

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: P934444

Luminaire Tested: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934444
REPORT IS A COMBINATION OF REPORTS P933700 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

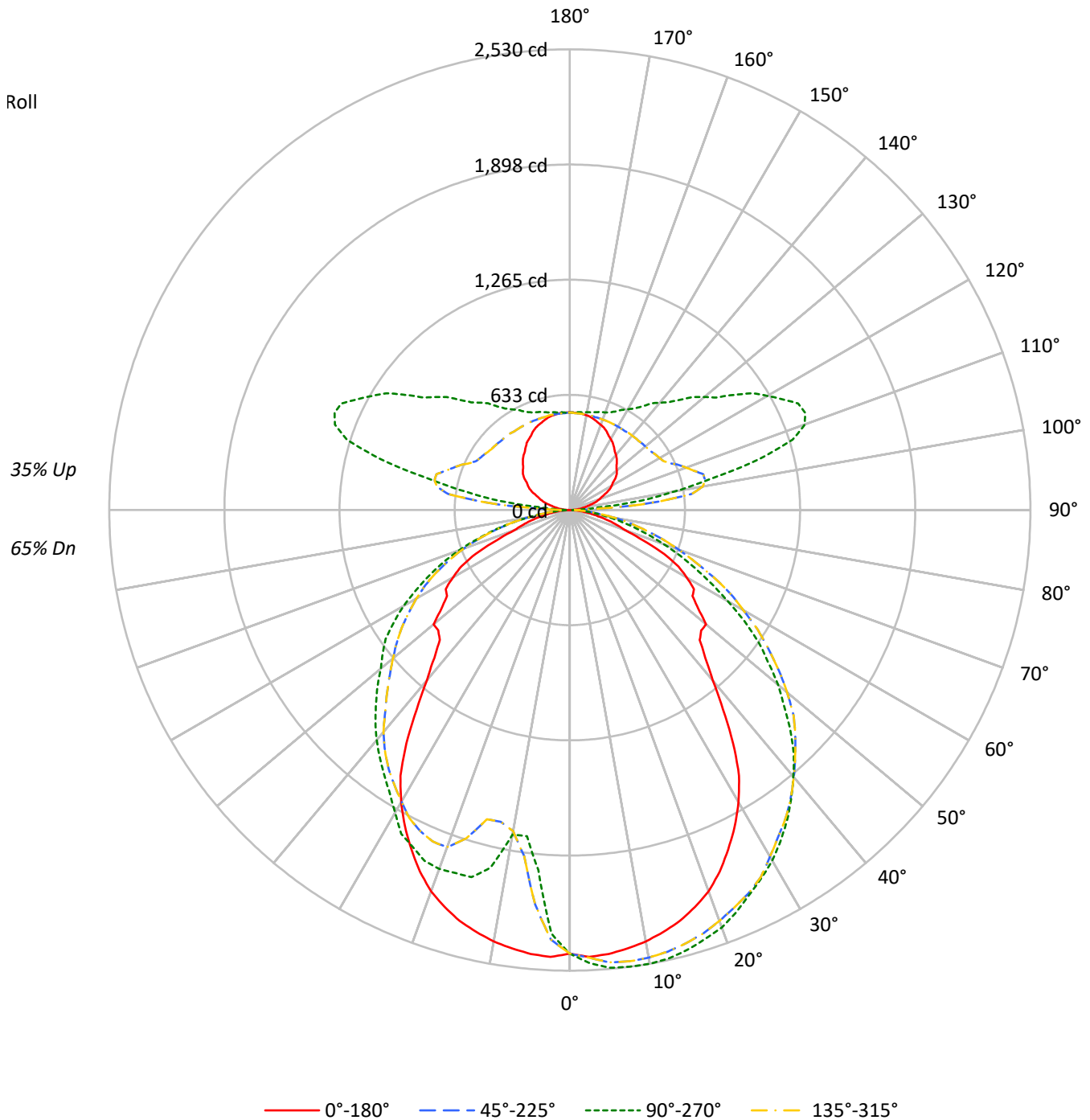
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9789.5 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 90.4
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





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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
RCR																				
0	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69	65		
1	101	97	93	89	95	91	88	84	80	78	75	71	69	67	62	60	59	55		
2	92	85	78	73	86	80	74	69	70	66	63	62	59	56	54	52	50	46		
3	84	74	67	61	79	70	63	58	62	57	53	55	51	47	48	45	42	39		
4	77	66	58	52	72	62	55	49	55	49	45	49	44	41	43	39	36	33		
5	71	59	50	44	66	56	48	42	49	43	39	44	39	35	39	35	32	29		
6	65	53	44	38	61	50	42	37	45	38	34	40	35	31	35	31	28	25		
7	60	48	39	34	56	45	38	32	40	34	30	36	31	27	32	28	25	22		
8	56	43	35	30	52	41	34	29	37	31	27	33	28	24	29	25	22	20		
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	27	23	20	18		
10	49	36	29	24	46	35	28	23	31	25	21	28	23	20	25	21	18	16		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11301	11301	11301	11301
5°	11385	11407	11385	8970
10°	11309	11237	11309	8034
15°	11186	10993	11186	9180
20°	10952	10705	10952	9199
25°	10473	10284	10473	9004
30°	9854	9935	9854	8576
35°	8785	9493	8785	8105
40°	7320	8973	7320	7750
45°	6541	8365	6541	7341
50°	6948	7639	6948	6932
55°	6538	6857	6538	6694
60°	6739	5823	6739	6131
65°	6109	4814	6109	5381
70°	4231	3837	4231	4510
75°	3710	2836	3710	3396
80°	2989	1875	2989	2042
85°	1719	993	1719	844

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10024 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.9	2.2
10°-20°	624.2	6.4
20°-30°	965.0	9.9
30°-40°	1152.0	11.8
40°-50°	1158.7	11.8
50°-60°	1008.2	10.3
60°-70°	714.9	7.3
70°-80°	378.2	3.9
80°-90°	96.2	1.0
90°-100°	261.1	2.7
100°-110°	686.4	7.0
110°-120°	711.7	7.3
120°-130°	570.9	5.8
130°-140°	447.9	4.6
140°-150°	343.8	3.5
150°-160°	247.6	2.5
160°-170°	151.5	1.5
170°-180°	51.2	0.5
0°-30°	1809.1	18.5
0°-40°	2961.1	30.2
0°-60°	5128.0	52.4
0°-90°	6317.3	64.5
90°-120°	1659.2	16.9
90°-150°	3021.9	30.9
90°-180°	3472.0	35.5
0°-180°	9789.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2436	2436	2436	2436	2436	
5°	2447	2523	2447	1984	2447	232
15°	2337	2500	2337	2088	2337	657
25°	2058	2332	2058	2042	2058	945
35°	1565	2081	1565	1777	1565	968
45°	1009	1714	1009	1505	1009	809
55°	823	1265	823	1235	823	756
65°	571	763	571	853	571	546
75°	217	362	217	433	217	228
85°	37	92	37	78	37	50
90°	4	14	4	14	4	5
95°	34	158	34	158	34	38
105°	124	1075	124	1075	124	131
115°	220	1384	220	1384	220	217
125°	306	1102	306	1102	306	271
135°	364	855	364	855	364	282
145°	422	694	422	694	422	265
155°	477	597	477	597	477	219
165°	515	556	515	556	515	145
175°	536	539	536	539	536	51
180°	536	536	536	536	536	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7
2.5°	2456.4	2456.4	2470.2	2474.8	2474.8	2467.9	2461.1	2467.9	2488.7	2495.6	2493.3
5°	2447.2	2465.6	2491.0	2495.6	2500.2	2497.9	2493.3	2497.9	2521.0	2525.6	2527.9
7.5°	2428.8	2463.3	2495.6	2502.5	2509.5	2502.5	2500.2	2504.8	2527.9	2532.5	2532.5
10°	2405.7	2454.1	2491.0	2495.6	2502.5	2495.6	2495.6	2504.8	2527.9	2532.5	2534.7
12.5°	2373.4	2440.3	2474.8	2479.5	2488.7	2486.3	2484.1	2493.3	2516.3	2521.0	2521.0
15°	2336.6	2414.9	2447.2	2451.8	2467.9	2463.3	2463.3	2472.6	2497.9	2504.8	2502.5
17.5°	2285.9	2382.7	2419.5	2426.4	2437.9	2435.7	2437.9	2447.2	2470.2	2474.8	2477.2
20°	2228.3	2338.9	2382.7	2389.5	2401.1	2401.1	2401.1	2412.7	2435.7	2444.9	2444.9
22.5°	2149.9	2292.8	2338.9	2343.5	2357.3	2357.3	2361.9	2378.0	2398.8	2401.1	2401.1
25°	2057.7	2242.1	2281.2	2295.1	2309.0	2315.9	2322.7	2332.0	2338.9	2336.6	2338.9
27.5°	1960.9	2177.6	2228.3	2237.5	2256.0	2262.8	2272.1	2274.4	2276.7	2283.6	2279.0
30°	1852.6	2087.7	2163.8	2173.0	2202.9	2207.6	2198.3	2202.9	2214.4	2219.1	2223.7
32.5°	1730.6	1954.1	2097.0	2117.6	2145.3	2131.5	2129.2	2136.1	2154.5	2154.5	2159.2
35°	1564.6	1850.4	2034.7	2053.1	2073.9	2057.7	2067.0	2069.2	2080.8	2087.7	2085.4
37.5°	1382.6	1760.5	1970.2	1984.1	2000.2	1979.4	1993.2	2000.2	2009.3	2004.8	2004.8
40°	1221.3	1620.0	1894.1	1903.4	1917.2	1901.0	1914.9	1919.5	1924.1	1919.5	1917.2
42.5°	1101.5	1465.5	1813.5	1825.0	1815.8	1827.3	1832.0	1841.1	1834.2	1825.0	1825.0
45°	1009.3	1424.0	1725.9	1739.8	1725.9	1744.4	1751.3	1751.3	1730.6	1725.9	1723.7
47.5°	979.4	1341.1	1638.4	1638.4	1631.5	1654.5	1666.0	1649.9	1629.1	1622.2	1622.2
50°	977.0	1248.9	1518.6	1509.3	1541.6	1569.2	1557.7	1541.6	1525.4	1500.1	1500.1
52.5°	887.2	1136.0	1364.1	1398.7	1449.4	1465.5	1447.1	1431.0	1403.4	1391.9	1382.6
55°	822.7	1018.5	1223.6	1292.7	1345.7	1366.5	1331.9	1315.8	1274.3	1267.4	1262.8
57.5°	808.8	848.0	1094.6	1182.1	1246.7	1244.3	1223.6	1193.6	1159.1	1152.1	1149.9
60°	742.0	613.0	956.3	1060.0	1126.8	1119.9	1101.5	1073.8	1041.6	1036.9	1032.3
62.5°	672.9	444.7	799.6	917.1	1011.6	1009.3	993.2	951.7	928.6	917.1	907.9
65°	571.4	373.3	569.2	762.8	898.7	903.3	868.7	838.8	813.4	799.6	797.3
67.5°	435.5	304.2	384.8	636.0	790.4	785.8	742.0	728.1	695.9	689.0	675.1
70°	322.6	202.7	267.3	516.2	684.4	672.9	638.3	622.2	592.2	576.1	566.8
72.5°	267.3	163.6	195.9	401.0	576.1	562.3	532.3	513.9	488.5	474.6	465.5
75°	216.6	172.8	149.8	297.3	467.8	458.6	430.9	412.5	391.7	373.3	375.6
77.5°	159.0	161.3	119.8	218.9	371.0	357.2	341.1	318.0	308.8	290.4	290.4
80°	119.8	126.7	89.9	149.8	267.3	267.3	253.5	237.4	221.2	212.0	212.0
82.5°	80.7	80.7	66.8	94.4	182.1	175.1	165.9	161.3	152.1	147.5	147.5
85°	36.9	46.0	41.5	57.6	99.1	103.7	103.7	99.1	96.8	92.2	94.4
87.5°	11.5	20.8	25.4	32.3	50.7	53.0	55.3	55.3	55.3	57.6	57.6
90°	3.6	6.5	9.3	10.0	15.8	23.5	27.3	24.2	18.2	13.7	13.7
92.5°	14.4	38.8	63.3	69.4	97.6	135.1	153.8	134.8	96.8	68.3	65.6
95°	34.5	79.3	124.0	135.2	240.0	379.8	449.7	401.3	304.5	231.9	223.7
97.5°	59.6	99.1	138.6	148.4	323.3	556.4	672.9	642.3	581.1	535.3	519.6
100°	79.1	114.8	150.6	159.6	353.6	612.3	741.6	743.8	748.3	751.6	732.9
102.5°	95.7	129.1	162.4	170.7	367.5	629.9	761.0	800.0	878.0	936.4	920.4
105°	123.7	151.9	180.2	187.3	377.9	631.9	758.8	846.2	1021.1	1152.1	1143.5
107.5°	152.4	178.8	205.1	211.7	379.7	603.7	715.7	837.6	1081.4	1264.3	1266.4
110°	171.8	195.6	219.5	225.4	376.9	578.8	679.8	816.0	1088.6	1293.0	1301.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	190.9	213.6	236.2	241.9	377.0	557.1	647.0	786.5	1065.5	1274.7	1288.4
115°	219.7	240.6	261.5	266.8	380.5	532.1	607.9	742.3	1010.9	1212.5	1231.5
117.5°	248.0	267.0	286.0	290.8	387.5	516.4	580.9	702.2	944.7	1126.6	1147.7
120°	264.6	282.5	300.4	304.9	393.3	511.2	570.1	680.9	902.5	1068.7	1089.2
122.5°	280.7	298.8	316.8	321.3	401.5	508.4	561.9	661.6	861.2	1010.9	1031.1
125°	305.6	322.0	338.4	342.5	412.6	506.1	552.9	637.6	807.2	934.3	953.0
127.5°	325.7	342.3	358.8	363.0	423.8	504.8	545.3	618.1	763.6	872.8	888.5
130°	336.4	354.3	372.3	376.7	431.9	505.6	542.4	607.2	736.8	833.9	848.5
132.5°	347.6	365.5	383.4	387.9	438.5	506.1	540.0	598.0	713.9	800.9	813.9
135°	364.2	380.5	396.7	400.8	445.7	505.6	535.6	584.2	681.3	754.1	765.4
137.5°	381.1	397.2	413.3	417.4	456.5	508.7	534.9	576.0	658.1	719.7	728.8
140°	395.0	409.9	424.8	428.5	463.1	509.3	532.4	567.9	638.8	692.0	700.5
142.5°	405.8	419.5	433.3	436.7	468.6	511.1	532.4	563.5	625.9	672.6	680.0
145°	422.4	434.4	446.4	449.4	475.9	511.2	528.8	554.3	605.3	643.5	649.1
147.5°	438.9	450.6	462.3	465.1	486.3	514.7	528.8	548.9	588.9	619.0	623.6
150°	449.7	460.3	470.8	473.4	491.9	516.5	528.8	545.7	579.6	605.0	608.8
152.5°	460.9	468.9	476.8	478.8	495.5	517.7	528.8	543.3	572.1	593.9	596.7
155°	477.4	483.3	489.2	490.7	503.4	520.3	528.8	540.3	563.2	580.5	582.4
157.5°	489.6	495.3	501.1	502.6	511.3	523.0	528.8	537.7	555.6	569.0	570.3
160°	497.8	502.4	506.8	508.0	514.9	524.2	528.8	536.5	551.7	563.2	564.0
162.5°	506.1	509.5	512.8	513.7	518.8	525.5	528.8	535.3	548.2	557.9	558.6
165°	515.1	518.2	521.1	521.9	524.2	527.2	528.8	533.4	542.7	549.6	550.4
167.5°	523.4	524.8	526.3	526.6	528.5	531.1	532.4	535.4	541.5	546.1	546.4
170°	528.8	530.2	531.7	532.0	532.1	532.3	532.4	535.4	541.5	546.1	546.1
172.5°	531.7	532.0	532.3	532.4	532.4	532.4	532.4	534.8	539.6	543.2	542.9
175°	535.6	535.6	535.6	535.6	534.6	533.1	532.4	533.9	536.9	539.2	539.2
177.5°	535.6	535.6	535.6	535.6	534.7	533.6	533.1	534.3	536.6	538.5	538.1
180°	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7
2.5°	2497.9	2491.0	2497.9	2493.3	2495.6	2488.7	2467.9	2461.1	2467.9	2474.8	2474.8
5°	2527.9	2523.2	2527.9	2527.9	2525.6	2521.0	2497.9	2493.3	2497.9	2500.2	2495.6
7.5°	2537.1	2530.1	2537.1	2532.5	2532.5	2527.9	2504.8	2500.2	2502.5	2509.5	2502.5
10°	2537.1	2530.1	2537.1	2534.7	2532.5	2527.9	2504.8	2495.6	2495.6	2502.5	2495.6
12.5°	2525.6	2521.0	2525.6	2521.0	2521.0	2516.3	2493.3	2484.1	2486.3	2488.7	2479.5
15°	2507.1	2500.2	2507.1	2502.5	2504.8	2497.9	2472.6	2463.3	2463.3	2467.9	2451.8
17.5°	2479.5	2470.2	2479.5	2477.2	2474.8	2470.2	2447.2	2437.9	2435.7	2437.9	2426.4
20°	2447.2	2440.3	2447.2	2444.9	2444.9	2435.7	2412.7	2401.1	2401.1	2401.1	2389.5
22.5°	2396.5	2389.5	2396.5	2401.1	2401.1	2398.8	2378.0	2361.9	2357.3	2357.3	2343.5
25°	2338.9	2332.0	2338.9	2338.9	2336.6	2338.9	2332.0	2322.7	2315.9	2309.0	2295.1
27.5°	2283.6	2279.0	2283.6	2279.0	2283.6	2276.7	2274.4	2272.1	2262.8	2256.0	2237.5
30°	2228.3	2223.7	2228.3	2223.7	2219.1	2214.4	2202.9	2198.3	2207.6	2202.9	2173.0
32.5°	2159.2	2154.5	2159.2	2159.2	2154.5	2154.5	2136.1	2129.2	2131.5	2145.3	2117.6
35°	2087.7	2080.8	2087.7	2085.4	2087.7	2080.8	2069.2	2067.0	2057.7	2073.9	2053.1
37.5°	2004.8	1997.8	2004.8	2004.8	2004.8	2009.3	2000.2	1993.2	1979.4	2000.2	1984.1
40°	1919.5	1910.3	1919.5	1917.2	1919.5	1924.1	1919.5	1914.9	1901.0	1917.2	1903.4
42.5°	1822.7	1820.5	1822.7	1825.0	1825.0	1834.2	1841.1	1832.0	1827.3	1815.8	1825.0
45°	1719.0	1714.4	1719.0	1723.7	1725.9	1730.6	1751.3	1751.3	1744.4	1725.9	1739.8
47.5°	1608.4	1596.9	1608.4	1622.2	1622.2	1629.1	1649.9	1666.0	1654.5	1631.5	1638.4
50°	1490.9	1493.2	1490.9	1500.1	1500.1	1525.4	1541.6	1557.7	1569.2	1541.6	1509.3
52.5°	1375.7	1373.4	1375.7	1382.6	1391.9	1403.4	1431.0	1447.1	1465.5	1449.4	1398.7
55°	1260.4	1265.1	1260.4	1262.8	1267.4	1274.3	1315.8	1331.9	1366.5	1345.7	1292.7
57.5°	1145.2	1138.4	1145.2	1149.9	1152.1	1159.1	1193.6	1223.6	1244.3	1246.7	1182.1
60°	1011.6	1002.4	1011.6	1032.3	1036.9	1041.6	1073.8	1101.5	1119.9	1126.8	1060.0
62.5°	894.1	878.0	894.1	907.9	917.1	928.6	951.7	993.2	1009.3	1011.6	917.1
65°	769.7	762.8	769.7	797.3	799.6	813.4	838.8	868.7	903.3	898.7	762.8
67.5°	656.7	656.7	656.7	675.1	689.0	695.9	728.1	742.0	785.8	790.4	636.0
70°	553.0	550.8	553.0	566.8	576.1	592.2	622.2	638.3	672.9	684.4	516.2
72.5°	454.0	451.6	454.0	465.5	474.6	488.5	513.9	532.3	562.3	576.1	401.0
75°	366.4	361.8	366.4	375.6	373.3	391.7	412.5	430.9	458.6	467.8	297.3
77.5°	281.1	281.1	281.1	290.4	290.4	308.8	318.0	341.1	357.2	371.0	218.9
80°	209.7	207.4	209.7	212.0	212.0	221.2	237.4	253.5	267.3	267.3	149.8
82.5°	147.5	142.8	147.5	147.5	147.5	152.1	161.3	165.9	175.1	182.1	94.4
85°	92.2	92.2	92.2	94.4	92.2	96.8	99.1	103.7	103.7	99.1	57.6
87.5°	59.9	57.6	59.9	57.6	57.6	55.3	55.3	55.3	53.0	50.7	32.3
90°	13.7	13.7	13.7	13.7	13.7	18.2	24.2	27.3	23.5	15.8	10.0
92.5°	54.7	43.9	54.7	65.6	68.3	96.8	134.8	153.8	135.1	97.6	69.4
95°	190.7	157.8	190.7	223.7	231.9	304.5	401.3	449.7	379.8	240.0	135.2
97.5°	456.9	394.3	456.9	519.6	535.3	581.1	642.3	672.9	556.4	323.3	148.4
100°	658.4	583.7	658.4	732.9	751.6	748.3	743.8	741.6	612.3	353.6	159.6
102.5°	856.5	792.6	856.5	920.4	936.4	878.0	800.0	761.0	629.9	367.5	170.7
105°	1109.1	1074.8	1109.1	1143.5	1152.1	1021.1	846.2	758.8	631.9	377.9	187.3
107.5°	1274.7	1282.9	1274.7	1266.4	1264.3	1081.4	837.6	715.7	603.7	379.7	211.7
110°	1337.7	1373.5	1337.7	1301.9	1293.0	1088.6	816.0	679.8	578.8	376.9	225.4



TEST NUMBER: P934444

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1343.4	1398.3	1343.4	1288.4	1274.7	1065.5	786.5	647.0	557.1	377.0	241.9
115°	1307.7	1383.9	1307.7	1231.5	1212.5	1010.9	742.3	607.9	532.1	380.5	266.8
117.5°	1232.3	1316.8	1232.3	1147.7	1126.6	944.7	702.2	580.9	516.4	387.5	290.8
120°	1171.3	1253.5	1171.3	1089.2	1068.7	902.5	680.9	570.1	511.2	393.3	304.9
122.5°	1112.1	1193.1	1112.1	1031.1	1010.9	861.2	661.6	561.9	508.4	401.5	321.3
125°	1027.5	1102.2	1027.5	953.0	934.3	807.2	637.6	552.9	506.1	412.6	342.5
127.5°	951.5	1014.4	951.5	888.5	872.8	763.6	618.1	545.3	504.8	423.8	363.0
130°	906.7	964.8	906.7	848.5	833.9	736.8	607.2	542.4	505.6	431.9	376.7
132.5°	866.0	918.1	866.0	813.9	800.9	713.9	598.0	540.0	506.1	438.5	387.9
135°	810.3	855.2	810.3	765.4	754.1	681.3	584.2	535.6	505.6	445.7	400.8
137.5°	765.6	802.4	765.6	728.8	719.7	658.1	576.0	534.9	508.7	456.5	417.4
140°	734.9	769.2	734.9	700.5	692.0	638.8	567.9	532.4	509.3	463.1	428.5
142.5°	709.5	739.0	709.5	680.0	672.6	625.9	563.5	532.4	511.1	468.6	436.7
145°	671.5	693.8	671.5	649.1	643.5	605.3	554.3	528.8	511.2	475.9	449.4
147.5°	642.2	660.7	642.2	623.6	619.0	588.9	548.9	528.8	514.7	486.3	465.1
150°	623.8	638.8	623.8	608.8	605.0	579.6	545.7	528.8	516.5	491.9	473.4
152.5°	608.1	619.4	608.1	596.7	593.9	572.1	543.3	528.8	517.7	495.5	478.8
155°	589.9	597.4	589.9	582.4	580.5	563.2	540.3	528.8	520.3	503.4	490.7
157.5°	575.6	580.9	575.6	570.3	569.0	555.6	537.7	528.8	523.0	511.3	502.6
160°	567.1	570.1	567.1	564.0	563.2	551.7	536.5	528.8	524.2	514.9	508.0
162.5°	561.5	564.4	561.5	558.6	557.9	548.2	535.3	528.8	525.5	518.8	513.7
165°	553.4	556.4	553.4	550.4	549.6	542.7	533.4	528.8	527.2	524.2	521.9
167.5°	547.6	548.9	547.6	546.4	546.1	541.5	535.4	532.4	531.1	528.5	526.6
170°	546.1	546.1	546.1	546.1	546.1	541.5	535.4	532.4	532.3	532.1	532.0
172.5°	541.8	540.7	541.8	542.9	543.2	539.6	534.8	532.4	532.4	532.4	532.4
175°	539.2	539.2	539.2	539.2	539.2	536.9	533.9	532.4	533.1	534.6	535.6
177.5°	536.9	535.6	536.9	538.1	538.5	536.6	534.3	533.1	533.6	534.7	535.6
180°	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6



TEST NUMBER: P934444

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7
2.5°	2470.2	2456.4	2456.4	2433.4	2424.2	2417.3	2405.7	2371.1	2361.9	2352.7	2366.5
5°	2491.0	2465.6	2447.2	2405.7	2371.1	2357.3	2313.5	2230.6	2175.3	2133.8	2110.8
7.5°	2495.6	2463.3	2428.8	2364.3	2281.2	2244.4	2110.8	1958.7	1917.2	1880.4	1857.3
10°	2491.0	2454.1	2405.7	2309.0	2113.0	2048.6	1914.9	1815.8	1790.5	1783.6	1790.5
12.5°	2474.8	2440.3	2373.4	2212.2	1937.9	1894.1	1815.8	1758.2	1753.6	1765.1	1827.3
15°	2447.2	2414.9	2336.6	2083.1	1841.1	1808.9	1753.6	1732.8	1758.2	1838.9	2025.5
17.5°	2419.5	2382.7	2285.9	1956.4	1767.4	1744.4	1705.2	1746.7	1889.5	1997.8	2060.1
20°	2382.7	2338.9	2228.3	1864.2	1714.4	1693.7	1675.3	1861.9	1970.2	2009.3	2044.0
22.5°	2338.9	2292.8	2149.9	1799.7	1659.1	1643.0	1654.5	1926.4	1970.2	1997.8	2027.8
25°	2281.2	2242.1	2057.7	1749.0	1615.4	1596.9	1640.6	1919.5	1944.8	1951.8	2011.7
27.5°	2228.3	2177.6	1960.9	1702.9	1562.3	1555.4	1652.2	1889.5	1908.0	1914.9	1979.4
30°	2163.8	2087.7	1852.6	1654.5	1507.0	1504.7	1654.5	1852.6	1848.1	1866.5	1931.0
32.5°	2097.0	1954.1	1730.6	1594.6	1454.0	1451.8	1638.4	1797.3	1792.7	1818.1	1866.5
35°	2034.7	1850.4	1564.6	1525.4	1387.2	1389.5	1599.2	1732.8	1735.2	1758.2	1788.2
37.5°	1970.2	1760.5	1382.6	1449.4	1322.7	1322.7	1546.2	1672.9	1668.4	1675.3	1716.7
40°	1894.1	1620.0	1221.3	1350.3	1262.8	1255.8	1481.7	1608.4	1592.2	1590.0	1647.6
42.5°	1813.5	1465.5	1101.5	1219.0	1193.6	1184.4	1403.4	1530.1	1500.1	1507.0	1580.7
45°	1725.9	1424.0	1009.3	1030.0	1122.2	1115.3	1318.1	1440.2	1419.5	1437.9	1513.9
47.5°	1638.4	1341.1	979.4	854.9	1046.2	1043.8	1223.6	1352.6	1341.1	1359.6	1440.2
50°	1518.6	1248.9	977.0	732.8	960.9	970.1	1110.7	1267.4	1267.4	1283.5	1368.7
52.5°	1364.1	1136.0	887.2	663.6	861.8	889.5	1011.6	1193.6	1198.3	1214.4	1290.4
55°	1223.6	1018.5	822.7	610.7	744.3	804.2	914.9	1117.6	1126.8	1143.0	1212.0
57.5°	1094.6	848.0	808.8	548.4	636.0	693.6	829.6	1043.8	1048.4	1062.3	1129.1
60°	956.3	613.0	742.0	481.6	541.5	585.3	751.2	956.3	972.4	981.6	1039.3
62.5°	799.6	444.7	672.9	435.5	495.4	504.6	686.7	873.3	894.1	901.0	935.5
65°	569.2	373.3	571.4	396.3	447.0	449.4	617.6	788.1	806.5	818.1	843.3
67.5°	384.8	304.2	435.5	359.5	410.2	412.5	550.8	689.0	714.4	723.5	739.7
70°	267.3	202.7	322.6	320.3	368.7	373.3	479.3	599.1	622.2	629.1	638.3
72.5°	195.9	163.6	267.3	288.0	324.9	329.5	405.6	497.8	520.8	527.7	532.3
75°	149.8	172.8	216.6	251.1	276.5	278.8	331.8	405.6	421.7	426.3	428.6
77.5°	119.8	161.3	159.0	202.7	225.9	221.2	260.4	313.4	327.2	327.2	327.2
80°	89.9	126.7	119.8	145.2	165.9	161.3	186.6	223.5	228.1	232.7	230.4
82.5°	66.8	80.7	80.7	92.2	110.6	106.0	124.4	145.2	145.2	145.2	149.8
85°	41.5	46.0	36.9	48.4	62.2	59.9	69.2	78.3	80.7	80.7	76.0
87.5°	25.4	20.8	11.5	18.4	27.6	27.6	32.3	34.5	32.3	32.3	32.3
90°	9.3	6.5	3.6	6.5	9.3	10.0	15.8	23.5	27.3	24.2	18.2
92.5°	63.3	38.8	14.4	38.8	63.3	69.4	97.6	135.1	153.8	134.8	96.8
95°	124.0	79.3	34.5	79.3	124.0	135.2	240.0	379.8	449.7	401.3	304.5
97.5°	138.6	99.1	59.6	99.1	138.6	148.4	323.3	556.4	672.9	642.3	581.1
100°	150.6	114.8	79.1	114.8	150.6	159.6	353.6	612.3	741.6	743.8	748.3
102.5°	162.4	129.1	95.7	129.1	162.4	170.7	367.5	629.9	761.0	800.0	878.0
105°	180.2	151.9	123.7	151.9	180.2	187.3	377.9	631.9	758.8	846.2	1021.1
107.5°	205.1	178.8	152.4	178.8	205.1	211.7	379.7	603.7	715.7	837.6	1081.4
110°	219.5	195.6	171.8	195.6	219.5	225.4	376.9	578.8	679.8	816.0	1088.6



TEST NUMBER: P934444

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	236.2	213.6	190.9	213.6	236.2	241.9	377.0	557.1	647.0	786.5	1065.5
115°	261.5	240.6	219.7	240.6	261.5	266.8	380.5	532.1	607.9	742.3	1010.9
117.5°	286.0	267.0	248.0	267.0	286.0	290.8	387.5	516.4	580.9	702.2	944.7
120°	300.4	282.5	264.6	282.5	300.4	304.9	393.3	511.2	570.1	680.9	902.5
122.5°	316.8	298.8	280.7	298.8	316.8	321.3	401.5	508.4	561.9	661.6	861.2
125°	338.4	322.0	305.6	322.0	338.4	342.5	412.6	506.1	552.9	637.6	807.2
127.5°	358.8	342.3	325.7	342.3	358.8	363.0	423.8	504.8	545.3	618.1	763.6
130°	372.3	354.3	336.4	354.3	372.3	376.7	431.9	505.6	542.4	607.2	736.8
132.5°	383.4	365.5	347.6	365.5	383.4	387.9	438.5	506.1	540.0	598.0	713.9
135°	396.7	380.5	364.2	380.5	396.7	400.8	445.7	505.6	535.6	584.2	681.3
137.5°	413.3	397.2	381.1	397.2	413.3	417.4	456.5	508.7	534.9	576.0	658.1
140°	424.8	409.9	395.0	409.9	424.8	428.5	463.1	509.3	532.4	567.9	638.8
142.5°	433.3	419.5	405.8	419.5	433.3	436.7	468.6	511.1	532.4	563.5	625.9
145°	446.4	434.4	422.4	434.4	446.4	449.4	475.9	511.2	528.8	554.3	605.3
147.5°	462.3	450.6	438.9	450.6	462.3	465.1	486.3	514.7	528.8	548.9	588.9
150°	470.8	460.3	449.7	460.3	470.8	473.4	491.9	516.5	528.8	545.7	579.6
152.5°	476.8	468.9	460.9	468.9	476.8	478.8	495.5	517.7	528.8	543.3	572.1
155°	489.2	483.3	477.4	483.3	489.2	490.7	503.4	520.3	528.8	540.3	563.2
157.5°	501.1	495.3	489.6	495.3	501.1	502.6	511.3	523.0	528.8	537.7	555.6
160°	506.8	502.4	497.8	502.4	506.8	508.0	514.9	524.2	528.8	536.5	551.7
162.5°	512.8	509.5	506.1	509.5	512.8	513.7	518.8	525.5	528.8	535.3	548.2
165°	521.1	518.2	515.1	518.2	521.1	521.9	524.2	527.2	528.8	533.4	542.7
167.5°	526.3	524.8	523.4	524.8	526.3	526.6	528.5	531.1	532.4	535.4	541.5
170°	531.7	530.2	528.8	530.2	531.7	532.0	532.1	532.3	532.4	535.4	541.5
172.5°	532.3	532.0	531.7	532.0	532.3	532.4	532.4	532.4	532.4	534.8	539.6
175°	535.6	535.6	535.6	535.6	535.6	535.6	534.6	533.1	532.4	533.9	536.9
177.5°	535.6	535.6	535.6	535.6	535.6	535.6	534.7	533.6	533.1	534.3	536.6
180°	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6



TEST NUMBER: P934444

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7
2.5°	2350.4	2343.5	2352.7	2327.4	2352.7	2343.5	2350.4	2366.5	2352.7	2361.9	2371.1
5°	2062.4	2050.8	2014.0	1984.1	2014.0	2050.8	2062.4	2110.8	2133.8	2175.3	2230.6
7.5°	1843.5	1834.2	1825.0	1806.6	1825.0	1834.2	1843.5	1857.3	1880.4	1917.2	1958.7
10°	1795.1	1797.3	1811.2	1808.9	1811.2	1797.3	1795.1	1790.5	1783.6	1790.5	1815.8
12.5°	1919.5	1940.3	2016.3	2011.7	2016.3	1940.3	1919.5	1827.3	1765.1	1753.6	1758.2
15°	2062.4	2069.2	2085.4	2087.7	2085.4	2069.2	2062.4	2025.5	1838.9	1758.2	1732.8
17.5°	2076.2	2078.5	2090.0	2090.0	2090.0	2078.5	2076.2	2060.1	1997.8	1889.5	1746.7
20°	2064.7	2069.2	2092.4	2097.0	2092.4	2069.2	2064.7	2044.0	2009.3	1970.2	1861.9
22.5°	2060.1	2069.2	2087.7	2085.4	2087.7	2069.2	2060.1	2027.8	1997.8	1970.2	1926.4
25°	2037.0	2037.0	2039.3	2041.6	2039.3	2037.0	2037.0	2011.7	1951.8	1944.8	1919.5
27.5°	1988.7	1993.2	2007.1	2004.8	2007.1	1993.2	1988.7	1979.4	1914.9	1908.0	1889.5
30°	1944.8	1940.3	1928.7	1919.5	1928.7	1940.3	1944.8	1931.0	1866.5	1848.1	1852.6
32.5°	1871.1	1859.6	1848.1	1841.1	1848.1	1859.6	1871.1	1866.5	1818.1	1792.7	1797.3
35°	1783.6	1785.8	1783.6	1776.6	1783.6	1785.8	1783.6	1788.2	1758.2	1735.2	1732.8
37.5°	1721.3	1725.9	1723.7	1714.4	1723.7	1725.9	1721.3	1716.7	1675.3	1668.4	1672.9
40°	1656.8	1659.1	1656.8	1649.9	1656.8	1659.1	1656.8	1647.6	1590.0	1592.2	1608.4
42.5°	1594.6	1592.2	1585.4	1580.7	1585.4	1592.2	1594.6	1580.7	1507.0	1500.1	1530.1
45°	1523.2	1525.4	1511.7	1504.7	1511.7	1525.4	1523.2	1513.9	1437.9	1419.5	1440.2
47.5°	1451.8	1451.8	1440.2	1433.3	1440.2	1451.8	1451.8	1440.2	1359.6	1341.1	1352.6
50°	1375.7	1373.4	1357.2	1355.0	1357.2	1373.4	1375.7	1368.7	1283.5	1267.4	1267.4
52.5°	1288.1	1288.1	1290.4	1295.1	1290.4	1288.1	1288.1	1290.4	1214.4	1198.3	1193.6
55°	1212.0	1214.4	1230.5	1235.1	1230.5	1214.4	1212.0	1212.0	1143.0	1126.8	1117.6
57.5°	1133.7	1133.7	1145.2	1145.2	1145.2	1133.7	1133.7	1129.1	1062.3	1048.4	1043.8
60°	1043.8	1048.4	1057.7	1055.4	1057.7	1048.4	1043.8	1039.3	981.6	972.4	956.3
62.5°	949.4	954.0	956.3	951.7	956.3	954.0	949.4	935.5	901.0	894.1	873.3
65°	850.3	854.9	857.2	852.6	857.2	854.9	850.3	843.3	818.1	806.5	788.1
67.5°	748.9	746.6	744.3	753.5	744.3	746.6	748.9	739.7	723.5	714.4	689.0
70°	645.2	645.2	642.9	647.5	642.9	645.2	645.2	638.3	629.1	622.2	599.1
72.5°	534.6	532.3	541.5	534.6	541.5	532.3	534.6	532.3	527.7	520.8	497.8
75°	426.3	430.9	426.3	433.2	426.3	430.9	426.3	428.6	426.3	421.7	405.6
77.5°	324.9	329.5	324.9	324.9	324.9	329.5	324.9	327.2	327.2	327.2	313.4
80°	230.4	228.1	228.1	225.9	228.1	228.1	230.4	230.4	232.7	228.1	223.5
82.5°	147.5	145.2	145.2	149.8	145.2	145.2	147.5	149.8	145.2	145.2	145.2
85°	80.7	82.9	78.3	78.3	78.3	82.9	80.7	76.0	80.7	80.7	78.3
87.5°	30.0	27.6	27.6	27.6	27.6	27.6	30.0	32.3	32.3	32.3	34.5
90°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	18.2	24.2	27.3	23.5
92.5°	68.3	65.6	54.7	43.9	54.7	65.6	68.3	96.8	134.8	153.8	135.1
95°	231.9	223.7	190.7	157.8	190.7	223.7	231.9	304.5	401.3	449.7	379.8
97.5°	535.3	519.6	456.9	394.3	456.9	519.6	535.3	581.1	642.3	672.9	556.4
100°	751.6	732.9	658.4	583.7	658.4	732.9	751.6	748.3	743.8	741.6	612.3
102.5°	936.4	920.4	856.5	792.6	856.5	920.4	936.4	878.0	800.0	761.0	629.9
105°	1152.1	1143.5	1109.1	1074.8	1109.1	1143.5	1152.1	1021.1	846.2	758.8	631.9
107.5°	1264.3	1266.4	1274.7	1282.9	1274.7	1266.4	1264.3	1081.4	837.6	715.7	603.7
110°	1293.0	1301.9	1337.7	1373.5	1337.7	1301.9	1293.0	1088.6	816.0	679.8	578.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1274.7	1288.4	1343.4	1398.3	1343.4	1288.4	1274.7	1065.5	786.5	647.0	557.1
115°	1212.5	1231.5	1307.7	1383.9	1307.7	1231.5	1212.5	1010.9	742.3	607.9	532.1
117.5°	1126.6	1147.7	1232.3	1316.8	1232.3	1147.7	1126.6	944.7	702.2	580.9	516.4
120°	1068.7	1089.2	1171.3	1253.5	1171.3	1089.2	1068.7	902.5	680.9	570.1	511.2
122.5°	1010.9	1031.1	1112.1	1193.1	1112.1	1031.1	1010.9	861.2	661.6	561.9	508.4
125°	934.3	953.0	1027.5	1102.2	1027.5	953.0	934.3	807.2	637.6	552.9	506.1
127.5°	872.8	888.5	951.5	1014.4	951.5	888.5	872.8	763.6	618.1	545.3	504.8
130°	833.9	848.5	906.7	964.8	906.7	848.5	833.9	736.8	607.2	542.4	505.6
132.5°	800.9	813.9	866.0	918.1	866.0	813.9	800.9	713.9	598.0	540.0	506.1
135°	754.1	765.4	810.3	855.2	810.3	765.4	754.1	681.3	584.2	535.6	505.6
137.5°	719.7	728.8	765.6	802.4	765.6	728.8	719.7	658.1	576.0	534.9	508.7
140°	692.0	700.5	734.9	769.2	734.9	700.5	692.0	638.8	567.9	532.4	509.3
142.5°	672.6	680.0	709.5	739.0	709.5	680.0	672.6	625.9	563.5	532.4	511.1
145°	643.5	649.1	671.5	693.8	671.5	649.1	643.5	605.3	554.3	528.8	511.2
147.5°	619.0	623.6	642.2	660.7	642.2	623.6	619.0	588.9	548.9	528.8	514.7
150°	605.0	608.8	623.8	638.8	623.8	608.8	605.0	579.6	545.7	528.8	516.5
152.5°	593.9	596.7	608.1	619.4	608.1	596.7	593.9	572.1	543.3	528.8	517.7
155°	580.5	582.4	589.9	597.4	589.9	582.4	580.5	563.2	540.3	528.8	520.3
157.5°	569.0	570.3	575.6	580.9	575.6	570.3	569.0	555.6	537.7	528.8	523.0
160°	563.2	564.0	567.1	570.1	567.1	564.0	563.2	551.7	536.5	528.8	524.2
162.5°	557.9	558.6	561.5	564.4	561.5	558.6	557.9	548.2	535.3	528.8	525.5
165°	549.6	550.4	553.4	556.4	553.4	550.4	549.6	542.7	533.4	528.8	527.2
167.5°	546.1	546.4	547.6	548.9	547.6	546.4	546.1	541.5	535.4	532.4	531.1
170°	546.1	546.1	546.1	546.1	546.1	546.1	546.1	541.5	535.4	532.4	532.3
172.5°	543.2	542.9	541.8	540.7	541.8	542.9	543.2	539.6	534.8	532.4	532.4
175°	539.2	539.2	539.2	539.2	539.2	539.2	539.2	536.9	533.9	532.4	533.1
177.5°	538.5	538.1	536.9	535.6	536.9	538.1	538.5	536.6	534.3	533.1	533.6
180°	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2435.7	2435.7	2435.7	2435.7	2435.7
2.5°	2405.7	2417.3	2424.2	2433.4	2456.4
5°	2313.5	2357.3	2371.1	2405.7	2447.2
7.5°	2110.8	2244.4	2281.2	2364.3	2428.8
10°	1914.9	2048.6	2113.0	2309.0	2405.7
12.5°	1815.8	1894.1	1937.9	2212.2	2373.4
15°	1753.6	1808.9	1841.1	2083.1	2336.6
17.5°	1705.2	1744.4	1767.4	1956.4	2285.9
20°	1675.3	1693.7	1714.4	1864.2	2228.3
22.5°	1654.5	1643.0	1659.1	1799.7	2149.9
25°	1640.6	1596.9	1615.4	1749.0	2057.7
27.5°	1652.2	1555.4	1562.3	1702.9	1960.9
30°	1654.5	1504.7	1507.0	1654.5	1852.6
32.5°	1638.4	1451.8	1454.0	1594.6	1730.6
35°	1599.2	1389.5	1387.2	1525.4	1564.6
37.5°	1546.2	1322.7	1322.7	1449.4	1382.6
40°	1481.7	1255.8	1262.8	1350.3	1221.3
42.5°	1403.4	1184.4	1193.6	1219.0	1101.5
45°	1318.1	1115.3	1122.2	1030.0	1009.3
47.5°	1223.6	1043.8	1046.2	854.9	979.4
50°	1110.7	970.1	960.9	732.8	977.0
52.5°	1011.6	889.5	861.8	663.6	887.2
55°	914.9	804.2	744.3	610.7	822.7
57.5°	829.6	693.6	636.0	548.4	808.8
60°	751.2	585.3	541.5	481.6	742.0
62.5°	686.7	504.6	495.4	435.5	672.9
65°	617.6	449.4	447.0	396.3	571.4
67.5°	550.8	412.5	410.2	359.5	435.5
70°	479.3	373.3	368.7	320.3	322.6
72.5°	405.6	329.5	324.9	288.0	267.3
75°	331.8	278.8	276.5	251.1	216.6
77.5°	260.4	221.2	225.9	202.7	159.0
80°	186.6	161.3	165.9	145.2	119.8
82.5°	124.4	106.0	110.6	92.2	80.7
85°	69.2	59.9	62.2	48.4	36.9
87.5°	32.3	27.6	27.6	18.4	11.5
90°	15.8	10.0	9.3	6.5	3.6
92.5°	97.6	69.4	63.3	38.8	14.4
95°	240.0	135.2	124.0	79.3	34.5
97.5°	323.3	148.4	138.6	99.1	59.6
100°	353.6	159.6	150.6	114.8	79.1
102.5°	367.5	170.7	162.4	129.1	95.7
105°	377.9	187.3	180.2	151.9	123.7
107.5°	379.7	211.7	205.1	178.8	152.4
110°	376.9	225.4	219.5	195.6	171.8



TEST NUMBER: P934444

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	377.0	241.9	236.2	213.6	190.9
115°	380.5	266.8	261.5	240.6	219.7
117.5°	387.5	290.8	286.0	267.0	248.0
120°	393.3	304.9	300.4	282.5	264.6
122.5°	401.5	321.3	316.8	298.8	280.7
125°	412.6	342.5	338.4	322.0	305.6
127.5°	423.8	363.0	358.8	342.3	325.7
130°	431.9	376.7	372.3	354.3	336.4
132.5°	438.5	387.9	383.4	365.5	347.6
135°	445.7	400.8	396.7	380.5	364.2
137.5°	456.5	417.4	413.3	397.2	381.1
140°	463.1	428.5	424.8	409.9	395.0
142.5°	468.6	436.7	433.3	419.5	405.8
145°	475.9	449.4	446.4	434.4	422.4
147.5°	486.3	465.1	462.3	450.6	438.9
150°	491.9	473.4	470.8	460.3	449.7
152.5°	495.5	478.8	476.8	468.9	460.9
155°	503.4	490.7	489.2	483.3	477.4
157.5°	511.3	502.6	501.1	495.3	489.6
160°	514.9	508.0	506.8	502.4	497.8
162.5°	518.8	513.7	512.8	509.5	506.1
165°	524.2	521.9	521.1	518.2	515.1
167.5°	528.5	526.6	526.3	524.8	523.4
170°	532.1	532.0	531.7	530.2	528.8
172.5°	532.4	532.4	532.3	532.0	531.7
175°	534.6	535.6	535.6	535.6	535.6
177.5°	534.7	535.6	535.6	535.6	535.6
180°	535.6	535.6	535.6	535.6	535.6



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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	14.48	15.48	15.30	16.33	17.38	17.31	18.32	18.13	19.17	20.21
	3H	14.96	15.87	15.80	16.72	17.80	18.67	19.58	19.51	20.43	21.51
	4H	15.16	16.02	16.01	16.88	17.96	19.12	19.98	19.98	20.84	21.93
	6H	15.29	16.08	16.15	16.94	18.04	19.42	20.21	20.28	21.08	22.17
	8H	15.29	16.04	16.17	16.93	18.03	19.50	20.25	20.37	21.14	22.23
	12H	15.27	15.98	16.15	16.86	17.99	19.54	20.26	20.42	21.14	22.26
4H	2H	15.53	16.38	16.38	17.24	18.33	17.74	18.59	18.60	19.46	20.54
	3H	16.57	17.28	17.44	18.17	19.28	19.26	19.97	20.13	20.87	21.97
	4H	16.85	17.50	17.73	18.39	19.52	19.80	20.45	20.68	21.34	22.46
	6H	16.98	17.54	17.88	18.46	19.59	20.17	20.73	21.07	21.65	22.78
	8H	16.99	17.52	17.89	18.43	19.57	20.28	20.81	21.18	21.72	22.86
	12H	16.97	17.44	17.88	18.37	19.52	20.35	20.82	21.27	21.75	22.90
8H	4H	17.32	17.84	18.22	18.75	19.89	19.93	20.46	20.83	21.37	22.51
	6H	17.58	18.02	18.51	18.97	20.11	20.38	20.81	21.30	21.76	22.91
	8H	17.63	18.01	18.56	18.95	20.12	20.53	20.92	21.47	21.86	23.02
	12H	17.62	17.96	18.56	18.89	20.10	20.64	20.98	21.58	21.91	23.12
12H	4H	17.33	17.80	18.25	18.73	19.88	19.90	20.38	20.82	21.30	22.45
	6H	17.65	18.03	18.58	18.97	20.13	20.38	20.76	21.31	21.70	22.86
	8H	17.72	18.06	18.66	18.99	20.21	20.55	20.88	21.48	21.82	23.03