

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: P934353

Luminaire Tested: SQ4-FA-050U-075D-93050-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934353
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-93050-1D-UNV-STD-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

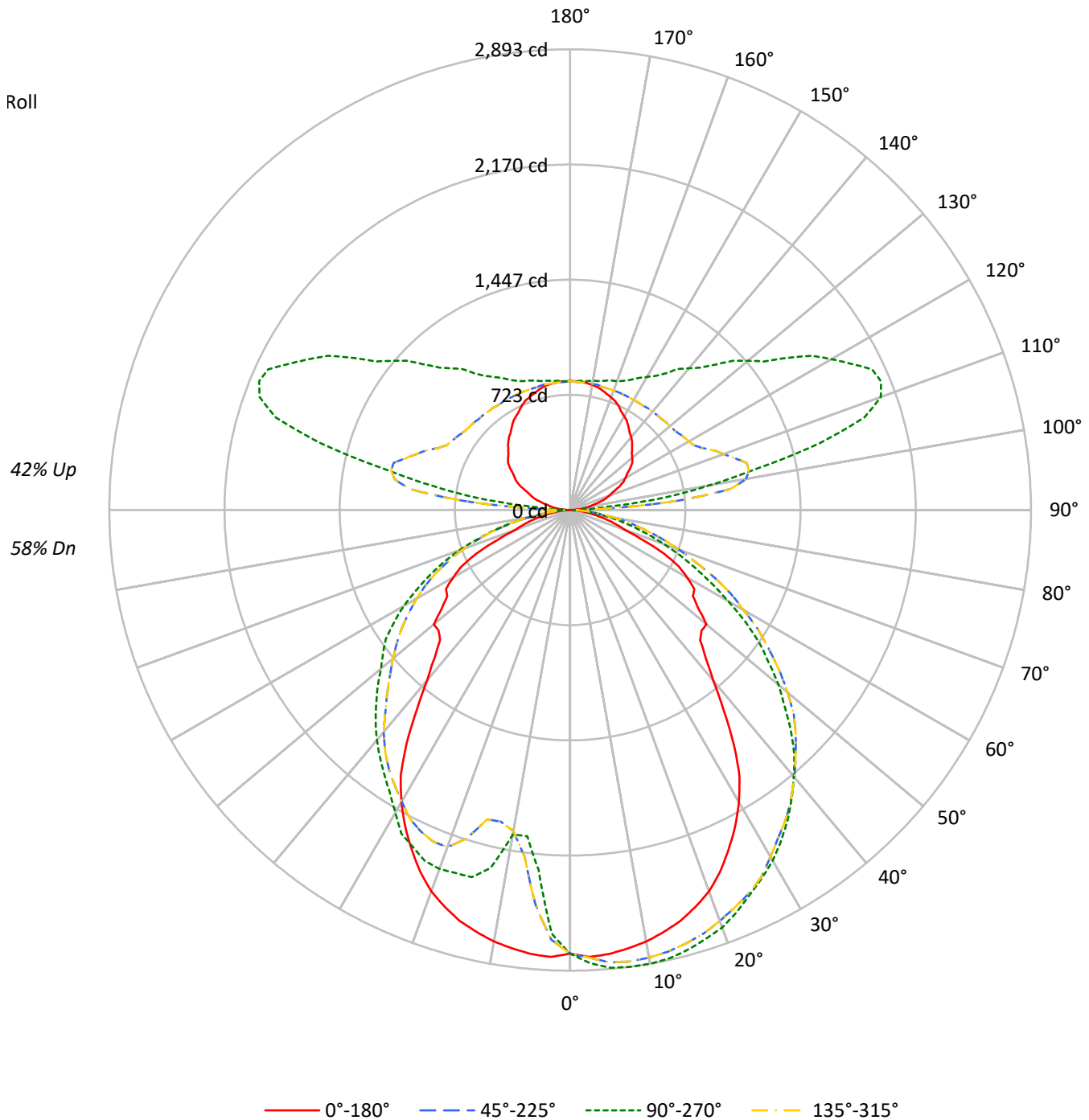
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12470.0 lumens
Efficiency: N/A
Efficacy: 114.2 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	0
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°	8615	8615	8615	8615
5°	8682	8696	8682	6838
10°	8627	8566	8627	6124
15°	8537	8381	8537	6998
20°	8362	8161	8362	7012
25°	8000	7840	8000	6864
30°	7530	7574	7530	6538
35°	6716	7237	6716	6179
40°	5600	6840	5600	5908
45°	5007	6377	5007	5597
50°	5323	5823	5323	5284
55°	5013	5227	5013	5103
60°	5174	4439	5174	4674
65°	4699	3670	4699	4102
70°	3261	2924	3261	3438
75°	2871	2162	2871	2589
80°	2330	1429	2330	1556
85°	1367	757	1367	644

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7668 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.4	2.0
10°-20°	713.8	5.7
20°-30°	1103.4	8.8
30°-40°	1317.2	10.6
40°-50°	1325.0	10.6
50°-60°	1152.9	9.2
60°-70°	817.4	6.6
70°-80°	432.5	3.5
80°-90°	110.8	0.9
90°-100°	394.4	3.2
100°-110°	1037.0	8.3
110°-120°	1075.3	8.6
120°-130°	862.5	6.9
130°-140°	676.7	5.4
140°-150°	519.4	4.2
150°-160°	374.1	3.0
160°-170°	228.9	1.8
170°-180°	77.3	0.6
0°-30°	2068.7	16.6
0°-40°	3385.9	27.2
0°-60°	5863.8	47.0
0°-90°	7224.4	57.9
90°-120°	2506.7	20.1
90°-150°	4565.3	36.6
90°-180°	5246.0	42.1
0°-180°	12470.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2785	2785	2785	2785	2785	
5°	2798	2885	2798	2269	2798	265
15°	2672	2859	2672	2387	2672	752
25°	2353	2667	2353	2335	2353	1080
35°	1789	2379	1789	2032	1789	1107
45°	1154	1960	1154	1721	1154	924
55°	941	1447	941	1412	941	864
65°	654	872	654	975	654	625
75°	248	414	248	495	248	260
85°	42	105	42	90	42	57
90°	5	21	5	21	5	6
95°	52	238	52	238	52	58
105°	187	1624	187	1624	187	198
115°	332	2091	332	2091	332	328
125°	462	1665	462	1665	462	410
135°	550	1292	550	1292	550	426
145°	638	1048	638	1048	638	400
155°	721	903	721	903	721	331
165°	778	841	778	841	778	220
175°	809	815	809	815	809	77
180°	809	809	809	809	809	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2
2.5°	2808.9	2808.9	2824.7	2830.0	2830.0	2822.1	2814.2	2822.1	2845.8	2853.7	2851.1
5°	2798.4	2819.4	2848.4	2853.7	2859.0	2856.3	2851.1	2856.3	2882.7	2887.9	2890.6
7.5°	2777.3	2816.8	2853.7	2861.6	2869.5	2861.6	2859.0	2864.2	2890.6	2895.8	2895.8
10°	2750.9	2806.3	2848.4	2853.7	2861.6	2853.7	2853.7	2864.2	2890.6	2895.8	2898.5
12.5°	2714.0	2790.5	2830.0	2835.2	2845.8	2843.1	2840.5	2851.1	2877.4	2882.7	2882.7
15°	2671.9	2761.5	2798.4	2803.6	2822.1	2816.8	2816.8	2827.3	2856.3	2864.2	2861.6
17.5°	2613.9	2724.6	2766.7	2774.6	2787.8	2785.2	2787.8	2798.4	2824.7	2830.0	2832.6
20°	2548.0	2674.5	2724.6	2732.5	2745.7	2745.7	2745.7	2758.8	2785.2	2795.7	2795.7
22.5°	2458.5	2621.8	2674.5	2679.8	2695.6	2695.6	2700.9	2719.3	2743.0	2745.7	2745.7
25°	2353.1	2563.8	2608.6	2624.5	2640.3	2648.2	2656.1	2666.6	2674.5	2671.9	2674.5
27.5°	2242.3	2490.1	2548.0	2558.6	2579.7	2587.6	2598.1	2600.7	2603.4	2611.3	2606.0
30°	2118.5	2387.3	2474.3	2484.8	2519.1	2524.3	2513.8	2519.1	2532.2	2537.5	2542.8
32.5°	1978.8	2234.4	2397.8	2421.6	2453.2	2437.4	2434.7	2442.6	2463.7	2463.7	2469.0
35°	1789.1	2115.8	2326.7	2347.8	2371.5	2353.1	2363.6	2366.2	2379.4	2387.3	2384.7
37.5°	1580.9	2013.1	2252.8	2268.7	2287.1	2263.4	2279.2	2287.1	2297.6	2292.4	2292.4
40°	1396.5	1852.3	2165.9	2176.4	2192.2	2173.8	2189.6	2194.9	2200.1	2194.9	2192.2
42.5°	1259.5	1675.8	2073.7	2086.8	2076.3	2089.5	2094.7	2105.3	2097.4	2086.8	2086.8
45°	1154.1	1628.4	1973.5	1989.4	1973.5	1994.6	2002.5	2002.5	1978.8	1973.5	1970.9
47.5°	1119.8	1533.5	1873.4	1873.4	1865.5	1891.9	1905.0	1886.6	1862.9	1855.0	1855.0
50°	1117.2	1428.1	1736.4	1725.9	1762.8	1794.4	1781.2	1762.8	1744.3	1715.3	1715.3
52.5°	1014.4	1299.0	1559.9	1599.4	1657.4	1675.8	1654.7	1636.3	1604.7	1591.5	1580.9
55°	940.7	1164.6	1399.1	1478.2	1538.8	1562.5	1523.0	1504.5	1457.1	1449.2	1443.9
57.5°	924.9	969.6	1251.6	1351.7	1425.5	1422.8	1399.1	1364.9	1325.4	1317.5	1314.8
60°	848.4	700.9	1093.5	1212.1	1288.5	1280.6	1259.5	1227.9	1191.0	1185.7	1180.4
62.5°	769.4	508.5	914.3	1048.7	1156.7	1154.1	1135.6	1088.2	1061.9	1048.7	1038.2
65°	653.5	426.9	650.8	872.2	1027.6	1032.9	993.4	959.1	930.1	914.3	911.7
67.5°	498.0	347.8	440.0	727.2	903.8	898.5	848.4	832.6	795.7	787.8	772.0
70°	368.9	231.9	305.6	590.2	782.6	769.4	729.9	711.4	677.2	658.7	648.2
72.5°	305.6	187.1	224.0	458.5	658.7	642.9	608.7	587.6	558.6	542.8	532.3
75°	247.7	197.6	171.3	339.9	534.9	524.3	492.7	471.6	447.9	426.9	429.5
77.5°	181.8	184.4	137.0	250.3	424.2	408.4	390.0	363.6	353.1	332.0	332.0
80°	137.0	144.9	102.8	171.3	305.6	305.6	289.8	271.4	253.0	242.4	242.4
82.5°	92.2	92.2	76.4	108.0	208.2	200.3	189.7	184.4	173.9	168.6	168.6
85°	42.2	52.7	47.4	65.9	113.3	118.6	118.6	113.3	110.7	105.4	108.0
87.5°	13.2	23.7	29.0	36.9	58.0	60.6	63.2	63.2	63.2	65.9	65.9
90°	5.4	9.7	14.1	15.2	23.9	35.5	41.3	36.7	27.5	20.6	20.6
92.5°	21.7	58.6	95.6	104.8	147.3	204.0	232.4	203.7	146.2	103.2	99.1
95°	52.2	119.7	187.3	204.2	362.6	573.8	679.4	606.2	460.0	350.3	337.8
97.5°	90.1	149.8	209.4	224.3	488.4	840.5	1016.6	970.4	877.9	808.7	785.0
100°	119.4	173.6	227.6	241.1	534.2	924.9	1120.4	1123.7	1130.5	1135.6	1107.4
102.5°	144.5	194.9	245.3	258.0	555.2	951.6	1149.7	1208.5	1326.3	1414.7	1390.5
105°	186.8	229.5	272.2	282.9	570.7	954.5	1146.4	1278.5	1542.5	1740.5	1727.5
107.5°	230.3	270.1	310.0	319.9	573.7	912.1	1081.3	1265.5	1633.8	1910.0	1913.2
110°	259.6	295.5	331.6	340.5	569.3	874.4	1027.0	1232.9	1644.6	1953.4	1967.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	288.3	322.6	356.9	365.5	569.5	841.5	977.5	1188.3	1609.7	1925.8	1946.5
115°	331.8	363.4	395.1	403.0	574.8	803.8	918.4	1121.3	1527.3	1831.8	1860.6
117.5°	374.7	403.4	432.1	439.3	585.4	780.2	877.6	1060.8	1427.2	1702.0	1733.9
120°	399.7	426.8	453.7	460.5	594.1	772.3	861.3	1028.8	1363.5	1614.6	1645.6
122.5°	424.1	451.4	478.7	485.5	606.6	768.1	848.8	999.5	1301.0	1527.1	1557.7
125°	461.6	486.5	511.3	517.6	623.5	764.6	835.3	963.3	1219.3	1411.4	1439.6
127.5°	492.0	517.1	542.3	548.5	640.3	762.6	823.8	933.8	1153.6	1318.6	1342.4
130°	508.4	535.4	562.4	569.1	652.6	763.9	819.5	917.4	1113.2	1259.9	1281.9
132.5°	525.1	552.2	579.2	586.0	662.6	764.6	815.7	903.3	1078.6	1209.9	1229.6
135°	550.2	574.8	599.4	605.5	673.4	763.9	809.2	882.6	1029.4	1139.4	1156.4
137.5°	575.6	600.1	624.5	630.5	689.7	768.7	808.1	870.1	994.2	1087.2	1101.1
140°	596.8	619.3	641.7	647.3	699.7	769.4	804.3	857.8	965.1	1045.4	1058.4
142.5°	613.1	633.9	654.7	659.9	708.0	772.2	804.3	851.3	945.5	1016.1	1027.3
145°	638.1	656.2	674.3	678.8	718.9	772.2	798.9	837.4	914.4	972.1	980.5
147.5°	663.1	680.7	698.3	702.7	734.8	777.6	798.9	829.2	889.8	935.2	942.2
150°	679.4	695.3	711.2	715.2	743.1	780.3	798.9	824.5	875.6	914.0	919.7
152.5°	696.2	708.3	720.4	723.4	748.6	782.1	798.9	820.8	864.4	897.2	901.5
155°	721.2	730.1	739.1	741.3	760.5	786.1	798.9	816.3	851.0	877.1	879.9
157.5°	739.7	748.4	757.0	759.2	772.5	790.1	798.9	812.4	839.4	859.7	861.7
160°	752.2	758.9	765.7	767.4	777.9	791.9	798.9	810.5	833.6	851.0	852.1
162.5°	764.6	769.7	774.8	776.1	783.7	793.8	798.9	808.7	828.2	842.8	843.9
165°	778.3	782.8	787.4	788.5	792.0	796.6	798.9	805.9	819.9	830.3	831.5
167.5°	790.7	792.8	795.0	795.6	798.5	802.3	804.3	808.8	818.0	824.9	825.4
170°	798.9	801.0	803.2	803.7	803.9	804.2	804.3	808.8	818.0	824.9	824.9
172.5°	803.2	803.6	804.2	804.3	804.3	804.3	804.3	807.9	815.2	820.6	820.2
175°	809.2	809.2	809.2	809.2	807.5	805.3	804.3	806.5	811.2	814.6	814.6
177.5°	809.2	809.2	809.2	809.2	807.9	806.3	805.4	807.2	810.8	813.6	813.0
180°	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2
2.5°	2856.3	2848.4	2856.3	2851.1	2853.7	2845.8	2822.1	2814.2	2822.1	2830.0	2830.0
5°	2890.6	2885.3	2890.6	2890.6	2887.9	2882.7	2856.3	2851.1	2856.3	2859.0	2853.7
7.5°	2901.1	2893.2	2901.1	2895.8	2895.8	2890.6	2864.2	2859.0	2861.6	2869.5	2861.6
10°	2901.1	2893.2	2901.1	2898.5	2895.8	2890.6	2864.2	2853.7	2853.7	2861.6	2853.7
12.5°	2887.9	2882.7	2887.9	2882.7	2882.7	2877.4	2851.1	2840.5	2843.1	2845.8	2835.2
15°	2866.9	2859.0	2866.9	2861.6	2864.2	2856.3	2827.3	2816.8	2816.8	2822.1	2803.6
17.5°	2835.2	2824.7	2835.2	2832.6	2830.0	2824.7	2798.4	2787.8	2785.2	2787.8	2774.6
20°	2798.4	2790.5	2798.4	2795.7	2795.7	2785.2	2758.8	2745.7	2745.7	2745.7	2732.5
22.5°	2740.4	2732.5	2740.4	2745.7	2745.7	2743.0	2719.3	2700.9	2695.6	2695.6	2679.8
25°	2674.5	2666.6	2674.5	2674.5	2671.9	2674.5	2666.6	2656.1	2648.2	2640.3	2624.5
27.5°	2611.3	2606.0	2611.3	2606.0	2611.3	2603.4	2600.7	2598.1	2587.6	2579.7	2558.6
30°	2548.0	2542.8	2548.0	2542.8	2537.5	2532.2	2519.1	2513.8	2524.3	2519.1	2484.8
32.5°	2469.0	2463.7	2469.0	2469.0	2463.7	2463.7	2442.6	2434.7	2437.4	2453.2	2421.6
35°	2387.3	2379.4	2387.3	2384.7	2387.3	2379.4	2366.2	2363.6	2353.1	2371.5	2347.8
37.5°	2292.4	2284.5	2292.4	2292.4	2292.4	2297.6	2287.1	2279.2	2263.4	2287.1	2268.7
40°	2194.9	2184.3	2194.9	2192.2	2194.9	2200.1	2194.9	2189.6	2173.8	2192.2	2176.4
42.5°	2084.2	2081.6	2084.2	2086.8	2086.8	2097.4	2105.3	2094.7	2089.5	2076.3	2086.8
45°	1965.6	1960.4	1965.6	1970.9	1973.5	1978.8	2002.5	2002.5	1994.6	1973.5	1989.4
47.5°	1839.2	1826.0	1839.2	1855.0	1855.0	1862.9	1886.6	1905.0	1891.9	1865.5	1873.4
50°	1704.8	1707.4	1704.8	1715.3	1715.3	1744.3	1762.8	1781.2	1794.4	1762.8	1725.9
52.5°	1573.0	1570.4	1573.0	1580.9	1591.5	1604.7	1636.3	1654.7	1675.8	1657.4	1599.4
55°	1441.3	1446.6	1441.3	1443.9	1449.2	1457.1	1504.5	1523.0	1562.5	1538.8	1478.2
57.5°	1309.5	1301.6	1309.5	1314.8	1317.5	1325.4	1364.9	1399.1	1422.8	1425.5	1351.7
60°	1156.7	1146.2	1156.7	1180.4	1185.7	1191.0	1227.9	1259.5	1280.6	1288.5	1212.1
62.5°	1022.3	1003.9	1022.3	1038.2	1048.7	1061.9	1088.2	1135.6	1154.1	1156.7	1048.7
65°	880.1	872.2	880.1	911.7	914.3	930.1	959.1	993.4	1032.9	1027.6	872.2
67.5°	750.9	750.9	750.9	772.0	787.8	795.7	832.6	848.4	898.5	903.8	727.2
70°	632.4	629.7	632.4	648.2	658.7	677.2	711.4	729.9	769.4	782.6	590.2
72.5°	519.1	516.4	519.1	532.3	542.8	558.6	587.6	608.7	642.9	658.7	458.5
75°	418.9	413.7	418.9	429.5	426.9	447.9	471.6	492.7	524.3	534.9	339.9
77.5°	321.5	321.5	321.5	332.0	332.0	353.1	363.6	390.0	408.4	424.2	250.3
80°	239.8	237.1	239.8	242.4	242.4	253.0	271.4	289.8	305.6	305.6	171.3
82.5°	168.6	163.4	168.6	168.6	168.6	173.9	184.4	189.7	200.3	208.2	108.0
85°	105.4	105.4	105.4	108.0	105.4	110.7	113.3	118.6	118.6	113.3	65.9
87.5°	68.5	65.9	68.5	65.9	65.9	63.2	63.2	63.2	60.6	58.0	36.9
90°	20.6	20.6	20.6	20.6	20.6	27.5	36.7	41.3	35.5	23.9	15.2
92.5°	82.6	66.2	82.6	99.1	103.2	146.2	203.7	232.4	204.0	147.3	104.8
95°	288.1	238.4	288.1	337.8	350.3	460.0	606.2	679.4	573.8	362.6	204.2
97.5°	690.3	595.8	690.3	785.0	808.7	877.9	970.4	1016.6	840.5	488.4	224.3
100°	994.7	882.0	994.7	1107.4	1135.6	1130.5	1123.7	1120.4	924.9	534.2	241.1
102.5°	1294.0	1197.5	1294.0	1390.5	1414.7	1326.3	1208.5	1149.7	951.6	555.2	258.0
105°	1675.7	1623.8	1675.7	1727.5	1740.5	1542.5	1278.5	1146.4	954.5	570.7	282.9
107.5°	1925.7	1938.2	1925.7	1913.2	1910.0	1633.8	1265.5	1081.3	912.1	573.7	319.9
110°	2021.0	2075.1	2021.0	1967.0	1953.4	1644.6	1232.9	1027.0	874.4	569.3	340.5



TEST NUMBER: P934353

CATALOG NUMBER: SQ4-FA-050U-075D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2029.6	2112.6	2029.6	1946.5	1925.8	1609.7	1188.3	977.5	841.5	569.5	365.5
115°	1975.7	2090.9	1975.7	1860.6	1831.8	1527.3	1121.3	918.4	803.8	574.8	403.0
117.5°	1861.6	1989.3	1861.6	1733.9	1702.0	1427.2	1060.8	877.6	780.2	585.4	439.3
120°	1769.7	1893.7	1769.7	1645.6	1614.6	1363.5	1028.8	861.3	772.3	594.1	460.5
122.5°	1680.1	1802.4	1680.1	1557.7	1527.1	1301.0	999.5	848.8	768.1	606.6	485.5
125°	1552.3	1665.1	1552.3	1439.6	1411.4	1219.3	963.3	835.3	764.6	623.5	517.6
127.5°	1437.4	1532.5	1437.4	1342.4	1318.6	1153.6	933.8	823.8	762.6	640.3	548.5
130°	1369.8	1457.6	1369.8	1281.9	1259.9	1113.2	917.4	819.5	763.9	652.6	569.1
132.5°	1308.3	1387.0	1308.3	1229.6	1209.9	1078.6	903.3	815.7	764.6	662.6	586.0
135°	1224.2	1292.0	1224.2	1156.4	1139.4	1029.4	882.6	809.2	763.9	673.4	605.5
137.5°	1156.6	1212.1	1156.6	1101.1	1087.2	994.2	870.1	808.1	768.7	689.7	630.5
140°	1110.3	1162.2	1110.3	1058.4	1045.4	965.1	857.8	804.3	769.4	699.7	647.3
142.5°	1072.0	1116.6	1072.0	1027.3	1016.1	945.5	851.3	804.3	772.2	708.0	659.9
145°	1014.3	1048.2	1014.3	980.5	972.1	914.4	837.4	798.9	772.2	718.9	678.8
147.5°	970.2	998.2	970.2	942.2	935.2	889.8	829.2	798.9	777.6	734.8	702.7
150°	942.3	965.1	942.3	919.7	914.0	875.6	824.5	798.9	780.3	743.1	715.2
152.5°	918.6	935.7	918.6	901.5	897.2	864.4	820.8	798.9	782.1	748.6	723.4
155°	891.3	902.6	891.3	879.9	877.1	851.0	816.3	798.9	786.1	760.5	741.3
157.5°	869.6	877.6	869.6	861.7	859.7	839.4	812.4	798.9	790.1	772.5	759.2
160°	856.8	861.3	856.8	852.1	851.0	833.6	810.5	798.9	791.9	777.9	767.4
162.5°	848.3	852.7	848.3	843.9	842.8	828.2	808.7	798.9	793.8	783.7	776.1
165°	836.1	840.7	836.1	831.5	830.3	819.9	805.9	798.9	796.6	792.0	788.5
167.5°	827.4	829.3	827.4	825.4	824.9	818.0	808.8	804.3	802.3	798.5	795.6
170°	824.9	824.9	824.9	824.9	824.9	818.0	808.8	804.3	804.2	803.9	803.7
172.5°	818.5	816.8	818.5	820.2	820.6	815.2	807.9	804.3	804.3	804.3	804.3
175°	814.6	814.6	814.6	814.6	814.6	811.2	806.5	804.3	805.3	807.5	809.2
177.5°	811.1	809.2	811.1	813.0	813.6	810.8	807.2	805.4	806.3	807.9	809.2
180°	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2



TEST NUMBER: P934353

CATALOG NUMBER: SQ4-FA-050U-075D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2
2.5°	2824.7	2808.9	2808.9	2782.5	2772.0	2764.1	2750.9	2711.4	2700.9	2690.3	2706.1
5°	2848.4	2819.4	2798.4	2750.9	2711.4	2695.6	2645.5	2550.7	2487.4	2440.0	2413.7
7.5°	2853.7	2816.8	2777.3	2703.5	2608.6	2566.5	2413.7	2239.7	2192.2	2150.1	2123.7
10°	2848.4	2806.3	2750.9	2640.3	2416.3	2342.5	2189.6	2076.3	2047.3	2039.4	2047.3
12.5°	2830.0	2790.5	2714.0	2529.6	2216.0	2165.9	2076.3	2010.4	2005.2	2018.3	2089.5
15°	2798.4	2761.5	2671.9	2382.0	2105.3	2068.4	2005.2	1981.4	2010.4	2102.7	2316.1
17.5°	2766.7	2724.6	2613.9	2237.0	2021.0	1994.6	1949.8	1997.3	2160.6	2284.5	2355.7
20°	2724.6	2674.5	2548.0	2131.6	1960.4	1936.7	1915.6	2129.0	2252.8	2297.6	2337.2
22.5°	2674.5	2621.8	2458.5	2057.9	1897.1	1878.7	1891.9	2202.8	2252.8	2284.5	2318.7
25°	2608.6	2563.8	2353.1	1999.9	1847.1	1826.0	1876.1	2194.9	2223.9	2231.8	2300.3
27.5°	2548.0	2490.1	2242.3	1947.2	1786.5	1778.6	1889.2	2160.6	2181.7	2189.6	2263.4
30°	2474.3	2387.3	2118.5	1891.9	1723.2	1720.6	1891.9	2118.5	2113.2	2134.3	2208.0
32.5°	2397.8	2234.4	1978.8	1823.4	1662.6	1660.0	1873.4	2055.2	2050.0	2078.9	2134.3
35°	2326.7	2115.8	1789.1	1744.3	1586.2	1588.8	1828.6	1981.4	1984.1	2010.4	2044.7
37.5°	2252.8	2013.1	1580.9	1657.4	1512.4	1512.4	1768.0	1912.9	1907.7	1915.6	1963.0
40°	2165.9	1852.3	1396.5	1544.1	1443.9	1436.0	1694.2	1839.2	1820.7	1818.1	1884.0
42.5°	2073.7	1675.8	1259.5	1393.9	1364.9	1354.3	1604.7	1749.6	1715.3	1723.2	1807.5
45°	1973.5	1628.4	1154.1	1177.8	1283.2	1275.3	1507.2	1646.8	1623.1	1644.2	1731.1
47.5°	1873.4	1533.5	1119.8	977.5	1196.2	1193.6	1399.1	1546.7	1533.5	1554.6	1646.8
50°	1736.4	1428.1	1117.2	837.9	1098.8	1109.3	1270.0	1449.2	1449.2	1467.6	1565.1
52.5°	1559.9	1299.0	1014.4	758.9	985.5	1017.1	1156.7	1364.9	1370.1	1388.6	1475.5
55°	1399.1	1164.6	940.7	698.2	851.1	919.6	1046.1	1277.9	1288.5	1306.9	1386.0
57.5°	1251.6	969.6	924.9	627.1	727.2	793.1	948.6	1193.6	1198.9	1214.7	1291.1
60°	1093.5	700.9	848.4	550.7	619.2	669.3	859.0	1093.5	1111.9	1122.5	1188.3
62.5°	914.3	508.5	769.4	498.0	566.5	577.0	785.2	998.6	1022.3	1030.2	1069.8
65°	650.8	426.9	653.5	453.2	511.2	513.8	706.2	901.1	922.2	935.4	964.4
67.5°	440.0	347.8	498.0	411.0	469.0	471.6	629.7	787.8	816.8	827.4	845.8
70°	305.6	231.9	368.9	366.3	421.6	426.9	548.1	685.1	711.4	719.3	729.9
72.5°	224.0	187.1	305.6	329.4	371.5	376.8	463.7	569.1	595.5	603.4	608.7
75°	171.3	197.6	247.7	287.2	316.2	318.8	379.4	463.7	482.2	487.5	490.1
77.5°	137.0	184.4	181.8	231.9	258.2	253.0	297.7	358.3	374.2	374.2	374.2
80°	102.8	144.9	137.0	166.0	189.7	184.4	213.4	255.6	260.9	266.1	263.5
82.5°	76.4	92.2	92.2	105.4	126.5	121.2	142.3	166.0	166.0	166.0	171.3
85°	47.4	52.7	42.2	55.3	71.1	68.5	79.0	89.6	92.2	92.2	87.0
87.5°	29.0	23.7	13.2	21.1	31.6	31.6	36.9	39.5	36.9	36.9	36.9
90°	14.1	9.7	5.4	9.7	14.1	15.2	23.9	35.5	41.3	36.7	27.5
92.5°	95.6	58.6	21.7	58.6	95.6	104.8	147.3	204.0	232.4	203.7	146.2
95°	187.3	119.7	52.2	119.7	187.3	204.2	362.6	573.8	679.4	606.2	460.0
97.5°	209.4	149.8	90.1	149.8	209.4	224.3	488.4	840.5	1016.6	970.4	877.9
100°	227.6	173.6	119.4	173.6	227.6	241.1	534.2	924.9	1120.4	1123.7	1130.5
102.5°	245.3	194.9	144.5	194.9	245.3	258.0	555.2	951.6	1149.7	1208.5	1326.3
105°	272.2	229.5	186.8	229.5	272.2	282.9	570.7	954.5	1146.4	1278.5	1542.5
107.5°	310.0	270.1	230.3	270.1	310.0	319.9	573.7	912.1	1081.3	1265.5	1633.8
110°	331.6	295.5	259.6	295.5	331.6	340.5	569.3	874.4	1027.0	1232.9	1644.6



TEST NUMBER: P934353

CATALOG NUMBER: SQ4-FA-050U-075D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	356.9	322.6	288.3	322.6	356.9	365.5	569.5	841.5	977.5	1188.3	1609.7
115°	395.1	363.4	331.8	363.4	395.1	403.0	574.8	803.8	918.4	1121.3	1527.3
117.5°	432.1	403.4	374.7	403.4	432.1	439.3	585.4	780.2	877.6	1060.8	1427.2
120°	453.7	426.8	399.7	426.8	453.7	460.5	594.1	772.3	861.3	1028.8	1363.5
122.5°	478.7	451.4	424.1	451.4	478.7	485.5	606.6	768.1	848.8	999.5	1301.0
125°	511.3	486.5	461.6	486.5	511.3	517.6	623.5	764.6	835.3	963.3	1219.3
127.5°	542.3	517.1	492.0	517.1	542.3	548.5	640.3	762.6	823.8	933.8	1153.6
130°	562.4	535.4	508.4	535.4	562.4	569.1	652.6	763.9	819.5	917.4	1113.2
132.5°	579.2	552.2	525.1	552.2	579.2	586.0	662.6	764.6	815.7	903.3	1078.6
135°	599.4	574.8	550.2	574.8	599.4	605.5	673.4	763.9	809.2	882.6	1029.4
137.5°	624.5	600.1	575.6	600.1	624.5	630.5	689.7	768.7	808.1	870.1	994.2
140°	641.7	619.3	596.8	619.3	641.7	647.3	699.7	769.4	804.3	857.8	965.1
142.5°	654.7	633.9	613.1	633.9	654.7	659.9	708.0	772.2	804.3	851.3	945.5
145°	674.3	656.2	638.1	656.2	674.3	678.8	718.9	772.2	798.9	837.4	914.4
147.5°	698.3	680.7	663.1	680.7	698.3	702.7	734.8	777.6	798.9	829.2	889.8
150°	711.2	695.3	679.4	695.3	711.2	715.2	743.1	780.3	798.9	824.5	875.6
152.5°	720.4	708.3	696.2	708.3	720.4	723.4	748.6	782.1	798.9	820.8	864.4
155°	739.1	730.1	721.2	730.1	739.1	741.3	760.5	786.1	798.9	816.3	851.0
157.5°	757.0	748.4	739.7	748.4	757.0	759.2	772.5	790.1	798.9	812.4	839.4
160°	765.7	758.9	752.2	758.9	765.7	767.4	777.9	791.9	798.9	810.5	833.6
162.5°	774.8	769.7	764.6	769.7	774.8	776.1	783.7	793.8	798.9	808.7	828.2
165°	787.4	782.8	778.3	782.8	787.4	788.5	792.0	796.6	798.9	805.9	819.9
167.5°	795.0	792.8	790.7	792.8	795.0	795.6	798.5	802.3	804.3	808.8	818.0
170°	803.2	801.0	798.9	801.0	803.2	803.7	803.9	804.2	804.3	808.8	818.0
172.5°	804.2	803.6	803.2	803.6	804.2	804.3	804.3	804.3	804.3	807.9	815.2
175°	809.2	809.2	809.2	809.2	809.2	809.2	807.5	805.3	804.3	806.5	811.2
177.5°	809.2	809.2	809.2	809.2	809.2	809.2	807.9	806.3	805.4	807.2	810.8
180°	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2



TEST NUMBER: P934353
 CATALOG NUMBER: SQ4-FA-050U-075D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2	2785.2
2.5°	2687.7	2679.8	2690.3	2661.3	2690.3	2679.8	2687.7	2706.1	2690.3	2700.9	2711.4
5°	2358.3	2345.2	2302.9	2268.7	2302.9	2345.2	2358.3	2413.7	2440.0	2487.4	2550.7
7.5°	2107.9	2097.4	2086.8	2065.8	2086.8	2097.4	2107.9	2123.7	2150.1	2192.2	2239.7
10°	2052.6	2055.2	2071.0	2068.4	2071.0	2055.2	2052.6	2047.3	2039.4	2047.3	2076.3
12.5°	2194.9	2218.6	2305.5	2300.3	2305.5	2218.6	2194.9	2089.5	2018.3	2005.2	2010.4
15°	2358.3	2366.2	2384.7	2387.3	2384.7	2366.2	2358.3	2316.1	2102.7	2010.4	1981.4
17.5°	2374.1	2376.8	2389.9	2389.9	2389.9	2376.8	2374.1	2355.7	2284.5	2160.6	1997.3
20°	2361.0	2366.2	2392.6	2397.8	2392.6	2366.2	2361.0	2337.2	2297.6	2252.8	2129.0
22.5°	2355.7	2366.2	2387.3	2384.7	2387.3	2366.2	2355.7	2318.7	2284.5	2252.8	2202.8
25°	2329.3	2329.3	2332.0	2334.6	2332.0	2329.3	2329.3	2300.3	2231.8	2223.9	2194.9
27.5°	2273.9	2279.2	2295.0	2292.4	2295.0	2279.2	2273.9	2263.4	2189.6	2181.7	2160.6
30°	2223.9	2218.6	2205.4	2194.9	2205.4	2218.6	2223.9	2208.0	2134.3	2113.2	2118.5
32.5°	2139.5	2126.4	2113.2	2105.3	2113.2	2126.4	2139.5	2134.3	2078.9	2050.0	2055.2
35°	2039.4	2042.0	2039.4	2031.5	2039.4	2042.0	2039.4	2044.7	2010.4	1984.1	1981.4
37.5°	1968.3	1973.5	1970.9	1960.4	1970.9	1973.5	1968.3	1963.0	1915.6	1907.7	1912.9
40°	1894.5	1897.1	1894.5	1886.6	1894.5	1897.1	1894.5	1884.0	1818.1	1820.7	1839.2
42.5°	1823.4	1820.7	1812.8	1807.5	1812.8	1820.7	1823.4	1807.5	1723.2	1715.3	1749.6
45°	1741.7	1744.3	1728.5	1720.6	1728.5	1744.3	1741.7	1731.1	1644.2	1623.1	1646.8
47.5°	1660.0	1660.0	1646.8	1638.9	1646.8	1660.0	1660.0	1646.8	1554.6	1533.5	1546.7
50°	1573.0	1570.4	1552.0	1549.3	1552.0	1570.4	1573.0	1565.1	1467.6	1449.2	1449.2
52.5°	1472.9	1472.9	1475.5	1480.8	1475.5	1472.9	1472.9	1475.5	1388.6	1370.1	1364.9
55°	1386.0	1388.6	1407.0	1412.3	1407.0	1388.6	1386.0	1386.0	1306.9	1288.5	1277.9
57.5°	1296.4	1296.4	1309.5	1309.5	1309.5	1296.4	1296.4	1291.1	1214.7	1198.9	1193.6
60°	1193.6	1198.9	1209.4	1206.8	1209.4	1198.9	1193.6	1188.3	1122.5	1111.9	1093.5
62.5°	1085.6	1090.8	1093.5	1088.2	1093.5	1090.8	1085.6	1069.8	1030.2	1022.3	998.6
65°	972.3	977.5	980.2	974.9	980.2	977.5	972.3	964.4	935.4	922.2	901.1
67.5°	856.3	853.7	851.1	861.6	851.1	853.7	856.3	845.8	827.4	816.8	787.8
70°	737.8	737.8	735.1	740.4	735.1	737.8	737.8	729.9	719.3	711.4	685.1
72.5°	611.3	608.7	619.2	611.3	619.2	608.7	611.3	608.7	603.4	595.5	569.1
75°	487.5	492.7	487.5	495.4	487.5	492.7	487.5	490.1	487.5	482.2	463.7
77.5°	371.5	376.8	371.5	371.5	371.5	376.8	371.5	374.2	374.2	374.2	358.3
80°	263.5	260.9	260.9	258.2	260.9	260.9	263.5	263.5	266.1	260.9	255.6
82.5°	168.6	166.0	166.0	171.3	166.0	166.0	168.6	171.3	166.0	166.0	166.0
85°	92.2	94.9	89.6	89.6	89.6	94.9	92.2	87.0	92.2	92.2	89.6
87.5°	34.3	31.6	31.6	31.6	31.6	31.6	34.3	36.9	36.9	36.9	39.5
90°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	27.5	36.7	41.3	35.5
92.5°	103.2	99.1	82.6	66.2	82.6	99.1	103.2	146.2	203.7	232.4	204.0
95°	350.3	337.8	288.1	238.4	288.1	337.8	350.3	460.0	606.2	679.4	573.8
97.5°	808.7	785.0	690.3	595.8	690.3	785.0	808.7	877.9	970.4	1016.6	840.5
100°	1135.6	1107.4	994.7	882.0	994.7	1107.4	1135.6	1130.5	1123.7	1120.4	924.9
102.5°	1414.7	1390.5	1294.0	1197.5	1294.0	1390.5	1414.7	1326.3	1208.5	1149.7	951.6
105°	1740.5	1727.5	1675.7	1623.8	1675.7	1727.5	1740.5	1542.5	1278.5	1146.4	954.5
107.5°	1910.0	1913.2	1925.7	1938.2	1925.7	1913.2	1910.0	1633.8	1265.5	1081.3	912.1
110°	1953.4	1967.0	2021.0	2075.1	2021.0	1967.0	1953.4	1644.6	1232.9	1027.0	874.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1925.8	1946.5	2029.6	2112.6	2029.6	1946.5	1925.8	1609.7	1188.3	977.5	841.5
115°	1831.8	1860.6	1975.7	2090.9	1975.7	1860.6	1831.8	1527.3	1121.3	918.4	803.8
117.5°	1702.0	1733.9	1861.6	1989.3	1861.6	1733.9	1702.0	1427.2	1060.8	877.6	780.2
120°	1614.6	1645.6	1769.7	1893.7	1769.7	1645.6	1614.6	1363.5	1028.8	861.3	772.3
122.5°	1527.1	1557.7	1680.1	1802.4	1680.1	1557.7	1527.1	1301.0	999.5	848.8	768.1
125°	1411.4	1439.6	1552.3	1665.1	1552.3	1439.6	1411.4	1219.3	963.3	835.3	764.6
127.5°	1318.6	1342.4	1437.4	1532.5	1437.4	1342.4	1318.6	1153.6	933.8	823.8	762.6
130°	1259.9	1281.9	1369.8	1457.6	1369.8	1281.9	1259.9	1113.2	917.4	819.5	763.9
132.5°	1209.9	1229.6	1308.3	1387.0	1308.3	1229.6	1209.9	1078.6	903.3	815.7	764.6
135°	1139.4	1156.4	1224.2	1292.0	1224.2	1156.4	1139.4	1029.4	882.6	809.2	763.9
137.5°	1087.2	1101.1	1156.6	1212.1	1156.6	1101.1	1087.2	994.2	870.1	808.1	768.7
140°	1045.4	1058.4	1110.3	1162.2	1110.3	1058.4	1045.4	965.1	857.8	804.3	769.4
142.5°	1016.1	1027.3	1072.0	1116.6	1072.0	1027.3	1016.1	945.5	851.3	804.3	772.2
145°	972.1	980.5	1014.3	1048.2	1014.3	980.5	972.1	914.4	837.4	798.9	772.2
147.5°	935.2	942.2	970.2	998.2	970.2	942.2	935.2	889.8	829.2	798.9	777.6
150°	914.0	919.7	942.3	965.1	942.3	919.7	914.0	875.6	824.5	798.9	780.3
152.5°	897.2	901.5	918.6	935.7	918.6	901.5	897.2	864.4	820.8	798.9	782.1
155°	877.1	879.9	891.3	902.6	891.3	879.9	877.1	851.0	816.3	798.9	786.1
157.5°	859.7	861.7	869.6	877.6	869.6	861.7	859.7	839.4	812.4	798.9	790.1
160°	851.0	852.1	856.8	861.3	856.8	852.1	851.0	833.6	810.5	798.9	791.9
162.5°	842.8	843.9	848.3	852.7	848.3	843.9	842.8	828.2	808.7	798.9	793.8
165°	830.3	831.5	836.1	840.7	836.1	831.5	830.3	819.9	805.9	798.9	796.6
167.5°	824.9	825.4	827.4	829.3	827.4	825.4	824.9	818.0	808.8	804.3	802.3
170°	824.9	824.9	824.9	824.9	824.9	824.9	824.9	818.0	808.8	804.3	804.2
172.5°	820.6	820.2	818.5	816.8	818.5	820.2	820.6	815.2	807.9	804.3	804.3
175°	814.6	814.6	814.6	814.6	814.6	814.6	814.6	811.2	806.5	804.3	805.3
177.5°	813.6	813.0	811.1	809.2	811.1	813.0	813.6	810.8	807.2	805.4	806.3
180°	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2



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CATALOG NUMBER: SQ4-FA-050U-075D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2785.2	2785.2	2785.2	2785.2	2785.2
2.5°	2750.9	2764.1	2772.0	2782.5	2808.9
5°	2645.5	2695.6	2711.4	2750.9	2798.4
7.5°	2413.7	2566.5	2608.6	2703.5	2777.3
10°	2189.6	2342.5	2416.3	2640.3	2750.9
12.5°	2076.3	2165.9	2216.0	2529.6	2714.0
15°	2005.2	2068.4	2105.3	2382.0	2671.9
17.5°	1949.8	1994.6	2021.0	2237.0	2613.9
20°	1915.6	1936.7	1960.4	2131.6	2548.0
22.5°	1891.9	1878.7	1897.1	2057.9	2458.5
25°	1876.1	1826.0	1847.1	1999.9	2353.1
27.5°	1889.2	1778.6	1786.5	1947.2	2242.3
30°	1891.9	1720.6	1723.2	1891.9	2118.5
32.5°	1873.4	1660.0	1662.6	1823.4	1978.8
35°	1828.6	1588.8	1586.2	1744.3	1789.1
37.5°	1768.0	1512.4	1512.4	1657.4	1580.9
40°	1694.2	1436.0	1443.9	1544.1	1396.5
42.5°	1604.7	1354.3	1364.9	1393.9	1259.5
45°	1507.2	1275.3	1283.2	1177.8	1154.1
47.5°	1399.1	1193.6	1196.2	977.5	1119.8
50°	1270.0	1109.3	1098.8	837.9	1117.2
52.5°	1156.7	1017.1	985.5	758.9	1014.4
55°	1046.1	919.6	851.1	698.2	940.7
57.5°	948.6	793.1	727.2	627.1	924.9
60°	859.0	669.3	619.2	550.7	848.4
62.5°	785.2	577.0	566.5	498.0	769.4
65°	706.2	513.8	511.2	453.2	653.5
67.5°	629.7	471.6	469.0	411.0	498.0
70°	548.1	426.9	421.6	366.3	368.9
72.5°	463.7	376.8	371.5	329.4	305.6
75°	379.4	318.8	316.2	287.2	247.7
77.5°	297.7	253.0	258.2	231.9	181.8
80°	213.4	184.4	189.7	166.0	137.0
82.5°	142.3	121.2	126.5	105.4	92.2
85°	79.0	68.5	71.1	55.3	42.2
87.5°	36.9	31.6	31.6	21.1	13.2
90°	23.9	15.2	14.1	9.7	5.4
92.5°	147.3	104.8	95.6	58.6	21.7
95°	362.6	204.2	187.3	119.7	52.2
97.5°	488.4	224.3	209.4	149.8	90.1
100°	534.2	241.1	227.6	173.6	119.4
102.5°	555.2	258.0	245.3	194.9	144.5
105°	570.7	282.9	272.2	229.5	186.8
107.5°	573.7	319.9	310.0	270.1	230.3
110°	569.3	340.5	331.6	295.5	259.6



TEST NUMBER: P934353

CATALOG NUMBER: SQ4-FA-050U-075D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	569.5	365.5	356.9	322.6	288.3
115°	574.8	403.0	395.1	363.4	331.8
117.5°	585.4	439.3	432.1	403.4	374.7
120°	594.1	460.5	453.7	426.8	399.7
122.5°	606.6	485.5	478.7	451.4	424.1
125°	623.5	517.6	511.3	486.5	461.6
127.5°	640.3	548.5	542.3	517.1	492.0
130°	652.6	569.1	562.4	535.4	508.4
132.5°	662.6	586.0	579.2	552.2	525.1
135°	673.4	605.5	599.4	574.8	550.2
137.5°	689.7	630.5	624.5	600.1	575.6
140°	699.7	647.3	641.7	619.3	596.8
142.5°	708.0	659.9	654.7	633.9	613.1
145°	718.9	678.8	674.3	656.2	638.1
147.5°	734.8	702.7	698.3	680.7	663.1
150°	743.1	715.2	711.2	695.3	679.4
152.5°	748.6	723.4	720.4	708.3	696.2
155°	760.5	741.3	739.1	730.1	721.2
157.5°	772.5	759.2	757.0	748.4	739.7
160°	777.9	767.4	765.7	758.9	752.2
162.5°	783.7	776.1	774.8	769.7	764.6
165°	792.0	788.5	787.4	782.8	778.3
167.5°	798.5	795.6	795.0	792.8	790.7
170°	803.9	803.7	803.2	801.0	798.9
172.5°	804.3	804.3	804.2	803.6	803.2
175°	807.5	809.2	809.2	809.2	809.2
177.5°	807.9	809.2	809.2	809.2	809.2
180°	809.2	809.2	809.2	809.2	809.2



TEST NUMBER: P934353
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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	13.00	13.93	13.88	14.84	15.99	15.85	16.78	16.73	17.69	18.84
	3H	13.48	14.32	14.38	15.23	16.41	17.20	18.05	18.10	18.96	20.14
	4H	13.67	14.47	14.59	15.39	16.58	17.66	18.45	18.57	19.37	20.56
	6H	13.80	14.53	14.72	15.46	16.66	17.95	18.68	18.88	19.61	20.81
	8H	13.80	14.50	14.73	15.44	16.64	18.03	18.73	18.96	19.67	20.87
	12H	13.77	14.44	14.71	15.38	16.60	18.08	18.74	19.01	19.68	20.90
4H	2H	14.04	14.84	14.96	15.76	16.95	16.26	17.06	17.18	17.98	19.17
	3H	15.08	15.74	16.01	16.69	17.89	17.78	18.45	18.71	19.40	20.60
	4H	15.36	15.96	16.30	16.91	18.14	18.32	18.92	19.26	19.87	21.10
	6H	15.49	16.01	16.44	16.98	18.21	18.69	19.22	19.65	20.19	21.41
	8H	15.49	15.98	16.45	16.94	18.19	18.81	19.29	19.76	20.26	21.50
	12H	15.46	15.90	16.44	16.88	18.13	18.87	19.31	19.85	20.29	21.54
8H	4H	15.82	16.31	16.78	17.27	18.51	18.45	18.94	19.41	19.90	21.14
	6H	16.08	16.49	17.07	17.49	18.73	18.89	19.30	19.88	20.30	21.54
	8H	16.13	16.48	17.12	17.48	18.74	19.05	19.41	20.04	20.40	21.66
	12H	16.11	16.43	17.11	17.42	18.72	19.16	19.47	20.15	20.46	21.76
12H	4H	15.83	16.27	16.80	17.25	18.50	18.42	18.86	19.39	19.84	21.09
	6H	16.15	16.50	17.14	17.50	18.76	18.89	19.25	19.88	20.24	21.50
	8H	16.22	16.53	17.21	17.52	18.82	19.06	19.37	20.05	20.36	21.67