

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: P934254

Luminaire Tested: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934254
REPORT IS A COMBINATION OF REPORTS P933689 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

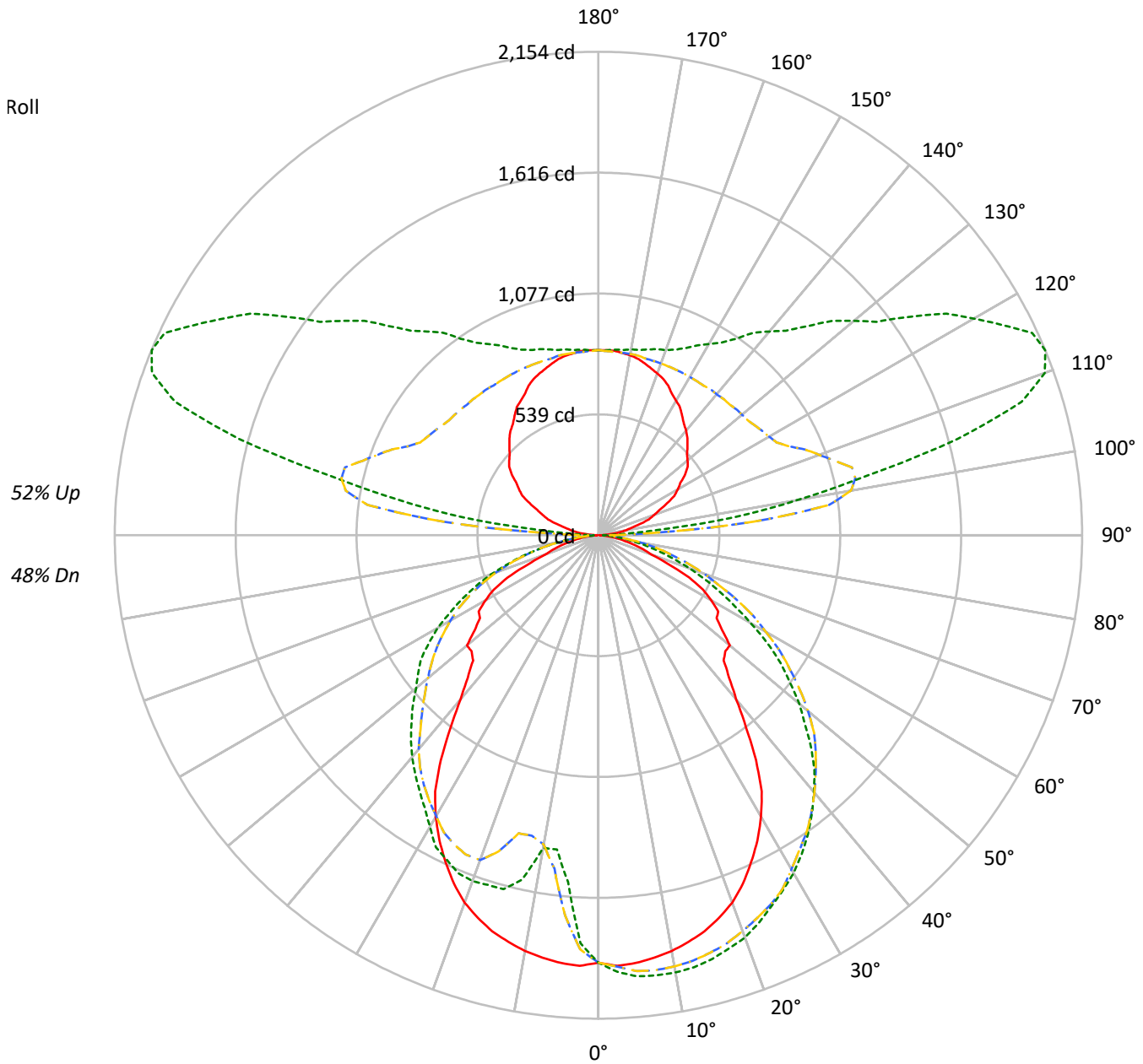
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10287.1 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 85.2
Input Voltage (V): NR
Input Current (A_{in}): 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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	97	93	89	86	89	86	83	80	72	70	68	60	58	56	48	47	46	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29
4	74	63	55	49	68	58	52	46	50	44	40	41	37	34	33	31	28	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13
10	47	34	27	22	43	32	26	21	28	22	19	23	19	16	20	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5889	5889	5889	5889
5°	5935	5945	5935	4674
10°	5898	5856	5898	4187
15°	5836	5729	5836	4784
20°	5716	5579	5716	4794
25°	5469	5359	5469	4692
30°	5148	5177	5148	4469
35°	4592	4947	4592	4224
40°	3828	4676	3828	4039
45°	3422	4359	3422	3826
50°	3639	3981	3639	3612
55°	3427	3573	3427	3489
60°	3538	3035	3538	3195
65°	3213	2509	3213	2804
70°	2230	2000	2230	2351
75°	1962	1478	1962	1769
80°	1592	977	1592	1064
85°	933	518	933	440

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5242 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.9	1.7
10°-20°	488.0	4.7
20°-30°	754.3	7.3
30°-40°	900.5	8.8
40°-50°	905.8	8.8
50°-60°	788.2	7.7
60°-70°	558.8	5.4
70°-80°	295.6	2.9
80°-90°	76.8	0.7
90°-100°	402.1	3.9
100°-110°	1057.1	10.3
110°-120°	1096.1	10.7
120°-130°	879.2	8.5
130°-140°	689.9	6.7
140°-150°	529.5	5.1
150°-160°	381.3	3.7
160°-170°	233.3	2.3
170°-180°	78.8	0.8
0°-30°	1414.2	13.7
0°-40°	2314.7	22.5
0°-60°	4008.7	39.0
0°-90°	4939.9	48.0
90°-120°	2555.2	24.8
90°-150°	4653.8	45.2
90°-180°	5347.0	52.0
0°-180°	10287.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1904	1904	1904	1904	1904	
5°	1913	1972	1913	1551	1913	181
15°	1826	1954	1826	1632	1826	514
25°	1609	1823	1609	1596	1609	739
35°	1223	1627	1223	1389	1223	757
45°	789	1340	789	1176	789	632
55°	643	989	643	966	643	591
65°	447	596	447	666	447	427
75°	169	283	169	339	169	178
85°	29	72	29	61	29	39
90°	6	21	6	21	6	6
95°	53	243	53	243	53	59
105°	190	1655	190	1655	190	202
115°	338	2131	338	2131	338	334
125°	471	1697	471	1697	471	418
135°	561	1317	561	1317	561	434
145°	650	1068	650	1068	650	408
155°	735	920	735	920	735	338
165°	793	857	793	857	793	224
175°	825	830	825	830	825	78
180°	825	825	825	825	825	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0
2.5°	1920.2	1920.2	1931.0	1934.6	1934.6	1929.2	1923.8	1929.2	1945.4	1950.8	1949.0
5°	1913.0	1927.4	1947.2	1950.8	1954.5	1952.7	1949.0	1952.7	1970.7	1974.3	1976.0
7.5°	1898.6	1925.6	1950.8	1956.3	1961.6	1956.3	1954.5	1958.0	1976.0	1979.6	1979.6
10°	1880.6	1918.4	1947.2	1950.8	1956.3	1950.8	1950.8	1958.0	1976.0	1979.6	1981.5
12.5°	1855.4	1907.6	1934.6	1938.3	1945.4	1943.6	1941.8	1949.0	1967.1	1970.7	1970.7
15°	1826.5	1887.8	1913.0	1916.6	1929.2	1925.6	1925.6	1932.8	1952.7	1958.0	1956.3
17.5°	1787.0	1862.6	1891.4	1896.8	1905.9	1904.0	1905.9	1913.0	1931.0	1934.6	1936.5
20°	1741.9	1828.3	1862.6	1868.0	1877.0	1877.0	1877.0	1886.0	1904.0	1911.2	1911.2
22.5°	1680.7	1792.3	1828.3	1832.0	1842.7	1842.7	1846.4	1858.9	1875.1	1877.0	1877.0
25°	1608.6	1752.7	1783.3	1794.1	1804.9	1810.3	1815.8	1822.9	1828.3	1826.5	1828.3
27.5°	1533.0	1702.3	1741.9	1749.1	1763.5	1768.9	1776.1	1777.9	1779.7	1785.1	1781.5
30°	1448.3	1632.0	1691.4	1698.7	1722.0	1725.7	1718.5	1722.0	1731.1	1734.7	1738.2
32.5°	1352.8	1527.5	1639.2	1655.4	1677.0	1666.3	1664.4	1669.8	1684.3	1684.3	1687.8
35°	1223.1	1446.5	1590.6	1605.0	1621.2	1608.6	1615.8	1617.6	1626.6	1632.0	1630.2
37.5°	1080.8	1376.2	1540.1	1550.9	1563.6	1547.4	1558.1	1563.6	1570.7	1567.2	1567.2
40°	954.7	1266.3	1480.7	1487.9	1498.7	1486.1	1496.9	1500.5	1504.1	1500.5	1498.7
42.5°	861.0	1145.6	1417.6	1426.7	1419.4	1428.5	1432.1	1439.3	1433.8	1426.7	1426.7
45°	788.9	1113.2	1349.2	1360.0	1349.2	1363.6	1369.0	1369.0	1352.8	1349.2	1347.4
47.5°	765.6	1048.4	1280.7	1280.7	1275.4	1293.4	1302.3	1289.8	1273.6	1268.1	1268.1
50°	763.8	976.3	1187.1	1179.8	1205.1	1226.7	1217.7	1205.1	1192.5	1172.7	1172.7
52.5°	693.5	888.1	1066.4	1093.4	1133.0	1145.6	1131.2	1118.6	1097.0	1088.0	1080.8
55°	643.1	796.2	956.5	1010.5	1052.0	1068.2	1041.2	1028.5	996.1	990.8	987.2
57.5°	632.3	662.9	855.6	924.1	974.5	972.8	956.5	933.1	906.1	900.7	898.9
60°	580.1	479.2	747.6	828.6	880.8	875.4	861.0	839.4	814.2	810.6	807.0
62.5°	526.0	347.6	625.0	717.0	790.7	788.9	776.4	743.9	725.9	717.0	709.7
65°	446.8	291.8	445.0	596.3	702.6	706.1	679.1	655.7	635.9	625.0	623.2
67.5°	340.5	237.8	300.8	497.2	617.9	614.3	580.1	569.2	544.0	538.6	527.8
70°	252.2	158.6	209.0	403.5	535.0	526.0	499.0	486.3	463.0	450.3	443.1
72.5°	209.0	127.9	153.1	313.4	450.3	439.5	416.1	401.7	381.9	371.1	363.9
75°	169.3	135.1	117.1	232.3	365.6	358.5	336.8	322.4	306.2	291.8	293.6
77.5°	124.3	126.1	93.6	171.1	290.0	279.2	266.6	248.6	241.4	227.0	227.0
80°	93.6	99.1	70.3	117.1	209.0	209.0	198.1	185.5	172.9	165.7	165.7
82.5°	63.0	63.0	52.2	73.9	142.3	136.9	129.7	126.1	118.9	115.3	115.3
85°	28.8	36.0	32.4	45.0	77.4	81.0	81.0	77.4	75.7	72.1	73.9
87.5°	9.0	16.2	19.8	25.2	39.7	41.5	43.2	43.2	43.2	45.0	45.0
90°	5.6	9.9	14.4	15.5	24.4	36.2	42.1	37.4	28.0	21.0	21.0
92.5°	22.1	59.7	97.4	106.8	150.1	208.0	236.9	207.6	149.1	105.2	101.0
95°	53.2	122.0	191.0	208.2	369.6	584.9	692.5	617.9	468.9	357.1	344.3
97.5°	91.9	152.7	213.4	228.7	497.9	856.8	1036.3	989.2	895.0	824.3	800.2
100°	121.8	176.9	232.0	245.8	544.5	942.9	1142.1	1145.5	1152.4	1157.5	1128.8
102.5°	147.3	198.7	250.1	263.0	565.9	970.0	1172.0	1231.9	1352.0	1442.1	1417.5
105°	190.4	233.9	277.5	288.4	581.8	973.0	1168.7	1303.2	1572.3	1774.2	1761.0
107.5°	234.8	275.3	316.0	326.1	584.8	929.8	1102.2	1290.0	1665.5	1947.0	1950.3
110°	264.7	301.3	338.0	347.1	580.3	891.4	1046.9	1256.7	1676.5	1991.3	2005.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	293.9	328.8	363.8	372.5	580.5	857.8	996.5	1211.3	1640.8	1963.1	1984.2
115°	338.2	370.5	402.7	410.8	585.9	819.4	936.1	1143.0	1556.9	1867.3	1896.6
117.5°	381.9	411.2	440.5	447.8	596.7	795.3	894.6	1081.4	1454.8	1734.9	1767.4
120°	407.5	435.0	462.5	469.4	605.6	787.2	878.0	1048.7	1389.9	1645.9	1677.5
122.5°	432.3	460.2	487.9	494.9	618.4	783.0	865.2	1018.9	1326.2	1556.7	1587.8
125°	470.6	495.9	521.3	527.6	635.6	779.5	851.4	982.0	1243.0	1438.8	1467.5
127.5°	501.6	527.2	552.8	559.1	652.7	777.4	839.8	951.9	1176.0	1344.1	1368.4
130°	518.2	545.8	573.3	580.2	665.2	778.7	835.4	935.2	1134.7	1284.3	1306.7
132.5°	535.3	562.9	590.5	597.4	675.4	779.5	831.5	920.8	1099.4	1233.4	1253.4
135°	560.8	585.9	611.0	617.2	686.4	778.7	824.9	899.7	1049.3	1161.5	1178.8
137.5°	586.8	611.7	636.6	642.7	703.1	783.6	823.8	887.0	1013.5	1108.3	1122.5
140°	608.4	631.3	654.1	659.8	713.2	784.3	819.8	874.5	983.8	1065.7	1078.9
142.5°	625.0	646.1	667.4	672.6	721.7	787.2	819.8	867.8	963.8	1035.8	1047.2
145°	650.4	668.9	687.3	692.0	732.8	787.2	814.4	853.6	932.1	990.9	999.5
147.5°	676.0	693.9	711.9	716.3	749.0	792.6	814.4	845.3	907.0	953.3	960.5
150°	692.5	708.7	725.0	729.1	757.5	795.4	814.4	840.4	892.5	931.7	937.5
152.5°	709.7	722.0	734.3	737.4	763.1	797.3	814.4	836.7	881.2	914.6	918.9
155°	735.1	744.3	753.4	755.6	775.3	801.3	814.4	832.1	867.5	894.1	896.9
157.5°	754.0	762.9	771.7	773.9	787.4	805.4	814.4	828.2	855.6	876.3	878.4
160°	766.7	773.6	780.5	782.2	793.0	807.2	814.4	826.2	849.7	867.5	868.6
162.5°	779.5	784.7	789.8	791.1	798.9	809.2	814.4	824.3	844.2	859.1	860.2
165°	793.3	798.0	802.6	803.8	807.3	812.0	814.4	821.5	835.8	846.4	847.6
167.5°	806.0	808.2	810.4	811.0	813.9	817.9	819.8	824.5	833.9	840.9	841.4
170°	814.4	816.5	818.8	819.3	819.5	819.7	819.8	824.5	833.9	840.9	840.9
172.5°	818.8	819.2	819.7	819.8	819.8	819.8	819.8	823.5	830.9	836.5	836.0
175°	824.9	824.9	824.9	824.9	823.1	820.9	819.8	822.2	826.9	830.4	830.4
177.5°	824.9	824.9	824.9	824.9	823.6	821.9	821.0	822.9	826.6	829.3	828.8
180°	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0
2.5°	1952.7	1947.2	1952.7	1949.0	1950.8	1945.4	1929.2	1923.8	1929.2	1934.6	1934.6
5°	1976.0	1972.5	1976.0	1976.0	1974.3	1970.7	1952.7	1949.0	1952.7	1954.5	1950.8
7.5°	1983.3	1977.8	1983.3	1979.6	1979.6	1976.0	1958.0	1954.5	1956.3	1961.6	1956.3
10°	1983.3	1977.8	1983.3	1981.5	1979.6	1976.0	1958.0	1950.8	1950.8	1956.3	1950.8
12.5°	1974.3	1970.7	1974.3	1970.7	1970.7	1967.1	1949.0	1941.8	1943.6	1945.4	1938.3
15°	1959.8	1954.5	1959.8	1956.3	1958.0	1952.7	1932.8	1925.6	1925.6	1929.2	1916.6
17.5°	1938.3	1931.0	1938.3	1936.5	1934.6	1931.0	1913.0	1905.9	1904.0	1905.9	1896.8
20°	1913.0	1907.6	1913.0	1911.2	1911.2	1904.0	1886.0	1877.0	1877.0	1877.0	1868.0
22.5°	1873.4	1868.0	1873.4	1877.0	1877.0	1875.1	1858.9	1846.4	1842.7	1842.7	1832.0
25°	1828.3	1822.9	1828.3	1828.3	1826.5	1828.3	1822.9	1815.8	1810.3	1804.9	1794.1
27.5°	1785.1	1781.5	1785.1	1781.5	1785.1	1779.7	1777.9	1776.1	1768.9	1763.5	1749.1
30°	1741.9	1738.2	1741.9	1738.2	1734.7	1731.1	1722.0	1718.5	1725.7	1722.0	1698.7
32.5°	1687.8	1684.3	1687.8	1687.8	1684.3	1684.3	1669.8	1664.4	1666.3	1677.0	1655.4
35°	1632.0	1626.6	1632.0	1630.2	1632.0	1626.6	1617.6	1615.8	1608.6	1621.2	1605.0
37.5°	1567.2	1561.8	1567.2	1567.2	1567.2	1570.7	1563.6	1558.1	1547.4	1563.6	1550.9
40°	1500.5	1493.3	1500.5	1498.7	1500.5	1504.1	1500.5	1496.9	1486.1	1498.7	1487.9
42.5°	1424.9	1423.0	1424.9	1426.7	1426.7	1433.8	1439.3	1432.1	1428.5	1419.4	1426.7
45°	1343.8	1340.2	1343.8	1347.4	1349.2	1352.8	1369.0	1369.0	1363.6	1349.2	1360.0
47.5°	1257.3	1248.3	1257.3	1268.1	1268.1	1273.6	1289.8	1302.3	1293.4	1275.4	1280.7
50°	1165.4	1167.2	1165.4	1172.7	1172.7	1192.5	1205.1	1217.7	1226.7	1205.1	1179.8
52.5°	1075.4	1073.6	1075.4	1080.8	1088.0	1097.0	1118.6	1131.2	1145.6	1133.0	1093.4
55°	985.3	989.0	985.3	987.2	990.8	996.1	1028.5	1041.2	1068.2	1052.0	1010.5
57.5°	895.2	889.9	895.2	898.9	900.7	906.1	933.1	956.5	972.8	974.5	924.1
60°	790.7	783.6	790.7	807.0	810.6	814.2	839.4	861.0	875.4	880.8	828.6
62.5°	698.9	686.3	698.9	709.7	717.0	725.9	743.9	776.4	788.9	790.7	717.0
65°	601.6	596.3	601.6	623.2	625.0	635.9	655.7	679.1	706.1	702.6	596.3
67.5°	513.4	513.4	513.4	527.8	538.6	544.0	569.2	580.1	614.3	617.9	497.2
70°	432.3	430.6	432.3	443.1	450.3	463.0	486.3	499.0	526.0	535.0	403.5
72.5°	354.9	353.0	354.9	363.9	371.1	381.9	401.7	416.1	439.5	450.3	313.4
75°	286.4	282.8	286.4	293.6	291.8	306.2	322.4	336.8	358.5	365.6	232.3
77.5°	219.8	219.8	219.8	227.0	227.0	241.4	248.6	266.6	279.2	290.0	171.1
80°	163.9	162.1	163.9	165.7	165.7	172.9	185.5	198.1	209.0	209.0	117.1
82.5°	115.3	111.6	115.3	115.3	115.3	118.9	126.1	129.7	136.9	142.3	73.9
85°	72.1	72.1	72.1	73.9	72.1	75.7	77.4	81.0	81.0	77.4	45.0
87.5°	46.8	45.0	46.8	45.0	45.0	43.2	43.2	43.2	41.5	39.7	25.2
90°	21.0	21.0	21.0	21.0	21.0	28.0	37.4	42.1	36.2	24.4	15.5
92.5°	84.2	67.5	84.2	101.0	105.2	149.1	207.6	236.9	208.0	150.1	106.8
95°	293.7	243.0	293.7	344.3	357.1	468.9	617.9	692.5	584.9	369.6	208.2
97.5°	703.7	607.3	703.7	800.2	824.3	895.0	989.2	1036.3	856.8	497.9	228.7
100°	1013.9	899.1	1013.9	1128.8	1157.5	1152.4	1145.5	1142.1	942.9	544.5	245.8
102.5°	1319.1	1220.7	1319.1	1417.5	1442.1	1352.0	1231.9	1172.0	970.0	565.9	263.0
105°	1708.2	1655.3	1708.2	1761.0	1774.2	1572.3	1303.2	1168.7	973.0	581.8	288.4
107.5°	1963.0	1975.8	1963.0	1950.3	1947.0	1665.5	1290.0	1102.2	929.8	584.8	326.1
110°	2060.1	2115.3	2060.1	2005.1	1991.3	1676.5	1256.7	1046.9	891.4	580.3	347.1



TEST NUMBER: P934254

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2068.9	2153.5	2068.9	1984.2	1963.1	1640.8	1211.3	996.5	857.8	580.5	372.5
115°	2014.0	2131.4	2014.0	1896.6	1867.3	1556.9	1143.0	936.1	819.4	585.9	410.8
117.5°	1897.6	2027.8	1897.6	1767.4	1734.9	1454.8	1081.4	894.6	795.3	596.7	447.8
120°	1804.0	1930.4	1804.0	1677.5	1645.9	1389.9	1048.7	878.0	787.2	605.6	469.4
122.5°	1712.6	1837.4	1712.6	1587.8	1556.7	1326.2	1018.9	865.2	783.0	618.4	494.9
125°	1582.4	1697.3	1582.4	1467.5	1438.8	1243.0	982.0	851.4	779.5	635.6	527.6
127.5°	1465.3	1562.2	1465.3	1368.4	1344.1	1176.0	951.9	839.8	777.4	652.7	559.1
130°	1396.3	1485.9	1396.3	1306.7	1284.3	1134.7	935.2	835.4	778.7	665.2	580.2
132.5°	1333.7	1413.9	1333.7	1253.4	1233.4	1099.4	920.8	831.5	779.5	675.4	597.4
135°	1247.9	1317.0	1247.9	1178.8	1161.5	1049.3	899.7	824.9	778.7	686.4	617.2
137.5°	1179.0	1235.6	1179.0	1122.5	1108.3	1013.5	887.0	823.8	783.6	703.1	642.7
140°	1131.8	1184.7	1131.8	1078.9	1065.7	983.8	874.5	819.8	784.3	713.2	659.8
142.5°	1092.7	1138.2	1092.7	1047.2	1035.8	963.8	867.8	819.8	787.2	721.7	672.6
145°	1034.0	1068.5	1034.0	999.5	990.9	932.1	853.6	814.4	787.2	732.8	692.0
147.5°	989.0	1017.5	989.0	960.5	953.3	907.0	845.3	814.4	792.6	749.0	716.3
150°	960.6	983.8	960.6	937.5	931.7	892.5	840.4	814.4	795.4	757.5	729.1
152.5°	936.4	953.9	936.4	918.9	914.6	881.2	836.7	814.4	797.3	763.1	737.4
155°	908.6	920.1	908.6	896.9	894.1	867.5	832.1	814.4	801.3	775.3	755.6
157.5°	886.4	894.6	886.4	878.4	876.3	855.6	828.2	814.4	805.4	787.4	773.9
160°	873.4	878.0	873.4	868.6	867.5	849.7	826.2	814.4	807.2	793.0	782.2
162.5°	864.7	869.2	864.7	860.2	859.1	844.2	824.3	814.4	809.2	798.9	791.1
165°	852.3	857.0	852.3	847.6	846.4	835.8	821.5	814.4	812.0	807.3	803.8
167.5°	843.4	845.4	843.4	841.4	840.9	833.9	824.5	819.8	817.9	813.9	811.0
170°	840.9	840.9	840.9	840.9	840.9	833.9	824.5	819.8	819.7	819.5	819.3
172.5°	834.3	832.6	834.3	836.0	836.5	830.9	823.5	819.8	819.8	819.8	819.8
175°	830.4	830.4	830.4	830.4	830.4	826.9	822.2	819.8	820.9	823.1	824.9
177.5°	826.8	824.9	826.8	828.8	829.3	826.6	822.9	821.0	821.9	823.6	824.9
180°	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9



TEST NUMBER: P934254

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0
2.5°	1931.0	1920.2	1920.2	1902.2	1895.0	1889.6	1880.6	1853.6	1846.4	1839.1	1850.0
5°	1947.2	1927.4	1913.0	1880.6	1853.6	1842.7	1808.5	1743.7	1700.5	1668.1	1650.1
7.5°	1950.8	1925.6	1898.6	1848.2	1783.3	1754.5	1650.1	1531.2	1498.7	1469.9	1451.8
10°	1947.2	1918.4	1880.6	1804.9	1651.9	1601.4	1496.9	1419.4	1399.6	1394.3	1399.6
12.5°	1934.6	1907.6	1855.4	1729.3	1515.0	1480.7	1419.4	1374.4	1370.8	1379.9	1428.5
15°	1913.0	1887.8	1826.5	1628.4	1439.3	1414.1	1370.8	1354.6	1374.4	1437.4	1583.4
17.5°	1891.4	1862.6	1787.0	1529.4	1381.6	1363.6	1332.9	1365.4	1477.1	1561.8	1610.4
20°	1862.6	1828.3	1741.9	1457.3	1340.2	1324.0	1309.6	1455.5	1540.1	1570.7	1597.8
22.5°	1828.3	1792.3	1680.7	1406.8	1296.9	1284.3	1293.4	1505.9	1540.1	1561.8	1585.1
25°	1783.3	1752.7	1608.6	1367.2	1262.7	1248.3	1282.5	1500.5	1520.3	1525.7	1572.5
27.5°	1741.9	1702.3	1533.0	1331.1	1221.3	1215.9	1291.6	1477.1	1491.5	1496.9	1547.4
30°	1691.4	1632.0	1448.3	1293.4	1178.1	1176.3	1293.4	1448.3	1444.7	1459.1	1509.5
32.5°	1639.2	1527.5	1352.8	1246.5	1136.6	1134.8	1280.7	1405.0	1401.4	1421.2	1459.1
35°	1590.6	1446.5	1223.1	1192.5	1084.4	1086.2	1250.1	1354.6	1356.4	1374.4	1397.9
37.5°	1540.1	1376.2	1080.8	1133.0	1034.0	1034.0	1208.7	1307.8	1304.2	1309.6	1342.0
40°	1480.7	1266.3	954.7	1055.6	987.2	981.7	1158.3	1257.3	1244.8	1243.0	1287.9
42.5°	1417.6	1145.6	861.0	952.9	933.1	925.8	1097.0	1196.0	1172.7	1178.1	1235.7
45°	1349.2	1113.2	788.9	805.2	877.2	871.9	1030.3	1125.9	1109.6	1124.1	1183.5
47.5°	1280.7	1048.4	765.6	668.3	817.8	816.0	956.5	1057.4	1048.4	1062.8	1125.9
50°	1187.1	976.3	763.8	572.8	751.2	758.3	868.3	990.8	990.8	1003.4	1070.0
52.5°	1066.4	888.1	693.5	518.7	673.7	695.3	790.7	933.1	936.7	949.3	1008.7
55°	956.5	796.2	643.1	477.4	581.9	628.7	715.1	873.6	880.8	893.4	947.5
57.5°	855.6	662.9	632.3	428.7	497.2	542.2	648.5	816.0	819.6	830.4	882.7
60°	747.6	479.2	580.1	376.5	423.3	457.5	587.2	747.6	760.1	767.4	812.4
62.5°	625.0	347.6	526.0	340.5	387.3	394.5	536.8	682.7	698.9	704.3	731.4
65°	445.0	291.8	446.8	309.9	349.4	351.2	482.8	616.1	630.5	639.4	659.3
67.5°	300.8	237.8	340.5	281.0	320.6	322.4	430.6	538.6	558.4	565.7	578.2
70°	209.0	158.6	252.2	250.4	288.2	291.8	374.7	468.3	486.3	491.8	499.0
72.5°	153.1	127.9	209.0	225.2	254.0	257.6	317.0	389.1	407.1	412.5	416.1
75°	117.1	135.1	169.3	196.3	216.1	217.9	259.4	317.0	329.7	333.2	335.0
77.5°	93.6	126.1	124.3	158.6	176.6	172.9	203.6	245.0	255.8	255.8	255.8
80°	70.3	99.1	93.6	113.5	129.7	126.1	145.9	174.8	178.3	181.9	180.1
82.5°	52.2	63.0	63.0	72.1	86.5	82.9	97.2	113.5	113.5	113.5	117.1
85°	32.4	36.0	28.8	37.9	48.6	46.8	54.1	61.2	63.0	63.0	59.4
87.5°	19.8	16.2	9.0	14.4	21.6	21.6	25.2	27.0	25.2	25.2	25.2
90°	14.4	9.9	5.6	9.9	14.4	15.5	24.4	36.2	42.1	37.4	28.0
92.5°	97.4	59.7	22.1	59.7	97.4	106.8	150.1	208.0	236.9	207.6	149.1
95°	191.0	122.0	53.2	122.0	191.0	208.2	369.6	584.9	692.5	617.9	468.9
97.5°	213.4	152.7	91.9	152.7	213.4	228.7	497.9	856.8	1036.3	989.2	895.0
100°	232.0	176.9	121.8	176.9	232.0	245.8	544.5	942.9	1142.1	1145.5	1152.4
102.5°	250.1	198.7	147.3	198.7	250.1	263.0	565.9	970.0	1172.0	1231.9	1352.0
105°	277.5	233.9	190.4	233.9	277.5	288.4	581.8	973.0	1168.7	1303.2	1572.3
107.5°	316.0	275.3	234.8	275.3	316.0	326.1	584.8	929.8	1102.2	1290.0	1665.5
110°	338.0	301.3	264.7	301.3	338.0	347.1	580.3	891.4	1046.9	1256.7	1676.5



TEST NUMBER: P934254

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	363.8	328.8	293.9	328.8	363.8	372.5	580.5	857.8	996.5	1211.3	1640.8
115°	402.7	370.5	338.2	370.5	402.7	410.8	585.9	819.4	936.1	1143.0	1556.9
117.5°	440.5	411.2	381.9	411.2	440.5	447.8	596.7	795.3	894.6	1081.4	1454.8
120°	462.5	435.0	407.5	435.0	462.5	469.4	605.6	787.2	878.0	1048.7	1389.9
122.5°	487.9	460.2	432.3	460.2	487.9	494.9	618.4	783.0	865.2	1018.9	1326.2
125°	521.3	495.9	470.6	495.9	521.3	527.6	635.6	779.5	851.4	982.0	1243.0
127.5°	552.8	527.2	501.6	527.2	552.8	559.1	652.7	777.4	839.8	951.9	1176.0
130°	573.3	545.8	518.2	545.8	573.3	580.2	665.2	778.7	835.4	935.2	1134.7
132.5°	590.5	562.9	535.3	562.9	590.5	597.4	675.4	779.5	831.5	920.8	1099.4
135°	611.0	585.9	560.8	585.9	611.0	617.2	686.4	778.7	824.9	899.7	1049.3
137.5°	636.6	611.7	586.8	611.7	636.6	642.7	703.1	783.6	823.8	887.0	1013.5
140°	654.1	631.3	608.4	631.3	654.1	659.8	713.2	784.3	819.8	874.5	983.8
142.5°	667.4	646.1	625.0	646.1	667.4	672.6	721.7	787.2	819.8	867.8	963.8
145°	687.3	668.9	650.4	668.9	687.3	692.0	732.8	787.2	814.4	853.6	932.1
147.5°	711.9	693.9	676.0	693.9	711.9	716.3	749.0	792.6	814.4	845.3	907.0
150°	725.0	708.7	692.5	708.7	725.0	729.1	757.5	795.4	814.4	840.4	892.5
152.5°	734.3	722.0	709.7	722.0	734.3	737.4	763.1	797.3	814.4	836.7	881.2
155°	753.4	744.3	735.1	744.3	753.4	755.6	775.3	801.3	814.4	832.1	867.5
157.5°	771.7	762.9	754.0	762.9	771.7	773.9	787.4	805.4	814.4	828.2	855.6
160°	780.5	773.6	766.7	773.6	780.5	782.2	793.0	807.2	814.4	826.2	849.7
162.5°	789.8	784.7	779.5	784.7	789.8	791.1	798.9	809.2	814.4	824.3	844.2
165°	802.6	798.0	793.3	798.0	802.6	803.8	807.3	812.0	814.4	821.5	835.8
167.5°	810.4	808.2	806.0	808.2	810.4	811.0	813.9	817.9	819.8	824.5	833.9
170°	818.8	816.5	814.4	816.5	818.8	819.3	819.5	819.7	819.8	824.5	833.9
172.5°	819.7	819.2	818.8	819.2	819.7	819.8	819.8	819.8	819.8	823.5	830.9
175°	824.9	824.9	824.9	824.9	824.9	824.9	823.1	820.9	819.8	822.2	826.9
177.5°	824.9	824.9	824.9	824.9	824.9	824.9	823.6	821.9	821.0	822.9	826.6
180°	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9



TEST NUMBER: P934254

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0
2.5°	1837.4	1832.0	1839.1	1819.4	1839.1	1832.0	1837.4	1850.0	1839.1	1846.4	1853.6
5°	1612.2	1603.1	1574.4	1550.9	1574.4	1603.1	1612.2	1650.1	1668.1	1700.5	1743.7
7.5°	1441.1	1433.8	1426.7	1412.3	1426.7	1433.8	1441.1	1451.8	1469.9	1498.7	1531.2
10°	1403.2	1405.0	1415.8	1414.1	1415.8	1405.0	1403.2	1399.6	1394.3	1399.6	1419.4
12.5°	1500.5	1516.7	1576.2	1572.5	1576.2	1516.7	1500.5	1428.5	1379.9	1370.8	1374.4
15°	1612.2	1617.6	1630.2	1632.0	1630.2	1617.6	1612.2	1583.4	1437.4	1374.4	1354.6
17.5°	1623.0	1624.8	1633.8	1633.8	1633.8	1624.8	1623.0	1610.4	1561.8	1477.1	1365.4
20°	1614.0	1617.6	1635.6	1639.2	1635.6	1617.6	1614.0	1597.8	1570.7	1540.1	1455.5
22.5°	1610.4	1617.6	1632.0	1630.2	1632.0	1617.6	1610.4	1585.1	1561.8	1540.1	1505.9
25°	1592.4	1592.4	1594.2	1596.0	1594.2	1592.4	1592.4	1572.5	1525.7	1520.3	1500.5
27.5°	1554.5	1558.1	1568.9	1567.2	1568.9	1558.1	1554.5	1547.4	1496.9	1491.5	1477.1
30°	1520.3	1516.7	1507.7	1500.5	1507.7	1516.7	1520.3	1509.5	1459.1	1444.7	1448.3
32.5°	1462.7	1453.6	1444.7	1439.3	1444.7	1453.6	1462.7	1459.1	1421.2	1401.4	1405.0
35°	1394.3	1396.1	1394.3	1388.8	1394.3	1396.1	1394.3	1397.9	1374.4	1356.4	1354.6
37.5°	1345.6	1349.2	1347.4	1340.2	1347.4	1349.2	1345.6	1342.0	1309.6	1304.2	1307.8
40°	1295.2	1296.9	1295.2	1289.8	1295.2	1296.9	1295.2	1287.9	1243.0	1244.8	1257.3
42.5°	1246.5	1244.8	1239.3	1235.7	1239.3	1244.8	1246.5	1235.7	1178.1	1172.7	1196.0
45°	1190.7	1192.5	1181.6	1176.3	1181.6	1192.5	1190.7	1183.5	1124.1	1109.6	1125.9
47.5°	1134.8	1134.8	1125.9	1120.4	1125.9	1134.8	1134.8	1125.9	1062.8	1048.4	1057.4
50°	1075.4	1073.6	1060.9	1059.2	1060.9	1073.6	1075.4	1070.0	1003.4	990.8	990.8
52.5°	1007.0	1007.0	1008.7	1012.3	1008.7	1007.0	1007.0	1008.7	949.3	936.7	933.1
55°	947.5	949.3	961.9	965.5	961.9	949.3	947.5	947.5	893.4	880.8	873.6
57.5°	886.3	886.3	895.2	895.2	895.2	886.3	886.3	882.7	830.4	819.6	816.0
60°	816.0	819.6	826.8	825.0	826.8	819.6	816.0	812.4	767.4	760.1	747.6
62.5°	742.1	745.8	747.6	743.9	747.6	745.8	742.1	731.4	704.3	698.9	682.7
65°	664.7	668.3	670.1	666.5	670.1	668.3	664.7	659.3	639.4	630.5	616.1
67.5°	585.4	583.7	581.9	589.0	581.9	583.7	585.4	578.2	565.7	558.4	538.6
70°	504.3	504.3	502.5	506.2	502.5	504.3	504.3	499.0	491.8	486.3	468.3
72.5°	417.9	416.1	423.3	417.9	423.3	416.1	417.9	416.1	412.5	407.1	389.1
75°	333.2	336.8	333.2	338.6	333.2	336.8	333.2	335.0	333.2	329.7	317.0
77.5°	254.0	257.6	254.0	254.0	254.0	257.6	254.0	255.8	255.8	255.8	245.0
80°	180.1	178.3	178.3	176.6	178.3	178.3	180.1	180.1	181.9	178.3	174.8
82.5°	115.3	113.5	113.5	117.1	113.5	113.5	115.3	117.1	113.5	113.5	113.5
85°	63.0	64.8	61.2	61.2	61.2	64.8	63.0	59.4	63.0	63.0	61.2
87.5°	23.5	21.6	21.6	21.6	21.6	21.6	23.5	25.2	25.2	25.2	27.0
90°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	28.0	37.4	42.1	36.2
92.5°	105.2	101.0	84.2	67.5	84.2	101.0	105.2	149.1	207.6	236.9	208.0
95°	357.1	344.3	293.7	243.0	293.7	344.3	357.1	468.9	617.9	692.5	584.9
97.5°	824.3	800.2	703.7	607.3	703.7	800.2	824.3	895.0	989.2	1036.3	856.8
100°	1157.5	1128.8	1013.9	899.1	1013.9	1128.8	1157.5	1152.4	1145.5	1142.1	942.9
102.5°	1442.1	1417.5	1319.1	1220.7	1319.1	1417.5	1442.1	1352.0	1231.9	1172.0	970.0
105°	1774.2	1761.0	1708.2	1655.3	1708.2	1761.0	1774.2	1572.3	1303.2	1168.7	973.0
107.5°	1947.0	1950.3	1963.0	1975.8	1963.0	1950.3	1947.0	1665.5	1290.0	1102.2	929.8
110°	1991.3	2005.1	2060.1	2115.3	2060.1	2005.1	1991.3	1676.5	1256.7	1046.9	891.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1963.1	1984.2	2068.9	2153.5	2068.9	1984.2	1963.1	1640.8	1211.3	996.5	857.8
115°	1867.3	1896.6	2014.0	2131.4	2014.0	1896.6	1867.3	1556.9	1143.0	936.1	819.4
117.5°	1734.9	1767.4	1897.6	2027.8	1897.6	1767.4	1734.9	1454.8	1081.4	894.6	795.3
120°	1645.9	1677.5	1804.0	1930.4	1804.0	1677.5	1645.9	1389.9	1048.7	878.0	787.2
122.5°	1556.7	1587.8	1712.6	1837.4	1712.6	1587.8	1556.7	1326.2	1018.9	865.2	783.0
125°	1438.8	1467.5	1582.4	1697.3	1582.4	1467.5	1438.8	1243.0	982.0	851.4	779.5
127.5°	1344.1	1368.4	1465.3	1562.2	1465.3	1368.4	1344.1	1176.0	951.9	839.8	777.4
130°	1284.3	1306.7	1396.3	1485.9	1396.3	1306.7	1284.3	1134.7	935.2	835.4	778.7
132.5°	1233.4	1253.4	1333.7	1413.9	1333.7	1253.4	1233.4	1099.4	920.8	831.5	779.5
135°	1161.5	1178.8	1247.9	1317.0	1247.9	1178.8	1161.5	1049.3	899.7	824.9	778.7
137.5°	1108.3	1122.5	1179.0	1235.6	1179.0	1122.5	1108.3	1013.5	887.0	823.8	783.6
140°	1065.7	1078.9	1131.8	1184.7	1131.8	1078.9	1065.7	983.8	874.5	819.8	784.3
142.5°	1035.8	1047.2	1092.7	1138.2	1092.7	1047.2	1035.8	963.8	867.8	819.8	787.2
145°	990.9	999.5	1034.0	1068.5	1034.0	999.5	990.9	932.1	853.6	814.4	787.2
147.5°	953.3	960.5	989.0	1017.5	989.0	960.5	953.3	907.0	845.3	814.4	792.6
150°	931.7	937.5	960.6	983.8	960.6	937.5	931.7	892.5	840.4	814.4	795.4
152.5°	914.6	918.9	936.4	953.9	936.4	918.9	914.6	881.2	836.7	814.4	797.3
155°	894.1	896.9	908.6	920.1	908.6	896.9	894.1	867.5	832.1	814.4	801.3
157.5°	876.3	878.4	886.4	894.6	886.4	878.4	876.3	855.6	828.2	814.4	805.4
160°	867.5	868.6	873.4	878.0	873.4	868.6	867.5	849.7	826.2	814.4	807.2
162.5°	859.1	860.2	864.7	869.2	864.7	860.2	859.1	844.2	824.3	814.4	809.2
165°	846.4	847.6	852.3	857.0	852.3	847.6	846.4	835.8	821.5	814.4	812.0
167.5°	840.9	841.4	843.4	845.4	843.4	841.4	840.9	833.9	824.5	819.8	817.9
170°	840.9	840.9	840.9	840.9	840.9	840.9	840.9	833.9	824.5	819.8	819.7
172.5°	836.5	836.0	834.3	832.6	834.3	836.0	836.5	830.9	823.5	819.8	819.8
175°	830.4	830.4	830.4	830.4	830.4	830.4	830.4	826.9	822.2	819.8	820.9
177.5°	829.3	828.8	826.8	824.9	826.8	828.8	829.3	826.6	822.9	821.0	821.9
180°	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9	824.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1904.0	1904.0	1904.0	1904.0	1904.0
2.5°	1880.6	1889.6	1895.0	1902.2	1920.2
5°	1808.5	1842.7	1853.6	1880.6	1913.0
7.5°	1650.1	1754.5	1783.3	1848.2	1898.6
10°	1496.9	1601.4	1651.9	1804.9	1880.6
12.5°	1419.4	1480.7	1515.0	1729.3	1855.4
15°	1370.8	1414.1	1439.3	1628.4	1826.5
17.5°	1332.9	1363.6	1381.6	1529.4	1787.0
20°	1309.6	1324.0	1340.2	1457.3	1741.9
22.5°	1293.4	1284.3	1296.9	1406.8	1680.7
25°	1282.5	1248.3	1262.7	1367.2	1608.6
27.5°	1291.6	1215.9	1221.3	1331.1	1533.0
30°	1293.4	1176.3	1178.1	1293.4	1448.3
32.5°	1280.7	1134.8	1136.6	1246.5	1352.8
35°	1250.1	1086.2	1084.4	1192.5	1223.1
37.5°	1208.7	1034.0	1034.0	1133.0	1080.8
40°	1158.3	981.7	987.2	1055.6	954.7
42.5°	1097.0	925.8	933.1	952.9	861.0
45°	1030.3	871.9	877.2	805.2	788.9
47.5°	956.5	816.0	817.8	668.3	765.6
50°	868.3	758.3	751.2	572.8	763.8
52.5°	790.7	695.3	673.7	518.7	693.5
55°	715.1	628.7	581.9	477.4	643.1
57.5°	648.5	542.2	497.2	428.7	632.3
60°	587.2	457.5	423.3	376.5	580.1
62.5°	536.8	394.5	387.3	340.5	526.0
65°	482.8	351.2	349.4	309.9	446.8
67.5°	430.6	322.4	320.6	281.0	340.5
70°	374.7	291.8	288.2	250.4	252.2
72.5°	317.0	257.6	254.0	225.2	209.0
75°	259.4	217.9	216.1	196.3	169.3
77.5°	203.6	172.9	176.6	158.6	124.3
80°	145.9	126.1	129.7	113.5	93.6
82.5°	97.2	82.9	86.5	72.1	63.0
85°	54.1	46.8	48.6	37.9	28.8
87.5°	25.2	21.6	21.6	14.4	9.0
90°	24.4	15.5	14.4	9.9	5.6
92.5°	150.1	106.8	97.4	59.7	22.1
95°	369.6	208.2	191.0	122.0	53.2
97.5°	497.9	228.7	213.4	152.7	91.9
100°	544.5	245.8	232.0	176.9	121.8
102.5°	565.9	263.0	250.1	198.7	147.3
105°	581.8	288.4	277.5	233.9	190.4
107.5°	584.8	326.1	316.0	275.3	234.8
110°	580.3	347.1	338.0	301.3	264.7



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CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	580.5	372.5	363.8	328.8	293.9
115°	585.9	410.8	402.7	370.5	338.2
117.5°	596.7	447.8	440.5	411.2	381.9
120°	605.6	469.4	462.5	435.0	407.5
122.5°	618.4	494.9	487.9	460.2	432.3
125°	635.6	527.6	521.3	495.9	470.6
127.5°	652.7	559.1	552.8	527.2	501.6
130°	665.2	580.2	573.3	545.8	518.2
132.5°	675.4	597.4	590.5	562.9	535.3
135°	686.4	617.2	611.0	585.9	560.8
137.5°	703.1	642.7	636.6	611.7	586.8
140°	713.2	659.8	654.1	631.3	608.4
142.5°	721.7	672.6	667.4	646.1	625.0
145°	732.8	692.0	687.3	668.9	650.4
147.5°	749.0	716.3	711.9	693.9	676.0
150°	757.5	729.1	725.0	708.7	692.5
152.5°	763.1	737.4	734.3	722.0	709.7
155°	775.3	755.6	753.4	744.3	735.1
157.5°	787.4	773.9	771.7	762.9	754.0
160°	793.0	782.2	780.5	773.6	766.7
162.5°	798.9	791.1	789.8	784.7	779.5
165°	807.3	803.8	802.6	798.0	793.3
167.5°	813.9	811.0	810.4	808.2	806.0
170°	819.5	819.3	818.8	816.5	814.4
172.5°	819.8	819.8	819.7	819.2	818.8
175°	823.1	824.9	824.9	824.9	824.9
177.5°	823.6	824.9	824.9	824.9	824.9
180°	824.9	824.9	824.9	824.9	824.9



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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	10.79	11.63	11.76	12.62	13.92	13.64	14.48	14.61	15.47	16.77
	3H	11.26	12.02	12.25	13.01	14.34	14.99	15.74	15.97	16.74	18.06
	4H	11.45	12.17	12.45	13.17	14.50	15.44	16.15	16.43	17.15	18.48
	6H	11.57	12.23	12.58	13.23	14.58	15.73	16.38	16.73	17.39	18.73
	8H	11.57	12.20	12.59	13.22	14.56	15.80	16.43	16.82	17.45	18.79
	12H	11.54	12.14	12.56	13.15	14.52	15.84	16.44	16.86	17.46	18.82
4H	2H	11.82	12.54	12.83	13.54	14.87	14.04	14.76	15.05	15.76	17.09
	3H	12.85	13.44	13.86	14.47	15.82	15.55	16.15	16.57	17.18	18.52
	4H	13.12	13.67	14.14	14.69	16.06	16.09	16.63	17.11	17.65	19.02
	6H	13.25	13.72	14.28	14.76	16.12	16.46	16.93	17.49	17.97	19.33
	8H	13.25	13.69	14.29	14.73	16.11	16.57	17.00	17.60	18.04	19.42
	12H	13.22	13.61	14.27	14.67	16.05	16.63	17.02	17.68	18.07	19.46
8H	4H	13.58	14.02	14.61	15.05	16.43	16.21	16.65	17.24	17.68	19.06
	6H	13.84	14.20	14.90	15.28	16.66	16.65	17.01	17.71	18.09	19.47
	8H	13.88	14.20	14.95	15.26	16.66	16.81	17.12	17.87	18.19	19.58
	12H	13.86	14.14	14.93	15.20	16.64	16.91	17.19	17.98	18.25	19.68
12H	4H	13.58	13.98	14.64	15.03	16.42	16.17	16.57	17.22	17.62	19.00
	6H	13.90	14.22	14.97	15.28	16.68	16.65	16.97	17.71	18.03	19.42
	8H	13.97	14.25	15.04	15.31	16.74	16.81	17.09	17.88	18.15	19.59