

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: P935812

Luminaire Tested: SQ4-FA-150U-050D-830-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935812
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-830-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

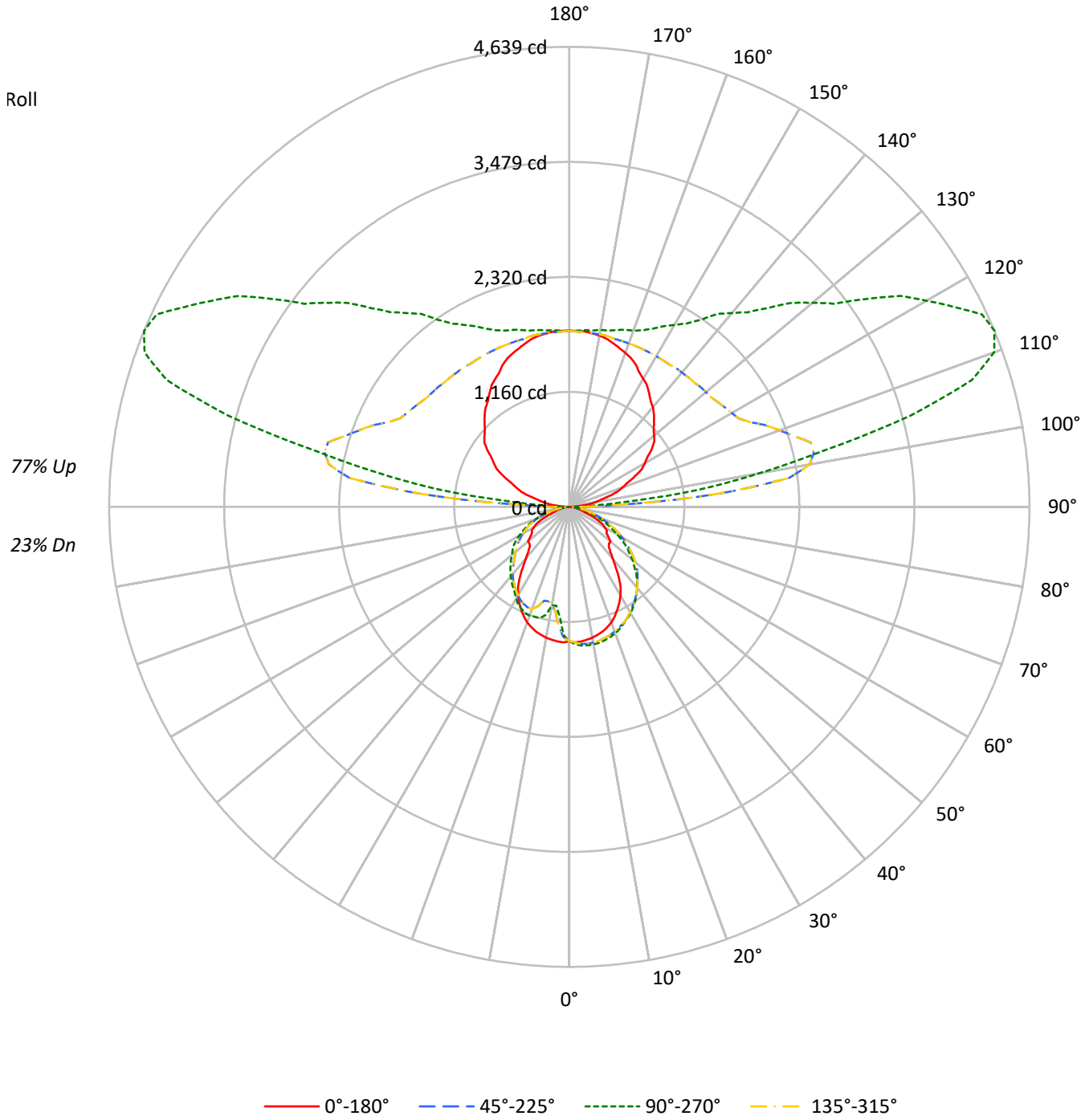
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15039.8 lumens
Efficiency: N/A
Efficacy: 135.2 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





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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6289	6289	6289	6289
5°	6335	6348	6335	4992
10°	6293	6253	6293	4470
15°	6225	6118	6225	5108
20°	6094	5957	6094	5119
25°	5828	5723	5828	5010
30°	5484	5529	5484	4772
35°	4888	5283	4888	4510
40°	4073	4993	4073	4313
45°	3639	4655	3639	4086
50°	3867	4251	3867	3857
55°	3637	3816	3637	3725
60°	3750	3241	3750	3412
65°	3400	2679	3400	2995
70°	2354	2135	2354	2510
75°	2066	1578	2066	1890
80°	1662	1043	1662	1135
85°	960	553	960	470

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5578 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.3	0.8
10°-20°	347.4	2.3
20°-30°	537.0	3.6
30°-40°	641.0	4.3
40°-50°	644.8	4.3
50°-60°	561.1	3.7
60°-70°	397.8	2.6
70°-80°	210.5	1.4
80°-90°	59.2	0.4
90°-100°	866.1	5.8
100°-110°	2277.1	15.1
110°-120°	2361.1	15.7
120°-130°	1893.9	12.6
130°-140°	1486.0	9.9
140°-150°	1140.6	7.6
150°-160°	821.4	5.5
160°-170°	502.6	3.3
170°-180°	169.8	1.1
0°-30°	1006.7	6.7
0°-40°	1647.7	11.0
0°-60°	2853.6	19.0
0°-90°	3521.0	23.4
90°-120°	5504.4	36.6
90°-150°	10024.9	66.7
90°-180°	11519.0	76.6
0°-180°	15039.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1355	1355	1355	1355	1355	
5°	1362	1404	1362	1104	1362	129
15°	1300	1391	1300	1162	1300	366
25°	1145	1298	1145	1136	1145	526
35°	871	1158	871	989	871	539
45°	562	954	562	837	562	450
55°	458	704	458	687	458	421
65°	318	424	318	474	318	304
75°	121	201	121	241	121	127
85°	21	51	21	44	21	28
90°	12	45	12	45	12	11
95°	114	524	114	524	114	127
105°	410	3566	410	3566	410	435
115°	729	4591	729	4591	729	720
125°	1014	3656	1014	3656	1014	900
135°	1208	2837	1208	2837	1208	935
145°	1401	2302	1401	2302	1401	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°	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4
2.5°	1366.9	1366.9	1374.6	1377.2	1377.2	1373.3	1369.5	1373.3	1384.9	1388.7	1387.4
5°	1361.8	1372.1	1386.2	1388.7	1391.3	1390.0	1387.4	1390.0	1402.8	1405.4	1406.7
7.5°	1351.5	1370.8	1388.7	1392.6	1396.4	1392.6	1391.3	1393.8	1406.7	1409.2	1409.2
10°	1338.7	1365.6	1386.2	1388.7	1392.6	1388.7	1388.7	1393.8	1406.7	1409.2	1410.5
12.5°	1320.7	1357.9	1377.2	1379.7	1384.9	1383.6	1382.3	1387.4	1400.3	1402.8	1402.8
15°	1300.3	1343.8	1361.8	1364.3	1373.3	1370.8	1370.8	1375.9	1390.0	1393.8	1392.6
17.5°	1272.1	1325.9	1346.4	1350.3	1356.7	1355.4	1356.7	1361.8	1374.6	1377.2	1378.5
20°	1239.9	1301.5	1325.9	1329.7	1336.1	1336.1	1336.1	1342.5	1355.4	1360.5	1360.5
22.5°	1196.3	1275.9	1301.5	1304.1	1311.8	1311.8	1314.3	1323.3	1334.9	1336.1	1336.1
25°	1145.1	1247.7	1269.5	1277.1	1284.9	1288.7	1292.5	1297.7	1301.5	1300.3	1301.5
27.5°	1091.3	1211.7	1239.9	1245.1	1255.3	1259.2	1264.3	1265.6	1266.9	1270.7	1268.2
30°	1031.0	1161.7	1204.1	1209.2	1225.9	1228.5	1223.3	1225.9	1232.3	1234.9	1237.4
32.5°	963.0	1087.4	1166.9	1178.5	1193.9	1186.1	1184.9	1188.7	1198.9	1198.9	1201.5
35°	870.6	1029.7	1132.3	1142.5	1154.1	1145.1	1150.3	1151.5	1157.9	1161.7	1160.5
37.5°	769.4	979.7	1096.3	1104.1	1113.1	1101.5	1109.2	1113.1	1118.1	1115.6	1115.6
40°	679.6	901.4	1054.1	1059.2	1066.9	1057.9	1065.6	1068.1	1070.7	1068.1	1066.9
42.5°	612.9	815.6	1009.2	1015.6	1010.4	1016.9	1019.4	1024.5	1020.7	1015.6	1015.6
45°	561.6	792.4	960.4	968.1	960.4	970.7	974.5	974.5	963.0	960.4	959.2
47.5°	545.0	746.3	911.7	911.7	907.8	920.7	927.1	918.1	906.6	902.8	902.8
50°	543.7	695.0	845.0	839.9	857.8	873.2	866.8	857.8	848.8	834.8	834.8
52.5°	493.7	632.2	759.2	778.4	806.6	815.6	805.2	796.3	781.0	774.5	769.4
55°	457.7	566.8	680.9	719.4	748.8	760.4	741.2	732.2	709.1	705.2	702.7
57.5°	450.1	471.9	609.1	657.8	693.7	692.4	680.9	664.2	645.0	641.2	639.9
60°	412.9	341.1	532.1	589.9	627.0	623.2	612.9	597.5	579.6	577.0	574.5
62.5°	374.5	247.5	444.9	510.3	562.9	561.6	552.7	529.6	516.7	510.3	505.2
65°	318.0	207.7	316.7	424.5	500.1	502.7	483.4	466.7	452.7	444.9	443.7
67.5°	242.3	169.3	214.1	353.9	439.9	437.3	412.9	405.2	387.3	383.5	375.7
70°	179.5	112.8	148.8	287.3	380.9	374.5	355.2	346.3	329.5	320.5	315.5
72.5°	148.8	91.0	109.0	223.1	320.5	312.9	296.2	285.9	271.9	264.1	259.0
75°	120.6	96.2	83.4	165.4	260.3	255.2	239.8	229.5	218.0	207.7	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	123.1	118.0	118.0
82.5°	44.8	44.8	37.2	52.6	101.3	97.4	92.3	89.8	84.6	82.0	82.0
85°	20.6	25.6	23.0	32.0	55.2	57.7	57.7	55.2	53.8	51.3	52.6
87.5°	6.4	11.6	14.1	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	209.9	230.2	323.6	448.2	510.4	447.3	321.2	226.6	217.6
95°	114.5	262.9	411.3	448.4	796.2	1259.9	1491.8	1331.2	1010.1	769.2	741.9
97.5°	198.0	328.9	459.8	492.5	1072.5	1845.8	2232.5	2130.9	1928.0	1775.7	1723.8
100°	262.3	381.1	499.8	529.5	1173.1	2031.1	2460.2	2467.6	2482.4	2493.5	2431.7
102.5°	317.2	428.0	538.7	566.4	1219.2	2089.4	2524.6	2654.0	2912.5	3106.5	3053.6
105°	410.2	504.0	597.9	621.3	1253.3	2096.0	2517.4	2807.4	3387.2	3822.1	3793.6
107.5°	505.6	593.1	680.5	702.4	1259.7	2002.8	2374.3	2778.7	3587.6	4194.2	4201.0
110°	570.1	649.0	728.0	747.7	1250.2	1920.1	2255.1	2707.2	3611.4	4289.6	4319.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	633.3	708.5	783.7	802.6	1250.5	1847.9	2146.5	2609.2	3534.6	4228.7	4274.3
115°	728.7	798.1	867.5	884.9	1262.1	1765.1	2016.6	2462.3	3353.7	4022.4	4085.6
117.5°	822.8	885.9	949.0	964.8	1285.5	1713.2	1927.1	2329.4	3134.0	3737.4	3807.5
120°	877.7	937.1	996.4	1011.3	1304.7	1695.8	1891.4	2258.9	2994.1	3545.4	3613.5
122.5°	931.3	991.3	1051.1	1066.1	1332.1	1686.7	1863.9	2194.9	2856.9	3353.4	3420.6
125°	1013.6	1068.2	1122.8	1136.5	1369.0	1679.0	1834.1	2115.2	2677.6	3099.4	3161.2
127.5°	1080.5	1135.5	1190.7	1204.5	1406.0	1674.7	1809.0	2050.4	2533.3	2895.4	2947.6
130°	1116.2	1175.6	1235.0	1249.8	1433.0	1677.3	1799.5	2014.4	2444.3	2766.7	2814.9
132.5°	1153.2	1212.6	1272.0	1286.8	1454.9	1679.1	1791.2	1983.5	2368.3	2656.9	2700.1
135°	1208.0	1262.1	1316.2	1329.7	1478.7	1677.5	1776.8	1938.0	2260.3	2501.9	2539.1
137.5°	1264.1	1317.7	1371.1	1384.5	1514.5	1687.8	1774.5	1910.8	2183.1	2387.4	2417.9
140°	1310.6	1359.9	1409.1	1421.5	1536.4	1689.5	1766.1	1883.8	2119.2	2295.6	2324.1
142.5°	1346.3	1391.9	1437.5	1448.9	1554.6	1695.7	1766.1	1869.5	2076.1	2231.2	2255.7
145°	1401.2	1441.0	1480.7	1490.7	1578.5	1695.7	1754.2	1838.7	2007.8	2134.7	2153.2
147.5°	1456.1	1494.8	1533.5	1543.2	1613.5	1707.3	1754.2	1820.7	1953.7	2053.5	2068.9
150°	1491.8	1526.8	1561.8	1570.5	1631.7	1713.3	1754.2	1810.4	1922.7	2007.0	2019.5
152.5°	1528.8	1555.3	1581.9	1588.5	1643.7	1717.4	1754.2	1802.2	1898.0	1970.0	1979.4
155°	1583.7	1603.3	1622.9	1627.8	1669.9	1726.1	1754.2	1792.3	1868.7	1926.0	1932.2
157.5°	1624.2	1643.4	1662.4	1667.2	1696.1	1734.9	1754.2	1783.9	1843.3	1887.8	1892.2
160°	1651.7	1666.5	1681.3	1685.0	1708.1	1738.8	1754.2	1779.6	1830.5	1868.7	1871.2
162.5°	1679.1	1690.2	1701.4	1704.2	1720.8	1743.1	1754.2	1775.7	1818.6	1850.8	1853.2
165°	1708.8	1718.9	1729.0	1731.5	1739.1	1749.1	1754.2	1769.6	1800.3	1823.4	1825.9
167.5°	1736.3	1741.1	1745.8	1747.1	1753.4	1761.9	1766.1	1776.2	1796.3	1811.4	1812.5
170°	1754.2	1758.9	1763.7	1765.0	1765.3	1765.8	1766.1	1776.2	1796.3	1811.4	1811.4
172.5°	1763.7	1764.8	1765.8	1766.1	1766.1	1766.1	1766.1	1774.0	1789.9	1801.9	1800.9
175°	1776.8	1776.8	1776.8	1776.8	1773.3	1768.5	1766.1	1771.2	1781.2	1788.8	1788.8
177.5°	1776.8	1776.8	1776.8	1776.8	1774.0	1770.3	1768.5	1772.5	1780.5	1786.4	1785.3
180°	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4
2.5°	1390.0	1386.2	1390.0	1387.4	1388.7	1384.9	1373.3	1369.5	1373.3	1377.2	1377.2
5°	1406.7	1404.1	1406.7	1406.7	1405.4	1402.8	1390.0	1387.4	1390.0	1391.3	1388.7
7.5°	1411.8	1408.0	1411.8	1409.2	1409.2	1406.7	1393.8	1391.3	1392.6	1396.4	1392.6
10°	1411.8	1408.0	1411.8	1410.5	1409.2	1406.7	1393.8	1388.7	1388.7	1392.6	1388.7
12.5°	1405.4	1402.8	1405.4	1402.8	1402.8	1400.3	1387.4	1382.3	1383.6	1384.9	1379.7
15°	1395.1	1391.3	1395.1	1392.6	1393.8	1390.0	1375.9	1370.8	1370.8	1373.3	1364.3
17.5°	1379.7	1374.6	1379.7	1378.5	1377.2	1374.6	1361.8	1356.7	1355.4	1356.7	1350.3
20°	1361.8	1357.9	1361.8	1360.5	1360.5	1355.4	1342.5	1336.1	1336.1	1336.1	1329.7
22.5°	1333.6	1329.7	1333.6	1336.1	1336.1	1334.9	1323.3	1314.3	1311.8	1311.8	1304.1
25°	1301.5	1297.7	1301.5	1301.5	1300.3	1301.5	1297.7	1292.5	1288.7	1284.9	1277.1
27.5°	1270.7	1268.2	1270.7	1268.2	1270.7	1266.9	1265.6	1264.3	1259.2	1255.3	1245.1
30°	1239.9	1237.4	1239.9	1237.4	1234.9	1232.3	1225.9	1223.3	1228.5	1225.9	1209.2
32.5°	1201.5	1198.9	1201.5	1201.5	1198.9	1198.9	1188.7	1184.9	1186.1	1193.9	1178.5
35°	1161.7	1157.9	1161.7	1160.5	1161.7	1157.9	1151.5	1150.3	1145.1	1154.1	1142.5
37.5°	1115.6	1111.7	1115.6	1115.6	1115.6	1118.1	1113.1	1109.2	1101.5	1113.1	1104.1
40°	1068.1	1063.0	1068.1	1066.9	1068.1	1070.7	1068.1	1065.6	1057.9	1066.9	1059.2
42.5°	1014.3	1013.0	1014.3	1015.6	1015.6	1020.7	1024.5	1019.4	1016.9	1010.4	1015.6
45°	956.6	954.0	956.6	959.2	960.4	963.0	974.5	974.5	970.7	960.4	968.1
47.5°	895.0	888.6	895.0	902.8	902.8	906.6	918.1	927.1	920.7	907.8	911.7
50°	829.6	831.0	829.6	834.8	834.8	848.8	857.8	866.8	873.2	857.8	839.9
52.5°	765.6	764.2	765.6	769.4	774.5	781.0	796.3	805.2	815.6	806.6	778.4
55°	701.4	704.0	701.4	702.7	705.2	709.1	732.2	741.2	760.4	748.8	719.4
57.5°	637.3	633.4	637.3	639.9	641.2	645.0	664.2	680.9	692.4	693.7	657.8
60°	562.9	557.8	562.9	574.5	577.0	579.6	597.5	612.9	623.2	627.0	589.9
62.5°	497.5	488.5	497.5	505.2	510.3	516.7	529.6	552.7	561.6	562.9	510.3
65°	428.3	424.5	428.3	443.7	444.9	452.7	466.7	483.4	502.7	500.1	424.5
67.5°	365.5	365.5	365.5	375.7	383.5	387.3	405.2	412.9	437.3	439.9	353.9
70°	307.7	306.5	307.7	315.5	320.5	329.5	346.3	355.2	374.5	380.9	287.3
72.5°	252.6	251.3	252.6	259.0	264.1	271.9	285.9	296.2	312.9	320.5	223.1
75°	203.9	201.3	203.9	209.0	207.7	218.0	229.5	239.8	255.2	260.3	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°	116.7	115.4	116.7	118.0	118.0	123.1	132.1	141.0	148.8	148.8	83.4
82.5°	82.0	79.5	82.0	82.0	82.0	84.6	89.8	92.3	97.4	101.3	52.6
85°	51.3	51.3	51.3	52.6	51.3	53.8	55.2	57.7	57.7	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°	181.5	145.5	181.5	217.6	226.6	321.2	447.3	510.4	448.2	323.6	230.2
95°	632.7	523.5	632.7	741.9	769.2	1010.1	1331.2	1491.8	1259.9	796.2	448.4
97.5°	1515.9	1308.2	1515.9	1723.8	1775.7	1928.0	2130.9	2232.5	1845.8	1072.5	492.5
100°	2184.2	1936.7	2184.2	2431.7	2493.5	2482.4	2467.6	2460.2	2031.1	1173.1	529.5
102.5°	2841.5	2629.6	2841.5	3053.6	3106.5	2912.5	2654.0	2524.6	2089.4	1219.2	566.4
105°	3679.6	3565.7	3679.6	3793.6	3822.1	3387.2	2807.4	2517.4	2096.0	1253.3	621.3
107.5°	4228.6	4256.1	4228.6	4201.0	4194.2	3587.6	2778.7	2374.3	2002.8	1259.7	702.4
110°	4437.9	4556.7	4437.9	4319.2	4289.6	3611.4	2707.2	2255.1	1920.1	1250.2	747.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4456.6	4638.9	4456.6	4274.3	4228.7	3534.6	2609.2	2146.5	1847.9	1250.5	802.6
115°	4338.4	4591.2	4338.4	4085.6	4022.4	3353.7	2462.3	2016.6	1765.1	1262.1	884.9
117.5°	4087.9	4368.3	4087.9	3807.5	3737.4	3134.0	2329.4	1927.1	1713.2	1285.5	964.8
120°	3885.9	4158.3	3885.9	3613.5	3545.4	2994.1	2258.9	1891.4	1695.8	1304.7	1011.3
122.5°	3689.3	3958.0	3689.3	3420.6	3353.4	2856.9	2194.9	1863.9	1686.7	1332.1	1066.1
125°	3408.8	3656.3	3408.8	3161.2	3099.4	2677.6	2115.2	1834.1	1679.0	1369.0	1136.5
127.5°	3156.5	3365.3	3156.5	2947.6	2895.4	2533.3	2050.4	1809.0	1674.7	1406.0	1204.5
130°	3007.9	3200.8	3007.9	2814.9	2766.7	2444.3	2014.4	1799.5	1677.3	1433.0	1249.8
132.5°	2872.9	3045.7	2872.9	2700.1	2656.9	2368.3	1983.5	1791.2	1679.1	1454.9	1286.8
135°	2688.1	2837.0	2688.1	2539.1	2501.9	2260.3	1938.0	1776.8	1677.5	1478.7	1329.7
137.5°	2539.8	2661.7	2539.8	2417.9	2387.4	2183.1	1910.8	1774.5	1687.8	1514.5	1384.5
140°	2438.1	2552.0	2438.1	2324.1	2295.6	2119.2	1883.8	1766.1	1689.5	1536.4	1421.5
142.5°	2353.8	2451.9	2353.8	2255.7	2231.2	2076.1	1869.5	1766.1	1695.7	1554.6	1448.9
145°	2227.4	2301.6	2227.4	2153.2	2134.7	2007.8	1838.7	1754.2	1695.7	1578.5	1490.7
147.5°	2130.4	2191.8	2130.4	2068.9	2053.5	1953.7	1820.7	1754.2	1707.3	1613.5	1543.2
150°	2069.4	2119.2	2069.4	2019.5	2007.0	1922.7	1810.4	1754.2	1713.3	1631.7	1570.5
152.5°	2017.1	2054.7	2017.1	1979.4	1970.0	1898.0	1802.2	1754.2	1717.4	1643.7	1588.5
155°	1957.1	1982.0	1957.1	1932.2	1926.0	1868.7	1792.3	1754.2	1726.1	1669.9	1627.8
157.5°	1909.6	1927.1	1909.6	1892.2	1887.8	1843.3	1783.9	1754.2	1734.9	1696.1	1667.2
160°	1881.3	1891.4	1881.3	1871.2	1868.7	1830.5	1779.6	1754.2	1738.8	1708.1	1685.0
162.5°	1862.7	1872.2	1862.7	1853.2	1850.8	1818.6	1775.7	1754.2	1743.1	1720.8	1704.2
165°	1836.0	1846.0	1836.0	1825.9	1823.4	1800.3	1769.6	1754.2	1749.1	1739.1	1731.5
167.5°	1816.8	1821.0	1816.8	1812.5	1811.4	1796.3	1776.2	1766.1	1761.9	1753.4	1747.1
170°	1811.4	1811.4	1811.4	1811.4	1811.4	1796.3	1776.2	1766.1	1765.8	1765.3	1765.0
172.5°	1797.3	1793.6	1797.3	1800.9	1801.9	1789.9	1774.0	1766.1	1766.1	1766.1	1766.1
175°	1788.8	1788.8	1788.8	1788.8	1788.8	1781.2	1771.2	1766.1	1768.5	1773.3	1776.8
177.5°	1781.0	1776.8	1781.0	1785.3	1786.4	1780.5	1772.5	1768.5	1770.3	1774.0	1776.8
180°	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8



TEST NUMBER: P935812

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4
2.5°	1374.6	1366.9	1366.9	1354.1	1349.0	1345.1	1338.7	1319.5	1314.3	1309.2	1316.9
5°	1386.2	1372.1	1361.8	1338.7	1319.5	1311.8	1287.4	1241.3	1210.5	1187.4	1174.5
7.5°	1388.7	1370.8	1351.5	1315.6	1269.5	1248.9	1174.5	1089.9	1066.9	1046.3	1033.5
10°	1386.2	1365.6	1338.7	1284.9	1175.9	1139.9	1065.6	1010.4	996.3	992.5	996.3
12.5°	1377.2	1357.9	1320.7	1231.0	1078.4	1054.1	1010.4	978.4	975.8	982.2	1016.9
15°	1361.8	1343.8	1300.3	1159.1	1024.5	1006.6	975.8	964.3	978.4	1023.3	1127.1
17.5°	1346.4	1325.9	1272.1	1088.7	983.5	970.7	948.9	972.0	1051.5	1111.7	1146.3
20°	1325.9	1301.5	1239.9	1037.4	954.0	942.5	932.2	1036.1	1096.3	1118.1	1137.4
22.5°	1301.5	1275.9	1196.3	1001.5	923.2	914.3	920.7	1072.0	1096.3	1111.7	1128.4
25°	1269.5	1247.7	1145.1	973.3	898.9	888.6	913.0	1068.1	1082.3	1086.1	1119.5
27.5°	1239.9	1211.7	1091.3	947.6	869.4	865.6	919.4	1051.5	1061.7	1065.6	1101.5
30°	1204.1	1161.7	1031.0	920.7	838.6	837.4	920.7	1031.0	1028.4	1038.7	1074.5
32.5°	1166.9	1087.4	963.0	887.4	809.2	807.8	911.7	1000.2	997.6	1011.7	1038.7
35°	1132.3	1029.7	870.6	848.8	772.0	773.2	889.9	964.3	965.6	978.4	995.1
37.5°	1096.3	979.7	769.4	806.6	736.0	736.0	860.4	931.0	928.4	932.2	955.3
40°	1054.1	901.4	679.6	751.4	702.7	698.8	824.6	895.0	886.0	884.8	916.8
42.5°	1009.2	815.6	612.9	678.4	664.2	659.1	781.0	851.4	834.8	838.6	879.6
45°	960.4	792.4	561.6	573.2	624.5	620.6	733.4	801.4	789.8	800.2	842.4
47.5°	911.7	746.3	545.0	475.7	582.2	580.9	680.9	752.7	746.3	756.6	801.4
50°	845.0	695.0	543.7	407.7	534.7	539.9	618.1	705.2	705.2	714.2	761.6
52.5°	759.2	632.2	493.7	369.3	479.5	494.9	562.9	664.2	666.8	675.8	718.1
55°	680.9	566.8	457.7	339.8	414.1	447.5	509.1	621.9	627.0	636.0	674.5
57.5°	609.1	471.9	450.1	305.2	353.9	385.9	461.7	580.9	583.4	591.1	628.3
60°	532.1	341.1	412.9	268.0	301.3	325.7	418.1	532.1	541.1	546.3	578.3
62.5°	444.9	247.5	374.5	242.3	275.7	280.8	382.1	486.0	497.5	501.4	520.6
65°	316.7	207.7	318.0	220.5	248.8	250.1	343.7	438.5	448.8	455.2	469.3
67.5°	214.1	169.3	242.3	200.0	228.3	229.5	306.5	383.5	397.5	402.7	411.7
70°	148.8	112.8	179.5	178.2	205.2	207.7	266.7	333.4	346.3	350.1	355.2
72.5°	109.0	91.0	148.8	160.3	180.8	183.4	225.7	277.0	289.8	293.7	296.2
75°	83.4	96.2	120.6	139.8	153.9	155.2	184.6	225.7	234.7	237.2	238.5
77.5°	66.6	89.8	88.5	112.8	125.6	123.1	144.9	174.4	182.1	182.1	182.1
80°	50.0	70.6	66.6	80.8	92.3	89.8	103.8	124.4	127.0	129.5	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°	14.1	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°	209.9	128.8	47.7	128.8	209.9	230.2	323.6	448.2	510.4	447.3	321.2
95°	411.3	262.9	114.5	262.9	411.3	448.4	796.2	1259.9	1491.8	1331.2	1010.1
97.5°	459.8	328.9	198.0	328.9	459.8	492.5	1072.5	1845.8	2232.5	2130.9	1928.0
100°	499.8	381.1	262.3	381.1	499.8	529.5	1173.1	2031.1	2460.2	2467.6	2482.4
102.5°	538.7	428.0	317.2	428.0	538.7	566.4	1219.2	2089.4	2524.6	2654.0	2912.5
105°	597.9	504.0	410.2	504.0	597.9	621.3	1253.3	2096.0	2517.4	2807.4	3387.2
107.5°	680.5	593.1	505.6	593.1	680.5	702.4	1259.7	2002.8	2374.3	2778.7	3587.6
110°	728.0	649.0	570.1	649.0	728.0	747.7	1250.2	1920.1	2255.1	2707.2	3611.4



TEST NUMBER: P935812

CATALOG NUMBER: SQ4-FA-150U-050D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	783.7	708.5	633.3	708.5	783.7	802.6	1250.5	1847.9	2146.5	2609.2	3534.6
115°	867.5	798.1	728.7	798.1	867.5	884.9	1262.1	1765.1	2016.6	2462.3	3353.7
117.5°	949.0	885.9	822.8	885.9	949.0	964.8	1285.5	1713.2	1927.1	2329.4	3134.0
120°	996.4	937.1	877.7	937.1	996.4	1011.3	1304.7	1695.8	1891.4	2258.9	2994.1
122.5°	1051.1	991.3	931.3	991.3	1051.1	1066.1	1332.1	1686.7	1863.9	2194.9	2856.9
125°	1122.8	1068.2	1013.6	1068.2	1122.8	1136.5	1369.0	1679.0	1834.1	2115.2	2677.6
127.5°	1190.7	1135.5	1080.5	1135.5	1190.7	1204.5	1406.0	1674.7	1809.0	2050.4	2533.3
130°	1235.0	1175.6	1116.2	1175.6	1235.0	1249.8	1433.0	1677.3	1799.5	2014.4	2444.3
132.5°	1272.0	1212.6	1153.2	1212.6	1272.0	1286.8	1454.9	1679.1	1791.2	1983.5	2368.3
135°	1316.2	1262.1	1208.0	1262.1	1316.2	1329.7	1478.7	1677.5	1776.8	1938.0	2260.3
137.5°	1371.1	1317.7	1264.1	1317.7	1371.1	1384.5	1514.5	1687.8	1774.5	1910.8	2183.1
140°	1409.1	1359.9	1310.6	1359.9	1409.1	1421.5	1536.4	1689.5	1766.1	1883.8	2119.2
142.5°	1437.5	1391.9	1346.3	1391.9	1437.5	1448.9	1554.6	1695.7	1766.1	1869.5	2076.1
145°	1480.7	1441.0	1401.2	1441.0	1480.7	1490.7	1578.5	1695.7	1754.2	1838.7	2007.8
147.5°	1533.5	1494.8	1456.1	1494.8	1533.5	1543.2	1613.5	1707.3	1754.2	1820.7	1953.7
150°	1561.8	1526.8	1491.8	1526.8	1561.8	1570.5	1631.7	1713.3	1754.2	1810.4	1922.7
152.5°	1581.9	1555.3	1528.8	1555.3	1581.9	1588.5	1643.7	1717.4	1754.2	1802.2	1898.0
155°	1622.9	1603.3	1583.7	1603.3	1622.9	1627.8	1669.9	1726.1	1754.2	1792.3	1868.7
157.5°	1662.4	1643.4	1624.2	1643.4	1662.4	1667.2	1696.1	1734.9	1754.2	1783.9	1843.3
160°	1681.3	1666.5	1651.7	1666.5	1681.3	1685.0	1708.1	1738.8	1754.2	1779.6	1830.5
162.5°	1701.4	1690.2	1679.1	1690.2	1701.4	1704.2	1720.8	1743.1	1754.2	1775.7	1818.6
165°	1729.0	1718.9	1708.8	1718.9	1729.0	1731.5	1739.1	1749.1	1754.2	1769.6	1800.3
167.5°	1745.8	1741.1	1736.3	1741.1	1745.8	1747.1	1753.4	1761.9	1766.1	1776.2	1796.3
170°	1763.7	1758.9	1754.2	1758.9	1763.7	1765.0	1765.3	1765.8	1766.1	1776.2	1796.3
172.5°	1765.8	1764.8	1763.7	1764.8	1765.8	1766.1	1766.1	1766.1	1766.1	1774.0	1789.9
175°	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1773.3	1768.5	1766.1	1771.2	1781.2
177.5°	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1774.0	1770.3	1768.5	1772.5	1780.5
180°	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8



TEST NUMBER: P935812

CATALOG NUMBER: SQ4-FA-150U-050D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4	1355.4
2.5°	1307.9	1304.1	1309.2	1295.1	1309.2	1304.1	1307.9	1316.9	1309.2	1314.3	1319.5
5°	1147.7	1141.3	1120.7	1104.1	1120.7	1141.3	1147.7	1174.5	1187.4	1210.5	1241.3
7.5°	1025.8	1020.7	1015.6	1005.3	1015.6	1020.7	1025.8	1033.5	1046.3	1066.9	1089.9
10°	998.9	1000.2	1007.9	1006.6	1007.9	1000.2	998.9	996.3	992.5	996.3	1010.4
12.5°	1068.1	1079.7	1122.0	1119.5	1122.0	1079.7	1068.1	1016.9	982.2	975.8	978.4
15°	1147.7	1151.5	1160.5	1161.7	1160.5	1151.5	1147.7	1127.1	1023.3	978.4	964.3
17.5°	1155.3	1156.7	1163.1	1163.1	1163.1	1156.7	1155.3	1146.3	1111.7	1051.5	972.0
20°	1148.9	1151.5	1164.3	1166.9	1164.3	1151.5	1148.9	1137.4	1118.1	1096.3	1036.1
22.5°	1146.3	1151.5	1161.7	1160.5	1161.7	1151.5	1146.3	1128.4	1111.7	1096.3	1072.0
25°	1133.5	1133.5	1134.9	1136.1	1134.9	1133.5	1133.5	1119.5	1086.1	1082.3	1068.1
27.5°	1106.6	1109.2	1116.9	1115.6	1116.9	1109.2	1106.6	1101.5	1065.6	1061.7	1051.5
30°	1082.3	1079.7	1073.3	1068.1	1073.3	1079.7	1082.3	1074.5	1038.7	1028.4	1031.0
32.5°	1041.2	1034.8	1028.4	1024.5	1028.4	1034.8	1041.2	1038.7	1011.7	997.6	1000.2
35°	992.5	993.8	992.5	988.6	992.5	993.8	992.5	995.1	978.4	965.6	964.3
37.5°	957.9	960.4	959.2	954.0	959.2	960.4	957.9	955.3	932.2	928.4	931.0
40°	922.0	923.2	922.0	918.1	922.0	923.2	922.0	916.8	884.8	886.0	895.0
42.5°	887.4	886.0	882.2	879.6	882.2	886.0	887.4	879.6	838.6	834.8	851.4
45°	847.6	848.8	841.2	837.4	841.2	848.8	847.6	842.4	800.2	789.8	801.4
47.5°	807.8	807.8	801.4	797.6	801.4	807.8	807.8	801.4	756.6	746.3	752.7
50°	765.6	764.2	755.2	754.0	755.2	764.2	765.6	761.6	714.2	705.2	705.2
52.5°	716.8	716.8	718.1	720.6	718.1	716.8	716.8	718.1	675.8	666.8	664.2
55°	674.5	675.8	684.8	687.3	684.8	675.8	674.5	674.5	636.0	627.0	621.9
57.5°	630.9	630.9	637.3	637.3	637.3	630.9	630.9	628.3	591.1	583.4	580.9
60°	580.9	583.4	588.6	587.3	588.6	583.4	580.9	578.3	546.3	541.1	532.1
62.5°	528.3	530.9	532.1	529.6	532.1	530.9	528.3	520.6	501.4	497.5	486.0
65°	473.1	475.7	477.0	474.5	477.0	475.7	473.1	469.3	455.2	448.8	438.5
67.5°	416.7	415.5	414.1	419.3	414.1	415.5	416.7	411.7	402.7	397.5	383.5
70°	359.1	359.1	357.7	360.3	357.7	359.1	359.1	355.2	350.1	346.3	333.4
72.5°	297.5	296.2	301.3	297.5	301.3	296.2	297.5	296.2	293.7	289.8	277.0
75°	237.2	239.8	237.2	241.1	237.2	239.8	237.2	238.5	237.2	234.7	225.7
77.5°	180.8	183.4	180.8	180.8	180.8	183.4	180.8	182.1	182.1	182.1	174.4
80°	128.2	127.0	127.0	125.6	127.0	127.0	128.2	128.2	129.5	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	181.5	145.5	181.5	217.6	226.6	321.2	447.3	510.4	448.2
95°	769.2	741.9	632.7	523.5	632.7	741.9	769.2	1010.1	1331.2	1491.8	1259.9
97.5°	1775.7	1723.8	1515.9	1308.2	1515.9	1723.8	1775.7	1928.0	2130.9	2232.5	1845.8
100°	2493.5	2431.7	2184.2	1936.7	2184.2	2431.7	2493.5	2482.4	2467.6	2460.2	2031.1
102.5°	3106.5	3053.6	2841.5	2629.6	2841.5	3053.6	3106.5	2912.5	2654.0	2524.6	2089.4
105°	3822.1	3793.6	3679.6	3565.7	3679.6	3793.6	3822.1	3387.2	2807.4	2517.4	2096.0
107.5°	4194.2	4201.0	4228.6	4256.1	4228.6	4201.0	4194.2	3587.6	2778.7	2374.3	2002.8
110°	4289.6	4319.2	4437.9	4556.7	4437.9	4319.2	4289.6	3611.4	2707.2	2255.1	1920.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4228.7	4274.3	4456.6	4638.9	4456.6	4274.3	4228.7	3534.6	2609.2	2146.5	1847.9
115°	4022.4	4085.6	4338.4	4591.2	4338.4	4085.6	4022.4	3353.7	2462.3	2016.6	1765.1
117.5°	3737.4	3807.5	4087.9	4368.3	4087.9	3807.5	3737.4	3134.0	2329.4	1927.1	1713.2
120°	3545.4	3613.5	3885.9	4158.3	3885.9	3613.5	3545.4	2994.1	2258.9	1891.4	1695.8
122.5°	3353.4	3420.6	3689.3	3958.0	3689.3	3420.6	3353.4	2856.9	2194.9	1863.9	1686.7
125°	3099.4	3161.2	3408.8	3656.3	3408.8	3161.2	3099.4	2677.6	2115.2	1834.1	1679.0
127.5°	2895.4	2947.6	3156.5	3365.3	3156.5	2947.6	2895.4	2533.3	2050.4	1809.0	1674.7
130°	2766.7	2814.9	3007.9	3200.8	3007.9	2814.9	2766.7	2444.3	2014.4	1799.5	1677.3
132.5°	2656.9	2700.1	2872.9	3045.7	2872.9	2700.1	2656.9	2368.3	1983.5	1791.2	1679.1
135°	2501.9	2539.1	2688.1	2837.0	2688.1	2539.1	2501.9	2260.3	1938.0	1776.8	1677.5
137.5°	2387.4	2417.9	2539.8	2661.7	2539.8	2417.9	2387.4	2183.1	1910.8	1774.5	1687.8
140°	2295.6	2324.1	2438.1	2552.0	2438.1	2324.1	2295.6	2119.2	1883.8	1766.1	1689.5
142.5°	2231.2	2255.7	2353.8	2451.9	2353.8	2255.7	2231.2	2076.1	1869.5	1766.1	1695.7
145°	2134.7	2153.2	2227.4	2301.6	2227.4	2153.2	2134.7	2007.8	1838.7	1754.2	1695.7
147.5°	2053.5	2068.9	2130.4	2191.8	2130.4	2068.9	2053.5	1953.7	1820.7	1754.2	1707.3
150°	2007.0	2019.5	2069.4	2119.2	2069.4	2019.5	2007.0	1922.7	1810.4	1754.2	1713.3
152.5°	1970.0	1979.4	2017.1	2054.7	2017.1	1979.4	1970.0	1898.0	1802.2	1754.2	1717.4
155°	1926.0	1932.2	1957.1	1982.0	1957.1	1932.2	1926.0	1868.7	1792.3	1754.2	1726.1
157.5°	1887.8	1892.2	1909.6	1927.1	1909.6	1892.2	1887.8	1843.3	1783.9	1754.2	1734.9
160°	1868.7	1871.2	1881.3	1891.4	1881.3	1871.2	1868.7	1830.5	1779.6	1754.2	1738.8
162.5°	1850.8	1853.2	1862.7	1872.2	1862.7	1853.2	1850.8	1818.6	1775.7	1754.2	1743.1
165°	1823.4	1825.9	1836.0	1846.0	1836.0	1825.9	1823.4	1800.3	1769.6	1754.2	1749.1
167.5°	1811.4	1812.5	1816.8	1821.0	1816.8	1812.5	1811.4	1796.3	1776.2	1766.1	1761.9
170°	1811.4	1811.4	1811.4	1811.4	1811.4	1811.4	1811.4	1796.3	1776.2	1766.1	1765.8
172.5°	1801.9	1800.9	1797.3	1793.6	1797.3	1800.9	1801.9	1789.9	1774.0	1766.1	1766.1
175°	1788.8	1788.8	1788.8	1788.8	1788.8	1788.8	1788.8	1781.2	1771.2	1766.1	1768.5
177.5°	1786.4	1785.3	1781.0	1776.8	1781.0	1785.3	1786.4	1780.5	1772.5	1768.5	1770.3
180°	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8	1776.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1355.4	1355.4	1355.4	1355.4	1355.4
2.5°	1338.7	1345.1	1349.0	1354.1	1366.9
5°	1287.4	1311.8	1319.5	1338.7	1361.8
7.5°	1174.5	1248.9	1269.5	1315.6	1351.5
10°	1065.6	1139.9	1175.9	1284.9	1338.7
12.5°	1010.4	1054.1	1078.4	1231.0	1320.7
15°	975.8	1006.6	1024.5	1159.1	1300.3
17.5°	948.9	970.7	983.5	1088.7	1272.1
20°	932.2	942.5	954.0	1037.4	1239.9
22.5°	920.7	914.3	923.2	1001.5	1196.3
25°	913.0	888.6	898.9	973.3	1145.1
27.5°	919.4	865.6	869.4	947.6	1091.3
30°	920.7	837.4	838.6	920.7	1031.0
32.5°	911.7	807.8	809.2	887.4	963.0
35°	889.9	773.2	772.0	848.8	870.6
37.5°	860.4	736.0	736.0	806.6	769.4
40°	824.6	698.8	702.7	751.4	679.6
42.5°	781.0	659.1	664.2	678.4	612.9
45°	733.4	620.6	624.5	573.2	561.6
47.5°	680.9	580.9	582.2	475.7	545.0
50°	618.1	539.9	534.7	407.7	543.7
52.5°	562.9	494.9	479.5	369.3	493.7
55°	509.1	447.5	414.1	339.8	457.7
57.5°	461.7	385.9	353.9	305.2	450.1
60°	418.1	325.7	301.3	268.0	412.9
62.5°	382.1	280.8	275.7	242.3	374.5
65°	343.7	250.1	248.8	220.5	318.0
67.5°	306.5	229.5	228.3	200.0	242.3
70°	266.7	207.7	205.2	178.2	179.5
72.5°	225.7	183.4	180.8	160.3	148.8
75°	184.6	155.2	153.9	139.8	120.6
77.5°	144.9	123.1	125.6	112.8	88.5
80°	103.8	89.8	92.3	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°	323.6	230.2	209.9	128.8	47.7
95°	796.2	448.4	411.3	262.9	114.5
97.5°	1072.5	492.5	459.8	328.9	198.0
100°	1173.1	529.5	499.8	381.1	262.3
102.5°	1219.2	566.4	538.7	428.0	317.2
105°	1253.3	621.3	597.9	504.0	410.2
107.5°	1259.7	702.4	680.5	593.1	505.6
110°	1250.2	747.7	728.0	649.0	570.1



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CATALOG NUMBER: SQ4-FA-150U-050D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1250.5	802.6	783.7	708.5	633.3
115°	1262.1	884.9	867.5	798.1	728.7
117.5°	1285.5	964.8	949.0	885.9	822.8
120°	1304.7	1011.3	996.4	937.1	877.7
122.5°	1332.1	1066.1	1051.1	991.3	931.3
125°	1369.0	1136.5	1122.8	1068.2	1013.6
127.5°	1406.0	1204.5	1190.7	1135.5	1080.5
130°	1433.0	1249.8	1235.0	1175.6	1116.2
132.5°	1454.9	1286.8	1272.0	1212.6	1153.2
135°	1478.7	1329.7	1316.2	1262.1	1208.0
137.5°	1514.5	1384.5	1371.1	1317.7	1264.1
140°	1536.4	1421.5	1409.1	1359.9	1310.6
142.5°	1554.6	1448.9	1437.5	1391.9	1346.3
145°	1578.5	1490.7	1480.7	1441.0	1401.2
147.5°	1613.5	1543.2	1533.5	1494.8	1456.1
150°	1631.7	1570.5	1561.8	1526.8	1491.8
152.5°	1643.7	1588.5	1581.9	1555.3	1528.8
155°	1669.9	1627.8	1622.9	1603.3	1583.7
157.5°	1696.1	1667.2	1662.4	1643.4	1624.2
160°	1708.1	1685.0	1681.3	1666.5	1651.7
162.5°	1720.8	1704.2	1701.4	1690.2	1679.1
165°	1739.1	1731.5	1729.0	1718.9	1708.8
167.5°	1753.4	1747.1	1745.8	1741.1	1736.3
170°	1765.3	1765.0	1763.7	1758.9	1754.2
172.5°	1766.1	1766.1	1765.8	1764.8	1763.7
175°	1773.3	1776.8	1776.8	1776.8	1776.8
177.5°	1774.0	1776.8	1776.8	1776.8	1776.8
180°	1776.8	1776.8	1776.8	1776.8	1776.8



TEST NUMBER: P935812
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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	15.93
	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	9.91	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	10.47	11.19	11.65	13.29	12.70	13.17	13.88	14.34	15.98
	4H	10.27	10.71	11.46	11.87	13.53	13.22	13.65	14.40	14.82	16.47
	6H	10.39	10.76	11.58	11.94	13.59	13.57	13.95	14.76	15.13	16.78
	8H	10.39	10.73	11.58	11.91	13.57	13.68	14.02	14.87	15.20	16.86
	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	14.78	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	14.20	13.91	14.12	15.12	15.32	17.03