

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: P935340

Luminaire Tested: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935340
REPORT IS A COMBINATION OF REPORTS P933751 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-6-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

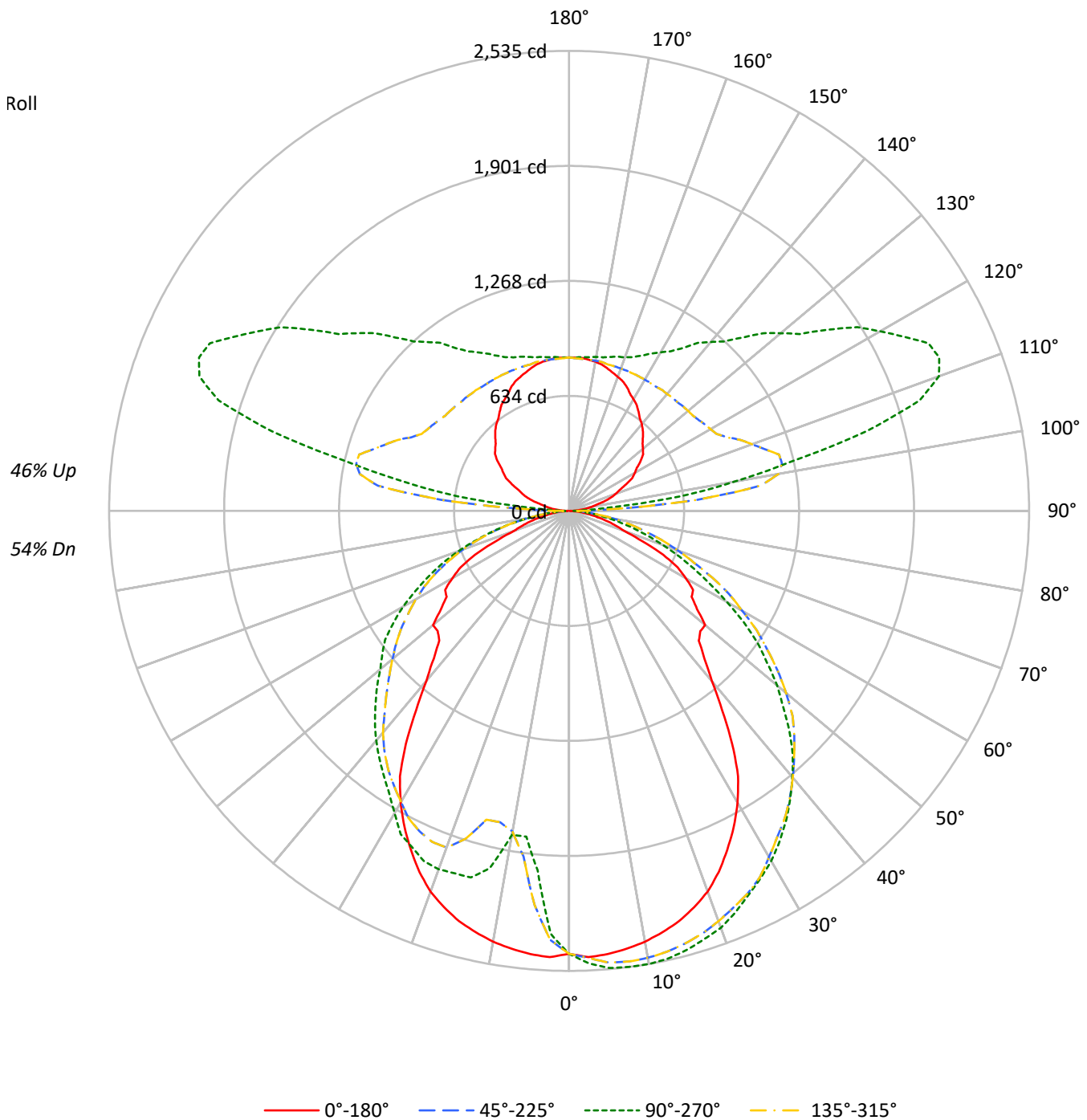
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11812.5 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 103.2
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	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°	15097	15097	15097	15097
5°	15204	15239	15204	11982
10°	15097	15012	15097	10732
15°	14927	14686	14927	12263
20°	14609	14301	14609	12289
25°	13964	13739	13964	12028
30°	13133	13273	13133	11457
35°	11703	12682	11703	10829
40°	9745	11988	9745	10354
45°	8702	11175	8702	9807
50°	9238	10205	9238	9259
55°	8683	9160	8683	8943
60°	8940	7779	8940	8191
65°	8092	6431	8092	7188
70°	5590	5125	5590	6026
75°	4883	3789	4883	4537
80°	3909	2505	3909	2726
85°	2200	1326	2200	1128

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13345 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.3	1.9
10°-20°	625.5	5.3
20°-30°	966.8	8.2
30°-40°	1154.2	9.8
40°-50°	1161.0	9.8
50°-60°	1010.2	8.6
60°-70°	716.2	6.1
70°-80°	378.9	3.2
80°-90°	97.6	0.8
90°-100°	412.2	3.5
100°-110°	1083.7	9.2
110°-120°	1123.7	9.5
120°-130°	901.3	7.6
130°-140°	707.2	6.0
140°-150°	542.8	4.6
150°-160°	390.9	3.3
160°-170°	239.2	2.0
170°-180°	80.8	0.7
0°-30°	1812.6	15.3
0°-40°	2966.8	25.1
0°-60°	5137.9	43.5
0°-90°	6330.7	53.6
90°-120°	2619.6	22.2
90°-150°	4771.0	40.4
90°-180°	5482.0	46.4
0°-180°	11812.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2440	2440	2440	2440	2440	
5°	2452	2528	2452	1988	2452	233
15°	2341	2505	2341	2092	2341	659
25°	2062	2336	2062	2046	2062	947
35°	1568	2085	1568	1780	1568	970
45°	1011	1718	1011	1508	1011	810
55°	824	1268	824	1238	824	757
65°	573	764	573	854	573	547
75°	217	362	217	434	217	228
85°	37	92	37	78	37	50
90°	6	22	6	22	6	6
95°	54	249	54	249	54	61
105°	195	1697	195	1697	195	207
115°	347	2185	347	2185	347	343
125°	482	1740	482	1740	482	428
135°	575	1350	575	1350	575	445
145°	667	1095	667	1095	667	418
155°	754	943	754	943	754	346
165°	813	878	813	878	813	230
175°	846	851	846	851	846	80
180°	846	846	846	846	846	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4
2.5°	2461.1	2461.1	2475.0	2479.6	2479.6	2472.7	2465.8	2472.7	2493.5	2500.4	2498.0
5°	2451.9	2470.4	2495.8	2500.4	2505.0	2502.7	2498.0	2502.7	2525.8	2530.4	2532.7
7.5°	2433.5	2468.0	2500.4	2507.3	2514.2	2507.3	2505.0	2509.6	2532.7	2537.3	2537.3
10°	2410.4	2458.8	2495.8	2500.4	2507.3	2500.4	2500.4	2509.6	2532.7	2537.3	2539.6
12.5°	2378.1	2445.0	2479.6	2484.2	2493.5	2491.1	2488.9	2498.0	2521.1	2525.8	2525.8
15°	2341.1	2419.5	2451.9	2456.6	2472.7	2468.0	2468.0	2477.3	2502.7	2509.6	2507.3
17.5°	2290.3	2387.3	2424.2	2431.1	2442.6	2440.4	2442.6	2451.9	2475.0	2479.6	2481.9
20°	2232.6	2343.4	2387.3	2394.2	2405.7	2405.7	2405.7	2417.3	2440.4	2449.6	2449.6
22.5°	2154.1	2297.2	2343.4	2348.0	2361.9	2361.9	2366.5	2382.6	2403.4	2405.7	2405.7
25°	2061.7	2246.4	2285.6	2299.6	2313.4	2320.3	2327.2	2336.5	2343.4	2341.1	2343.4
27.5°	1964.7	2181.8	2232.6	2241.8	2260.3	2267.2	2276.5	2278.7	2281.1	2288.0	2283.4
30°	1856.2	2091.7	2167.9	2177.1	2207.1	2211.8	2202.6	2207.1	2218.7	2223.3	2228.0
32.5°	1733.9	1957.8	2101.0	2121.7	2149.5	2135.6	2133.3	2140.2	2158.7	2158.7	2163.3
35°	1567.7	1853.9	2038.7	2057.1	2077.9	2061.7	2071.0	2073.2	2084.8	2091.7	2089.4
37.5°	1385.3	1763.9	1974.0	1987.8	2004.0	1983.2	1997.1	2004.0	2013.2	2008.7	2008.7
40°	1223.6	1623.1	1897.8	1907.1	1920.9	1904.7	1918.6	1923.2	1927.8	1923.2	1920.9
42.5°	1103.6	1468.3	1817.0	1828.6	1819.3	1830.8	1835.5	1844.7	1837.7	1828.6	1828.6
45°	1011.2	1426.9	1729.2	1743.1	1729.2	1747.8	1754.7	1754.7	1733.9	1729.2	1726.9
47.5°	981.2	1343.7	1641.5	1641.5	1634.6	1657.7	1669.3	1653.1	1632.3	1625.3	1625.3
50°	979.0	1251.4	1521.5	1512.3	1544.6	1572.3	1560.8	1544.6	1528.4	1503.0	1503.0
52.5°	888.9	1138.2	1366.8	1401.4	1452.2	1468.3	1449.9	1433.8	1406.0	1394.5	1385.3
55°	824.2	1020.4	1225.9	1295.2	1348.4	1369.1	1334.4	1318.3	1276.8	1269.9	1265.2
57.5°	810.4	849.6	1096.7	1184.4	1249.0	1246.7	1225.9	1195.9	1161.3	1154.4	1152.1
60°	743.4	614.1	958.1	1062.0	1129.0	1122.0	1103.6	1075.9	1043.5	1039.0	1034.3
62.5°	674.1	445.6	801.1	918.9	1013.5	1011.2	995.1	953.5	930.5	918.9	909.6
65°	572.6	374.0	570.3	764.2	900.4	905.0	870.4	840.4	815.0	801.1	798.8
67.5°	436.4	304.7	385.6	637.2	791.9	787.3	743.4	729.5	697.2	690.3	676.5
70°	323.2	203.2	267.8	517.1	685.7	674.1	639.6	623.4	593.4	577.2	568.0
72.5°	267.8	163.9	196.2	401.7	577.2	563.3	533.3	514.9	489.5	475.6	466.4
75°	217.0	173.2	150.1	297.8	468.6	459.5	431.7	413.2	392.5	374.0	376.3
77.5°	159.3	161.6	120.1	219.3	371.7	357.9	341.7	318.6	309.4	290.9	290.9
80°	120.1	127.0	90.1	150.1	267.8	267.8	254.0	237.8	221.7	212.4	212.4
82.5°	80.8	80.8	66.9	94.7	182.4	175.5	166.2	161.6	152.4	147.7	147.7
85°	36.9	46.2	41.6	57.8	99.2	103.9	103.9	99.2	97.0	92.3	94.7
87.5°	11.6	20.7	25.4	32.3	50.8	53.1	55.4	55.4	55.4	57.8	57.8
90°	5.6	10.2	14.7	15.9	25.0	37.1	43.1	38.3	28.7	21.6	21.6
92.5°	22.7	61.3	99.9	109.5	154.0	213.2	242.9	212.9	152.8	107.8	103.5
95°	54.5	125.1	195.8	213.4	379.0	599.6	710.0	633.6	480.7	366.0	353.0
97.5°	94.2	156.5	218.9	234.4	510.4	878.4	1062.5	1014.2	917.6	845.1	820.3
100°	124.9	181.4	237.9	252.0	558.2	966.6	1170.8	1174.3	1181.4	1186.7	1157.2
102.5°	151.0	203.8	256.4	269.6	580.3	994.4	1201.4	1263.0	1386.1	1478.4	1453.2
105°	195.2	239.9	284.5	295.7	596.5	997.6	1198.1	1336.1	1612.0	1818.9	1805.4
107.5°	240.6	282.3	323.9	334.3	599.5	953.1	1130.0	1322.4	1707.3	1996.0	1999.3
110°	271.3	308.8	346.5	355.8	595.0	913.8	1073.2	1288.3	1718.7	2041.4	2055.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	301.4	337.2	373.0	382.0	595.2	879.4	1021.5	1241.7	1682.2	2012.5	2034.1
115°	346.8	379.8	412.8	421.1	600.6	840.0	959.7	1171.8	1596.1	1914.3	1944.4
117.5°	391.6	421.6	451.6	459.1	611.7	815.3	917.1	1108.6	1491.4	1778.6	1812.0
120°	417.7	446.0	474.2	481.3	620.9	807.0	900.1	1075.0	1424.9	1687.3	1719.7
122.5°	443.3	471.7	500.3	507.4	633.9	802.7	887.1	1044.6	1359.6	1595.9	1627.9
125°	482.4	508.4	534.4	540.9	651.6	799.1	872.9	1006.7	1274.3	1475.1	1504.5
127.5°	514.2	540.4	566.7	573.3	669.1	797.0	861.0	975.9	1205.6	1378.0	1402.8
130°	531.2	559.5	587.7	594.8	682.0	798.3	856.4	958.7	1163.2	1316.7	1339.6
132.5°	548.8	577.1	605.3	612.4	692.4	799.1	852.4	944.0	1127.1	1264.5	1285.0
135°	574.9	600.6	626.4	632.8	703.8	798.3	845.6	922.3	1075.6	1190.7	1208.5
137.5°	601.5	627.0	652.6	658.9	720.8	803.3	844.5	909.4	1039.0	1136.2	1150.7
140°	623.7	647.2	670.7	676.5	731.2	804.0	840.5	896.5	1008.5	1092.5	1106.0
142.5°	640.7	662.5	684.1	689.6	739.9	806.9	840.5	889.7	988.0	1061.8	1073.5
145°	666.9	685.8	704.7	709.4	751.3	807.0	834.9	875.1	955.6	1015.9	1024.7
147.5°	693.0	711.3	729.7	734.3	767.8	812.5	834.9	866.5	929.8	977.3	984.6
150°	710.0	726.6	743.3	747.4	776.6	815.4	834.9	861.6	915.0	955.1	961.0
152.5°	727.6	740.3	752.8	756.0	782.3	817.3	834.9	857.7	903.4	937.6	942.0
155°	753.7	763.0	772.3	774.6	794.7	821.5	834.9	853.1	889.4	916.6	919.6
157.5°	773.0	782.1	791.1	793.4	807.2	825.7	834.9	849.0	877.3	898.4	900.5
160°	786.0	793.1	800.2	801.9	812.9	827.6	834.9	847.0	871.2	889.4	890.5
162.5°	799.1	804.4	809.7	811.0	818.9	829.6	834.9	845.1	865.5	880.8	881.9
165°	813.3	818.0	822.9	824.0	827.7	832.5	834.9	842.1	856.8	867.8	869.0
167.5°	826.3	828.6	830.9	831.4	834.4	838.5	840.5	845.3	854.9	862.1	862.6
170°	834.9	837.1	839.4	840.0	840.1	840.4	840.5	845.3	854.9	862.1	862.1
172.5°	839.4	839.9	840.4	840.5	840.5	840.5	840.5	844.3	851.9	857.5	857.1
175°	845.6	845.6	845.6	845.6	843.9	841.6	840.5	842.9	847.7	851.3	851.3
177.5°	845.6	845.6	845.6	845.6	844.3	842.6	841.7	843.6	847.3	850.1	849.6
180°	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4
2.5°	2502.7	2495.8	2502.7	2498.0	2500.4	2493.5	2472.7	2465.8	2472.7	2479.6	2479.6
5°	2532.7	2528.1	2532.7	2532.7	2530.4	2525.8	2502.7	2498.0	2502.7	2505.0	2500.4
7.5°	2542.0	2535.1	2542.0	2537.3	2537.3	2532.7	2509.6	2505.0	2507.3	2514.2	2507.3
10°	2542.0	2535.1	2542.0	2539.6	2537.3	2532.7	2509.6	2500.4	2500.4	2507.3	2500.4
12.5°	2530.4	2525.8	2530.4	2525.8	2525.8	2521.1	2498.0	2488.9	2491.1	2493.5	2484.2
15°	2512.0	2505.0	2512.0	2507.3	2509.6	2502.7	2477.3	2468.0	2468.0	2472.7	2456.6
17.5°	2484.2	2475.0	2484.2	2481.9	2479.6	2475.0	2451.9	2442.6	2440.4	2442.6	2431.1
20°	2451.9	2445.0	2451.9	2449.6	2449.6	2440.4	2417.3	2405.7	2405.7	2405.7	2394.2
22.5°	2401.1	2394.2	2401.1	2405.7	2405.7	2403.4	2382.6	2366.5	2361.9	2361.9	2348.0
25°	2343.4	2336.5	2343.4	2343.4	2341.1	2343.4	2336.5	2327.2	2320.3	2313.4	2299.6
27.5°	2288.0	2283.4	2288.0	2283.4	2288.0	2281.1	2278.7	2276.5	2267.2	2260.3	2241.8
30°	2232.6	2228.0	2232.6	2228.0	2223.3	2218.7	2207.1	2202.6	2211.8	2207.1	2177.1
32.5°	2163.3	2158.7	2163.3	2163.3	2158.7	2158.7	2140.2	2133.3	2135.6	2149.5	2121.7
35°	2091.7	2084.8	2091.7	2089.4	2091.7	2084.8	2073.2	2071.0	2061.7	2077.9	2057.1
37.5°	2008.7	2001.7	2008.7	2008.7	2008.7	2013.2	2004.0	1997.1	1983.2	2004.0	1987.8
40°	1923.2	1914.0	1923.2	1920.9	1923.2	1927.8	1923.2	1918.6	1904.7	1920.9	1907.1
42.5°	1826.3	1823.9	1826.3	1828.6	1828.6	1837.7	1844.7	1835.5	1830.8	1819.3	1828.6
45°	1722.3	1717.8	1722.3	1726.9	1729.2	1733.9	1754.7	1754.7	1747.8	1729.2	1743.1
47.5°	1611.5	1600.0	1611.5	1625.3	1625.3	1632.3	1653.1	1669.3	1657.7	1634.6	1641.5
50°	1493.8	1496.1	1493.8	1503.0	1503.0	1528.4	1544.6	1560.8	1572.3	1544.6	1512.3
52.5°	1378.4	1376.0	1378.4	1385.3	1394.5	1406.0	1433.8	1449.9	1468.3	1452.2	1401.4
55°	1262.8	1267.5	1262.8	1265.2	1269.9	1276.8	1318.3	1334.4	1369.1	1348.4	1295.2
57.5°	1147.4	1140.5	1147.4	1152.1	1154.4	1161.3	1195.9	1225.9	1246.7	1249.0	1184.4
60°	1013.5	1004.3	1013.5	1034.3	1039.0	1043.5	1075.9	1103.6	1122.0	1129.0	1062.0
62.5°	895.8	879.6	895.8	909.6	918.9	930.5	953.5	995.1	1011.2	1013.5	918.9
65°	771.1	764.2	771.1	798.8	801.1	815.0	840.4	870.4	905.0	900.4	764.2
67.5°	658.0	658.0	658.0	676.5	690.3	697.2	729.5	743.4	787.3	791.9	637.2
70°	554.1	551.8	554.1	568.0	577.2	593.4	623.4	639.6	674.1	685.7	517.1
72.5°	454.8	452.5	454.8	466.4	475.6	489.5	514.9	533.3	563.3	577.2	401.7
75°	367.1	362.5	367.1	376.3	374.0	392.5	413.2	431.7	459.5	468.6	297.8
77.5°	281.7	281.7	281.7	290.9	290.9	309.4	318.6	341.7	357.9	371.7	219.3
80°	210.1	207.8	210.1	212.4	212.4	221.7	237.8	254.0	267.8	267.8	150.1
82.5°	147.7	143.2	147.7	147.7	147.7	152.4	161.6	166.2	175.5	182.4	94.7
85°	92.3	92.3	92.3	94.7	92.3	97.0	99.2	103.9	103.9	99.2	57.8
87.5°	60.0	57.8	60.0	57.8	57.8	55.4	55.4	55.4	53.1	50.8	32.3
90°	21.6	21.6	21.6	21.6	21.6	28.7	38.3	43.1	37.1	25.0	15.9
92.5°	86.3	69.2	86.3	103.5	107.8	152.8	212.9	242.9	213.2	154.0	109.5
95°	301.1	249.1	301.1	353.0	366.0	480.7	633.6	710.0	599.6	379.0	213.4
97.5°	721.4	622.6	721.4	820.3	845.1	917.6	1014.2	1062.5	878.4	510.4	234.4
100°	1039.4	921.6	1039.4	1157.2	1186.7	1181.4	1174.3	1170.8	966.6	558.2	252.0
102.5°	1352.3	1251.4	1352.3	1453.2	1478.4	1386.1	1263.0	1201.4	994.4	580.3	269.6
105°	1751.1	1696.9	1751.1	1805.4	1818.9	1612.0	1336.1	1198.1	997.6	596.5	295.7
107.5°	2012.5	2025.6	2012.5	1999.3	1996.0	1707.3	1322.4	1130.0	953.1	599.5	334.3
110°	2112.1	2168.6	2112.1	2055.5	2041.4	1718.7	1288.3	1073.2	913.8	595.0	355.8



TEST NUMBER: P935340

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2120.9	2207.7	2120.9	2034.1	2012.5	1682.2	1241.7	1021.5	879.4	595.2	382.0
115°	2064.7	2185.0	2064.7	1944.4	1914.3	1596.1	1171.8	959.7	840.0	600.6	421.1
117.5°	1945.4	2078.9	1945.4	1812.0	1778.6	1491.4	1108.6	917.1	815.3	611.7	459.1
120°	1849.4	1979.0	1849.4	1719.7	1687.3	1424.9	1075.0	900.1	807.0	620.9	481.3
122.5°	1755.8	1883.7	1755.8	1627.9	1595.9	1359.6	1044.6	887.1	802.7	633.9	507.4
125°	1622.2	1740.0	1622.2	1504.5	1475.1	1274.3	1006.7	872.9	799.1	651.6	540.9
127.5°	1502.3	1601.6	1502.3	1402.8	1378.0	1205.6	975.9	861.0	797.0	669.1	573.3
130°	1431.5	1523.3	1431.5	1339.6	1316.7	1163.2	958.7	856.4	798.3	682.0	594.8
132.5°	1367.3	1449.5	1367.3	1285.0	1264.5	1127.1	944.0	852.4	799.1	692.4	612.4
135°	1279.3	1350.2	1279.3	1208.5	1190.7	1075.6	922.3	845.6	798.3	703.8	632.8
137.5°	1208.7	1266.8	1208.7	1150.7	1136.2	1039.0	909.4	844.5	803.3	720.8	658.9
140°	1160.3	1214.5	1160.3	1106.0	1092.5	1008.5	896.5	840.5	804.0	731.2	676.5
142.5°	1120.2	1166.9	1120.2	1073.5	1061.8	988.0	889.7	840.5	806.9	739.9	689.6
145°	1060.1	1095.4	1060.1	1024.7	1015.9	955.6	875.1	834.9	807.0	751.3	709.4
147.5°	1013.9	1043.2	1013.9	984.6	977.3	929.8	866.5	834.9	812.5	767.8	734.3
150°	984.8	1008.5	984.8	961.0	955.1	915.0	861.6	834.9	815.4	776.6	747.4
152.5°	959.9	977.9	959.9	942.0	937.6	903.4	857.7	834.9	817.3	782.3	756.0
155°	931.4	943.2	931.4	919.6	916.6	889.4	853.1	834.9	821.5	794.7	774.6
157.5°	908.8	917.1	908.8	900.5	898.4	877.3	849.0	834.9	825.7	807.2	793.4
160°	895.4	900.1	895.4	890.5	889.4	871.2	847.0	834.9	827.6	812.9	801.9
162.5°	886.4	891.0	886.4	881.9	880.8	865.5	845.1	834.9	829.6	818.9	811.0
165°	873.8	878.5	873.8	869.0	867.8	856.8	842.1	834.9	832.5	827.7	824.0
167.5°	864.6	866.6	864.6	862.6	862.1	854.9	845.3	840.5	838.5	834.4	831.4
170°	862.1	862.1	862.1	862.1	862.1	854.9	845.3	840.5	840.4	840.1	840.0
172.5°	855.3	853.6	855.3	857.1	857.5	851.9	844.3	840.5	840.5	840.5	840.5
175°	851.3	851.3	851.3	851.3	851.3	847.7	842.9	840.5	841.6	843.9	845.6
177.5°	847.6	845.6	847.6	849.6	850.1	847.3	843.6	841.7	842.6	844.3	845.6
180°	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6



TEST NUMBER: P935340

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4
2.5°	2475.0	2461.1	2461.1	2438.1	2428.8	2421.9	2410.4	2375.7	2366.5	2357.2	2371.1
5°	2495.8	2470.4	2451.9	2410.4	2375.7	2361.9	2318.0	2234.9	2179.5	2137.9	2114.8
7.5°	2500.4	2468.0	2433.5	2368.8	2285.6	2248.7	2114.8	1962.5	1920.9	1883.9	1860.8
10°	2495.8	2458.8	2410.4	2313.4	2117.2	2052.5	1918.6	1819.3	1793.9	1787.0	1793.9
12.5°	2479.6	2445.0	2378.1	2216.4	1941.7	1897.8	1819.3	1761.6	1757.0	1768.5	1830.8
15°	2451.9	2419.5	2341.1	2087.2	1844.7	1812.4	1757.0	1736.2	1761.6	1842.4	2029.4
17.5°	2424.2	2387.3	2290.3	1960.2	1770.8	1747.8	1708.5	1750.1	1893.2	2001.7	2064.1
20°	2387.3	2343.4	2232.6	1867.8	1717.8	1696.9	1678.5	1865.5	1974.0	2013.2	2047.9
22.5°	2343.4	2297.2	2154.1	1803.2	1662.3	1646.2	1657.7	1930.2	1974.0	2001.7	2031.7
25°	2285.6	2246.4	2061.7	1752.3	1618.4	1600.0	1643.8	1923.2	1948.6	1955.5	2015.6
27.5°	2232.6	2181.8	1964.7	1706.2	1565.3	1558.4	1655.4	1893.2	1911.7	1918.6	1983.2
30°	2167.9	2091.7	1856.2	1657.7	1509.9	1507.6	1657.7	1856.2	1851.7	1870.1	1934.7
32.5°	2101.0	1957.8	1733.9	1597.7	1456.9	1454.5	1641.5	1800.8	1796.3	1821.6	1870.1
35°	2038.7	1853.9	1567.7	1528.4	1389.8	1392.2	1602.3	1736.2	1738.5	1761.6	1791.6
37.5°	1974.0	1763.9	1385.3	1452.2	1325.3	1325.3	1549.2	1676.2	1671.5	1678.5	1720.0
40°	1897.8	1623.1	1223.6	1352.9	1265.2	1258.3	1484.5	1611.5	1595.3	1593.0	1650.8
42.5°	1817.0	1468.3	1103.6	1221.4	1195.9	1186.7	1406.0	1533.0	1503.0	1509.9	1583.8
45°	1729.2	1426.9	1011.2	1032.0	1124.4	1117.4	1320.6	1443.0	1422.2	1440.7	1516.8
47.5°	1641.5	1343.7	981.2	856.5	1048.2	1045.9	1225.9	1355.3	1343.7	1362.2	1443.0
50°	1521.5	1251.4	979.0	734.2	962.8	971.9	1112.8	1269.9	1269.9	1286.0	1371.4
52.5°	1366.8	1138.2	888.9	664.9	863.5	891.2	1013.5	1195.9	1200.5	1216.7	1292.9
55°	1225.9	1020.4	824.2	611.8	745.7	805.8	916.6	1119.8	1129.0	1145.1	1214.4
57.5°	1096.7	849.6	810.4	549.5	637.2	695.0	831.1	1045.9	1050.4	1064.4	1131.3
60°	958.1	614.1	743.4	482.6	542.6	586.4	752.6	958.1	974.3	983.5	1041.3
62.5°	801.1	445.6	674.1	436.4	496.4	505.6	688.0	875.0	895.8	902.7	937.4
65°	570.3	374.0	572.6	397.1	447.9	450.2	618.7	789.6	808.0	819.6	845.1
67.5°	385.6	304.7	436.4	360.1	411.0	413.2	551.8	690.3	715.7	725.0	741.1
70°	267.8	203.2	323.2	320.9	369.4	374.0	480.2	600.3	623.4	630.3	639.6
72.5°	196.2	163.9	267.8	288.6	325.6	330.2	406.3	498.7	521.8	528.7	533.3
75°	150.1	173.2	217.0	251.7	277.1	279.3	332.5	406.3	422.5	427.2	429.4
77.5°	120.1	161.6	159.3	203.2	226.2	221.7	260.9	314.0	327.8	327.8	327.8
80°	90.1	127.0	120.1	145.5	166.2	161.6	187.0	224.0	228.6	233.1	230.9
82.5°	66.9	80.8	80.8	92.3	110.8	106.2	124.7	145.5	145.5	145.5	150.1
85°	41.6	46.2	36.9	48.5	62.3	60.0	69.2	78.5	80.8	80.8	76.2
87.5°	25.4	20.7	11.6	18.5	27.7	27.7	32.3	34.7	32.3	32.3	32.3
90°	14.7	10.2	5.6	10.2	14.7	15.9	25.0	37.1	43.1	38.3	28.7
92.5°	99.9	61.3	22.7	61.3	99.9	109.5	154.0	213.2	242.9	212.9	152.8
95°	195.8	125.1	54.5	125.1	195.8	213.4	379.0	599.6	710.0	633.6	480.7
97.5°	218.9	156.5	94.2	156.5	218.9	234.4	510.4	878.4	1062.5	1014.2	917.6
100°	237.9	181.4	124.9	181.4	237.9	252.0	558.2	966.6	1170.8	1174.3	1181.4
102.5°	256.4	203.8	151.0	203.8	256.4	269.6	580.3	994.4	1201.4	1263.0	1386.1
105°	284.5	239.9	195.2	239.9	284.5	295.7	596.5	997.6	1198.1	1336.1	1612.0
107.5°	323.9	282.3	240.6	282.3	323.9	334.3	599.5	953.1	1130.0	1322.4	1707.3
110°	346.5	308.8	271.3	308.8	346.5	355.8	595.0	913.8	1073.2	1288.3	1718.7



TEST NUMBER: P935340

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	373.0	337.2	301.4	337.2	373.0	382.0	595.2	879.4	1021.5	1241.7	1682.2
115°	412.8	379.8	346.8	379.8	412.8	421.1	600.6	840.0	959.7	1171.8	1596.1
117.5°	451.6	421.6	391.6	421.6	451.6	459.1	611.7	815.3	917.1	1108.6	1491.4
120°	474.2	446.0	417.7	446.0	474.2	481.3	620.9	807.0	900.1	1075.0	1424.9
122.5°	500.3	471.7	443.3	471.7	500.3	507.4	633.9	802.7	887.1	1044.6	1359.6
125°	534.4	508.4	482.4	508.4	534.4	540.9	651.6	799.1	872.9	1006.7	1274.3
127.5°	566.7	540.4	514.2	540.4	566.7	573.3	669.1	797.0	861.0	975.9	1205.6
130°	587.7	559.5	531.2	559.5	587.7	594.8	682.0	798.3	856.4	958.7	1163.2
132.5°	605.3	577.1	548.8	577.1	605.3	612.4	692.4	799.1	852.4	944.0	1127.1
135°	626.4	600.6	574.9	600.6	626.4	632.8	703.8	798.3	845.6	922.3	1075.6
137.5°	652.6	627.0	601.5	627.0	652.6	658.9	720.8	803.3	844.5	909.4	1039.0
140°	670.7	647.2	623.7	647.2	670.7	676.5	731.2	804.0	840.5	896.5	1008.5
142.5°	684.1	662.5	640.7	662.5	684.1	689.6	739.9	806.9	840.5	889.7	988.0
145°	704.7	685.8	666.9	685.8	704.7	709.4	751.3	807.0	834.9	875.1	955.6
147.5°	729.7	711.3	693.0	711.3	729.7	734.3	767.8	812.5	834.9	866.5	929.8
150°	743.3	726.6	710.0	726.6	743.3	747.4	776.6	815.4	834.9	861.6	915.0
152.5°	752.8	740.3	727.6	740.3	752.8	756.0	782.3	817.3	834.9	857.7	903.4
155°	772.3	763.0	753.7	763.0	772.3	774.6	794.7	821.5	834.9	853.1	889.4
157.5°	791.1	782.1	773.0	782.1	791.1	793.4	807.2	825.7	834.9	849.0	877.3
160°	800.2	793.1	786.0	793.1	800.2	801.9	812.9	827.6	834.9	847.0	871.2
162.5°	809.7	804.4	799.1	804.4	809.7	811.0	818.9	829.6	834.9	845.1	865.5
165°	822.9	818.0	813.3	818.0	822.9	824.0	827.7	832.5	834.9	842.1	856.8
167.5°	830.9	828.6	826.3	828.6	830.9	831.4	834.4	838.5	840.5	845.3	854.9
170°	839.4	837.1	834.9	837.1	839.4	840.0	840.1	840.4	840.5	845.3	854.9
172.5°	840.4	839.9	839.4	839.9	840.4	840.5	840.5	840.5	840.5	844.3	851.9
175°	845.6	845.6	845.6	845.6	845.6	845.6	843.9	841.6	840.5	842.9	847.7
177.5°	845.6	845.6	845.6	845.6	845.6	845.6	844.3	842.6	841.7	843.6	847.3
180°	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6



TEST NUMBER: P935340

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4	2440.4
2.5°	2355.0	2348.0	2357.2	2331.9	2357.2	2348.0	2355.0	2371.1	2357.2	2366.5	2375.7
5°	2066.3	2054.8	2017.8	1987.8	2017.8	2054.8	2066.3	2114.8	2137.9	2179.5	2234.9
7.5°	1847.0	1837.7	1828.6	1810.1	1828.6	1837.7	1847.0	1860.8	1883.9	1920.9	1962.5
10°	1798.5	1800.8	1814.7	1812.4	1814.7	1800.8	1798.5	1793.9	1787.0	1793.9	1819.3
12.5°	1923.2	1944.0	2020.2	2015.6	2020.2	1944.0	1923.2	1830.8	1768.5	1757.0	1761.6
15°	2066.3	2073.2	2089.4	2091.7	2089.4	2073.2	2066.3	2029.4	1842.4	1761.6	1736.2
17.5°	2080.2	2082.5	2094.1	2094.1	2094.1	2082.5	2080.2	2064.1	2001.7	1893.2	1750.1
20°	2068.7	2073.2	2096.3	2101.0	2096.3	2073.2	2068.7	2047.9	2013.2	1974.0	1865.5
22.5°	2064.1	2073.2	2091.7	2089.4	2091.7	2073.2	2064.1	2031.7	2001.7	1974.0	1930.2
25°	2041.0	2041.0	2043.2	2045.6	2043.2	2041.0	2041.0	2015.6	1955.5	1948.6	1923.2
27.5°	1992.5	1997.1	2010.9	2008.7	2010.9	1997.1	1992.5	1983.2	1918.6	1911.7	1893.2
30°	1948.6	1944.0	1932.4	1923.2	1932.4	1944.0	1948.6	1934.7	1870.1	1851.7	1856.2
32.5°	1874.8	1863.2	1851.7	1844.7	1851.7	1863.2	1874.8	1870.1	1821.6	1796.3	1800.8
35°	1787.0	1789.3	1787.0	1780.1	1787.0	1789.3	1787.0	1791.6	1761.6	1738.5	1736.2
37.5°	1724.7	1729.2	1726.9	1717.8	1726.9	1729.2	1724.7	1720.0	1678.5	1671.5	1676.2
40°	1660.0	1662.3	1660.0	1653.1	1660.0	1662.3	1660.0	1650.8	1593.0	1595.3	1611.5
42.5°	1597.7	1595.3	1588.4	1583.8	1588.4	1595.3	1597.7	1583.8	1509.9	1503.0	1533.0
45°	1526.1	1528.4	1514.5	1507.6	1514.5	1528.4	1526.1	1516.8	1440.7	1422.2	1443.0
47.5°	1454.5	1454.5	1443.0	1436.0	1443.0	1454.5	1454.5	1443.0	1362.2	1343.7	1355.3
50°	1378.4	1376.0	1359.9	1357.5	1359.9	1376.0	1378.4	1371.4	1286.0	1269.9	1269.9
52.5°	1290.6	1290.6	1292.9	1297.5	1292.9	1290.6	1290.6	1292.9	1216.7	1200.5	1195.9
55°	1214.4	1216.7	1232.9	1237.5	1232.9	1216.7	1214.4	1214.4	1145.1	1129.0	1119.8
57.5°	1136.0	1136.0	1147.4	1147.4	1147.4	1136.0	1136.0	1131.3	1064.4	1050.4	1045.9
60°	1045.9	1050.4	1059.7	1057.5	1059.7	1050.4	1045.9	1041.3	983.5	974.3	958.1
62.5°	951.2	955.8	958.1	953.5	958.1	955.8	951.2	937.4	902.7	895.8	875.0
65°	852.0	856.5	858.9	854.2	858.9	856.5	852.0	845.1	819.6	808.0	789.6
67.5°	750.4	748.0	745.7	755.0	745.7	748.0	750.4	741.1	725.0	715.7	690.3
70°	646.5	646.5	644.1	648.8	644.1	646.5	646.5	639.6	630.3	623.4	600.3
72.5°	535.6	533.3	542.6	535.6	542.6	533.3	535.6	533.3	528.7	521.8	498.7
75°	427.2	431.7	427.2	434.1	427.2	431.7	427.2	429.4	427.2	422.5	406.3
77.5°	325.6	330.2	325.6	325.6	325.6	330.2	325.6	327.8	327.8	327.8	314.0
80°	230.9	228.6	228.6	226.2	228.6	228.6	230.9	230.9	233.1	228.6	224.0
82.5°	147.7	145.5	145.5	150.1	145.5	145.5	147.7	150.1	145.5	145.5	145.5
85°	80.8	83.1	78.5	78.5	78.5	83.1	80.8	76.2	80.8	80.8	78.5
87.5°	30.0	27.7	27.7	27.7	27.7	27.7	30.0	32.3	32.3	32.3	34.7
90°	21.6	21.6	21.6	21.6	21.6	21.6	21.6	28.7	38.3	43.1	37.1
92.5°	107.8	103.5	86.3	69.2	86.3	103.5	107.8	152.8	212.9	242.9	213.2
95°	366.0	353.0	301.1	249.1	301.1	353.0	366.0	480.7	633.6	710.0	599.6
97.5°	845.1	820.3	721.4	622.6	721.4	820.3	845.1	917.6	1014.2	1062.5	878.4
100°	1186.7	1157.2	1039.4	921.6	1039.4	1157.2	1186.7	1181.4	1174.3	1170.8	966.6
102.5°	1478.4	1453.2	1352.3	1251.4	1352.3	1453.2	1478.4	1386.1	1263.0	1201.4	994.4
105°	1818.9	1805.4	1751.1	1696.9	1751.1	1805.4	1818.9	1612.0	1336.1	1198.1	997.6
107.5°	1996.0	1999.3	2012.5	2025.6	2012.5	1999.3	1996.0	1707.3	1322.4	1130.0	953.1
110°	2041.4	2055.5	2112.1	2168.6	2112.1	2055.5	2041.4	1718.7	1288.3	1073.2	913.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2012.5	2034.1	2120.9	2207.7	2120.9	2034.1	2012.5	1682.2	1241.7	1021.5	879.4
115°	1914.3	1944.4	2064.7	2185.0	2064.7	1944.4	1914.3	1596.1	1171.8	959.7	840.0
117.5°	1778.6	1812.0	1945.4	2078.9	1945.4	1812.0	1778.6	1491.4	1108.6	917.1	815.3
120°	1687.3	1719.7	1849.4	1979.0	1849.4	1719.7	1687.3	1424.9	1075.0	900.1	807.0
122.5°	1595.9	1627.9	1755.8	1883.7	1755.8	1627.9	1595.9	1359.6	1044.6	887.1	802.7
125°	1475.1	1504.5	1622.2	1740.0	1622.2	1504.5	1475.1	1274.3	1006.7	872.9	799.1
127.5°	1378.0	1402.8	1502.3	1601.6	1502.3	1402.8	1378.0	1205.6	975.9	861.0	797.0
130°	1316.7	1339.6	1431.5	1523.3	1431.5	1339.6	1316.7	1163.2	958.7	856.4	798.3
132.5°	1264.5	1285.0	1367.3	1449.5	1367.3	1285.0	1264.5	1127.1	944.0	852.4	799.1
135°	1190.7	1208.5	1279.3	1350.2	1279.3	1208.5	1190.7	1075.6	922.3	845.6	798.3
137.5°	1136.2	1150.7	1208.7	1266.8	1208.7	1150.7	1136.2	1039.0	909.4	844.5	803.3
140°	1092.5	1106.0	1160.3	1214.5	1160.3	1106.0	1092.5	1008.5	896.5	840.5	804.0
142.5°	1061.8	1073.5	1120.2	1166.9	1120.2	1073.5	1061.8	988.0	889.7	840.5	806.9
145°	1015.9	1024.7	1060.1	1095.4	1060.1	1024.7	1015.9	955.6	875.1	834.9	807.0
147.5°	977.3	984.6	1013.9	1043.2	1013.9	984.6	977.3	929.8	866.5	834.9	812.5
150°	955.1	961.0	984.8	1008.5	984.8	961.0	955.1	915.0	861.6	834.9	815.4
152.5°	937.6	942.0	959.9	977.9	959.9	942.0	937.6	903.4	857.7	834.9	817.3
155°	916.6	919.6	931.4	943.2	931.4	919.6	916.6	889.4	853.1	834.9	821.5
157.5°	898.4	900.5	908.8	917.1	908.8	900.5	898.4	877.3	849.0	834.9	825.7
160°	889.4	890.5	895.4	900.1	895.4	890.5	889.4	871.2	847.0	834.9	827.6
162.5°	880.8	881.9	886.4	891.0	886.4	881.9	880.8	865.5	845.1	834.9	829.6
165°	867.8	869.0	873.8	878.5	873.8	869.0	867.8	856.8	842.1	834.9	832.5
167.5°	862.1	862.6	864.6	866.6	864.6	862.6	862.1	854.9	845.3	840.5	838.5
170°	862.1	862.1	862.1	862.1	862.1	862.1	862.1	854.9	845.3	840.5	840.4
172.5°	857.5	857.1	855.3	853.6	855.3	857.1	857.5	851.9	844.3	840.5	840.5
175°	851.3	851.3	851.3	851.3	851.3	851.3	851.3	847.7	842.9	840.5	841.6
177.5°	850.1	849.6	847.6	845.6	847.6	849.6	850.1	847.3	843.6	841.7	842.6
180°	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6	845.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2440.4	2440.4	2440.4	2440.4	2440.4
2.5°	2410.4	2421.9	2428.8	2438.1	2461.1
5°	2318.0	2361.9	2375.7	2410.4	2451.9
7.5°	2114.8	2248.7	2285.6	2368.8	2433.5
10°	1918.6	2052.5	2117.2	2313.4	2410.4
12.5°	1819.3	1897.8	1941.7	2216.4	2378.1
15°	1757.0	1812.4	1844.7	2087.2	2341.1
17.5°	1708.5	1747.8	1770.8	1960.2	2290.3
20°	1678.5	1696.9	1717.8	1867.8	2232.6
22.5°	1657.7	1646.2	1662.3	1803.2	2154.1
25°	1643.8	1600.0	1618.4	1752.3	2061.7
27.5°	1655.4	1558.4	1565.3	1706.2	1964.7
30°	1657.7	1507.6	1509.9	1657.7	1856.2
32.5°	1641.5	1454.5	1456.9	1597.7	1733.9
35°	1602.3	1392.2	1389.8	1528.4	1567.7
37.5°	1549.2	1325.3	1325.3	1452.2	1385.3
40°	1484.5	1258.3	1265.2	1352.9	1223.6
42.5°	1406.0	1186.7	1195.9	1221.4	1103.6
45°	1320.6	1117.4	1124.4	1032.0	1011.2
47.5°	1225.9	1045.9	1048.2	856.5	981.2
50°	1112.8	971.9	962.8	734.2	979.0
52.5°	1013.5	891.2	863.5	664.9	888.9
55°	916.6	805.8	745.7	611.8	824.2
57.5°	831.1	695.0	637.2	549.5	810.4
60°	752.6	586.4	542.6	482.6	743.4
62.5°	688.0	505.6	496.4	436.4	674.1
65°	618.7	450.2	447.9	397.1	572.6
67.5°	551.8	413.2	411.0	360.1	436.4
70°	480.2	374.0	369.4	320.9	323.2
72.5°	406.3	330.2	325.6	288.6	267.8
75°	332.5	279.3	277.1	251.7	217.0
77.5°	260.9	221.7	226.2	203.2	159.3
80°	187.0	161.6	166.2	145.5	120.1
82.5°	124.7	106.2	110.8	92.3	80.8
85°	69.2	60.0	62.3	48.5	36.9
87.5°	32.3	27.7	27.7	18.5	11.6
90°	25.0	15.9	14.7	10.2	5.6
92.5°	154.0	109.5	99.9	61.3	22.7
95°	379.0	213.4	195.8	125.1	54.5
97.5°	510.4	234.4	218.9	156.5	94.2
100°	558.2	252.0	237.9	181.4	124.9
102.5°	580.3	269.6	256.4	203.8	151.0
105°	596.5	295.7	284.5	239.9	195.2
107.5°	599.5	334.3	323.9	282.3	240.6
110°	595.0	355.8	346.5	308.8	271.3



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CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	595.2	382.0	373.0	337.2	301.4
115°	600.6	421.1	412.8	379.8	346.8
117.5°	611.7	459.1	451.6	421.6	391.6
120°	620.9	481.3	474.2	446.0	417.7
122.5°	633.9	507.4	500.3	471.7	443.3
125°	651.6	540.9	534.4	508.4	482.4
127.5°	669.1	573.3	566.7	540.4	514.2
130°	682.0	594.8	587.7	559.5	531.2
132.5°	692.4	612.4	605.3	577.1	548.8
135°	703.8	632.8	626.4	600.6	574.9
137.5°	720.8	658.9	652.6	627.0	601.5
140°	731.2	676.5	670.7	647.2	623.7
142.5°	739.9	689.6	684.1	662.5	640.7
145°	751.3	709.4	704.7	685.8	666.9
147.5°	767.8	734.3	729.7	711.3	693.0
150°	776.6	747.4	743.3	726.6	710.0
152.5°	782.3	756.0	752.8	740.3	727.6
155°	794.7	774.6	772.3	763.0	753.7
157.5°	807.2	793.4	791.1	782.1	773.0
160°	812.9	801.9	800.2	793.1	786.0
162.5°	818.9	811.0	809.7	804.4	799.1
165°	827.7	824.0	822.9	818.0	813.3
167.5°	834.4	831.4	830.9	828.6	826.3
170°	840.1	840.0	839.4	837.1	834.9
172.5°	840.5	840.5	840.4	839.9	839.4
175°	843.9	845.6	845.6	845.6	845.6
177.5°	844.3	845.6	845.6	845.6	845.6
180°	845.6	845.6	845.6	845.6	845.6



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.56	15.45	15.49	16.40	17.62	17.38	18.28	18.31	19.22	20.44
	3H	15.04	15.84	15.98	16.79	18.04	18.73	19.53	19.67	20.48	21.73
	4H	15.23	15.99	16.18	16.95	18.20	19.17	19.93	20.13	20.89	22.14
	6H	15.35	16.05	16.32	17.01	18.28	19.46	20.16	20.42	21.12	22.39
	8H	15.36	16.02	16.33	17.00	18.26	19.53	20.20	20.50	21.18	22.44
	12H	15.33	15.96	16.30	16.93	18.22	19.57	20.21	20.55	21.18	22.47
4H	2H	15.60	16.35	16.55	17.31	18.56	17.80	18.56	18.76	19.51	20.77
	3H	16.63	17.26	17.59	18.24	19.51	19.30	19.94	20.27	20.92	22.19
	4H	16.90	17.48	17.88	18.46	19.75	19.83	20.41	20.81	21.39	22.68
	6H	17.03	17.53	18.02	18.53	19.82	20.20	20.70	21.19	21.70	22.99
	8H	17.04	17.50	18.03	18.50	19.80	20.31	20.77	21.30	21.77	23.07
	12H	17.01	17.42	18.01	18.44	19.75	20.36	20.78	21.37	21.80	23.10
8H	4H	17.36	17.82	18.35	18.82	20.12	19.96	20.42	20.95	21.42	22.73
	6H	17.62	18.00	18.64	19.04	20.35	20.40	20.78	21.41	21.82	23.12
	8H	17.66	18.00	18.69	19.03	20.35	20.55	20.89	21.57	21.91	23.23
	12H	17.65	17.95	18.68	18.97	20.33	20.65	20.94	21.67	21.97	23.33
12H	4H	17.37	17.78	18.38	18.80	20.11	19.93	20.35	20.94	21.36	22.67
	6H	17.68	18.02	18.71	19.05	20.37	20.39	20.73	21.42	21.76	23.08
	8H	17.75	18.05	18.78	19.07	20.43	20.56	20.85	21.58	21.88	23.24