

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: P936140

Luminaire Tested: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936140
REPORT IS A COMBINATION OF REPORTS P933783 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-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: -

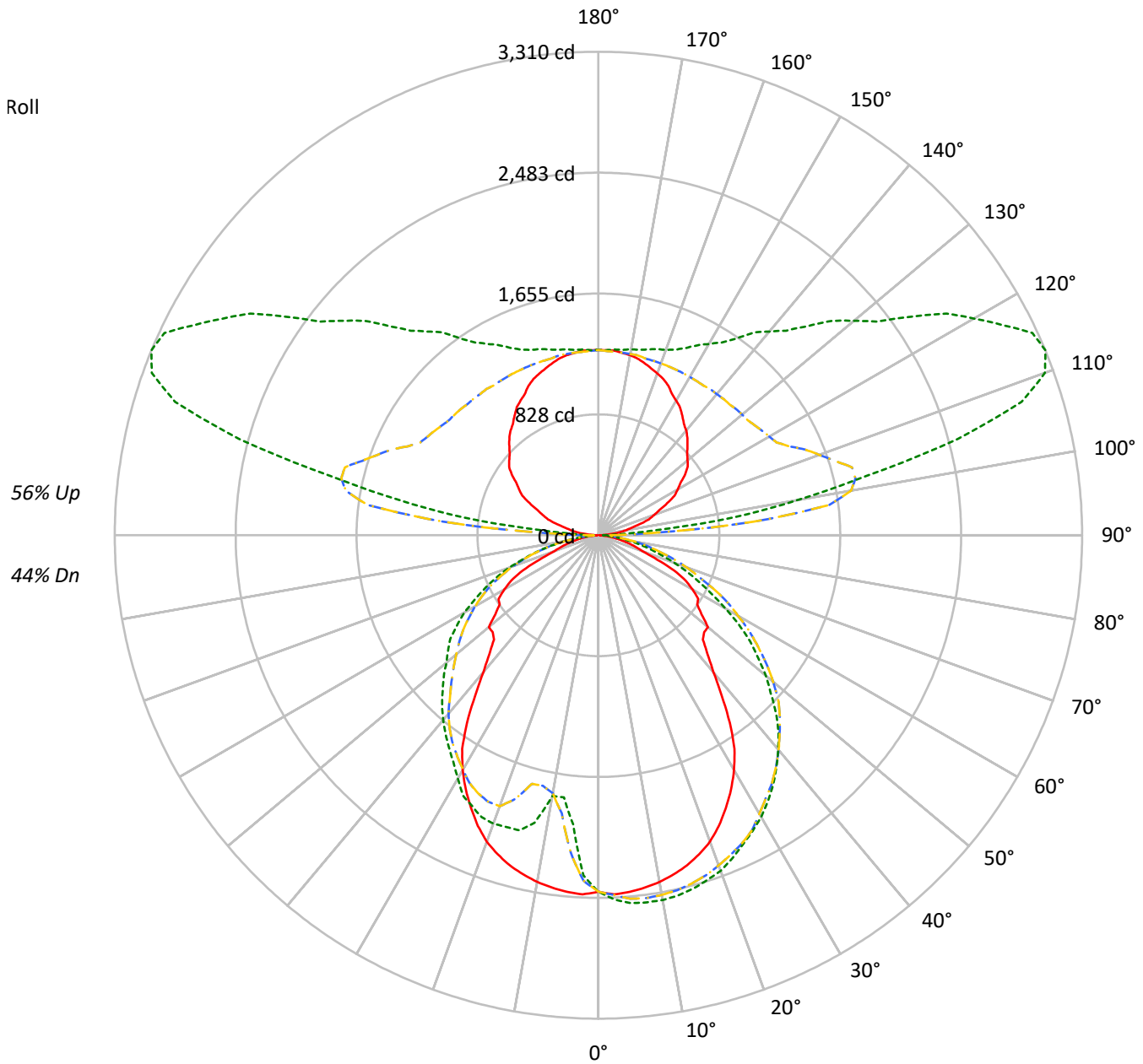
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14552.4 lumens
Efficiency: N/A
Efficacy: 116.6 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): 124.8
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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CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-6-4000K

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44	44	44	44
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37	37	37	37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	31	31	31	31
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30	26	26	26	26
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26	22	22	22	22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23	19	19	19	19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20	17	17	17	17
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18	15	15	15	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13	13	13	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12	12	12	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13	11	11	11	11

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	1.5
10°-20°	625.5	4.3
20°-30°	966.8	6.6
30°-40°	1154.2	7.9
40°-50°	1161.0	8.0
50°-60°	1010.2	6.9
60°-70°	716.2	4.9
70°-80°	378.9	2.6
80°-90°	99.2	0.7
90°-100°	618.1	4.2
100°-110°	1625.0	11.2
110°-120°	1685.0	11.6
120°-130°	1351.5	9.3
130°-140°	1060.5	7.3
140°-150°	814.0	5.6
150°-160°	586.2	4.0
160°-170°	358.7	2.5
170°-180°	121.2	0.8
0°-30°	1812.6	12.5
0°-40°	2966.8	20.4
0°-60°	5137.9	35.3
0°-90°	6332.3	43.5
90°-120°	3928.1	27.0
90°-150°	7154.1	49.2
90°-180°	8220.0	56.5
0°-180°	14552.4	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°	9	32	9	32	9	9
95°	82	374	82	374	82	91
105°	293	2544	293	2544	293	310
115°	520	3276	520	3276	520	514
125°	723	2609	723	2609	723	642
135°	862	2025	862	2025	862	667
145°	1000	1642	1000	1642	1000	626
155°	1130	1414	1130	1414	1130	519
165°	1220	1317	1220	1317	1220	344
175°	1268	1276	1268	1276	1268	120
180°	1268	1268	1268	1268	1268	



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CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-6-4000K

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°	8.6	15.4	22.1	23.8	37.5	55.6	64.7	57.5	43.1	32.4	32.4
92.5°	34.0	91.9	149.8	164.3	231.0	319.8	364.2	319.2	229.2	161.7	155.3
95°	81.7	187.6	293.5	320.0	568.3	899.2	1064.6	950.0	720.8	548.9	529.4
97.5°	141.3	234.7	328.1	351.5	765.4	1317.2	1593.1	1520.7	1375.8	1267.2	1230.1
100°	187.2	272.0	356.7	377.9	837.1	1449.5	1755.7	1761.0	1771.6	1779.5	1735.4
102.5°	226.4	305.5	384.5	404.2	870.1	1491.1	1801.6	1893.9	2078.4	2216.9	2179.0
105°	292.7	359.7	426.6	443.4	894.4	1495.8	1796.5	2003.4	2417.2	2727.5	2707.2
107.5°	360.9	423.3	485.7	501.2	898.9	1429.2	1694.4	1983.0	2560.2	2993.1	2998.0
110°	406.8	463.2	519.5	533.6	892.2	1370.2	1609.2	1931.9	2577.2	3061.1	3082.3



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CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	451.9	505.6	559.2	572.7	892.4	1318.7	1531.8	1862.0	2522.4	3017.7	3050.3
115°	519.9	569.5	619.1	631.5	900.6	1259.6	1439.0	1757.1	2393.3	2870.5	2915.6
117.5°	587.2	632.2	677.2	688.5	917.5	1222.6	1375.3	1662.4	2236.4	2667.1	2717.1
120°	626.4	668.8	711.2	721.7	931.0	1210.2	1349.7	1612.1	2136.6	2530.1	2578.6
122.5°	664.7	707.4	750.2	760.8	950.6	1203.6	1330.2	1566.4	2038.8	2393.1	2441.0
125°	723.3	762.3	801.3	811.0	977.0	1198.3	1308.9	1509.5	1910.8	2211.8	2255.9
127.5°	771.0	810.3	849.7	859.5	1003.3	1195.1	1291.0	1463.2	1807.8	2066.2	2103.5
130°	796.6	839.0	881.3	891.9	1022.7	1197.1	1284.2	1437.6	1744.3	1974.4	2008.8
132.5°	822.9	865.3	907.7	918.3	1038.3	1198.3	1278.2	1415.5	1690.1	1896.0	1926.9
135°	862.1	900.6	939.3	948.9	1055.3	1197.1	1268.0	1383.0	1613.0	1785.4	1812.0
137.5°	902.1	940.3	978.5	988.0	1080.8	1204.5	1266.3	1363.5	1557.9	1703.8	1725.5
140°	935.3	970.5	1005.6	1014.4	1096.4	1205.7	1260.4	1344.4	1512.3	1638.3	1658.5
142.5°	960.8	993.3	1025.9	1034.0	1109.5	1210.1	1260.4	1334.2	1481.6	1592.2	1609.7
145°	1000.0	1028.3	1056.7	1063.8	1126.5	1210.1	1251.8	1312.2	1432.9	1523.4	1536.6
147.5°	1039.1	1066.7	1094.3	1101.2	1151.4	1218.4	1251.8	1299.3	1394.2	1465.4	1476.4
150°	1064.6	1089.6	1114.5	1120.8	1164.4	1222.7	1251.8	1292.0	1372.1	1432.2	1441.1
152.5°	1091.0	1109.9	1128.9	1133.6	1173.0	1225.6	1251.8	1286.0	1354.5	1405.8	1412.6
155°	1130.1	1144.1	1158.1	1161.6	1191.7	1231.8	1251.8	1279.0	1333.5	1374.4	1378.8
157.5°	1159.1	1172.7	1186.3	1189.7	1210.5	1238.0	1251.8	1273.0	1315.4	1347.2	1350.3
160°	1178.7	1189.3	1199.8	1202.4	1218.9	1240.8	1251.8	1270.0	1306.3	1333.5	1335.3
162.5°	1198.3	1206.2	1214.1	1216.1	1228.0	1243.9	1251.8	1267.1	1297.8	1320.8	1322.5
165°	1219.6	1226.7	1233.8	1235.7	1241.0	1248.2	1251.8	1262.8	1284.8	1301.2	1303.1
167.5°	1239.1	1242.5	1245.9	1246.7	1251.3	1257.4	1260.4	1267.6	1282.0	1292.7	1293.4
170°	1251.8	1255.2	1258.7	1259.5	1259.8	1260.2	1260.4	1267.6	1282.0	1292.7	1292.7
172.5°	1258.7	1259.4	1260.2	1260.4	1260.4	1260.4	1260.4	1266.0	1277.4	1285.9	1285.2
175°	1268.0	1268.0	1268.0	1268.0	1265.5	1262.1	1260.4	1263.9	1271.1	1276.5	1276.5
177.5°	1268.0	1268.0	1268.0	1268.0	1266.0	1263.4	1262.0	1264.9	1270.6	1274.9	1274.1
180°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0



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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°	32.4	32.4	32.4	32.4	32.4	43.1	57.5	64.7	55.6	37.5	23.8
92.5°	129.5	103.8	129.5	155.3	161.7	229.2	319.2	364.2	319.8	231.0	164.3
95°	451.5	373.6	451.5	529.4	548.9	720.8	950.0	1064.6	899.2	568.3	320.0
97.5°	1081.8	933.6	1081.8	1230.1	1267.2	1375.8	1520.7	1593.1	1317.2	765.4	351.5
100°	1558.8	1382.1	1558.8	1735.4	1779.5	1771.6	1761.0	1755.7	1449.5	837.1	377.9
102.5°	2027.8	1876.5	2027.8	2179.0	2216.9	2078.4	1893.9	1801.6	1491.1	870.1	404.2
105°	2625.8	2544.5	2625.8	2707.2	2727.5	2417.2	2003.4	1796.5	1495.8	894.4	443.4
107.5°	3017.6	3037.3	3017.6	2998.0	2993.1	2560.2	1983.0	1694.4	1429.2	898.9	501.2
110°	3167.0	3251.8	3167.0	3082.3	3061.1	2577.2	1931.9	1609.2	1370.2	892.2	533.6



TEST NUMBER: P936140

CATALOG NUMBER: SQ4-FA-150U-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°	3180.4	3310.4	3180.4	3050.3	3017.7	2522.4	1862.0	1531.8	1318.7	892.4	572.7
115°	3095.9	3276.4	3095.9	2915.6	2870.5	2393.3	1757.1	1439.0	1259.6	900.6	631.5
117.5°	2917.2	3117.3	2917.2	2717.1	2667.1	2236.4	1662.4	1375.3	1222.6	917.5	688.5
120°	2773.1	2967.5	2773.1	2578.6	2530.1	2136.6	1612.1	1349.7	1210.2	931.0	721.7
122.5°	2632.8	2824.5	2632.8	2441.0	2393.1	2038.8	1566.4	1330.2	1203.6	950.6	760.8
125°	2432.6	2609.2	2432.6	2255.9	2211.8	1910.8	1509.5	1308.9	1198.3	977.0	811.0
127.5°	2252.5	2401.6	2252.5	2103.5	2066.2	1807.8	1463.2	1291.0	1195.1	1003.3	859.5
130°	2146.5	2284.1	2146.5	2008.8	1974.4	1744.3	1437.6	1284.2	1197.1	1022.7	891.9
132.5°	2050.1	2173.5	2050.1	1926.9	1896.0	1690.1	1415.5	1278.2	1198.3	1038.3	918.3
135°	1918.3	2024.6	1918.3	1812.0	1785.4	1613.0	1383.0	1268.0	1197.1	1055.3	948.9
137.5°	1812.5	1899.5	1812.5	1725.5	1703.8	1557.9	1363.5	1266.3	1204.5	1080.8	988.0
140°	1739.9	1821.2	1739.9	1658.5	1638.3	1512.3	1344.4	1260.4	1205.7	1096.4	1014.4
142.5°	1679.7	1749.7	1679.7	1609.7	1592.2	1481.6	1334.2	1260.4	1210.1	1109.5	1034.0
145°	1589.5	1642.4	1589.5	1536.6	1523.4	1432.9	1312.2	1251.8	1210.1	1126.5	1063.8
147.5°	1520.3	1564.2	1520.3	1476.4	1465.4	1394.2	1299.3	1251.8	1218.4	1151.4	1101.2
150°	1476.7	1512.3	1476.7	1441.1	1432.2	1372.1	1292.0	1251.8	1222.7	1164.4	1120.8
152.5°	1439.4	1466.3	1439.4	1412.6	1405.8	1354.5	1286.0	1251.8	1225.6	1173.0	1133.6
155°	1396.6	1414.4	1396.6	1378.8	1374.4	1333.5	1279.0	1251.8	1231.8	1191.7	1161.6
157.5°	1362.8	1375.3	1362.8	1350.3	1347.2	1315.4	1273.0	1251.8	1238.0	1210.5	1189.7
160°	1342.5	1349.7	1342.5	1335.3	1333.5	1306.3	1270.0	1251.8	1240.8	1218.9	1202.4
162.5°	1329.3	1336.1	1329.3	1322.5	1320.8	1297.8	1267.1	1251.8	1243.9	1228.0	1216.1
165°	1310.2	1317.3	1310.2	1303.1	1301.2	1284.8	1262.8	1251.8	1248.2	1241.0	1235.7
167.5°	1296.5	1299.5	1296.5	1293.4	1292.7	1282.0	1267.6	1260.4	1257.4	1251.3	1246.7
170°	1292.7	1292.7	1292.7	1292.7	1292.7	1282.0	1267.6	1260.4	1260.2	1259.8	1259.5
172.5°	1282.6	1280.0	1282.6	1285.2	1285.9	1277.4	1266.0	1260.4	1260.4	1260.4	1260.4
175°	1276.5	1276.5	1276.5	1276.5	1276.5	1271.1	1263.9	1260.4	1262.1	1265.5	1268.0
177.5°	1271.0	1268.0	1271.0	1274.1	1274.9	1270.6	1264.9	1262.0	1263.4	1266.0	1268.0
180°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0



TEST NUMBER: P936140

CATALOG NUMBER: SQ4-FA-150U-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°	22.1	15.4	8.6	15.4	22.1	23.8	37.5	55.6	64.7	57.5	43.1
92.5°	149.8	91.9	34.0	91.9	149.8	164.3	231.0	319.8	364.2	319.2	229.2
95°	293.5	187.6	81.7	187.6	293.5	320.0	568.3	899.2	1064.6	950.0	720.8
97.5°	328.1	234.7	141.3	234.7	328.1	351.5	765.4	1317.2	1593.1	1520.7	1375.8
100°	356.7	272.0	187.2	272.0	356.7	377.9	837.1	1449.5	1755.7	1761.0	1771.6
102.5°	384.5	305.5	226.4	305.5	384.5	404.2	870.1	1491.1	1801.6	1893.9	2078.4
105°	426.6	359.7	292.7	359.7	426.6	443.4	894.4	1495.8	1796.5	2003.4	2417.2
107.5°	485.7	423.3	360.9	423.3	485.7	501.2	898.9	1429.2	1694.4	1983.0	2560.2
110°	519.5	463.2	406.8	463.2	519.5	533.6	892.2	1370.2	1609.2	1931.9	2577.2



TEST NUMBER: P936140

CATALOG NUMBER: SQ4-FA-150U-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°	559.2	505.6	451.9	505.6	559.2	572.7	892.4	1318.7	1531.8	1862.0	2522.4
115°	619.1	569.5	519.9	569.5	619.1	631.5	900.6	1259.6	1439.0	1757.1	2393.3
117.5°	677.2	632.2	587.2	632.2	677.2	688.5	917.5	1222.6	1375.3	1662.4	2236.4
120°	711.2	668.8	626.4	668.8	711.2	721.7	931.0	1210.2	1349.7	1612.1	2136.6
122.5°	750.2	707.4	664.7	707.4	750.2	760.8	950.6	1203.6	1330.2	1566.4	2038.8
125°	801.3	762.3	723.3	762.3	801.3	811.0	977.0	1198.3	1308.9	1509.5	1910.8
127.5°	849.7	810.3	771.0	810.3	849.7	859.5	1003.3	1195.1	1291.0	1463.2	1807.8
130°	881.3	839.0	796.6	839.0	881.3	891.9	1022.7	1197.1	1284.2	1437.6	1744.3
132.5°	907.7	865.3	822.9	865.3	907.7	918.3	1038.3	1198.3	1278.2	1415.5	1690.1
135°	939.3	900.6	862.1	900.6	939.3	948.9	1055.3	1197.1	1268.0	1383.0	1613.0
137.5°	978.5	940.3	902.1	940.3	978.5	988.0	1080.8	1204.5	1266.3	1363.5	1557.9
140°	1005.6	970.5	935.3	970.5	1005.6	1014.4	1096.4	1205.7	1260.4	1344.4	1512.3
142.5°	1025.9	993.3	960.8	993.3	1025.9	1034.0	1109.5	1210.1	1260.4	1334.2	1481.6
145°	1056.7	1028.3	1000.0	1028.3	1056.7	1063.8	1126.5	1210.1	1251.8	1312.2	1432.9
147.5°	1094.3	1066.7	1039.1	1066.7	1094.3	1101.2	1151.4	1218.4	1251.8	1299.3	1394.2
150°	1114.5	1089.6	1064.6	1089.6	1114.5	1120.8	1164.4	1222.7	1251.8	1292.0	1372.1
152.5°	1128.9	1109.9	1091.0	1109.9	1128.9	1133.6	1173.0	1225.6	1251.8	1286.0	1354.5
155°	1158.1	1144.1	1130.1	1144.1	1158.1	1161.6	1191.7	1231.8	1251.8	1279.0	1333.5
157.5°	1186.3	1172.7	1159.1	1172.7	1186.3	1189.7	1210.5	1238.0	1251.8	1273.0	1315.4
160°	1199.8	1189.3	1178.7	1189.3	1199.8	1202.4	1218.9	1240.8	1251.8	1270.0	1306.3
162.5°	1214.1	1206.2	1198.3	1206.2	1214.1	1216.1	1228.0	1243.9	1251.8	1267.1	1297.8
165°	1233.8	1226.7	1219.6	1226.7	1233.8	1235.7	1241.0	1248.2	1251.8	1262.8	1284.8
167.5°	1245.9	1242.5	1239.1	1242.5	1245.9	1246.7	1251.3	1257.4	1260.4	1267.6	1282.0
170°	1258.7	1255.2	1251.8	1255.2	1258.7	1259.5	1259.8	1260.2	1260.4	1267.6	1282.0
172.5°	1260.2	1259.4	1258.7	1259.4	1260.2	1260.4	1260.4	1260.4	1260.4	1266.0	1277.4
175°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1265.5	1262.1	1260.4	1263.9	1271.1
177.5°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1266.0	1263.4	1262.0	1264.9	1270.6
180°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0



TEST NUMBER: P936140

CATALOG NUMBER: SQ4-FA-150U-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°	32.4	32.4	32.4	32.4	32.4	32.4	32.4	43.1	57.5	64.7	55.6
92.5°	161.7	155.3	129.5	103.8	129.5	155.3	161.7	229.2	319.2	364.2	319.8
95°	548.9	529.4	451.5	373.6	451.5	529.4	548.9	720.8	950.0	1064.6	899.2
97.5°	1267.2	1230.1	1081.8	933.6	1081.8	1230.1	1267.2	1375.8	1520.7	1593.1	1317.2
100°	1779.5	1735.4	1558.8	1382.1	1558.8	1735.4	1779.5	1771.6	1761.0	1755.7	1449.5
102.5°	2216.9	2179.0	2027.8	1876.5	2027.8	2179.0	2216.9	2078.4	1893.9	1801.6	1491.1
105°	2727.5	2707.2	2625.8	2544.5	2625.8	2707.2	2727.5	2417.2	2003.4	1796.5	1495.8
107.5°	2993.1	2998.0	3017.6	3037.3	3017.6	2998.0	2993.1	2560.2	1983.0	1694.4	1429.2
110°	3061.1	3082.3	3167.0	3251.8	3167.0	3082.3	3061.1	2577.2	1931.9	1609.2	1370.2



TEST NUMBER: P936140

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3017.7	3050.3	3180.4	3310.4	3180.4	3050.3	3017.7	2522.4	1862.0	1531.8	1318.7
115°	2870.5	2915.6	3095.9	3276.4	3095.9	2915.6	2870.5	2393.3	1757.1	1439.0	1259.6
117.5°	2667.1	2717.1	2917.2	3117.3	2917.2	2717.1	2667.1	2236.4	1662.4	1375.3	1222.6
120°	2530.1	2578.6	2773.1	2967.5	2773.1	2578.6	2530.1	2136.6	1612.1	1349.7	1210.2
122.5°	2393.1	2441.0	2632.8	2824.5	2632.8	2441.0	2393.1	2038.8	1566.4	1330.2	1203.6
125°	2211.8	2255.9	2432.6	2609.2	2432.6	2255.9	2211.8	1910.8	1509.5	1308.9	1198.3
127.5°	2066.2	2103.5	2252.5	2401.6	2252.5	2103.5	2066.2	1807.8	1463.2	1291.0	1195.1
130°	1974.4	2008.8	2146.5	2284.1	2146.5	2008.8	1974.4	1744.3	1437.6	1284.2	1197.1
132.5°	1896.0	1926.9	2050.1	2173.5	2050.1	1926.9	1896.0	1690.1	1415.5	1278.2	1198.3
135°	1785.4	1812.0	1918.3	2024.6	1918.3	1812.0	1785.4	1613.0	1383.0	1268.0	1197.1
137.5°	1703.8	1725.5	1812.5	1899.5	1812.5	1725.5	1703.8	1557.9	1363.5	1266.3	1204.5
140°	1638.3	1658.5	1739.9	1821.2	1739.9	1658.5	1638.3	1512.3	1344.4	1260.4	1205.7
142.5°	1592.2	1609.7	1679.7	1749.7	1679.7	1609.7	1592.2	1481.6	1334.2	1260.4	1210.1
145°	1523.4	1536.6	1589.5	1642.4	1589.5	1536.6	1523.4	1432.9	1312.2	1251.8	1210.1
147.5°	1465.4	1476.4	1520.3	1564.2	1520.3	1476.4	1465.4	1394.2	1299.3	1251.8	1218.4
150°	1432.2	1441.1	1476.7	1512.3	1476.7	1441.1	1432.2	1372.1	1292.0	1251.8	1222.7
152.5°	1405.8	1412.6	1439.4	1466.3	1439.4	1412.6	1405.8	1354.5	1286.0	1251.8	1225.6
155°	1374.4	1378.8	1396.6	1414.4	1396.6	1378.8	1374.4	1333.5	1279.0	1251.8	1231.8
157.5°	1347.2	1350.3	1362.8	1375.3	1362.8	1350.3	1347.2	1315.4	1273.0	1251.8	1238.0
160°	1333.5	1335.3	1342.5	1349.7	1342.5	1335.3	1333.5	1306.3	1270.0	1251.8	1240.8
162.5°	1320.8	1322.5	1329.3	1336.1	1329.3	1322.5	1320.8	1297.8	1267.1	1251.8	1243.9
165°	1301.2	1303.1	1310.2	1317.3	1310.2	1303.1	1301.2	1284.8	1262.8	1251.8	1248.2
167.5°	1292.7	1293.4	1296.5	1299.5	1296.5	1293.4	1292.7	1282.0	1267.6	1260.4	1257.4
170°	1292.7	1292.7	1292.7	1292.7	1292.7	1292.7	1292.7	1282.0	1267.6	1260.4	1260.2
172.5°	1285.9	1285.2	1282.6	1280.0	1282.6	1285.2	1285.9	1277.4	1266.0	1260.4	1260.4
175°	1276.5	1276.5	1276.5	1276.5	1276.5	1276.5	1276.5	1271.1	1263.9	1260.4	1262.1
177.5°	1274.9	1274.1	1271.0	1268.0	1271.0	1274.1	1274.9	1270.6	1264.9	1262.0	1263.4
180°	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0	1268.0



TEST NUMBER: P936140

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-6-4000K

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°	37.5	23.8	22.1	15.4	8.6
92.5°	231.0	164.3	149.8	91.9	34.0
95°	568.3	320.0	293.5	187.6	81.7
97.5°	765.4	351.5	328.1	234.7	141.3
100°	837.1	377.9	356.7	272.0	187.2
102.5°	870.1	404.2	384.5	305.5	226.4
105°	894.4	443.4	426.6	359.7	292.7
107.5°	898.9	501.2	485.7	423.3	360.9
110°	892.2	533.6	519.5	463.2	406.8



TEST NUMBER: P936140

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	892.4	572.7	559.2	505.6	451.9
115°	900.6	631.5	619.1	569.5	519.9
117.5°	917.5	688.5	677.2	632.2	587.2
120°	931.0	721.7	711.2	668.8	626.4
122.5°	950.6	760.8	750.2	707.4	664.7
125°	977.0	811.0	801.3	762.3	723.3
127.5°	1003.3	859.5	849.7	810.3	771.0
130°	1022.7	891.9	881.3	839.0	796.6
132.5°	1038.3	918.3	907.7	865.3	822.9
135°	1055.3	948.9	939.3	900.6	862.1
137.5°	1080.8	988.0	978.5	940.3	902.1
140°	1096.4	1014.4	1005.6	970.5	935.3
142.5°	1109.5	1034.0	1025.9	993.3	960.8
145°	1126.5	1063.8	1056.7	1028.3	1000.0
147.5°	1151.4	1101.2	1094.3	1066.7	1039.1
150°	1164.4	1120.8	1114.5	1089.6	1064.6
152.5°	1173.0	1133.6	1128.9	1109.9	1091.0
155°	1191.7	1161.6	1158.1	1144.1	1130.1
157.5°	1210.5	1189.7	1186.3	1172.7	1159.1
160°	1218.9	1202.4	1199.8	1189.3	1178.7
162.5°	1228.0	1216.1	1214.1	1206.2	1198.3
165°	1241.0	1235.7	1233.8	1226.7	1219.6
167.5°	1251.3	1246.7	1245.9	1242.5	1239.1
170°	1259.8	1259.5	1258.7	1255.2	1251.8
172.5°	1260.4	1260.4	1260.2	1259.4	1258.7
175°	1265.5	1268.0	1268.0	1268.0	1268.0
177.5°	1266.0	1268.0	1268.0	1268.0	1268.0
180°	1268.0	1268.0	1268.0	1268.0	1268.0



TEST NUMBER: P936140
 CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-6-4000K

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	13.60	14.41	14.61	15.43	16.79	16.43	17.23	17.44	18.25	19.61
	3H	14.08	14.80	15.10	15.83	17.21	17.77	18.49	18.79	19.52	20.90
	4H	14.26	14.95	15.30	15.98	17.37	18.21	18.89	19.24	19.92	21.31
	6H	14.38	15.01	15.42	16.05	17.45	18.49	19.12	19.53	20.15	21.55
	8H	14.38	14.98	15.43	16.03	17.43	18.56	19.16	19.61	20.21	21.61
	12H	14.35	14.92	15.40	15.97	17.39	18.60	19.17	19.65	20.21	21.63
4H	2H	14.63	15.31	15.67	16.34	17.73	16.83	17.51	17.87	18.55	19.93
	3H	15.65	16.22	16.70	17.28	18.68	18.33	18.90	19.38	19.96	21.36
	4H	15.92	16.44	16.98	17.50	18.92	18.85	19.38	19.91	20.43	21.85
	6H	16.04	16.49	17.11	17.57	18.99	19.21	19.66	20.28	20.74	22.16
	8H	16.05	16.47	17.11	17.54	18.97	19.32	19.74	20.38	20.80	22.24
	12H	16.01	16.39	17.10	17.47	18.91	19.37	19.75	20.45	20.83	22.27
8H	4H	16.37	16.79	17.44	17.86	19.29	18.97	19.39	20.04	20.46	21.89
	6H	16.63	16.98	17.72	18.09	19.52	19.41	19.75	20.49	20.86	22.29
	8H	16.67	16.98	17.77	18.07	19.52	19.56	19.86	20.65	20.95	22.40
	12H	16.65	16.92	17.75	18.01	19.50	19.65	19.92	20.75	21.01	22.50
12H	4H	16.37	16.75	17.46	17.83	19.27	18.94	19.31	20.02	20.40	21.84
	6H	16.69	16.99	17.79	18.09	19.54	19.40	19.71	20.50	20.80	22.25
	8H	16.75	17.02	17.85	18.11	19.60	19.56	19.83	20.66	20.92	22.41