

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: P934476

Luminaire Tested: SQ4-FA-050U-100D-940-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934476
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-940-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

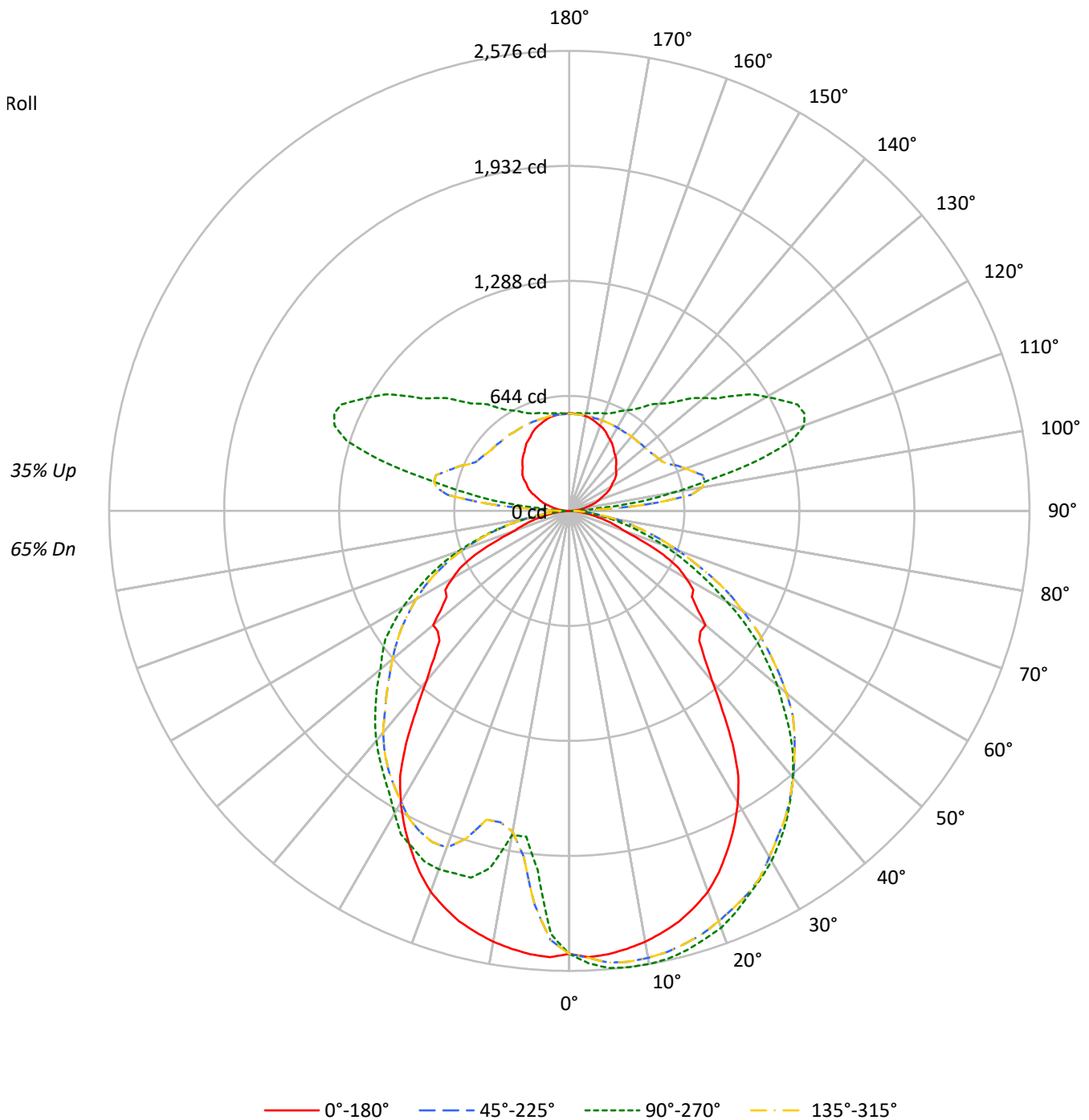
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9968.7 lumens
Efficiency: N/A
Efficacy: 110.3 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				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	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69	69	69	69	65
1	101	97	93	89	95	91	88	84	80	78	75	71	69	67	62	60	59	62	60	59	55
2	92	85	78	73	86	80	74	69	70	66	63	62	59	56	54	52	50	54	52	50	46
3	84	74	67	61	79	70	63	58	62	57	53	55	51	47	48	45	42	48	45	42	39
4	77	66	58	52	72	62	55	49	55	49	45	49	44	41	43	39	36	43	39	36	33
5	71	59	50	44	66	56	48	42	49	43	39	44	39	35	39	35	32	39	35	32	29
6	65	53	44	38	61	50	42	37	45	38	34	40	35	31	35	31	28	35	31	28	25
7	60	48	39	34	56	45	38	32	40	34	30	36	31	27	32	28	25	32	28	25	22
8	56	43	35	30	52	41	34	29	37	31	27	33	28	24	29	25	22	29	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	27	23	20	27	23	20	18
10	49	36	29	24	46	35	28	23	31	25	21	28	23	20	25	21	18	25	21	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11508	11508	11508	11508
5°	11593	11616	11593	9134
10°	11516	11442	11516	8181
15°	11391	11195	11391	9348
20°	11153	10901	11153	9368
25°	10665	10473	10665	9169
30°	10035	10117	10035	8733
35°	8945	9667	8945	8254
40°	7454	9138	7454	7892
45°	6661	8518	6661	7476
50°	7076	7778	7076	7059
55°	6657	6982	6657	6817
60°	6863	5930	6863	6243
65°	6221	4902	6221	5479
70°	4308	3907	4308	4593
75°	3778	2888	3778	3458
80°	3044	1909	3044	2079
85°	1751	1012	1751	859

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10208 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.9	2.2
10°-20°	635.7	6.4
20°-30°	982.6	9.9
30°-40°	1173.1	11.8
40°-50°	1179.9	11.8
50°-60°	1026.7	10.3
60°-70°	727.9	7.3
70°-80°	385.1	3.9
80°-90°	98.0	1.0
90°-100°	265.9	2.7
100°-110°	699.0	7.0
110°-120°	724.8	7.3
120°-130°	581.3	5.8
130°-140°	456.2	4.6
140°-150°	350.1	3.5
150°-160°	252.1	2.5
160°-170°	154.3	1.5
170°-180°	52.1	0.5
0°-30°	1842.2	18.5
0°-40°	3015.3	30.2
0°-60°	5221.9	52.4
0°-90°	6433.0	64.5
90°-120°	1689.6	16.9
90°-150°	3077.2	30.9
90°-180°	3536.0	35.5
0°-180°	9968.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2480	2480	2480	2480	2480	
5°	2492	2569	2492	2020	2492	236
15°	2379	2546	2379	2126	2379	669
25°	2095	2375	2095	2079	2095	962
35°	1593	2119	1593	1809	1593	986
45°	1028	1746	1028	1532	1028	823
55°	838	1288	838	1258	838	770
65°	582	777	582	868	582	556
75°	221	368	221	441	221	232
85°	38	94	38	80	38	51
90°	4	14	4	14	4	5
95°	35	161	35	161	35	39
105°	126	1094	126	1094	126	133
115°	224	1409	224	1409	224	221
125°	311	1122	311	1122	311	276
135°	371	871	371	871	371	287
145°	430	706	430	706	430	269
155°	486	608	486	608	486	223
165°	524	567	524	567	524	148
175°	545	549	545	549	545	52
180°	545	545	545	545	545	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3
2.5°	2501.4	2501.4	2515.4	2520.1	2520.1	2513.1	2506.1	2513.1	2534.3	2541.3	2539.0
5°	2492.0	2510.7	2536.6	2541.3	2546.0	2543.6	2539.0	2543.6	2567.1	2571.8	2574.1
7.5°	2473.3	2508.4	2541.3	2548.3	2555.4	2548.3	2546.0	2550.7	2574.1	2578.8	2578.8
10°	2449.7	2499.0	2536.6	2541.3	2548.3	2541.3	2541.3	2550.7	2574.1	2578.8	2581.1
12.5°	2416.9	2485.0	2520.1	2524.9	2534.3	2531.9	2529.6	2539.0	2562.4	2567.1	2567.1
15°	2379.4	2459.1	2492.0	2496.7	2513.1	2508.4	2508.4	2517.8	2543.6	2550.7	2548.3
17.5°	2327.7	2426.3	2463.8	2470.9	2482.6	2480.3	2482.6	2492.0	2515.4	2520.1	2522.5
20°	2269.1	2381.7	2426.3	2433.3	2445.1	2445.1	2445.1	2456.8	2480.3	2489.7	2489.7
22.5°	2189.3	2334.8	2381.7	2386.4	2400.4	2400.4	2405.1	2421.6	2442.7	2445.1	2445.1
25°	2095.4	2283.1	2323.0	2337.1	2351.2	2358.3	2365.3	2374.7	2381.7	2379.4	2381.7
27.5°	1996.8	2217.4	2269.1	2278.4	2297.3	2304.3	2313.7	2316.0	2318.4	2325.4	2320.7
30°	1886.6	2126.0	2203.4	2212.8	2243.3	2248.0	2238.6	2243.3	2255.0	2259.7	2264.4
32.5°	1762.2	1989.8	2135.4	2156.4	2184.6	2170.5	2168.1	2175.2	2194.0	2194.0	2198.7
35°	1593.2	1884.2	2072.0	2090.7	2111.8	2095.4	2104.8	2107.1	2118.9	2126.0	2123.6
37.5°	1407.9	1792.7	2006.3	2020.4	2036.8	2015.7	2029.7	2036.8	2046.1	2041.5	2041.5
40°	1243.6	1649.6	1928.8	1938.2	1952.3	1935.8	1950.0	1954.7	1959.4	1954.7	1952.3
42.5°	1121.6	1492.4	1846.7	1858.4	1849.1	1860.8	1865.5	1874.8	1867.8	1858.4	1858.4
45°	1027.8	1450.1	1757.5	1771.6	1757.5	1776.4	1783.4	1783.4	1762.2	1757.5	1755.2
47.5°	997.3	1365.7	1668.4	1668.4	1661.4	1684.8	1696.5	1680.1	1659.0	1651.9	1651.9
50°	994.9	1271.8	1546.4	1537.0	1569.8	1598.0	1586.2	1569.8	1553.4	1527.5	1527.5
52.5°	903.5	1156.8	1389.1	1424.4	1475.9	1492.4	1473.6	1457.2	1429.1	1417.3	1407.9
55°	837.7	1037.2	1246.0	1316.4	1370.4	1391.5	1356.2	1339.9	1297.6	1290.6	1285.9
57.5°	823.6	863.5	1114.6	1203.8	1269.5	1267.1	1246.0	1215.5	1180.3	1173.2	1170.9
60°	755.6	624.2	973.8	1079.4	1147.5	1140.4	1121.6	1093.5	1060.6	1055.9	1051.2
62.5°	685.2	452.9	814.2	933.9	1030.1	1027.8	1011.3	969.1	945.6	933.9	924.5
65°	581.9	380.2	579.6	776.7	915.2	919.8	884.6	854.2	828.3	814.2	811.9
67.5°	443.5	309.7	391.9	647.6	804.9	800.2	755.6	741.5	708.6	701.6	687.5
70°	328.5	206.5	272.2	525.6	696.9	685.2	650.0	633.6	603.0	586.6	577.2
72.5°	272.2	166.6	199.4	408.3	586.6	572.6	542.0	523.3	497.5	483.3	474.0
75°	220.6	176.0	152.6	302.7	476.3	467.0	438.8	420.0	398.9	380.2	382.5
77.5°	161.9	164.3	122.0	222.9	377.8	363.7	347.3	323.9	314.4	295.7	295.7
80°	122.0	129.0	91.6	152.6	272.2	272.2	258.1	241.7	225.3	215.9	215.9
82.5°	82.1	82.1	68.0	96.2	185.4	178.3	169.0	164.3	154.9	150.2	150.2
85°	37.6	46.9	42.3	58.7	100.9	105.6	105.6	100.9	98.6	93.9	96.2
87.5°	11.7	21.1	25.8	32.9	51.6	54.0	56.3	56.3	56.3	58.7	58.7
90°	3.6	6.6	9.5	10.2	16.1	23.9	27.8	24.7	18.6	13.9	13.9
92.5°	14.7	39.5	64.5	70.7	99.4	137.6	156.6	137.3	98.6	69.5	66.8
95°	35.2	80.7	126.3	137.6	244.4	386.7	457.9	408.7	310.1	236.1	227.8
97.5°	60.7	100.9	141.1	151.1	329.2	566.5	685.3	654.1	591.8	545.1	529.1
100°	80.5	116.9	153.4	162.5	360.1	623.5	755.2	757.5	762.0	765.4	746.4
102.5°	97.4	131.4	165.3	173.9	374.2	641.4	775.0	814.7	894.0	953.5	937.3
105°	125.9	154.7	183.5	190.7	384.8	643.4	772.7	861.7	1039.8	1173.2	1164.4
107.5°	155.2	182.0	208.9	215.6	386.6	614.8	728.8	852.9	1101.2	1287.4	1289.6
110°	174.9	199.2	223.5	229.5	383.8	589.4	692.2	831.0	1108.5	1316.6	1325.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	194.4	217.5	240.6	246.3	383.9	567.3	658.9	800.9	1085.0	1298.0	1312.0
115°	223.7	245.0	266.3	271.6	387.4	541.9	619.0	755.9	1029.5	1234.7	1254.0
117.5°	252.5	271.9	291.3	296.1	394.6	525.9	591.5	715.0	962.0	1147.2	1168.7
120°	269.4	287.6	305.9	310.4	400.5	520.5	580.6	693.4	919.0	1088.2	1109.1
122.5°	285.8	304.2	322.6	327.2	408.8	517.7	572.1	673.7	877.0	1029.4	1050.0
125°	311.2	327.8	344.6	348.8	420.2	515.4	563.0	649.3	821.9	951.4	970.4
127.5°	331.7	348.5	365.4	369.7	431.6	514.1	555.3	629.4	777.6	888.8	904.8
130°	342.6	360.8	379.1	383.6	439.8	514.9	552.3	618.3	750.3	849.2	864.0
132.5°	354.0	372.2	390.5	395.0	446.6	515.4	549.8	608.9	727.0	815.5	828.8
135°	370.8	387.4	404.0	408.1	453.9	514.9	545.4	594.9	693.8	767.9	779.4
137.5°	388.1	404.5	420.9	425.0	464.9	518.1	544.7	586.5	670.2	732.9	742.2
140°	402.3	417.4	432.5	436.4	471.6	518.6	542.1	578.3	650.5	704.6	713.3
142.5°	413.3	427.2	441.2	444.7	477.2	520.5	542.1	573.8	637.3	684.9	692.5
145°	430.1	442.3	454.6	457.6	484.6	520.5	538.5	564.4	616.4	655.3	660.9
147.5°	446.9	458.8	470.7	473.7	495.2	524.1	538.5	558.9	599.7	630.3	635.0
150°	457.9	468.7	479.4	482.1	500.9	526.0	538.5	555.7	590.3	616.1	619.9
152.5°	469.3	477.5	485.6	487.6	504.6	527.2	538.5	553.2	582.6	604.7	607.7
155°	486.1	492.1	498.2	499.7	512.6	529.9	538.5	550.2	573.6	591.1	593.1
157.5°	498.5	504.4	510.2	511.8	520.6	532.5	538.5	547.5	565.7	579.4	580.8
160°	507.0	511.6	516.1	517.3	524.4	533.8	538.5	546.3	561.8	573.6	574.4
162.5°	515.4	518.9	522.2	523.1	528.3	535.1	538.5	545.1	558.3	568.1	568.9
165°	524.5	527.6	530.7	531.5	533.8	536.9	538.5	543.2	552.6	559.7	560.5
167.5°	533.0	534.4	535.9	536.3	538.2	540.8	542.1	545.2	551.4	556.1	556.4
170°	538.5	539.9	541.4	541.8	541.9	542.0	542.1	545.2	551.4	556.1	556.1
172.5°	541.4	541.8	542.0	542.1	542.1	542.1	542.1	544.6	549.5	553.1	552.9
175°	545.4	545.4	545.4	545.4	544.3	542.8	542.1	543.6	546.7	549.1	549.1
177.5°	545.4	545.4	545.4	545.4	544.5	543.4	542.8	544.1	546.5	548.3	548.0
180°	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3
2.5°	2543.6	2536.6	2543.6	2539.0	2541.3	2534.3	2513.1	2506.1	2513.1	2520.1	2520.1
5°	2574.1	2569.4	2574.1	2574.1	2571.8	2567.1	2543.6	2539.0	2543.6	2546.0	2541.3
7.5°	2583.5	2576.4	2583.5	2578.8	2578.8	2574.1	2550.7	2546.0	2548.3	2555.4	2548.3
10°	2583.5	2576.4	2583.5	2581.1	2578.8	2574.1	2550.7	2541.3	2541.3	2548.3	2541.3
12.5°	2571.8	2567.1	2571.8	2567.1	2567.1	2562.4	2539.0	2529.6	2531.9	2534.3	2524.9
15°	2553.0	2546.0	2553.0	2548.3	2550.7	2543.6	2517.8	2508.4	2508.4	2513.1	2496.7
17.5°	2524.9	2515.4	2524.9	2522.5	2520.1	2515.4	2492.0	2482.6	2480.3	2482.6	2470.9
20°	2492.0	2485.0	2492.0	2489.7	2489.7	2480.3	2456.8	2445.1	2445.1	2445.1	2433.3
22.5°	2440.4	2433.3	2440.4	2445.1	2445.1	2442.7	2421.6	2405.1	2400.4	2400.4	2386.4
25°	2381.7	2374.7	2381.7	2381.7	2379.4	2381.7	2374.7	2365.3	2358.3	2351.2	2337.1
27.5°	2325.4	2320.7	2325.4	2320.7	2325.4	2318.4	2316.0	2313.7	2304.3	2297.3	2278.4
30°	2269.1	2264.4	2269.1	2264.4	2259.7	2255.0	2243.3	2238.6	2248.0	2243.3	2212.8
32.5°	2198.7	2194.0	2198.7	2198.7	2194.0	2194.0	2175.2	2168.1	2170.5	2184.6	2156.4
35°	2126.0	2118.9	2126.0	2123.6	2126.0	2118.9	2107.1	2104.8	2095.4	2111.8	2090.7
37.5°	2041.5	2034.4	2041.5	2041.5	2041.5	2046.1	2036.8	2029.7	2015.7	2036.8	2020.4
40°	1954.7	1945.3	1954.7	1952.3	1954.7	1959.4	1954.7	1950.0	1935.8	1952.3	1938.2
42.5°	1856.1	1853.8	1856.1	1858.4	1858.4	1867.8	1874.8	1865.5	1860.8	1849.1	1858.4
45°	1750.5	1745.8	1750.5	1755.2	1757.5	1762.2	1783.4	1783.4	1776.4	1757.5	1771.6
47.5°	1637.8	1626.1	1637.8	1651.9	1651.9	1659.0	1680.1	1696.5	1684.8	1661.4	1668.4
50°	1518.2	1520.5	1518.2	1527.5	1527.5	1553.4	1569.8	1586.2	1598.0	1569.8	1537.0
52.5°	1400.9	1398.5	1400.9	1407.9	1417.3	1429.1	1457.2	1473.6	1492.4	1475.9	1424.4
55°	1283.5	1288.2	1283.5	1285.9	1290.6	1297.6	1339.9	1356.2	1391.5	1370.4	1316.4
57.5°	1166.2	1159.2	1166.2	1170.9	1173.2	1180.3	1215.5	1246.0	1267.1	1269.5	1203.8
60°	1030.1	1020.8	1030.1	1051.2	1055.9	1060.6	1093.5	1121.6	1140.4	1147.5	1079.4
62.5°	910.5	894.0	910.5	924.5	933.9	945.6	969.1	1011.3	1027.8	1030.1	933.9
65°	783.7	776.7	783.7	811.9	814.2	828.3	854.2	884.6	919.8	915.2	776.7
67.5°	668.8	668.8	668.8	687.5	701.6	708.6	741.5	755.6	800.2	804.9	647.6
70°	563.2	560.9	563.2	577.2	586.6	603.0	633.6	650.0	685.2	696.9	525.6
72.5°	462.3	459.9	462.3	474.0	483.3	497.5	523.3	542.0	572.6	586.6	408.3
75°	373.1	368.4	373.1	382.5	380.2	398.9	420.0	438.8	467.0	476.3	302.7
77.5°	286.3	286.3	286.3	295.7	295.7	314.4	323.9	347.3	363.7	377.8	222.9
80°	213.6	211.2	213.6	215.9	215.9	225.3	241.7	258.1	272.2	272.2	152.6
82.5°	150.2	145.5	150.2	150.2	150.2	154.9	164.3	169.0	178.3	185.4	96.2
85°	93.9	93.9	93.9	96.2	93.9	98.6	100.9	105.6	105.6	100.9	58.7
87.5°	61.0	58.7	61.0	58.7	58.7	56.3	56.3	56.3	54.0	51.6	32.9
90°	13.9	13.9	13.9	13.9	13.9	18.6	24.7	27.8	23.9	16.1	10.2
92.5°	55.7	44.7	55.7	66.8	69.5	98.6	137.3	156.6	137.6	99.4	70.7
95°	194.2	160.7	194.2	227.8	236.1	310.1	408.7	457.9	386.7	244.4	137.6
97.5°	465.3	401.6	465.3	529.1	545.1	591.8	654.1	685.3	566.5	329.2	151.1
100°	670.4	594.4	670.4	746.4	765.4	762.0	757.5	755.2	623.5	360.1	162.5
102.5°	872.2	807.1	872.2	937.3	953.5	894.0	814.7	775.0	641.4	374.2	173.9
105°	1129.4	1094.5	1129.4	1164.4	1173.2	1039.8	861.7	772.7	643.4	384.8	190.7
107.5°	1298.0	1306.4	1298.0	1289.6	1287.4	1101.2	852.9	728.8	614.8	386.6	215.6
110°	1362.2	1398.7	1362.2	1325.8	1316.6	1108.5	831.0	692.2	589.4	383.8	229.5



TEST NUMBER: P934476

CATALOG NUMBER: SQ4-FA-050U-100D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1368.0	1423.9	1368.0	1312.0	1298.0	1085.0	800.9	658.9	567.3	383.9	246.3
115°	1331.6	1409.3	1331.6	1254.0	1234.7	1029.5	755.9	619.0	541.9	387.4	271.6
117.5°	1254.8	1340.9	1254.8	1168.7	1147.2	962.0	715.0	591.5	525.9	394.6	296.1
120°	1192.8	1276.4	1192.8	1109.1	1088.2	919.0	693.4	580.6	520.5	400.5	310.4
122.5°	1132.5	1215.0	1132.5	1050.0	1029.4	877.0	673.7	572.1	517.7	408.8	327.2
125°	1046.3	1122.3	1046.3	970.4	951.4	821.9	649.3	563.0	515.4	420.2	348.8
127.5°	968.9	1033.0	968.9	904.8	888.8	777.6	629.4	555.3	514.1	431.6	369.7
130°	923.3	982.5	923.3	864.0	849.2	750.3	618.3	552.3	514.9	439.8	383.6
132.5°	881.9	934.9	881.9	828.8	815.5	727.0	608.9	549.8	515.4	446.6	395.0
135°	825.1	870.9	825.1	779.4	767.9	693.8	594.9	545.4	514.9	453.9	408.1
137.5°	779.7	817.0	779.7	742.2	732.9	670.2	586.5	544.7	518.1	464.9	425.0
140°	748.3	783.3	748.3	713.3	704.6	650.5	578.3	542.1	518.6	471.6	436.4
142.5°	722.5	752.6	722.5	692.5	684.9	637.3	573.8	542.1	520.5	477.2	444.7
145°	683.8	706.5	683.8	660.9	655.3	616.4	564.4	538.5	520.5	484.6	457.6
147.5°	653.9	672.8	653.9	635.0	630.3	599.7	558.9	538.5	524.1	495.2	473.7
150°	635.2	650.5	635.2	619.9	616.1	590.3	555.7	538.5	526.0	500.9	482.1
152.5°	619.2	630.7	619.2	607.7	604.7	582.6	553.2	538.5	527.2	504.6	487.6
155°	600.7	608.4	600.7	593.1	591.1	573.6	550.2	538.5	529.9	512.6	499.7
157.5°	586.2	591.5	586.2	580.8	579.4	565.7	547.5	538.5	532.5	520.6	511.8
160°	577.5	580.6	577.5	574.4	573.6	561.8	546.3	538.5	533.8	524.4	517.3
162.5°	571.8	574.7	571.8	568.9	568.1	558.3	545.1	538.5	535.1	528.3	523.1
165°	563.5	566.6	563.5	560.5	559.7	552.6	543.2	538.5	536.9	533.8	531.5
167.5°	557.7	559.0	557.7	556.4	556.1	551.4	545.2	542.1	540.8	538.2	536.3
170°	556.1	556.1	556.1	556.1	556.1	551.4	545.2	542.1	542.0	541.9	541.8
172.5°	551.7	550.6	551.7	552.9	553.1	549.5	544.6	542.1	542.1	542.1	542.1
175°	549.1	549.1	549.1	549.1	549.1	546.7	543.6	542.1	542.8	544.3	545.4
177.5°	546.7	545.4	546.7	548.0	548.3	546.5	544.1	542.8	543.4	544.5	545.4
180°	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4



TEST NUMBER: P934476

CATALOG NUMBER: SQ4-FA-050U-100D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3
2.5°	2515.4	2501.4	2501.4	2478.0	2468.6	2461.5	2449.7	2414.6	2405.1	2395.8	2409.9
5°	2536.6	2510.7	2492.0	2449.7	2414.6	2400.4	2355.9	2271.4	2215.1	2172.8	2149.4
7.5°	2541.3	2508.4	2473.3	2407.5	2323.0	2285.5	2149.4	1994.5	1952.3	1914.8	1891.3
10°	2536.6	2499.0	2449.7	2351.2	2151.7	2086.1	1950.0	1849.1	1823.2	1816.2	1823.2
12.5°	2520.1	2485.0	2416.9	2252.7	1973.4	1928.8	1849.1	1790.4	1785.7	1797.4	1860.8
15°	2492.0	2459.1	2379.4	2121.3	1874.8	1842.0	1785.7	1764.5	1790.4	1872.5	2062.6
17.5°	2463.8	2426.3	2327.7	1992.2	1799.8	1776.4	1736.4	1778.7	1924.1	2034.4	2097.8
20°	2426.3	2381.7	2269.1	1898.4	1745.8	1724.7	1705.9	1896.0	2006.3	2046.1	2081.4
22.5°	2381.7	2334.8	2189.3	1832.7	1689.5	1673.1	1684.8	1961.7	2006.3	2034.4	2065.0
25°	2323.0	2283.1	2095.4	1781.0	1644.9	1626.1	1670.7	1954.7	1980.4	1987.5	2048.5
27.5°	2269.1	2217.4	1996.8	1734.1	1590.9	1583.9	1682.5	1924.1	1942.9	1950.0	2015.7
30°	2203.4	2126.0	1886.6	1684.8	1534.6	1532.2	1684.8	1886.6	1881.9	1900.7	1966.4
32.5°	2135.4	1989.8	1762.2	1623.8	1480.7	1478.3	1668.4	1830.3	1825.6	1851.4	1900.7
35°	2072.0	1884.2	1593.2	1553.4	1412.6	1414.9	1628.5	1764.5	1766.9	1790.4	1820.9
37.5°	2006.3	1792.7	1407.9	1475.9	1346.9	1346.9	1574.5	1703.5	1698.9	1705.9	1748.1
40°	1928.8	1649.6	1243.6	1375.1	1285.9	1278.8	1508.8	1637.8	1621.4	1619.1	1677.8
42.5°	1846.7	1492.4	1121.6	1241.3	1215.5	1206.1	1429.1	1558.1	1527.5	1534.6	1609.7
45°	1757.5	1450.1	1027.8	1048.9	1142.8	1135.8	1342.2	1466.5	1445.5	1464.2	1541.7
47.5°	1668.4	1365.7	997.3	870.6	1065.3	1062.9	1246.0	1377.4	1365.7	1384.5	1466.5
50°	1546.4	1271.8	994.9	746.2	978.5	987.9	1131.0	1290.6	1290.6	1307.0	1393.8
52.5°	1389.1	1156.8	903.5	675.8	877.6	905.8	1030.1	1215.5	1220.2	1236.6	1314.1
55°	1246.0	1037.2	837.7	621.9	757.9	818.9	931.6	1138.1	1147.5	1163.9	1234.2
57.5°	1114.6	863.5	823.6	558.5	647.6	706.3	844.8	1062.9	1067.6	1081.8	1149.8
60°	973.8	624.2	755.6	490.4	551.4	596.0	764.9	973.8	990.2	999.6	1058.3
62.5°	814.2	452.9	685.2	443.5	504.5	513.9	699.3	889.3	910.5	917.5	952.6
65°	579.6	380.2	581.9	403.6	455.2	457.6	628.9	802.5	821.3	833.0	858.8
67.5°	391.9	309.7	443.5	366.0	417.7	420.0	560.9	701.6	727.4	736.8	753.2
70°	272.2	206.5	328.5	326.2	375.4	380.2	488.0	610.1	633.6	640.6	650.0
72.5°	199.4	166.6	272.2	293.3	330.9	335.6	413.0	506.9	530.3	537.3	542.0
75°	152.6	176.0	220.6	255.7	281.6	283.9	337.9	413.0	429.4	434.1	436.5
77.5°	122.0	164.3	161.9	206.5	230.0	225.3	265.2	319.1	333.2	333.2	333.2
80°	91.6	129.0	122.0	147.9	169.0	164.3	190.0	227.6	232.3	237.0	234.6
82.5°	68.0	82.1	82.1	93.9	112.6	108.0	126.7	147.9	147.9	147.9	152.6
85°	42.3	46.9	37.6	49.3	63.3	61.0	70.4	79.7	82.1	82.1	77.4
87.5°	25.8	21.1	11.7	18.7	28.1	28.1	32.9	35.2	32.9	32.9	32.9
90°	9.5	6.6	3.6	6.6	9.5	10.2	16.1	23.9	27.8	24.7	18.6
92.5°	64.5	39.5	14.7	39.5	64.5	70.7	99.4	137.6	156.6	137.3	98.6
95°	126.3	80.7	35.2	80.7	126.3	137.6	244.4	386.7	457.9	408.7	310.1
97.5°	141.1	100.9	60.7	100.9	141.1	151.1	329.2	566.5	685.3	654.1	591.8
100°	153.4	116.9	80.5	116.9	153.4	162.5	360.1	623.5	755.2	757.5	762.0
102.5°	165.3	131.4	97.4	131.4	165.3	173.9	374.2	641.4	775.0	814.7	894.0
105°	183.5	154.7	125.9	154.7	183.5	190.7	384.8	643.4	772.7	861.7	1039.8
107.5°	208.9	182.0	155.2	182.0	208.9	215.6	386.6	614.8	728.8	852.9	1101.2
110°	223.5	199.2	174.9	199.2	223.5	229.5	383.8	589.4	692.2	831.0	1108.5



TEST NUMBER: P934476

CATALOG NUMBER: SQ4-FA-050U-100D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	240.6	217.5	194.4	217.5	240.6	246.3	383.9	567.3	658.9	800.9	1085.0
115°	266.3	245.0	223.7	245.0	266.3	271.6	387.4	541.9	619.0	755.9	1029.5
117.5°	291.3	271.9	252.5	271.9	291.3	296.1	394.6	525.9	591.5	715.0	962.0
120°	305.9	287.6	269.4	287.6	305.9	310.4	400.5	520.5	580.6	693.4	919.0
122.5°	322.6	304.2	285.8	304.2	322.6	327.2	408.8	517.7	572.1	673.7	877.0
125°	344.6	327.8	311.2	327.8	344.6	348.8	420.2	515.4	563.0	649.3	821.9
127.5°	365.4	348.5	331.7	348.5	365.4	369.7	431.6	514.1	555.3	629.4	777.6
130°	379.1	360.8	342.6	360.8	379.1	383.6	439.8	514.9	552.3	618.3	750.3
132.5°	390.5	372.2	354.0	372.2	390.5	395.0	446.6	515.4	549.8	608.9	727.0
135°	404.0	387.4	370.8	387.4	404.0	408.1	453.9	514.9	545.4	594.9	693.8
137.5°	420.9	404.5	388.1	404.5	420.9	425.0	464.9	518.1	544.7	586.5	670.2
140°	432.5	417.4	402.3	417.4	432.5	436.4	471.6	518.6	542.1	578.3	650.5
142.5°	441.2	427.2	413.3	427.2	441.2	444.7	477.2	520.5	542.1	573.8	637.3
145°	454.6	442.3	430.1	442.3	454.6	457.6	484.6	520.5	538.5	564.4	616.4
147.5°	470.7	458.8	446.9	458.8	470.7	473.7	495.2	524.1	538.5	558.9	599.7
150°	479.4	468.7	457.9	468.7	479.4	482.1	500.9	526.0	538.5	555.7	590.3
152.5°	485.6	477.5	469.3	477.5	485.6	487.6	504.6	527.2	538.5	553.2	582.6
155°	498.2	492.1	486.1	492.1	498.2	499.7	512.6	529.9	538.5	550.2	573.6
157.5°	510.2	504.4	498.5	504.4	510.2	511.8	520.6	532.5	538.5	547.5	565.7
160°	516.1	511.6	507.0	511.6	516.1	517.3	524.4	533.8	538.5	546.3	561.8
162.5°	522.2	518.9	515.4	518.9	522.2	523.1	528.3	535.1	538.5	545.1	558.3
165°	530.7	527.6	524.5	527.6	530.7	531.5	533.8	536.9	538.5	543.2	552.6
167.5°	535.9	534.4	533.0	534.4	535.9	536.3	538.2	540.8	542.1	545.2	551.4
170°	541.4	539.9	538.5	539.9	541.4	541.8	541.9	542.0	542.1	545.2	551.4
172.5°	542.0	541.8	541.4	541.8	542.0	542.1	542.1	542.1	542.1	544.6	549.5
175°	545.4	545.4	545.4	545.4	545.4	545.4	544.3	542.8	542.1	543.6	546.7
177.5°	545.4	545.4	545.4	545.4	545.4	545.4	544.5	543.4	542.8	544.1	546.5
180°	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4



TEST NUMBER: P934476
 CATALOG NUMBER: SQ4-FA-050U-100D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3
2.5°	2393.4	2386.4	2395.8	2370.0	2395.8	2386.4	2393.4	2409.9	2395.8	2405.1	2414.6
5°	2100.1	2088.4	2050.8	2020.4	2050.8	2088.4	2100.1	2149.4	2172.8	2215.1	2271.4
7.5°	1877.2	1867.8	1858.4	1839.7	1858.4	1867.8	1877.2	1891.3	1914.8	1952.3	1994.5
10°	1827.9	1830.3	1844.4	1842.0	1844.4	1830.3	1827.9	1823.2	1816.2	1823.2	1849.1
12.5°	1954.7	1975.8	2053.2	2048.5	2053.2	1975.8	1954.7	1860.8	1797.4	1785.7	1790.4
15°	2100.1	2107.1	2123.6	2126.0	2123.6	2107.1	2100.1	2062.6	1872.5	1790.4	1764.5
17.5°	2114.2	2116.5	2128.3	2128.3	2128.3	2116.5	2114.2	2097.8	2034.4	1924.1	1778.7
20°	2102.5	2107.1	2130.7	2135.4	2130.7	2107.1	2102.5	2081.4	2046.1	2006.3	1896.0
22.5°	2097.8	2107.1	2126.0	2123.6	2126.0	2107.1	2097.8	2065.0	2034.4	2006.3	1961.7
25°	2074.3	2074.3	2076.7	2079.0	2076.7	2074.3	2074.3	2048.5	1987.5	1980.4	1954.7
27.5°	2025.1	2029.7	2043.8	2041.5	2043.8	2029.7	2025.1	2015.7	1950.0	1942.9	1924.1
30°	1980.4	1975.8	1964.0	1954.7	1964.0	1975.8	1980.4	1966.4	1900.7	1881.9	1886.6
32.5°	1905.4	1893.7	1881.9	1874.8	1881.9	1893.7	1905.4	1900.7	1851.4	1825.6	1830.3
35°	1816.2	1818.5	1816.2	1809.1	1816.2	1818.5	1816.2	1820.9	1790.4	1766.9	1764.5
37.5°	1752.8	1757.5	1755.2	1745.8	1755.2	1757.5	1752.8	1748.1	1705.9	1698.9	1703.5
40°	1687.1	1689.5	1687.1	1680.1	1687.1	1689.5	1687.1	1677.8	1619.1	1621.4	1637.8
42.5°	1623.8	1621.4	1614.4	1609.7	1614.4	1621.4	1623.8	1609.7	1534.6	1527.5	1558.1
45°	1551.1	1553.4	1539.3	1532.2	1539.3	1553.4	1551.1	1541.7	1464.2	1445.5	1466.5
47.5°	1478.3	1478.3	1466.5	1459.5	1466.5	1478.3	1478.3	1466.5	1384.5	1365.7	1377.4
50°	1400.9	1398.5	1382.1	1379.8	1382.1	1398.5	1400.9	1393.8	1307.0	1290.6	1290.6
52.5°	1311.7	1311.7	1314.1	1318.8	1314.1	1311.7	1311.7	1314.1	1236.6	1220.2	1215.5
55°	1234.2	1236.6	1253.1	1257.8	1253.1	1236.6	1234.2	1234.2	1163.9	1147.5	1138.1
57.5°	1154.5	1154.5	1166.2	1166.2	1166.2	1154.5	1154.5	1149.8	1081.8	1067.6	1062.9
60°	1062.9	1067.6	1077.1	1074.7	1077.1	1067.6	1062.9	1058.3	999.6	990.2	973.8
62.5°	966.8	971.5	973.8	969.1	973.8	971.5	966.8	952.6	917.5	910.5	889.3
65°	865.9	870.6	872.9	868.2	872.9	870.6	865.9	858.8	833.0	821.3	802.5
67.5°	762.6	760.3	757.9	767.3	757.9	760.3	762.6	753.2	736.8	727.4	701.6
70°	657.0	657.0	654.6	659.3	654.6	657.0	657.0	650.0	640.6	633.6	610.1
72.5°	544.4	542.0	551.4	544.4	551.4	542.0	544.4	542.0	537.3	530.3	506.9
75°	434.1	438.8	434.1	441.2	434.1	438.8	434.1	436.5	434.1	429.4	413.0
77.5°	330.9	335.6	330.9	330.9	330.9	335.6	330.9	333.2	333.2	333.2	319.1
80°	234.6	232.3	232.3	230.0	232.3	232.3	234.6	234.6	237.0	232.3	227.6
82.5°	150.2	147.9	147.9	152.6	147.9	147.9	150.2	152.6	147.9	147.9	147.9
85°	82.1	84.4	79.7	79.7	79.7	84.4	82.1	77.4	82.1	82.1	79.7
87.5°	30.5	28.1	28.1	28.1	28.1	28.1	30.5	32.9	32.9	32.9	35.2
90°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	18.6	24.7	27.8	23.9
92.5°	69.5	66.8	55.7	44.7	55.7	66.8	69.5	98.6	137.3	156.6	137.6
95°	236.1	227.8	194.2	160.7	194.2	227.8	236.1	310.1	408.7	457.9	386.7
97.5°	545.1	529.1	465.3	401.6	465.3	529.1	545.1	591.8	654.1	685.3	566.5
100°	765.4	746.4	670.4	594.4	670.4	746.4	765.4	762.0	757.5	755.2	623.5
102.5°	953.5	937.3	872.2	807.1	872.2	937.3	953.5	894.0	814.7	775.0	641.4
105°	1173.2	1164.4	1129.4	1094.5	1129.4	1164.4	1173.2	1039.8	861.7	772.7	643.4
107.5°	1287.4	1289.6	1298.0	1306.4	1298.0	1289.6	1287.4	1101.2	852.9	728.8	614.8
110°	1316.6	1325.8	1362.2	1398.7	1362.2	1325.8	1316.6	1108.5	831.0	692.2	589.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1298.0	1312.0	1368.0	1423.9	1368.0	1312.0	1298.0	1085.0	800.9	658.9	567.3
115°	1234.7	1254.0	1331.6	1409.3	1331.6	1254.0	1234.7	1029.5	755.9	619.0	541.9
117.5°	1147.2	1168.7	1254.8	1340.9	1254.8	1168.7	1147.2	962.0	715.0	591.5	525.9
120°	1088.2	1109.1	1192.8	1276.4	1192.8	1109.1	1088.2	919.0	693.4	580.6	520.5
122.5°	1029.4	1050.0	1132.5	1215.0	1132.5	1050.0	1029.4	877.0	673.7	572.1	517.7
125°	951.4	970.4	1046.3	1122.3	1046.3	970.4	951.4	821.9	649.3	563.0	515.4
127.5°	888.8	904.8	968.9	1033.0	968.9	904.8	888.8	777.6	629.4	555.3	514.1
130°	849.2	864.0	923.3	982.5	923.3	864.0	849.2	750.3	618.3	552.3	514.9
132.5°	815.5	828.8	881.9	934.9	881.9	828.8	815.5	727.0	608.9	549.8	515.4
135°	767.9	779.4	825.1	870.9	825.1	779.4	767.9	693.8	594.9	545.4	514.9
137.5°	732.9	742.2	779.7	817.0	779.7	742.2	732.9	670.2	586.5	544.7	518.1
140°	704.6	713.3	748.3	783.3	748.3	713.3	704.6	650.5	578.3	542.1	518.6
142.5°	684.9	692.5	722.5	752.6	722.5	692.5	684.9	637.3	573.8	542.1	520.5
145°	655.3	660.9	683.8	706.5	683.8	660.9	655.3	616.4	564.4	538.5	520.5
147.5°	630.3	635.0	653.9	672.8	653.9	635.0	630.3	599.7	558.9	538.5	524.1
150°	616.1	619.9	635.2	650.5	635.2	619.9	616.1	590.3	555.7	538.5	526.0
152.5°	604.7	607.7	619.2	630.7	619.2	607.7	604.7	582.6	553.2	538.5	527.2
155°	591.1	593.1	600.7	608.4	600.7	593.1	591.1	573.6	550.2	538.5	529.9
157.5°	579.4	580.8	586.2	591.5	586.2	580.8	579.4	565.7	547.5	538.5	532.5
160°	573.6	574.4	577.5	580.6	577.5	574.4	573.6	561.8	546.3	538.5	533.8
162.5°	568.1	568.9	571.8	574.7	571.8	568.9	568.1	558.3	545.1	538.5	535.1
165°	559.7	560.5	563.5	566.6	563.5	560.5	559.7	552.6	543.2	538.5	536.9
167.5°	556.1	556.4	557.7	559.0	557.7	556.4	556.1	551.4	545.2	542.1	540.8
170°	556.1	556.1	556.1	556.1	556.1	556.1	556.1	551.4	545.2	542.1	542.0
172.5°	553.1	552.9	551.7	550.6	551.7	552.9	553.1	549.5	544.6	542.1	542.1
175°	549.1	549.1	549.1	549.1	549.1	549.1	549.1	546.7	543.6	542.1	542.8
177.5°	548.3	548.0	546.7	545.4	546.7	548.0	548.3	546.5	544.1	542.8	543.4
180°	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4



TEST NUMBER: P934476

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2480.3	2480.3	2480.3	2480.3	2480.3
2.5°	2449.7	2461.5	2468.6	2478.0	2501.4
5°	2355.9	2400.4	2414.6	2449.7	2492.0
7.5°	2149.4	2285.5	2323.0	2407.5	2473.3
10°	1950.0	2086.1	2151.7	2351.2	2449.7
12.5°	1849.1	1928.8	1973.4	2252.7	2416.9
15°	1785.7	1842.0	1874.8	2121.3	2379.4
17.5°	1736.4	1776.4	1799.8	1992.2	2327.7
20°	1705.9	1724.7	1745.8	1898.4	2269.1
22.5°	1684.8	1673.1	1689.5	1832.7	2189.3
25°	1670.7	1626.1	1644.9	1781.0	2095.4
27.5°	1682.5	1583.9	1590.9	1734.1	1996.8
30°	1684.8	1532.2	1534.6	1684.8	1886.6
32.5°	1668.4	1478.3	1480.7	1623.8	1762.2
35°	1628.5	1414.9	1412.6	1553.4	1593.2
37.5°	1574.5	1346.9	1346.9	1475.9	1407.9
40°	1508.8	1278.8	1285.9	1375.1	1243.6
42.5°	1429.1	1206.1	1215.5	1241.3	1121.6
45°	1342.2	1135.8	1142.8	1048.9	1027.8
47.5°	1246.0	1062.9	1065.3	870.6	997.3
50°	1131.0	987.9	978.5	746.2	994.9
52.5°	1030.1	905.8	877.6	675.8	903.5
55°	931.6	818.9	757.9	621.9	837.7
57.5°	844.8	706.3	647.6	558.5	823.6
60°	764.9	596.0	551.4	490.4	755.6
62.5°	699.3	513.9	504.5	443.5	685.2
65°	628.9	457.6	455.2	403.6	581.9
67.5°	560.9	420.0	417.7	366.0	443.5
70°	488.0	380.2	375.4	326.2	328.5
72.5°	413.0	335.6	330.9	293.3	272.2
75°	337.9	283.9	281.6	255.7	220.6
77.5°	265.2	225.3	230.0	206.5	161.9
80°	190.0	164.3	169.0	147.9	122.0
82.5°	126.7	108.0	112.6	93.9	82.1
85°	70.4	61.0	63.3	49.3	37.6
87.5°	32.9	28.1	28.1	18.7	11.7
90°	16.1	10.2	9.5	6.6	3.6
92.5°	99.4	70.7	64.5	39.5	14.7
95°	244.4	137.6	126.3	80.7	35.2
97.5°	329.2	151.1	141.1	100.9	60.7
100°	360.1	162.5	153.4	116.9	80.5
102.5°	374.2	173.9	165.3	131.4	97.4
105°	384.8	190.7	183.5	154.7	125.9
107.5°	386.6	215.6	208.9	182.0	155.2
110°	383.8	229.5	223.5	199.2	174.9



TEST NUMBER: P934476

CATALOG NUMBER: SQ4-FA-050U-100D-940-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	383.9	246.3	240.6	217.5	194.4
115°	387.4	271.6	266.3	245.0	223.7
117.5°	394.6	296.1	291.3	271.9	252.5
120°	400.5	310.4	305.9	287.6	269.4
122.5°	408.8	327.2	322.6	304.2	285.8
125°	420.2	348.8	344.6	327.8	311.2
127.5°	431.6	369.7	365.4	348.5	331.7
130°	439.8	383.6	379.1	360.8	342.6
132.5°	446.6	395.0	390.5	372.2	354.0
135°	453.9	408.1	404.0	387.4	370.8
137.5°	464.9	425.0	420.9	404.5	388.1
140°	471.6	436.4	432.5	417.4	402.3
142.5°	477.2	444.7	441.2	427.2	413.3
145°	484.6	457.6	454.6	442.3	430.1
147.5°	495.2	473.7	470.7	458.8	446.9
150°	500.9	482.1	479.4	468.7	457.9
152.5°	504.6	487.6	485.6	477.5	469.3
155°	512.6	499.7	498.2	492.1	486.1
157.5°	520.6	511.8	510.2	504.4	498.5
160°	524.4	517.3	516.1	511.6	507.0
162.5°	528.3	523.1	522.2	518.9	515.4
165°	533.8	531.5	530.7	527.6	524.5
167.5°	538.2	536.3	535.9	534.4	533.0
170°	541.9	541.8	541.4	539.9	538.5
172.5°	542.1	542.1	542.0	541.8	541.4
175°	544.3	545.4	545.4	545.4	545.4
177.5°	544.5	545.4	545.4	545.4	545.4
180°	545.4	545.4	545.4	545.4	545.4



TEST NUMBER: P934476
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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	14.54	15.55	15.36	16.39	17.44	17.38	18.38	18.20	19.23	20.28
	3H	15.03	15.93	15.86	16.78	17.86	18.73	19.64	19.57	20.49	21.57
	4H	15.22	16.08	16.08	16.94	18.03	19.19	20.04	20.04	20.90	21.99
	6H	15.35	16.14	16.21	17.01	18.11	19.48	20.27	20.35	21.14	22.24
	8H	15.36	16.11	16.23	16.99	18.09	19.56	20.31	20.43	21.20	22.30
	12H	15.33	16.05	16.21	16.93	18.05	19.61	20.32	20.48	21.20	22.33
4H	2H	15.59	16.44	16.45	17.31	18.39	17.80	18.66	18.66	19.52	20.60
	3H	16.63	17.34	17.50	18.24	19.34	19.32	20.04	20.19	20.93	22.03
	4H	16.91	17.56	17.79	18.45	19.58	19.86	20.51	20.74	21.40	22.53
	6H	17.05	17.61	17.94	18.52	19.65	20.24	20.80	21.13	21.71	22.84
	8H	17.06	17.58	17.95	18.49	19.63	20.35	20.87	21.25	21.78	22.92
	12H	17.03	17.50	17.95	18.43	19.58	20.41	20.88	21.33	21.81	22.96
8H	4H	17.38	17.90	18.28	18.81	19.96	20.00	20.52	20.89	21.43	22.57
	6H	17.65	18.08	18.57	19.03	20.17	20.44	20.87	21.37	21.82	22.97
	8H	17.69	18.08	18.63	19.02	20.18	20.60	20.98	21.53	21.92	23.08
	12H	17.68	18.02	18.62	18.96	20.17	20.70	21.04	21.64	21.98	23.19
12H	4H	17.39	17.87	18.31	18.79	19.94	19.97	20.44	20.89	21.37	22.52
	6H	17.71	18.09	18.65	19.04	20.20	20.44	20.82	21.37	21.77	22.93
	8H	17.78	18.12	18.72	19.06	20.27	20.61	20.95	21.55	21.88	23.09