

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: P935395

Luminaire Tested: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935395
REPORT IS A COMBINATION OF REPORTS P933752 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

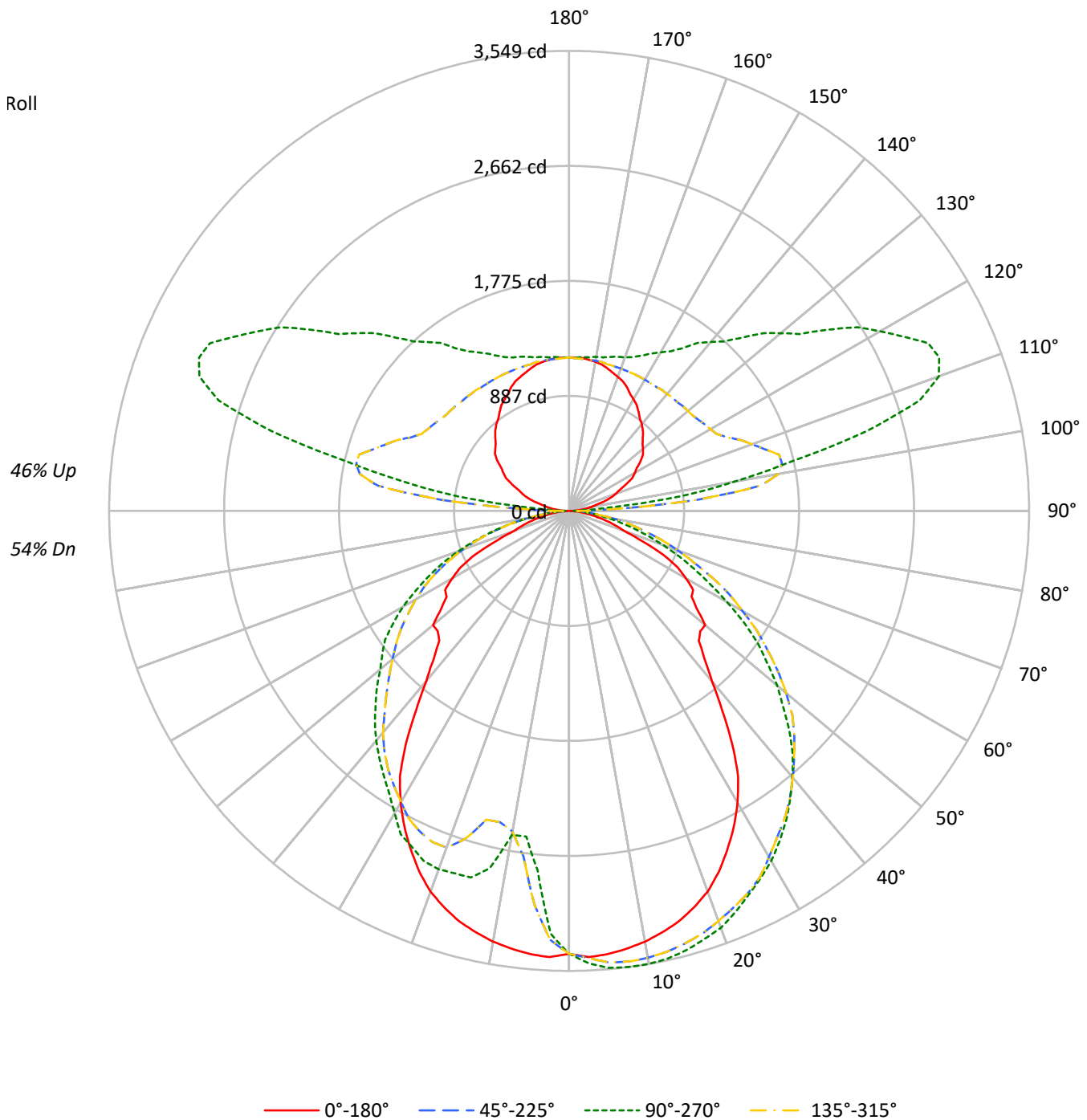
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16535.8 lumens
Efficiency: N/A
Efficacy: 120.2 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: General Diffuse

Input Watts (W): 137.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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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	0
RCR																					
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	54			
1	99	94	90	87	91	88	84	81	75	73	70	63	62	60	53	51	50	45			
2	90	82	76	71	83	77	71	67	66	62	58	56	53	50	46	44	42	38			
3	82	72	65	59	76	67	61	56	58	53	49	49	46	42	41	38	36	32			
4	75	64	56	50	69	60	53	47	51	46	42	44	40	36	37	34	31	28			
5	69	57	49	43	64	53	46	41	46	40	36	39	35	31	33	30	27	24			
6	63	51	43	37	59	48	41	35	41	36	31	35	31	28	30	26	24	21			
7	59	46	38	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19			
8	54	42	34	29	50	39	32	27	34	29	24	29	25	22	25	22	19	17			
9	51	38	31	26	47	36	29	24	31	26	22	27	23	19	23	20	17	15			
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	21	18	15	13			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15850	15850	15850	15850
5°	15968	16000	15968	12581
10°	15862	15760	15862	11268
15°	15689	15419	15689	12875
20°	15361	15014	15361	12902
25°	14690	14425	14690	12629
30°	13822	13934	13822	12028
35°	12322	13315	12322	11369
40°	10267	12586	10267	10870
45°	9174	11732	9174	10297
50°	9746	10714	9746	9722
55°	9169	9617	9169	9389
60°	9452	8168	9452	8599
65°	8569	6752	8569	7548
70°	5935	5380	5935	6326
75°	5203	3977	5203	4763
80°	4194	2630	4194	2864
85°	2408	1393	2408	1184

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14060 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.4	1.9
10°-20°	875.6	5.3
20°-30°	1353.5	8.2
30°-40°	1615.7	9.8
40°-50°	1625.2	9.8
50°-60°	1414.1	8.6
60°-70°	1002.6	6.1
70°-80°	530.5	3.2
80°-90°	136.6	0.8
90°-100°	577.0	3.5
100°-110°	1517.0	9.2
110°-120°	1573.0	9.5
120°-130°	1261.7	7.6
130°-140°	990.0	6.0
140°-150°	759.9	4.6
150°-160°	547.2	3.3
160°-170°	334.8	2.0
170°-180°	113.1	0.7
0°-30°	2537.4	15.3
0°-40°	4153.1	25.1
0°-60°	7192.4	43.5
0°-90°	8862.1	53.6
90°-120°	3667.0	22.2
90°-150°	6678.5	40.4
90°-180°	7674.0	46.4
0°-180°	16535.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3416	3416	3416	3416	3416	
5°	3432	3539	3432	2783	3432	326
15°	3277	3507	3277	2928	3277	922
25°	2886	3271	2886	2864	2886	1325
35°	2194	2918	2194	2492	2194	1358
45°	1416	2405	1416	2110	1416	1134
55°	1154	1774	1154	1732	1154	1060
65°	802	1070	802	1196	802	766
75°	304	507	304	608	304	319
85°	52	129	52	110	52	70
90°	8	30	8	30	8	9
95°	76	349	76	349	76	85
105°	273	2375	273	2375	273	290
115°	485	3059	485	3059	485	479
125°	675	2436	675	2436	675	600
135°	805	1890	805	1890	805	623
145°	934	1533	934	1533	934	585
155°	1055	1320	1055	1320	1055	485
165°	1138	1230	1138	1230	1138	321
175°	1184	1192	1184	1192	1184	112
180°	1184	1184	1184	1184	1184	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2
2.5°	3445.3	3445.3	3464.6	3471.1	3471.1	3461.5	3451.8	3461.5	3490.5	3500.3	3497.0
5°	3432.4	3458.2	3493.8	3500.3	3506.7	3503.5	3497.0	3503.5	3535.8	3542.3	3545.5
7.5°	3406.5	3455.0	3500.3	3509.9	3519.7	3509.9	3506.7	3513.2	3545.5	3551.9	3551.9
10°	3374.2	3442.1	3493.8	3500.3	3509.9	3500.3	3500.3	3513.2	3545.5	3551.9	3555.2
12.5°	3328.9	3422.6	3471.1	3477.6	3490.5	3487.3	3484.1	3497.0	3529.3	3535.8	3535.8
15°	3277.3	3387.1	3432.4	3438.9	3461.5	3455.0	3455.0	3467.9	3503.5	3513.2	3509.9
17.5°	3206.1	3341.8	3393.6	3403.2	3419.5	3416.2	3419.5	3432.4	3464.6	3471.1	3474.4
20°	3125.3	3280.4	3341.8	3351.6	3367.7	3367.7	3367.7	3383.9	3416.2	3429.1	3429.1
22.5°	3015.4	3215.9	3280.4	3286.9	3306.3	3306.3	3312.8	3335.4	3364.5	3367.7	3367.7
25°	2886.2	3144.7	3199.6	3219.0	3238.4	3248.1	3257.9	3270.8	3280.4	3277.3	3280.4
27.5°	2750.4	3054.2	3125.3	3138.2	3164.1	3173.8	3186.7	3190.0	3193.2	3202.9	3196.4
30°	2598.6	2928.2	3034.8	3047.8	3089.8	3096.2	3083.3	3089.8	3105.9	3112.4	3118.8
32.5°	2427.2	2740.8	2941.1	2970.2	3009.0	2989.6	2986.4	2996.0	3021.9	3021.9	3028.4
35°	2194.5	2595.3	2853.8	2879.7	2908.7	2886.2	2899.1	2902.3	2918.5	2928.2	2925.0
37.5°	1939.2	2469.2	2763.4	2782.8	2805.4	2776.3	2795.7	2805.4	2818.3	2811.8	2811.8
40°	1713.0	2272.0	2656.7	2669.6	2689.0	2666.4	2685.7	2692.2	2698.7	2692.2	2689.0
42.5°	1544.9	2055.5	2543.5	2559.7	2546.8	2562.9	2569.4	2582.3	2572.7	2559.7	2559.7
45°	1415.6	1997.4	2420.7	2440.1	2420.7	2446.6	2456.4	2456.4	2427.2	2420.7	2417.5
47.5°	1373.6	1881.0	2297.9	2297.9	2288.3	2320.6	2336.7	2314.1	2285.0	2275.3	2275.3
50°	1370.3	1751.8	2129.8	2116.9	2162.2	2201.0	2184.8	2162.2	2139.6	2104.1	2104.1
52.5°	1244.3	1593.3	1913.3	1961.9	2032.9	2055.5	2029.7	2007.0	1968.3	1952.1	1939.2
55°	1153.8	1428.6	1716.2	1813.2	1887.5	1916.6	1868.1	1845.4	1787.3	1777.6	1771.1
57.5°	1134.4	1189.4	1535.2	1658.0	1748.5	1745.3	1716.2	1674.2	1625.7	1616.0	1612.8
60°	1040.7	859.7	1341.3	1486.7	1580.4	1570.8	1544.9	1506.1	1460.9	1454.4	1448.0
62.5°	943.7	623.8	1121.5	1286.3	1418.8	1415.6	1393.0	1334.8	1302.5	1286.3	1273.4
65°	801.5	523.6	798.3	1069.8	1260.5	1266.9	1218.5	1176.5	1140.8	1121.5	1118.3
67.5°	610.8	426.6	539.8	892.1	1108.6	1102.1	1040.7	1021.3	976.1	966.4	947.0
70°	452.5	284.4	374.9	724.0	959.9	943.7	895.2	872.7	830.7	808.0	795.0
72.5°	374.9	229.5	274.8	562.4	808.0	788.6	746.6	720.7	685.2	665.8	652.8
75°	303.8	242.4	210.1	417.0	656.1	643.2	604.4	578.5	549.4	523.6	526.8
77.5°	223.0	226.2	168.1	307.0	520.4	501.0	478.4	446.0	433.1	407.2	407.2
80°	168.1	177.7	126.1	210.1	374.9	374.9	355.5	332.9	310.3	297.4	297.4
82.5°	113.1	113.1	93.7	132.6	255.4	245.6	232.7	226.2	213.3	206.9	206.9
85°	51.7	64.7	58.2	80.8	139.0	145.4	145.4	139.0	135.7	129.3	132.6
87.5°	16.1	29.1	35.5	45.3	71.1	74.3	77.5	77.5	77.5	80.8	80.8
90°	7.9	14.3	20.6	22.3	35.0	51.9	60.4	53.7	40.2	30.2	30.2
92.5°	31.8	85.9	139.9	153.4	215.5	298.5	340.0	298.0	214.0	151.0	145.0
95°	76.3	175.1	274.0	298.7	530.4	839.3	993.9	886.9	672.9	512.5	494.3
97.5°	131.9	219.1	306.4	328.1	714.5	1229.7	1487.2	1419.6	1284.4	1183.0	1148.4
100°	174.8	253.8	333.0	352.8	781.5	1353.1	1639.0	1643.9	1653.8	1661.2	1620.0
102.5°	211.3	285.1	358.9	377.3	812.1	1391.9	1681.9	1768.0	1940.4	2069.6	2034.2
105°	273.3	335.8	398.2	413.9	835.0	1396.4	1677.1	1870.2	2256.5	2546.2	2527.2
107.5°	336.8	395.1	453.3	468.0	839.3	1334.2	1581.8	1851.2	2390.0	2794.0	2798.6
110°	379.7	432.3	484.9	498.1	832.9	1279.1	1502.3	1803.5	2405.8	2857.6	2877.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	421.8	472.0	522.2	534.7	833.1	1231.1	1430.0	1738.3	2354.7	2817.2	2847.5
115°	485.4	531.6	578.0	589.5	840.8	1175.9	1343.4	1640.4	2234.3	2679.7	2721.8
117.5°	548.2	590.2	632.2	642.7	856.4	1141.3	1283.8	1551.8	2087.8	2489.8	2536.5
120°	584.7	624.3	663.8	673.7	869.1	1129.8	1260.0	1504.9	1994.6	2361.9	2407.3
122.5°	620.5	660.4	700.3	710.2	887.4	1123.6	1241.7	1462.2	1903.2	2234.0	2278.8
125°	675.3	711.7	748.1	757.1	912.0	1118.6	1221.8	1409.2	1783.8	2064.8	2106.1
127.5°	719.8	756.5	793.2	802.4	936.7	1115.7	1205.2	1366.0	1687.7	1928.9	1963.7
130°	743.6	783.1	822.6	832.6	954.6	1117.4	1198.8	1342.0	1628.4	1843.2	1875.2
132.5°	768.2	807.7	847.3	857.2	969.2	1118.6	1193.3	1321.4	1577.8	1770.0	1798.7
135°	804.8	840.8	876.9	885.9	985.2	1117.5	1183.7	1291.1	1505.7	1666.8	1691.6
137.5°	842.1	877.7	913.5	922.3	1009.0	1124.4	1182.1	1272.8	1454.4	1590.5	1610.8
140°	873.1	905.9	938.8	947.0	1023.5	1125.6	1176.6	1255.0	1411.8	1529.3	1548.3
142.5°	896.9	927.3	957.7	965.2	1035.7	1129.6	1176.6	1245.4	1383.1	1486.5	1502.8
145°	933.5	960.0	986.5	993.1	1051.6	1129.7	1168.6	1225.0	1337.6	1422.1	1434.4
147.5°	970.0	995.8	1021.6	1028.1	1074.9	1137.4	1168.6	1212.9	1301.6	1368.0	1378.3
150°	993.9	1017.2	1040.5	1046.3	1087.1	1141.4	1168.6	1206.1	1280.9	1337.1	1345.4
152.5°	1018.5	1036.2	1053.8	1058.2	1095.0	1144.1	1168.6	1200.6	1264.5	1312.5	1318.8
155°	1055.0	1068.1	1081.2	1084.4	1112.5	1149.9	1168.6	1194.0	1244.9	1283.0	1287.1
157.5°	1082.0	1094.7	1107.5	1110.7	1130.0	1155.7	1168.6	1188.4	1227.9	1257.6	1260.5
160°	1100.4	1110.3	1120.1	1122.6	1138.0	1158.4	1168.6	1185.6	1219.5	1244.9	1246.7
162.5°	1118.6	1126.0	1133.5	1135.3	1146.4	1161.2	1168.6	1183.0	1211.5	1233.0	1234.6
165°	1138.5	1145.1	1151.8	1153.5	1158.6	1165.3	1168.6	1178.9	1199.4	1214.8	1216.5
167.5°	1156.7	1159.8	1163.1	1163.9	1168.1	1173.7	1176.6	1183.2	1196.7	1206.7	1207.4
170°	1168.6	1171.8	1175.0	1175.8	1176.1	1176.4	1176.6	1183.2	1196.7	1206.7	1206.7
172.5°	1175.0	1175.7	1176.4	1176.6	1176.6	1176.6	1176.6	1181.9	1192.5	1200.4	1199.9
175°	1183.7	1183.7	1183.7	1183.7	1181.3	1178.2	1176.6	1179.9	1186.6	1191.6	1191.6
177.5°	1183.7	1183.7	1183.7	1183.7	1181.9	1179.4	1178.2	1180.9	1186.1	1190.1	1189.5
180°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2
2.5°	3503.5	3493.8	3503.5	3497.0	3500.3	3490.5	3461.5	3451.8	3461.5	3471.1	3471.1
5°	3545.5	3539.0	3545.5	3545.5	3542.3	3535.8	3503.5	3497.0	3503.5	3506.7	3500.3
7.5°	3558.4	3548.7	3558.4	3551.9	3551.9	3545.5	3513.2	3506.7	3509.9	3519.7	3509.9
10°	3558.4	3548.7	3558.4	3555.2	3551.9	3545.5	3513.2	3500.3	3500.3	3509.9	3500.3
12.5°	3542.3	3535.8	3542.3	3535.8	3535.8	3529.3	3497.0	3484.1	3487.3	3490.5	3477.6
15°	3516.4	3506.7	3516.4	3509.9	3513.2	3503.5	3467.9	3455.0	3455.0	3461.5	3438.9
17.5°	3477.6	3464.6	3477.6	3474.4	3471.1	3464.6	3432.4	3419.5	3416.2	3419.5	3403.2
20°	3432.4	3422.6	3432.4	3429.1	3429.1	3416.2	3383.9	3367.7	3367.7	3367.7	3351.6
22.5°	3361.2	3351.6	3361.2	3367.7	3367.7	3364.5	3335.4	3312.8	3306.3	3306.3	3286.9
25°	3280.4	3270.8	3280.4	3280.4	3277.3	3280.4	3270.8	3257.9	3248.1	3238.4	3219.0
27.5°	3202.9	3196.4	3202.9	3196.4	3202.9	3193.2	3190.0	3186.7	3173.8	3164.1	3138.2
30°	3125.3	3118.8	3125.3	3118.8	3112.4	3105.9	3089.8	3083.3	3096.2	3089.8	3047.8
32.5°	3028.4	3021.9	3028.4	3028.4	3021.9	3021.9	2996.0	2986.4	2989.6	3009.0	2970.2
35°	2928.2	2918.5	2928.2	2925.0	2928.2	2918.5	2902.3	2899.1	2886.2	2908.7	2879.7
37.5°	2811.8	2802.2	2811.8	2811.8	2811.8	2818.3	2805.4	2795.7	2776.3	2805.4	2782.8
40°	2692.2	2679.3	2692.2	2689.0	2692.2	2698.7	2692.2	2685.7	2666.4	2689.0	2669.6
42.5°	2556.5	2553.3	2556.5	2559.7	2559.7	2572.7	2582.3	2569.4	2562.9	2546.8	2559.7
45°	2411.1	2404.6	2411.1	2417.5	2420.7	2427.2	2456.4	2456.4	2446.6	2420.7	2440.1
47.5°	2255.9	2239.8	2255.9	2275.3	2275.3	2285.0	2314.1	2336.7	2320.6	2288.3	2297.9
50°	2091.1	2094.3	2091.1	2104.1	2104.1	2139.6	2162.2	2184.8	2201.0	2162.2	2116.9
52.5°	1929.5	1926.2	1929.5	1939.2	1952.1	1968.3	2007.0	2029.7	2055.5	2032.9	1961.9
55°	1767.9	1774.4	1767.9	1771.1	1777.6	1787.3	1845.4	1868.1	1916.6	1887.5	1813.2
57.5°	1606.3	1596.6	1606.3	1612.8	1616.0	1625.7	1674.2	1716.2	1745.3	1748.5	1658.0
60°	1418.8	1406.0	1418.8	1448.0	1454.4	1460.9	1506.1	1544.9	1570.8	1580.4	1486.7
62.5°	1254.0	1231.4	1254.0	1273.4	1286.3	1302.5	1334.8	1393.0	1415.6	1418.8	1286.3
65°	1079.4	1069.8	1079.4	1118.3	1121.5	1140.8	1176.5	1218.5	1266.9	1260.5	1069.8
67.5°	921.1	921.1	921.1	947.0	966.4	976.1	1021.3	1040.7	1102.1	1108.6	892.1
70°	775.7	772.4	775.7	795.0	808.0	830.7	872.7	895.2	943.7	959.9	724.0
72.5°	636.7	633.5	636.7	652.8	665.8	685.2	720.7	746.6	788.6	808.0	562.4
75°	513.9	507.4	513.9	526.8	523.6	549.4	578.5	604.4	643.2	656.1	417.0
77.5°	394.3	394.3	394.3	407.2	407.2	433.1	446.0	478.4	501.0	520.4	307.0
80°	294.1	290.9	294.1	297.4	297.4	310.3	332.9	355.5	374.9	374.9	210.1
82.5°	206.9	200.4	206.9	206.9	206.9	213.3	226.2	232.7	245.6	255.4	132.6
85°	129.3	129.3	129.3	132.6	129.3	135.7	139.0	145.4	145.4	139.0	80.8
87.5°	84.0	80.8	84.0	80.8	80.8	77.5	77.5	77.5	74.3	71.1	45.3
90°	30.2	30.2	30.2	30.2	30.2	40.2	53.7	60.4	51.9	35.0	22.3
92.5°	121.0	96.9	121.0	145.0	151.0	214.0	298.0	340.0	298.5	215.5	153.4
95°	421.5	348.8	421.5	494.3	512.5	672.9	886.9	993.9	839.3	530.4	298.7
97.5°	1009.9	871.5	1009.9	1148.4	1183.0	1284.4	1419.6	1487.2	1229.7	714.5	328.1
100°	1455.1	1290.2	1455.1	1620.0	1661.2	1653.8	1643.9	1639.0	1353.1	781.5	352.8
102.5°	1893.0	1751.8	1893.0	2034.2	2069.6	1940.4	1768.0	1681.9	1391.9	812.1	377.3
105°	2451.3	2375.4	2451.3	2527.2	2546.2	2256.5	1870.2	1677.1	1396.4	835.0	413.9
107.5°	2817.1	2835.4	2817.1	2798.6	2794.0	2390.0	1851.2	1581.8	1334.2	839.3	468.0
110°	2956.5	3035.6	2956.5	2877.4	2857.6	2405.8	1803.5	1502.3	1279.1	832.9	498.1



TEST NUMBER: P935395

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2968.9	3090.4	2968.9	2847.5	2817.2	2354.7	1738.3	1430.0	1231.1	833.1	534.7
115°	2890.2	3058.7	2890.2	2721.8	2679.7	2234.3	1640.4	1343.4	1175.9	840.8	589.5
117.5°	2723.3	2910.1	2723.3	2536.5	2489.8	2087.8	1551.8	1283.8	1141.3	856.4	642.7
120°	2588.8	2770.3	2588.8	2407.3	2361.9	1994.6	1504.9	1260.0	1129.8	869.1	673.7
122.5°	2457.8	2636.8	2457.8	2278.8	2234.0	1903.2	1462.2	1241.7	1123.6	887.4	710.2
125°	2270.9	2435.8	2270.9	2106.1	2064.8	1783.8	1409.2	1221.8	1118.6	912.0	757.1
127.5°	2102.8	2242.0	2102.8	1963.7	1928.9	1687.7	1366.0	1205.2	1115.7	936.7	802.4
130°	2003.8	2132.3	2003.8	1875.2	1843.2	1628.4	1342.0	1198.8	1117.4	954.6	832.6
132.5°	1913.9	2029.0	1913.9	1798.7	1770.0	1577.8	1321.4	1193.3	1118.6	969.2	857.2
135°	1790.8	1890.0	1790.8	1691.6	1666.8	1505.7	1291.1	1183.7	1117.5	985.2	885.9
137.5°	1692.0	1773.2	1692.0	1610.8	1590.5	1454.4	1272.8	1182.1	1124.4	1009.0	922.3
140°	1624.2	1700.1	1624.2	1548.3	1529.3	1411.8	1255.0	1176.6	1125.6	1023.5	947.0
142.5°	1568.1	1633.4	1568.1	1502.8	1486.5	1383.1	1245.4	1176.6	1129.6	1035.7	965.2
145°	1483.9	1533.3	1483.9	1434.4	1422.1	1337.6	1225.0	1168.6	1129.7	1051.6	993.1
147.5°	1419.2	1460.2	1419.2	1378.3	1368.0	1301.6	1212.9	1168.6	1137.4	1074.9	1028.1
150°	1378.5	1411.8	1378.5	1345.4	1337.1	1280.9	1206.1	1168.6	1141.4	1087.1	1046.3
152.5°	1343.8	1368.8	1343.8	1318.8	1312.5	1264.5	1200.6	1168.6	1144.1	1095.0	1058.2
155°	1303.8	1320.4	1303.8	1287.1	1283.0	1244.9	1194.0	1168.6	1149.9	1112.5	1084.4
157.5°	1272.2	1283.8	1272.2	1260.5	1257.6	1227.9	1188.4	1168.6	1155.7	1130.0	1110.7
160°	1253.3	1260.0	1253.3	1246.7	1244.9	1219.5	1185.6	1168.6	1158.4	1138.0	1122.6
162.5°	1240.9	1247.3	1240.9	1234.6	1233.0	1211.5	1183.0	1168.6	1161.2	1146.4	1135.3
165°	1223.2	1229.8	1223.2	1216.5	1214.8	1199.4	1178.9	1168.6	1165.3	1158.6	1153.5
167.5°	1210.3	1213.1	1210.3	1207.4	1206.7	1196.7	1183.2	1176.6	1173.7	1168.1	1163.9
170°	1206.7	1206.7	1206.7	1206.7	1206.7	1196.7	1183.2	1176.6	1176.4	1176.1	1175.8
172.5°	1197.4	1194.9	1197.4	1199.9	1200.4	1192.5	1181.9	1176.6	1176.6	1176.6	1176.6
175°	1191.6	1191.6	1191.6	1191.6	1191.6	1186.6	1179.9	1176.6	1178.2	1181.3	1183.7
177.5°	1186.6	1183.7	1186.6	1189.5	1190.1	1186.1	1180.9	1178.2	1179.4	1181.9	1183.7
180°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7



TEST NUMBER: P935395

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2
2.5°	3464.6	3445.3	3445.3	3413.0	3400.1	3390.3	3374.2	3325.7	3312.8	3299.8	3319.3
5°	3493.8	3458.2	3432.4	3374.2	3325.7	3306.3	3244.9	3128.6	3051.0	2992.8	2960.5
7.5°	3500.3	3455.0	3406.5	3316.0	3199.6	3148.0	2960.5	2747.2	2689.0	2637.3	2605.0
10°	3493.8	3442.1	3374.2	3238.4	2963.7	2873.2	2685.7	2546.8	2511.3	2501.5	2511.3
12.5°	3471.1	3422.6	3328.9	3102.7	2718.1	2656.7	2546.8	2466.0	2459.5	2475.7	2562.9
15°	3432.4	3387.1	3277.3	2921.7	2582.3	2537.1	2459.5	2430.5	2466.0	2579.2	2840.9
17.5°	3393.6	3341.8	3206.1	2744.0	2478.9	2446.6	2391.7	2449.9	2650.2	2802.2	2889.4
20°	3341.8	3280.4	3125.3	2614.7	2404.6	2375.5	2349.7	2611.4	2763.4	2818.3	2866.8
22.5°	3280.4	3215.9	3015.4	2524.2	2327.0	2304.4	2320.6	2702.0	2763.4	2802.2	2844.2
25°	3199.6	3144.7	2886.2	2453.1	2265.6	2239.8	2301.2	2692.2	2727.8	2737.5	2821.5
27.5°	3125.3	3054.2	2750.4	2388.5	2191.2	2181.6	2317.3	2650.2	2676.1	2685.7	2776.3
30°	3034.8	2928.2	2598.6	2320.6	2113.7	2110.5	2320.6	2598.6	2592.1	2617.9	2708.4
32.5°	2941.1	2740.8	2427.2	2236.5	2039.4	2036.2	2297.9	2520.9	2514.5	2550.0	2617.9
35°	2853.8	2595.3	2194.5	2139.6	1945.6	1948.9	2243.0	2430.5	2433.7	2466.0	2508.0
37.5°	2763.4	2469.2	1939.2	2032.9	1855.2	1855.2	2168.6	2346.4	2339.9	2349.7	2407.8
40°	2656.7	2272.0	1713.0	1894.0	1771.1	1761.4	2078.2	2255.9	2233.3	2230.1	2310.9
42.5°	2543.5	2055.5	1544.9	1709.7	1674.2	1661.2	1968.3	2146.1	2104.1	2113.7	2217.1
45°	2420.7	1997.4	1415.6	1444.7	1573.9	1564.3	1848.7	2020.0	1990.9	2016.8	2123.4
47.5°	2297.9	1881.0	1373.6	1199.1	1467.4	1464.1	1716.2	1897.2	1881.0	1906.8	2020.0
50°	2129.8	1751.8	1370.3	1027.8	1347.7	1360.7	1557.8	1777.6	1777.6	1800.2	1919.8
52.5°	1913.3	1593.3	1244.3	930.8	1208.7	1247.5	1418.8	1674.2	1680.6	1703.2	1809.9
55°	1716.2	1428.6	1153.8	856.4	1043.9	1128.0	1283.1	1567.5	1580.4	1603.1	1700.0
57.5°	1535.2	1189.4	1134.4	769.3	892.1	972.9	1163.5	1464.1	1470.5	1490.0	1583.7
60°	1341.3	859.7	1040.7	675.5	759.5	820.9	1053.7	1341.3	1363.9	1376.8	1457.6
62.5°	1121.5	623.8	943.7	610.8	694.9	707.8	963.1	1224.9	1254.0	1263.8	1312.2
65°	798.3	523.6	801.5	555.9	627.0	630.2	866.2	1105.3	1131.2	1147.3	1182.9
67.5°	539.8	426.6	610.8	504.1	575.3	578.5	772.4	966.4	1001.9	1014.9	1037.5
70°	374.9	284.4	452.5	449.2	517.1	523.6	672.2	840.3	872.7	882.3	895.2
72.5°	274.8	229.5	374.9	404.0	455.7	462.2	568.8	698.1	730.4	740.1	746.6
75°	210.1	242.4	303.8	352.3	387.8	391.1	465.4	568.8	591.4	597.9	601.2
77.5°	168.1	226.2	223.0	284.4	316.8	310.3	365.2	439.6	459.0	459.0	459.0
80°	126.1	177.7	168.1	203.6	232.7	226.2	261.8	313.5	319.9	326.4	323.2
82.5°	93.7	113.1	113.1	129.3	155.1	148.7	174.6	203.6	203.6	203.6	210.1
85°	58.2	64.7	51.7	67.9	87.3	84.0	96.9	109.9	113.1	113.1	106.7
87.5°	35.5	29.1	16.1	25.9	38.8	38.8	45.3	48.5	45.3	45.3	45.3
90°	20.6	14.3	7.9	14.3	20.6	22.3	35.0	51.9	60.4	53.7	40.2
92.5°	139.9	85.9	31.8	85.9	139.9	153.4	215.5	298.5	340.0	298.0	214.0
95°	274.0	175.1	76.3	175.1	274.0	298.7	530.4	839.3	993.9	886.9	672.9
97.5°	306.4	219.1	131.9	219.1	306.4	328.1	714.5	1229.7	1487.2	1419.6	1284.4
100°	333.0	253.8	174.8	253.8	333.0	352.8	781.5	1353.1	1639.0	1643.9	1653.8
102.5°	358.9	285.1	211.3	285.1	358.9	377.3	812.1	1391.9	1681.9	1768.0	1940.4
105°	398.2	335.8	273.3	335.8	398.2	413.9	835.0	1396.4	1677.1	1870.2	2256.5
107.5°	453.3	395.1	336.8	395.1	453.3	468.0	839.3	1334.2	1581.8	1851.2	2390.0
110°	484.9	432.3	379.7	432.3	484.9	498.1	832.9	1279.1	1502.3	1803.5	2405.8



TEST NUMBER: P935395

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	522.2	472.0	421.8	472.0	522.2	534.7	833.1	1231.1	1430.0	1738.3	2354.7
115°	578.0	531.6	485.4	531.6	578.0	589.5	840.8	1175.9	1343.4	1640.4	2234.3
117.5°	632.2	590.2	548.2	590.2	632.2	642.7	856.4	1141.3	1283.8	1551.8	2087.8
120°	663.8	624.3	584.7	624.3	663.8	673.7	869.1	1129.8	1260.0	1504.9	1994.6
122.5°	700.3	660.4	620.5	660.4	700.3	710.2	887.4	1123.6	1241.7	1462.2	1903.2
125°	748.1	711.7	675.3	711.7	748.1	757.1	912.0	1118.6	1221.8	1409.2	1783.8
127.5°	793.2	756.5	719.8	756.5	793.2	802.4	936.7	1115.7	1205.2	1366.0	1687.7
130°	822.6	783.1	743.6	783.1	822.6	832.6	954.6	1117.4	1198.8	1342.0	1628.4
132.5°	847.3	807.7	768.2	807.7	847.3	857.2	969.2	1118.6	1193.3	1321.4	1577.8
135°	876.9	840.8	804.8	840.8	876.9	885.9	985.2	1117.5	1183.7	1291.1	1505.7
137.5°	913.5	877.7	842.1	877.7	913.5	922.3	1009.0	1124.4	1182.1	1272.8	1454.4
140°	938.8	905.9	873.1	905.9	938.8	947.0	1023.5	1125.6	1176.6	1255.0	1411.8
142.5°	957.7	927.3	896.9	927.3	957.7	965.2	1035.7	1129.6	1176.6	1245.4	1383.1
145°	986.5	960.0	933.5	960.0	986.5	993.1	1051.6	1129.7	1168.6	1225.0	1337.6
147.5°	1021.6	995.8	970.0	995.8	1021.6	1028.1	1074.9	1137.4	1168.6	1212.9	1301.6
150°	1040.5	1017.2	993.9	1017.2	1040.5	1046.3	1087.1	1141.4	1168.6	1206.1	1280.9
152.5°	1053.8	1036.2	1018.5	1036.2	1053.8	1058.2	1095.0	1144.1	1168.6	1200.6	1264.5
155°	1081.2	1068.1	1055.0	1068.1	1081.2	1084.4	1112.5	1149.9	1168.6	1194.0	1244.9
157.5°	1107.5	1094.7	1082.0	1094.7	1107.5	1110.7	1130.0	1155.7	1168.6	1188.4	1227.9
160°	1120.1	1110.3	1100.4	1110.3	1120.1	1122.6	1138.0	1158.4	1168.6	1185.6	1219.5
162.5°	1133.5	1126.0	1118.6	1126.0	1133.5	1135.3	1146.4	1161.2	1168.6	1183.0	1211.5
165°	1151.8	1145.1	1138.5	1145.1	1151.8	1153.5	1158.6	1165.3	1168.6	1178.9	1199.4
167.5°	1163.1	1159.8	1156.7	1159.8	1163.1	1163.9	1168.1	1173.7	1176.6	1183.2	1196.7
170°	1175.0	1171.8	1168.6	1171.8	1175.0	1175.8	1176.1	1176.4	1176.6	1183.2	1196.7
172.5°	1176.4	1175.7	1175.0	1175.7	1176.4	1176.6	1176.6	1176.6	1176.6	1181.9	1192.5
175°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1181.3	1178.2	1176.6	1179.9	1186.6
177.5°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1181.9	1179.4	1178.2	1180.9	1186.1
180°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7



TEST NUMBER: P935395
 CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2
2.5°	3296.7	3286.9	3299.8	3264.3	3299.8	3286.9	3296.7	3319.3	3299.8	3312.8	3325.7
5°	2892.6	2876.5	2824.8	2782.8	2824.8	2876.5	2892.6	2960.5	2992.8	3051.0	3128.6
7.5°	2585.6	2572.7	2559.7	2533.9	2559.7	2572.7	2585.6	2605.0	2637.3	2689.0	2747.2
10°	2517.8	2520.9	2540.3	2537.1	2540.3	2520.9	2517.8	2511.3	2501.5	2511.3	2546.8
12.5°	2692.2	2721.4	2827.9	2821.5	2827.9	2721.4	2692.2	2562.9	2475.7	2459.5	2466.0
15°	2892.6	2902.3	2925.0	2928.2	2925.0	2902.3	2892.6	2840.9	2579.2	2466.0	2430.5
17.5°	2912.0	2915.2	2931.4	2931.4	2931.4	2915.2	2912.0	2889.4	2802.2	2650.2	2449.9
20°	2895.8	2902.3	2934.6	2941.1	2934.6	2902.3	2895.8	2866.8	2818.3	2763.4	2611.4
22.5°	2889.4	2902.3	2928.2	2925.0	2928.2	2902.3	2889.4	2844.2	2802.2	2763.4	2702.0
25°	2857.1	2857.1	2860.3	2863.6	2860.3	2857.1	2857.1	2821.5	2737.5	2727.8	2692.2
27.5°	2789.2	2795.7	2815.1	2811.8	2815.1	2795.7	2789.2	2776.3	2685.7	2676.1	2650.2
30°	2727.8	2721.4	2705.1	2692.2	2705.1	2721.4	2727.8	2708.4	2617.9	2592.1	2598.6
32.5°	2624.3	2608.2	2592.1	2582.3	2592.1	2608.2	2624.3	2617.9	2550.0	2514.5	2520.9
35°	2501.5	2504.8	2501.5	2491.9	2501.5	2504.8	2501.5	2508.0	2466.0	2433.7	2430.5
37.5°	2414.3	2420.7	2417.5	2404.6	2417.5	2420.7	2414.3	2407.8	2349.7	2339.9	2346.4
40°	2323.8	2327.0	2323.8	2314.1	2323.8	2327.0	2323.8	2310.9	2230.1	2233.3	2255.9
42.5°	2236.5	2233.3	2223.6	2217.1	2223.6	2233.3	2236.5	2217.1	2113.7	2104.1	2146.1
45°	2136.3	2139.6	2120.2	2110.5	2120.2	2139.6	2136.3	2123.4	2016.8	1990.9	2020.0
47.5°	2036.2	2036.2	2020.0	2010.3	2020.0	2036.2	2036.2	2020.0	1906.8	1881.0	1897.2
50°	1929.5	1926.2	1903.6	1900.4	1903.6	1926.2	1929.5	1919.8	1800.2	1777.6	1777.6
52.5°	1806.7	1806.7	1809.9	1816.4	1809.9	1806.7	1806.7	1809.9	1703.2	1680.6	1674.2
55°	1700.0	1703.2	1725.9	1732.4	1725.9	1703.2	1700.0	1700.0	1603.1	1580.4	1567.5
57.5°	1590.2	1590.2	1606.3	1606.3	1606.3	1590.2	1590.2	1583.7	1490.0	1470.5	1464.1
60°	1464.1	1470.5	1483.5	1480.2	1483.5	1470.5	1464.1	1457.6	1376.8	1363.9	1341.3
62.5°	1331.6	1338.1	1341.3	1334.8	1341.3	1338.1	1331.6	1312.2	1263.8	1254.0	1224.9
65°	1192.6	1199.1	1202.3	1195.9	1202.3	1199.1	1192.6	1182.9	1147.3	1131.2	1105.3
67.5°	1050.4	1047.2	1043.9	1056.9	1043.9	1047.2	1050.4	1037.5	1014.9	1001.9	966.4
70°	905.0	905.0	901.7	908.2	901.7	905.0	905.0	895.2	882.3	872.7	840.3
72.5°	749.9	746.6	759.5	749.9	759.5	746.6	749.9	746.6	740.1	730.4	698.1
75°	597.9	604.4	597.9	607.6	597.9	604.4	597.9	601.2	597.9	591.4	568.8
77.5°	455.7	462.2	455.7	455.7	455.7	462.2	455.7	459.0	459.0	459.0	439.6
80°	323.2	319.9	319.9	316.8	319.9	319.9	323.2	323.2	326.4	319.9	313.5
82.5°	206.9	203.6	203.6	210.1	203.6	203.6	206.9	210.1	203.6	203.6	203.6
85°	113.1	116.3	109.9	109.9	109.9	116.3	113.1	106.7	113.1	113.1	109.9
87.5°	42.0	38.8	38.8	38.8	38.8	38.8	42.0	45.3	45.3	45.3	48.5
90°	30.2	30.2	30.2	30.2	30.2	30.2	30.2	40.2	53.7	60.4	51.9
92.5°	151.0	145.0	121.0	96.9	121.0	145.0	151.0	214.0	298.0	340.0	298.5
95°	512.5	494.3	421.5	348.8	421.5	494.3	512.5	672.9	886.9	993.9	839.3
97.5°	1183.0	1148.4	1009.9	871.5	1009.9	1148.4	1183.0	1284.4	1419.6	1487.2	1229.7
100°	1661.2	1620.0	1455.1	1290.2	1455.1	1620.0	1661.2	1653.8	1643.9	1639.0	1353.1
102.5°	2069.6	2034.2	1893.0	1751.8	1893.0	2034.2	2069.6	1940.4	1768.0	1681.9	1391.9
105°	2546.2	2527.2	2451.3	2375.4	2451.3	2527.2	2546.2	2256.5	1870.2	1677.1	1396.4
107.5°	2794.0	2798.6	2817.1	2835.4	2817.1	2798.6	2794.0	2390.0	1851.2	1581.8	1334.2
110°	2857.6	2877.4	2956.5	3035.6	2956.5	2877.4	2857.6	2405.8	1803.5	1502.3	1279.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2817.2	2847.5	2968.9	3090.4	2968.9	2847.5	2817.2	2354.7	1738.3	1430.0	1231.1
115°	2679.7	2721.8	2890.2	3058.7	2890.2	2721.8	2679.7	2234.3	1640.4	1343.4	1175.9
117.5°	2489.8	2536.5	2723.3	2910.1	2723.3	2536.5	2489.8	2087.8	1551.8	1283.8	1141.3
120°	2361.9	2407.3	2588.8	2770.3	2588.8	2407.3	2361.9	1994.6	1504.9	1260.0	1129.8
122.5°	2234.0	2278.8	2457.8	2636.8	2457.8	2278.8	2234.0	1903.2	1462.2	1241.7	1123.6
125°	2064.8	2106.1	2270.9	2435.8	2270.9	2106.1	2064.8	1783.8	1409.2	1221.8	1118.6
127.5°	1928.9	1963.7	2102.8	2242.0	2102.8	1963.7	1928.9	1687.7	1366.0	1205.2	1115.7
130°	1843.2	1875.2	2003.8	2132.3	2003.8	1875.2	1843.2	1628.4	1342.0	1198.8	1117.4
132.5°	1770.0	1798.7	1913.9	2029.0	1913.9	1798.7	1770.0	1577.8	1321.4	1193.3	1118.6
135°	1666.8	1691.6	1790.8	1890.0	1790.8	1691.6	1666.8	1505.7	1291.1	1183.7	1117.5
137.5°	1590.5	1610.8	1692.0	1773.2	1692.0	1610.8	1590.5	1454.4	1272.8	1182.1	1124.4
140°	1529.3	1548.3	1624.2	1700.1	1624.2	1548.3	1529.3	1411.8	1255.0	1176.6	1125.6
142.5°	1486.5	1502.8	1568.1	1633.4	1568.1	1502.8	1486.5	1383.1	1245.4	1176.6	1129.6
145°	1422.1	1434.4	1483.9	1533.3	1483.9	1434.4	1422.1	1337.6	1225.0	1168.6	1129.7
147.5°	1368.0	1378.3	1419.2	1460.2	1419.2	1378.3	1368.0	1301.6	1212.9	1168.6	1137.4
150°	1337.1	1345.4	1378.5	1411.8	1378.5	1345.4	1337.1	1280.9	1206.1	1168.6	1141.4
152.5°	1312.5	1318.8	1343.8	1368.8	1343.8	1318.8	1312.5	1264.5	1200.6	1168.6	1144.1
155°	1283.0	1287.1	1303.8	1320.4	1303.8	1287.1	1283.0	1244.9	1194.0	1168.6	1149.9
157.5°	1257.6	1260.5	1272.2	1283.8	1272.2	1260.5	1257.6	1227.9	1188.4	1168.6	1155.7
160°	1244.9	1246.7	1253.3	1260.0	1253.3	1246.7	1244.9	1219.5	1185.6	1168.6	1158.4
162.5°	1233.0	1234.6	1240.9	1247.3	1240.9	1234.6	1233.0	1211.5	1183.0	1168.6	1161.2
165°	1214.8	1216.5	1223.2	1229.8	1223.2	1216.5	1214.8	1199.4	1178.9	1168.6	1165.3
167.5°	1206.7	1207.4	1210.3	1213.1	1210.3	1207.4	1206.7	1196.7	1183.2	1176.6	1173.7
170°	1206.7	1206.7	1206.7	1206.7	1206.7	1206.7	1206.7	1196.7	1183.2	1176.6	1176.4
172.5°	1200.4	1199.9	1197.4	1194.9	1197.4	1199.9	1200.4	1192.5	1181.9	1176.6	1176.6
175°	1191.6	1191.6	1191.6	1191.6	1191.6	1191.6	1191.6	1186.6	1179.9	1176.6	1178.2
177.5°	1190.1	1189.5	1186.6	1183.7	1186.6	1189.5	1190.1	1186.1	1180.9	1178.2	1179.4
180°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3416.2	3416.2	3416.2	3416.2	3416.2
2.5°	3374.2	3390.3	3400.1	3413.0	3445.3
5°	3244.9	3306.3	3325.7	3374.2	3432.4
7.5°	2960.5	3148.0	3199.6	3316.0	3406.5
10°	2685.7	2873.2	2963.7	3238.4	3374.2
12.5°	2546.8	2656.7	2718.1	3102.7	3328.9
15°	2459.5	2537.1	2582.3	2921.7	3277.3
17.5°	2391.7	2446.6	2478.9	2744.0	3206.1
20°	2349.7	2375.5	2404.6	2614.7	3125.3
22.5°	2320.6	2304.4	2327.0	2524.2	3015.4
25°	2301.2	2239.8	2265.6	2453.1	2886.2
27.5°	2317.3	2181.6	2191.2	2388.5	2750.4
30°	2320.6	2110.5	2113.7	2320.6	2598.6
32.5°	2297.9	2036.2	2039.4	2236.5	2427.2
35°	2243.0	1948.9	1945.6	2139.6	2194.5
37.5°	2168.6	1855.2	1855.2	2032.9	1939.2
40°	2078.2	1761.4	1771.1	1894.0	1713.0
42.5°	1968.3	1661.2	1674.2	1709.7	1544.9
45°	1848.7	1564.3	1573.9	1444.7	1415.6
47.5°	1716.2	1464.1	1467.4	1199.1	1373.6
50°	1557.8	1360.7	1347.7	1027.8	1370.3
52.5°	1418.8	1247.5	1208.7	930.8	1244.3
55°	1283.1	1128.0	1043.9	856.4	1153.8
57.5°	1163.5	972.9	892.1	769.3	1134.4
60°	1053.7	820.9	759.5	675.5	1040.7
62.5°	963.1	707.8	694.9	610.8	943.7
65°	866.2	630.2	627.0	555.9	801.5
67.5°	772.4	578.5	575.3	504.1	610.8
70°	672.2	523.6	517.1	449.2	452.5
72.5°	568.8	462.2	455.7	404.0	374.9
75°	465.4	391.1	387.8	352.3	303.8
77.5°	365.2	310.3	316.8	284.4	223.0
80°	261.8	226.2	232.7	203.6	168.1
82.5°	174.6	148.7	155.1	129.3	113.1
85°	96.9	84.0	87.3	67.9	51.7
87.5°	45.3	38.8	38.8	25.9	16.1
90°	35.0	22.3	20.6	14.3	7.9
92.5°	215.5	153.4	139.9	85.9	31.8
95°	530.4	298.7	274.0	175.1	76.3
97.5°	714.5	328.1	306.4	219.1	131.9
100°	781.5	352.8	333.0	253.8	174.8
102.5°	812.1	377.3	358.9	285.1	211.3
105°	835.0	413.9	398.2	335.8	273.3
107.5°	839.3	468.0	453.3	395.1	336.8
110°	832.9	498.1	484.9	432.3	379.7



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CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	833.1	534.7	522.2	472.0	421.8
115°	840.8	589.5	578.0	531.6	485.4
117.5°	856.4	642.7	632.2	590.2	548.2
120°	869.1	673.7	663.8	624.3	584.7
122.5°	887.4	710.2	700.3	660.4	620.5
125°	912.0	757.1	748.1	711.7	675.3
127.5°	936.7	802.4	793.2	756.5	719.8
130°	954.6	832.6	822.6	783.1	743.6
132.5°	969.2	857.2	847.3	807.7	768.2
135°	985.2	885.9	876.9	840.8	804.8
137.5°	1009.0	922.3	913.5	877.7	842.1
140°	1023.5	947.0	938.8	905.9	873.1
142.5°	1035.7	965.2	957.7	927.3	896.9
145°	1051.6	993.1	986.5	960.0	933.5
147.5°	1074.9	1028.1	1021.6	995.8	970.0
150°	1087.1	1046.3	1040.5	1017.2	993.9
152.5°	1095.0	1058.2	1053.8	1036.2	1018.5
155°	1112.5	1084.4	1081.2	1068.1	1055.0
157.5°	1130.0	1110.7	1107.5	1094.7	1082.0
160°	1138.0	1122.6	1120.1	1110.3	1100.4
162.5°	1146.4	1135.3	1133.5	1126.0	1118.6
165°	1158.6	1153.5	1151.8	1145.1	1138.5
167.5°	1168.1	1163.9	1163.1	1159.8	1156.7
170°	1176.1	1175.8	1175.0	1171.8	1168.6
172.5°	1176.6	1176.6	1176.4	1175.7	1175.0
175°	1181.3	1183.7	1183.7	1183.7	1183.7
177.5°	1181.9	1183.7	1183.7	1183.7	1183.7
180°	1183.7	1183.7	1183.7	1183.7	1183.7



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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	14.73	15.63	15.66	16.57	17.79	17.57	18.47	18.50	19.41	20.63
	3H	15.21	16.02	16.15	16.97	18.21	18.92	19.72	19.86	20.68	21.92
	4H	15.41	16.16	16.36	17.12	18.37	19.37	20.13	20.32	21.09	22.34
	6H	15.53	16.23	16.49	17.19	18.45	19.66	20.36	20.62	21.32	22.58
	8H	15.53	16.19	16.50	17.17	18.44	19.73	20.40	20.70	21.38	22.64
	12H	15.50	16.13	16.48	17.11	18.39	19.78	20.41	20.75	21.38	22.67
4H	2H	15.77	16.53	16.73	17.49	18.74	17.98	18.74	18.94	19.70	20.95
	3H	16.80	17.43	17.77	18.42	19.69	19.50	20.13	20.46	21.12	22.38
	4H	17.08	17.66	18.06	18.64	19.93	20.03	20.60	21.00	21.59	22.88
	6H	17.21	17.70	18.20	18.71	20.00	20.40	20.89	21.39	21.90	23.19
	8H	17.21	17.68	18.20	18.68	19.98	20.50	20.97	21.50	21.97	23.27
	12H	17.18	17.60	18.19	18.62	19.92	20.56	20.98	21.57	22.00	23.31
8H	4H	17.54	18.00	18.53	19.00	20.30	20.15	20.62	21.14	21.62	22.92
	6H	17.80	18.18	18.82	19.22	20.53	20.59	20.98	21.61	22.02	23.32
	8H	17.84	18.18	18.87	19.21	20.53	20.75	21.09	21.77	22.11	23.43
	12H	17.83	18.13	18.86	19.15	20.51	20.85	21.15	21.88	22.17	23.53
12H	4H	17.55	17.96	18.56	18.98	20.29	20.12	20.54	21.13	21.55	22.86
	6H	17.86	18.20	18.89	19.23	20.55	20.59	20.93	21.62	21.96	23.28
	8H	17.93	18.23	18.96	19.25	20.61	20.76	21.05	21.78	22.07	23.44