

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: P935848

Luminaire Tested: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-6500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935848
REPORT IS A COMBINATION OF REPORTS P933772 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-6500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

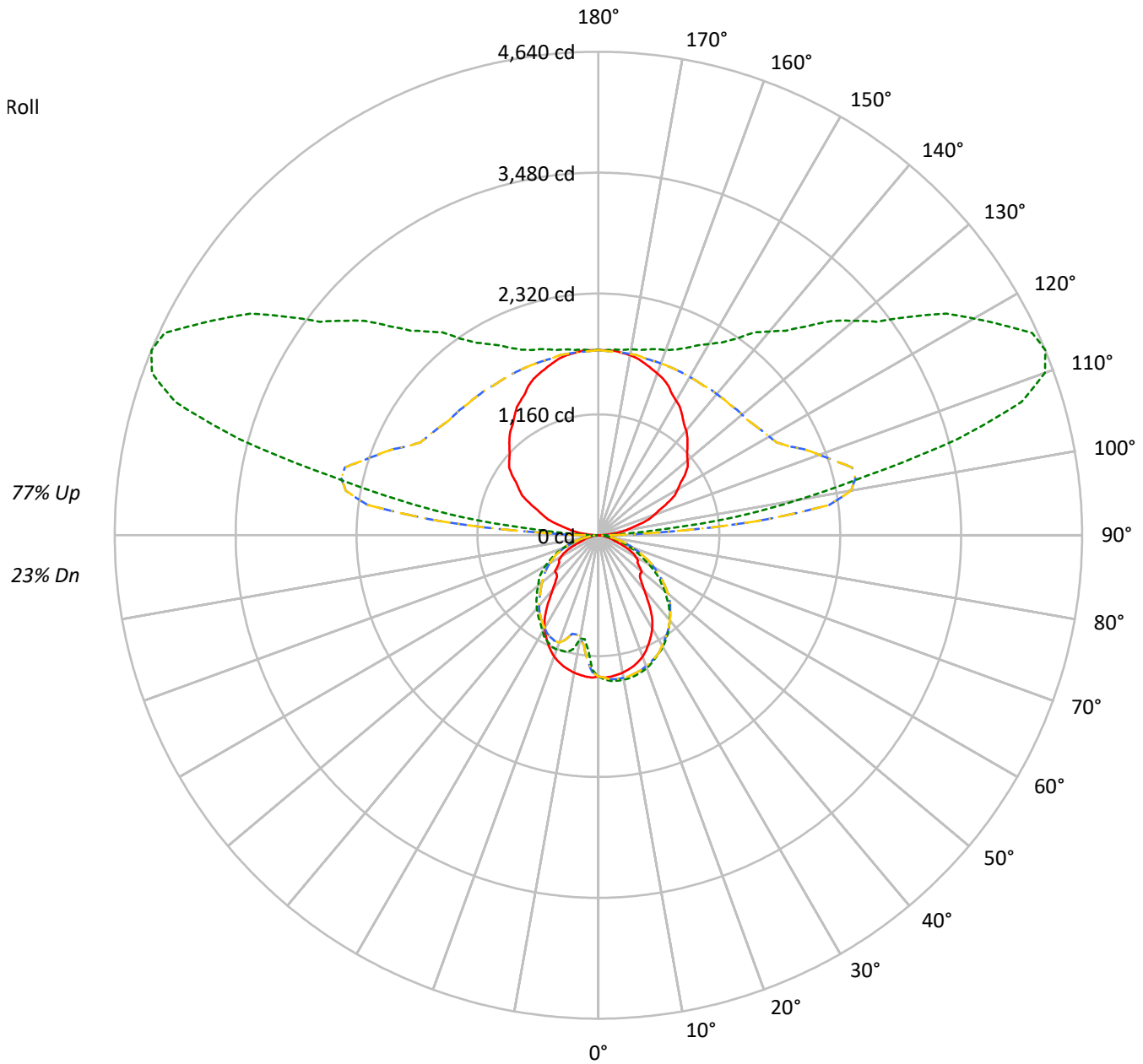
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15042.8 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 111.2
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



— 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	0
RCR																		
0	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6290	6290	6290	6290
5°	6337	6349	6337	4992
10°	6294	6254	6294	4471
15°	6226	6118	6226	5109
20°	6096	5958	6096	5120
25°	5829	5724	5829	5011
30°	5485	5530	5485	4773
35°	4889	5284	4889	4511
40°	4075	4994	4075	4314
45°	3641	4656	3641	4086
50°	3868	4252	3868	3858
55°	3638	3816	3638	3726
60°	3751	3241	3751	3412
65°	3400	2679	3400	2995
70°	2355	2136	2355	2510
75°	2066	1579	2066	1891
80°	1662	1043	1662	1135
85°	960	553	960	470

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5579 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.4	0.8
10°-20°	347.4	2.3
20°-30°	537.1	3.6
30°-40°	641.2	4.3
40°-50°	644.9	4.3
50°-60°	561.2	3.7
60°-70°	397.9	2.6
70°-80°	210.5	1.4
80°-90°	59.2	0.4
90°-100°	866.3	5.8
100°-110°	2277.6	15.1
110°-120°	2361.6	15.7
120°-130°	1894.3	12.6
130°-140°	1486.3	9.9
140°-150°	1140.8	7.6
150°-160°	821.6	5.5
160°-170°	502.7	3.3
170°-180°	169.8	1.1
0°-30°	1006.9	6.7
0°-40°	1648.1	11.0
0°-60°	2854.2	19.0
0°-90°	3521.7	23.4
90°-120°	5505.5	36.6
90°-150°	10027.0	66.7
90°-180°	11521.0	76.6
0°-180°	15042.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1356	1356	1356	1356	1356	
5°	1362	1404	1362	1104	1362	129
15°	1300	1392	1300	1162	1300	366
25°	1145	1298	1145	1136	1145	526
35°	871	1158	871	989	871	539
45°	562	954	562	838	562	450
55°	458	704	458	687	458	421
65°	318	424	318	475	318	304
75°	121	201	121	241	121	127
85°	21	51	21	44	21	28
90°	12	45	12	45	12	11
95°	115	524	115	524	115	127
105°	410	3566	410	3566	410	435
115°	729	4592	729	4592	729	720
125°	1014	3657	1014	3657	1014	900
135°	1208	2838	1208	2838	1208	935
145°	1402	2302	1402	2302	1402	878
155°	1584	1982	1584	1982	1584	728
165°	1709	1846	1709	1846	1709	482
175°	1777	1789	1777	1789	1777	169
180°	1777	1777	1777	1777	1777	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7
2.5°	1367.2	1367.2	1374.9	1377.5	1377.5	1373.6	1369.7	1373.6	1385.1	1389.0	1387.7
5°	1362.1	1372.3	1386.5	1389.0	1391.5	1390.3	1387.7	1390.3	1403.1	1405.7	1406.9
7.5°	1351.8	1371.1	1389.0	1392.9	1396.7	1392.9	1391.5	1394.1	1406.9	1409.5	1409.5
10°	1339.0	1365.9	1386.5	1389.0	1392.9	1389.0	1389.0	1394.1	1406.9	1409.5	1410.8
12.5°	1321.0	1358.2	1377.5	1380.0	1385.1	1383.9	1382.6	1387.7	1400.5	1403.1	1403.1
15°	1300.5	1344.1	1362.1	1364.6	1373.6	1371.1	1371.1	1376.2	1390.3	1394.1	1392.9
17.5°	1272.3	1326.1	1346.7	1350.5	1356.9	1355.7	1356.9	1362.1	1374.9	1377.5	1378.7
20°	1240.2	1301.8	1326.1	1330.0	1336.4	1336.4	1336.4	1342.8	1355.7	1360.8	1360.8
22.5°	1196.6	1276.1	1301.8	1304.3	1312.1	1312.1	1314.6	1323.6	1335.1	1336.4	1336.4
25°	1145.3	1247.9	1269.7	1277.4	1285.1	1288.9	1292.8	1297.9	1301.8	1300.5	1301.8
27.5°	1091.5	1212.0	1240.2	1245.3	1255.6	1259.5	1264.6	1265.9	1267.1	1271.0	1268.5
30°	1031.2	1162.0	1204.3	1209.5	1226.1	1228.7	1223.5	1226.1	1232.5	1235.1	1237.7
32.5°	963.2	1087.6	1167.1	1178.7	1194.1	1186.3	1185.1	1188.9	1199.2	1199.2	1201.7
35°	870.8	1029.9	1132.5	1142.7	1154.3	1145.3	1150.5	1151.7	1158.1	1162.0	1160.7
37.5°	769.5	979.9	1096.6	1104.3	1113.3	1101.7	1109.4	1113.3	1118.4	1115.8	1115.8
40°	679.8	901.6	1054.3	1059.4	1067.1	1058.1	1065.8	1068.4	1070.9	1068.4	1067.1
42.5°	613.0	815.7	1009.4	1015.8	1010.6	1017.1	1019.6	1024.8	1020.9	1015.8	1015.8
45°	561.8	792.6	960.6	968.3	960.6	970.9	974.7	974.7	963.2	960.6	959.3
47.5°	545.1	746.4	911.9	911.9	908.0	920.9	927.3	918.3	906.8	902.9	902.9
50°	543.8	695.2	845.2	840.1	858.0	873.4	867.0	858.0	849.0	834.9	834.9
52.5°	493.8	632.3	759.3	778.5	806.7	815.7	805.4	796.5	781.1	774.6	769.5
55°	457.8	566.9	681.0	719.5	749.0	760.6	741.3	732.3	709.2	705.4	702.8
57.5°	450.2	472.0	609.2	658.0	693.8	692.6	681.0	664.4	645.1	641.3	640.0
60°	413.0	341.2	532.2	590.0	627.2	623.3	613.0	597.6	579.7	577.2	574.6
62.5°	374.5	247.6	445.0	510.4	563.0	561.8	552.8	529.7	516.8	510.4	505.3
65°	318.0	207.8	316.8	424.5	500.2	502.8	483.5	466.8	452.8	445.0	443.8
67.5°	242.4	169.3	214.2	354.0	439.9	437.4	413.0	405.3	387.4	383.5	375.8
70°	179.6	112.8	148.8	287.3	380.9	374.5	355.2	346.3	329.6	320.6	315.5
72.5°	148.8	91.0	109.0	223.2	320.6	313.0	296.2	286.0	271.9	264.2	259.0
75°	120.6	96.2	83.4	165.4	260.4	255.2	239.8	229.6	218.0	207.8	209.0
77.5°	88.5	89.8	66.6	121.8	206.5	198.8	189.8	177.0	171.8	161.6	161.6
80°	66.6	70.6	50.0	83.4	148.8	148.8	141.0	132.1	123.2	118.0	118.0
82.5°	44.8	44.8	37.2	52.6	101.4	97.4	92.4	89.8	84.6	82.0	82.0
85°	20.6	25.6	23.0	32.0	55.2	57.8	57.8	55.2	53.8	51.3	52.6
87.5°	6.4	11.6	14.2	18.0	28.2	29.5	30.8	30.8	30.8	32.0	32.0
90°	12.0	21.5	31.0	33.4	52.5	77.9	90.6	80.6	60.4	45.3	45.3
92.5°	47.7	128.8	210.0	230.3	323.7	448.3	510.5	447.4	321.3	226.6	217.6
95°	114.6	263.0	411.4	448.5	796.3	1260.2	1492.1	1331.5	1010.3	769.4	742.0
97.5°	198.0	328.9	459.9	492.6	1072.8	1846.2	2232.9	2131.4	1928.4	1776.0	1724.1
100°	262.4	381.1	499.9	529.6	1173.3	2031.5	2460.7	2468.1	2482.9	2494.0	2432.2
102.5°	317.3	428.1	538.8	566.5	1219.4	2089.9	2525.1	2654.5	2913.1	3107.1	3054.2
105°	410.3	504.1	598.0	621.4	1253.6	2096.5	2517.9	2808.0	3387.9	3822.9	3794.4
107.5°	505.7	593.2	680.6	702.5	1260.0	2003.2	2374.8	2779.3	3588.3	4195.0	4201.9
110°	570.2	649.2	728.1	747.8	1250.4	1920.5	2255.6	2707.7	3612.1	4290.4	4320.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	633.4	708.6	783.9	802.7	1250.8	1848.2	2146.9	2609.7	3535.3	4229.5	4275.1
115°	728.8	798.2	867.6	885.1	1262.4	1765.4	2017.0	2462.8	3354.4	4023.2	4086.4
117.5°	823.0	886.1	949.2	965.0	1285.8	1713.6	1927.5	2329.9	3134.6	3738.1	3808.2
120°	877.9	937.3	996.6	1011.5	1304.9	1696.1	1891.7	2259.4	2994.7	3546.1	3614.2
122.5°	931.5	991.5	1051.3	1066.3	1332.4	1687.0	1864.3	2195.3	2857.5	3354.0	3421.3
125°	1013.9	1068.5	1123.0	1136.7	1369.3	1679.4	1834.5	2115.7	2678.1	3100.0	3161.8
127.5°	1080.7	1135.8	1190.9	1204.7	1406.3	1675.1	1809.4	2050.8	2533.8	2896.0	2948.2
130°	1116.5	1175.8	1235.2	1250.0	1433.3	1677.6	1799.8	2014.8	2444.8	2767.2	2815.5
132.5°	1153.5	1212.8	1272.2	1287.0	1455.2	1679.5	1791.5	1983.9	2368.8	2657.5	2700.7
135°	1208.2	1262.4	1316.5	1330.0	1479.0	1677.8	1777.2	1938.4	2260.7	2502.5	2539.6
137.5°	1264.4	1317.9	1371.4	1384.8	1514.8	1688.2	1774.9	1911.1	2183.6	2387.9	2418.4
140°	1310.8	1360.2	1409.4	1421.8	1536.7	1689.9	1766.5	1884.2	2119.6	2296.1	2324.6
142.5°	1346.6	1392.2	1437.8	1449.2	1555.0	1696.0	1766.5	1869.8	2076.6	2231.7	2256.1
145°	1401.5	1441.3	1481.0	1491.0	1578.9	1696.0	1754.5	1839.0	2008.2	2135.1	2153.6
147.5°	1456.4	1495.1	1533.8	1543.5	1613.9	1707.7	1754.5	1821.1	1954.1	2053.9	2069.3
150°	1492.1	1527.1	1562.1	1570.8	1632.0	1713.7	1754.5	1810.7	1923.1	2007.4	2019.9
152.5°	1529.1	1555.6	1582.2	1588.8	1644.1	1717.7	1754.5	1802.5	1898.4	1970.4	1979.8
155°	1584.0	1603.6	1623.2	1628.1	1670.3	1726.4	1754.5	1792.7	1869.1	1926.3	1932.6
157.5°	1624.6	1643.7	1662.7	1667.5	1696.5	1735.2	1754.5	1784.3	1843.6	1888.2	1892.6
160°	1652.0	1666.8	1681.7	1685.4	1708.4	1739.1	1754.5	1780.0	1830.9	1869.1	1871.6
162.5°	1679.5	1690.5	1701.7	1704.5	1721.1	1743.4	1754.5	1776.0	1819.0	1851.2	1853.6
165°	1709.2	1719.2	1729.4	1731.9	1739.4	1749.5	1754.5	1769.9	1800.7	1823.7	1826.2
167.5°	1736.6	1741.4	1746.2	1747.4	1753.8	1762.3	1766.5	1776.5	1796.7	1811.8	1812.8
170°	1754.5	1759.3	1764.1	1765.3	1765.7	1766.2	1766.5	1776.5	1796.7	1811.8	1811.8
172.5°	1764.1	1765.1	1766.2	1766.5	1766.5	1766.5	1766.5	1774.4	1790.3	1802.2	1801.3
175°	1777.2	1777.2	1777.2	1777.2	1773.6	1768.9	1766.5	1771.5	1781.6	1789.1	1789.1
177.5°	1777.2	1777.2	1777.2	1777.2	1774.4	1770.7	1768.9	1772.9	1780.8	1786.7	1785.7
180°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7
2.5°	1390.3	1386.5	1390.3	1387.7	1389.0	1385.1	1373.6	1369.7	1373.6	1377.5	1377.5
5°	1406.9	1404.4	1406.9	1406.9	1405.7	1403.1	1390.3	1387.7	1390.3	1391.5	1389.0
7.5°	1412.1	1408.3	1412.1	1409.5	1409.5	1406.9	1394.1	1391.5	1392.9	1396.7	1392.9
10°	1412.1	1408.3	1412.1	1410.8	1409.5	1406.9	1394.1	1389.0	1389.0	1392.9	1389.0
12.5°	1405.7	1403.1	1405.7	1403.1	1403.1	1400.5	1387.7	1382.6	1383.9	1385.1	1380.0
15°	1395.4	1391.5	1395.4	1392.9	1394.1	1390.3	1376.2	1371.1	1371.1	1373.6	1364.6
17.5°	1380.0	1374.9	1380.0	1378.7	1377.5	1374.9	1362.1	1356.9	1355.7	1356.9	1350.5
20°	1362.1	1358.2	1362.1	1360.8	1360.8	1355.7	1342.8	1336.4	1336.4	1336.4	1330.0
22.5°	1333.9	1330.0	1333.9	1336.4	1336.4	1335.1	1323.6	1314.6	1312.1	1312.1	1304.3
25°	1301.8	1297.9	1301.8	1301.8	1300.5	1301.8	1297.9	1292.8	1288.9	1285.1	1277.4
27.5°	1271.0	1268.5	1271.0	1268.5	1271.0	1267.1	1265.9	1264.6	1259.5	1255.6	1245.3
30°	1240.2	1237.7	1240.2	1237.7	1235.1	1232.5	1226.1	1223.5	1228.7	1226.1	1209.5
32.5°	1201.7	1199.2	1201.7	1201.7	1199.2	1199.2	1188.9	1185.1	1186.3	1194.1	1178.7
35°	1162.0	1158.1	1162.0	1160.7	1162.0	1158.1	1151.7	1150.5	1145.3	1154.3	1142.7
37.5°	1115.8	1112.0	1115.8	1115.8	1115.8	1118.4	1113.3	1109.4	1101.7	1113.3	1104.3
40°	1068.4	1063.2	1068.4	1067.1	1068.4	1070.9	1068.4	1065.8	1058.1	1067.1	1059.4
42.5°	1014.5	1013.2	1014.5	1015.8	1015.8	1020.9	1024.8	1019.6	1017.1	1010.6	1015.8
45°	956.8	954.2	956.8	959.3	960.6	963.2	974.7	974.7	970.9	960.6	968.3
47.5°	895.2	888.8	895.2	902.9	902.9	906.8	918.3	927.3	920.9	908.0	911.9
50°	829.8	831.1	829.8	834.9	834.9	849.0	858.0	867.0	873.4	858.0	840.1
52.5°	765.7	764.4	765.7	769.5	774.6	781.1	796.5	805.4	815.7	806.7	778.5
55°	701.6	704.1	701.6	702.8	705.4	709.2	732.3	741.3	760.6	749.0	719.5
57.5°	637.4	633.6	637.4	640.0	641.3	645.1	664.4	681.0	692.6	693.8	658.0
60°	563.0	557.9	563.0	574.6	577.2	579.7	597.6	613.0	623.3	627.2	590.0
62.5°	497.6	488.6	497.6	505.3	510.4	516.8	529.7	552.8	561.8	563.0	510.4
65°	428.4	424.5	428.4	443.8	445.0	452.8	466.8	483.5	502.8	500.2	424.5
67.5°	365.6	365.6	365.6	375.8	383.5	387.4	405.3	413.0	437.4	439.9	354.0
70°	307.8	306.6	307.8	315.5	320.6	329.6	346.3	355.2	374.5	380.9	287.3
72.5°	252.6	251.4	252.6	259.0	264.2	271.9	286.0	296.2	313.0	320.6	223.2
75°	204.0	201.4	204.0	209.0	207.8	218.0	229.6	239.8	255.2	260.4	165.4
77.5°	156.4	156.4	156.4	161.6	161.6	171.8	177.0	189.8	198.8	206.5	121.8
80°	116.8	115.4	116.8	118.0	118.0	123.2	132.1	141.0	148.8	148.8	83.4
82.5°	82.0	79.6	82.0	82.0	82.0	84.6	89.8	92.4	97.4	101.4	52.6
85°	51.3	51.3	51.3	52.6	51.3	53.8	55.2	57.8	57.8	55.2	32.0
87.5°	33.4	32.0	33.4	32.0	32.0	30.8	30.8	30.8	29.5	28.2	18.0
90°	45.3	45.3	45.3	45.3	45.3	60.4	80.6	90.6	77.9	52.5	33.4
92.5°	181.6	145.5	181.6	217.6	226.6	321.3	447.4	510.5	448.3	323.7	230.3
95°	632.8	523.6	632.8	742.0	769.4	1010.3	1331.5	1492.1	1260.2	796.3	448.5
97.5°	1516.2	1308.5	1516.2	1724.1	1776.0	1928.4	2131.4	2232.9	1846.2	1072.8	492.6
100°	2184.6	1937.1	2184.6	2432.2	2494.0	2482.9	2468.1	2460.7	2031.5	1173.3	529.6
102.5°	2842.1	2630.1	2842.1	3054.2	3107.1	2913.1	2654.5	2525.1	2089.9	1219.4	566.5
105°	3680.4	3566.4	3680.4	3794.4	3822.9	3387.9	2808.0	2517.9	2096.5	1253.6	621.4
107.5°	4229.4	4257.0	4229.4	4201.9	4195.0	3588.3	2779.3	2374.8	2003.2	1260.0	702.5
110°	4438.8	4557.6	4438.8	4320.1	4290.4	3612.1	2707.7	2255.6	1920.5	1250.4	747.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4457.5	4639.8	4457.5	4275.1	4229.5	3535.3	2609.7	2146.9	1848.2	1250.8	802.7
115°	4339.3	4592.1	4339.3	4086.4	4023.2	3354.4	2462.8	2017.0	1765.4	1262.4	885.1
117.5°	4088.7	4369.1	4088.7	3808.2	3738.1	3134.6	2329.9	1927.5	1713.6	1285.8	965.0
120°	3886.7	4159.2	3886.7	3614.2	3546.1	2994.7	2259.4	1891.7	1696.1	1304.9	1011.5
122.5°	3690.0	3958.8	3690.0	3421.3	3354.0	2857.5	2195.3	1864.3	1687.0	1332.4	1066.3
125°	3409.5	3657.1	3409.5	3161.8	3100.0	2678.1	2115.7	1834.5	1679.4	1369.3	1136.7
127.5°	3157.2	3366.0	3157.2	2948.2	2896.0	2533.8	2050.8	1809.4	1675.1	1406.3	1204.7
130°	3008.5	3201.4	3008.5	2815.5	2767.2	2444.8	2014.8	1799.8	1677.6	1433.3	1250.0
132.5°	2873.5	3046.3	2873.5	2700.7	2657.5	2368.8	1983.9	1791.5	1679.5	1455.2	1287.0
135°	2688.6	2837.6	2688.6	2539.6	2502.5	2260.7	1938.4	1777.2	1677.8	1479.0	1330.0
137.5°	2540.3	2662.2	2540.3	2418.4	2387.9	2183.6	1911.1	1774.9	1688.2	1514.8	1384.8
140°	2438.6	2552.6	2438.6	2324.6	2296.1	2119.6	1884.2	1766.5	1689.9	1536.7	1421.8
142.5°	2354.2	2452.3	2354.2	2256.1	2231.7	2076.6	1869.8	1766.5	1696.0	1555.0	1449.2
145°	2227.8	2302.0	2227.8	2153.6	2135.1	2008.2	1839.0	1754.5	1696.0	1578.9	1491.0
147.5°	2130.8	2192.3	2130.8	2069.3	2053.9	1954.1	1821.1	1754.5	1707.7	1613.9	1543.5
150°	2069.8	2119.6	2069.8	2019.9	2007.4	1923.1	1810.7	1754.5	1713.7	1632.0	1570.8
152.5°	2017.5	2055.1	2017.5	1979.8	1970.4	1898.4	1802.5	1754.5	1717.7	1644.1	1588.8
155°	1957.5	1982.4	1957.5	1932.6	1926.3	1869.1	1792.7	1754.5	1726.4	1670.3	1628.1
157.5°	1910.0	1927.5	1910.0	1892.6	1888.2	1843.6	1784.3	1754.5	1735.2	1696.5	1667.5
160°	1881.7	1891.7	1881.7	1871.6	1869.1	1830.9	1780.0	1754.5	1739.1	1708.4	1685.4
162.5°	1863.0	1872.6	1863.0	1853.6	1851.2	1819.0	1776.0	1754.5	1743.4	1721.1	1704.5
165°	1836.4	1846.4	1836.4	1826.2	1823.7	1800.7	1769.9	1754.5	1749.5	1739.4	1731.9
167.5°	1817.1	1821.4	1817.1	1812.8	1811.8	1796.7	1776.5	1766.5	1762.3	1753.8	1747.4
170°	1811.8	1811.8	1811.8	1811.8	1811.8	1796.7	1776.5	1766.5	1766.2	1765.7	1765.3
172.5°	1797.6	1793.9	1797.6	1801.3	1802.2	1790.3	1774.4	1766.5	1766.5	1766.5	1766.5
175°	1789.1	1789.1	1789.1	1789.1	1789.1	1781.6	1771.5	1766.5	1768.9	1773.6	1777.2
177.5°	1781.4	1777.2	1781.4	1785.7	1786.7	1780.8	1772.9	1768.9	1770.7	1774.4	1777.2
180°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2



TEST NUMBER: P935848

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7
2.5°	1374.9	1367.2	1367.2	1354.4	1349.3	1345.4	1339.0	1319.7	1314.6	1309.5	1317.2
5°	1386.5	1372.3	1362.1	1339.0	1319.7	1312.1	1287.7	1241.5	1210.7	1187.6	1174.8
7.5°	1389.0	1371.1	1351.8	1315.9	1269.7	1249.2	1174.8	1090.2	1067.1	1046.6	1033.7
10°	1386.5	1365.9	1339.0	1285.1	1176.1	1140.2	1065.8	1010.6	996.5	992.7	996.5
12.5°	1377.5	1358.2	1321.0	1231.3	1078.6	1054.3	1010.6	978.6	976.0	982.4	1017.1
15°	1362.1	1344.1	1300.5	1159.4	1024.8	1006.8	976.0	964.5	978.6	1023.5	1127.4
17.5°	1346.7	1326.1	1272.3	1088.9	983.7	970.9	949.1	972.2	1051.7	1112.0	1146.6
20°	1326.1	1301.8	1240.2	1037.6	954.2	942.7	932.4	1036.3	1096.6	1118.4	1137.6
22.5°	1301.8	1276.1	1196.6	1001.7	923.4	914.5	920.9	1072.2	1096.6	1112.0	1128.6
25°	1269.7	1247.9	1145.3	973.5	899.1	888.8	913.2	1068.4	1082.5	1086.3	1119.7
27.5°	1240.2	1212.0	1091.5	947.8	869.6	865.7	919.6	1051.7	1061.9	1065.8	1101.7
30°	1204.3	1162.0	1031.2	920.9	838.8	837.5	920.9	1031.2	1028.6	1038.9	1074.8
32.5°	1167.1	1087.6	963.2	887.5	809.3	808.0	911.9	1000.4	997.8	1011.9	1038.9
35°	1132.5	1029.9	870.8	849.0	772.1	773.4	890.1	964.5	965.8	978.6	995.3
37.5°	1096.6	979.9	769.5	806.7	736.2	736.2	860.6	931.1	928.6	932.4	955.5
40°	1054.3	901.6	679.8	751.6	702.8	699.0	824.7	895.2	886.2	885.0	917.0
42.5°	1009.4	815.7	613.0	678.5	664.4	659.2	781.1	851.6	834.9	838.8	879.8
45°	960.6	792.6	561.8	573.3	624.6	620.8	733.6	801.6	790.0	800.3	842.6
47.5°	911.9	746.4	545.1	475.8	582.3	581.0	681.0	752.8	746.4	756.7	801.6
50°	845.2	695.2	543.8	407.8	534.8	540.0	618.2	705.4	705.4	714.4	761.8
52.5°	759.3	632.3	493.8	369.4	479.6	495.0	563.0	664.4	666.9	675.9	718.2
55°	681.0	566.9	457.8	339.8	414.2	447.6	509.2	622.0	627.2	636.2	674.6
57.5°	609.2	472.0	450.2	305.2	354.0	386.0	461.7	581.0	583.6	591.2	628.4
60°	532.2	341.2	413.0	268.0	301.4	325.8	418.1	532.2	541.2	546.4	578.4
62.5°	445.0	247.6	374.5	242.4	275.8	280.8	382.2	486.1	497.6	501.5	520.7
65°	316.8	207.8	318.0	220.6	248.8	250.1	343.8	438.6	448.9	455.3	469.4
67.5°	214.2	169.3	242.4	200.0	228.3	229.6	306.6	383.5	397.6	402.7	411.7
70°	148.8	112.8	179.6	178.2	205.2	207.8	266.8	333.4	346.3	350.2	355.2
72.5°	109.0	91.0	148.8	160.4	180.8	183.4	225.8	277.0	289.8	293.7	296.2
75°	83.4	96.2	120.6	139.8	153.9	155.2	184.6	225.8	234.7	237.2	238.6
77.5°	66.6	89.8	88.5	112.8	125.6	123.2	145.0	174.4	182.2	182.2	182.2
80°	50.0	70.6	66.6	80.8	92.4	89.8	103.8	124.4	127.0	129.6	128.2
82.5°	37.2	44.8	44.8	51.3	61.6	59.0	69.2	80.8	80.8	80.8	83.4
85°	23.0	25.6	20.6	27.0	34.6	33.4	38.4	43.6	44.8	44.8	42.4
87.5°	14.2	11.6	6.4	10.2	15.4	15.4	18.0	19.2	18.0	18.0	18.0
90°	31.0	21.5	12.0	21.5	31.0	33.4	52.5	77.9	90.6	80.6	60.4
92.5°	210.0	128.8	47.7	128.8	210.0	230.3	323.7	448.3	510.5	447.4	321.3
95°	411.4	263.0	114.6	263.0	411.4	448.5	796.3	1260.2	1492.1	1331.5	1010.3
97.5°	459.9	328.9	198.0	328.9	459.9	492.6	1072.8	1846.2	2232.9	2131.4	1928.4
100°	499.9	381.1	262.4	381.1	499.9	529.6	1173.3	2031.5	2460.7	2468.1	2482.9
102.5°	538.8	428.1	317.3	428.1	538.8	566.5	1219.4	2089.9	2525.1	2654.5	2913.1
105°	598.0	504.1	410.3	504.1	598.0	621.4	1253.6	2096.5	2517.9	2808.0	3387.9
107.5°	680.6	593.2	505.7	593.2	680.6	702.5	1260.0	2003.2	2374.8	2779.3	3588.3
110°	728.1	649.2	570.2	649.2	728.1	747.8	1250.4	1920.5	2255.6	2707.7	3612.1



TEST NUMBER: P935848

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	783.9	708.6	633.4	708.6	783.9	802.7	1250.8	1848.2	2146.9	2609.7	3535.3
115°	867.6	798.2	728.8	798.2	867.6	885.1	1262.4	1765.4	2017.0	2462.8	3354.4
117.5°	949.2	886.1	823.0	886.1	949.2	965.0	1285.8	1713.6	1927.5	2329.9	3134.6
120°	996.6	937.3	877.9	937.3	996.6	1011.5	1304.9	1696.1	1891.7	2259.4	2994.7
122.5°	1051.3	991.5	931.5	991.5	1051.3	1066.3	1332.4	1687.0	1864.3	2195.3	2857.5
125°	1123.0	1068.5	1013.9	1068.5	1123.0	1136.7	1369.3	1679.4	1834.5	2115.7	2678.1
127.5°	1190.9	1135.8	1080.7	1135.8	1190.9	1204.7	1406.3	1675.1	1809.4	2050.8	2533.8
130°	1235.2	1175.8	1116.5	1175.8	1235.2	1250.0	1433.3	1677.6	1799.8	2014.8	2444.8
132.5°	1272.2	1212.8	1153.5	1212.8	1272.2	1287.0	1455.2	1679.5	1791.5	1983.9	2368.8
135°	1316.5	1262.4	1208.2	1262.4	1316.5	1330.0	1479.0	1677.8	1777.2	1938.4	2260.7
137.5°	1371.4	1317.9	1264.4	1317.9	1371.4	1384.8	1514.8	1688.2	1774.9	1911.1	2183.6
140°	1409.4	1360.2	1310.8	1360.2	1409.4	1421.8	1536.7	1689.9	1766.5	1884.2	2119.6
142.5°	1437.8	1392.2	1346.6	1392.2	1437.8	1449.2	1555.0	1696.0	1766.5	1869.8	2076.6
145°	1481.0	1441.3	1401.5	1441.3	1481.0	1491.0	1578.9	1696.0	1754.5	1839.0	2008.2
147.5°	1533.8	1495.1	1456.4	1495.1	1533.8	1543.5	1613.9	1707.7	1754.5	1821.1	1954.1
150°	1562.1	1527.1	1492.1	1527.1	1562.1	1570.8	1632.0	1713.7	1754.5	1810.7	1923.1
152.5°	1582.2	1555.6	1529.1	1555.6	1582.2	1588.8	1644.1	1717.7	1754.5	1802.5	1898.4
155°	1623.2	1603.6	1584.0	1603.6	1623.2	1628.1	1670.3	1726.4	1754.5	1792.7	1869.1
157.5°	1662.7	1643.7	1624.6	1643.7	1662.7	1667.5	1696.5	1735.2	1754.5	1784.3	1843.6
160°	1681.7	1666.8	1652.0	1666.8	1681.7	1685.4	1708.4	1739.1	1754.5	1780.0	1830.9
162.5°	1701.7	1690.5	1679.5	1690.5	1701.7	1704.5	1721.1	1743.4	1754.5	1776.0	1819.0
165°	1729.4	1719.2	1709.2	1719.2	1729.4	1731.9	1739.4	1749.5	1754.5	1769.9	1800.7
167.5°	1746.2	1741.4	1736.6	1741.4	1746.2	1747.4	1753.8	1762.3	1766.5	1776.5	1796.7
170°	1764.1	1759.3	1754.5	1759.3	1764.1	1765.3	1765.7	1766.2	1766.5	1776.5	1796.7
172.5°	1766.2	1765.1	1764.1	1765.1	1766.2	1766.5	1766.5	1766.5	1766.5	1774.4	1790.3
175°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1773.6	1768.9	1766.5	1771.5	1781.6
177.5°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1774.4	1770.7	1768.9	1772.9	1780.8
180°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2



TEST NUMBER: P935848

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7
2.5°	1308.2	1304.3	1309.5	1295.4	1309.5	1304.3	1308.2	1317.2	1309.5	1314.6	1319.7
5°	1147.9	1141.5	1120.9	1104.3	1120.9	1141.5	1147.9	1174.8	1187.6	1210.7	1241.5
7.5°	1026.0	1020.9	1015.8	1005.5	1015.8	1020.9	1026.0	1033.7	1046.6	1067.1	1090.2
10°	999.1	1000.4	1008.1	1006.8	1008.1	1000.4	999.1	996.5	992.7	996.5	1010.6
12.5°	1068.4	1079.9	1122.2	1119.7	1122.2	1079.9	1068.4	1017.1	982.4	976.0	978.6
15°	1147.9	1151.7	1160.7	1162.0	1160.7	1151.7	1147.9	1127.4	1023.5	978.6	964.5
17.5°	1155.6	1156.9	1163.3	1163.3	1163.3	1156.9	1155.6	1146.6	1112.0	1051.7	972.2
20°	1149.2	1151.7	1164.5	1167.1	1164.5	1151.7	1149.2	1137.6	1118.4	1096.6	1036.3
22.5°	1146.6	1151.7	1162.0	1160.7	1162.0	1151.7	1146.6	1128.6	1112.0	1096.6	1072.2
25°	1133.8	1133.8	1135.1	1136.3	1135.1	1133.8	1133.8	1119.7	1086.3	1082.5	1068.4
27.5°	1106.8	1109.4	1117.1	1115.8	1117.1	1109.4	1106.8	1101.7	1065.8	1061.9	1051.7
30°	1082.5	1079.9	1073.5	1068.4	1073.5	1079.9	1082.5	1074.8	1038.9	1028.6	1031.2
32.5°	1041.4	1035.0	1028.6	1024.8	1028.6	1035.0	1041.4	1038.9	1011.9	997.8	1000.4
35°	992.7	994.0	992.7	988.8	992.7	994.0	992.7	995.3	978.6	965.8	964.5
37.5°	958.1	960.6	959.3	954.2	959.3	960.6	958.1	955.5	932.4	928.6	931.1
40°	922.2	923.4	922.2	918.3	922.2	923.4	922.2	917.0	885.0	886.2	895.2
42.5°	887.5	886.2	882.4	879.8	882.4	886.2	887.5	879.8	838.8	834.9	851.6
45°	847.8	849.0	841.4	837.5	841.4	849.0	847.8	842.6	800.3	790.0	801.6
47.5°	808.0	808.0	801.6	797.8	801.6	808.0	808.0	801.6	756.7	746.4	752.8
50°	765.7	764.4	755.4	754.1	755.4	764.4	765.7	761.8	714.4	705.4	705.4
52.5°	717.0	717.0	718.2	720.8	718.2	717.0	717.0	718.2	675.9	666.9	664.4
55°	674.6	675.9	684.9	687.4	684.9	675.9	674.6	674.6	636.2	627.2	622.0
57.5°	631.0	631.0	637.4	637.4	637.4	631.0	631.0	628.4	591.2	583.6	581.0
60°	581.0	583.6	588.7	587.4	588.7	583.6	581.0	578.4	546.4	541.2	532.2
62.5°	528.4	531.0	532.2	529.7	532.2	531.0	528.4	520.7	501.5	497.6	486.1
65°	473.2	475.8	477.1	474.6	477.1	475.8	473.2	469.4	455.3	448.9	438.6
67.5°	416.8	415.6	414.2	419.4	414.2	415.6	416.8	411.7	402.7	397.6	383.5
70°	359.1	359.1	357.8	360.4	357.8	359.1	359.1	355.2	350.2	346.3	333.4
72.5°	297.6	296.2	301.4	297.6	301.4	296.2	297.6	296.2	293.7	289.8	277.0
75°	237.2	239.8	237.2	241.2	237.2	239.8	237.2	238.6	237.2	234.7	225.8
77.5°	180.8	183.4	180.8	180.8	180.8	183.4	180.8	182.2	182.2	182.2	174.4
80°	128.2	127.0	127.0	125.6	127.0	127.0	128.2	128.2	129.6	127.0	124.4
82.5°	82.0	80.8	80.8	83.4	80.8	80.8	82.0	83.4	80.8	80.8	80.8
85°	44.8	46.2	43.6	43.6	43.6	46.2	44.8	42.4	44.8	44.8	43.6
87.5°	16.6	15.4	15.4	15.4	15.4	15.4	16.6	18.0	18.0	18.0	19.2
90°	45.3	45.3	45.3	45.3	45.3	45.3	45.3	60.4	80.6	90.6	77.9
92.5°	226.6	217.6	181.6	145.5	181.6	217.6	226.6	321.3	447.4	510.5	448.3
95°	769.4	742.0	632.8	523.6	632.8	742.0	769.4	1010.3	1331.5	1492.1	1260.2
97.5°	1776.0	1724.1	1516.2	1308.5	1516.2	1724.1	1776.0	1928.4	2131.4	2232.9	1846.2
100°	2494.0	2432.2	2184.6	1937.1	2184.6	2432.2	2494.0	2482.9	2468.1	2460.7	2031.5
102.5°	3107.1	3054.2	2842.1	2630.1	2842.1	3054.2	3107.1	2913.1	2654.5	2525.1	2089.9
105°	3822.9	3794.4	3680.4	3566.4	3680.4	3794.4	3822.9	3387.9	2808.0	2517.9	2096.5
107.5°	4195.0	4201.9	4229.4	4257.0	4229.4	4201.9	4195.0	3588.3	2779.3	2374.8	2003.2
110°	4290.4	4320.1	4438.8	4557.6	4438.8	4320.1	4290.4	3612.1	2707.7	2255.6	1920.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4229.5	4275.1	4457.5	4639.8	4457.5	4275.1	4229.5	3535.3	2609.7	2146.9	1848.2
115°	4023.2	4086.4	4339.3	4592.1	4339.3	4086.4	4023.2	3354.4	2462.8	2017.0	1765.4
117.5°	3738.1	3808.2	4088.7	4369.1	4088.7	3808.2	3738.1	3134.6	2329.9	1927.5	1713.6
120°	3546.1	3614.2	3886.7	4159.2	3886.7	3614.2	3546.1	2994.7	2259.4	1891.7	1696.1
122.5°	3354.0	3421.3	3690.0	3958.8	3690.0	3421.3	3354.0	2857.5	2195.3	1864.3	1687.0
125°	3100.0	3161.8	3409.5	3657.1	3409.5	3161.8	3100.0	2678.1	2115.7	1834.5	1679.4
127.5°	2896.0	2948.2	3157.2	3366.0	3157.2	2948.2	2896.0	2533.8	2050.8	1809.4	1675.1
130°	2767.2	2815.5	3008.5	3201.4	3008.5	2815.5	2767.2	2444.8	2014.8	1799.8	1677.6
132.5°	2657.5	2700.7	2873.5	3046.3	2873.5	2700.7	2657.5	2368.8	1983.9	1791.5	1679.5
135°	2502.5	2539.6	2688.6	2837.6	2688.6	2539.6	2502.5	2260.7	1938.4	1777.2	1677.8
137.5°	2387.9	2418.4	2540.3	2662.2	2540.3	2418.4	2387.9	2183.6	1911.1	1774.9	1688.2
140°	2296.1	2324.6	2438.6	2552.6	2438.6	2324.6	2296.1	2119.6	1884.2	1766.5	1689.9
142.5°	2231.7	2256.1	2354.2	2452.3	2354.2	2256.1	2231.7	2076.6	1869.8	1766.5	1696.0
145°	2135.1	2153.6	2227.8	2302.0	2227.8	2153.6	2135.1	2008.2	1839.0	1754.5	1696.0
147.5°	2053.9	2069.3	2130.8	2192.3	2130.8	2069.3	2053.9	1954.1	1821.1	1754.5	1707.7
150°	2007.4	2019.9	2069.8	2119.6	2069.8	2019.9	2007.4	1923.1	1810.7	1754.5	1713.7
152.5°	1970.4	1979.8	2017.5	2055.1	2017.5	1979.8	1970.4	1898.4	1802.5	1754.5	1717.7
155°	1926.3	1932.6	1957.5	1982.4	1957.5	1932.6	1926.3	1869.1	1792.7	1754.5	1726.4
157.5°	1888.2	1892.6	1910.0	1927.5	1910.0	1892.6	1888.2	1843.6	1784.3	1754.5	1735.2
160°	1869.1	1871.6	1881.7	1891.7	1881.7	1871.6	1869.1	1830.9	1780.0	1754.5	1739.1
162.5°	1851.2	1853.6	1863.0	1872.6	1863.0	1853.6	1851.2	1819.0	1776.0	1754.5	1743.4
165°	1823.7	1826.2	1836.4	1846.4	1836.4	1826.2	1823.7	1800.7	1769.9	1754.5	1749.5
167.5°	1811.8	1812.8	1817.1	1821.4	1817.1	1812.8	1811.8	1796.7	1776.5	1766.5	1762.3
170°	1811.8	1811.8	1811.8	1811.8	1811.8	1811.8	1811.8	1796.7	1776.5	1766.5	1766.2
172.5°	1802.2	1801.3	1797.6	1793.9	1797.6	1801.3	1802.2	1790.3	1774.4	1766.5	1766.5
175°	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1781.6	1771.5	1766.5	1768.9
177.5°	1786.7	1785.7	1781.4	1777.2	1781.4	1785.7	1786.7	1780.8	1772.9	1768.9	1770.7
180°	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2	1777.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1355.7	1355.7	1355.7	1355.7	1355.7
2.5°	1339.0	1345.4	1349.3	1354.4	1367.2
5°	1287.7	1312.1	1319.7	1339.0	1362.1
7.5°	1174.8	1249.2	1269.7	1315.9	1351.8
10°	1065.8	1140.2	1176.1	1285.1	1339.0
12.5°	1010.6	1054.3	1078.6	1231.3	1321.0
15°	976.0	1006.8	1024.8	1159.4	1300.5
17.5°	949.1	970.9	983.7	1088.9	1272.3
20°	932.4	942.7	954.2	1037.6	1240.2
22.5°	920.9	914.5	923.4	1001.7	1196.6
25°	913.2	888.8	899.1	973.5	1145.3
27.5°	919.6	865.7	869.6	947.8	1091.5
30°	920.9	837.5	838.8	920.9	1031.2
32.5°	911.9	808.0	809.3	887.5	963.2
35°	890.1	773.4	772.1	849.0	870.8
37.5°	860.6	736.2	736.2	806.7	769.5
40°	824.7	699.0	702.8	751.6	679.8
42.5°	781.1	659.2	664.4	678.5	613.0
45°	733.6	620.8	624.6	573.3	561.8
47.5°	681.0	581.0	582.3	475.8	545.1
50°	618.2	540.0	534.8	407.8	543.8
52.5°	563.0	495.0	479.6	369.4	493.8
55°	509.2	447.6	414.2	339.8	457.8
57.5°	461.7	386.0	354.0	305.2	450.2
60°	418.1	325.8	301.4	268.0	413.0
62.5°	382.2	280.8	275.8	242.4	374.5
65°	343.8	250.1	248.8	220.6	318.0
67.5°	306.6	229.6	228.3	200.0	242.4
70°	266.8	207.8	205.2	178.2	179.6
72.5°	225.8	183.4	180.8	160.4	148.8
75°	184.6	155.2	153.9	139.8	120.6
77.5°	145.0	123.2	125.6	112.8	88.5
80°	103.8	89.8	92.4	80.8	66.6
82.5°	69.2	59.0	61.6	51.3	44.8
85°	38.4	33.4	34.6	27.0	20.6
87.5°	18.0	15.4	15.4	10.2	6.4
90°	52.5	33.4	31.0	21.5	12.0
92.5°	323.7	230.3	210.0	128.8	47.7
95°	796.3	448.5	411.4	263.0	114.6
97.5°	1072.8	492.6	459.9	328.9	198.0
100°	1173.3	529.6	499.9	381.1	262.4
102.5°	1219.4	566.5	538.8	428.1	317.3
105°	1253.6	621.4	598.0	504.1	410.3
107.5°	1260.0	702.5	680.6	593.2	505.7
110°	1250.4	747.8	728.1	649.2	570.2



TEST NUMBER: P935848

CATALOG NUMBER: SQ4-FA-150U-050D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1250.8	802.7	783.9	708.6	633.4
115°	1262.4	885.1	867.6	798.2	728.8
117.5°	1285.8	965.0	949.2	886.1	823.0
120°	1304.9	1011.5	996.6	937.3	877.9
122.5°	1332.4	1066.3	1051.3	991.5	931.5
125°	1369.3	1136.7	1123.0	1068.5	1013.9
127.5°	1406.3	1204.7	1190.9	1135.8	1080.7
130°	1433.3	1250.0	1235.2	1175.8	1116.5
132.5°	1455.2	1287.0	1272.2	1212.8	1153.5
135°	1479.0	1330.0	1316.5	1262.4	1208.2
137.5°	1514.8	1384.8	1371.4	1317.9	1264.4
140°	1536.7	1421.8	1409.4	1360.2	1310.8
142.5°	1555.0	1449.2	1437.8	1392.2	1346.6
145°	1578.9	1491.0	1481.0	1441.3	1401.5
147.5°	1613.9	1543.5	1533.8	1495.1	1456.4
150°	1632.0	1570.8	1562.1	1527.1	1492.1
152.5°	1644.1	1588.8	1582.2	1555.6	1529.1
155°	1670.3	1628.1	1623.2	1603.6	1584.0
157.5°	1696.5	1667.5	1662.7	1643.7	1624.6
160°	1708.4	1685.4	1681.7	1666.8	1652.0
162.5°	1721.1	1704.5	1701.7	1690.5	1679.5
165°	1739.4	1731.9	1729.4	1719.2	1709.2
167.5°	1753.8	1747.4	1746.2	1741.4	1736.6
170°	1765.7	1765.3	1764.1	1759.3	1754.5
172.5°	1766.5	1766.5	1766.2	1765.1	1764.1
175°	1773.6	1777.2	1777.2	1777.2	1777.2
177.5°	1774.4	1777.2	1777.2	1777.2	1777.2
180°	1777.2	1777.2	1777.2	1777.2	1777.2



TEST NUMBER: P935848
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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	7.99	8.65	9.14	9.79	11.40	10.82	11.49	11.98	12.63	14.24
	3H	8.45	9.04	9.61	10.19	11.81	12.16	12.75	13.32	13.90	15.52
	4H	8.63	9.19	9.80	10.35	11.97	12.59	13.16	13.77	14.31	15.94
	6H	8.74	9.26	9.92	10.41	12.05	12.87	13.39	14.05	14.54	16.18
	8H	8.73	9.23	9.92	10.40	12.02	12.94	13.43	14.12	14.60	16.23
	12H	8.70	9.17	9.88	10.33	11.98	12.97	13.44	14.16	14.60	16.25
4H	2H	9.00	9.56	10.18	10.71	12.34	11.21	11.77	12.39	12.92	14.55
	3H	10.00	10.48	11.19	11.65	13.29	12.70	13.17	13.88	14.35	15.98
	4H	10.27	10.71	11.46	11.87	13.53	13.22	13.65	14.41	14.82	16.47
	6H	10.39	10.76	11.58	11.94	13.59	13.57	13.95	14.77	15.13	16.78
	8H	10.39	10.73	11.58	11.91	13.57	13.68	14.02	14.87	15.20	16.87
	12H	10.34	10.66	11.55	11.85	13.51	13.73	14.04	14.93	15.23	16.90
8H	4H	10.71	11.06	11.90	12.24	13.90	13.33	13.67	14.52	14.85	16.51
	6H	10.96	11.25	12.17	12.47	14.13	13.76	14.04	14.97	15.26	16.92
	8H	11.00	11.25	12.22	12.45	14.13	13.91	14.16	15.12	15.35	17.03
	12H	10.98	11.20	12.20	12.39	14.10	14.00	14.22	15.22	15.41	17.12
12H	4H	10.71	11.02	11.91	12.21	13.88	13.28	13.60	14.49	14.79	16.45
	6H	11.02	11.27	12.24	12.47	14.15	13.75	14.00	14.97	15.20	16.88
	8H	11.08	11.30	12.30	12.49	14.21	13.91	14.12	15.12	15.32	17.03