

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: P934819

Luminaire Tested: SQ4-FA-075U-100D-840-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934819
REPORT IS A COMBINATION OF REPORTS P933715 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-100D-840-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

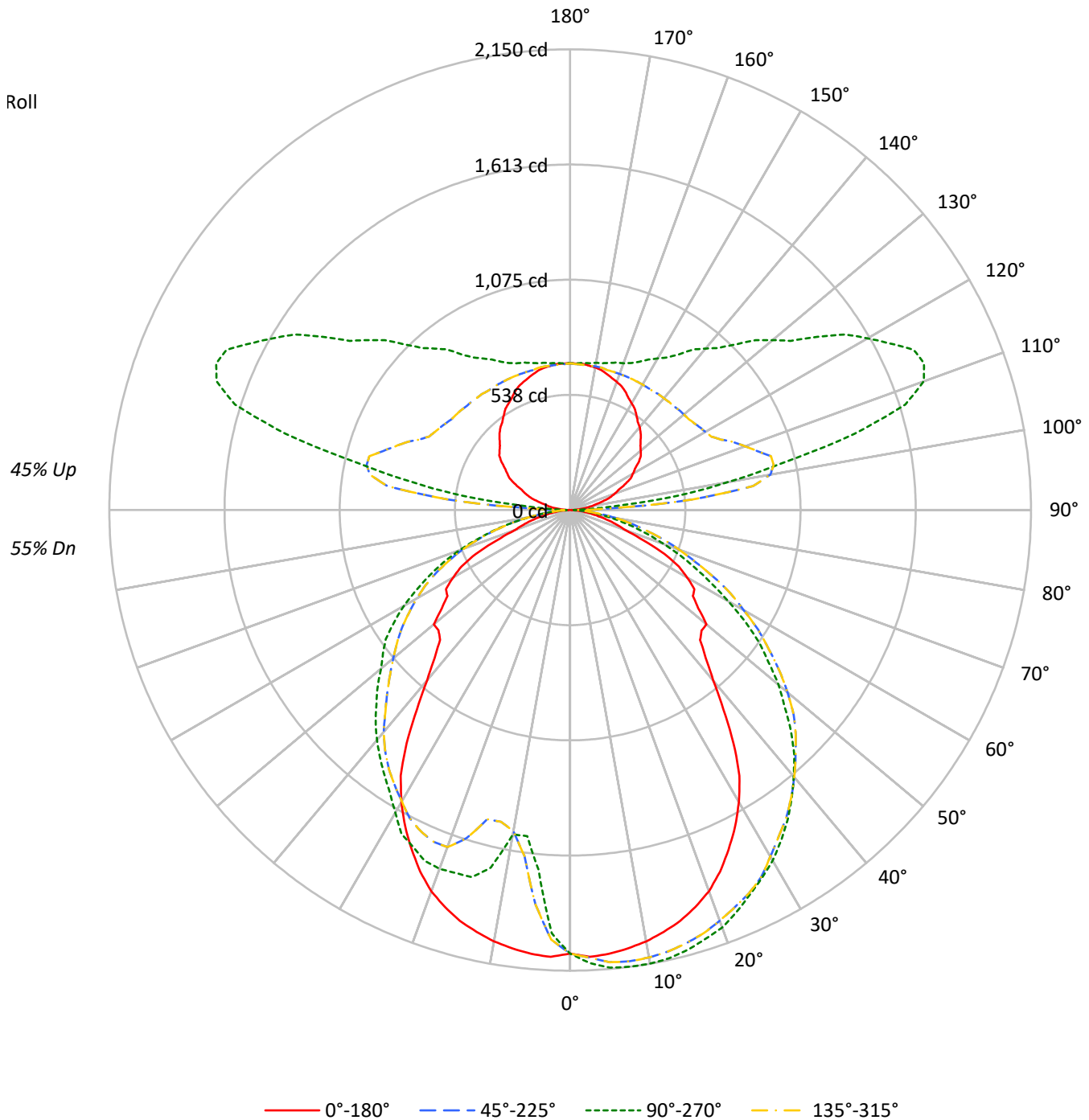
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9805.9 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 76.8
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

TEST NUMBER: P934819
CATALOG NUMBER: SQ4-FA-075U-100D-840-1D-UNV-STD-W-6

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	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	54	52	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	47	45	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	42	39	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	37	34	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	34	30	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	30	27	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	28	24	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	25	22	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	24	20	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	22	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12802	12802	12802	12802
5°	12893	12923	12893	10161
10°	12803	12730	12803	9101
15°	12658	12454	12658	10400
20°	12389	12127	12389	10421
25°	11842	11651	11842	10200
30°	11138	11255	11138	9716
35°	9924	10754	9924	9183
40°	8264	10166	8264	8780
45°	7380	9476	7380	8317
50°	7833	8654	7833	7852
55°	7364	7767	7364	7584
60°	7581	6597	7581	6946
65°	6863	5453	6863	6096
70°	4741	4346	4741	5109
75°	4143	3213	4143	3847
80°	3313	2125	3313	2313
85°	1866	1125	1866	957

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11318 cd/sqm



TEST NUMBER: P934819

CATALOG NUMBER: SQ4-FA-075U-100D-840-1D-UNV-STD-W-6

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.8	1.9
10°-20°	530.4	5.4
20°-30°	819.9	8.4
30°-40°	978.8	10.0
40°-50°	984.5	10.0
50°-60°	856.7	8.7
60°-70°	607.4	6.2
70°-80°	321.3	3.3
80°-90°	82.6	0.8
90°-100°	333.7	3.4
100°-110°	877.2	8.9
110°-120°	909.6	9.3
120°-130°	729.6	7.4
130°-140°	572.5	5.8
140°-150°	439.4	4.5
150°-160°	316.4	3.2
160°-170°	193.6	2.0
170°-180°	65.4	0.7
0°-30°	1537.1	15.7
0°-40°	2515.9	25.7
0°-60°	4357.1	44.4
0°-90°	5368.4	54.7
90°-120°	2120.5	21.6
90°-150°	3862.0	39.4
90°-180°	4437.0	45.2
0°-180°	9805.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2070	2070	2070	2070	2070	
5°	2079	2144	2079	1686	2079	197
15°	1985	2124	1985	1774	1985	559
25°	1748	1981	1748	1735	1748	803
35°	1330	1768	1330	1510	1330	822
45°	858	1457	858	1278	858	687
55°	699	1075	699	1050	699	642
65°	486	648	486	724	486	464
75°	184	307	184	368	184	194
85°	31	78	31	67	31	42
90°	4	18	4	18	4	5
95°	44	202	44	202	44	49
105°	158	1374	158	1374	158	168
115°	281	1769	281	1769	281	277
125°	390	1409	390	1409	390	347
135°	465	1093	465	1093	465	360
145°	540	887	540	887	540	338
155°	610	764	610	764	610	280
165°	658	711	658	711	658	186
175°	684	689	684	689	684	65
180°	684	684	684	684	684	



TEST NUMBER: P934819

CATALOG NUMBER: SQ4-FA-075U-100D-840-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5
2.5°	2087.2	2087.2	2098.9	2102.8	2102.8	2096.9	2091.0	2096.9	2114.5	2120.4	2118.5
5°	2079.2	2095.0	2116.5	2120.4	2124.3	2122.3	2118.5	2122.3	2141.9	2145.8	2147.8
7.5°	2063.6	2093.0	2120.4	2126.3	2132.1	2126.3	2124.3	2128.3	2147.8	2151.8	2151.8
10°	2044.1	2085.2	2116.5	2120.4	2126.3	2120.4	2120.4	2128.3	2147.8	2151.8	2153.6
12.5°	2016.6	2073.4	2102.8	2106.7	2114.5	2112.5	2110.6	2118.5	2138.0	2141.9	2141.9
15°	1985.3	2051.9	2079.2	2083.2	2096.9	2093.0	2093.0	2100.8	2122.3	2128.3	2126.3
17.5°	1942.2	2024.4	2055.8	2061.7	2071.4	2069.5	2071.4	2079.2	2098.9	2102.8	2104.7
20°	1893.3	1987.3	2024.4	2030.3	2040.1	2040.1	2040.1	2049.9	2069.5	2077.4	2077.4
22.5°	1826.7	1948.1	1987.3	1991.2	2003.0	2003.0	2006.8	2020.6	2038.1	2040.1	2040.1
25°	1748.4	1905.1	1938.4	1950.0	1961.8	1967.7	1973.5	1981.4	1987.3	1985.3	1987.3
27.5°	1666.2	1850.2	1893.3	1901.1	1916.8	1922.6	1930.5	1932.4	1934.4	1940.2	1936.4
30°	1574.2	1773.9	1838.5	1846.3	1871.8	1875.6	1867.8	1871.8	1881.5	1885.5	1889.4
32.5°	1470.3	1660.3	1781.7	1799.3	1822.8	1811.0	1809.1	1815.0	1830.7	1830.7	1834.5
35°	1329.5	1572.2	1728.8	1744.5	1762.1	1748.4	1756.3	1758.1	1767.9	1773.9	1771.9
37.5°	1174.7	1495.8	1674.0	1685.7	1699.5	1681.9	1693.5	1699.5	1707.3	1703.4	1703.4
40°	1037.7	1376.4	1609.4	1617.3	1629.0	1615.3	1627.0	1630.9	1634.8	1630.9	1629.0
42.5°	935.8	1245.2	1540.9	1550.7	1542.9	1552.6	1556.5	1564.4	1558.5	1550.7	1550.7
45°	857.6	1210.0	1466.5	1478.2	1466.5	1482.1	1488.0	1488.0	1470.3	1466.5	1464.5
47.5°	832.1	1139.5	1392.1	1392.1	1386.2	1405.7	1415.5	1401.9	1384.2	1378.4	1378.4
50°	830.1	1061.2	1290.2	1282.4	1309.8	1333.3	1323.5	1309.8	1296.2	1274.6	1274.6
52.5°	753.7	965.3	1159.0	1188.5	1231.5	1245.2	1229.6	1215.8	1192.3	1182.5	1174.7
55°	699.0	865.4	1039.7	1098.4	1143.4	1161.0	1131.7	1117.9	1082.7	1076.8	1073.0
57.5°	687.3	720.5	930.0	1004.4	1059.2	1057.3	1039.7	1014.2	984.8	978.9	977.0
60°	630.4	520.8	812.5	900.7	957.4	951.5	935.8	912.4	885.0	881.1	877.1
62.5°	571.7	377.9	679.3	779.2	859.6	857.6	843.9	808.6	789.0	779.2	771.4
65°	485.6	317.1	483.6	648.0	763.6	767.5	738.1	712.6	691.1	679.3	677.5
67.5°	370.0	258.5	326.9	540.3	671.5	667.7	630.4	618.7	591.3	585.4	573.6
70°	274.1	172.3	227.1	438.6	581.5	571.7	542.3	528.7	503.2	489.5	481.6
72.5°	227.1	139.0	166.4	340.7	489.5	477.7	452.3	436.6	415.1	403.3	395.5
75°	184.1	146.8	127.3	252.5	397.5	389.7	366.2	350.4	332.9	317.1	319.1
77.5°	135.1	137.0	101.8	186.0	315.2	303.5	289.8	270.2	262.3	246.7	246.7
80°	101.8	107.7	76.4	127.3	227.1	227.1	215.4	201.7	187.9	180.1	180.1
82.5°	68.6	68.6	56.8	80.2	154.7	148.8	141.0	137.0	129.2	125.3	125.3
85°	31.3	39.1	35.3	48.9	84.2	88.1	88.1	84.2	82.2	78.3	80.2
87.5°	9.8	17.6	21.5	27.4	43.1	45.1	47.0	47.0	47.0	48.9	48.9
90°	4.5	8.2	12.0	12.8	20.2	29.9	34.9	31.0	23.3	17.5	17.5
92.5°	18.4	49.6	80.8	88.6	124.6	172.6	196.6	172.3	123.7	87.2	83.8
95°	44.1	101.3	158.4	172.7	306.7	485.4	574.7	512.9	389.1	296.3	285.8
97.5°	76.3	126.7	177.0	189.7	413.2	711.1	860.1	820.9	742.8	684.1	664.0
100°	101.1	146.8	192.6	204.0	451.9	782.5	947.8	950.7	956.4	960.6	936.8
102.5°	122.2	164.9	207.6	218.2	469.7	804.9	972.6	1022.4	1122.1	1196.8	1176.3
105°	158.1	194.2	230.4	239.4	482.8	807.5	969.8	1081.5	1304.9	1472.4	1461.4
107.5°	194.8	228.5	262.2	270.6	485.3	771.5	914.7	1070.5	1382.1	1615.8	1618.4
110°	219.6	250.1	280.4	288.0	481.6	739.7	868.7	1042.9	1391.3	1652.5	1664.0



TEST NUMBER: P934819

CATALOG NUMBER: SQ4-FA-075U-100D-840-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	243.9	272.9	301.9	309.1	481.7	711.9	827.0	1005.2	1361.7	1629.0	1646.6
115°	280.7	307.5	334.1	340.9	486.2	679.9	776.9	948.6	1292.0	1549.6	1573.9
117.5°	317.0	341.3	365.6	371.7	495.3	660.0	742.4	897.4	1207.3	1439.8	1466.8
120°	338.1	361.0	383.8	389.6	502.6	653.3	728.6	870.2	1153.4	1365.8	1392.1
122.5°	358.8	381.9	405.0	410.7	513.2	649.8	718.1	845.5	1100.5	1291.8	1317.7
125°	390.5	411.5	432.5	437.8	527.4	646.8	706.6	814.9	1031.6	1194.0	1217.8
127.5°	416.2	437.5	458.6	464.0	541.6	645.2	696.9	789.9	975.9	1115.5	1135.6
130°	430.0	452.9	475.7	481.5	552.1	646.3	693.3	776.1	941.7	1065.9	1084.4
132.5°	444.2	467.1	489.9	495.7	560.5	646.8	690.0	764.1	912.4	1023.6	1040.2
135°	465.3	486.2	507.0	512.3	569.7	646.3	684.5	746.5	870.7	963.8	978.1
137.5°	487.0	507.5	528.2	533.3	583.4	650.2	683.6	736.1	841.0	919.7	931.5
140°	504.9	523.8	542.9	547.6	591.9	650.9	680.3	725.7	816.4	884.4	895.3
142.5°	518.7	536.3	553.9	558.2	598.9	653.2	680.3	720.2	799.8	859.6	869.0
145°	539.8	555.2	570.4	574.2	608.1	653.3	675.8	708.4	773.5	822.3	829.4
147.5°	560.9	575.8	590.7	594.5	621.6	657.7	675.8	701.4	752.7	791.1	797.0
150°	574.7	588.2	601.7	605.1	628.7	660.1	675.8	697.4	740.7	773.2	778.0
152.5°	588.9	599.2	609.4	612.0	633.2	661.6	675.8	694.3	731.2	759.0	762.6
155°	610.1	617.6	625.2	627.1	643.3	664.9	675.8	690.5	720.0	742.0	744.4
157.5°	625.7	633.1	640.4	642.3	653.5	668.4	675.8	687.3	710.1	727.3	728.9
160°	636.3	642.0	647.7	649.1	658.0	669.9	675.8	685.6	705.1	719.9	720.8
162.5°	646.8	651.2	655.4	656.5	662.9	671.5	675.8	684.1	700.6	713.0	713.9
165°	658.3	662.3	666.1	667.1	670.0	673.8	675.8	681.7	693.6	702.5	703.5
167.5°	668.9	670.8	672.5	673.0	675.5	678.8	680.3	684.2	692.0	697.8	698.2
170°	675.8	677.7	679.4	679.9	680.0	680.2	680.3	684.2	692.0	697.8	697.8
172.5°	679.4	679.8	680.2	680.3	680.3	680.3	680.3	683.4	689.5	694.2	693.8
175°	684.5	684.5	684.5	684.5	683.1	681.2	680.3	682.3	686.2	689.1	689.1
177.5°	684.5	684.5	684.5	684.5	683.4	682.0	681.3	682.9	686.0	688.2	687.8
180°	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5



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CATALOG NUMBER: SQ4-FA-075U-100D-840-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5
2.5°	2122.3	2116.5	2122.3	2118.5	2120.4	2114.5	2096.9	2091.0	2096.9	2102.8	2102.8
5°	2147.8	2143.9	2147.8	2147.8	2145.8	2141.9	2122.3	2118.5	2122.3	2124.3	2120.4
7.5°	2155.6	2149.8	2155.6	2151.8	2151.8	2147.8	2128.3	2124.3	2126.3	2132.1	2126.3
10°	2155.6	2149.8	2155.6	2153.6	2151.8	2147.8	2128.3	2120.4	2120.4	2126.3	2120.4
12.5°	2145.8	2141.9	2145.8	2141.9	2141.9	2138.0	2118.5	2110.6	2112.5	2114.5	2106.7
15°	2130.2	2124.3	2130.2	2126.3	2128.3	2122.3	2100.8	2093.0	2093.0	2096.9	2083.2
17.5°	2106.7	2098.9	2106.7	2104.7	2102.8	2098.9	2079.2	2071.4	2069.5	2071.4	2061.7
20°	2079.2	2073.4	2079.2	2077.4	2077.4	2069.5	2049.9	2040.1	2040.1	2040.1	2030.3
22.5°	2036.2	2030.3	2036.2	2040.1	2040.1	2038.1	2020.6	2006.8	2003.0	2003.0	1991.2
25°	1987.3	1981.4	1987.3	1987.3	1985.3	1987.3	1981.4	1973.5	1967.7	1961.8	1950.0
27.5°	1940.2	1936.4	1940.2	1936.4	1940.2	1934.4	1932.4	1930.5	1922.6	1916.8	1901.1
30°	1893.3	1889.4	1893.3	1889.4	1885.5	1881.5	1871.8	1867.8	1875.6	1871.8	1846.3
32.5°	1834.5	1830.7	1834.5	1834.5	1830.7	1830.7	1815.0	1809.1	1811.0	1822.8	1799.3
35°	1773.9	1767.9	1773.9	1771.9	1773.9	1767.9	1758.1	1756.3	1748.4	1762.1	1744.5
37.5°	1703.4	1697.5	1703.4	1703.4	1703.4	1707.3	1699.5	1693.5	1681.9	1699.5	1685.7
40°	1630.9	1623.1	1630.9	1629.0	1630.9	1634.8	1630.9	1627.0	1615.3	1629.0	1617.3
42.5°	1548.7	1546.7	1548.7	1550.7	1550.7	1558.5	1564.4	1556.5	1552.6	1542.9	1550.7
45°	1460.6	1456.7	1460.6	1464.5	1466.5	1470.3	1488.0	1488.0	1482.1	1466.5	1478.2
47.5°	1366.6	1356.8	1366.6	1378.4	1378.4	1384.2	1401.9	1415.5	1405.7	1386.2	1392.1
50°	1266.7	1268.7	1266.7	1274.6	1274.6	1296.2	1309.8	1323.5	1333.3	1309.8	1282.4
52.5°	1168.9	1166.9	1168.9	1174.7	1182.5	1192.3	1215.8	1229.6	1245.2	1231.5	1188.5
55°	1071.0	1074.8	1071.0	1073.0	1076.8	1082.7	1117.9	1131.7	1161.0	1143.4	1098.4
57.5°	973.1	967.2	973.1	977.0	978.9	984.8	1014.2	1039.7	1057.3	1059.2	1004.4
60°	859.6	851.7	859.6	877.1	881.1	885.0	912.4	935.8	951.5	957.4	900.7
62.5°	759.7	745.9	759.7	771.4	779.2	789.0	808.6	843.9	857.6	859.6	779.2
65°	654.0	648.0	654.0	677.5	679.3	691.1	712.6	738.1	767.5	763.6	648.0
67.5°	558.0	558.0	558.0	573.6	585.4	591.3	618.7	630.4	667.7	671.5	540.3
70°	469.9	467.9	469.9	481.6	489.5	503.2	528.7	542.3	571.7	581.5	438.6
72.5°	385.7	383.7	385.7	395.5	403.3	415.1	436.6	452.3	477.7	489.5	340.7
75°	311.3	307.4	311.3	319.1	317.1	332.9	350.4	366.2	389.7	397.5	252.5
77.5°	238.9	238.9	238.9	246.7	246.7	262.3	270.2	289.8	303.5	315.2	186.0
80°	178.1	176.3	178.1	180.1	180.1	187.9	201.7	215.4	227.1	227.1	127.3
82.5°	125.3	121.4	125.3	125.3	125.3	129.2	137.0	141.0	148.8	154.7	80.2
85°	78.3	78.3	78.3	80.2	78.3	82.2	84.2	88.1	88.1	84.2	48.9
87.5°	50.9	48.9	50.9	48.9	48.9	47.0	47.0	47.0	45.1	43.1	27.4
90°	17.5	17.5	17.5	17.5	17.5	23.3	31.0	34.9	29.9	20.2	12.8
92.5°	69.9	56.0	69.9	83.8	87.2	123.7	172.3	196.6	172.6	124.6	88.6
95°	243.7	201.7	243.7	285.8	296.3	389.1	512.9	574.7	485.4	306.7	172.7
97.5°	584.0	504.0	584.0	664.0	684.1	742.8	820.9	860.1	711.1	413.2	189.7
100°	841.4	746.0	841.4	936.8	960.6	956.4	950.7	947.8	782.5	451.9	204.0
102.5°	1094.7	1013.0	1094.7	1176.3	1196.8	1122.1	1022.4	972.6	804.9	469.7	218.2
105°	1417.5	1373.6	1417.5	1461.4	1472.4	1304.9	1081.5	969.8	807.5	482.8	239.4
107.5°	1629.0	1639.6	1629.0	1618.4	1615.8	1382.1	1070.5	914.7	771.5	485.3	270.6
110°	1709.6	1755.4	1709.6	1664.0	1652.5	1391.3	1042.9	868.7	739.7	481.6	288.0



TEST NUMBER: P934819

CATALOG NUMBER: SQ4-FA-075U-100D-840-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1716.8	1787.1	1716.8	1646.6	1629.0	1361.7	1005.2	827.0	711.9	481.7	309.1
115°	1671.3	1768.7	1671.3	1573.9	1549.6	1292.0	948.6	776.9	679.9	486.2	340.9
117.5°	1574.8	1682.8	1574.8	1466.8	1439.8	1207.3	897.4	742.4	660.0	495.3	371.7
120°	1497.0	1601.9	1497.0	1392.1	1365.8	1153.4	870.2	728.6	653.3	502.6	389.6
122.5°	1421.2	1524.8	1421.2	1317.7	1291.8	1100.5	845.5	718.1	649.8	513.2	410.7
125°	1313.2	1408.6	1313.2	1217.8	1194.0	1031.6	814.9	706.6	646.8	527.4	437.8
127.5°	1216.0	1296.5	1216.0	1135.6	1115.5	975.9	789.9	696.9	645.2	541.6	464.0
130°	1158.7	1233.0	1158.7	1084.4	1065.9	941.7	776.1	693.3	646.3	552.1	481.5
132.5°	1106.8	1173.3	1106.8	1040.2	1023.6	912.4	764.1	690.0	646.8	560.5	495.7
135°	1035.5	1092.9	1035.5	978.1	963.8	870.7	746.5	684.5	646.3	569.7	512.3
137.5°	978.4	1025.4	978.4	931.5	919.7	841.0	736.1	683.6	650.2	583.4	533.3
140°	939.3	983.2	939.3	895.3	884.4	816.4	725.7	680.3	650.9	591.9	547.6
142.5°	906.8	944.5	906.8	869.0	859.6	799.8	720.2	680.3	653.2	598.9	558.2
145°	858.1	886.6	858.1	829.4	822.3	773.5	708.4	675.8	653.3	608.1	574.2
147.5°	820.6	844.3	820.6	797.0	791.1	752.7	701.4	675.8	657.7	621.6	594.5
150°	797.2	816.4	797.2	778.0	773.2	740.7	697.4	675.8	660.1	628.7	605.1
152.5°	777.1	791.6	777.1	762.6	759.0	731.2	694.3	675.8	661.6	633.2	612.0
155°	753.9	763.5	753.9	744.4	742.0	720.0	690.5	675.8	664.9	643.3	627.1
157.5°	735.7	742.4	735.7	728.9	727.3	710.1	687.3	675.8	668.4	653.5	642.3
160°	724.7	728.6	724.7	720.8	719.9	705.1	685.6	675.8	669.9	658.0	649.1
162.5°	717.6	721.2	717.6	713.9	713.0	700.6	684.1	675.8	671.5	662.9	656.5
165°	707.3	711.2	707.3	703.5	702.5	693.6	681.7	675.8	673.8	670.0	667.1
167.5°	699.9	701.5	699.9	698.2	697.8	692.0	684.2	680.3	678.8	675.5	673.0
170°	697.8	697.8	697.8	697.8	697.8	692.0	684.2	680.3	680.2	680.0	679.9
172.5°	692.4	690.9	692.4	693.8	694.2	689.5	683.4	680.3	680.3	680.3	680.3
175°	689.1	689.1	689.1	689.1	689.1	686.2	682.3	680.3	681.2	683.1	684.5
177.5°	686.2	684.5	686.2	687.8	688.2	686.0	682.9	681.3	682.0	683.4	684.5
180°	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5



TEST NUMBER: P934819

CATALOG NUMBER: SQ4-FA-075U-100D-840-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5
2.5°	2098.9	2087.2	2087.2	2067.5	2059.7	2053.9	2044.1	2014.6	2006.8	1999.0	2010.8
5°	2116.5	2095.0	2079.2	2044.1	2014.6	2003.0	1965.7	1895.3	1848.3	1813.0	1793.4
7.5°	2120.4	2093.0	2063.6	2008.8	1938.4	1906.9	1793.4	1664.2	1629.0	1597.6	1578.0
10°	2116.5	2085.2	2044.1	1961.8	1795.4	1740.6	1627.0	1542.9	1521.3	1515.4	1521.3
12.5°	2102.8	2073.4	2016.6	1879.6	1646.6	1609.4	1542.9	1493.9	1490.0	1499.8	1552.6
15°	2079.2	2051.9	1985.3	1769.9	1564.4	1536.9	1490.0	1472.3	1493.9	1562.4	1721.0
17.5°	2055.8	2024.4	1942.2	1662.2	1501.7	1482.1	1448.8	1484.1	1605.5	1697.5	1750.3
20°	2024.4	1987.3	1893.3	1584.0	1456.7	1439.0	1423.4	1582.0	1674.0	1707.3	1736.6
22.5°	1987.3	1948.1	1826.7	1529.1	1409.7	1395.9	1405.7	1636.8	1674.0	1697.5	1723.0
25°	1938.4	1905.1	1748.4	1486.1	1372.5	1356.8	1394.1	1630.9	1652.4	1658.4	1709.2
27.5°	1893.3	1850.2	1666.2	1446.9	1327.5	1321.5	1403.8	1605.5	1621.1	1627.0	1681.9
30°	1838.5	1773.9	1574.2	1405.7	1280.4	1278.5	1405.7	1574.2	1570.2	1585.9	1640.7
32.5°	1781.7	1660.3	1470.3	1354.8	1235.4	1233.5	1392.1	1527.2	1523.2	1544.7	1585.9
35°	1728.8	1572.2	1329.5	1296.2	1178.7	1180.6	1358.8	1472.3	1474.3	1493.9	1519.3
37.5°	1674.0	1495.8	1174.7	1231.5	1123.8	1123.8	1313.7	1421.4	1417.5	1423.4	1458.6
40°	1609.4	1376.4	1037.7	1147.4	1073.0	1067.0	1258.9	1366.6	1352.9	1351.0	1399.9
42.5°	1540.9	1245.2	935.8	1035.7	1014.2	1006.4	1192.3	1300.0	1274.6	1280.4	1343.1
45°	1466.5	1210.0	857.6	875.2	953.5	947.6	1119.9	1223.6	1206.1	1221.8	1286.4
47.5°	1392.1	1139.5	832.1	726.4	888.9	886.9	1039.7	1149.2	1139.5	1155.2	1223.6
50°	1290.2	1061.2	830.1	622.6	816.5	824.3	943.7	1076.8	1076.8	1090.6	1163.0
52.5°	1159.0	965.3	753.7	563.9	732.2	755.7	859.6	1014.2	1018.1	1031.8	1096.4
55°	1039.7	865.4	699.0	518.8	632.4	683.3	777.3	949.6	957.4	971.1	1029.9
57.5°	930.0	720.5	687.3	465.9	540.3	589.3	704.8	886.9	890.9	902.6	959.3
60°	812.5	520.8	630.4	409.2	460.1	497.3	638.2	812.5	826.3	834.1	883.0
62.5°	679.3	377.9	571.7	370.0	421.0	428.8	583.4	742.1	759.7	765.5	794.9
65°	483.6	317.1	485.6	336.7	379.8	381.8	524.7	669.6	685.3	695.1	716.6
67.5°	326.9	258.5	370.0	305.4	348.5	350.4	467.9	585.4	606.9	614.7	628.5
70°	227.1	172.3	274.1	272.2	313.3	317.1	407.3	509.0	528.7	534.5	542.3
72.5°	166.4	139.0	227.1	244.7	276.0	280.0	344.6	422.9	442.5	448.4	452.3
75°	127.3	146.8	184.1	213.4	234.9	236.9	282.0	344.6	358.2	362.2	364.2
77.5°	101.8	137.0	135.1	172.3	191.9	187.9	221.2	266.3	278.0	278.0	278.0
80°	76.4	107.7	101.8	123.3	141.0	137.0	158.6	189.9	193.8	197.7	195.8
82.5°	56.8	68.6	68.6	78.3	94.0	90.1	105.7	123.3	123.3	123.3	127.3
85°	35.3	39.1	31.3	41.1	52.9	50.9	58.8	66.6	68.6	68.6	64.6
87.5°	21.5	17.6	9.8	15.7	23.5	23.5	27.4	29.3	27.4	27.4	27.4
90°	12.0	8.2	4.5	8.2	12.0	12.8	20.2	29.9	34.9	31.0	23.3
92.5°	80.8	49.6	18.4	49.6	80.8	88.6	124.6	172.6	196.6	172.3	123.7
95°	158.4	101.3	44.1	101.3	158.4	172.7	306.7	485.4	574.7	512.9	389.1
97.5°	177.0	126.7	76.3	126.7	177.0	189.7	413.2	711.1	860.1	820.9	742.8
100°	192.6	146.8	101.1	146.8	192.6	204.0	451.9	782.5	947.8	950.7	956.4
102.5°	207.6	164.9	122.2	164.9	207.6	218.2	469.7	804.9	972.6	1022.4	1122.1
105°	230.4	194.2	158.1	194.2	230.4	239.4	482.8	807.5	969.8	1081.5	1304.9
107.5°	262.2	228.5	194.8	228.5	262.2	270.6	485.3	771.5	914.7	1070.5	1382.1
110°	280.4	250.1	219.6	250.1	280.4	288.0	481.6	739.7	868.7	1042.9	1391.3



TEST NUMBER: P934819

CATALOG NUMBER: SQ4-FA-075U-100D-840-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	301.9	272.9	243.9	272.9	301.9	309.1	481.7	711.9	827.0	1005.2	1361.7
115°	334.1	307.5	280.7	307.5	334.1	340.9	486.2	679.9	776.9	948.6	1292.0
117.5°	365.6	341.3	317.0	341.3	365.6	371.7	495.3	660.0	742.4	897.4	1207.3
120°	383.8	361.0	338.1	361.0	383.8	389.6	502.6	653.3	728.6	870.2	1153.4
122.5°	405.0	381.9	358.8	381.9	405.0	410.7	513.2	649.8	718.1	845.5	1100.5
125°	432.5	411.5	390.5	411.5	432.5	437.8	527.4	646.8	706.6	814.9	1031.6
127.5°	458.6	437.5	416.2	437.5	458.6	464.0	541.6	645.2	696.9	789.9	975.9
130°	475.7	452.9	430.0	452.9	475.7	481.5	552.1	646.3	693.3	776.1	941.7
132.5°	489.9	467.1	444.2	467.1	489.9	495.7	560.5	646.8	690.0	764.1	912.4
135°	507.0	486.2	465.3	486.2	507.0	512.3	569.7	646.3	684.5	746.5	870.7
137.5°	528.2	507.5	487.0	507.5	528.2	533.3	583.4	650.2	683.6	736.1	841.0
140°	542.9	523.8	504.9	523.8	542.9	547.6	591.9	650.9	680.3	725.7	816.4
142.5°	553.9	536.3	518.7	536.3	553.9	558.2	598.9	653.2	680.3	720.2	799.8
145°	570.4	555.2	539.8	555.2	570.4	574.2	608.1	653.3	675.8	708.4	773.5
147.5°	590.7	575.8	560.9	575.8	590.7	594.5	621.6	657.7	675.8	701.4	752.7
150°	601.7	588.2	574.7	588.2	601.7	605.1	628.7	660.1	675.8	697.4	740.7
152.5°	609.4	599.2	588.9	599.2	609.4	612.0	633.2	661.6	675.8	694.3	731.2
155°	625.2	617.6	610.1	617.6	625.2	627.1	643.3	664.9	675.8	690.5	720.0
157.5°	640.4	633.1	625.7	633.1	640.4	642.3	653.5	668.4	675.8	687.3	710.1
160°	647.7	642.0	636.3	642.0	647.7	649.1	658.0	669.9	675.8	685.6	705.1
162.5°	655.4	651.2	646.8	651.2	655.4	656.5	662.9	671.5	675.8	684.1	700.6
165°	666.1	662.3	658.3	662.3	666.1	667.1	670.0	673.8	675.8	681.7	693.6
167.5°	672.5	670.8	668.9	670.8	672.5	673.0	675.5	678.8	680.3	684.2	692.0
170°	679.4	677.7	675.8	677.7	679.4	679.9	680.0	680.2	680.3	684.2	692.0
172.5°	680.2	679.8	679.4	679.8	680.2	680.3	680.3	680.3	680.3	683.4	689.5
175°	684.5	684.5	684.5	684.5	684.5	684.5	683.1	681.2	680.3	682.3	686.2
177.5°	684.5	684.5	684.5	684.5	684.5	684.5	683.4	682.0	681.3	682.9	686.0
180°	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5



TEST NUMBER: P934819
 CATALOG NUMBER: SQ4-FA-075U-100D-840-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5	2069.5
2.5°	1997.0	1991.2	1999.0	1977.5	1999.0	1991.2	1997.0	2010.8	1999.0	2006.8	2014.6
5°	1752.3	1742.5	1711.2	1685.7	1711.2	1742.5	1752.3	1793.4	1813.0	1848.3	1895.3
7.5°	1566.3	1558.5	1550.7	1535.0	1550.7	1558.5	1566.3	1578.0	1597.6	1629.0	1664.2
10°	1525.2	1527.2	1538.9	1536.9	1538.9	1527.2	1525.2	1521.3	1515.4	1521.3	1542.9
12.5°	1630.9	1648.6	1713.2	1709.2	1713.2	1648.6	1630.9	1552.6	1499.8	1490.0	1493.9
15°	1752.3	1758.1	1771.9	1773.9	1771.9	1758.1	1752.3	1721.0	1562.4	1493.9	1472.3
17.5°	1764.1	1766.0	1775.8	1775.8	1775.8	1766.0	1764.1	1750.3	1697.5	1605.5	1484.1
20°	1754.3	1758.1	1777.8	1781.7	1777.8	1758.1	1754.3	1736.6	1707.3	1674.0	1582.0
22.5°	1750.3	1758.1	1773.9	1771.9	1773.9	1758.1	1750.3	1723.0	1697.5	1674.0	1636.8
25°	1730.8	1730.8	1732.8	1734.7	1732.8	1730.8	1730.8	1709.2	1658.4	1652.4	1630.9
27.5°	1689.7	1693.5	1705.3	1703.4	1705.3	1693.5	1689.7	1681.9	1627.0	1621.1	1605.5
30°	1652.4	1648.6	1638.8	1630.9	1638.8	1648.6	1652.4	1640.7	1585.9	1570.2	1574.2
32.5°	1589.8	1580.0	1570.2	1564.4	1570.2	1580.0	1589.8	1585.9	1544.7	1523.2	1527.2
35°	1515.4	1517.4	1515.4	1509.6	1515.4	1517.4	1515.4	1519.3	1493.9	1474.3	1472.3
37.5°	1462.5	1466.5	1464.5	1456.7	1464.5	1466.5	1462.5	1458.6	1423.4	1417.5	1421.4
40°	1407.7	1409.7	1407.7	1401.9	1407.7	1409.7	1407.7	1399.9	1351.0	1352.9	1366.6
42.5°	1354.8	1352.9	1347.0	1343.1	1347.0	1352.9	1354.8	1343.1	1280.4	1274.6	1300.0
45°	1294.2	1296.2	1284.4	1278.5	1284.4	1296.2	1294.2	1286.4	1221.8	1206.1	1223.6
47.5°	1233.5	1233.5	1223.6	1217.8	1223.6	1233.5	1233.5	1223.6	1155.2	1139.5	1149.2
50°	1168.9	1166.9	1153.2	1151.2	1153.2	1166.9	1168.9	1163.0	1090.6	1076.8	1076.8
52.5°	1094.5	1094.5	1096.4	1100.3	1096.4	1094.5	1094.5	1096.4	1031.8	1018.1	1014.2
55°	1029.9	1031.8	1045.5	1049.5	1045.5	1031.8	1029.9	1029.9	971.1	957.4	949.6
57.5°	963.3	963.3	973.1	973.1	973.1	963.3	963.3	959.3	902.6	890.9	886.9
60°	886.9	890.9	898.7	896.7	898.7	890.9	886.9	883.0	834.1	826.3	812.5
62.5°	806.6	810.6	812.5	808.6	812.5	810.6	806.6	794.9	765.5	759.7	742.1
65°	722.4	726.4	728.4	724.4	728.4	726.4	722.4	716.6	695.1	685.3	669.6
67.5°	636.3	634.4	632.4	640.2	632.4	634.4	636.3	628.5	614.7	606.9	585.4
70°	548.2	548.2	546.3	550.1	546.3	548.2	548.2	542.3	534.5	528.7	509.0
72.5°	454.2	452.3	460.1	454.2	460.1	452.3	454.2	452.3	448.4	442.5	422.9
75°	362.2	366.2	362.2	368.1	362.2	366.2	362.2	364.2	362.2	358.2	344.6
77.5°	276.0	280.0	276.0	276.0	276.0	280.0	276.0	278.0	278.0	278.0	266.3
80°	195.8	193.8	193.8	191.9	193.8	193.8	195.8	195.8	197.7	193.8	189.9
82.5°	125.3	123.3	123.3	127.3	123.3	123.3	125.3	127.3	123.3	123.3	123.3
85°	68.6	70.4	66.6	66.6	66.6	70.4	68.6	64.6	68.6	68.6	66.6
87.5°	25.5	23.5	23.5	23.5	23.5	23.5	25.5	27.4	27.4	27.4	29.3
90°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	23.3	31.0	34.9	29.9
92.5°	87.2	83.8	69.9	56.0	69.9	83.8	87.2	123.7	172.3	196.6	172.6
95°	296.3	285.8	243.7	201.7	243.7	285.8	296.3	389.1	512.9	574.7	485.4
97.5°	684.1	664.0	584.0	504.0	584.0	664.0	684.1	742.8	820.9	860.1	711.1
100°	960.6	936.8	841.4	746.0	841.4	936.8	960.6	956.4	950.7	947.8	782.5
102.5°	1196.8	1176.3	1094.7	1013.0	1094.7	1176.3	1196.8	1122.1	1022.4	972.6	804.9
105°	1472.4	1461.4	1417.5	1373.6	1417.5	1461.4	1472.4	1304.9	1081.5	969.8	807.5
107.5°	1615.8	1618.4	1629.0	1639.6	1629.0	1618.4	1615.8	1382.1	1070.5	914.7	771.5
110°	1652.5	1664.0	1709.6	1755.4	1709.6	1664.0	1652.5	1391.3	1042.9	868.7	739.7



TEST NUMBER: P934819

CATALOG NUMBER: SQ4-FA-075U-100D-840-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1629.0	1646.6	1716.8	1787.1	1716.8	1646.6	1629.0	1361.7	1005.2	827.0	711.9
115°	1549.6	1573.9	1671.3	1768.7	1671.3	1573.9	1549.6	1292.0	948.6	776.9	679.9
117.5°	1439.8	1466.8	1574.8	1682.8	1574.8	1466.8	1439.8	1207.3	897.4	742.4	660.0
120°	1365.8	1392.1	1497.0	1601.9	1497.0	1392.1	1365.8	1153.4	870.2	728.6	653.3
122.5°	1291.8	1317.7	1421.2	1524.8	1421.2	1317.7	1291.8	1100.5	845.5	718.1	649.8
125°	1194.0	1217.8	1313.2	1408.6	1313.2	1217.8	1194.0	1031.6	814.9	706.6	646.8
127.5°	1115.5	1135.6	1216.0	1296.5	1216.0	1135.6	1115.5	975.9	789.9	696.9	645.2
130°	1065.9	1084.4	1158.7	1233.0	1158.7	1084.4	1065.9	941.7	776.1	693.3	646.3
132.5°	1023.6	1040.2	1106.8	1173.3	1106.8	1040.2	1023.6	912.4	764.1	690.0	646.8
135°	963.8	978.1	1035.5	1092.9	1035.5	978.1	963.8	870.7	746.5	684.5	646.3
137.5°	919.7	931.5	978.4	1025.4	978.4	931.5	919.7	841.0	736.1	683.6	650.2
140°	884.4	895.3	939.3	983.2	939.3	895.3	884.4	816.4	725.7	680.3	650.9
142.5°	859.6	869.0	906.8	944.5	906.8	869.0	859.6	799.8	720.2	680.3	653.2
145°	822.3	829.4	858.1	886.6	858.1	829.4	822.3	773.5	708.4	675.8	653.3
147.5°	791.1	797.0	820.6	844.3	820.6	797.0	791.1	752.7	701.4	675.8	657.7
150°	773.2	778.0	797.2	816.4	797.2	778.0	773.2	740.7	697.4	675.8	660.1
152.5°	759.0	762.6	777.1	791.6	777.1	762.6	759.0	731.2	694.3	675.8	661.6
155°	742.0	744.4	753.9	763.5	753.9	744.4	742.0	720.0	690.5	675.8	664.9
157.5°	727.3	728.9	735.7	742.4	735.7	728.9	727.3	710.1	687.3	675.8	668.4
160°	719.9	720.8	724.7	728.6	724.7	720.8	719.9	705.1	685.6	675.8	669.9
162.5°	713.0	713.9	717.6	721.2	717.6	713.9	713.0	700.6	684.1	675.8	671.5
165°	702.5	703.5	707.3	711.2	707.3	703.5	702.5	693.6	681.7	675.8	673.8
167.5°	697.8	698.2	699.9	701.5	699.9	698.2	697.8	692.0	684.2	680.3	678.8
170°	697.8	697.8	697.8	697.8	697.8	697.8	697.8	692.0	684.2	680.3	680.2
172.5°	694.2	693.8	692.4	690.9	692.4	693.8	694.2	689.5	683.4	680.3	680.3
175°	689.1	689.1	689.1	689.1	689.1	689.1	689.1	686.2	682.3	680.3	681.2
177.5°	688.2	687.8	686.2	684.5	686.2	687.8	688.2	686.0	682.9	681.3	682.0
180°	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5



TEST NUMBER: P934819

CATALOG NUMBER: SQ4-FA-075U-100D-840-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2069.5	2069.5	2069.5	2069.5	2069.5
2.5°	2044.1	2053.9	2059.7	2067.5	2087.2
5°	1965.7	2003.0	2014.6	2044.1	2079.2
7.5°	1793.4	1906.9	1938.4	2008.8	2063.6
10°	1627.0	1740.6	1795.4	1961.8	2044.1
12.5°	1542.9	1609.4	1646.6	1879.6	2016.6
15°	1490.0	1536.9	1564.4	1769.9	1985.3
17.5°	1448.8	1482.1	1501.7	1662.2	1942.2
20°	1423.4	1439.0	1456.7	1584.0	1893.3
22.5°	1405.7	1395.9	1409.7	1529.1	1826.7
25°	1394.1	1356.8	1372.5	1486.1	1748.4
27.5°	1403.8	1321.5	1327.5	1446.9	1666.2
30°	1405.7	1278.5	1280.4	1405.7	1574.2
32.5°	1392.1	1233.5	1235.4	1354.8	1470.3
35°	1358.8	1180.6	1178.7	1296.2	1329.5
37.5°	1313.7	1123.8	1123.8	1231.5	1174.7
40°	1258.9	1067.0	1073.0	1147.4	1037.7
42.5°	1192.3	1006.4	1014.2	1035.7	935.8
45°	1119.9	947.6	953.5	875.2	857.6
47.5°	1039.7	886.9	888.9	726.4	832.1
50°	943.7	824.3	816.5	622.6	830.1
52.5°	859.6	755.7	732.2	563.9	753.7
55°	777.3	683.3	632.4	518.8	699.0
57.5°	704.8	589.3	540.3	465.9	687.3
60°	638.2	497.3	460.1	409.2	630.4
62.5°	583.4	428.8	421.0	370.0	571.7
65°	524.7	381.8	379.8	336.7	485.6
67.5°	467.9	350.4	348.5	305.4	370.0
70°	407.3	317.1	313.3	272.2	274.1
72.5°	344.6	280.0	276.0	244.7	227.1
75°	282.0	236.9	234.9	213.4	184.1
77.5°	221.2	187.9	191.9	172.3	135.1
80°	158.6	137.0	141.0	123.3	101.8
82.5°	105.7	90.1	94.0	78.3	68.6
85°	58.8	50.9	52.9	41.1	31.3
87.5°	27.4	23.5	23.5	15.7	9.8
90°	20.2	12.8	12.0	8.2	4.5
92.5°	124.6	88.6	80.8	49.6	18.4
95°	306.7	172.7	158.4	101.3	44.1
97.5°	413.2	189.7	177.0	126.7	76.3
100°	451.9	204.0	192.6	146.8	101.1
102.5°	469.7	218.2	207.6	164.9	122.2
105°	482.8	239.4	230.4	194.2	158.1
107.5°	485.3	270.6	262.2	228.5	194.8
110°	481.6	288.0	280.4	250.1	219.6



TEST NUMBER: P934819

CATALOG NUMBER: SQ4-FA-075U-100D-840-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	481.7	309.1	301.9	272.9	243.9
115°	486.2	340.9	334.1	307.5	280.7
117.5°	495.3	371.7	365.6	341.3	317.0
120°	502.6	389.6	383.8	361.0	338.1
122.5°	513.2	410.7	405.0	381.9	358.8
125°	527.4	437.8	432.5	411.5	390.5
127.5°	541.6	464.0	458.6	437.5	416.2
130°	552.1	481.5	475.7	452.9	430.0
132.5°	560.5	495.7	489.9	467.1	444.2
135°	569.7	512.3	507.0	486.2	465.3
137.5°	583.4	533.3	528.2	507.5	487.0
140°	591.9	547.6	542.9	523.8	504.9
142.5°	598.9	558.2	553.9	536.3	518.7
145°	608.1	574.2	570.4	555.2	539.8
147.5°	621.6	594.5	590.7	575.8	560.9
150°	628.7	605.1	601.7	588.2	574.7
152.5°	633.2	612.0	609.4	599.2	588.9
155°	643.3	627.1	625.2	617.6	610.1
157.5°	653.5	642.3	640.4	633.1	625.7
160°	658.0	649.1	647.7	642.0	636.3
162.5°	662.9	656.5	655.4	651.2	646.8
165°	670.0	667.1	666.1	662.3	658.3
167.5°	675.5	673.0	672.5	670.8	668.9
170°	680.0	679.9	679.4	677.7	675.8
172.5°	680.3	680.3	680.2	679.8	679.4
175°	683.1	684.5	684.5	684.5	684.5
177.5°	683.4	684.5	684.5	684.5	684.5
180°	684.5	684.5	684.5	684.5	684.5



TEST NUMBER: P934819
 CATALOG NUMBER: SQ4-FA-075U-100D-840-1D-UNV-STD-W-6

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	14.09	14.99	15.00	15.93	17.13	16.91	17.82	17.83	18.75	19.95
	3H	14.57	15.38	15.50	16.32	17.55	18.26	19.07	19.19	20.02	21.24
	4H	14.76	15.53	15.70	16.48	17.71	18.71	19.47	19.65	20.42	21.66
	6H	14.88	15.59	15.84	16.54	17.79	18.99	19.70	19.94	20.65	21.90
	8H	14.89	15.56	15.85	16.53	17.78	19.07	19.74	20.03	20.71	21.96
	12H	14.86	15.50	15.82	16.46	17.74	19.11	19.75	20.07	20.71	21.98
4H	2H	15.13	15.89	16.07	16.84	18.08	17.33	18.10	18.28	19.04	20.28
	3H	16.16	16.80	17.11	17.77	19.02	18.84	19.48	19.79	20.45	21.70
	4H	16.43	17.02	17.40	17.99	19.26	19.36	19.95	20.33	20.92	22.20
	6H	16.56	17.07	17.54	18.06	19.33	19.73	20.23	20.71	21.23	22.50
	8H	16.57	17.04	17.55	18.03	19.32	19.84	20.31	20.82	21.30	22.58
	12H	16.54	16.96	17.54	17.97	19.26	19.90	20.32	20.90	21.33	22.62
8H	4H	16.89	17.36	17.87	18.35	19.64	19.49	19.96	20.47	20.95	22.24
	6H	17.15	17.54	18.16	18.57	19.86	19.93	20.32	20.94	21.35	22.64
	8H	17.20	17.54	18.21	18.56	19.86	20.08	20.42	21.10	21.44	22.75
	12H	17.18	17.49	18.20	18.50	19.85	20.18	20.48	21.20	21.50	22.84
12H	4H	16.90	17.32	17.90	18.33	19.62	19.46	19.88	20.46	20.89	22.18
	6H	17.22	17.56	18.23	18.58	19.88	19.93	20.27	20.94	21.29	22.59
	8H	17.28	17.59	18.30	18.60	19.95	20.09	20.39	21.11	21.40	22.75