
70°	1081.9	1077.4	1081.9	1108.9	1127.0	1158.6	1217.2	1248.7	1316.4	1338.8	1009.8
72.5°	888.1	883.6	888.1	910.6	928.7	955.7	1005.3	1041.4	1100.0	1127.0	784.4
75°	716.8	707.7	716.8	734.8	730.3	766.3	806.9	843.0	897.1	915.1	581.6
77.5°	549.9	549.9	549.9	568.1	568.1	604.1	622.1	667.2	698.8	725.8	428.3
80°	410.3	405.7	410.3	414.7	414.7	432.8	464.3	495.9	522.9	522.9	293.0
82.5°	288.5	279.5	288.5	288.5	288.5	297.6	315.6	324.6	342.6	356.2	184.8
85°	180.4	180.4	180.4	184.8	180.4	189.3	193.9	202.8	202.8	193.9	112.7
87.5°	117.2	112.7	117.2	112.7	112.7	108.2	108.2	108.2	103.7	99.2	63.1
90°	63.1	63.1	63.1	63.1	63.1	84.2	112.2	126.3	108.5	73.1	46.5
92.5°	252.9	202.7	252.9	303.2	315.7	447.5	623.2	711.1	624.4	450.8	320.7
95°	881.5	729.4	881.5	1033.7	1071.7	1407.4	1854.9	2078.6	1755.6	1109.4	624.7
97.5°	2112.2	1822.7	2112.2	2401.7	2474.1	2686.2	2969.0	3110.4	2571.7	1494.3	686.2
100°	3043.3	2698.4	3043.3	3388.1	3474.3	3458.8	3438.1	3427.8	2830.0	1634.5	737.8
102.5°	3959.1	3663.7	3959.1	4254.5	4328.4	4058.1	3697.7	3517.5	2911.2	1698.7	789.3
105°	5126.9	4968.1	5126.9	5285.6	5325.2	4719.4	3911.5	3507.5	2920.5	1746.3	865.7
107.5°	5891.7	5930.1	5891.7	5853.3	5843.7	4998.5	3871.6	3308.2	2790.5	1755.1	978.7
110°	6183.4	6348.8	6183.4	6018.0	5976.6	5031.8	3772.0	3142.0	2675.3	1741.9	1041.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6209.4	6463.5	6209.4	5955.4	5891.9	4924.8	3635.5	2990.8	2574.7	1742.4	1118.3
115°	6044.7	6397.0	6044.7	5692.5	5604.4	4672.8	3430.8	2809.7	2459.3	1758.5	1232.9
117.5°	5695.6	6086.3	5695.6	5305.0	5207.3	4366.6	3245.6	2685.0	2387.0	1791.1	1344.2
120°	5414.2	5793.8	5414.2	5034.7	4939.8	4171.6	3147.3	2635.2	2362.7	1817.7	1409.0
122.5°	5140.4	5514.7	5140.4	4765.9	4672.3	3980.5	3058.2	2597.0	2350.0	1856.0	1485.4
125°	4749.5	5094.4	4749.5	4404.6	4318.3	3730.8	2947.3	2555.5	2339.5	1907.5	1583.5
127.5°	4398.0	4688.9	4398.0	4107.0	4034.3	3529.7	2857.0	2520.6	2333.4	1958.9	1678.1
130°	4190.8	4459.6	4190.8	3922.0	3854.8	3405.7	2806.7	2507.3	2337.0	1996.6	1741.3
132.5°	4002.8	4243.6	4002.8	3762.2	3702.0	3299.9	2763.7	2495.6	2339.4	2027.0	1792.8
135°	3745.3	3952.8	3745.3	3537.8	3485.9	3149.2	2700.2	2475.7	2337.3	2060.3	1852.6
137.5°	3538.8	3708.6	3538.8	3368.9	3326.4	3041.8	2662.1	2472.4	2351.6	2110.2	1929.1
140°	3397.0	3555.7	3397.0	3238.2	3198.5	2952.6	2624.7	2460.7	2354.0	2140.6	1980.6
142.5°	3279.6	3416.1	3279.6	3143.0	3108.8	2892.7	2604.8	2460.7	2362.5	2166.1	2018.8
145°	3103.5	3206.8	3103.5	3000.0	2974.2	2797.5	2561.9	2444.1	2362.5	2199.3	2076.9
147.5°	2968.3	3053.9	2968.3	2882.6	2861.2	2722.2	2536.8	2444.1	2378.8	2248.1	2150.0
150°	2883.2	2952.6	2883.2	2813.7	2796.4	2679.0	2522.5	2444.1	2387.3	2273.5	2188.3
152.5°	2810.4	2862.8	2810.4	2758.0	2744.9	2644.6	2511.0	2444.1	2392.8	2290.2	2213.2
155°	2726.8	2761.5	2726.8	2692.1	2683.4	2603.7	2497.3	2444.1	2405.0	2326.7	2268.0
157.5°	2660.7	2685.0	2660.7	2636.4	2630.3	2568.2	2485.5	2444.1	2417.1	2363.2	2322.8
160°	2621.2	2635.2	2621.2	2607.2	2603.6	2550.4	2479.6	2444.1	2422.7	2379.9	2347.8
162.5°	2595.4	2608.7	2595.4	2582.0	2578.8	2533.9	2474.1	2444.1	2428.6	2397.6	2374.3
165°	2558.1	2572.1	2558.1	2544.0	2540.5	2508.3	2465.5	2444.1	2437.1	2423.1	2412.6
167.5°	2531.2	2537.2	2531.2	2525.4	2523.9	2502.8	2474.8	2460.7	2454.9	2443.1	2434.2
170°	2523.9	2523.9	2523.9	2523.9	2523.9	2502.8	2474.8	2460.7	2460.4	2459.7	2459.1
172.5°	2504.2	2499.0	2504.2	2509.3	2510.6	2494.0	2471.8	2460.7	2460.7	2460.7	2460.7
175°	2492.3	2492.3	2492.3	2492.3	2492.3	2481.8	2467.8	2460.7	2464.1	2470.8	2475.7
177.5°	2481.6	2475.7	2481.6	2487.5	2489.0	2480.7	2469.6	2464.1	2466.7	2471.8	2475.7
180°	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4832.6	4805.6	4805.6	4760.5	4742.5	4729.0	4706.4	4638.7	4620.7	4602.7	4629.8
5°	4873.2	4823.6	4787.5	4706.4	4638.7	4611.7	4526.0	4363.7	4255.6	4174.4	4129.4
7.5°	4882.2	4819.1	4751.4	4625.2	4462.9	4390.8	4129.4	3831.8	3750.6	3678.5	3633.4
10°	4873.2	4801.1	4706.4	4517.1	4133.8	4007.6	3746.2	3552.4	3502.7	3489.2	3502.7
12.5°	4841.6	4774.0	4643.3	4327.7	3791.2	3705.6	3552.4	3439.6	3430.6	3453.2	3574.8
15°	4787.5	4724.4	4571.2	4075.2	3601.9	3538.8	3430.6	3390.0	3439.6	3597.4	3962.5
17.5°	4733.4	4661.3	4472.0	3827.3	3457.7	3412.6	3335.9	3417.1	3696.6	3908.4	4030.2
20°	4661.3	4575.6	4359.3	3647.0	3354.0	3313.4	3277.3	3642.5	3854.4	3931.0	3998.6
22.5°	4575.6	4485.5	4206.0	3520.7	3245.8	3214.2	3236.8	3768.7	3854.4	3908.4	3967.1
25°	4462.9	4386.3	4025.7	3421.6	3160.1	3124.1	3209.7	3755.2	3804.7	3818.3	3935.5
27.5°	4359.3	4260.1	3836.3	3331.4	3056.4	3042.9	3232.2	3696.6	3732.6	3746.2	3872.4
30°	4233.0	4084.3	3624.5	3236.8	2948.2	2943.7	3236.8	3624.5	3615.4	3651.5	3777.7
32.5°	4102.3	3822.8	3385.5	3119.5	2844.5	2840.1	3205.2	3516.2	3507.2	3556.8	3651.5
35°	3980.5	3619.9	3060.9	2984.3	2713.8	2718.3	3128.6	3390.0	3394.6	3439.6	3498.2
37.5°	3854.4	3444.1	2704.8	2835.6	2587.6	2587.6	3024.9	3272.8	3263.8	3277.3	3358.5
40°	3705.6	3169.1	2389.3	2641.7	2470.4	2456.8	2898.7	3146.6	3115.0	3110.6	3223.3
42.5°	3547.8	2867.1	2154.8	2384.7	2335.2	2317.1	2745.3	2993.4	2934.8	2948.2	3092.5
45°	3376.5	2785.9	1974.5	2015.0	2195.4	2181.9	2578.6	2817.5	2777.0	2813.0	2961.7
47.5°	3205.2	2623.7	1915.9	1672.5	2046.7	2042.1	2393.8	2646.2	2623.7	2659.7	2817.5
50°	2970.8	2443.3	1911.4	1433.6	1879.8	1897.8	2172.8	2479.4	2479.4	2511.0	2677.8
52.5°	2668.7	2222.5	1735.6	1298.3	1686.0	1740.1	1979.0	2335.2	2344.1	2375.8	2524.5
55°	2393.8	1992.6	1609.3	1194.6	1456.1	1573.3	1789.7	2186.3	2204.5	2236.0	2371.2
57.5°	2141.3	1659.0	1582.3	1072.9	1244.2	1357.0	1622.9	2042.1	2051.2	2078.2	2208.9
60°	1870.8	1199.2	1451.6	942.2	1059.4	1145.1	1469.6	1870.8	1902.4	1920.4	2033.1
62.5°	1564.3	870.1	1316.4	852.0	969.3	987.3	1343.4	1708.5	1749.1	1762.6	1830.3
65°	1113.5	730.3	1118.0	775.4	874.6	879.0	1208.1	1541.7	1577.8	1600.4	1649.9
67.5°	752.8	595.0	852.0	703.2	802.4	806.9	1077.4	1347.9	1397.4	1415.6	1447.1
70°	522.9	396.7	631.1	626.6	721.3	730.3	937.6	1172.1	1217.2	1230.7	1248.7
72.5°	383.2	320.0	522.9	563.5	635.6	644.7	793.4	973.7	1018.8	1032.3	1041.4
75°	293.0	338.1	423.8	491.3	541.0	545.5	649.1	793.4	825.0	834.0	838.4
77.5°	234.4	315.6	311.1	396.7	441.8	432.8	509.4	613.1	640.2	640.2	640.2
80°	175.8	247.9	234.4	284.0	324.6	315.6	365.1	437.3	446.3	455.3	450.8
82.5°	130.7	157.8	157.8	180.4	216.4	207.3	243.4	284.0	284.0	284.0	293.0
85°	81.2	90.1	72.1	94.7	121.7	117.2	135.2	153.3	157.8	157.8	148.7
87.5°	49.6	40.6	22.6	36.1	54.1	54.1	63.1	67.6	63.1	63.1	63.1
90°	43.2	29.9	16.6	29.9	43.2	46.5	73.1	108.5	126.3	112.2	84.2
92.5°	292.4	179.4	66.4	179.4	292.4	320.7	450.8	624.4	711.1	623.2	447.5
95°	573.0	366.2	159.5	366.2	573.0	624.7	1109.4	1755.6	2078.6	1854.9	1407.4
97.5°	640.6	458.2	275.8	458.2	640.6	686.2	1494.3	2571.7	3110.4	2969.0	2686.2
100°	696.4	530.9	365.5	530.9	696.4	737.8	1634.5	2830.0	3427.8	3438.1	3458.8
102.5°	750.6	596.3	442.0	596.3	750.6	789.3	1698.7	2911.2	3517.5	3697.7	4058.1
105°	833.0	702.3	571.6	702.3	833.0	865.7	1746.3	2920.5	3507.5	3911.5	4719.4
107.5°	948.2	826.4	704.5	826.4	948.2	978.7	1755.1	2790.5	3308.2	3871.6	4998.5
110°	1014.3	904.3	794.2	904.3	1014.3	1041.8	1741.9	2675.3	3142.0	3772.0	5031.8



TEST NUMBER: P936173

CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1092.1	987.2	882.3	987.2	1092.1	1118.3	1742.4	2574.7	2990.8	3635.5	4924.8
115°	1208.7	1112.0	1015.3	1112.0	1208.7	1232.9	1758.5	2459.3	2809.7	3430.8	4672.8
117.5°	1322.2	1234.3	1146.5	1234.3	1322.2	1344.2	1791.1	2387.0	2685.0	3245.6	4366.6
120°	1388.3	1305.6	1222.9	1305.6	1388.3	1409.0	1817.7	2362.7	2635.2	3147.3	4171.6
122.5°	1464.6	1381.1	1297.6	1381.1	1464.6	1485.4	1856.0	2350.0	2597.0	3058.2	3980.5
125°	1564.5	1488.4	1412.4	1488.4	1564.5	1583.5	1907.5	2339.5	2555.5	2947.3	3730.8
127.5°	1659.0	1582.1	1505.3	1582.1	1659.0	1678.1	1958.9	2333.4	2520.6	2857.0	3529.7
130°	1720.6	1637.9	1555.2	1637.9	1720.6	1741.3	1996.6	2337.0	2507.3	2806.7	3405.7
132.5°	1772.1	1689.4	1606.7	1689.4	1772.1	1792.8	2027.0	2339.4	2495.6	2763.7	3299.9
135°	1833.8	1758.4	1683.1	1758.4	1833.8	1852.6	2060.3	2337.3	2475.7	2700.2	3149.2
137.5°	1910.4	1835.9	1761.3	1835.9	1910.4	1929.1	2110.2	2351.6	2472.4	2662.1	3041.8
140°	1963.5	1894.7	1826.1	1894.7	1963.5	1980.6	2140.6	2354.0	2460.7	2624.7	2952.6
142.5°	2002.9	1939.4	1875.9	1939.4	2002.9	2018.8	2166.1	2362.5	2460.7	2604.8	2892.7
145°	2063.1	2007.8	1952.4	2007.8	2063.1	2076.9	2199.3	2362.5	2444.1	2561.9	2797.5
147.5°	2136.5	2082.6	2028.7	2082.6	2136.5	2150.0	2248.1	2378.8	2444.1	2536.8	2722.2
150°	2176.1	2127.4	2078.6	2127.4	2176.1	2188.3	2273.5	2387.3	2444.1	2522.5	2679.0
152.5°	2203.9	2167.1	2130.1	2167.1	2203.9	2213.2	2290.2	2392.8	2444.1	2511.0	2644.6
155°	2261.2	2233.9	2206.6	2233.9	2261.2	2268.0	2326.7	2405.0	2444.1	2497.3	2603.7
157.5°	2316.2	2289.6	2263.1	2289.6	2316.2	2322.8	2363.2	2417.1	2444.1	2485.5	2568.2
160°	2342.6	2321.9	2301.3	2321.9	2342.6	2347.8	2379.9	2422.7	2444.1	2479.6	2550.4
162.5°	2370.4	2355.0	2339.4	2355.0	2370.4	2374.3	2397.6	2428.6	2444.1	2474.1	2533.9
165°	2409.1	2395.0	2381.0	2395.0	2409.1	2412.6	2423.1	2437.1	2444.1	2465.5	2508.3
167.5°	2432.5	2425.9	2419.3	2425.9	2432.5	2434.2	2443.1	2454.9	2460.7	2474.8	2502.8
170°	2457.5	2450.8	2444.1	2450.8	2457.5	2459.1	2459.7	2460.4	2460.7	2474.8	2502.8
172.5°	2460.4	2458.9	2457.5	2458.9	2460.4	2460.7	2460.7	2460.7	2460.7	2471.8	2494.0
175°	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2470.8	2464.1	2460.7	2467.8	2481.8
177.5°	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2471.8	2466.7	2464.1	2469.6	2480.7
180°	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7



TEST NUMBER: P936173

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4598.2	4584.7	4602.7	4553.1	4602.7	4584.7	4598.2	4629.8	4602.7	4620.7	4638.7
5°	4034.7	4012.2	3940.0	3881.4	3940.0	4012.2	4034.7	4129.4	4174.4	4255.6	4363.7
7.5°	3606.4	3588.4	3570.4	3534.3	3570.4	3588.4	3606.4	3633.4	3678.5	3750.6	3831.8
10°	3511.8	3516.2	3543.3	3538.8	3543.3	3516.2	3511.8	3502.7	3489.2	3502.7	3552.4
12.5°	3755.2	3795.8	3944.5	3935.5	3944.5	3795.8	3755.2	3574.8	3453.2	3430.6	3439.6
15°	4034.7	4048.2	4079.7	4084.3	4079.7	4048.2	4034.7	3962.5	3597.4	3439.6	3390.0
17.5°	4061.7	4066.2	4088.8	4088.8	4088.8	4066.2	4061.7	4030.2	3908.4	3696.6	3417.1
20°	4039.2	4048.2	4093.3	4102.3	4093.3	4048.2	4039.2	3998.6	3931.0	3854.4	3642.5
22.5°	4030.2	4048.2	4084.3	4079.7	4084.3	4048.2	4030.2	3967.1	3908.4	3854.4	3768.7
25°	3985.1	3985.1	3989.6	3994.1	3989.6	3985.1	3985.1	3935.5	3818.3	3804.7	3755.2
27.5°	3890.4	3899.5	3926.5	3921.9	3926.5	3899.5	3890.4	3872.4	3746.2	3732.6	3696.6
30°	3804.7	3795.8	3773.2	3755.2	3773.2	3795.8	3804.7	3777.7	3651.5	3615.4	3624.5
32.5°	3660.5	3638.0	3615.4	3601.9	3615.4	3638.0	3660.5	3651.5	3556.8	3507.2	3516.2
35°	3489.2	3493.7	3489.2	3475.7	3489.2	3493.7	3489.2	3498.2	3439.6	3394.6	3390.0
37.5°	3367.5	3376.5	3372.0	3354.0	3372.0	3376.5	3367.5	3358.5	3277.3	3263.8	3272.8
40°	3241.3	3245.8	3241.3	3227.7	3241.3	3245.8	3241.3	3223.3	3110.6	3115.0	3146.6
42.5°	3119.5	3115.0	3101.5	3092.5	3101.5	3115.0	3119.5	3092.5	2948.2	2934.8	2993.4
45°	2979.8	2984.3	2957.2	2943.7	2957.2	2984.3	2979.8	2961.7	2813.0	2777.0	2817.5
47.5°	2840.1	2840.1	2817.5	2803.9	2817.5	2840.1	2840.1	2817.5	2659.7	2623.7	2646.2
50°	2691.3	2686.8	2655.2	2650.7	2655.2	2686.8	2691.3	2677.8	2511.0	2479.4	2479.4
52.5°	2520.0	2520.0	2524.5	2533.5	2524.5	2520.0	2520.0	2524.5	2375.8	2344.1	2335.2
55°	2371.2	2375.8	2407.3	2416.3	2407.3	2375.8	2371.2	2371.2	2236.0	2204.5	2186.3
57.5°	2218.0	2218.0	2240.5	2240.5	2240.5	2218.0	2218.0	2208.9	2078.2	2051.2	2042.1
60°	2042.1	2051.2	2069.2	2064.7	2069.2	2051.2	2042.1	2033.1	1920.4	1902.4	1870.8
62.5°	1857.3	1866.3	1870.8	1861.8	1870.8	1866.3	1857.3	1830.3	1762.6	1749.1	1708.5
65°	1663.5	1672.5	1677.0	1667.9	1677.0	1672.5	1663.5	1649.9	1600.4	1577.8	1541.7
67.5°	1465.1	1460.6	1456.1	1474.1	1456.1	1460.6	1465.1	1447.1	1415.6	1397.4	1347.9
70°	1262.2	1262.2	1257.8	1266.7	1257.8	1262.2	1262.2	1248.7	1230.7	1217.2	1172.1
72.5°	1045.9	1041.4	1059.4	1045.9	1059.4	1041.4	1045.9	1041.4	1032.3	1018.8	973.7
75°	834.0	843.0	834.0	847.5	834.0	843.0	834.0	838.4	834.0	825.0	793.4
77.5°	635.6	644.7	635.6	635.6	635.6	644.7	635.6	640.2	640.2	640.2	613.1
80°	450.8	446.3	446.3	441.8	446.3	446.3	450.8	450.8	455.3	446.3	437.3
82.5°	288.5	284.0	284.0	293.0	284.0	284.0	288.5	293.0	284.0	284.0	284.0
85°	157.8	162.3	153.3	153.3	153.3	162.3	157.8	148.7	157.8	157.8	153.3
87.5°	58.6	54.1	54.1	54.1	54.1	54.1	58.6	63.1	63.1	63.1	67.6
90°	63.1	63.1	63.1	63.1	63.1	63.1	63.1	84.2	112.2	126.3	108.5
92.5°	315.7	303.2	252.9	202.7	252.9	303.2	315.7	447.5	623.2	711.1	624.4
95°	1071.7	1033.7	881.5	729.4	881.5	1033.7	1071.7	1407.4	1854.9	2078.6	1755.6
97.5°	2474.1	2401.7	2112.2	1822.7	2112.2	2401.7	2474.1	2686.2	2969.0	3110.4	2571.7
100°	3474.3	3388.1	3043.3	2698.4	3043.3	3388.1	3474.3	3458.8	3438.1	3427.8	2830.0
102.5°	4328.4	4254.5	3959.1	3663.7	3959.1	4254.5	4328.4	4058.1	3697.7	3517.5	2911.2
105°	5325.2	5285.6	5126.9	4968.1	5126.9	5285.6	5325.2	4719.4	3911.5	3507.5	2920.5
107.5°	5843.7	5853.3	5891.7	5930.1	5891.7	5853.3	5843.7	4998.5	3871.6	3308.2	2790.5
110°	5976.6	6018.0	6183.4	6348.8	6183.4	6018.0	5976.6	5031.8	3772.0	3142.0	2675.3



TEST NUMBER: P936173

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5891.9	5955.4	6209.4	6463.5	6209.4	5955.4	5891.9	4924.8	3635.5	2990.8	2574.7
115°	5604.4	5692.5	6044.7	6397.0	6044.7	5692.5	5604.4	4672.8	3430.8	2809.7	2459.3
117.5°	5207.3	5305.0	5695.6	6086.3	5695.6	5305.0	5207.3	4366.6	3245.6	2685.0	2387.0
120°	4939.8	5034.7	5414.2	5793.8	5414.2	5034.7	4939.8	4171.6	3147.3	2635.2	2362.7
122.5°	4672.3	4765.9	5140.4	5514.7	5140.4	4765.9	4672.3	3980.5	3058.2	2597.0	2350.0
125°	4318.3	4404.6	4749.5	5094.4	4749.5	4404.6	4318.3	3730.8	2947.3	2555.5	2339.5
127.5°	4034.3	4107.0	4398.0	4688.9	4398.0	4107.0	4034.3	3529.7	2857.0	2520.6	2333.4
130°	3854.8	3922.0	4190.8	4459.6	4190.8	3922.0	3854.8	3405.7	2806.7	2507.3	2337.0
132.5°	3702.0	3762.2	4002.8	4243.6	4002.8	3762.2	3702.0	3299.9	2763.7	2495.6	2339.4
135°	3485.9	3537.8	3745.3	3952.8	3745.3	3537.8	3485.9	3149.2	2700.2	2475.7	2337.3
137.5°	3326.4	3368.9	3538.8	3708.6	3538.8	3368.9	3326.4	3041.8	2662.1	2472.4	2351.6
140°	3198.5	3238.2	3397.0	3555.7	3397.0	3238.2	3198.5	2952.6	2624.7	2460.7	2354.0
142.5°	3108.8	3143.0	3279.6	3416.1	3279.6	3143.0	3108.8	2892.7	2604.8	2460.7	2362.5
145°	2974.2	3000.0	3103.5	3206.8	3103.5	3000.0	2974.2	2797.5	2561.9	2444.1	2362.5
147.5°	2861.2	2882.6	2968.3	3053.9	2968.3	2882.6	2861.2	2722.2	2536.8	2444.1	2378.8
150°	2796.4	2813.7	2883.2	2952.6	2883.2	2813.7	2796.4	2679.0	2522.5	2444.1	2387.3
152.5°	2744.9	2758.0	2810.4	2862.8	2810.4	2758.0	2744.9	2644.6	2511.0	2444.1	2392.8
155°	2683.4	2692.1	2726.8	2761.5	2726.8	2692.1	2683.4	2603.7	2497.3	2444.1	2405.0
157.5°	2630.3	2636.4	2660.7	2685.0	2660.7	2636.4	2630.3	2568.2	2485.5	2444.1	2417.1
160°	2603.6	2607.2	2621.2	2635.2	2621.2	2607.2	2603.6	2550.4	2479.6	2444.1	2422.7
162.5°	2578.8	2582.0	2595.4	2608.7	2595.4	2582.0	2578.8	2533.9	2474.1	2444.1	2428.6
165°	2540.5	2544.0	2558.1	2572.1	2558.1	2544.0	2540.5	2508.3	2465.5	2444.1	2437.1
167.5°	2523.9	2525.4	2531.2	2537.2	2531.2	2525.4	2523.9	2502.8	2474.8	2460.7	2454.9
170°	2523.9	2523.9	2523.9	2523.9	2523.9	2523.9	2523.9	2502.8	2474.8	2460.7	2460.4
172.5°	2510.6	2509.3	2504.2	2499.0	2504.2	2509.3	2510.6	2494.0	2471.8	2460.7	2460.7
175°	2492.3	2492.3	2492.3	2492.3	2492.3	2492.3	2492.3	2481.8	2467.8	2460.7	2464.1
177.5°	2489.0	2487.5	2481.6	2475.7	2481.6	2487.5	2489.0	2480.7	2469.6	2464.1	2466.7
180°	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7



TEST NUMBER: P936173

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4706.4	4729.0	4742.5	4760.5	4805.6
5°	4526.0	4611.7	4638.7	4706.4	4787.5
7.5°	4129.4	4390.8	4462.9	4625.2	4751.4
10°	3746.2	4007.6	4133.8	4517.1	4706.4
12.5°	3552.4	3705.6	3791.2	4327.7	4643.3
15°	3430.6	3538.8	3601.9	4075.2	4571.2
17.5°	3335.9	3412.6	3457.7	3827.3	4472.0
20°	3277.3	3313.4	3354.0	3647.0	4359.3
22.5°	3236.8	3214.2	3245.8	3520.7	4206.0
25°	3209.7	3124.1	3160.1	3421.6	4025.7
27.5°	3232.2	3042.9	3056.4	3331.4	3836.3
30°	3236.8	2943.7	2948.2	3236.8	3624.5
32.5°	3205.2	2840.1	2844.5	3119.5	3385.5
35°	3128.6	2718.3	2713.8	2984.3	3060.9
37.5°	3024.9	2587.6	2587.6	2835.6	2704.8
40°	2898.7	2456.8	2470.4	2641.7	2389.3
42.5°	2745.3	2317.1	2335.2	2384.7	2154.8
45°	2578.6	2181.9	2195.4	2015.0	1974.5
47.5°	2393.8	2042.1	2046.7	1672.5	1915.9
50°	2172.8	1897.8	1879.8	1433.6	1911.4
52.5°	1979.0	1740.1	1686.0	1298.3	1735.6
55°	1789.7	1573.3	1456.1	1194.6	1609.3
57.5°	1622.9	1357.0	1244.2	1072.9	1582.3
60°	1469.6	1145.1	1059.4	942.2	1451.6
62.5°	1343.4	987.3	969.3	852.0	1316.4
65°	1208.1	879.0	874.6	775.4	1118.0
67.5°	1077.4	806.9	802.4	703.2	852.0
70°	937.6	730.3	721.3	626.6	631.1
72.5°	793.4	644.7	635.6	563.5	522.9
75°	649.1	545.5	541.0	491.3	423.8
77.5°	509.4	432.8	441.8	396.7	311.1
80°	365.1	315.6	324.6	284.0	234.4
82.5°	243.4	207.3	216.4	180.4	157.8
85°	135.2	117.2	121.7	94.7	72.1
87.5°	63.1	54.1	54.1	36.1	22.6
90°	73.1	46.5	43.2	29.9	16.6
92.5°	450.8	320.7	292.4	179.4	66.4
95°	1109.4	624.7	573.0	366.2	159.5
97.5°	1494.3	686.2	640.6	458.2	275.8
100°	1634.5	737.8	696.4	530.9	365.5
102.5°	1698.7	789.3	750.6	596.3	442.0
105°	1746.3	865.7	833.0	702.3	571.6
107.5°	1755.1	978.7	948.2	826.4	704.5
110°	1741.9	1041.8	1014.3	904.3	794.2



TEST NUMBER: P936173

CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1742.4	1118.3	1092.1	987.2	882.3
115°	1758.5	1232.9	1208.7	1112.0	1015.3
117.5°	1791.1	1344.2	1322.2	1234.3	1146.5
120°	1817.7	1409.0	1388.3	1305.6	1222.9
122.5°	1856.0	1485.4	1464.6	1381.1	1297.6
125°	1907.5	1583.5	1564.5	1488.4	1412.4
127.5°	1958.9	1678.1	1659.0	1582.1	1505.3
130°	1996.6	1741.3	1720.6	1637.9	1555.2
132.5°	2027.0	1792.8	1772.1	1689.4	1606.7
135°	2060.3	1852.6	1833.8	1758.4	1683.1
137.5°	2110.2	1929.1	1910.4	1835.9	1761.3
140°	2140.6	1980.6	1963.5	1894.7	1826.1
142.5°	2166.1	2018.8	2002.9	1939.4	1875.9
145°	2199.3	2076.9	2063.1	2007.8	1952.4
147.5°	2248.1	2150.0	2136.5	2082.6	2028.7
150°	2273.5	2188.3	2176.1	2127.4	2078.6
152.5°	2290.2	2213.2	2203.9	2167.1	2130.1
155°	2326.7	2268.0	2261.2	2233.9	2206.6
157.5°	2363.2	2322.8	2316.2	2289.6	2263.1
160°	2379.9	2347.8	2342.6	2321.9	2301.3
162.5°	2397.6	2374.3	2370.4	2355.0	2339.4
165°	2423.1	2412.6	2409.1	2395.0	2381.0
167.5°	2443.1	2434.2	2432.5	2425.9	2419.3
170°	2459.7	2459.1	2457.5	2450.8	2444.1
172.5°	2460.7	2460.7	2460.4	2458.9	2457.5
175°	2470.8	2475.7	2475.7	2475.7	2475.7
177.5°	2471.8	2475.7	2475.7	2475.7	2475.7
180°	2475.7	2475.7	2475.7	2475.7	2475.7



TEST NUMBER: P936173
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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	13.53	14.34	14.54	15.36	16.72	16.38	17.19	17.39	18.21	19.57
	3H	14.00	14.72	15.02	15.75	17.13	17.73	18.45	18.75	19.48	20.86
	4H	14.19	14.87	15.22	15.91	17.29	18.17	18.86	19.21	19.89	21.28
	6H	14.31	14.94	15.35	15.97	17.37	18.46	19.09	19.51	20.13	21.53
	8H	14.31	14.90	15.35	15.96	17.35	18.54	19.14	19.59	20.19	21.59
	12H	14.27	14.84	15.33	15.89	17.31	18.58	19.15	19.63	20.19	21.61
4H	2H	14.56	15.24	15.60	16.28	17.66	16.78	17.47	17.82	18.50	19.89
	3H	15.58	16.15	16.63	17.21	18.61	18.29	18.86	19.34	19.92	21.32
	4H	15.86	16.38	16.91	17.43	18.85	18.82	19.34	19.87	20.39	21.82
	6H	15.98	16.43	17.04	17.50	18.92	19.19	19.63	20.25	20.71	22.13
	8H	15.98	16.40	17.05	17.47	18.90	19.30	19.71	20.36	20.78	22.22
	12H	15.95	16.32	17.03	17.41	18.85	19.35	19.73	20.44	20.81	22.25
8H	4H	16.31	16.73	17.37	17.79	19.23	18.94	19.36	20.00	20.42	21.86
	6H	16.57	16.91	17.66	18.02	19.45	19.38	19.72	20.47	20.83	22.27
	8H	16.61	16.91	17.70	18.01	19.46	19.53	19.84	20.63	20.93	22.38
	12H	16.59	16.86	17.69	17.95	19.44	19.63	19.90	20.73	20.99	22.48
12H	4H	16.31	16.69	17.40	17.77	19.21	18.90	19.28	19.98	20.36	21.80
	6H	16.63	16.93	17.72	18.02	19.48	19.37	19.68	20.47	20.77	22.22
	8H	16.69	16.96	17.79	18.05	19.54	19.54	19.80	20.64	20.89	22.38