

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: P936163

Luminaire Tested: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936163
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-93050-1D-UNV-STD-W-6-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

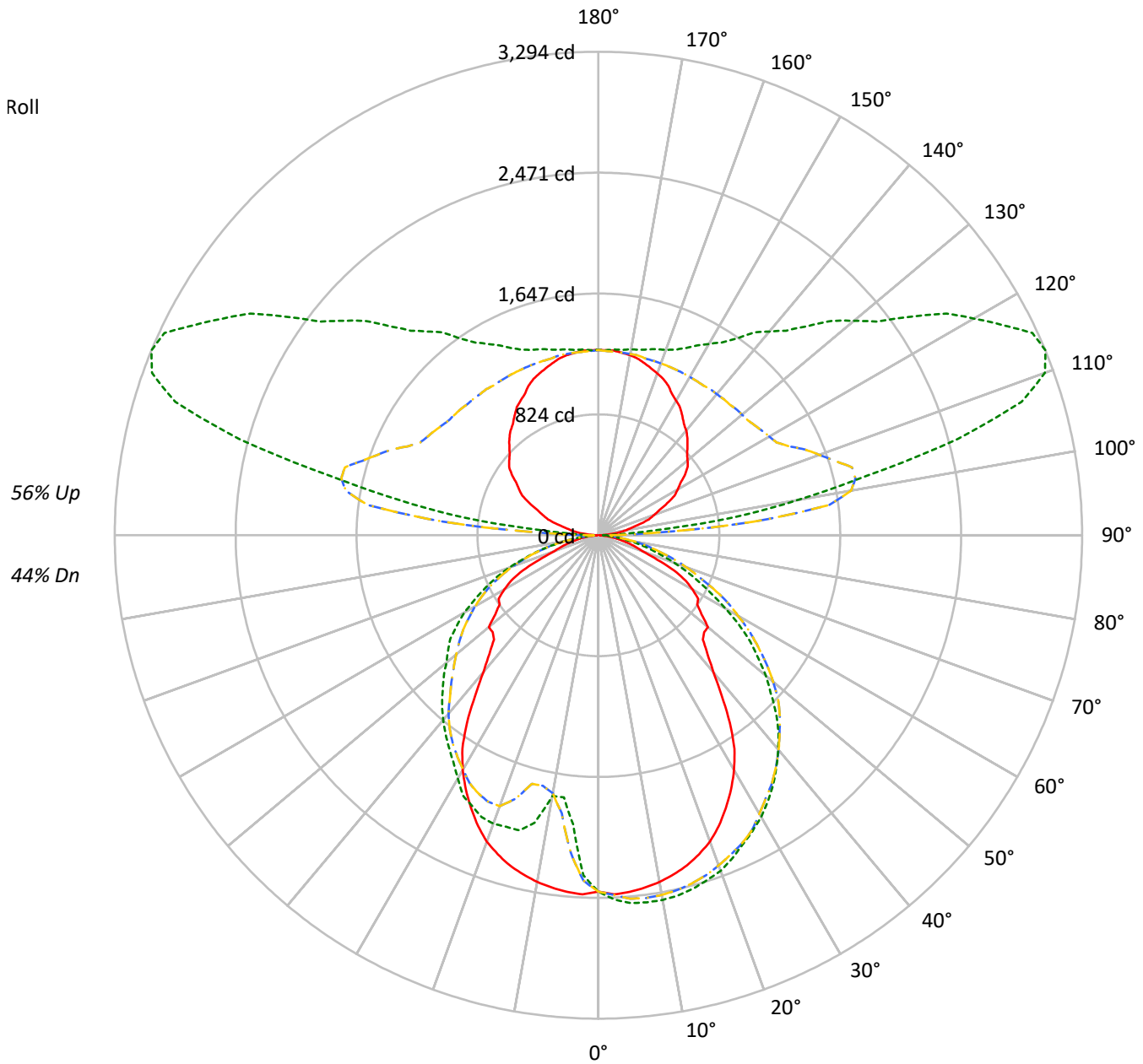
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14480.8 lumens
Efficiency: N/A
Efficacy: 116.0 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

TEST NUMBER: P936163
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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°	15022	15022	15022	15022
5°	15129	15164	15129	11923
10°	15022	14938	15022	10679
15°	14853	14614	14853	12203
20°	14537	14231	14537	12229
25°	13895	13671	13895	11969
30°	13068	13207	13068	11401
35°	11645	12619	11645	10775
40°	9697	11928	9697	10302
45°	8659	11120	8659	9759
50°	9192	10154	9192	9214
55°	8640	9115	8640	8899
60°	8896	7741	8896	8150
65°	8053	6399	8053	7153
70°	5562	5100	5562	5996
75°	4860	3770	4860	4514
80°	3890	2491	3890	2713
85°	2188	1320	2188	1122

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13279 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.2	1.5
10°-20°	622.4	4.3
20°-30°	962.1	6.6
30°-40°	1148.5	7.9
40°-50°	1155.3	8.0
50°-60°	1005.2	6.9
60°-70°	712.7	4.9
70°-80°	377.1	2.6
80°-90°	98.7	0.7
90°-100°	615.1	4.2
100°-110°	1617.0	11.2
110°-120°	1676.7	11.6
120°-130°	1344.9	9.3
130°-140°	1055.3	7.3
140°-150°	810.0	5.6
150°-160°	583.3	4.0
160°-170°	356.9	2.5
170°-180°	120.6	0.8
0°-30°	1803.7	12.5
0°-40°	2952.2	20.4
0°-60°	5112.6	35.3
0°-90°	6301.1	43.5
90°-120°	3908.8	27.0
90°-150°	7118.9	49.2
90°-180°	8180.0	56.5
0°-180°	14480.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2428	2428	2428	2428	2428	
5°	2440	2516	2440	1978	2440	231
15°	2330	2493	2330	2081	2330	655
25°	2052	2325	2052	2036	2052	942
35°	1560	2074	1560	1771	1560	965
45°	1006	1709	1006	1500	1006	806
55°	820	1261	820	1231	820	754
65°	570	760	570	850	570	545
75°	216	361	216	432	216	227
85°	37	92	37	78	37	50
90°	8	32	8	32	8	9
95°	81	372	81	372	81	90
105°	291	2532	291	2532	291	309
115°	517	3260	517	3260	517	511
125°	720	2596	720	2596	720	639
135°	858	2015	858	2015	858	664
145°	995	1634	995	1634	995	623
155°	1125	1407	1125	1407	1125	517
165°	1214	1311	1214	1311	1214	342
175°	1262	1270	1262	1270	1262	120
180°	1262	1262	1262	1262	1262	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4
2.5°	2449.0	2449.0	2462.9	2467.4	2467.4	2460.5	2453.6	2460.5	2481.2	2488.1	2485.8
5°	2439.9	2458.2	2483.5	2488.1	2492.7	2490.4	2485.8	2490.4	2513.4	2518.0	2520.2
7.5°	2421.5	2455.9	2488.1	2495.0	2501.9	2495.0	2492.7	2497.2	2520.2	2524.9	2524.9
10°	2398.5	2446.7	2483.5	2488.1	2495.0	2488.1	2488.1	2497.2	2520.2	2524.9	2527.1
12.5°	2366.4	2433.0	2467.4	2472.0	2481.2	2478.9	2476.6	2485.8	2508.7	2513.4	2513.4
15°	2329.6	2407.6	2439.9	2444.5	2460.5	2455.9	2455.9	2465.1	2490.4	2497.2	2495.0
17.5°	2279.0	2375.5	2412.3	2419.1	2430.6	2428.4	2430.6	2439.9	2462.9	2467.4	2469.7
20°	2221.6	2331.9	2375.5	2382.4	2393.9	2393.9	2393.9	2405.4	2428.4	2437.5	2437.5
22.5°	2143.5	2285.9	2331.9	2336.5	2350.3	2350.3	2354.9	2370.9	2391.6	2393.9	2393.9
25°	2051.5	2235.4	2274.4	2288.2	2302.0	2308.9	2315.8	2325.0	2331.9	2329.6	2331.9
27.5°	1955.1	2171.0	2221.6	2230.8	2249.1	2256.0	2265.3	2267.5	2269.9	2276.8	2272.1
30°	1847.1	2081.4	2157.3	2166.4	2196.3	2200.9	2191.8	2196.3	2207.8	2212.4	2217.0
32.5°	1725.3	1948.2	2090.7	2111.3	2138.9	2125.1	2122.8	2129.7	2148.0	2148.0	2152.7
35°	1560.0	1844.8	2028.6	2047.0	2067.7	2051.5	2060.8	2063.0	2074.5	2081.4	2079.2
37.5°	1378.5	1755.2	1964.3	1978.0	1994.2	1973.4	1987.3	1994.2	2003.3	1998.8	1998.8
40°	1217.6	1615.1	1888.4	1897.7	1911.4	1895.3	1909.2	1913.8	1918.3	1913.8	1911.4
42.5°	1098.1	1461.1	1808.1	1819.6	1810.3	1821.8	1826.4	1835.7	1828.7	1819.6	1819.6
45°	1006.3	1419.8	1720.7	1734.6	1720.7	1739.2	1746.1	1746.1	1725.3	1720.7	1718.4
47.5°	976.4	1337.1	1633.5	1633.5	1626.6	1649.6	1661.1	1644.9	1624.2	1617.3	1617.3
50°	974.1	1245.2	1514.0	1504.8	1537.0	1564.6	1553.1	1537.0	1520.9	1495.6	1495.6
52.5°	884.5	1132.6	1360.1	1394.5	1445.1	1461.1	1442.7	1426.7	1399.1	1387.6	1378.5
55°	820.2	1015.4	1219.9	1288.9	1341.7	1362.4	1327.9	1311.8	1270.5	1263.6	1259.0
57.5°	806.4	845.4	1091.3	1178.6	1242.9	1240.6	1219.9	1190.0	1155.6	1148.7	1146.4
60°	739.8	611.1	953.4	1056.8	1123.4	1116.5	1098.1	1070.6	1038.4	1033.9	1029.3
62.5°	670.8	443.4	797.2	914.4	1008.5	1006.3	990.2	948.8	925.9	914.4	905.2
65°	569.8	372.2	567.4	760.4	896.0	900.5	866.1	836.3	811.0	797.2	794.9
67.5°	434.2	303.2	383.7	634.1	788.0	783.4	739.8	725.9	693.8	686.9	673.2
70°	321.6	202.2	266.5	514.6	682.3	670.8	636.4	620.3	590.4	574.3	565.2
72.5°	266.5	163.1	195.2	399.7	574.3	560.6	530.7	512.3	487.1	473.3	464.1
75°	216.0	172.3	149.4	296.3	466.3	457.2	429.6	411.2	390.6	372.2	374.5
77.5°	158.5	160.8	119.5	218.2	369.8	356.1	340.0	317.1	307.8	289.5	289.5
80°	119.5	126.4	89.6	149.4	266.5	266.5	252.7	236.6	220.6	211.4	211.4
82.5°	80.4	80.4	66.6	94.2	181.5	174.6	165.4	160.8	151.6	147.0	147.0
85°	36.7	46.0	41.4	57.5	98.8	103.4	103.4	98.8	96.5	91.9	94.2
87.5°	11.5	20.6	25.3	32.1	50.5	52.9	55.1	55.1	55.1	57.5	57.5
90°	8.5	15.3	22.0	23.7	37.3	55.3	64.4	57.2	42.9	32.2	32.2
92.5°	33.9	91.4	149.1	163.5	229.8	318.3	362.4	317.6	228.1	160.9	154.5
95°	81.3	186.6	292.1	318.4	565.5	894.8	1059.4	945.4	717.2	546.2	526.8
97.5°	140.6	233.5	326.5	349.8	761.6	1310.8	1585.3	1513.2	1369.1	1261.0	1224.0
100°	186.3	270.6	354.9	376.0	833.0	1442.4	1747.1	1752.3	1762.9	1770.8	1726.9
102.5°	225.3	304.0	382.6	402.3	865.8	1483.7	1792.8	1884.5	2068.2	2206.0	2168.3
105°	291.3	357.9	424.5	441.2	890.0	1488.4	1787.7	1993.5	2405.3	2714.1	2693.8
107.5°	359.1	421.2	483.3	498.7	894.5	1422.2	1686.0	1973.3	2547.6	2978.3	2983.2
110°	404.8	460.9	516.9	531.0	887.8	1363.4	1601.3	1922.4	2564.5	3046.0	3067.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	449.7	503.1	556.5	569.9	888.1	1312.2	1524.3	1852.9	2510.0	3002.9	3035.3
115°	517.4	566.7	616.1	628.4	896.2	1253.4	1432.0	1748.5	2381.6	2856.3	2901.2
117.5°	584.3	629.1	673.9	685.1	912.9	1216.6	1368.5	1654.2	2225.4	2653.9	2703.7
120°	623.3	665.5	707.7	718.2	926.4	1204.2	1343.1	1604.1	2126.1	2517.6	2566.0
122.5°	661.4	703.9	746.5	757.1	945.9	1197.7	1323.6	1558.7	2028.7	2381.3	2429.0
125°	719.8	758.5	797.4	807.0	972.1	1192.4	1302.4	1502.1	1901.4	2200.9	2244.8
127.5°	767.2	806.3	845.5	855.3	998.4	1189.2	1284.6	1456.0	1798.9	2056.1	2093.2
130°	792.6	834.8	877.0	887.5	1017.7	1191.2	1277.9	1430.5	1735.7	1964.7	1998.9
132.5°	818.9	861.1	903.3	913.8	1033.2	1192.4	1271.9	1408.5	1681.8	1886.7	1917.4
135°	857.8	896.2	934.7	944.3	1050.1	1191.2	1261.8	1376.2	1605.0	1776.7	1803.1
137.5°	897.6	935.7	973.7	983.2	1075.5	1198.5	1260.1	1356.8	1550.3	1695.4	1717.0
140°	930.7	965.7	1000.7	1009.4	1091.0	1199.8	1254.2	1337.7	1504.8	1630.2	1650.4
142.5°	956.0	988.4	1020.8	1028.9	1104.0	1204.1	1254.2	1327.6	1474.3	1584.4	1601.8
145°	995.0	1023.3	1051.5	1058.6	1121.0	1204.1	1245.7	1305.7	1425.8	1515.9	1529.0
147.5°	1034.0	1061.5	1088.9	1095.8	1145.8	1212.4	1245.7	1292.9	1387.3	1458.2	1469.2
150°	1059.4	1084.2	1109.0	1115.2	1158.7	1216.7	1245.7	1285.6	1365.3	1425.2	1434.0
152.5°	1085.7	1104.5	1123.3	1128.0	1167.2	1219.5	1245.7	1279.7	1347.9	1398.9	1405.6
155°	1124.6	1138.5	1152.5	1155.9	1185.9	1225.8	1245.7	1272.7	1327.0	1367.6	1372.0
157.5°	1153.4	1166.9	1180.5	1183.9	1204.5	1231.9	1245.7	1266.8	1309.0	1340.5	1343.6
160°	1172.9	1183.4	1193.9	1196.5	1212.9	1234.7	1245.7	1263.8	1299.9	1327.0	1328.8
162.5°	1192.4	1200.2	1208.1	1210.1	1222.0	1237.8	1245.7	1260.9	1291.4	1314.3	1316.0
165°	1213.5	1220.7	1227.8	1229.6	1234.9	1242.1	1245.7	1256.6	1278.4	1294.8	1296.6
167.5°	1233.0	1236.4	1239.8	1240.6	1245.1	1251.2	1254.2	1261.3	1275.6	1286.3	1287.0
170°	1245.7	1249.0	1252.5	1253.3	1253.6	1254.0	1254.2	1261.3	1275.6	1286.3	1286.3
172.5°	1252.5	1253.2	1254.0	1254.2	1254.2	1254.2	1254.2	1259.8	1271.1	1279.5	1278.9
175°	1261.8	1261.8	1261.8	1261.8	1259.3	1255.9	1254.2	1257.7	1264.9	1270.2	1270.2
177.5°	1261.8	1261.8	1261.8	1261.8	1259.8	1257.2	1255.8	1258.6	1264.3	1268.6	1267.9
180°	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4
2.5°	2490.4	2483.5	2490.4	2485.8	2488.1	2481.2	2460.5	2453.6	2460.5	2467.4	2467.4
5°	2520.2	2515.6	2520.2	2520.2	2518.0	2513.4	2490.4	2485.8	2490.4	2492.7	2488.1
7.5°	2529.5	2522.6	2529.5	2524.9	2524.9	2520.2	2497.2	2492.7	2495.0	2501.9	2495.0
10°	2529.5	2522.6	2529.5	2527.1	2524.9	2520.2	2497.2	2488.1	2488.1	2495.0	2488.1
12.5°	2518.0	2513.4	2518.0	2513.4	2513.4	2508.7	2485.8	2476.6	2478.9	2481.2	2472.0
15°	2499.6	2492.7	2499.6	2495.0	2497.2	2490.4	2465.1	2455.9	2455.9	2460.5	2444.5
17.5°	2472.0	2462.9	2472.0	2469.7	2467.4	2462.9	2439.9	2430.6	2428.4	2430.6	2419.1
20°	2439.9	2433.0	2439.9	2437.5	2437.5	2428.4	2405.4	2393.9	2393.9	2393.9	2382.4
22.5°	2389.3	2382.4	2389.3	2393.9	2393.9	2391.6	2370.9	2354.9	2350.3	2350.3	2336.5
25°	2331.9	2325.0	2331.9	2331.9	2329.6	2331.9	2325.0	2315.8	2308.9	2302.0	2288.2
27.5°	2276.8	2272.1	2276.8	2272.1	2276.8	2269.9	2267.5	2265.3	2256.0	2249.1	2230.8
30°	2221.6	2217.0	2221.6	2217.0	2212.4	2207.8	2196.3	2191.8	2200.9	2196.3	2166.4
32.5°	2152.7	2148.0	2152.7	2152.7	2148.0	2148.0	2129.7	2122.8	2125.1	2138.9	2111.3
35°	2081.4	2074.5	2081.4	2079.2	2081.4	2074.5	2063.0	2060.8	2051.5	2067.7	2047.0
37.5°	1998.8	1991.8	1998.8	1998.8	1998.8	2003.3	1994.2	1987.3	1973.4	1994.2	1978.0
40°	1913.8	1904.5	1913.8	1911.4	1913.8	1918.3	1913.8	1909.2	1895.3	1911.4	1897.7
42.5°	1817.3	1814.9	1817.3	1819.6	1819.6	1828.7	1835.7	1826.4	1821.8	1810.3	1819.6
45°	1713.8	1709.3	1713.8	1718.4	1720.7	1725.3	1746.1	1746.1	1739.2	1720.7	1734.6
47.5°	1603.6	1592.1	1603.6	1617.3	1617.3	1624.2	1644.9	1661.1	1649.6	1626.6	1633.5
50°	1486.5	1488.7	1486.5	1495.6	1495.6	1520.9	1537.0	1553.1	1564.6	1537.0	1504.8
52.5°	1371.6	1369.2	1371.6	1378.5	1387.6	1399.1	1426.7	1442.7	1461.1	1445.1	1394.5
55°	1256.6	1261.3	1256.6	1259.0	1263.6	1270.5	1311.8	1327.9	1362.4	1341.7	1288.9
57.5°	1141.8	1134.9	1141.8	1146.4	1148.7	1155.6	1190.0	1219.9	1240.6	1242.9	1178.6
60°	1008.5	999.4	1008.5	1029.3	1033.9	1038.4	1070.6	1098.1	1116.5	1123.4	1056.8
62.5°	891.4	875.3	891.4	905.2	914.4	925.9	948.8	990.2	1006.3	1008.5	914.4
65°	767.3	760.4	767.3	794.9	797.2	811.0	836.3	866.1	900.5	896.0	760.4
67.5°	654.8	654.8	654.8	673.2	686.9	693.8	725.9	739.8	783.4	788.0	634.1
70°	551.3	549.1	551.3	565.2	574.3	590.4	620.3	636.4	670.8	682.3	514.6
72.5°	452.6	450.3	452.6	464.1	473.3	487.1	512.3	530.7	560.6	574.3	399.7
75°	365.3	360.7	365.3	374.5	372.2	390.6	411.2	429.6	457.2	466.3	296.3
77.5°	280.3	280.3	280.3	289.5	289.5	307.8	317.1	340.0	356.1	369.8	218.2
80°	209.1	206.7	209.1	211.4	211.4	220.6	236.6	252.7	266.5	266.5	149.4
82.5°	147.0	142.5	147.0	147.0	147.0	151.6	160.8	165.4	174.6	181.5	94.2
85°	91.9	91.9	91.9	94.2	91.9	96.5	98.8	103.4	103.4	98.8	57.5
87.5°	59.7	57.5	59.7	57.5	57.5	55.1	55.1	55.1	52.9	50.5	32.1
90°	32.2	32.2	32.2	32.2	32.2	42.9	57.2	64.4	55.3	37.3	23.7
92.5°	128.9	103.3	128.9	154.5	160.9	228.1	317.6	362.4	318.3	229.8	163.5
95°	449.2	371.7	449.2	526.8	546.2	717.2	945.4	1059.4	894.8	565.5	318.4
97.5°	1076.5	929.0	1076.5	1224.0	1261.0	1369.1	1513.2	1585.3	1310.8	761.6	349.8
100°	1551.1	1375.3	1551.1	1726.9	1770.8	1762.9	1752.3	1747.1	1442.4	833.0	376.0
102.5°	2017.8	1867.3	2017.8	2168.3	2206.0	2068.2	1884.5	1792.8	1483.7	865.8	402.3
105°	2612.9	2532.0	2612.9	2693.8	2714.1	2405.3	1993.5	1787.7	1488.4	890.0	441.2
107.5°	3002.8	3022.3	3002.8	2983.2	2978.3	2547.6	1973.3	1686.0	1422.2	894.5	498.7
110°	3151.4	3235.8	3151.4	3067.1	3046.0	2564.5	1922.4	1601.3	1363.4	887.8	531.0



TEST NUMBER: P936163

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3164.7	3294.2	3164.7	3035.3	3002.9	2510.0	1852.9	1524.3	1312.2	888.1	569.9
115°	3080.7	3260.3	3080.7	2901.2	2856.3	2381.6	1748.5	1432.0	1253.4	896.2	628.4
117.5°	2902.9	3102.0	2902.9	2703.7	2653.9	2225.4	1654.2	1368.5	1216.6	912.9	685.1
120°	2759.5	2952.9	2759.5	2566.0	2517.6	2126.1	1604.1	1343.1	1204.2	926.4	718.2
122.5°	2619.8	2810.6	2619.8	2429.0	2381.3	2028.7	1558.7	1323.6	1197.7	945.9	757.1
125°	2420.6	2596.4	2420.6	2244.8	2200.9	1901.4	1502.1	1302.4	1192.4	972.1	807.0
127.5°	2241.5	2389.8	2241.5	2093.2	2056.1	1798.9	1456.0	1284.6	1189.2	998.4	855.3
130°	2135.9	2272.9	2135.9	1998.9	1964.7	1735.7	1430.5	1277.9	1191.2	1017.7	887.5
132.5°	2040.1	2162.8	2040.1	1917.4	1886.7	1681.8	1408.5	1271.9	1192.4	1033.2	913.8
135°	1908.9	2014.6	1908.9	1803.1	1776.7	1605.0	1376.2	1261.8	1191.2	1050.1	944.3
137.5°	1803.6	1890.2	1803.6	1717.0	1695.4	1550.3	1356.8	1260.1	1198.5	1075.5	983.2
140°	1731.3	1812.2	1731.3	1650.4	1630.2	1504.8	1337.7	1254.2	1199.8	1091.0	1009.4
142.5°	1671.5	1741.1	1671.5	1601.8	1584.4	1474.3	1327.6	1254.2	1204.1	1104.0	1028.9
145°	1581.7	1634.4	1581.7	1529.0	1515.9	1425.8	1305.7	1245.7	1204.1	1121.0	1058.6
147.5°	1512.8	1556.5	1512.8	1469.2	1458.2	1387.3	1292.9	1245.7	1212.4	1145.8	1095.8
150°	1469.4	1504.8	1469.4	1434.0	1425.2	1365.3	1285.6	1245.7	1216.7	1158.7	1115.2
152.5°	1432.3	1459.1	1432.3	1405.6	1398.9	1347.9	1279.7	1245.7	1219.5	1167.2	1128.0
155°	1389.7	1407.4	1389.7	1372.0	1367.6	1327.0	1272.7	1245.7	1225.8	1185.9	1155.9
157.5°	1356.1	1368.5	1356.1	1343.6	1340.5	1309.0	1266.8	1245.7	1231.9	1204.5	1183.9
160°	1335.9	1343.1	1335.9	1328.8	1327.0	1299.9	1263.8	1245.7	1234.7	1212.9	1196.5
162.5°	1322.7	1329.5	1322.7	1316.0	1314.3	1291.4	1260.9	1245.7	1237.8	1222.0	1210.1
165°	1303.7	1310.9	1303.7	1296.6	1294.8	1278.4	1256.6	1245.7	1242.1	1234.9	1229.6
167.5°	1290.1	1293.1	1290.1	1287.0	1286.3	1275.6	1261.3	1254.2	1251.2	1245.1	1240.6
170°	1286.3	1286.3	1286.3	1286.3	1286.3	1275.6	1261.3	1254.2	1254.0	1253.6	1253.3
172.5°	1276.3	1273.7	1276.3	1278.9	1279.5	1271.1	1259.8	1254.2	1254.2	1254.2	1254.2
175°	1270.2	1270.2	1270.2	1270.2	1270.2	1264.9	1257.7	1254.2	1255.9	1259.3	1261.8
177.5°	1264.8	1261.8	1264.8	1267.9	1268.6	1264.3	1258.6	1255.8	1257.2	1259.8	1261.8
180°	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8



TEST NUMBER: P936163

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4
2.5°	2462.9	2449.0	2449.0	2426.1	2416.9	2410.0	2398.5	2364.0	2354.9	2345.6	2359.4
5°	2483.5	2458.2	2439.9	2398.5	2364.0	2350.3	2306.6	2223.9	2168.8	2127.4	2104.4
7.5°	2488.1	2455.9	2421.5	2357.1	2274.4	2237.6	2104.4	1952.8	1911.4	1874.7	1851.7
10°	2483.5	2446.7	2398.5	2302.0	2106.8	2042.4	1909.2	1810.3	1785.1	1778.2	1785.1
12.5°	2467.4	2433.0	2366.4	2205.5	1932.2	1888.4	1810.3	1752.9	1748.3	1759.8	1821.8
15°	2439.9	2407.6	2329.6	2076.9	1835.7	1803.4	1748.3	1727.7	1752.9	1833.3	2019.4
17.5°	2412.3	2375.5	2279.0	1950.5	1762.1	1739.2	1700.1	1741.4	1883.9	1991.8	2053.9
20°	2375.5	2331.9	2221.6	1858.6	1709.3	1688.6	1670.2	1856.3	1964.3	2003.3	2037.8
22.5°	2331.9	2285.9	2143.5	1794.3	1654.1	1638.1	1649.6	1920.7	1964.3	1991.8	2021.7
25°	2274.4	2235.4	2051.5	1743.7	1610.5	1592.1	1635.7	1913.8	1939.0	1945.9	2005.7
27.5°	2221.6	2171.0	1955.1	1697.8	1557.6	1550.7	1647.2	1883.9	1902.3	1909.2	1973.4
30°	2157.3	2081.4	1847.1	1649.6	1502.5	1500.2	1649.6	1847.1	1842.5	1860.9	1925.2
32.5°	2090.7	1948.2	1725.3	1589.8	1449.7	1447.4	1633.5	1791.9	1787.4	1812.7	1860.9
35°	2028.6	1844.8	1560.0	1520.9	1383.0	1385.3	1594.4	1727.7	1729.9	1752.9	1782.8
37.5°	1964.3	1755.2	1378.5	1445.1	1318.7	1318.7	1541.6	1667.9	1663.3	1670.2	1711.6
40°	1888.4	1615.1	1217.6	1346.2	1259.0	1252.1	1477.2	1603.6	1587.5	1585.2	1642.7
42.5°	1808.1	1461.1	1098.1	1215.4	1190.0	1180.9	1399.1	1525.5	1495.6	1502.5	1576.0
45°	1720.7	1419.8	1006.3	1026.9	1118.9	1111.9	1314.1	1435.9	1415.2	1433.6	1509.4
47.5°	1633.5	1337.1	976.4	852.3	1043.0	1040.8	1219.9	1348.6	1337.1	1355.5	1435.9
50°	1514.0	1245.2	974.1	730.6	958.0	967.2	1107.4	1263.6	1263.6	1279.6	1364.6
52.5°	1360.1	1132.6	884.5	661.7	859.3	886.8	1008.5	1190.0	1194.6	1210.7	1286.5
55°	1219.9	1015.4	820.2	608.8	742.1	801.8	912.0	1114.3	1123.4	1139.5	1208.4
57.5°	1091.3	845.4	806.4	546.8	634.1	691.5	827.0	1040.8	1045.3	1059.1	1125.7
60°	953.4	611.1	739.8	480.2	539.9	583.6	748.9	953.4	969.5	978.7	1036.1
62.5°	797.2	443.4	670.8	434.2	493.9	503.1	684.7	870.7	891.4	898.3	932.8
65°	567.4	372.2	569.8	395.2	445.7	448.0	615.7	785.7	804.1	815.6	840.9
67.5°	383.7	303.2	434.2	358.4	409.0	411.2	549.1	686.9	712.2	721.4	737.4
70°	266.5	202.2	321.6	319.3	367.6	372.2	477.8	597.3	620.3	627.2	636.4
72.5°	195.2	163.1	266.5	287.2	324.0	328.6	404.3	496.2	519.2	526.1	530.7
75°	149.4	172.3	216.0	250.5	275.7	278.0	330.8	404.3	420.4	425.1	427.3
77.5°	119.5	160.8	158.5	202.2	225.1	220.6	259.6	312.5	326.2	326.2	326.2
80°	89.6	126.4	119.5	144.7	165.4	160.8	186.1	222.9	227.5	232.0	229.7
82.5°	66.6	80.4	80.4	91.9	110.2	105.7	124.1	144.7	144.7	144.7	149.4
85°	41.4	46.0	36.7	48.2	62.0	59.7	68.9	78.1	80.4	80.4	75.9
87.5°	25.3	20.6	11.5	18.4	27.6	27.6	32.1	34.5	32.1	32.1	32.1
90°	22.0	15.3	8.5	15.3	22.0	23.7	37.3	55.3	64.4	57.2	42.9
92.5°	149.1	91.4	33.9	91.4	149.1	163.5	229.8	318.3	362.4	317.6	228.1
95°	292.1	186.6	81.3	186.6	292.1	318.4	565.5	894.8	1059.4	945.4	717.2
97.5°	326.5	233.5	140.6	233.5	326.5	349.8	761.6	1310.8	1585.3	1513.2	1369.1
100°	354.9	270.6	186.3	270.6	354.9	376.0	833.0	1442.4	1747.1	1752.3	1762.9
102.5°	382.6	304.0	225.3	304.0	382.6	402.3	865.8	1483.7	1792.8	1884.5	2068.2
105°	424.5	357.9	291.3	357.9	424.5	441.2	890.0	1488.4	1787.7	1993.5	2405.3
107.5°	483.3	421.2	359.1	421.2	483.3	498.7	894.5	1422.2	1686.0	1973.3	2547.6
110°	516.9	460.9	404.8	460.9	516.9	531.0	887.8	1363.4	1601.3	1922.4	2564.5



TEST NUMBER: P936163

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	556.5	503.1	449.7	503.1	556.5	569.9	888.1	1312.2	1524.3	1852.9	2510.0
115°	616.1	566.7	517.4	566.7	616.1	628.4	896.2	1253.4	1432.0	1748.5	2381.6
117.5°	673.9	629.1	584.3	629.1	673.9	685.1	912.9	1216.6	1368.5	1654.2	2225.4
120°	707.7	665.5	623.3	665.5	707.7	718.2	926.4	1204.2	1343.1	1604.1	2126.1
122.5°	746.5	703.9	661.4	703.9	746.5	757.1	945.9	1197.7	1323.6	1558.7	2028.7
125°	797.4	758.5	719.8	758.5	797.4	807.0	972.1	1192.4	1302.4	1502.1	1901.4
127.5°	845.5	806.3	767.2	806.3	845.5	855.3	998.4	1189.2	1284.6	1456.0	1798.9
130°	877.0	834.8	792.6	834.8	877.0	887.5	1017.7	1191.2	1277.9	1430.5	1735.7
132.5°	903.3	861.1	818.9	861.1	903.3	913.8	1033.2	1192.4	1271.9	1408.5	1681.8
135°	934.7	896.2	857.8	896.2	934.7	944.3	1050.1	1191.2	1261.8	1376.2	1605.0
137.5°	973.7	935.7	897.6	935.7	973.7	983.2	1075.5	1198.5	1260.1	1356.8	1550.3
140°	1000.7	965.7	930.7	965.7	1000.7	1009.4	1091.0	1199.8	1254.2	1337.7	1504.8
142.5°	1020.8	988.4	956.0	988.4	1020.8	1028.9	1104.0	1204.1	1254.2	1327.6	1474.3
145°	1051.5	1023.3	995.0	1023.3	1051.5	1058.6	1121.0	1204.1	1245.7	1305.7	1425.8
147.5°	1088.9	1061.5	1034.0	1061.5	1088.9	1095.8	1145.8	1212.4	1245.7	1292.9	1387.3
150°	1109.0	1084.2	1059.4	1084.2	1109.0	1115.2	1158.7	1216.7	1245.7	1285.6	1365.3
152.5°	1123.3	1104.5	1085.7	1104.5	1123.3	1128.0	1167.2	1219.5	1245.7	1279.7	1347.9
155°	1152.5	1138.5	1124.6	1138.5	1152.5	1155.9	1185.9	1225.8	1245.7	1272.7	1327.0
157.5°	1180.5	1166.9	1153.4	1166.9	1180.5	1183.9	1204.5	1231.9	1245.7	1266.8	1309.0
160°	1193.9	1183.4	1172.9	1183.4	1193.9	1196.5	1212.9	1234.7	1245.7	1263.8	1299.9
162.5°	1208.1	1200.2	1192.4	1200.2	1208.1	1210.1	1222.0	1237.8	1245.7	1260.9	1291.4
165°	1227.8	1220.7	1213.5	1220.7	1227.8	1229.6	1234.9	1242.1	1245.7	1256.6	1278.4
167.5°	1239.8	1236.4	1233.0	1236.4	1239.8	1240.6	1245.1	1251.2	1254.2	1261.3	1275.6
170°	1252.5	1249.0	1245.7	1249.0	1252.5	1253.3	1253.6	1254.0	1254.2	1261.3	1275.6
172.5°	1254.0	1253.2	1252.5	1253.2	1254.0	1254.2	1254.2	1254.2	1254.2	1259.8	1271.1
175°	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1259.3	1255.9	1254.2	1257.7	1264.9
177.5°	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1259.8	1257.2	1255.8	1258.6	1264.3
180°	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8



TEST NUMBER: P936163
CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4
2.5°	2343.4	2336.5	2345.6	2320.4	2345.6	2336.5	2343.4	2359.4	2345.6	2354.9	2364.0
5°	2056.2	2044.7	2007.9	1978.0	2007.9	2044.7	2056.2	2104.4	2127.4	2168.8	2223.9
7.5°	1837.9	1828.7	1819.6	1801.2	1819.6	1828.7	1837.9	1851.7	1874.7	1911.4	1952.8
10°	1789.7	1791.9	1805.8	1803.4	1805.8	1791.9	1789.7	1785.1	1778.2	1785.1	1810.3
12.5°	1913.8	1934.4	2010.3	2005.7	2010.3	1934.4	1913.8	1821.8	1759.8	1748.3	1752.9
15°	2056.2	2063.0	2079.2	2081.4	2079.2	2063.0	2056.2	2019.4	1833.3	1752.9	1727.7
17.5°	2069.9	2072.3	2083.8	2083.8	2083.8	2072.3	2069.9	2053.9	1991.8	1883.9	1741.4
20°	2058.5	2063.0	2086.0	2090.7	2086.0	2063.0	2058.5	2037.8	2003.3	1964.3	1856.3
22.5°	2053.9	2063.0	2081.4	2079.2	2081.4	2063.0	2053.9	2021.7	1991.8	1964.3	1920.7
25°	2030.9	2030.9	2033.2	2035.5	2033.2	2030.9	2030.9	2005.7	1945.9	1939.0	1913.8
27.5°	1982.7	1987.3	2001.0	1998.8	2001.0	1987.3	1982.7	1973.4	1909.2	1902.3	1883.9
30°	1939.0	1934.4	1922.9	1913.8	1922.9	1934.4	1939.0	1925.2	1860.9	1842.5	1847.1
32.5°	1865.5	1854.0	1842.5	1835.7	1842.5	1854.0	1865.5	1860.9	1812.7	1787.4	1791.9
35°	1778.2	1780.5	1778.2	1771.3	1778.2	1780.5	1778.2	1782.8	1752.9	1729.9	1727.7
37.5°	1716.2	1720.7	1718.4	1709.3	1718.4	1720.7	1716.2	1711.6	1670.2	1663.3	1667.9
40°	1651.8	1654.1	1651.8	1644.9	1651.8	1654.1	1651.8	1642.7	1585.2	1587.5	1603.6
42.5°	1589.8	1587.5	1580.6	1576.0	1580.6	1587.5	1589.8	1576.0	1502.5	1495.6	1525.5
45°	1518.6	1520.9	1507.1	1500.2	1507.1	1520.9	1518.6	1509.4	1433.6	1415.2	1435.9
47.5°	1447.4	1447.4	1435.9	1429.0	1435.9	1447.4	1447.4	1435.9	1355.5	1337.1	1348.6
50°	1371.6	1369.2	1353.2	1350.9	1353.2	1369.2	1371.6	1364.6	1279.6	1263.6	1263.6
52.5°	1284.2	1284.2	1286.5	1291.1	1286.5	1284.2	1284.2	1286.5	1210.7	1194.6	1190.0
55°	1208.4	1210.7	1226.9	1231.4	1226.9	1210.7	1208.4	1208.4	1139.5	1123.4	1114.3
57.5°	1130.4	1130.4	1141.8	1141.8	1141.8	1130.4	1130.4	1125.7	1059.1	1045.3	1040.8
60°	1040.8	1045.3	1054.5	1052.2	1054.5	1045.3	1040.8	1036.1	978.7	969.5	953.4
62.5°	946.5	951.1	953.4	948.8	953.4	951.1	946.5	932.8	898.3	891.4	870.7
65°	847.8	852.3	854.7	850.0	854.7	852.3	847.8	840.9	815.6	804.1	785.7
67.5°	746.7	744.3	742.1	751.3	742.1	744.3	746.7	737.4	721.4	712.2	686.9
70°	643.3	643.3	640.9	645.6	640.9	643.3	643.3	636.4	627.2	620.3	597.3
72.5°	533.0	530.7	539.9	533.0	539.9	530.7	533.0	530.7	526.1	519.2	496.2
75°	425.1	429.6	425.1	431.9	425.1	429.6	425.1	427.3	425.1	420.4	404.3
77.5°	324.0	328.6	324.0	324.0	324.0	328.6	324.0	326.2	326.2	326.2	312.5
80°	229.7	227.5	227.5	225.1	227.5	227.5	229.7	229.7	232.0	227.5	222.9
82.5°	147.0	144.7	144.7	149.4	144.7	144.7	147.0	149.4	144.7	144.7	144.7
85°	80.4	82.7	78.1	78.1	78.1	82.7	80.4	75.9	80.4	80.4	78.1
87.5°	29.9	27.6	27.6	27.6	27.6	27.6	29.9	32.1	32.1	32.1	34.5
90°	32.2	32.2	32.2	32.2	32.2	32.2	32.2	42.9	57.2	64.4	55.3
92.5°	160.9	154.5	128.9	103.3	128.9	154.5	160.9	228.1	317.6	362.4	318.3
95°	546.2	526.8	449.2	371.7	449.2	526.8	546.2	717.2	945.4	1059.4	894.8
97.5°	1261.0	1224.0	1076.5	929.0	1076.5	1224.0	1261.0	1369.1	1513.2	1585.3	1310.8
100°	1770.8	1726.9	1551.1	1375.3	1551.1	1726.9	1770.8	1762.9	1752.3	1747.1	1442.4
102.5°	2206.0	2168.3	2017.8	1867.3	2017.8	2168.3	2206.0	2068.2	1884.5	1792.8	1483.7
105°	2714.1	2693.8	2612.9	2532.0	2612.9	2693.8	2714.1	2405.3	1993.5	1787.7	1488.4
107.5°	2978.3	2983.2	3002.8	3022.3	3002.8	2983.2	2978.3	2547.6	1973.3	1686.0	1422.2
110°	3046.0	3067.1	3151.4	3235.8	3151.4	3067.1	3046.0	2564.5	1922.4	1601.3	1363.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3002.9	3035.3	3164.7	3294.2	3164.7	3035.3	3002.9	2510.0	1852.9	1524.3	1312.2
115°	2856.3	2901.2	3080.7	3260.3	3080.7	2901.2	2856.3	2381.6	1748.5	1432.0	1253.4
117.5°	2653.9	2703.7	2902.9	3102.0	2902.9	2703.7	2653.9	2225.4	1654.2	1368.5	1216.6
120°	2517.6	2566.0	2759.5	2952.9	2759.5	2566.0	2517.6	2126.1	1604.1	1343.1	1204.2
122.5°	2381.3	2429.0	2619.8	2810.6	2619.8	2429.0	2381.3	2028.7	1558.7	1323.6	1197.7
125°	2200.9	2244.8	2420.6	2596.4	2420.6	2244.8	2200.9	1901.4	1502.1	1302.4	1192.4
127.5°	2056.1	2093.2	2241.5	2389.8	2241.5	2093.2	2056.1	1798.9	1456.0	1284.6	1189.2
130°	1964.7	1998.9	2135.9	2272.9	2135.9	1998.9	1964.7	1735.7	1430.5	1277.9	1191.2
132.5°	1886.7	1917.4	2040.1	2162.8	2040.1	1917.4	1886.7	1681.8	1408.5	1271.9	1192.4
135°	1776.7	1803.1	1908.9	2014.6	1908.9	1803.1	1776.7	1605.0	1376.2	1261.8	1191.2
137.5°	1695.4	1717.0	1803.6	1890.2	1803.6	1717.0	1695.4	1550.3	1356.8	1260.1	1198.5
140°	1630.2	1650.4	1731.3	1812.2	1731.3	1650.4	1630.2	1504.8	1337.7	1254.2	1199.8
142.5°	1584.4	1601.8	1671.5	1741.1	1671.5	1601.8	1584.4	1474.3	1327.6	1254.2	1204.1
145°	1515.9	1529.0	1581.7	1634.4	1581.7	1529.0	1515.9	1425.8	1305.7	1245.7	1204.1
147.5°	1458.2	1469.2	1512.8	1556.5	1512.8	1469.2	1458.2	1387.3	1292.9	1245.7	1212.4
150°	1425.2	1434.0	1469.4	1504.8	1469.4	1434.0	1425.2	1365.3	1285.6	1245.7	1216.7
152.5°	1398.9	1405.6	1432.3	1459.1	1432.3	1405.6	1398.9	1347.9	1279.7	1245.7	1219.5
155°	1367.6	1372.0	1389.7	1407.4	1389.7	1372.0	1367.6	1327.0	1272.7	1245.7	1225.8
157.5°	1340.5	1343.6	1356.1	1368.5	1356.1	1343.6	1340.5	1309.0	1266.8	1245.7	1231.9
160°	1327.0	1328.8	1335.9	1343.1	1335.9	1328.8	1327.0	1299.9	1263.8	1245.7	1234.7
162.5°	1314.3	1316.0	1322.7	1329.5	1322.7	1316.0	1314.3	1291.4	1260.9	1245.7	1237.8
165°	1294.8	1296.6	1303.7	1310.9	1303.7	1296.6	1294.8	1278.4	1256.6	1245.7	1242.1
167.5°	1286.3	1287.0	1290.1	1293.1	1290.1	1287.0	1286.3	1275.6	1261.3	1254.2	1251.2
170°	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1275.6	1261.3	1254.2	1254.0
172.5°	1279.5	1278.9	1276.3	1273.7	1276.3	1278.9	1279.5	1271.1	1259.8	1254.2	1254.2
175°	1270.2	1270.2	1270.2	1270.2	1270.2	1270.2	1270.2	1264.9	1257.7	1254.2	1255.9
177.5°	1268.6	1267.9	1264.8	1261.8	1264.8	1267.9	1268.6	1264.3	1258.6	1255.8	1257.2
180°	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2428.4	2428.4	2428.4	2428.4	2428.4
2.5°	2398.5	2410.0	2416.9	2426.1	2449.0
5°	2306.6	2350.3	2364.0	2398.5	2439.9
7.5°	2104.4	2237.6	2274.4	2357.1	2421.5
10°	1909.2	2042.4	2106.8	2302.0	2398.5
12.5°	1810.3	1888.4	1932.2	2205.5	2366.4
15°	1748.3	1803.4	1835.7	2076.9	2329.6
17.5°	1700.1	1739.2	1762.1	1950.5	2279.0
20°	1670.2	1688.6	1709.3	1858.6	2221.6
22.5°	1649.6	1638.1	1654.1	1794.3	2143.5
25°	1635.7	1592.1	1610.5	1743.7	2051.5
27.5°	1647.2	1550.7	1557.6	1697.8	1955.1
30°	1649.6	1500.2	1502.5	1649.6	1847.1
32.5°	1633.5	1447.4	1449.7	1589.8	1725.3
35°	1594.4	1385.3	1383.0	1520.9	1560.0
37.5°	1541.6	1318.7	1318.7	1445.1	1378.5
40°	1477.2	1252.1	1259.0	1346.2	1217.6
42.5°	1399.1	1180.9	1190.0	1215.4	1098.1
45°	1314.1	1111.9	1118.9	1026.9	1006.3
47.5°	1219.9	1040.8	1043.0	852.3	976.4
50°	1107.4	967.2	958.0	730.6	974.1
52.5°	1008.5	886.8	859.3	661.7	884.5
55°	912.0	801.8	742.1	608.8	820.2
57.5°	827.0	691.5	634.1	546.8	806.4
60°	748.9	583.6	539.9	480.2	739.8
62.5°	684.7	503.1	493.9	434.2	670.8
65°	615.7	448.0	445.7	395.2	569.8
67.5°	549.1	411.2	409.0	358.4	434.2
70°	477.8	372.2	367.6	319.3	321.6
72.5°	404.3	328.6	324.0	287.2	266.5
75°	330.8	278.0	275.7	250.5	216.0
77.5°	259.6	220.6	225.1	202.2	158.5
80°	186.1	160.8	165.4	144.7	119.5
82.5°	124.1	105.7	110.2	91.9	80.4
85°	68.9	59.7	62.0	48.2	36.7
87.5°	32.1	27.6	27.6	18.4	11.5
90°	37.3	23.7	22.0	15.3	8.5
92.5°	229.8	163.5	149.1	91.4	33.9
95°	565.5	318.4	292.1	186.6	81.3
97.5°	761.6	349.8	326.5	233.5	140.6
100°	833.0	376.0	354.9	270.6	186.3
102.5°	865.8	402.3	382.6	304.0	225.3
105°	890.0	441.2	424.5	357.9	291.3
107.5°	894.5	498.7	483.3	421.2	359.1
110°	887.8	531.0	516.9	460.9	404.8



TEST NUMBER: P936163

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	888.1	569.9	556.5	503.1	449.7
115°	896.2	628.4	616.1	566.7	517.4
117.5°	912.9	685.1	673.9	629.1	584.3
120°	926.4	718.2	707.7	665.5	623.3
122.5°	945.9	757.1	746.5	703.9	661.4
125°	972.1	807.0	797.4	758.5	719.8
127.5°	998.4	855.3	845.5	806.3	767.2
130°	1017.7	887.5	877.0	834.8	792.6
132.5°	1033.2	913.8	903.3	861.1	818.9
135°	1050.1	944.3	934.7	896.2	857.8
137.5°	1075.5	983.2	973.7	935.7	897.6
140°	1091.0	1009.4	1000.7	965.7	930.7
142.5°	1104.0	1028.9	1020.8	988.4	956.0
145°	1121.0	1058.6	1051.5	1023.3	995.0
147.5°	1145.8	1095.8	1088.9	1061.5	1034.0
150°	1158.7	1115.2	1109.0	1084.2	1059.4
152.5°	1167.2	1128.0	1123.3	1104.5	1085.7
155°	1185.9	1155.9	1152.5	1138.5	1124.6
157.5°	1204.5	1183.9	1180.5	1166.9	1153.4
160°	1212.9	1196.5	1193.9	1183.4	1172.9
162.5°	1222.0	1210.1	1208.1	1200.2	1192.4
165°	1234.9	1229.6	1227.8	1220.7	1213.5
167.5°	1245.1	1240.6	1239.8	1236.4	1233.0
170°	1253.6	1253.3	1252.5	1249.0	1245.7
172.5°	1254.2	1254.2	1254.0	1253.2	1252.5
175°	1259.3	1261.8	1261.8	1261.8	1261.8
177.5°	1259.8	1261.8	1261.8	1261.8	1261.8
180°	1261.8	1261.8	1261.8	1261.8	1261.8



TEST NUMBER: P936163
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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	13.59	14.39	14.60	15.41	16.77	16.41	17.22	17.42	18.24	19.60
	3H	14.06	14.78	15.08	15.81	17.19	17.75	18.47	18.77	19.50	20.88
	4H	14.25	14.93	15.28	15.96	17.35	18.19	18.87	19.22	19.91	21.29
	6H	14.36	14.99	15.41	16.03	17.43	18.47	19.10	19.51	20.14	21.54
	8H	14.36	14.96	15.41	16.01	17.41	18.54	19.14	19.59	20.19	21.59
	12H	14.33	14.90	15.39	15.95	17.37	18.58	19.15	19.63	20.19	21.62
4H	2H	14.61	15.29	15.65	16.33	17.71	16.81	17.50	17.85	18.53	19.92
	3H	15.63	16.20	16.68	17.26	18.66	18.31	18.88	19.36	19.94	21.34
	4H	15.91	16.43	16.96	17.48	18.90	18.84	19.36	19.89	20.41	21.83
	6H	16.03	16.48	17.09	17.55	18.97	19.20	19.65	20.26	20.72	22.14
	8H	16.03	16.45	17.10	17.52	18.95	19.30	19.72	20.37	20.79	22.22
	12H	16.00	16.38	17.08	17.46	18.90	19.35	19.73	20.44	20.81	22.25
8H	4H	16.35	16.77	17.42	17.84	19.27	18.96	19.37	20.02	20.44	21.88
	6H	16.61	16.96	17.70	18.07	19.50	19.39	19.73	20.48	20.84	22.28
	8H	16.66	16.96	17.75	18.05	19.50	19.54	19.84	20.64	20.94	22.39
	12H	16.64	16.90	17.74	17.99	19.48	19.63	19.90	20.73	20.99	22.48
12H	4H	16.36	16.74	17.44	17.82	19.26	18.92	19.30	20.00	20.38	21.82
	6H	16.67	16.98	17.77	18.07	19.52	19.39	19.69	20.48	20.78	22.23
	8H	16.74	17.00	17.84	18.09	19.58	19.54	19.81	20.64	20.90	22.39