

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: P934317

Luminaire Tested: SQ4-FA-050U-075D-840-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934317
REPORT IS A COMBINATION OF REPORTS P933693 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-075D-840-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

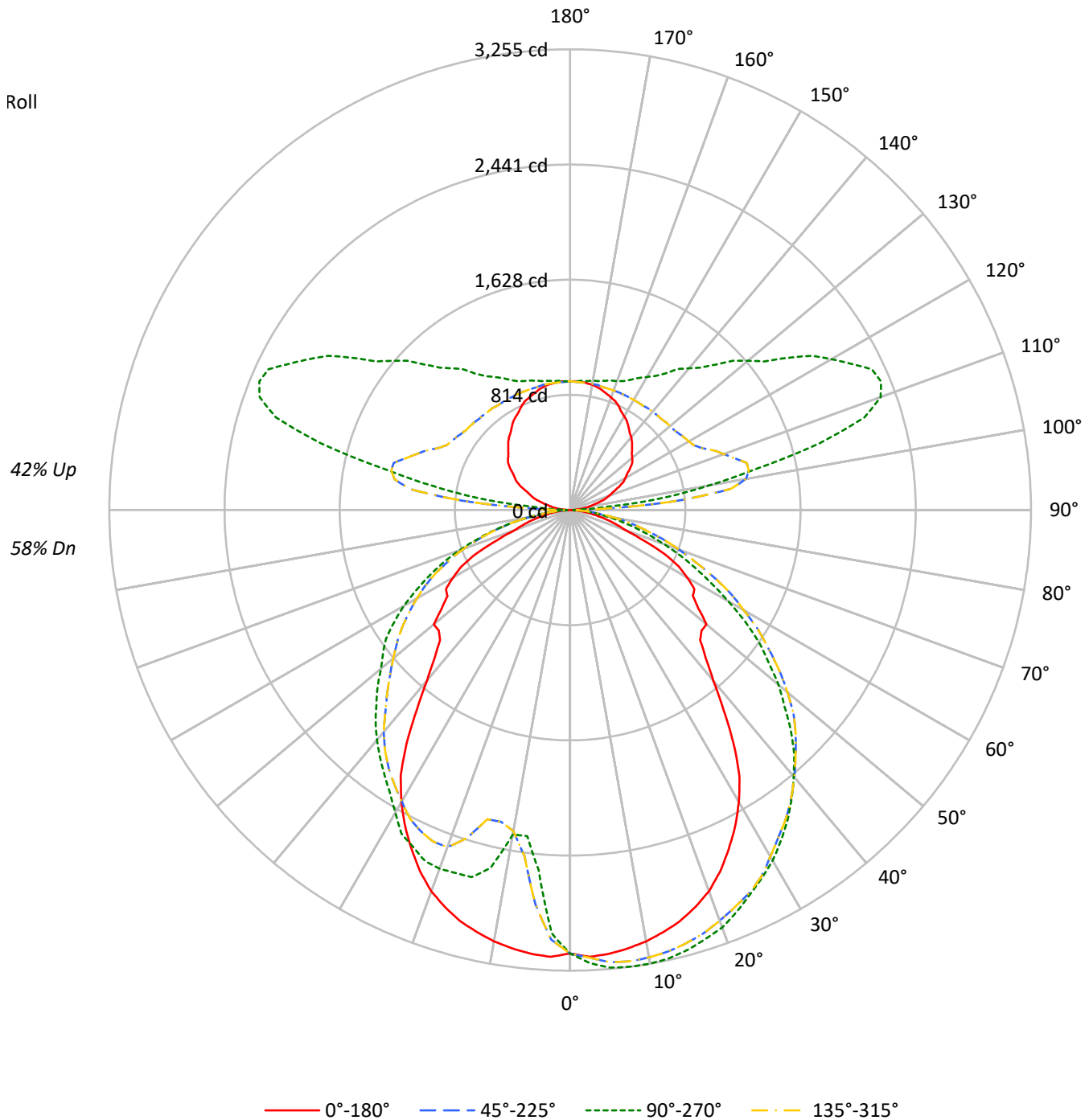
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14027.5 lumens
Efficiency: N/A
Efficacy: 128.5 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): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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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	109	109	109	109	102	102	102	102	88	88	88	75	75	75	63	63	63	58		
1	100	95	91	88	93	89	86	83	77	75	72	66	64	63	56	55	54	49		
2	91	83	77	72	84	78	72	68	68	63	60	58	55	52	49	47	45	41		
3	83	73	66	60	77	68	62	57	60	55	50	51	48	44	44	41	39	35		
4	76	65	57	51	70	61	54	48	53	47	43	46	41	38	39	36	33	30		
5	70	58	49	43	65	54	47	41	47	42	37	41	37	33	35	32	29	26		
6	64	52	44	38	60	49	41	36	43	37	32	37	32	29	32	28	25	23		
7	59	47	39	33	55	44	37	31	39	33	28	34	29	25	29	25	23	20		
8	55	42	35	29	51	40	33	28	35	29	25	31	26	23	27	23	20	18		
9	51	39	31	26	48	37	30	25	32	27	23	28	24	20	25	21	18	16		
10	48	36	28	23	45	34	27	22	30	24	20	26	22	18	23	19	17	15		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9691	9691	9691	9691
5°	9767	9782	9767	7692
10°	9705	9636	9705	6889
15°	9603	9427	9603	7872
20°	9406	9180	9406	7888
25°	8999	8819	8999	7721
30°	8471	8520	8471	7354
35°	7555	8141	7555	6951
40°	6299	7695	6299	6646
45°	5632	7173	5632	6296
50°	5988	6550	5988	5944
55°	5639	5879	5639	5740
60°	5820	4993	5820	5258
65°	5286	4128	5286	4614
70°	3669	3290	3669	3868
75°	3229	2432	3229	2912
80°	2621	1608	2621	1751
85°	1536	852	1536	724

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8626 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.8	2.0
10°-20°	803.0	5.7
20°-30°	1241.3	8.8
30°-40°	1481.8	10.6
40°-50°	1490.4	10.6
50°-60°	1296.9	9.2
60°-70°	919.5	6.6
70°-80°	486.5	3.5
80°-90°	124.6	0.9
90°-100°	443.7	3.2
100°-110°	1166.5	8.3
110°-120°	1209.5	8.6
120°-130°	970.2	6.9
130°-140°	761.3	5.4
140°-150°	584.3	4.2
150°-160°	420.8	3.0
160°-170°	257.5	1.8
170°-180°	87.0	0.6
0°-30°	2327.0	16.6
0°-40°	3808.8	27.2
0°-60°	6596.1	47.0
0°-90°	8126.7	57.9
90°-120°	2819.7	20.1
90°-150°	5135.5	36.6
90°-180°	5901.0	42.1
0°-180°	14027.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3133	3133	3133	3133	3133	
5°	3148	3246	3148	2552	3148	299
15°	3006	3216	3006	2686	3006	846
25°	2647	3000	2647	2626	2647	1215
35°	2013	2677	2013	2285	2013	1245
45°	1298	2205	1298	1936	1298	1040
55°	1058	1627	1058	1589	1058	972
65°	735	981	735	1097	735	703
75°	279	465	279	557	279	293
85°	47	119	47	101	47	64
90°	6	23	6	23	6	7
95°	59	268	59	268	59	65
105°	210	1827	210	1827	210	223
115°	373	2352	373	2352	373	369
125°	519	1873	519	1873	519	461
135°	619	1453	619	1453	619	479
145°	718	1179	718	1179	718	450
155°	811	1015	811	1015	811	373
165°	876	946	876	946	876	247
175°	910	916	910	916	910	86
180°	910	910	910	910	910	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3159.7	3159.7	3177.5	3183.4	3183.4	3174.5	3165.7	3174.5	3201.2	3210.1	3207.1
5°	3147.9	3171.6	3204.2	3210.1	3216.0	3213.1	3207.1	3213.1	3242.7	3248.6	3251.6
7.5°	3124.2	3168.6	3210.1	3219.0	3227.9	3219.0	3216.0	3222.0	3251.6	3257.5	3257.5
10°	3094.5	3156.8	3204.2	3210.1	3219.0	3210.1	3210.1	3222.0	3251.6	3257.5	3260.5
12.5°	3053.0	3139.0	3183.4	3189.4	3201.2	3198.3	3195.3	3207.1	3236.8	3242.7	3242.7
15°	3005.6	3106.4	3147.9	3153.8	3174.5	3168.6	3168.6	3180.5	3213.1	3222.0	3219.0
17.5°	2940.4	3064.9	3112.3	3121.2	3136.0	3133.0	3136.0	3147.9	3177.5	3183.4	3186.4
20°	2866.3	3008.6	3064.9	3073.8	3088.6	3088.6	3088.6	3103.4	3133.0	3144.9	3144.9
22.5°	2765.5	2949.3	3008.6	3014.5	3032.3	3032.3	3038.2	3058.9	3085.6	3088.6	3088.6
25°	2647.0	2884.1	2934.5	2952.2	2970.0	2978.9	2987.8	2999.7	3008.6	3005.6	3008.6
27.5°	2522.4	2801.1	2866.3	2878.1	2901.9	2910.7	2922.6	2925.6	2928.5	2937.4	2931.5
30°	2383.1	2685.5	2783.3	2795.2	2833.7	2839.6	2827.8	2833.7	2848.5	2854.4	2860.4
32.5°	2226.0	2513.5	2697.3	2724.0	2759.6	2741.8	2738.8	2747.7	2771.4	2771.4	2777.4
35°	2012.6	2380.1	2617.3	2641.0	2667.7	2647.0	2658.8	2661.8	2676.6	2685.5	2682.5
37.5°	1778.4	2264.5	2534.2	2552.0	2572.8	2546.1	2563.9	2572.8	2584.6	2578.7	2578.7
40°	1570.9	2083.7	2436.4	2448.3	2466.0	2445.3	2463.1	2469.0	2474.9	2469.0	2466.0
42.5°	1416.8	1885.1	2332.7	2347.5	2335.6	2350.5	2356.4	2368.2	2359.3	2347.5	2347.5
45°	1298.2	1831.8	2220.0	2237.8	2220.0	2243.7	2252.6	2252.6	2226.0	2220.0	2217.1
47.5°	1259.7	1725.0	2107.4	2107.4	2098.5	2128.2	2143.0	2122.2	2095.5	2086.7	2086.7
50°	1256.7	1606.5	1953.3	1941.4	1982.9	2018.5	2003.7	1982.9	1962.2	1929.6	1929.6
52.5°	1141.1	1461.3	1754.7	1799.1	1864.4	1885.1	1861.4	1840.6	1805.1	1790.3	1778.4
55°	1058.1	1310.1	1573.9	1662.8	1731.0	1757.7	1713.2	1692.4	1639.1	1630.2	1624.3
57.5°	1040.4	1090.8	1407.9	1520.5	1603.5	1600.6	1573.9	1535.4	1490.9	1482.0	1479.0
60°	954.4	788.4	1230.1	1363.4	1449.4	1440.5	1416.8	1381.2	1339.7	1333.8	1327.9
62.5°	865.5	572.1	1028.5	1179.7	1301.2	1298.2	1277.5	1224.1	1194.5	1179.7	1167.8
65°	735.1	480.2	732.1	981.1	1156.0	1161.9	1117.4	1078.9	1046.3	1028.5	1025.5
67.5°	560.2	391.2	495.0	818.1	1016.7	1010.7	954.4	936.6	895.1	886.2	868.5
70°	415.0	260.8	343.8	663.9	880.3	865.5	821.0	800.3	761.7	741.0	729.1
72.5°	343.8	210.4	251.9	515.7	741.0	723.2	684.7	661.0	628.4	610.6	598.7
75°	278.6	222.3	192.7	382.4	601.7	589.8	554.3	530.6	503.9	480.2	483.1
77.5°	204.5	207.5	154.1	281.6	477.2	459.4	438.7	409.0	397.2	373.5	373.5
80°	154.1	163.0	115.6	192.7	343.8	343.8	326.0	305.3	284.5	272.7	272.7
82.5°	103.7	103.7	86.0	121.5	234.2	225.3	213.4	207.5	195.6	189.7	189.7
85°	47.4	59.3	53.4	74.1	127.5	133.4	133.4	127.5	124.5	118.6	121.5
87.5°	14.8	26.7	32.6	41.5	65.2	68.2	71.1	71.1	71.1	74.1	74.1
90°	6.1	11.0	15.9	17.1	26.9	39.9	46.4	41.3	30.9	23.2	23.2
92.5°	24.4	65.9	107.5	117.9	165.7	229.5	261.4	229.1	164.5	116.1	111.4
95°	58.7	134.7	210.7	229.7	407.8	645.5	764.2	681.9	517.4	394.0	380.0
97.5°	101.4	168.5	235.5	252.3	549.4	945.5	1143.6	1091.6	987.6	909.7	883.1
100°	134.4	195.2	256.0	271.2	600.9	1040.5	1260.3	1264.0	1271.7	1277.4	1245.7
102.5°	162.5	219.2	275.9	290.2	624.5	1070.4	1293.3	1359.5	1492.0	1591.4	1564.2
105°	210.1	258.2	306.2	318.2	642.0	1073.8	1289.6	1438.1	1735.1	1957.9	1943.3
107.5°	259.1	303.8	348.7	359.8	645.4	1026.0	1216.3	1423.5	1837.9	2148.6	2152.2
110°	292.1	332.5	373.0	383.0	640.4	983.7	1155.3	1386.9	1850.0	2197.4	2212.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	324.4	362.9	401.4	411.1	640.6	946.6	1099.6	1336.7	1810.7	2166.3	2189.6
115°	373.3	408.8	444.4	453.3	646.5	904.2	1033.1	1261.4	1718.0	2060.6	2093.0
117.5°	421.5	453.8	486.1	494.2	658.5	877.6	987.2	1193.3	1605.4	1914.5	1950.4
120°	449.6	480.1	510.4	518.0	668.3	868.7	968.9	1157.2	1533.8	1816.2	1851.1
122.5°	477.1	507.8	538.5	546.2	682.4	864.0	954.8	1124.3	1463.5	1717.8	1752.2
125°	519.3	547.3	575.2	582.2	701.4	860.2	939.6	1083.6	1371.6	1587.7	1619.4
127.5°	553.5	581.7	610.0	617.0	720.3	857.9	926.7	1050.4	1297.7	1483.3	1510.1
130°	571.9	602.3	632.6	640.2	734.1	859.3	921.9	1032.0	1252.2	1417.3	1442.0
132.5°	590.7	621.2	651.6	659.2	745.3	860.2	917.6	1016.2	1213.3	1361.1	1383.2
135°	618.9	646.5	674.2	681.1	757.5	859.4	910.2	992.8	1157.9	1281.7	1300.8
137.5°	647.5	675.0	702.5	709.3	775.9	864.7	909.1	978.8	1118.4	1223.0	1238.7
140°	671.3	696.6	721.8	728.2	787.0	865.5	904.7	965.0	1085.6	1176.0	1190.6
142.5°	689.7	713.0	736.5	742.3	796.4	868.6	904.7	957.7	1063.6	1143.0	1155.6
145°	717.8	738.1	758.5	763.6	808.7	868.6	898.7	942.0	1028.6	1093.5	1103.0
147.5°	745.9	765.7	785.6	790.5	826.6	874.7	898.7	932.8	1000.9	1052.0	1059.9
150°	764.2	782.1	800.1	804.5	835.9	877.7	898.7	927.4	984.9	1028.1	1034.5
152.5°	783.2	796.7	810.4	813.7	842.1	879.8	898.7	923.3	972.4	1009.2	1014.1
155°	811.2	821.3	831.4	833.9	855.5	884.3	898.7	918.2	957.3	986.6	989.8
157.5°	832.1	841.9	851.6	854.0	868.9	888.8	898.7	913.9	944.2	967.1	969.3
160°	846.1	853.7	861.3	863.2	875.1	890.8	898.7	911.7	937.7	957.3	958.6
162.5°	860.2	865.9	871.6	873.0	881.6	893.0	898.7	909.7	931.6	948.1	949.3
165°	875.5	880.6	885.7	887.0	890.9	896.1	898.7	906.6	922.3	934.1	935.3
167.5°	889.5	891.9	894.3	894.9	898.2	902.5	904.7	909.8	920.2	927.9	928.5
170°	898.7	901.1	903.5	904.1	904.3	904.6	904.7	909.8	920.2	927.9	927.9
172.5°	903.5	904.0	904.6	904.7	904.7	904.7	904.7	908.8	917.0	923.1	922.6
175°	910.2	910.2	910.2	910.2	908.4	905.9	904.7	907.3	912.5	916.4	916.4
177.5°	910.2	910.2	910.2	910.2	908.9	907.0	906.0	908.1	912.1	915.2	914.6
180°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3213.1	3204.2	3213.1	3207.1	3210.1	3201.2	3174.5	3165.7	3174.5	3183.4	3183.4
5°	3251.6	3245.7	3251.6	3251.6	3248.6	3242.7	3213.1	3207.1	3213.1	3216.0	3210.1
7.5°	3263.5	3254.6	3263.5	3257.5	3257.5	3251.6	3222.0	3216.0	3219.0	3227.9	3219.0
10°	3263.5	3254.6	3263.5	3260.5	3257.5	3251.6	3222.0	3210.1	3210.1	3219.0	3210.1
12.5°	3248.6	3242.7	3248.6	3242.7	3242.7	3236.8	3207.1	3195.3	3198.3	3201.2	3189.4
15°	3224.9	3216.0	3224.9	3219.0	3222.0	3213.1	3180.5	3168.6	3168.6	3174.5	3153.8
17.5°	3189.4	3177.5	3189.4	3186.4	3183.4	3177.5	3147.9	3136.0	3133.0	3136.0	3121.2
20°	3147.9	3139.0	3147.9	3144.9	3144.9	3133.0	3103.4	3088.6	3088.6	3088.6	3073.8
22.5°	3082.7	3073.8	3082.7	3088.6	3088.6	3085.6	3058.9	3038.2	3032.3	3032.3	3014.5
25°	3008.6	2999.7	3008.6	3008.6	3005.6	3008.6	2999.7	2987.8	2978.9	2970.0	2952.2
27.5°	2937.4	2931.5	2937.4	2931.5	2937.4	2928.5	2925.6	2922.6	2910.7	2901.9	2878.1
30°	2866.3	2860.4	2866.3	2860.4	2854.4	2848.5	2833.7	2827.8	2839.6	2833.7	2795.2
32.5°	2777.4	2771.4	2777.4	2777.4	2771.4	2771.4	2747.7	2738.8	2741.8	2759.6	2724.0
35°	2685.5	2676.6	2685.5	2682.5	2685.5	2676.6	2661.8	2658.8	2647.0	2667.7	2641.0
37.5°	2578.7	2569.8	2578.7	2578.7	2578.7	2584.6	2572.8	2563.9	2546.1	2572.8	2552.0
40°	2469.0	2457.2	2469.0	2466.0	2469.0	2474.9	2469.0	2463.1	2445.3	2466.0	2448.3
42.5°	2344.5	2341.6	2344.5	2347.5	2347.5	2359.3	2368.2	2356.4	2350.5	2335.6	2347.5
45°	2211.1	2205.2	2211.1	2217.1	2220.0	2226.0	2252.6	2252.6	2243.7	2220.0	2237.8
47.5°	2068.9	2054.1	2068.9	2086.7	2086.7	2095.5	2122.2	2143.0	2128.2	2098.5	2107.4
50°	1917.7	1920.7	1917.7	1929.6	1929.6	1962.2	1982.9	2003.7	2018.5	1982.9	1941.4
52.5°	1769.5	1766.5	1769.5	1778.4	1790.3	1805.1	1840.6	1861.4	1885.1	1864.4	1799.1
55°	1621.3	1627.2	1621.3	1624.3	1630.2	1639.1	1692.4	1713.2	1757.7	1731.0	1662.8
57.5°	1473.1	1464.2	1473.1	1479.0	1482.0	1490.9	1535.4	1573.9	1600.6	1603.5	1520.5
60°	1301.2	1289.3	1301.2	1327.9	1333.8	1339.7	1381.2	1416.8	1440.5	1449.4	1363.4
62.5°	1150.0	1129.3	1150.0	1167.8	1179.7	1194.5	1224.1	1277.5	1298.2	1301.2	1179.7
65°	990.0	981.1	990.0	1025.5	1028.5	1046.3	1078.9	1117.4	1161.9	1156.0	981.1
67.5°	844.7	844.7	844.7	868.5	886.2	895.1	936.6	954.4	1010.7	1016.7	818.1
70°	711.4	708.4	711.4	729.1	741.0	761.7	800.3	821.0	865.5	880.3	663.9
72.5°	583.9	580.9	583.9	598.7	610.6	628.4	661.0	684.7	723.2	741.0	515.7
75°	471.3	465.3	471.3	483.1	480.2	503.9	530.6	554.3	589.8	601.7	382.4
77.5°	361.6	361.6	361.6	373.5	373.5	397.2	409.0	438.7	459.4	477.2	281.6
80°	269.7	266.8	269.7	272.7	272.7	284.5	305.3	326.0	343.8	343.8	192.7
82.5°	189.7	183.8	189.7	189.7	189.7	195.6	207.5	213.4	225.3	234.2	121.5
85°	118.6	118.6	118.6	121.5	118.6	124.5	127.5	133.4	133.4	127.5	74.1
87.5°	77.1	74.1	77.1	74.1	74.1	71.1	71.1	71.1	68.2	65.2	41.5
90°	23.2	23.2	23.2	23.2	23.2	30.9	41.3	46.4	39.9	26.9	17.1
92.5°	93.0	74.5	93.0	111.4	116.1	164.5	229.1	261.4	229.5	165.7	117.9
95°	324.1	268.1	324.1	380.0	394.0	517.4	681.9	764.2	645.5	407.8	229.7
97.5°	776.6	670.2	776.6	883.1	909.7	987.6	1091.6	1143.6	945.5	549.4	252.3
100°	1118.9	992.1	1118.9	1245.7	1277.4	1271.7	1264.0	1260.3	1040.5	600.9	271.2
102.5°	1455.6	1347.0	1455.6	1564.2	1591.4	1492.0	1359.5	1293.3	1070.4	624.5	290.2
105°	1885.0	1826.6	1885.0	1943.3	1957.9	1735.1	1438.1	1289.6	1073.8	642.0	318.2
107.5°	2166.2	2180.3	2166.2	2152.2	2148.6	1837.9	1423.5	1216.3	1026.0	645.4	359.8
110°	2273.4	2334.2	2273.4	2212.6	2197.4	1850.0	1386.9	1155.3	983.7	640.4	383.0



TEST NUMBER: P934317

CATALOG NUMBER: SQ4-FA-050U-075D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2283.1	2376.4	2283.1	2189.6	2166.3	1810.7	1336.7	1099.6	946.6	640.6	411.1
115°	2222.5	2352.0	2222.5	2093.0	2060.6	1718.0	1261.4	1033.1	904.2	646.5	453.3
117.5°	2094.1	2237.7	2094.1	1950.4	1914.5	1605.4	1193.3	987.2	877.6	658.5	494.2
120°	1990.7	2130.2	1990.7	1851.1	1816.2	1533.8	1157.2	968.9	868.7	668.3	518.0
122.5°	1889.9	2027.6	1889.9	1752.2	1717.8	1463.5	1124.3	954.8	864.0	682.4	546.2
125°	1746.2	1873.1	1746.2	1619.4	1587.7	1371.6	1083.6	939.6	860.2	701.4	582.2
127.5°	1617.0	1724.0	1617.0	1510.1	1483.3	1297.7	1050.4	926.7	857.9	720.3	617.0
130°	1540.9	1639.7	1540.9	1442.0	1417.3	1252.2	1032.0	921.9	859.3	734.1	640.2
132.5°	1471.7	1560.2	1471.7	1383.2	1361.1	1213.3	1016.2	917.6	860.2	745.3	659.2
135°	1377.1	1453.3	1377.1	1300.8	1281.7	1157.9	992.8	910.2	859.4	757.5	681.1
137.5°	1301.1	1363.5	1301.1	1238.7	1223.0	1118.4	978.8	909.1	864.7	775.9	709.3
140°	1248.9	1307.3	1248.9	1190.6	1176.0	1085.6	965.0	904.7	865.5	787.0	728.2
142.5°	1205.9	1256.0	1205.9	1155.6	1143.0	1063.6	957.7	904.7	868.6	796.4	742.3
145°	1141.0	1179.1	1141.0	1103.0	1093.5	1028.6	942.0	898.7	868.6	808.7	763.6
147.5°	1091.3	1122.9	1091.3	1059.9	1052.0	1000.9	932.8	898.7	874.7	826.6	790.5
150°	1060.0	1085.6	1060.0	1034.5	1028.1	984.9	927.4	898.7	877.7	835.9	804.5
152.5°	1033.3	1052.6	1033.3	1014.1	1009.2	972.4	923.3	898.7	879.8	842.1	813.7
155°	1002.6	1015.4	1002.6	989.8	986.6	957.3	918.2	898.7	884.3	855.5	833.9
157.5°	978.2	987.2	978.2	969.3	967.1	944.2	913.9	898.7	888.8	868.9	854.0
160°	963.8	968.9	963.8	958.6	957.3	937.7	911.7	898.7	890.8	875.1	863.2
162.5°	954.2	959.2	954.2	949.3	948.1	931.6	909.7	898.7	893.0	881.6	873.0
165°	940.6	945.7	940.6	935.3	934.1	922.3	906.6	898.7	896.1	890.9	887.0
167.5°	930.7	932.9	930.7	928.5	927.9	920.2	909.8	904.7	902.5	898.2	894.9
170°	927.9	927.9	927.9	927.9	927.9	920.2	909.8	904.7	904.6	904.3	904.1
172.5°	920.7	918.8	920.7	922.6	923.1	917.0	908.8	904.7	904.7	904.7	904.7
175°	916.4	916.4	916.4	916.4	916.4	912.5	907.3	904.7	905.9	908.4	910.2
177.5°	912.4	910.2	912.4	914.6	915.2	912.1	908.1	906.0	907.0	908.9	910.2
180°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2



TEST NUMBER: P934317

CATALOG NUMBER: SQ4-FA-050U-075D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3177.5	3159.7	3159.7	3130.1	3118.2	3109.3	3094.5	3050.1	3038.2	3026.3	3044.1
5°	3204.2	3171.6	3147.9	3094.5	3050.1	3032.3	2976.0	2869.3	2798.1	2744.8	2715.1
7.5°	3210.1	3168.6	3124.2	3041.2	2934.5	2887.0	2715.1	2519.4	2466.0	2418.6	2389.0
10°	3204.2	3156.8	3094.5	2970.0	2718.1	2635.1	2463.1	2335.6	2303.0	2294.1	2303.0
12.5°	3183.4	3139.0	3053.0	2845.5	2492.7	2436.4	2335.6	2261.5	2255.6	2270.4	2350.5
15°	3147.9	3106.4	3005.6	2679.6	2368.2	2326.7	2255.6	2228.9	2261.5	2365.3	2605.4
17.5°	3112.3	3064.9	2940.4	2516.4	2273.4	2243.7	2193.4	2246.7	2430.5	2569.8	2649.9
20°	3064.9	3008.6	2866.3	2397.9	2205.2	2178.5	2154.8	2394.9	2534.2	2584.6	2629.2
22.5°	3008.6	2949.3	2765.5	2314.9	2134.1	2113.3	2128.2	2477.9	2534.2	2569.8	2608.3
25°	2934.5	2884.1	2647.0	2249.7	2077.8	2054.1	2110.4	2469.0	2501.6	2510.5	2587.6
27.5°	2866.3	2801.1	2522.4	2190.4	2009.6	2000.7	2125.2	2430.5	2454.2	2463.1	2546.1
30°	2783.3	2685.5	2383.1	2128.2	1938.5	1935.5	2128.2	2383.1	2377.1	2400.8	2483.8
32.5°	2697.3	2513.5	2226.0	2051.1	1870.3	1867.3	2107.4	2311.9	2306.0	2338.6	2400.8
35°	2617.3	2380.1	2012.6	1962.2	1784.3	1787.3	2057.0	2228.9	2231.9	2261.5	2300.1
37.5°	2534.2	2264.5	1778.4	1864.4	1701.3	1701.3	1988.8	2151.9	2145.9	2154.8	2208.2
40°	2436.4	2083.7	1570.9	1736.9	1624.3	1615.4	1905.9	2068.9	2048.1	2045.2	2119.3
42.5°	2332.7	1885.1	1416.8	1568.0	1535.4	1523.5	1805.1	1968.1	1929.6	1938.5	2033.3
45°	2220.0	1831.8	1298.2	1324.9	1443.5	1434.6	1695.4	1852.5	1825.8	1849.5	1947.3
47.5°	2107.4	1725.0	1259.7	1099.6	1345.7	1342.7	1573.9	1739.9	1725.0	1748.8	1852.5
50°	1953.3	1606.5	1256.7	942.6	1236.0	1247.8	1428.6	1630.2	1630.2	1650.9	1760.6
52.5°	1754.7	1461.3	1141.1	853.6	1108.5	1144.1	1301.2	1535.4	1541.3	1562.0	1659.8
55°	1573.9	1310.1	1058.1	785.5	957.4	1034.4	1176.7	1437.5	1449.4	1470.1	1559.1
57.5°	1407.9	1090.8	1040.4	705.4	818.1	892.2	1067.0	1342.7	1348.6	1366.4	1452.4
60°	1230.1	788.4	954.4	619.5	696.5	752.9	966.3	1230.1	1250.8	1262.7	1336.8
62.5°	1028.5	572.1	865.5	560.2	637.3	649.1	883.3	1123.4	1150.0	1158.9	1203.4
65°	732.1	480.2	735.1	509.8	575.0	578.0	794.4	1013.7	1037.4	1052.2	1084.8
67.5°	495.0	391.2	560.2	462.4	527.6	530.6	708.4	886.2	918.8	930.7	951.4
70°	343.8	260.8	415.0	412.0	474.2	480.2	616.5	770.6	800.3	809.2	821.0
72.5°	251.9	210.4	343.8	370.5	417.9	423.9	521.7	640.2	669.9	678.8	684.7
75°	192.7	222.3	278.6	323.1	355.7	358.6	426.8	521.7	542.4	548.3	551.3
77.5°	154.1	207.5	204.5	260.8	290.5	284.5	334.9	403.1	420.9	420.9	420.9
80°	115.6	163.0	154.1	186.7	213.4	207.5	240.1	287.5	293.4	299.4	296.4
82.5°	86.0	103.7	103.7	118.6	142.3	136.3	160.1	186.7	186.7	186.7	192.7
85°	53.4	59.3	47.4	62.2	80.0	77.1	88.9	100.8	103.7	103.7	97.8
87.5°	32.6	26.7	14.8	23.7	35.6	35.6	41.5	44.5	41.5	41.5	41.5
90°	15.9	11.0	6.1	11.0	15.9	17.1	26.9	39.9	46.4	41.3	30.9
92.5°	107.5	65.9	24.4	65.9	107.5	117.9	165.7	229.5	261.4	229.1	164.5
95°	210.7	134.7	58.7	134.7	210.7	229.7	407.8	645.5	764.2	681.9	517.4
97.5°	235.5	168.5	101.4	168.5	235.5	252.3	549.4	945.5	1143.6	1091.6	987.6
100°	256.0	195.2	134.4	195.2	256.0	271.2	600.9	1040.5	1260.3	1264.0	1271.7
102.5°	275.9	219.2	162.5	219.2	275.9	290.2	624.5	1070.4	1293.3	1359.5	1492.0
105°	306.2	258.2	210.1	258.2	306.2	318.2	642.0	1073.8	1289.6	1438.1	1735.1
107.5°	348.7	303.8	259.1	303.8	348.7	359.8	645.4	1026.0	1216.3	1423.5	1837.9
110°	373.0	332.5	292.1	332.5	373.0	383.0	640.4	983.7	1155.3	1386.9	1850.0



TEST NUMBER: P934317

CATALOG NUMBER: SQ4-FA-050U-075D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	401.4	362.9	324.4	362.9	401.4	411.1	640.6	946.6	1099.6	1336.7	1810.7
115°	444.4	408.8	373.3	408.8	444.4	453.3	646.5	904.2	1033.1	1261.4	1718.0
117.5°	486.1	453.8	421.5	453.8	486.1	494.2	658.5	877.6	987.2	1193.3	1605.4
120°	510.4	480.1	449.6	480.1	510.4	518.0	668.3	868.7	968.9	1157.2	1533.8
122.5°	538.5	507.8	477.1	507.8	538.5	546.2	682.4	864.0	954.8	1124.3	1463.5
125°	575.2	547.3	519.3	547.3	575.2	582.2	701.4	860.2	939.6	1083.6	1371.6
127.5°	610.0	581.7	553.5	581.7	610.0	617.0	720.3	857.9	926.7	1050.4	1297.7
130°	632.6	602.3	571.9	602.3	632.6	640.2	734.1	859.3	921.9	1032.0	1252.2
132.5°	651.6	621.2	590.7	621.2	651.6	659.2	745.3	860.2	917.6	1016.2	1213.3
135°	674.2	646.5	618.9	646.5	674.2	681.1	757.5	859.4	910.2	992.8	1157.9
137.5°	702.5	675.0	647.5	675.0	702.5	709.3	775.9	864.7	909.1	978.8	1118.4
140°	721.8	696.6	671.3	696.6	721.8	728.2	787.0	865.5	904.7	965.0	1085.6
142.5°	736.5	713.0	689.7	713.0	736.5	742.3	796.4	868.6	904.7	957.7	1063.6
145°	758.5	738.1	717.8	738.1	758.5	763.6	808.7	868.6	898.7	942.0	1028.6
147.5°	785.6	765.7	745.9	765.7	785.6	790.5	826.6	874.7	898.7	932.8	1000.9
150°	800.1	782.1	764.2	782.1	800.1	804.5	835.9	877.7	898.7	927.4	984.9
152.5°	810.4	796.7	783.2	796.7	810.4	813.7	842.1	879.8	898.7	923.3	972.4
155°	831.4	821.3	811.2	821.3	831.4	833.9	855.5	884.3	898.7	918.2	957.3
157.5°	851.6	841.9	832.1	841.9	851.6	854.0	868.9	888.8	898.7	913.9	944.2
160°	861.3	853.7	846.1	853.7	861.3	863.2	875.1	890.8	898.7	911.7	937.7
162.5°	871.6	865.9	860.2	865.9	871.6	873.0	881.6	893.0	898.7	909.7	931.6
165°	885.7	880.6	875.5	880.6	885.7	887.0	890.9	896.1	898.7	906.6	922.3
167.5°	894.3	891.9	889.5	891.9	894.3	894.9	898.2	902.5	904.7	909.8	920.2
170°	903.5	901.1	898.7	901.1	903.5	904.1	904.3	904.6	904.7	909.8	920.2
172.5°	904.6	904.0	903.5	904.0	904.6	904.7	904.7	904.7	904.7	908.8	917.0
175°	910.2	910.2	910.2	910.2	910.2	910.2	908.4	905.9	904.7	907.3	912.5
177.5°	910.2	910.2	910.2	910.2	910.2	910.2	908.9	907.0	906.0	908.1	912.1
180°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2



TEST NUMBER: P934317

CATALOG NUMBER: SQ4-FA-050U-075D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3023.4	3014.5	3026.3	2993.7	3026.3	3014.5	3023.4	3044.1	3026.3	3038.2	3050.1
5°	2652.9	2638.1	2590.5	2552.0	2590.5	2638.1	2652.9	2715.1	2744.8	2798.1	2869.3
7.5°	2371.2	2359.3	2347.5	2323.8	2347.5	2359.3	2371.2	2389.0	2418.6	2466.0	2519.4
10°	2309.0	2311.9	2329.7	2326.7	2329.7	2311.9	2309.0	2303.0	2294.1	2303.0	2335.6
12.5°	2469.0	2495.7	2593.5	2587.6	2593.5	2495.7	2469.0	2350.5	2270.4	2255.6	2261.5
15°	2652.9	2661.8	2682.5	2685.5	2682.5	2661.8	2652.9	2605.4	2365.3	2261.5	2228.9
17.5°	2670.7	2673.6	2688.4	2688.4	2688.4	2673.6	2670.7	2649.9	2569.8	2430.5	2246.7
20°	2655.8	2661.8	2691.4	2697.3	2691.4	2661.8	2655.8	2629.2	2584.6	2534.2	2394.9
22.5°	2649.9	2661.8	2685.5	2682.5	2685.5	2661.8	2649.9	2608.3	2569.8	2534.2	2477.9
25°	2620.3	2620.3	2623.2	2626.2	2623.2	2620.3	2620.3	2587.6	2510.5	2501.6	2469.0
27.5°	2557.9	2563.9	2581.6	2578.7	2581.6	2563.9	2557.9	2546.1	2463.1	2454.2	2430.5
30°	2501.6	2495.7	2480.9	2469.0	2480.9	2495.7	2501.6	2483.8	2400.8	2377.1	2383.1
32.5°	2406.8	2391.9	2377.1	2368.2	2377.1	2391.9	2406.8	2400.8	2338.6	2306.0	2311.9
35°	2294.1	2297.1	2294.1	2285.2	2294.1	2297.1	2294.1	2300.1	2261.5	2231.9	2228.9
37.5°	2214.1	2220.0	2217.1	2205.2	2217.1	2220.0	2214.1	2208.2	2154.8	2145.9	2151.9
40°	2131.1	2134.1	2131.1	2122.2	2131.1	2134.1	2131.1	2119.3	2045.2	2048.1	2068.9
42.5°	2051.1	2048.1	2039.2	2033.3	2039.2	2048.1	2051.1	2033.3	1938.5	1929.6	1968.1
45°	1959.2	1962.2	1944.4	1935.5	1944.4	1962.2	1959.2	1947.3	1849.5	1825.8	1852.5
47.5°	1867.3	1867.3	1852.5	1843.6	1852.5	1867.3	1867.3	1852.5	1748.8	1725.0	1739.9
50°	1769.5	1766.5	1745.8	1742.8	1745.8	1766.5	1769.5	1760.6	1650.9	1630.2	1630.2
52.5°	1656.9	1656.9	1659.8	1665.8	1659.8	1656.9	1656.9	1659.8	1562.0	1541.3	1535.4
55°	1559.1	1562.0	1582.8	1588.7	1582.8	1562.0	1559.1	1559.1	1470.1	1449.4	1437.5
57.5°	1458.3	1458.3	1473.1	1473.1	1473.1	1458.3	1458.3	1452.4	1366.4	1348.6	1342.7
60°	1342.7	1348.6	1360.5	1357.5	1360.5	1348.6	1342.7	1336.8	1262.7	1250.8	1230.1
62.5°	1221.2	1227.1	1230.1	1224.1	1230.1	1227.1	1221.2	1203.4	1158.9	1150.0	1123.4
65°	1093.7	1099.6	1102.6	1096.7	1102.6	1099.6	1093.7	1084.8	1052.2	1037.4	1013.7
67.5°	963.3	960.3	957.4	969.2	957.4	960.3	963.3	951.4	930.7	918.8	886.2
70°	829.9	829.9	827.0	832.9	827.0	829.9	829.9	821.0	809.2	800.3	770.6
72.5°	687.6	684.7	696.5	687.6	696.5	684.7	687.6	684.7	678.8	669.9	640.2
75°	548.3	554.3	548.3	557.2	548.3	554.3	548.3	551.3	548.3	542.4	521.7
77.5°	417.9	423.9	417.9	417.9	417.9	423.9	417.9	420.9	420.9	420.9	403.1
80°	296.4	293.4	293.4	290.5	293.4	293.4	296.4	296.4	299.4	293.4	287.5
82.5°	189.7	186.7	186.7	192.7	186.7	186.7	189.7	192.7	186.7	186.7	186.7
85°	103.7	106.7	100.8	100.8	100.8	106.7	103.7	97.8	103.7	103.7	100.8
87.5°	38.5	35.6	35.6	35.6	35.6	35.6	38.5	41.5	41.5	41.5	44.5
90°	23.2	23.2	23.2	23.2	23.2	23.2	23.2	30.9	41.3	46.4	39.9
92.5°	116.1	111.4	93.0	74.5	93.0	111.4	116.1	164.5	229.1	261.4	229.5
95°	394.0	380.0	324.1	268.1	324.1	380.0	394.0	517.4	681.9	764.2	645.5
97.5°	909.7	883.1	776.6	670.2	776.6	883.1	909.7	987.6	1091.6	1143.6	945.5
100°	1277.4	1245.7	1118.9	992.1	1118.9	1245.7	1277.4	1271.7	1264.0	1260.3	1040.5
102.5°	1591.4	1564.2	1455.6	1347.0	1455.6	1564.2	1591.4	1492.0	1359.5	1293.3	1070.4
105°	1957.9	1943.3	1885.0	1826.6	1885.0	1943.3	1957.9	1735.1	1438.1	1289.6	1073.8
107.5°	2148.6	2152.2	2166.2	2180.3	2166.2	2152.2	2148.6	1837.9	1423.5	1216.3	1026.0
110°	2197.4	2212.6	2273.4	2334.2	2273.4	2212.6	2197.4	1850.0	1386.9	1155.3	983.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2166.3	2189.6	2283.1	2376.4	2283.1	2189.6	2166.3	1810.7	1336.7	1099.6	946.6
115°	2060.6	2093.0	2222.5	2352.0	2222.5	2093.0	2060.6	1718.0	1261.4	1033.1	904.2
117.5°	1914.5	1950.4	2094.1	2237.7	2094.1	1950.4	1914.5	1605.4	1193.3	987.2	877.6
120°	1816.2	1851.1	1990.7	2130.2	1990.7	1851.1	1816.2	1533.8	1157.2	968.9	868.7
122.5°	1717.8	1752.2	1889.9	2027.6	1889.9	1752.2	1717.8	1463.5	1124.3	954.8	864.0
125°	1587.7	1619.4	1746.2	1873.1	1746.2	1619.4	1587.7	1371.6	1083.6	939.6	860.2
127.5°	1483.3	1510.1	1617.0	1724.0	1617.0	1510.1	1483.3	1297.7	1050.4	926.7	857.9
130°	1417.3	1442.0	1540.9	1639.7	1540.9	1442.0	1417.3	1252.2	1032.0	921.9	859.3
132.5°	1361.1	1383.2	1471.7	1560.2	1471.7	1383.2	1361.1	1213.3	1016.2	917.6	860.2
135°	1281.7	1300.8	1377.1	1453.3	1377.1	1300.8	1281.7	1157.9	992.8	910.2	859.4
137.5°	1223.0	1238.7	1301.1	1363.5	1301.1	1238.7	1223.0	1118.4	978.8	909.1	864.7
140°	1176.0	1190.6	1248.9	1307.3	1248.9	1190.6	1176.0	1085.6	965.0	904.7	865.5
142.5°	1143.0	1155.6	1205.9	1256.0	1205.9	1155.6	1143.0	1063.6	957.7	904.7	868.6
145°	1093.5	1103.0	1141.0	1179.1	1141.0	1103.0	1093.5	1028.6	942.0	898.7	868.6
147.5°	1052.0	1059.9	1091.3	1122.9	1091.3	1059.9	1052.0	1000.9	932.8	898.7	874.7
150°	1028.1	1034.5	1060.0	1085.6	1060.0	1034.5	1028.1	984.9	927.4	898.7	877.7
152.5°	1009.2	1014.1	1033.3	1052.6	1033.3	1014.1	1009.2	972.4	923.3	898.7	879.8
155°	986.6	989.8	1002.6	1015.4	1002.6	989.8	986.6	957.3	918.2	898.7	884.3
157.5°	967.1	969.3	978.2	987.2	978.2	969.3	967.1	944.2	913.9	898.7	888.8
160°	957.3	958.6	963.8	968.9	963.8	958.6	957.3	937.7	911.7	898.7	890.8
162.5°	948.1	949.3	954.2	959.2	954.2	949.3	948.1	931.6	909.7	898.7	893.0
165°	934.1	935.3	940.6	945.7	940.6	935.3	934.1	922.3	906.6	898.7	896.1
167.5°	927.9	928.5	930.7	932.9	930.7	928.5	927.9	920.2	909.8	904.7	902.5
170°	927.9	927.9	927.9	927.9	927.9	927.9	927.9	920.2	909.8	904.7	904.6
172.5°	923.1	922.6	920.7	918.8	920.7	922.6	923.1	917.0	908.8	904.7	904.7
175°	916.4	916.4	916.4	916.4	916.4	916.4	916.4	912.5	907.3	904.7	905.9
177.5°	915.2	914.6	912.4	910.2	912.4	914.6	915.2	912.1	908.1	906.0	907.0
180°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3094.5	3109.3	3118.2	3130.1	3159.7
5°	2976.0	3032.3	3050.1	3094.5	3147.9
7.5°	2715.1	2887.0	2934.5	3041.2	3124.2
10°	2463.1	2635.1	2718.1	2970.0	3094.5
12.5°	2335.6	2436.4	2492.7	2845.5	3053.0
15°	2255.6	2326.7	2368.2	2679.6	3005.6
17.5°	2193.4	2243.7	2273.4	2516.4	2940.4
20°	2154.8	2178.5	2205.2	2397.9	2866.3
22.5°	2128.2	2113.3	2134.1	2314.9	2765.5
25°	2110.4	2054.1	2077.8	2249.7	2647.0
27.5°	2125.2	2000.7	2009.6	2190.4	2522.4
30°	2128.2	1935.5	1938.5	2128.2	2383.1
32.5°	2107.4	1867.3	1870.3	2051.1	2226.0
35°	2057.0	1787.3	1784.3	1962.2	2012.6
37.5°	1988.8	1701.3	1701.3	1864.4	1778.4
40°	1905.9	1615.4	1624.3	1736.9	1570.9
42.5°	1805.1	1523.5	1535.4	1568.0	1416.8
45°	1695.4	1434.6	1443.5	1324.9	1298.2
47.5°	1573.9	1342.7	1345.7	1099.6	1259.7
50°	1428.6	1247.8	1236.0	942.6	1256.7
52.5°	1301.2	1144.1	1108.5	853.6	1141.1
55°	1176.7	1034.4	957.4	785.5	1058.1
57.5°	1067.0	892.2	818.1	705.4	1040.4
60°	966.3	752.9	696.5	619.5	954.4
62.5°	883.3	649.1	637.3	560.2	865.5
65°	794.4	578.0	575.0	509.8	735.1
67.5°	708.4	530.6	527.6	462.4	560.2
70°	616.5	480.2	474.2	412.0	415.0
72.5°	521.7	423.9	417.9	370.5	343.8
75°	426.8	358.6	355.7	323.1	278.6
77.5°	334.9	284.5	290.5	260.8	204.5
80°	240.1	207.5	213.4	186.7	154.1
82.5°	160.1	136.3	142.3	118.6	103.7
85°	88.9	77.1	80.0	62.2	47.4
87.5°	41.5	35.6	35.6	23.7	14.8
90°	26.9	17.1	15.9	11.0	6.1
92.5°	165.7	117.9	107.5	65.9	24.4
95°	407.8	229.7	210.7	134.7	58.7
97.5°	549.4	252.3	235.5	168.5	101.4
100°	600.9	271.2	256.0	195.2	134.4
102.5°	624.5	290.2	275.9	219.2	162.5
105°	642.0	318.2	306.2	258.2	210.1
107.5°	645.4	359.8	348.7	303.8	259.1
110°	640.4	383.0	373.0	332.5	292.1



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CATALOG NUMBER: SQ4-FA-050U-075D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	640.6	411.1	401.4	362.9	324.4
115°	646.5	453.3	444.4	408.8	373.3
117.5°	658.5	494.2	486.1	453.8	421.5
120°	668.3	518.0	510.4	480.1	449.6
122.5°	682.4	546.2	538.5	507.8	477.1
125°	701.4	582.2	575.2	547.3	519.3
127.5°	720.3	617.0	610.0	581.7	553.5
130°	734.1	640.2	632.6	602.3	571.9
132.5°	745.3	659.2	651.6	621.2	590.7
135°	757.5	681.1	674.2	646.5	618.9
137.5°	775.9	709.3	702.5	675.0	647.5
140°	787.0	728.2	721.8	696.6	671.3
142.5°	796.4	742.3	736.5	713.0	689.7
145°	808.7	763.6	758.5	738.1	717.8
147.5°	826.6	790.5	785.6	765.7	745.9
150°	835.9	804.5	800.1	782.1	764.2
152.5°	842.1	813.7	810.4	796.7	783.2
155°	855.5	833.9	831.4	821.3	811.2
157.5°	868.9	854.0	851.6	841.9	832.1
160°	875.1	863.2	861.3	853.7	846.1
162.5°	881.6	873.0	871.6	865.9	860.2
165°	890.9	887.0	885.7	880.6	875.5
167.5°	898.2	894.9	894.3	891.9	889.5
170°	904.3	904.1	903.5	901.1	898.7
172.5°	904.7	904.7	904.6	904.0	903.5
175°	908.4	910.2	910.2	910.2	910.2
177.5°	908.9	910.2	910.2	910.2	910.2
180°	910.2	910.2	910.2	910.2	910.2



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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	13.40	14.34	14.29	15.25	16.40	16.26	17.19	17.14	18.10	19.25
	3H	13.89	14.73	14.79	15.64	16.82	17.61	18.45	18.51	19.37	20.55
	4H	14.08	14.88	15.00	15.80	16.99	18.07	18.86	18.98	19.78	20.97
	6H	14.20	14.94	15.13	15.86	17.07	18.36	19.09	19.29	20.02	21.22
	8H	14.21	14.91	15.14	15.85	17.05	18.44	19.14	19.37	20.08	21.28
	12H	14.18	14.85	15.12	15.78	17.01	18.48	19.15	19.42	20.09	21.31
4H	2H	14.45	15.25	15.37	16.17	17.36	16.67	17.47	17.59	18.39	19.58
	3H	15.49	16.15	16.42	17.10	18.30	18.19	18.85	19.12	19.81	21.01
	4H	15.77	16.37	16.71	17.32	18.54	18.73	19.33	19.67	20.28	21.51
	6H	15.89	16.42	16.85	17.39	18.61	19.10	19.62	20.06	20.60	21.82
	8H	15.90	16.39	16.86	17.35	18.59	19.22	19.70	20.17	20.67	21.91
	12H	15.87	16.31	16.85	17.29	18.54	19.28	19.72	20.25	20.70	21.95
8H	4H	16.23	16.71	17.18	17.68	18.92	18.86	19.34	19.81	20.31	21.55
	6H	16.49	16.90	17.47	17.90	19.14	19.30	19.71	20.29	20.71	21.95
	8H	16.54	16.89	17.53	17.89	19.15	19.46	19.82	20.45	20.81	22.07
	12H	16.52	16.84	17.52	17.83	19.13	19.57	19.88	20.56	20.87	22.17
12H	4H	16.24	16.68	17.21	17.66	18.91	18.83	19.27	19.80	20.25	21.49
	6H	16.56	16.91	17.55	17.91	19.17	19.30	19.66	20.29	20.65	21.91
	8H	16.63	16.94	17.62	17.93	19.23	19.47	19.78	20.46	20.77	22.08