

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: P934393

Luminaire Tested: SQ4-FA-050U-075D-B2750-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934393
REPORT IS A COMBINATION OF REPORTS P933696 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-075D-B2750-1D-UNV-STD-W-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

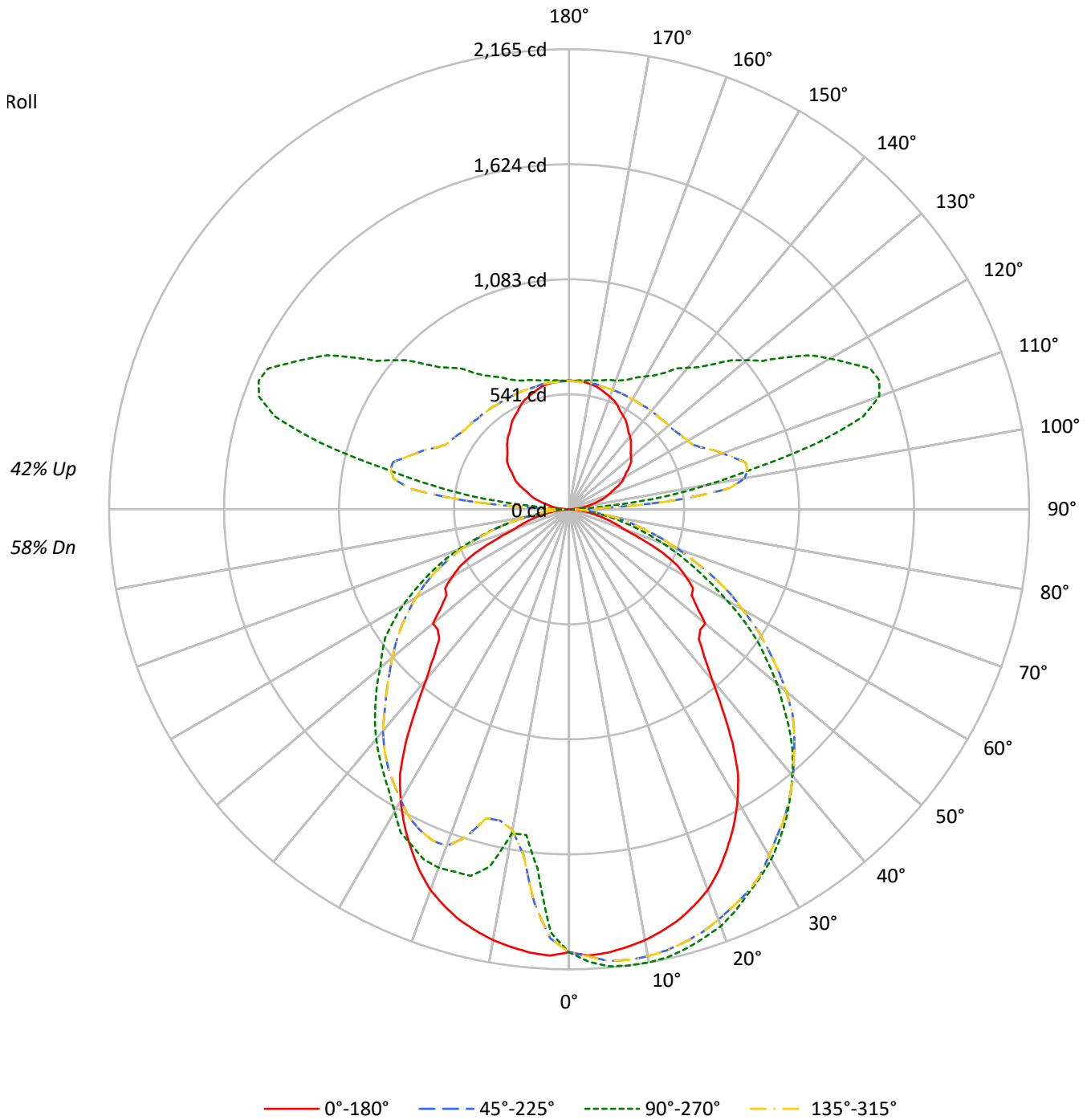
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9332.5 lumens
Efficiency: N/A
Efficacy: 128.2 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: General Diffuse

Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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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	0
RCR																		
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	63	63	63	58
1	100	95	91	88	93	89	86	83	77	75	72	66	64	63	56	55	54	49
2	91	83	77	72	84	78	72	68	68	63	60	58	55	52	49	47	45	41
3	83	73	66	60	77	68	62	57	60	55	50	51	48	44	44	41	39	35
4	76	65	57	51	70	61	54	48	53	47	43	46	41	38	39	36	33	30
5	70	58	49	43	65	54	47	41	47	42	37	41	37	33	35	32	29	26
6	64	52	44	38	60	49	41	36	43	37	32	37	32	29	32	28	25	23
7	59	47	39	33	55	44	37	31	39	33	28	34	29	25	29	25	23	20
8	55	42	35	29	51	40	33	28	35	29	25	31	26	23	27	23	20	18
9	51	39	31	26	48	37	30	25	32	27	23	28	24	20	25	21	18	16
10	48	36	28	23	45	34	27	22	30	24	20	26	22	18	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9670	9670	9670	9670
5°	9743	9762	9743	7676
10°	9678	9616	9678	6874
15°	9572	9407	9572	7855
20°	9372	9161	9372	7872
25°	8962	8801	8962	7705
30°	8433	8502	8433	7339
35°	7518	8124	7518	6936
40°	6265	7679	6265	6632
45°	5597	7158	5597	6282
50°	5946	6537	5946	5932
55°	5595	5868	5595	5729
60°	5767	4983	5767	5247
65°	5229	4119	5229	4605
70°	3621	3283	3621	3860
75°	3175	2427	3175	2906
80°	2557	1605	2557	1747
85°	1472	850	1472	722

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8578 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.1	2.0
10°-20°	534.2	5.7
20°-30°	825.8	8.8
30°-40°	985.8	10.6
40°-50°	991.6	10.6
50°-60°	862.8	9.2
60°-70°	611.8	6.6
70°-80°	323.7	3.5
80°-90°	82.9	0.9
90°-100°	295.2	3.2
100°-110°	776.1	8.3
110°-120°	804.7	8.6
120°-130°	645.5	6.9
130°-140°	506.5	5.4
140°-150°	388.8	4.2
150°-160°	280.0	3.0
160°-170°	171.3	1.8
170°-180°	57.9	0.6
0°-30°	1548.1	16.6
0°-40°	2533.9	27.2
0°-60°	4388.3	47.0
0°-90°	5406.6	57.9
90°-120°	1876.0	20.1
90°-150°	3416.8	36.6
90°-180°	3926.0	42.1
0°-180°	9332.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2084	2084	2084	2084	2084	
5°	2094	2159	2094	1698	2094	199
15°	2000	2140	2000	1786	2000	563
25°	1761	1996	1761	1747	1761	809
35°	1339	1781	1339	1520	1339	828
45°	864	1467	864	1288	864	692
55°	704	1083	704	1057	704	647
65°	489	653	489	730	489	467
75°	185	310	185	371	185	195
85°	32	79	32	67	32	43
90°	4	16	4	16	4	5
95°	39	178	39	178	39	43
105°	140	1215	140	1215	140	148
115°	248	1565	248	1565	248	245
125°	346	1246	346	1246	346	307
135°	412	967	412	967	412	319
145°	478	784	478	784	478	299
155°	540	676	540	676	540	248
165°	582	629	582	629	582	164
175°	606	610	606	610	606	57
180°	606	606	606	606	606	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3
2.5°	2102.1	2102.1	2113.9	2117.8	2117.8	2111.9	2106.0	2111.9	2129.7	2135.6	2133.6
5°	2094.2	2109.9	2131.6	2135.6	2139.5	2137.5	2133.6	2137.5	2157.3	2161.2	2163.2
7.5°	2078.4	2108.0	2135.6	2141.5	2147.4	2141.5	2139.5	2143.5	2163.2	2167.1	2167.1
10°	2058.7	2100.1	2131.6	2135.6	2141.5	2135.6	2135.6	2143.5	2163.2	2167.1	2169.1
12.5°	2031.1	2088.2	2117.8	2121.8	2129.7	2127.7	2125.7	2133.6	2153.3	2157.3	2157.3
15°	1999.5	2066.6	2094.2	2098.1	2111.9	2108.0	2108.0	2115.9	2137.5	2143.5	2141.5
17.5°	1956.1	2038.9	2070.5	2076.4	2086.3	2084.3	2086.3	2094.2	2113.9	2117.8	2119.8
20°	1906.8	2001.5	2038.9	2044.9	2054.7	2054.7	2054.7	2064.6	2084.3	2092.2	2092.2
22.5°	1839.8	1962.0	2001.5	2005.4	2017.3	2017.3	2021.2	2035.0	2052.8	2054.7	2054.7
25°	1760.9	1918.7	1952.2	1964.0	1975.8	1981.8	1987.7	1995.6	2001.5	1999.5	2001.5
27.5°	1678.1	1863.4	1906.8	1914.7	1930.5	1936.4	1944.3	1946.3	1948.2	1954.2	1950.2
30°	1585.4	1786.5	1851.6	1859.5	1885.1	1889.1	1881.2	1885.1	1895.0	1898.9	1902.9
32.5°	1480.9	1672.2	1794.4	1812.2	1835.8	1824.0	1822.0	1827.9	1843.7	1843.7	1847.7
35°	1338.9	1583.4	1741.2	1757.0	1774.7	1760.9	1768.8	1770.8	1780.6	1786.5	1784.6
37.5°	1183.1	1506.5	1686.0	1697.8	1711.6	1693.8	1705.7	1711.6	1719.5	1715.5	1715.5
40°	1045.2	1386.2	1620.9	1628.8	1640.6	1626.8	1638.6	1642.6	1646.5	1642.6	1640.6
42.5°	942.6	1254.1	1551.9	1561.7	1553.8	1563.7	1567.6	1575.5	1569.6	1561.7	1561.7
45°	863.7	1218.6	1476.9	1488.8	1476.9	1492.7	1498.6	1498.6	1480.9	1476.9	1475.0
47.5°	838.1	1147.7	1402.0	1402.0	1396.1	1415.8	1425.7	1411.9	1394.1	1388.2	1388.2
50°	836.1	1068.8	1299.4	1291.6	1319.2	1342.8	1333.0	1319.2	1305.4	1283.7	1283.7
52.5°	759.2	972.2	1167.4	1196.9	1240.3	1254.1	1238.3	1224.5	1200.8	1191.0	1183.1
55°	704.0	871.6	1047.1	1106.3	1151.6	1169.4	1139.8	1126.0	1090.5	1084.6	1080.7
57.5°	692.2	725.7	936.7	1011.6	1066.9	1064.9	1047.1	1021.5	991.9	986.0	984.0
60°	635.0	524.6	818.4	907.1	964.3	958.4	942.6	919.0	891.3	887.4	883.5
62.5°	575.8	380.6	684.3	784.9	865.7	863.7	849.9	814.4	794.7	784.9	777.0
65°	489.1	319.5	487.1	652.7	769.1	773.0	743.4	717.8	696.1	684.3	682.3
67.5°	372.7	260.3	329.3	544.3	676.4	672.5	635.0	623.2	595.5	589.6	577.8
70°	276.1	173.5	228.8	441.7	585.7	575.8	546.2	532.4	506.8	493.0	485.1
72.5°	228.8	140.0	167.6	343.1	493.0	481.2	455.5	439.8	418.1	406.2	398.3
75°	185.4	147.9	128.2	254.4	400.3	392.4	368.8	353.0	335.2	319.5	321.4
77.5°	136.1	138.0	102.5	187.3	317.5	305.7	291.9	272.1	264.2	248.5	248.5
80°	102.5	108.5	76.9	128.2	228.8	228.8	216.9	203.1	189.3	181.4	181.4
82.5°	69.0	69.0	57.2	80.9	155.8	149.9	142.0	138.0	130.2	126.2	126.2
85°	31.6	39.4	35.5	49.3	84.8	88.7	88.7	84.8	82.8	78.9	80.9
87.5°	9.9	17.7	21.7	27.6	43.4	45.4	47.3	47.3	47.3	49.3	49.3
90°	4.0	7.3	10.6	11.3	17.8	26.5	30.9	27.4	20.6	15.5	15.5
92.5°	16.3	43.9	71.6	78.5	110.3	152.7	173.9	152.4	109.4	77.2	74.1
95°	39.0	89.6	140.2	152.8	271.3	429.4	508.5	453.8	344.3	262.2	252.9
97.5°	67.4	112.0	156.7	167.8	365.5	629.1	760.9	726.3	657.1	605.2	587.5
100°	89.4	129.9	170.3	180.4	399.8	692.3	838.5	841.1	846.1	849.8	828.7
102.5°	108.2	145.9	183.6	193.1	415.5	712.2	860.5	904.6	992.7	1058.8	1040.7
105°	139.8	171.8	203.8	211.8	427.2	714.5	858.0	956.8	1154.5	1302.7	1292.9
107.5°	172.4	202.1	231.9	239.4	429.3	682.6	809.2	947.1	1222.7	1429.5	1431.9
110°	194.2	221.2	248.2	254.9	426.1	654.4	768.6	922.7	1230.8	1461.9	1472.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	215.8	241.5	267.1	273.5	426.2	629.9	731.6	889.3	1204.7	1441.2	1456.8
115°	248.4	272.0	295.7	301.6	430.2	601.7	687.3	839.3	1143.1	1370.9	1392.4
117.5°	280.4	301.9	323.4	328.8	438.2	583.9	656.8	793.9	1068.1	1273.8	1297.7
120°	299.2	319.4	339.7	344.7	444.7	578.0	644.6	769.9	1020.4	1208.3	1231.5
122.5°	317.4	337.8	358.2	363.3	454.0	574.8	635.3	748.1	973.8	1143.0	1165.8
125°	345.5	364.0	382.7	387.3	466.6	572.3	625.1	721.0	912.6	1056.4	1077.5
127.5°	368.3	387.0	405.7	410.5	479.2	570.8	616.5	698.9	863.4	986.9	1004.6
130°	380.4	400.6	420.9	426.0	488.4	571.7	613.3	686.6	833.1	942.9	959.4
132.5°	393.0	413.2	433.5	438.6	495.9	572.3	610.5	676.1	807.2	905.5	920.2
135°	411.8	430.2	448.5	453.2	503.9	571.7	605.6	660.5	770.4	852.7	865.4
137.5°	430.9	449.1	467.4	471.9	516.2	575.2	604.8	651.3	744.1	813.7	824.1
140°	446.7	463.5	480.3	484.5	523.7	575.8	602.0	642.1	722.2	782.4	792.1
142.5°	458.9	474.4	489.9	493.8	529.9	577.9	602.0	637.2	707.7	760.5	768.9
145°	477.6	491.1	504.7	508.1	538.1	578.0	597.9	626.7	684.4	727.6	733.9
147.5°	496.3	509.5	522.7	525.9	549.9	581.9	597.9	620.6	665.8	699.9	705.1
150°	508.5	520.4	532.3	535.3	556.2	584.0	597.9	617.0	655.4	684.1	688.3
152.5°	521.1	530.2	539.1	541.4	560.2	585.4	597.9	614.3	646.9	671.5	674.7
155°	539.7	546.4	553.1	554.8	569.2	588.3	597.9	610.9	636.9	656.4	658.5
157.5°	553.5	560.0	566.6	568.2	578.1	591.3	597.9	608.0	628.2	643.4	644.8
160°	562.9	568.0	573.1	574.3	582.2	592.7	597.9	606.6	623.8	636.9	637.7
162.5°	572.3	576.1	579.9	580.9	586.6	594.2	597.9	605.2	619.9	630.8	631.6
165°	582.4	585.9	589.2	590.1	592.7	596.1	597.9	603.1	613.6	621.5	622.4
167.5°	591.8	593.4	595.1	595.4	597.6	600.5	602.0	605.4	612.3	617.4	617.8
170°	597.9	599.5	601.2	601.6	601.7	601.9	602.0	605.4	612.3	617.4	617.4
172.5°	601.2	601.6	601.9	602.0	602.0	602.0	602.0	604.7	610.1	614.2	613.9
175°	605.6	605.6	605.6	605.6	604.4	602.7	602.0	603.6	607.1	609.6	609.6
177.5°	605.6	605.6	605.6	605.6	604.6	603.3	602.7	604.1	606.8	608.9	608.5
180°	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3
2.5°	2137.5	2131.6	2137.5	2133.6	2135.6	2129.7	2111.9	2106.0	2111.9	2117.8	2117.8
5°	2163.2	2159.2	2163.2	2163.2	2161.2	2157.3	2137.5	2133.6	2137.5	2139.5	2135.6
7.5°	2171.1	2165.2	2171.1	2167.1	2167.1	2163.2	2143.5	2139.5	2141.5	2147.4	2141.5
10°	2171.1	2165.2	2171.1	2169.1	2167.1	2163.2	2143.5	2135.6	2135.6	2141.5	2135.6
12.5°	2161.2	2157.3	2161.2	2157.3	2157.3	2153.3	2133.6	2125.7	2127.7	2129.7	2121.8
15°	2145.4	2139.5	2145.4	2141.5	2143.5	2137.5	2115.9	2108.0	2108.0	2111.9	2098.1
17.5°	2121.8	2113.9	2121.8	2119.8	2117.8	2113.9	2094.2	2086.3	2084.3	2086.3	2076.4
20°	2094.2	2088.2	2094.2	2092.2	2092.2	2084.3	2064.6	2054.7	2054.7	2054.7	2044.9
22.5°	2050.8	2044.9	2050.8	2054.7	2054.7	2052.8	2035.0	2021.2	2017.3	2017.3	2005.4
25°	2001.5	1995.6	2001.5	2001.5	1999.5	2001.5	1995.6	1987.7	1981.8	1975.8	1964.0
27.5°	1954.2	1950.2	1954.2	1950.2	1954.2	1948.2	1946.3	1944.3	1936.4	1930.5	1914.7
30°	1906.8	1902.9	1906.8	1902.9	1898.9	1895.0	1885.1	1881.2	1889.1	1885.1	1859.5
32.5°	1847.7	1843.7	1847.7	1847.7	1843.7	1843.7	1827.9	1822.0	1824.0	1835.8	1812.2
35°	1786.5	1780.6	1786.5	1784.6	1786.5	1780.6	1770.8	1768.8	1760.9	1774.7	1757.0
37.5°	1715.5	1709.6	1715.5	1715.5	1715.5	1719.5	1711.6	1705.7	1693.8	1711.6	1697.8
40°	1642.6	1634.7	1642.6	1640.6	1642.6	1646.5	1642.6	1638.6	1626.8	1640.6	1628.8
42.5°	1559.8	1557.8	1559.8	1561.7	1561.7	1569.6	1575.5	1567.6	1563.7	1553.8	1561.7
45°	1471.0	1467.1	1471.0	1475.0	1476.9	1480.9	1498.6	1498.6	1492.7	1476.9	1488.8
47.5°	1376.4	1366.5	1376.4	1388.2	1388.2	1394.1	1411.9	1425.7	1415.8	1396.1	1402.0
50°	1275.8	1277.8	1275.8	1283.7	1283.7	1305.4	1319.2	1333.0	1342.8	1319.2	1291.6
52.5°	1177.2	1175.3	1177.2	1183.1	1191.0	1200.8	1224.5	1238.3	1254.1	1240.3	1196.9
55°	1078.7	1082.6	1078.7	1080.7	1084.6	1090.5	1126.0	1139.8	1169.4	1151.6	1106.3
57.5°	980.1	974.2	980.1	984.0	986.0	991.9	1021.5	1047.1	1064.9	1066.9	1011.6
60°	865.7	857.8	865.7	883.5	887.4	891.3	919.0	942.6	958.4	964.3	907.1
62.5°	765.1	751.3	765.1	777.0	784.9	794.7	814.4	849.9	863.7	865.7	784.9
65°	658.6	652.7	658.6	682.3	684.3	696.1	717.8	743.4	773.0	769.1	652.7
67.5°	562.0	562.0	562.0	577.8	589.6	595.5	623.2	635.0	672.5	676.4	544.3
70°	473.3	471.3	473.3	485.1	493.0	506.8	532.4	546.2	575.8	585.7	441.7
72.5°	388.5	386.5	388.5	398.3	406.2	418.1	439.8	455.5	481.2	493.0	343.1
75°	313.5	309.6	313.5	321.4	319.5	335.2	353.0	368.8	392.4	400.3	254.4
77.5°	240.6	240.6	240.6	248.5	248.5	264.2	272.1	291.9	305.7	317.5	187.3
80°	179.5	177.5	179.5	181.4	181.4	189.3	203.1	216.9	228.8	228.8	128.2
82.5°	126.2	122.3	126.2	126.2	126.2	130.2	138.0	142.0	149.9	155.8	80.9
85°	78.9	78.9	78.9	80.9	78.9	82.8	84.8	88.7	88.7	84.8	49.3
87.5°	51.3	49.3	51.3	49.3	49.3	47.3	47.3	47.3	45.4	43.4	27.6
90°	15.5	15.5	15.5	15.5	15.5	20.6	27.4	30.9	26.5	17.8	11.3
92.5°	61.8	49.6	61.8	74.1	77.2	109.4	152.4	173.9	152.7	110.3	78.5
95°	215.6	178.5	215.6	252.9	262.2	344.3	453.8	508.5	429.4	271.3	152.8
97.5°	516.7	445.9	516.7	587.5	605.2	657.1	726.3	760.9	629.1	365.5	167.8
100°	744.4	660.0	744.4	828.7	849.8	846.1	841.1	838.5	692.3	399.8	180.4
102.5°	968.4	896.2	968.4	1040.7	1058.8	992.7	904.6	860.5	712.2	415.5	193.1
105°	1254.1	1215.2	1254.1	1292.9	1302.7	1154.5	956.8	858.0	714.5	427.2	211.8
107.5°	1441.2	1450.6	1441.2	1431.9	1429.5	1222.7	947.1	809.2	682.6	429.3	239.4
110°	1512.5	1553.0	1512.5	1472.1	1461.9	1230.8	922.7	768.6	654.4	426.1	254.9



TEST NUMBER: P934393

CATALOG NUMBER: SQ4-FA-050U-075D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1518.9	1581.1	1518.9	1456.8	1441.2	1204.7	889.3	731.6	629.9	426.2	273.5
115°	1478.6	1564.8	1478.6	1392.4	1370.9	1143.1	839.3	687.3	601.7	430.2	301.6
117.5°	1393.3	1488.9	1393.3	1297.7	1273.8	1068.1	793.9	656.8	583.9	438.2	328.8
120°	1324.4	1417.3	1324.4	1231.5	1208.3	1020.4	769.9	644.6	578.0	444.7	344.7
122.5°	1257.4	1349.0	1257.4	1165.8	1143.0	973.8	748.1	635.3	574.8	454.0	363.3
125°	1161.8	1246.2	1161.8	1077.5	1056.4	912.6	721.0	625.1	572.3	466.6	387.3
127.5°	1075.8	1147.0	1075.8	1004.6	986.9	863.4	698.9	616.5	570.8	479.2	410.5
130°	1025.1	1090.9	1025.1	959.4	942.9	833.1	686.6	613.3	571.7	488.4	426.0
132.5°	979.2	1038.1	979.2	920.2	905.5	807.2	676.1	610.5	572.3	495.9	438.6
135°	916.2	967.0	916.2	865.4	852.7	770.4	660.5	605.6	571.7	503.9	453.2
137.5°	865.7	907.2	865.7	824.1	813.7	744.1	651.3	604.8	575.2	516.2	471.9
140°	830.9	869.8	830.9	792.1	782.4	722.2	642.1	602.0	575.8	523.7	484.5
142.5°	802.2	835.6	802.2	768.9	760.5	707.7	637.2	602.0	577.9	529.9	493.8
145°	759.2	784.5	759.2	733.9	727.6	684.4	626.7	597.9	578.0	538.1	508.1
147.5°	726.1	747.1	726.1	705.1	699.9	665.8	620.6	597.9	581.9	549.9	525.9
150°	705.3	722.2	705.3	688.3	684.1	655.4	617.0	597.9	584.0	556.2	535.3
152.5°	687.5	700.4	687.5	674.7	671.5	646.9	614.3	597.9	585.4	560.2	541.4
155°	667.0	675.5	667.0	658.5	656.4	636.9	610.9	597.9	588.3	569.2	554.8
157.5°	650.9	656.8	650.9	644.8	643.4	628.2	608.0	597.9	591.3	578.1	568.2
160°	641.2	644.6	641.2	637.7	636.9	623.8	606.6	597.9	592.7	582.2	574.3
162.5°	634.9	638.1	634.9	631.6	630.8	619.9	605.2	597.9	594.2	586.6	580.9
165°	625.7	629.2	625.7	622.4	621.5	613.6	603.1	597.9	596.1	592.7	590.1
167.5°	619.2	620.7	619.2	617.8	617.4	612.3	605.4	602.0	600.5	597.6	595.4
170°	617.4	617.4	617.4	617.4	617.4	612.3	605.4	602.0	601.9	601.7	601.6
172.5°	612.6	611.3	612.6	613.9	614.2	610.1	604.7	602.0	602.0	602.0	602.0
175°	609.6	609.6	609.6	609.6	609.6	607.1	603.6	602.0	602.7	604.4	605.6
177.5°	607.1	605.6	607.1	608.5	608.9	606.8	604.1	602.7	603.3	604.6	605.6
180°	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6



TEST NUMBER: P934393

CATALOG NUMBER: SQ4-FA-050U-075D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3
2.5°	2113.9	2102.1	2102.1	2082.3	2074.4	2068.5	2058.7	2029.1	2021.2	2013.3	2025.1
5°	2131.6	2109.9	2094.2	2058.7	2029.1	2017.3	1979.8	1908.8	1861.5	1826.0	1806.3
7.5°	2135.6	2108.0	2078.4	2023.2	1952.2	1920.6	1806.3	1676.1	1640.6	1609.1	1589.3
10°	2131.6	2100.1	2058.7	1975.8	1808.2	1753.0	1638.6	1553.8	1532.1	1526.2	1532.1
12.5°	2117.8	2088.2	2031.1	1893.0	1658.4	1620.9	1553.8	1504.5	1500.6	1510.5	1563.7
15°	2094.2	2066.6	1999.5	1782.6	1575.5	1547.9	1500.6	1482.8	1504.5	1573.6	1733.3
17.5°	2070.5	2038.9	1956.1	1674.1	1512.4	1492.7	1459.2	1494.7	1616.9	1709.6	1762.9
20°	2038.9	2001.5	1906.8	1595.2	1467.1	1449.3	1433.5	1593.3	1686.0	1719.5	1749.1
22.5°	2001.5	1962.0	1839.8	1540.0	1419.7	1405.9	1415.8	1648.5	1686.0	1709.6	1735.3
25°	1952.2	1918.7	1760.9	1496.6	1382.3	1366.5	1404.0	1642.6	1664.3	1670.2	1721.5
27.5°	1906.8	1863.4	1678.1	1457.2	1336.9	1331.0	1413.8	1616.9	1632.7	1638.6	1693.8
30°	1851.6	1786.5	1585.4	1415.8	1289.6	1287.6	1415.8	1585.4	1581.4	1597.2	1652.4
32.5°	1794.4	1672.2	1480.9	1364.5	1244.2	1242.3	1402.0	1538.1	1534.1	1555.8	1597.2
35°	1741.2	1583.4	1338.9	1305.4	1187.0	1189.0	1368.5	1482.8	1484.8	1504.5	1530.2
37.5°	1686.0	1506.5	1183.1	1240.3	1131.9	1131.9	1323.1	1431.6	1427.6	1433.5	1469.0
40°	1620.9	1386.2	1045.2	1155.6	1080.7	1074.7	1267.9	1376.4	1362.6	1360.6	1409.9
42.5°	1551.9	1254.1	942.6	1043.2	1021.5	1013.6	1200.8	1309.3	1283.7	1289.6	1352.7
45°	1476.9	1218.6	863.7	881.5	960.4	954.4	1128.0	1232.4	1214.7	1230.4	1295.5
47.5°	1402.0	1147.7	838.1	731.6	895.3	893.3	1047.1	1157.6	1147.7	1163.5	1232.4
50°	1299.4	1068.8	836.1	627.1	822.3	830.2	950.5	1084.6	1084.6	1098.4	1171.4
52.5°	1167.4	972.2	759.2	567.9	737.5	761.2	865.7	1021.5	1025.4	1039.2	1104.3
55°	1047.1	871.6	704.0	522.6	637.0	688.2	782.9	956.4	964.3	978.1	1037.3
57.5°	936.7	725.7	692.2	469.3	544.3	593.6	709.9	893.3	897.3	909.1	966.3
60°	818.4	524.6	635.0	412.1	463.4	500.9	642.9	818.4	832.2	840.1	889.4
62.5°	684.3	380.6	575.8	372.7	424.0	431.9	587.7	747.4	765.1	771.1	800.6
65°	487.1	319.5	489.1	339.2	382.6	384.5	528.5	674.4	690.2	700.1	721.8
67.5°	329.3	260.3	372.7	307.6	351.0	353.0	471.3	589.6	611.3	619.2	633.0
70°	228.8	173.5	276.1	274.1	315.5	319.5	410.2	512.7	532.4	538.4	546.2
72.5°	167.6	140.0	228.8	246.5	278.1	282.0	347.1	426.0	445.7	451.6	455.5
75°	128.2	147.9	185.4	214.9	236.6	238.6	284.0	347.1	360.9	364.8	366.8
77.5°	102.5	138.0	136.1	173.5	193.3	189.3	222.8	268.2	280.0	280.0	280.0
80°	76.9	108.5	102.5	124.2	142.0	138.0	159.7	191.3	195.2	199.2	197.2
82.5°	57.2	69.0	69.0	78.9	94.7	90.7	106.5	124.2	124.2	124.2	128.2
85°	35.5	39.4	31.6	41.4	53.2	51.3	59.2	67.0	69.0	69.0	65.1
87.5°	21.7	17.7	9.9	15.8	23.7	23.7	27.6	29.6	27.6	27.6	27.6
90°	10.6	7.3	4.0	7.3	10.6	11.3	17.8	26.5	30.9	27.4	20.6
92.5°	71.6	43.9	16.3	43.9	71.6	78.5	110.3	152.7	173.9	152.4	109.4
95°	140.2	89.6	39.0	89.6	140.2	152.8	271.3	429.4	508.5	453.8	344.3
97.5°	156.7	112.0	67.4	112.0	156.7	167.8	365.5	629.1	760.9	726.3	657.1
100°	170.3	129.9	89.4	129.9	170.3	180.4	399.8	692.3	838.5	841.1	846.1
102.5°	183.6	145.9	108.2	145.9	183.6	193.1	415.5	712.2	860.5	904.6	992.7
105°	203.8	171.8	139.8	171.8	203.8	211.8	427.2	714.5	858.0	956.8	1154.5
107.5°	231.9	202.1	172.4	202.1	231.9	239.4	429.3	682.6	809.2	947.1	1222.7
110°	248.2	221.2	194.2	221.2	248.2	254.9	426.1	654.4	768.6	922.7	1230.8



TEST NUMBER: P934393

CATALOG NUMBER: SQ4-FA-050U-075D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	267.1	241.5	215.8	241.5	267.1	273.5	426.2	629.9	731.6	889.3	1204.7
115°	295.7	272.0	248.4	272.0	295.7	301.6	430.2	601.7	687.3	839.3	1143.1
117.5°	323.4	301.9	280.4	301.9	323.4	328.8	438.2	583.9	656.8	793.9	1068.1
120°	339.7	319.4	299.2	319.4	339.7	344.7	444.7	578.0	644.6	769.9	1020.4
122.5°	358.2	337.8	317.4	337.8	358.2	363.3	454.0	574.8	635.3	748.1	973.8
125°	382.7	364.0	345.5	364.0	382.7	387.3	466.6	572.3	625.1	721.0	912.6
127.5°	405.7	387.0	368.3	387.0	405.7	410.5	479.2	570.8	616.5	698.9	863.4
130°	420.9	400.6	380.4	400.6	420.9	426.0	488.4	571.7	613.3	686.6	833.1
132.5°	433.5	413.2	393.0	413.2	433.5	438.6	495.9	572.3	610.5	676.1	807.2
135°	448.5	430.2	411.8	430.2	448.5	453.2	503.9	571.7	605.6	660.5	770.4
137.5°	467.4	449.1	430.9	449.1	467.4	471.9	516.2	575.2	604.8	651.3	744.1
140°	480.3	463.5	446.7	463.5	480.3	484.5	523.7	575.8	602.0	642.1	722.2
142.5°	489.9	474.4	458.9	474.4	489.9	493.8	529.9	577.9	602.0	637.2	707.7
145°	504.7	491.1	477.6	491.1	504.7	508.1	538.1	578.0	597.9	626.7	684.4
147.5°	522.7	509.5	496.3	509.5	522.7	525.9	549.9	581.9	597.9	620.6	665.8
150°	532.3	520.4	508.5	520.4	532.3	535.3	556.2	584.0	597.9	617.0	655.4
152.5°	539.1	530.2	521.1	530.2	539.1	541.4	560.2	585.4	597.9	614.3	646.9
155°	553.1	546.4	539.7	546.4	553.1	554.8	569.2	588.3	597.9	610.9	636.9
157.5°	566.6	560.0	553.5	560.0	566.6	568.2	578.1	591.3	597.9	608.0	628.2
160°	573.1	568.0	562.9	568.0	573.1	574.3	582.2	592.7	597.9	606.6	623.8
162.5°	579.9	576.1	572.3	576.1	579.9	580.9	586.6	594.2	597.9	605.2	619.9
165°	589.2	585.9	582.4	585.9	589.2	590.1	592.7	596.1	597.9	603.1	613.6
167.5°	595.1	593.4	591.8	593.4	595.1	595.4	597.6	600.5	602.0	605.4	612.3
170°	601.2	599.5	597.9	599.5	601.2	601.6	601.7	601.9	602.0	605.4	612.3
172.5°	601.9	601.6	601.2	601.6	601.9	602.0	602.0	602.0	602.0	604.7	610.1
175°	605.6	605.6	605.6	605.6	605.6	605.6	604.4	602.7	602.0	603.6	607.1
177.5°	605.6	605.6	605.6	605.6	605.6	605.6	604.6	603.3	602.7	604.1	606.8
180°	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6



TEST NUMBER: P934393

CATALOG NUMBER: SQ4-FA-050U-075D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3
2.5°	2011.3	2005.4	2013.3	1991.6	2013.3	2005.4	2011.3	2025.1	2013.3	2021.2	2029.1
5°	1764.8	1755.0	1723.4	1697.8	1723.4	1755.0	1764.8	1806.3	1826.0	1861.5	1908.8
7.5°	1577.5	1569.6	1561.7	1545.9	1561.7	1569.6	1577.5	1589.3	1609.1	1640.6	1676.1
10°	1536.1	1538.1	1549.9	1547.9	1549.9	1538.1	1536.1	1532.1	1526.2	1532.1	1553.8
12.5°	1642.6	1660.3	1725.4	1721.5	1725.4	1660.3	1642.6	1563.7	1510.5	1500.6	1504.5
15°	1764.8	1770.8	1784.6	1786.5	1784.6	1770.8	1764.8	1733.3	1573.6	1504.5	1482.8
17.5°	1776.7	1778.6	1788.5	1788.5	1788.5	1778.6	1776.7	1762.9	1709.6	1616.9	1494.7
20°	1766.8	1770.8	1790.5	1794.4	1790.5	1770.8	1766.8	1749.1	1719.5	1686.0	1593.3
22.5°	1762.9	1770.8	1786.5	1784.6	1786.5	1770.8	1762.9	1735.3	1709.6	1686.0	1648.5
25°	1743.1	1743.1	1745.1	1747.1	1745.1	1743.1	1743.1	1721.5	1670.2	1664.3	1642.6
27.5°	1701.7	1705.7	1717.5	1715.5	1717.5	1705.7	1701.7	1693.8	1638.6	1632.7	1616.9
30°	1664.3	1660.3	1650.5	1642.6	1650.5	1660.3	1664.3	1652.4	1597.2	1581.4	1585.4
32.5°	1601.2	1591.3	1581.4	1575.5	1581.4	1591.3	1601.2	1597.2	1555.8	1534.1	1538.1
35°	1526.2	1528.2	1526.2	1520.3	1526.2	1528.2	1526.2	1530.2	1504.5	1484.8	1482.8
37.5°	1473.0	1476.9	1475.0	1467.1	1475.0	1476.9	1473.0	1469.0	1433.5	1427.6	1431.6
40°	1417.8	1419.7	1417.8	1411.9	1417.8	1419.7	1417.8	1409.9	1360.6	1362.6	1376.4
42.5°	1364.5	1362.6	1356.6	1352.7	1356.6	1362.6	1364.5	1352.7	1289.6	1283.7	1309.3
45°	1303.4	1305.4	1293.5	1287.6	1293.5	1305.4	1303.4	1295.5	1230.4	1214.7	1232.4
47.5°	1242.3	1242.3	1232.4	1226.5	1232.4	1242.3	1242.3	1232.4	1163.5	1147.7	1157.6
50°	1177.2	1175.3	1161.5	1159.5	1161.5	1175.3	1177.2	1171.4	1098.4	1084.6	1084.6
52.5°	1102.3	1102.3	1104.3	1108.3	1104.3	1102.3	1102.3	1104.3	1039.2	1025.4	1021.5
55°	1037.3	1039.2	1053.0	1057.0	1053.0	1039.2	1037.3	1037.3	978.1	964.3	956.4
57.5°	970.2	970.2	980.1	980.1	980.1	970.2	970.2	966.3	909.1	897.3	893.3
60°	893.3	897.3	905.1	903.2	905.1	897.3	893.3	889.4	840.1	832.2	818.4
62.5°	812.5	816.4	818.4	814.4	818.4	816.4	812.5	800.6	771.1	765.1	747.4
65°	727.7	731.6	733.6	729.6	733.6	731.6	727.7	721.8	700.1	690.2	674.4
67.5°	640.9	638.9	637.0	644.8	637.0	638.9	640.9	633.0	619.2	611.3	589.6
70°	552.2	552.2	550.2	554.1	550.2	552.2	552.2	546.2	538.4	532.4	512.7
72.5°	457.5	455.5	463.4	457.5	463.4	455.5	457.5	455.5	451.6	445.7	426.0
75°	364.8	368.8	364.8	370.7	364.8	368.8	364.8	366.8	364.8	360.9	347.1
77.5°	278.1	282.0	278.1	278.1	278.1	282.0	278.1	280.0	280.0	280.0	268.2
80°	197.2	195.2	195.2	193.3	195.2	195.2	197.2	197.2	199.2	195.2	191.3
82.5°	126.2	124.2	124.2	128.2	124.2	124.2	126.2	128.2	124.2	124.2	124.2
85°	69.0	71.0	67.0	67.0	67.0	71.0	69.0	65.1	69.0	69.0	67.0
87.5°	25.6	23.7	23.7	23.7	23.7	23.7	25.6	27.6	27.6	27.6	29.6
90°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	20.6	27.4	30.9	26.5
92.5°	77.2	74.1	61.8	49.6	61.8	74.1	77.2	109.4	152.4	173.9	152.7
95°	262.2	252.9	215.6	178.5	215.6	252.9	262.2	344.3	453.8	508.5	429.4
97.5°	605.2	587.5	516.7	445.9	516.7	587.5	605.2	657.1	726.3	760.9	629.1
100°	849.8	828.7	744.4	660.0	744.4	828.7	849.8	846.1	841.1	838.5	692.3
102.5°	1058.8	1040.7	968.4	896.2	968.4	1040.7	1058.8	992.7	904.6	860.5	712.2
105°	1302.7	1292.9	1254.1	1215.2	1254.1	1292.9	1302.7	1154.5	956.8	858.0	714.5
107.5°	1429.5	1431.9	1441.2	1450.6	1441.2	1431.9	1429.5	1222.7	947.1	809.2	682.6
110°	1461.9	1472.1	1512.5	1553.0	1512.5	1472.1	1461.9	1230.8	922.7	768.6	654.4



TEST NUMBER: P934393

CATALOG NUMBER: SQ4-FA-050U-075D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1441.2	1456.8	1518.9	1581.1	1518.9	1456.8	1441.2	1204.7	889.3	731.6	629.9
115°	1370.9	1392.4	1478.6	1564.8	1478.6	1392.4	1370.9	1143.1	839.3	687.3	601.7
117.5°	1273.8	1297.7	1393.3	1488.9	1393.3	1297.7	1273.8	1068.1	793.9	656.8	583.9
120°	1208.3	1231.5	1324.4	1417.3	1324.4	1231.5	1208.3	1020.4	769.9	644.6	578.0
122.5°	1143.0	1165.8	1257.4	1349.0	1257.4	1165.8	1143.0	973.8	748.1	635.3	574.8
125°	1056.4	1077.5	1161.8	1246.2	1161.8	1077.5	1056.4	912.6	721.0	625.1	572.3
127.5°	986.9	1004.6	1075.8	1147.0	1075.8	1004.6	986.9	863.4	698.9	616.5	570.8
130°	942.9	959.4	1025.1	1090.9	1025.1	959.4	942.9	833.1	686.6	613.3	571.7
132.5°	905.5	920.2	979.2	1038.1	979.2	920.2	905.5	807.2	676.1	610.5	572.3
135°	852.7	865.4	916.2	967.0	916.2	865.4	852.7	770.4	660.5	605.6	571.7
137.5°	813.7	824.1	865.7	907.2	865.7	824.1	813.7	744.1	651.3	604.8	575.2
140°	782.4	792.1	830.9	869.8	830.9	792.1	782.4	722.2	642.1	602.0	575.8
142.5°	760.5	768.9	802.2	835.6	802.2	768.9	760.5	707.7	637.2	602.0	577.9
145°	727.6	733.9	759.2	784.5	759.2	733.9	727.6	684.4	626.7	597.9	578.0
147.5°	699.9	705.1	726.1	747.1	726.1	705.1	699.9	665.8	620.6	597.9	581.9
150°	684.1	688.3	705.3	722.2	705.3	688.3	684.1	655.4	617.0	597.9	584.0
152.5°	671.5	674.7	687.5	700.4	687.5	674.7	671.5	646.9	614.3	597.9	585.4
155°	656.4	658.5	667.0	675.5	667.0	658.5	656.4	636.9	610.9	597.9	588.3
157.5°	643.4	644.8	650.9	656.8	650.9	644.8	643.4	628.2	608.0	597.9	591.3
160°	636.9	637.7	641.2	644.6	641.2	637.7	636.9	623.8	606.6	597.9	592.7
162.5°	630.8	631.6	634.9	638.1	634.9	631.6	630.8	619.9	605.2	597.9	594.2
165°	621.5	622.4	625.7	629.2	625.7	622.4	621.5	613.6	603.1	597.9	596.1
167.5°	617.4	617.8	619.2	620.7	619.2	617.8	617.4	612.3	605.4	602.0	600.5
170°	617.4	617.4	617.4	617.4	617.4	617.4	617.4	612.3	605.4	602.0	601.9
172.5°	614.2	613.9	612.6	611.3	612.6	613.9	614.2	610.1	604.7	602.0	602.0
175°	609.6	609.6	609.6	609.6	609.6	609.6	609.6	607.1	603.6	602.0	602.7
177.5°	608.9	608.5	607.1	605.6	607.1	608.5	608.9	606.8	604.1	602.7	603.3
180°	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2084.3	2084.3	2084.3	2084.3	2084.3
2.5°	2058.7	2068.5	2074.4	2082.3	2102.1
5°	1979.8	2017.3	2029.1	2058.7	2094.2
7.5°	1806.3	1920.6	1952.2	2023.2	2078.4
10°	1638.6	1753.0	1808.2	1975.8	2058.7
12.5°	1553.8	1620.9	1658.4	1893.0	2031.1
15°	1500.6	1547.9	1575.5	1782.6	1999.5
17.5°	1459.2	1492.7	1512.4	1674.1	1956.1
20°	1433.5	1449.3	1467.1	1595.2	1906.8
22.5°	1415.8	1405.9	1419.7	1540.0	1839.8
25°	1404.0	1366.5	1382.3	1496.6	1760.9
27.5°	1413.8	1331.0	1336.9	1457.2	1678.1
30°	1415.8	1287.6	1289.6	1415.8	1585.4
32.5°	1402.0	1242.3	1244.2	1364.5	1480.9
35°	1368.5	1189.0	1187.0	1305.4	1338.9
37.5°	1323.1	1131.9	1131.9	1240.3	1183.1
40°	1267.9	1074.7	1080.7	1155.6	1045.2
42.5°	1200.8	1013.6	1021.5	1043.2	942.6
45°	1128.0	954.4	960.4	881.5	863.7
47.5°	1047.1	893.3	895.3	731.6	838.1
50°	950.5	830.2	822.3	627.1	836.1
52.5°	865.7	761.2	737.5	567.9	759.2
55°	782.9	688.2	637.0	522.6	704.0
57.5°	709.9	593.6	544.3	469.3	692.2
60°	642.9	500.9	463.4	412.1	635.0
62.5°	587.7	431.9	424.0	372.7	575.8
65°	528.5	384.5	382.6	339.2	489.1
67.5°	471.3	353.0	351.0	307.6	372.7
70°	410.2	319.5	315.5	274.1	276.1
72.5°	347.1	282.0	278.1	246.5	228.8
75°	284.0	238.6	236.6	214.9	185.4
77.5°	222.8	189.3	193.3	173.5	136.1
80°	159.7	138.0	142.0	124.2	102.5
82.5°	106.5	90.7	94.7	78.9	69.0
85°	59.2	51.3	53.2	41.4	31.6
87.5°	27.6	23.7	23.7	15.8	9.9
90°	17.8	11.3	10.6	7.3	4.0
92.5°	110.3	78.5	71.6	43.9	16.3
95°	271.3	152.8	140.2	89.6	39.0
97.5°	365.5	167.8	156.7	112.0	67.4
100°	399.8	180.4	170.3	129.9	89.4
102.5°	415.5	193.1	183.6	145.9	108.2
105°	427.2	211.8	203.8	171.8	139.8
107.5°	429.3	239.4	231.9	202.1	172.4
110°	426.1	254.9	248.2	221.2	194.2



TEST NUMBER: P934393

CATALOG NUMBER: SQ4-FA-050U-075D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	426.2	273.5	267.1	241.5	215.8
115°	430.2	301.6	295.7	272.0	248.4
117.5°	438.2	328.8	323.4	301.9	280.4
120°	444.7	344.7	339.7	319.4	299.2
122.5°	454.0	363.3	358.2	337.8	317.4
125°	466.6	387.3	382.7	364.0	345.5
127.5°	479.2	410.5	405.7	387.0	368.3
130°	488.4	426.0	420.9	400.6	380.4
132.5°	495.9	438.6	433.5	413.2	393.0
135°	503.9	453.2	448.5	430.2	411.8
137.5°	516.2	471.9	467.4	449.1	430.9
140°	523.7	484.5	480.3	463.5	446.7
142.5°	529.9	493.8	489.9	474.4	458.9
145°	538.1	508.1	504.7	491.1	477.6
147.5°	549.9	525.9	522.7	509.5	496.3
150°	556.2	535.3	532.3	520.4	508.5
152.5°	560.2	541.4	539.1	530.2	521.1
155°	569.2	554.8	553.1	546.4	539.7
157.5°	578.1	568.2	566.6	560.0	553.5
160°	582.2	574.3	573.1	568.0	562.9
162.5°	586.6	580.9	579.9	576.1	572.3
165°	592.7	590.1	589.2	585.9	582.4
167.5°	597.6	595.4	595.1	593.4	591.8
170°	601.7	601.6	601.2	599.5	597.9
172.5°	602.0	602.0	601.9	601.6	601.2
175°	604.4	605.6	605.6	605.6	605.6
177.5°	604.6	605.6	605.6	605.6	605.6
180°	605.6	605.6	605.6	605.6	605.6



TEST NUMBER: P934393
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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.39	14.33	14.28	15.24	16.39	16.23	17.17	17.12	18.07	19.23
	3H	13.88	14.72	14.77	15.63	16.81	17.58	18.42	18.48	19.34	20.52
	4H	14.07	14.86	14.98	15.79	16.97	18.03	18.83	18.95	19.75	20.94
	6H	14.19	14.93	15.12	15.85	17.05	18.32	19.06	19.25	19.98	21.19
	8H	14.20	14.89	15.13	15.84	17.04	18.40	19.10	19.34	20.04	21.24
	12H	14.17	14.83	15.11	15.77	17.00	18.44	19.11	19.38	20.05	21.27
4H	2H	14.44	15.23	15.36	16.15	17.34	16.65	17.44	17.57	18.36	19.55
	3H	15.47	16.13	16.40	17.09	18.29	18.16	18.83	19.09	19.78	20.98
	4H	15.75	16.35	16.69	17.30	18.53	18.70	19.30	19.64	20.25	21.48
	6H	15.88	16.40	16.83	17.37	18.60	19.07	19.59	20.02	20.56	21.79
	8H	15.89	16.37	16.84	17.34	18.58	19.18	19.66	20.13	20.63	21.87
	12H	15.86	16.30	16.83	17.28	18.53	19.24	19.68	20.21	20.66	21.91
8H	4H	16.21	16.70	17.17	17.66	18.90	18.83	19.31	19.78	20.28	21.52
	6H	16.48	16.88	17.46	17.88	19.13	19.27	19.67	20.25	20.68	21.92
	8H	16.52	16.87	17.51	17.87	19.13	19.42	19.78	20.41	20.77	22.03
	12H	16.51	16.82	17.50	17.81	19.11	19.53	19.84	20.52	20.83	22.13
12H	4H	16.22	16.66	17.20	17.64	18.89	18.80	19.23	19.77	20.22	21.46
	6H	16.54	16.89	17.53	17.89	19.15	19.27	19.62	20.26	20.62	21.88
	8H	16.61	16.92	17.60	17.91	19.22	19.43	19.75	20.43	20.73	22.04