

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: P933828

Luminaire Tested: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

**Test Information**

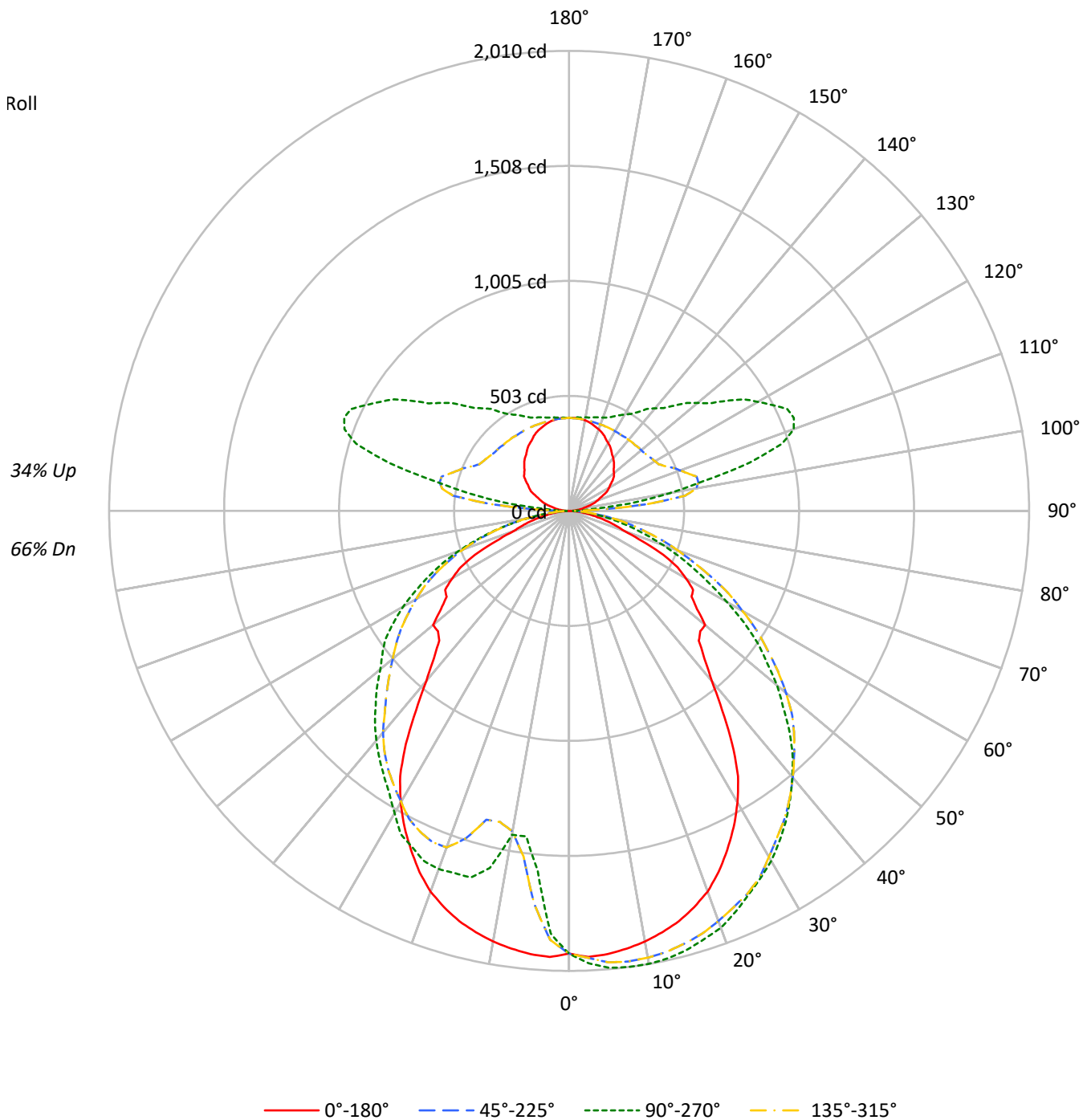
Test Method: LM-79-2019  
Report Number: P933828  
REPORT IS A COMBINATION OF REPORTS P933673 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7657.3 lumens  
Efficiency: N/A  
Efficacy: 116.0 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: Semi-Direct  
  
Input Watts (W): 66  
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	111	111	111	111	104	104	104	104	92	92	92	81	81	81	70	70	70	66			
1	101	97	93	89	95	91	88	85	81	78	76	71	69	68	62	61	60	55			
2	92	85	78	73	87	80	74	70	71	67	63	63	59	56	55	52	50	46			
3	84	75	67	61	79	70	64	58	63	57	53	55	51	48	49	46	43	39			
4	77	66	58	52	72	62	55	49	56	50	45	49	45	41	43	40	37	34			
5	71	59	50	44	66	56	48	43	50	44	39	44	39	35	39	35	32	29			
6	65	53	45	39	61	50	43	37	45	39	34	40	35	31	35	31	28	26			
7	60	48	40	34	57	45	38	33	41	35	30	36	31	28	32	28	25	23			
8	56	43	35	30	53	41	34	29	37	31	27	33	28	25	30	26	22	20			
9	52	40	32	27	49	38	31	26	34	28	24	31	26	22	27	23	20	18			
10	49	36	29	24	46	35	28	23	31	26	22	28	23	20	25	21	18	16			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	5983	5983	5983	5983
5°	6030	6040	6030	4749
10°	5992	5950	5992	4254
15°	5929	5821	5929	4860
20°	5808	5668	5808	4871
25°	5556	5445	5556	4767
30°	5230	5260	5230	4541
35°	4665	5026	4665	4292
40°	3889	4751	3889	4104
45°	3477	4429	3477	3887
50°	3697	4044	3697	3670
55°	3482	3631	3482	3545
60°	3594	3083	3594	3246
65°	3264	2549	3264	2849
70°	2265	2031	2265	2388
75°	1994	1502	1994	1798
80°	1618	993	1618	1081
85°	949	526	949	447

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5326 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.6	2.3
10°-20°	495.8	6.5
20°-30°	766.4	10.0
30°-40°	914.9	11.9
40°-50°	920.3	12.0
50°-60°	800.8	10.5
60°-70°	567.8	7.4
70°-80°	300.4	3.9
80°-90°	76.4	1.0
90°-100°	198.5	2.6
100°-110°	521.9	6.8
110°-120°	541.2	7.1
120°-130°	434.1	5.7
130°-140°	340.6	4.4
140°-150°	261.4	3.4
150°-160°	188.3	2.5
160°-170°	115.2	1.5
170°-180°	38.9	0.5
0°-30°	1436.8	18.8
0°-40°	2351.7	30.7
0°-60°	4072.8	53.2
0°-90°	5017.3	65.5
90°-120°	1261.6	16.5
90°-150°	2297.6	30.0
90°-180°	2640.0	34.5
0°-180°	7657.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1934	1934	1934	1934	1934	
5°	1944	2004	1944	1576	1944	184
15°	1856	1986	1856	1658	1856	522
25°	1634	1852	1634	1622	1634	750
35°	1243	1653	1243	1411	1243	769
45°	802	1362	802	1195	802	642
55°	653	1005	653	981	653	600
65°	454	606	454	677	454	434
75°	172	287	172	344	172	181
85°	29	73	29	62	29	40
90°	3	10	3	10	3	3
95°	26	120	26	120	26	29
105°	94	817	94	817	94	100
115°	167	1052	167	1052	167	165
125°	232	838	232	838	232	206
135°	277	650	277	650	277	214
145°	321	528	321	528	321	201
155°	363	454	363	454	363	167
165°	392	423	392	423	392	111
175°	407	410	407	410	407	39
180°	407	407	407	407	407	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1950.9	1950.9	1961.9	1965.5	1965.5	1960.1	1954.6	1960.1	1976.6	1982.0	1980.2
5°	1943.6	1958.3	1978.4	1982.0	1985.7	1983.9	1980.2	1983.9	2002.2	2005.8	2007.7
7.5°	1929.0	1956.4	1982.0	1987.6	1993.0	1987.6	1985.7	1989.4	2007.7	2011.3	2011.3
10°	1910.7	1949.1	1978.4	1982.0	1987.6	1982.0	1982.0	1989.4	2007.7	2011.3	2013.2
12.5°	1885.0	1938.2	1965.5	1969.3	1976.6	1974.7	1972.9	1980.2	1998.6	2002.2	2002.2
15°	1855.8	1918.0	1943.6	1947.3	1960.1	1956.4	1956.4	1963.7	1983.9	1989.4	1987.6
17.5°	1815.5	1892.4	1921.7	1927.2	1936.3	1934.4	1936.3	1943.6	1961.9	1965.5	1967.5
20°	1769.8	1857.6	1892.4	1897.9	1907.1	1907.1	1907.1	1916.2	1934.4	1941.8	1941.8
22.5°	1707.6	1821.0	1857.6	1861.3	1872.2	1872.2	1875.9	1888.7	1905.1	1907.1	1907.1
25°	1634.3	1780.7	1811.8	1822.8	1833.8	1839.3	1844.8	1852.1	1857.6	1855.8	1857.6
27.5°	1557.5	1729.5	1769.8	1777.1	1791.7	1797.2	1804.5	1806.4	1808.2	1813.6	1810.0
30°	1471.4	1658.1	1718.5	1725.9	1749.6	1753.3	1746.0	1749.6	1758.8	1762.4	1766.1
32.5°	1374.5	1551.9	1665.5	1681.9	1703.8	1692.9	1691.0	1696.6	1711.2	1711.2	1714.8
35°	1242.7	1469.6	1616.1	1630.7	1647.2	1634.3	1641.6	1643.4	1652.6	1658.1	1656.3
37.5°	1098.1	1398.2	1564.8	1575.8	1588.6	1572.1	1583.0	1588.6	1595.9	1592.2	1592.2
40°	969.9	1286.6	1504.4	1511.7	1522.6	1509.9	1520.8	1524.6	1528.2	1524.6	1522.6
42.5°	874.8	1164.0	1440.3	1449.5	1442.1	1451.3	1455.0	1462.3	1456.8	1449.5	1449.5
45°	801.6	1131.0	1370.8	1381.7	1370.8	1385.5	1390.9	1390.9	1374.5	1370.8	1368.9
47.5°	777.8	1065.2	1301.2	1301.2	1295.8	1314.1	1323.2	1310.4	1294.0	1288.4	1288.4
50°	776.0	992.0	1206.1	1198.7	1224.4	1246.3	1237.2	1224.4	1211.5	1191.4	1191.4
52.5°	704.6	902.3	1083.5	1110.9	1151.1	1164.0	1149.3	1136.5	1114.6	1105.4	1098.1
55°	653.4	808.9	971.8	1026.7	1068.8	1085.3	1057.8	1045.0	1012.1	1006.6	1003.0
57.5°	642.4	673.5	869.3	938.8	990.1	988.3	971.8	948.0	920.6	915.1	913.3
60°	589.4	486.8	759.5	841.9	894.9	889.4	874.8	852.9	827.2	823.6	819.9
62.5°	534.4	353.2	635.0	728.4	803.4	801.6	788.8	755.8	737.5	728.4	721.1
65°	453.9	296.5	452.1	605.8	713.8	717.4	690.0	666.2	646.0	635.0	633.2
67.5°	345.9	241.6	305.6	505.1	627.7	624.1	589.4	578.3	552.7	547.2	536.2
70°	256.2	161.1	212.3	410.0	543.6	534.4	506.9	494.1	470.4	457.5	450.2
72.5°	212.3	129.9	155.5	318.5	457.5	446.5	422.8	408.2	388.0	377.0	369.7
75°	172.0	137.3	119.0	236.1	371.5	364.2	342.2	327.6	311.1	296.5	298.3
77.5°	126.3	128.1	95.1	173.8	294.6	283.7	270.9	252.6	245.2	230.6	230.6
80°	95.1	100.7	71.4	119.0	212.3	212.3	201.3	188.5	175.7	168.4	168.4
82.5°	64.0	64.0	53.0	75.0	144.5	139.1	131.8	128.1	120.8	117.2	117.2
85°	29.3	36.6	32.9	45.8	78.7	82.3	82.3	78.7	76.9	73.2	75.0
87.5°	9.2	16.5	20.1	25.7	40.3	42.1	43.9	43.9	43.9	45.8	45.8
90°	2.7	4.9	7.1	7.6	12.0	17.8	20.7	18.5	13.8	10.4	10.4
92.5°	10.9	29.5	48.1	52.8	74.1	102.7	117.0	102.5	73.6	51.9	49.8
95°	26.2	60.2	94.2	102.8	182.5	288.8	341.9	305.1	231.5	176.3	170.0
97.5°	45.4	75.4	105.4	112.9	245.8	423.1	511.7	488.4	441.9	407.0	395.1
100°	60.1	87.3	114.5	121.3	268.9	465.6	563.9	565.6	569.0	571.5	557.3
102.5°	72.7	98.1	123.4	129.8	279.4	478.9	578.6	608.3	667.5	712.0	699.8
105°	94.1	115.5	137.0	142.4	287.3	480.4	577.0	643.4	776.3	876.0	869.4
107.5°	115.9	135.9	156.0	161.0	288.7	459.0	544.1	636.8	822.2	961.3	962.9
110°	130.6	148.7	166.8	171.4	286.5	440.1	516.9	620.5	827.7	983.1	990.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	145.2	162.4	179.7	183.9	286.6	423.5	492.0	598.1	810.1	969.2	979.7
115°	167.0	182.9	198.8	202.8	289.3	404.5	462.2	564.3	768.6	921.9	936.4
117.5°	188.6	203.0	217.5	221.1	294.6	392.7	441.7	534.0	718.3	856.6	872.7
120°	201.1	214.8	228.4	231.8	299.0	388.6	433.4	517.7	686.2	812.6	828.2
122.5°	213.5	227.2	240.9	244.3	305.3	386.5	427.2	503.0	654.8	768.6	783.9
125°	232.3	244.9	257.4	260.5	313.8	384.9	420.3	484.7	613.6	710.3	724.5
127.5°	247.6	260.2	272.9	276.1	322.3	383.9	414.6	469.9	580.6	663.6	675.6
130°	255.8	269.4	283.1	286.4	328.5	384.4	412.4	461.7	560.2	634.1	645.2
132.5°	264.3	277.9	291.5	294.9	333.5	384.9	410.5	454.6	542.9	609.0	618.9
135°	276.9	289.3	301.6	304.7	338.9	384.5	407.2	444.2	518.0	573.4	582.0
137.5°	289.7	302.0	314.2	317.3	347.1	386.9	406.7	437.9	500.3	547.1	554.2
140°	300.4	311.6	323.0	325.8	352.1	387.2	404.8	431.7	485.7	526.1	532.7
142.5°	308.5	319.0	329.5	332.1	356.3	388.6	404.8	428.4	475.8	511.4	517.0
145°	321.2	330.3	339.4	341.7	361.8	388.6	402.1	421.4	460.2	489.2	493.5
147.5°	333.7	342.6	351.5	353.7	369.8	391.3	402.1	417.3	447.8	470.6	474.2
150°	341.9	349.9	357.9	359.9	374.0	392.7	402.1	415.0	440.7	460.0	462.8
152.5°	350.4	356.5	362.5	364.0	376.7	393.6	402.1	413.1	435.1	451.5	453.7
155°	362.9	367.4	372.0	373.0	382.7	395.6	402.1	410.8	428.3	441.4	442.9
157.5°	372.2	376.6	381.0	382.1	388.8	397.6	402.1	408.9	422.4	432.6	433.6
160°	378.6	382.0	385.4	386.2	391.5	398.5	402.1	407.9	419.5	428.3	428.8
162.5°	384.9	387.4	390.0	390.6	394.4	399.5	402.1	407.0	416.8	424.2	424.7
165°	391.7	394.0	396.3	396.9	398.6	400.9	402.1	405.6	412.6	417.9	418.4
167.5°	398.0	399.1	400.1	400.4	401.9	403.8	404.8	407.1	411.7	415.2	415.4
170°	402.1	403.2	404.2	404.5	404.6	404.7	404.8	407.1	411.7	415.2	415.2
172.5°	404.2	404.5	404.7	404.8	404.8	404.8	404.8	406.6	410.2	413.0	412.8
175°	407.2	407.2	407.2	407.2	406.4	405.3	404.8	406.0	408.2	410.0	410.0
177.5°	407.2	407.2	407.2	407.2	406.6	405.8	405.3	406.2	408.1	409.4	409.2
180°	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1983.9	1978.4	1983.9	1980.2	1982.0	1976.6	1960.1	1954.6	1960.1	1965.5	1965.5
5°	2007.7	2004.0	2007.7	2007.7	2005.8	2002.2	1983.9	1980.2	1983.9	1985.7	1982.0
7.5°	2015.0	2009.5	2015.0	2011.3	2011.3	2007.7	1989.4	1985.7	1987.6	1993.0	1987.6
10°	2015.0	2009.5	2015.0	2013.2	2011.3	2007.7	1989.4	1982.0	1982.0	1987.6	1982.0
12.5°	2005.8	2002.2	2005.8	2002.2	2002.2	1998.6	1980.2	1972.9	1974.7	1976.6	1969.3
15°	1991.2	1985.7	1991.2	1987.6	1989.4	1983.9	1963.7	1956.4	1956.4	1960.1	1947.3
17.5°	1969.3	1961.9	1969.3	1967.5	1965.5	1961.9	1943.6	1936.3	1934.4	1936.3	1927.2
20°	1943.6	1938.2	1943.6	1941.8	1941.8	1934.4	1916.2	1907.1	1907.1	1907.1	1897.9
22.5°	1903.3	1897.9	1903.3	1907.1	1907.1	1905.1	1888.7	1875.9	1872.2	1872.2	1861.3
25°	1857.6	1852.1	1857.6	1857.6	1855.8	1857.6	1852.1	1844.8	1839.3	1833.8	1822.8
27.5°	1813.6	1810.0	1813.6	1810.0	1813.6	1808.2	1806.4	1804.5	1797.2	1791.7	1777.1
30°	1769.8	1766.1	1769.8	1766.1	1762.4	1758.8	1749.6	1746.0	1753.3	1749.6	1725.9
32.5°	1714.8	1711.2	1714.8	1714.8	1711.2	1711.2	1696.6	1691.0	1692.9	1703.8	1681.9
35°	1658.1	1652.6	1658.1	1656.3	1658.1	1652.6	1643.4	1641.6	1634.3	1647.2	1630.7
37.5°	1592.2	1586.8	1592.2	1592.2	1592.2	1595.9	1588.6	1583.0	1572.1	1588.6	1575.8
40°	1524.6	1517.2	1524.6	1522.6	1524.6	1528.2	1524.6	1520.8	1509.9	1522.6	1511.7
42.5°	1447.7	1445.8	1447.7	1449.5	1449.5	1456.8	1462.3	1455.0	1451.3	1442.1	1449.5
45°	1365.3	1361.6	1365.3	1368.9	1370.8	1374.5	1390.9	1390.9	1385.5	1370.8	1381.7
47.5°	1277.4	1268.3	1277.4	1288.4	1288.4	1294.0	1310.4	1323.2	1314.1	1295.8	1301.2
50°	1184.1	1185.9	1184.1	1191.4	1191.4	1211.5	1224.4	1237.2	1246.3	1224.4	1198.7
52.5°	1092.6	1090.7	1092.6	1098.1	1105.4	1114.6	1136.5	1149.3	1164.0	1151.1	1110.9
55°	1001.1	1004.8	1001.1	1003.0	1006.6	1012.1	1045.0	1057.8	1085.3	1068.8	1026.7
57.5°	909.5	904.1	909.5	913.3	915.1	920.6	948.0	971.8	988.3	990.1	938.8
60°	803.4	796.1	803.4	819.9	823.6	827.2	852.9	874.8	889.4	894.9	841.9
62.5°	710.1	697.3	710.1	721.1	728.4	737.5	755.8	788.8	801.6	803.4	728.4
65°	611.3	605.8	611.3	633.2	635.0	646.0	666.2	690.0	717.4	713.8	605.8
67.5°	521.6	521.6	521.6	536.2	547.2	552.7	578.3	589.4	624.1	627.7	505.1
70°	439.3	437.4	439.3	450.2	457.5	470.4	494.1	506.9	534.4	543.6	410.0
72.5°	360.6	358.7	360.6	369.7	377.0	388.0	408.2	422.8	446.5	457.5	318.5
75°	291.0	287.4	291.0	298.3	296.5	311.1	327.6	342.2	364.2	371.5	236.1
77.5°	223.3	223.3	223.3	230.6	230.6	245.2	252.6	270.9	283.7	294.6	173.8
80°	166.6	164.7	166.6	168.4	168.4	175.7	188.5	201.3	212.3	212.3	119.0
82.5°	117.2	113.4	117.2	117.2	117.2	120.8	128.1	131.8	139.1	144.5	75.0
85°	73.2	73.2	73.2	75.0	73.2	76.9	78.7	82.3	82.3	78.7	45.8
87.5°	47.6	45.8	47.6	45.8	45.8	43.9	43.9	43.9	42.1	40.3	25.7
90°	10.4	10.4	10.4	10.4	10.4	13.8	18.5	20.7	17.8	12.0	7.6
92.5°	41.7	33.4	41.7	49.8	51.9	73.6	102.5	117.0	102.7	74.1	52.8
95°	145.0	120.0	145.0	170.0	176.3	231.5	305.1	341.9	288.8	182.5	102.8
97.5°	347.5	299.8	347.5	395.1	407.0	441.9	488.4	511.7	423.1	245.8	112.9
100°	500.7	443.9	500.7	557.3	571.5	569.0	565.6	563.9	465.6	268.9	121.3
102.5°	651.2	602.6	651.2	699.8	712.0	667.5	608.3	578.6	478.9	279.4	129.8
105°	843.3	817.2	843.3	869.4	876.0	776.3	643.4	577.0	480.4	287.3	142.4
107.5°	969.2	975.5	969.2	962.9	961.3	822.2	636.8	544.1	459.0	288.7	161.0
110°	1017.2	1044.4	1017.2	990.0	983.1	827.7	620.5	516.9	440.1	286.5	171.4





TEST NUMBER: P933828

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1021.4	1063.2	1021.4	979.7	969.2	810.1	598.1	492.0	423.5	286.6	183.9
115°	994.3	1052.3	994.3	936.4	921.9	768.6	564.3	462.2	404.5	289.3	202.8
117.5°	936.9	1001.1	936.9	872.7	856.6	718.3	534.0	441.7	392.7	294.6	221.1
120°	890.6	953.0	890.6	828.2	812.6	686.2	517.7	433.4	388.6	299.0	231.8
122.5°	845.6	907.2	845.6	783.9	768.6	654.8	503.0	427.2	386.5	305.3	244.3
125°	781.2	838.0	781.2	724.5	710.3	613.6	484.7	420.3	384.9	313.8	260.5
127.5°	723.4	771.3	723.4	675.6	663.6	580.6	469.9	414.6	383.9	322.3	276.1
130°	689.4	733.6	689.4	645.2	634.1	560.2	461.7	412.4	384.4	328.5	286.4
132.5°	658.5	698.1	658.5	618.9	609.0	542.9	454.6	410.5	384.9	333.5	294.9
135°	616.1	650.2	616.1	582.0	573.4	518.0	444.2	407.2	384.5	338.9	304.7
137.5°	582.1	610.1	582.1	554.2	547.1	500.3	437.9	406.7	386.9	347.1	317.3
140°	558.8	584.9	558.8	532.7	526.1	485.7	431.7	404.8	387.2	352.1	325.8
142.5°	539.5	562.0	539.5	517.0	511.4	475.8	428.4	404.8	388.6	356.3	332.1
145°	510.5	527.5	510.5	493.5	489.2	460.2	421.4	402.1	388.6	361.8	341.7
147.5°	488.3	502.4	488.3	474.2	470.6	447.8	417.3	402.1	391.3	369.8	353.7
150°	474.3	485.7	474.3	462.8	460.0	440.7	415.0	402.1	392.7	374.0	359.9
152.5°	462.3	470.9	462.3	453.7	451.5	435.1	413.1	402.1	393.6	376.7	364.0
155°	448.5	454.3	448.5	442.9	441.4	428.3	410.8	402.1	395.6	382.7	373.0
157.5°	437.7	441.7	437.7	433.6	432.6	422.4	408.9	402.1	397.6	388.8	382.1
160°	431.2	433.4	431.2	428.8	428.3	419.5	407.9	402.1	398.5	391.5	386.2
162.5°	426.9	429.1	426.9	424.7	424.2	416.8	407.0	402.1	399.5	394.4	390.6
165°	420.8	423.1	420.8	418.4	417.9	412.6	405.6	402.1	400.9	398.6	396.9
167.5°	416.3	417.3	416.3	415.4	415.2	411.7	407.1	404.8	403.8	401.9	400.4
170°	415.2	415.2	415.2	415.2	415.2	411.7	407.1	404.8	404.7	404.6	404.5
172.5°	411.9	411.1	411.9	412.8	413.0	410.2	406.6	404.8	404.8	404.8	404.8
175°	410.0	410.0	410.0	410.0	410.0	408.2	406.0	404.8	405.3	406.4	407.2
177.5°	408.2	407.2	408.2	409.2	409.4	408.1	406.2	405.3	405.8	406.6	407.2
180°	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2



TEST NUMBER: P933828

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1961.9	1950.9	1950.9	1932.6	1925.3	1919.8	1910.7	1883.2	1875.9	1868.6	1879.6
5°	1978.4	1958.3	1943.6	1910.7	1883.2	1872.2	1837.5	1771.6	1727.7	1694.7	1676.5
7.5°	1982.0	1956.4	1929.0	1877.8	1811.8	1782.5	1676.5	1555.7	1522.6	1493.4	1475.1
10°	1978.4	1949.1	1910.7	1833.8	1678.3	1627.0	1520.8	1442.1	1422.0	1416.6	1422.0
12.5°	1965.5	1938.2	1885.0	1757.0	1539.2	1504.4	1442.1	1396.4	1392.7	1401.9	1451.3
15°	1943.6	1918.0	1855.8	1654.4	1462.3	1436.7	1392.7	1376.3	1396.4	1460.4	1608.7
17.5°	1921.7	1892.4	1815.5	1553.8	1403.8	1385.5	1354.3	1387.3	1500.7	1586.8	1636.2
20°	1892.4	1857.6	1769.8	1480.6	1361.6	1345.2	1330.5	1478.8	1564.8	1595.9	1623.3
22.5°	1857.6	1821.0	1707.6	1429.3	1317.7	1304.9	1314.1	1530.0	1564.8	1586.8	1610.5
25°	1811.8	1780.7	1634.3	1389.1	1283.0	1268.3	1303.1	1524.6	1544.7	1550.1	1597.7
27.5°	1769.8	1729.5	1557.5	1352.4	1240.8	1235.4	1312.2	1500.7	1515.4	1520.8	1572.1
30°	1718.5	1658.1	1471.4	1314.1	1196.9	1195.1	1314.1	1471.4	1467.8	1482.4	1533.6
32.5°	1665.5	1551.9	1374.5	1266.5	1154.8	1153.0	1301.2	1427.5	1423.9	1444.0	1482.4
35°	1616.1	1469.6	1242.7	1211.5	1101.8	1103.6	1270.1	1376.3	1378.1	1396.4	1420.2
37.5°	1564.8	1398.2	1098.1	1151.1	1050.5	1050.5	1228.0	1328.7	1325.1	1330.5	1363.5
40°	1504.4	1286.6	969.9	1072.5	1003.0	997.4	1176.8	1277.4	1264.7	1262.8	1308.5
42.5°	1440.3	1164.0	874.8	968.1	948.0	940.7	1114.6	1215.2	1191.4	1196.9	1255.5
45°	1370.8	1131.0	801.6	818.0	891.3	885.8	1046.8	1143.9	1127.4	1142.0	1202.4
47.5°	1301.2	1065.2	777.8	679.0	830.9	829.0	971.8	1074.3	1065.2	1079.8	1143.9
50°	1206.1	992.0	776.0	582.0	763.2	770.5	882.2	1006.6	1006.6	1019.4	1087.1
52.5°	1083.5	902.3	704.6	527.0	684.5	706.4	803.4	948.0	951.7	964.5	1024.9
55°	971.8	808.9	653.4	485.0	591.2	638.7	726.5	887.6	894.9	907.7	962.7
57.5°	869.3	673.5	642.4	435.5	505.1	550.9	658.9	829.0	832.7	843.7	896.8
60°	759.5	486.8	589.4	382.5	430.1	464.8	596.6	759.5	772.3	779.6	825.4
62.5°	635.0	353.2	534.4	345.9	393.5	400.8	545.4	693.6	710.1	715.6	743.1
65°	452.1	296.5	453.9	314.8	355.0	356.9	490.5	625.9	640.6	649.7	669.9
67.5°	305.6	241.6	345.9	285.5	325.7	327.6	437.4	547.2	567.3	574.7	587.4
70°	212.3	161.1	256.2	254.4	292.8	296.5	380.7	475.8	494.1	499.7	506.9
72.5°	155.5	129.9	212.3	228.8	258.1	261.7	322.1	395.3	413.6	419.1	422.8
75°	119.0	137.3	172.0	199.5	219.6	221.4	263.5	322.1	334.9	338.6	340.4
77.5°	95.1	128.1	126.3	161.1	179.4	175.7	206.9	248.9	259.9	259.9	259.9
80°	71.4	100.7	95.1	115.3	131.8	128.1	148.3	177.6	181.2	184.8	183.0
82.5°	53.0	64.0	64.0	73.2	87.9	84.2	98.8	115.3	115.3	115.3	119.0
85°	32.9	36.6	29.3	38.5	49.4	47.6	54.9	62.2	64.0	64.0	60.4
87.5°	20.1	16.5	9.2	14.6	21.9	21.9	25.7	27.5	25.7	25.7	25.7
90°	7.1	4.9	2.7	4.9	7.1	7.6	12.0	17.8	20.7	18.5	13.8
92.5°	48.1	29.5	10.9	29.5	48.1	52.8	74.1	102.7	117.0	102.5	73.6
95°	94.2	60.2	26.2	60.2	94.2	102.8	182.5	288.8	341.9	305.1	231.5
97.5°	105.4	75.4	45.4	75.4	105.4	112.9	245.8	423.1	511.7	488.4	441.9
100°	114.5	87.3	60.1	87.3	114.5	121.3	268.9	465.6	563.9	565.6	569.0
102.5°	123.4	98.1	72.7	98.1	123.4	129.8	279.4	478.9	578.6	608.3	667.5
105°	137.0	115.5	94.1	115.5	137.0	142.4	287.3	480.4	577.0	643.4	776.3
107.5°	156.0	135.9	115.9	135.9	156.0	161.0	288.7	459.0	544.1	636.8	822.2
110°	166.8	148.7	130.6	148.7	166.8	171.4	286.5	440.1	516.9	620.5	827.7



TEST NUMBER: P933828

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	179.7	162.4	145.2	162.4	179.7	183.9	286.6	423.5	492.0	598.1	810.1
115°	198.8	182.9	167.0	182.9	198.8	202.8	289.3	404.5	462.2	564.3	768.6
117.5°	217.5	203.0	188.6	203.0	217.5	221.1	294.6	392.7	441.7	534.0	718.3
120°	228.4	214.8	201.1	214.8	228.4	231.8	299.0	388.6	433.4	517.7	686.2
122.5°	240.9	227.2	213.5	227.2	240.9	244.3	305.3	386.5	427.2	503.0	654.8
125°	257.4	244.9	232.3	244.9	257.4	260.5	313.8	384.9	420.3	484.7	613.6
127.5°	272.9	260.2	247.6	260.2	272.9	276.1	322.3	383.9	414.6	469.9	580.6
130°	283.1	269.4	255.8	269.4	283.1	286.4	328.5	384.4	412.4	461.7	560.2
132.5°	291.5	277.9	264.3	277.9	291.5	294.9	333.5	384.9	410.5	454.6	542.9
135°	301.6	289.3	276.9	289.3	301.6	304.7	338.9	384.5	407.2	444.2	518.0
137.5°	314.2	302.0	289.7	302.0	314.2	317.3	347.1	386.9	406.7	437.9	500.3
140°	323.0	311.6	300.4	311.6	323.0	325.8	352.1	387.2	404.8	431.7	485.7
142.5°	329.5	319.0	308.5	319.0	329.5	332.1	356.3	388.6	404.8	428.4	475.8
145°	339.4	330.3	321.2	330.3	339.4	341.7	361.8	388.6	402.1	421.4	460.2
147.5°	351.5	342.6	333.7	342.6	351.5	353.7	369.8	391.3	402.1	417.3	447.8
150°	357.9	349.9	341.9	349.9	357.9	359.9	374.0	392.7	402.1	415.0	440.7
152.5°	362.5	356.5	350.4	356.5	362.5	364.0	376.7	393.6	402.1	413.1	435.1
155°	372.0	367.4	362.9	367.4	372.0	373.0	382.7	395.6	402.1	410.8	428.3
157.5°	381.0	376.6	372.2	376.6	381.0	382.1	388.8	397.6	402.1	408.9	422.4
160°	385.4	382.0	378.6	382.0	385.4	386.2	391.5	398.5	402.1	407.9	419.5
162.5°	390.0	387.4	384.9	387.4	390.0	390.6	394.4	399.5	402.1	407.0	416.8
165°	396.3	394.0	391.7	394.0	396.3	396.9	398.6	400.9	402.1	405.6	412.6
167.5°	400.1	399.1	398.0	399.1	400.1	400.4	401.9	403.8	404.8	407.1	411.7
170°	404.2	403.2	402.1	403.2	404.2	404.5	404.6	404.7	404.8	407.1	411.7
172.5°	404.7	404.5	404.2	404.5	404.7	404.8	404.8	404.8	404.8	406.6	410.2
175°	407.2	407.2	407.2	407.2	407.2	407.2	406.4	405.3	404.8	406.0	408.2
177.5°	407.2	407.2	407.2	407.2	407.2	407.2	406.6	405.8	405.3	406.2	408.1
180°	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2



TEST NUMBER: P933828

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1866.8	1861.3	1868.6	1848.5	1868.6	1861.3	1866.8	1879.6	1868.6	1875.9	1883.2
5°	1638.0	1628.8	1599.6	1575.8	1599.6	1628.8	1638.0	1676.5	1694.7	1727.7	1771.6
7.5°	1464.2	1456.8	1449.5	1434.9	1449.5	1456.8	1464.2	1475.1	1493.4	1522.6	1555.7
10°	1425.7	1427.5	1438.5	1436.7	1438.5	1427.5	1425.7	1422.0	1416.6	1422.0	1442.1
12.5°	1524.6	1541.0	1601.4	1597.7	1601.4	1541.0	1524.6	1451.3	1401.9	1392.7	1396.4
15°	1638.0	1643.4	1656.3	1658.1	1656.3	1643.4	1638.0	1608.7	1460.4	1396.4	1376.3
17.5°	1649.0	1650.8	1659.9	1659.9	1659.9	1650.8	1649.0	1636.2	1586.8	1500.7	1387.3
20°	1639.8	1643.4	1661.8	1665.5	1661.8	1643.4	1639.8	1623.3	1595.9	1564.8	1478.8
22.5°	1636.2	1643.4	1658.1	1656.3	1658.1	1643.4	1636.2	1610.5	1586.8	1564.8	1530.0
25°	1617.9	1617.9	1619.7	1621.5	1619.7	1617.9	1617.9	1597.7	1550.1	1544.7	1524.6
27.5°	1579.4	1583.0	1594.0	1592.2	1594.0	1583.0	1579.4	1572.1	1520.8	1515.4	1500.7
30°	1544.7	1541.0	1531.8	1524.6	1531.8	1541.0	1544.7	1533.6	1482.4	1467.8	1471.4
32.5°	1486.1	1476.9	1467.8	1462.3	1467.8	1476.9	1486.1	1482.4	1444.0	1423.9	1427.5
35°	1416.6	1418.4	1416.6	1411.0	1416.6	1418.4	1416.6	1420.2	1396.4	1378.1	1376.3
37.5°	1367.1	1370.8	1368.9	1361.6	1368.9	1370.8	1367.1	1363.5	1330.5	1325.1	1328.7
40°	1315.9	1317.7	1315.9	1310.4	1315.9	1317.7	1315.9	1308.5	1262.8	1264.7	1277.4
42.5°	1266.5	1264.7	1259.1	1255.5	1259.1	1264.7	1266.5	1255.5	1196.9	1191.4	1215.2
45°	1209.7	1211.5	1200.5	1195.1	1200.5	1211.5	1209.7	1202.4	1142.0	1127.4	1143.9
47.5°	1153.0	1153.0	1143.9	1138.3	1143.9	1153.0	1153.0	1143.9	1079.8	1065.2	1074.3
50°	1092.6	1090.7	1077.9	1076.1	1077.9	1090.7	1092.6	1087.1	1019.4	1006.6	1006.6
52.5°	1023.1	1023.1	1024.9	1028.5	1024.9	1023.1	1023.1	1024.9	964.5	951.7	948.0
55°	962.7	964.5	977.3	981.0	977.3	964.5	962.7	962.7	907.7	894.9	887.6
57.5°	900.4	900.4	909.5	909.5	909.5	900.4	900.4	896.8	843.7	832.7	829.0
60°	829.0	832.7	840.0	838.2	840.0	832.7	829.0	825.4	779.6	772.3	759.5
62.5°	754.0	757.7	759.5	755.8	759.5	757.7	754.0	743.1	715.6	710.1	693.6
65°	675.3	679.0	680.8	677.1	680.8	679.0	675.3	669.9	649.7	640.6	625.9
67.5°	594.8	593.0	591.2	598.5	591.2	593.0	594.8	587.4	574.7	567.3	547.2
70°	512.4	512.4	510.6	514.3	510.6	512.4	512.4	506.9	499.7	494.1	475.8
72.5°	424.6	422.8	430.1	424.6	430.1	422.8	424.6	422.8	419.1	413.6	395.3
75°	338.6	342.2	338.6	344.0	338.6	342.2	338.6	340.4	338.6	334.9	322.1
77.5°	258.1	261.7	258.1	258.1	258.1	261.7	258.1	259.9	259.9	259.9	248.9
80°	183.0	181.2	181.2	179.4	181.2	181.2	183.0	183.0	184.8	181.2	177.6
82.5°	117.2	115.3	115.3	119.0	115.3	115.3	117.2	119.0	115.3	115.3	115.3
85°	64.0	65.9	62.2	62.2	62.2	65.9	64.0	60.4	64.0	64.0	62.2
87.5°	23.8	21.9	21.9	21.9	21.9	21.9	23.8	25.7	25.7	25.7	27.5
90°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	13.8	18.5	20.7	17.8
92.5°	51.9	49.8	41.7	33.4	41.7	49.8	51.9	73.6	102.5	117.0	102.7
95°	176.3	170.0	145.0	120.0	145.0	170.0	176.3	231.5	305.1	341.9	288.8
97.5°	407.0	395.1	347.5	299.8	347.5	395.1	407.0	441.9	488.4	511.7	423.1
100°	571.5	557.3	500.7	443.9	500.7	557.3	571.5	569.0	565.6	563.9	465.6
102.5°	712.0	699.8	651.2	602.6	651.2	699.8	712.0	667.5	608.3	578.6	478.9
105°	876.0	869.4	843.3	817.2	843.3	869.4	876.0	776.3	643.4	577.0	480.4
107.5°	961.3	962.9	969.2	975.5	969.2	962.9	961.3	822.2	636.8	544.1	459.0
110°	983.1	990.0	1017.2	1044.4	1017.2	990.0	983.1	827.7	620.5	516.9	440.1



TEST NUMBER: P933828

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	969.2	979.7	1021.4	1063.2	1021.4	979.7	969.2	810.1	598.1	492.0	423.5
115°	921.9	936.4	994.3	1052.3	994.3	936.4	921.9	768.6	564.3	462.2	404.5
117.5°	856.6	872.7	936.9	1001.1	936.9	872.7	856.6	718.3	534.0	441.7	392.7
120°	812.6	828.2	890.6	953.0	890.6	828.2	812.6	686.2	517.7	433.4	388.6
122.5°	768.6	783.9	845.6	907.2	845.6	783.9	768.6	654.8	503.0	427.2	386.5
125°	710.3	724.5	781.2	838.0	781.2	724.5	710.3	613.6	484.7	420.3	384.9
127.5°	663.6	675.6	723.4	771.3	723.4	675.6	663.6	580.6	469.9	414.6	383.9
130°	634.1	645.2	689.4	733.6	689.4	645.2	634.1	560.2	461.7	412.4	384.4
132.5°	609.0	618.9	658.5	698.1	658.5	618.9	609.0	542.9	454.6	410.5	384.9
135°	573.4	582.0	616.1	650.2	616.1	582.0	573.4	518.0	444.2	407.2	384.5
137.5°	547.1	554.2	582.1	610.1	582.1	554.2	547.1	500.3	437.9	406.7	386.9
140°	526.1	532.7	558.8	584.9	558.8	532.7	526.1	485.7	431.7	404.8	387.2
142.5°	511.4	517.0	539.5	562.0	539.5	517.0	511.4	475.8	428.4	404.8	388.6
145°	489.2	493.5	510.5	527.5	510.5	493.5	489.2	460.2	421.4	402.1	388.6
147.5°	470.6	474.2	488.3	502.4	488.3	474.2	470.6	447.8	417.3	402.1	391.3
150°	460.0	462.8	474.3	485.7	474.3	462.8	460.0	440.7	415.0	402.1	392.7
152.5°	451.5	453.7	462.3	470.9	462.3	453.7	451.5	435.1	413.1	402.1	393.6
155°	441.4	442.9	448.5	454.3	448.5	442.9	441.4	428.3	410.8	402.1	395.6
157.5°	432.6	433.6	437.7	441.7	437.7	433.6	432.6	422.4	408.9	402.1	397.6
160°	428.3	428.8	431.2	433.4	431.2	428.8	428.3	419.5	407.9	402.1	398.5
162.5°	424.2	424.7	426.9	429.1	426.9	424.7	424.2	416.8	407.0	402.1	399.5
165°	417.9	418.4	420.8	423.1	420.8	418.4	417.9	412.6	405.6	402.1	400.9
167.5°	415.2	415.4	416.3	417.3	416.3	415.4	415.2	411.7	407.1	404.8	403.8
170°	415.2	415.2	415.2	415.2	415.2	415.2	415.2	411.7	407.1	404.8	404.7
172.5°	413.0	412.8	411.9	411.1	411.9	412.8	413.0	410.2	406.6	404.8	404.8
175°	410.0	410.0	410.0	410.0	410.0	410.0	410.0	408.2	406.0	404.8	405.3
177.5°	409.4	409.2	408.2	407.2	408.2	409.2	409.4	408.1	406.2	405.3	405.8
180°	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2



TEST NUMBER: P933828

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1910.7	1919.8	1925.3	1932.6	1950.9
5°	1837.5	1872.2	1883.2	1910.7	1943.6
7.5°	1676.5	1782.5	1811.8	1877.8	1929.0
10°	1520.8	1627.0	1678.3	1833.8	1910.7
12.5°	1442.1	1504.4	1539.2	1757.0	1885.0
15°	1392.7	1436.7	1462.3	1654.4	1855.8
17.5°	1354.3	1385.5	1403.8	1553.8	1815.5
20°	1330.5	1345.2	1361.6	1480.6	1769.8
22.5°	1314.1	1304.9	1317.7	1429.3	1707.6
25°	1303.1	1268.3	1283.0	1389.1	1634.3
27.5°	1312.2	1235.4	1240.8	1352.4	1557.5
30°	1314.1	1195.1	1196.9	1314.1	1471.4
32.5°	1301.2	1153.0	1154.8	1266.5	1374.5
35°	1270.1	1103.6	1101.8	1211.5	1242.7
37.5°	1228.0	1050.5	1050.5	1151.1	1098.1
40°	1176.8	997.4	1003.0	1072.5	969.9
42.5°	1114.6	940.7	948.0	968.1	874.8
45°	1046.8	885.8	891.3	818.0	801.6
47.5°	971.8	829.0	830.9	679.0	777.8
50°	882.2	770.5	763.2	582.0	776.0
52.5°	803.4	706.4	684.5	527.0	704.6
55°	726.5	638.7	591.2	485.0	653.4
57.5°	658.9	550.9	505.1	435.5	642.4
60°	596.6	464.8	430.1	382.5	589.4
62.5°	545.4	400.8	393.5	345.9	534.4
65°	490.5	356.9	355.0	314.8	453.9
67.5°	437.4	327.6	325.7	285.5	345.9
70°	380.7	296.5	292.8	254.4	256.2
72.5°	322.1	261.7	258.1	228.8	212.3
75°	263.5	221.4	219.6	199.5	172.0
77.5°	206.9	175.7	179.4	161.1	126.3
80°	148.3	128.1	131.8	115.3	95.1
82.5°	98.8	84.2	87.9	73.2	64.0
85°	54.9	47.6	49.4	38.5	29.3
87.5°	25.7	21.9	21.9	14.6	9.2
90°	12.0	7.6	7.1	4.9	2.7
92.5°	74.1	52.8	48.1	29.5	10.9
95°	182.5	102.8	94.2	60.2	26.2
97.5°	245.8	112.9	105.4	75.4	45.4
100°	268.9	121.3	114.5	87.3	60.1
102.5°	279.4	129.8	123.4	98.1	72.7
105°	287.3	142.4	137.0	115.5	94.1
107.5°	288.7	161.0	156.0	135.9	115.9
110°	286.5	171.4	166.8	148.7	130.6



TEST NUMBER: P933828

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	286.6	183.9	179.7	162.4	145.2
115°	289.3	202.8	198.8	182.9	167.0
117.5°	294.6	221.1	217.5	203.0	188.6
120°	299.0	231.8	228.4	214.8	201.1
122.5°	305.3	244.3	240.9	227.2	213.5
125°	313.8	260.5	257.4	244.9	232.3
127.5°	322.3	276.1	272.9	260.2	247.6
130°	328.5	286.4	283.1	269.4	255.8
132.5°	333.5	294.9	291.5	277.9	264.3
135°	338.9	304.7	301.6	289.3	276.9
137.5°	347.1	317.3	314.2	302.0	289.7
140°	352.1	325.8	323.0	311.6	300.4
142.5°	356.3	332.1	329.5	319.0	308.5
145°	361.8	341.7	339.4	330.3	321.2
147.5°	369.8	353.7	351.5	342.6	333.7
150°	374.0	359.9	357.9	349.9	341.9
152.5°	376.7	364.0	362.5	356.5	350.4
155°	382.7	373.0	372.0	367.4	362.9
157.5°	388.8	382.1	381.0	376.6	372.2
160°	391.5	386.2	385.4	382.0	378.6
162.5°	394.4	390.6	390.0	387.4	384.9
165°	398.6	396.9	396.3	394.0	391.7
167.5°	401.9	400.4	400.1	399.1	398.0
170°	404.6	404.5	404.2	403.2	402.1
172.5°	404.8	404.8	404.7	404.5	404.2
175°	406.4	407.2	407.2	407.2	407.2
177.5°	406.6	407.2	407.2	407.2	407.2
180°	407.2	407.2	407.2	407.2	407.2



TEST NUMBER: P933828  
 CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-12-4000K

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	12.35	13.37	13.16	14.20	15.23	15.20	16.22	16.01	17.06	18.09
	3H	12.84	13.75	13.66	14.60	15.66	16.56	17.48	17.39	18.32	19.38
	4H	13.04	13.90	13.88	14.75	15.82	17.02	17.89	17.86	18.74	19.81
	6H	13.16	13.96	14.02	14.82	15.90	17.32	18.12	18.17	18.98	20.06
	8H	13.17	13.93	14.03	14.81	15.89	17.40	18.16	18.26	19.04	20.12
	12H	13.15	13.87	14.01	14.74	15.85	17.45	18.17	18.32	19.04	20.15
4H	2H	13.41	14.27	14.25	15.12	16.19	15.63	16.49	16.47	17.34	18.41
	3H	14.45	15.17	15.31	16.05	17.14	17.16	17.88	18.01	18.76	19.85
	4H	14.73	15.39	15.60	16.27	17.38	17.69	18.35	18.56	19.23	20.34
	6H	14.86	15.43	15.75	16.34	17.45	18.07	18.64	18.96	19.55	20.66
	8H	14.87	15.40	15.76	16.30	17.43	18.19	18.72	19.08	19.62	20.75
	12H	14.85	15.33	15.76	16.24	17.38	18.26	18.73	19.16	19.65	20.79
8H	4H	15.20	15.73	16.09	16.63	17.76	17.83	18.36	18.72	19.26	20.39
	6H	15.47	15.91	16.38	16.85	17.98	18.28	18.72	19.20	19.66	20.79
	8H	15.51	15.90	16.44	16.83	17.98	18.44	18.82	19.36	19.76	20.90
	12H	15.50	15.85	16.43	16.77	17.97	18.55	18.89	19.48	19.81	21.01
12H	4H	15.21	15.69	16.12	16.61	17.74	17.80	18.28	18.71	19.20	20.33
	6H	15.53	15.92	16.46	16.85	18.00	18.28	18.67	19.20	19.60	20.75
	8H	15.61	15.95	16.54	16.87	18.07	18.45	18.79	19.38	19.72	20.92