

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: P934889

Luminaire Tested: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-6-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934889
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-B2750-1D-UNV-STD-W-6-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

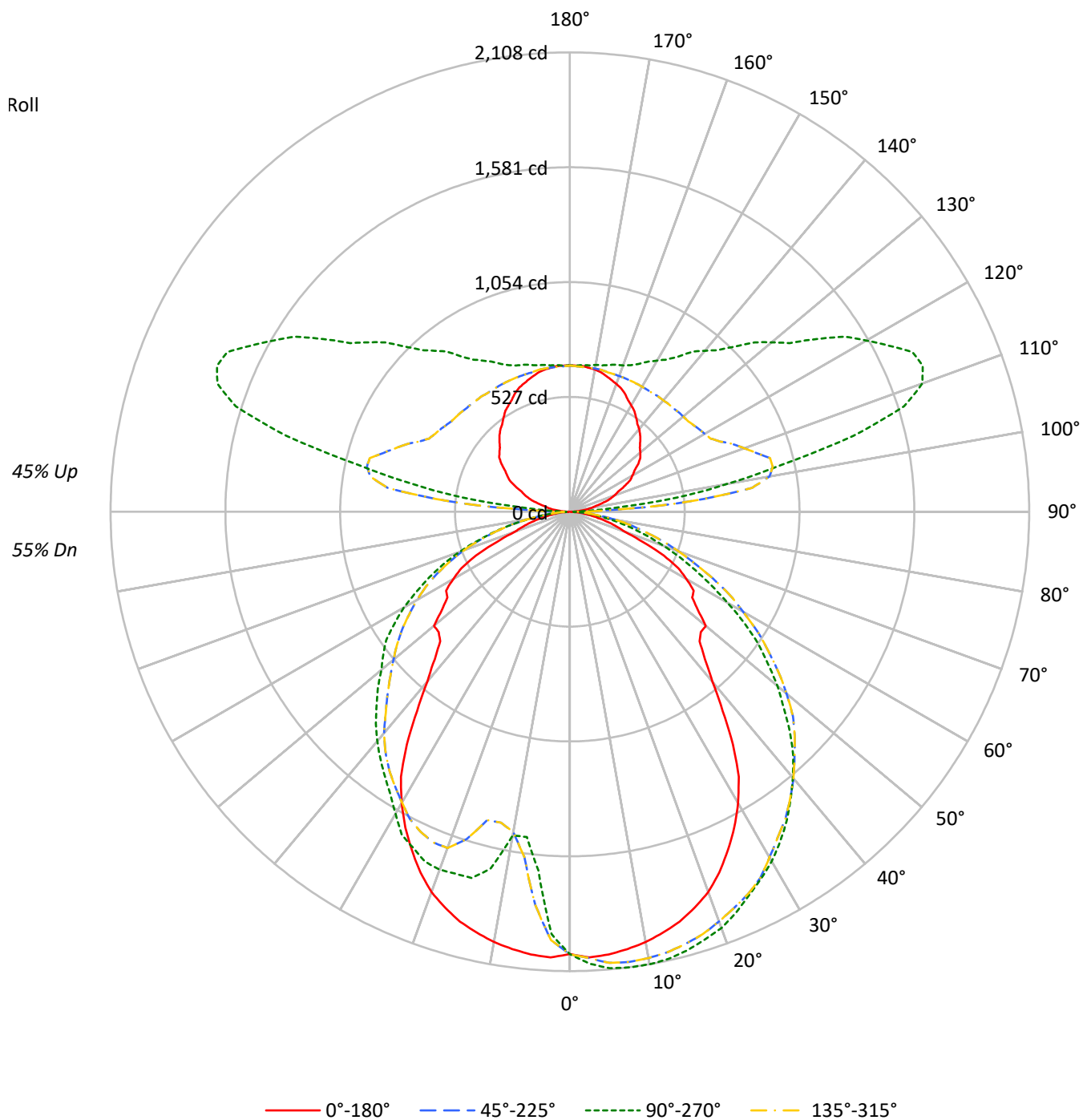
Lumens per Lamp: N/A
Luminaire Lumens: 9617.3 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

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

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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12556	12556	12556	12556
5°	12645	12674	12645	9966
10°	12556	12485	12556	8926
15°	12415	12214	12415	10199
20°	12151	11894	12151	10221
25°	11614	11427	11614	10005
30°	10923	11039	10923	9528
35°	9733	10548	9733	9006
40°	8105	9970	8105	8611
45°	7238	9294	7238	8157
50°	7683	8487	7683	7701
55°	7222	7618	7222	7438
60°	7435	6470	7435	6813
65°	6731	5349	6731	5979
70°	4649	4262	4649	5011
75°	4062	3151	4062	3773
80°	3248	2084	3248	2268
85°	1830	1103	1830	938

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 11100 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.2	1.9
10°-20°	520.2	5.4
20°-30°	804.1	8.4
30°-40°	960.0	10.0
40°-50°	965.6	10.0
50°-60°	840.2	8.7
60°-70°	595.7	6.2
70°-80°	315.2	3.3
80°-90°	81.0	0.8
90°-100°	327.2	3.4
100°-110°	860.4	8.9
110°-120°	892.1	9.3
120°-130°	715.6	7.4
130°-140°	561.5	5.8
140°-150°	431.0	4.5
150°-160°	310.4	3.2
160°-170°	189.9	2.0
170°-180°	64.2	0.7
0°-30°	1507.5	15.7
0°-40°	2467.5	25.7
0°-60°	4273.3	44.4
0°-90°	5265.2	54.7
90°-120°	2079.7	21.6
90°-150°	3787.7	39.4
90°-180°	4352.0	45.3
0°-180°	9617.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2030	2030	2030	2030	2030	
5°	2039	2103	2039	1653	2039	193
15°	1947	2083	1947	1740	1947	548
25°	1715	1943	1715	1701	1715	787
35°	1304	1734	1304	1480	1304	807
45°	841	1429	841	1254	841	674
55°	686	1054	686	1029	686	630
65°	476	636	476	710	476	455
75°	180	302	180	361	180	190
85°	31	77	31	65	31	41
90°	4	17	4	17	4	5
95°	43	198	43	198	43	48
105°	155	1347	155	1347	155	164
115°	275	1735	275	1735	275	272
125°	383	1382	383	1382	383	340
135°	456	1072	456	1072	456	353
145°	530	870	530	870	530	332
155°	598	749	598	749	598	275
165°	646	698	646	698	646	182
175°	671	676	671	676	671	64
180°	671	671	671	671	671	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7
2.5°	2047.0	2047.0	2058.5	2062.3	2062.3	2056.6	2050.8	2056.6	2073.9	2079.7	2077.7
5°	2039.3	2054.7	2075.8	2079.7	2083.4	2081.5	2077.7	2081.5	2100.7	2104.6	2106.5
7.5°	2024.0	2052.7	2079.7	2085.4	2091.1	2085.4	2083.4	2087.3	2106.5	2110.4	2110.4
10°	2004.8	2045.1	2075.8	2079.7	2085.4	2079.7	2079.7	2087.3	2106.5	2110.4	2112.2
12.5°	1977.8	2033.5	2062.3	2066.2	2073.9	2071.9	2070.0	2077.7	2096.9	2100.7	2100.7
15°	1947.1	2012.4	2039.3	2043.1	2056.6	2052.7	2052.7	2060.4	2081.5	2087.3	2085.4
17.5°	1904.9	1985.5	2016.3	2022.0	2031.6	2029.7	2031.6	2039.3	2058.5	2062.3	2064.3
20°	1856.9	1949.0	1985.5	1991.3	2000.9	2000.9	2000.9	2010.5	2029.7	2037.4	2037.4
22.5°	1791.6	1910.7	1949.0	1952.9	1964.5	1964.5	1968.2	1981.7	1999.0	2000.9	2000.9
25°	1714.7	1868.4	1901.1	1912.5	1924.0	1929.9	1935.6	1943.3	1949.0	1947.1	1949.0
27.5°	1634.1	1814.6	1856.9	1864.5	1880.0	1885.7	1893.3	1895.3	1897.2	1902.9	1899.1
30°	1543.9	1739.7	1803.1	1810.8	1835.8	1839.5	1831.9	1835.8	1845.4	1849.2	1853.0
32.5°	1442.1	1628.4	1747.4	1764.7	1787.7	1776.2	1774.3	1780.1	1795.5	1795.5	1799.2
35°	1303.9	1542.0	1695.6	1711.0	1728.2	1714.7	1722.5	1724.3	1733.9	1739.7	1737.8
37.5°	1152.1	1467.1	1641.8	1653.3	1666.8	1649.5	1661.0	1666.8	1674.4	1670.7	1670.7
40°	1017.7	1349.9	1578.4	1586.2	1597.7	1584.2	1595.7	1599.5	1603.4	1599.5	1597.7
42.5°	917.8	1221.2	1511.3	1520.8	1513.2	1522.8	1526.6	1534.3	1528.5	1520.8	1520.8
45°	841.1	1186.7	1438.3	1449.8	1438.3	1453.6	1459.4	1459.4	1442.1	1438.3	1436.3
47.5°	816.1	1117.5	1365.3	1365.3	1359.5	1378.7	1388.3	1374.9	1357.6	1351.9	1351.9
50°	814.2	1040.8	1265.4	1257.8	1284.6	1307.7	1298.1	1284.6	1271.2	1250.1	1250.1
52.5°	739.3	946.7	1136.7	1165.6	1207.9	1221.2	1205.9	1192.5	1169.4	1159.8	1152.1
55°	685.6	848.7	1019.7	1077.2	1121.4	1138.7	1109.9	1096.4	1061.9	1056.1	1052.3
57.5°	674.0	706.7	912.1	985.1	1038.9	1036.9	1019.7	994.7	965.9	960.1	958.2
60°	618.3	510.8	796.9	883.3	939.0	933.2	917.8	894.9	867.9	864.2	860.3
62.5°	560.7	370.6	666.3	764.3	843.0	841.1	827.6	793.0	773.8	764.3	756.6
65°	476.3	311.0	474.3	635.6	748.9	752.7	723.9	698.9	677.8	666.3	664.4
67.5°	362.9	253.5	320.6	529.9	658.6	654.9	618.3	606.8	579.9	574.1	562.6
70°	268.8	169.0	222.8	430.1	570.4	560.7	531.9	518.5	493.5	480.0	472.4
72.5°	222.8	136.3	163.2	334.1	480.0	468.5	443.6	428.2	407.1	395.5	387.9
75°	180.5	144.0	124.8	247.7	389.8	382.2	359.1	343.7	326.5	311.0	313.0
77.5°	132.5	134.4	99.8	182.5	309.1	297.7	284.2	265.0	257.3	242.0	242.0
80°	99.8	105.6	74.9	124.8	222.8	222.8	211.2	197.8	184.3	176.6	176.6
82.5°	67.2	67.2	55.7	78.7	151.7	145.9	138.3	134.4	126.7	122.9	122.9
85°	30.7	38.4	34.6	48.0	82.6	86.4	86.4	82.6	80.6	76.8	78.7
87.5°	9.6	17.2	21.1	26.8	42.2	44.2	46.1	46.1	46.1	48.0	48.0
90°	4.5	8.0	11.7	12.6	19.8	29.4	34.2	30.4	22.9	17.2	17.2
92.5°	18.0	48.6	79.3	86.9	122.2	169.3	192.8	169.0	121.3	85.6	82.2
95°	43.2	99.3	155.3	169.4	300.8	476.1	563.7	503.0	381.6	290.6	280.3
97.5°	74.8	124.2	173.6	186.0	405.2	697.4	843.5	805.1	728.5	670.9	651.3
100°	99.1	144.0	188.9	200.1	443.2	767.4	929.6	932.4	938.0	942.2	918.8
102.5°	119.9	161.7	203.6	214.1	460.7	789.4	953.9	1002.7	1100.5	1173.7	1153.7
105°	155.0	190.5	226.0	234.8	473.6	792.0	951.2	1060.7	1279.8	1444.1	1433.3
107.5°	191.1	224.1	257.2	265.4	476.0	756.7	897.1	1049.9	1355.5	1584.7	1587.3
110°	215.4	245.3	275.0	282.5	472.3	725.5	852.0	1022.9	1364.5	1620.7	1632.0

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	239.2	267.6	296.1	303.2	472.5	698.2	811.1	985.9	1335.5	1597.7	1614.9
115°	275.3	301.6	327.7	334.3	476.8	666.9	761.9	930.3	1267.2	1519.8	1543.6
117.5°	310.9	334.7	358.5	364.5	485.8	647.3	728.1	880.1	1184.1	1412.1	1438.6
120°	331.6	354.1	376.5	382.1	492.9	640.7	714.6	853.5	1131.2	1339.5	1365.3
122.5°	351.9	374.5	397.2	402.8	503.3	637.3	704.3	829.3	1079.4	1267.0	1292.4
125°	382.9	403.6	424.2	429.4	517.3	634.4	693.0	799.2	1011.7	1171.0	1194.4
127.5°	408.2	429.1	449.8	455.0	531.2	632.8	683.5	774.7	957.2	1094.0	1113.8
130°	421.7	444.2	466.6	472.2	541.5	633.8	679.9	761.1	923.6	1045.4	1063.6
132.5°	435.7	458.1	480.5	486.1	549.7	634.4	676.7	749.4	894.9	1003.9	1020.2
135°	456.4	476.8	497.3	502.4	558.7	633.8	671.3	732.2	854.0	945.3	959.3
137.5°	477.6	497.8	518.0	523.1	572.2	637.7	670.5	721.9	824.8	902.0	913.6
140°	495.2	513.8	532.5	537.1	580.5	638.4	667.3	711.7	800.7	867.4	878.1
142.5°	508.7	526.0	543.2	547.5	587.4	640.6	667.3	706.3	784.4	843.0	852.3
145°	529.5	544.5	559.4	563.2	596.4	640.7	662.8	694.8	758.6	806.5	813.5
147.5°	550.1	564.7	579.4	583.0	609.6	645.1	662.8	687.9	738.2	775.9	781.7
150°	563.7	576.8	590.1	593.4	616.6	647.4	662.8	684.0	726.5	758.3	763.1
152.5°	577.6	587.7	597.7	600.2	621.0	648.8	662.8	680.9	717.2	744.4	748.0
155°	598.4	605.7	613.2	615.0	630.9	652.1	662.8	677.2	706.1	727.7	730.0
157.5°	613.7	620.9	628.1	629.9	640.9	655.5	662.8	674.0	696.4	713.3	714.9
160°	624.0	629.7	635.3	636.6	645.4	657.0	662.8	672.4	691.6	706.0	707.0
162.5°	634.4	638.7	642.8	643.9	650.2	658.6	662.8	670.9	687.1	699.3	700.2
165°	645.6	649.5	653.3	654.3	657.1	660.9	662.8	668.6	680.2	689.0	689.9
167.5°	656.0	657.9	659.6	660.1	662.5	665.7	667.3	671.0	678.7	684.4	684.8
170°	662.8	664.6	666.4	666.9	667.0	667.2	667.3	671.0	678.7	684.4	684.4
172.5°	666.4	666.8	667.2	667.3	667.3	667.3	667.3	670.3	676.3	680.8	680.4
175°	671.3	671.3	671.3	671.3	670.0	668.1	667.3	669.2	673.0	675.9	675.9
177.5°	671.3	671.3	671.3	671.3	670.3	668.9	668.2	669.8	672.8	675.0	674.6
180°	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7
2.5°	2081.5	2075.8	2081.5	2077.7	2079.7	2073.9	2056.6	2050.8	2056.6	2062.3	2062.3
5°	2106.5	2102.6	2106.5	2106.5	2104.6	2100.7	2081.5	2077.7	2081.5	2083.4	2079.7
7.5°	2114.2	2108.4	2114.2	2110.4	2110.4	2106.5	2087.3	2083.4	2085.4	2091.1	2085.4
10°	2114.2	2108.4	2114.2	2112.2	2110.4	2106.5	2087.3	2079.7	2079.7	2085.4	2079.7
12.5°	2104.6	2100.7	2104.6	2100.7	2100.7	2096.9	2077.7	2070.0	2071.9	2073.9	2066.2
15°	2089.3	2083.4	2089.3	2085.4	2087.3	2081.5	2060.4	2052.7	2052.7	2056.6	2043.1
17.5°	2066.2	2058.5	2066.2	2064.3	2062.3	2058.5	2039.3	2031.6	2029.7	2031.6	2022.0
20°	2039.3	2033.5	2039.3	2037.4	2037.4	2029.7	2010.5	2000.9	2000.9	2000.9	1991.3
22.5°	1997.0	1991.3	1997.0	2000.9	2000.9	1999.0	1981.7	1968.2	1964.5	1964.5	1952.9
25°	1949.0	1943.3	1949.0	1949.0	1947.1	1949.0	1943.3	1935.6	1929.9	1924.0	1912.5
27.5°	1902.9	1899.1	1902.9	1899.1	1902.9	1897.2	1895.3	1893.3	1885.7	1880.0	1864.5
30°	1856.9	1853.0	1856.9	1853.0	1849.2	1845.4	1835.8	1831.9	1839.5	1835.8	1810.8
32.5°	1799.2	1795.5	1799.2	1799.2	1795.5	1795.5	1780.1	1774.3	1776.2	1787.7	1764.7
35°	1739.7	1733.9	1739.7	1737.8	1739.7	1733.9	1724.3	1722.5	1714.7	1728.2	1711.0
37.5°	1670.7	1664.8	1670.7	1670.7	1670.7	1674.4	1666.8	1661.0	1649.5	1666.8	1653.3
40°	1599.5	1591.9	1599.5	1597.7	1599.5	1603.4	1599.5	1595.7	1584.2	1597.7	1586.2
42.5°	1518.9	1517.0	1518.9	1520.8	1520.8	1528.5	1534.3	1526.6	1522.8	1513.2	1520.8
45°	1432.5	1428.7	1432.5	1436.3	1438.3	1442.1	1459.4	1459.4	1453.6	1438.3	1449.8
47.5°	1340.3	1330.7	1340.3	1351.9	1351.9	1357.6	1374.9	1388.3	1378.7	1359.5	1365.3
50°	1242.4	1244.3	1242.4	1250.1	1250.1	1271.2	1284.6	1298.1	1307.7	1284.6	1257.8
52.5°	1146.4	1144.5	1146.4	1152.1	1159.8	1169.4	1192.5	1205.9	1221.2	1207.9	1165.6
55°	1050.4	1054.2	1050.4	1052.3	1056.1	1061.9	1096.4	1109.9	1138.7	1121.4	1077.2
57.5°	954.4	948.6	954.4	958.2	960.1	965.9	994.7	1019.7	1036.9	1038.9	985.1
60°	843.0	835.3	843.0	860.3	864.2	867.9	894.9	917.8	933.2	939.0	883.3
62.5°	745.1	731.6	745.1	756.6	764.3	773.8	793.0	827.6	841.1	843.0	764.3
65°	641.4	635.6	641.4	664.4	666.3	677.8	698.9	723.9	752.7	748.9	635.6
67.5°	547.3	547.3	547.3	562.6	574.1	579.9	606.8	618.3	654.9	658.6	529.9
70°	460.9	458.9	460.9	472.4	480.0	493.5	518.5	531.9	560.7	570.4	430.1
72.5°	378.3	376.4	378.3	387.9	395.5	407.1	428.2	443.6	468.5	480.0	334.1
75°	305.3	301.5	305.3	313.0	311.0	326.5	343.7	359.1	382.2	389.8	247.7
77.5°	234.3	234.3	234.3	242.0	242.0	257.3	265.0	284.2	297.7	309.1	182.5
80°	174.7	172.9	174.7	176.6	176.6	184.3	197.8	211.2	222.8	222.8	124.8
82.5°	122.9	119.1	122.9	122.9	122.9	126.7	134.4	138.3	145.9	151.7	78.7
85°	76.8	76.8	76.8	78.7	76.8	80.6	82.6	86.4	86.4	82.6	48.0
87.5°	49.9	48.0	49.9	48.0	48.0	46.1	46.1	46.1	44.2	42.2	26.8
90°	17.2	17.2	17.2	17.2	17.2	22.9	30.4	34.2	29.4	19.8	12.6
92.5°	68.5	54.9	68.5	82.2	85.6	121.3	169.0	192.8	169.3	122.2	86.9
95°	239.1	197.8	239.1	280.3	290.6	381.6	503.0	563.7	476.1	300.8	169.4
97.5°	572.8	494.3	572.8	651.3	670.9	728.5	805.1	843.5	697.4	405.2	186.0
100°	825.2	731.7	825.2	918.8	942.2	938.0	932.4	929.6	767.4	443.2	200.1
102.5°	1073.7	993.5	1073.7	1153.7	1173.7	1100.5	1002.7	953.9	789.4	460.7	214.1
105°	1390.2	1347.2	1390.2	1433.3	1444.1	1279.8	1060.7	951.2	792.0	473.6	234.8
107.5°	1597.7	1608.1	1597.7	1587.3	1584.7	1355.5	1049.9	897.1	756.7	476.0	265.4
110°	1676.8	1721.6	1676.8	1632.0	1620.7	1364.5	1022.9	852.0	725.5	472.3	282.5

TEST NUMBER: P934889

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1683.8	1752.7	1683.8	1614.9	1597.7	1335.5	985.9	811.1	698.2	472.5	303.2
115°	1639.2	1734.7	1639.2	1543.6	1519.8	1267.2	930.3	761.9	666.9	476.8	334.3
117.5°	1544.5	1650.4	1544.5	1438.6	1412.1	1184.1	880.1	728.1	647.3	485.8	364.5
120°	1468.2	1571.1	1468.2	1365.3	1339.5	1131.2	853.5	714.6	640.7	492.9	382.1
122.5°	1393.9	1495.5	1393.9	1292.4	1267.0	1079.4	829.3	704.3	637.3	503.3	402.8
125°	1288.0	1381.5	1288.0	1194.4	1171.0	1011.7	799.2	693.0	634.4	517.3	429.4
127.5°	1192.6	1271.5	1192.6	1113.8	1094.0	957.2	774.7	683.5	632.8	531.2	455.0
130°	1136.4	1209.3	1136.4	1063.6	1045.4	923.6	761.1	679.9	633.8	541.5	472.2
132.5°	1085.5	1150.8	1085.5	1020.2	1003.9	894.9	749.4	676.7	634.4	549.7	486.1
135°	1015.6	1071.9	1015.6	959.3	945.3	854.0	732.2	671.3	633.8	558.7	502.4
137.5°	959.6	1005.7	959.6	913.6	902.0	824.8	721.9	670.5	637.7	572.2	523.1
140°	921.2	964.3	921.2	878.1	867.4	800.7	711.7	667.3	638.4	580.5	537.1
142.5°	889.3	926.4	889.3	852.3	843.0	784.4	706.3	667.3	640.6	587.4	547.5
145°	841.6	869.6	841.6	813.5	806.5	758.6	694.8	662.8	640.7	596.4	563.2
147.5°	804.9	828.1	804.9	781.7	775.9	738.2	687.9	662.8	645.1	609.6	583.0
150°	781.9	800.7	781.9	763.1	758.3	726.5	684.0	662.8	647.4	616.6	593.4
152.5°	762.1	776.4	762.1	748.0	744.4	717.2	680.9	662.8	648.8	621.0	600.2
155°	739.4	748.8	739.4	730.0	727.7	706.1	677.2	662.8	652.1	630.9	615.0
157.5°	721.5	728.1	721.5	714.9	713.3	696.4	674.0	662.8	655.5	640.9	629.9
160°	710.8	714.6	710.8	707.0	706.0	691.6	672.4	662.8	657.0	645.4	636.6
162.5°	703.8	707.4	703.8	700.2	699.3	687.1	670.9	662.8	658.6	650.2	643.9
165°	693.7	697.5	693.7	689.9	689.0	680.2	668.6	662.8	660.9	657.1	654.3
167.5°	686.4	688.0	686.4	684.8	684.4	678.7	671.0	667.3	665.7	662.5	660.1
170°	684.4	684.4	684.4	684.4	684.4	678.7	671.0	667.3	667.2	667.0	666.9
172.5°	679.1	677.6	679.1	680.4	680.8	676.3	670.3	667.3	667.3	667.3	667.3
175°	675.9	675.9	675.9	675.9	675.9	673.0	669.2	667.3	668.1	670.0	671.3
177.5°	673.0	671.3	673.0	674.6	675.0	672.8	669.8	668.2	668.9	670.3	671.3
180°	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3

TEST NUMBER: P934889

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7
2.5°	2058.5	2047.0	2047.0	2027.7	2020.1	2014.4	2004.8	1975.9	1968.2	1960.6	1972.1
5°	2075.8	2054.7	2039.3	2004.8	1975.9	1964.5	1927.9	1858.8	1812.7	1778.1	1758.9
7.5°	2079.7	2052.7	2024.0	1970.2	1901.1	1870.3	1758.9	1632.2	1597.7	1566.9	1547.7
10°	2075.8	2045.1	2004.8	1924.0	1760.9	1707.1	1595.7	1513.2	1492.1	1486.3	1492.1
12.5°	2062.3	2033.5	1977.8	1843.4	1614.9	1578.4	1513.2	1465.1	1461.3	1470.9	1522.8
15°	2039.3	2012.4	1947.1	1735.9	1534.3	1507.4	1461.3	1444.0	1465.1	1532.4	1687.9
17.5°	2016.3	1985.5	1904.9	1630.2	1472.8	1453.6	1420.9	1455.5	1574.6	1664.8	1716.7
20°	1985.5	1949.0	1856.9	1553.5	1428.7	1411.3	1396.0	1551.6	1641.8	1674.4	1703.2
22.5°	1949.0	1910.7	1791.6	1499.7	1382.6	1369.1	1378.7	1605.3	1641.8	1664.8	1689.8
25°	1901.1	1868.4	1714.7	1457.5	1346.1	1330.7	1367.3	1599.5	1620.7	1626.5	1676.4
27.5°	1856.9	1814.6	1634.1	1419.1	1301.9	1296.1	1376.9	1574.6	1589.9	1595.7	1649.5
30°	1803.1	1739.7	1543.9	1378.7	1255.8	1253.9	1378.7	1543.9	1540.0	1555.4	1609.1
32.5°	1747.4	1628.4	1442.1	1328.8	1211.6	1209.8	1365.3	1497.8	1493.9	1515.0	1555.4
35°	1695.6	1542.0	1303.9	1271.2	1156.0	1157.9	1332.7	1444.0	1445.9	1465.1	1490.1
37.5°	1641.8	1467.1	1152.1	1207.9	1102.2	1102.2	1288.5	1394.1	1390.2	1396.0	1430.5
40°	1578.4	1349.9	1017.7	1125.3	1052.3	1046.5	1234.7	1340.3	1326.9	1325.0	1373.0
42.5°	1511.3	1221.2	917.8	1015.8	994.7	987.0	1169.4	1275.0	1250.1	1255.8	1317.3
45°	1438.3	1186.7	841.1	858.3	935.2	929.4	1098.4	1200.1	1182.9	1198.3	1261.6
47.5°	1365.3	1117.5	816.1	712.4	871.8	869.9	1019.7	1127.1	1117.5	1133.0	1200.1
50°	1265.4	1040.8	814.2	610.7	800.8	808.4	925.6	1056.1	1056.1	1069.6	1140.6
52.5°	1136.7	946.7	739.3	553.0	718.1	741.2	843.0	994.7	998.6	1011.9	1075.3
55°	1019.7	848.7	685.6	508.8	620.3	670.2	762.3	931.3	939.0	952.4	1010.1
57.5°	912.1	706.7	674.0	457.0	529.9	578.0	691.3	869.9	873.7	885.3	940.9
60°	796.9	510.8	618.3	401.4	451.3	487.7	626.0	796.9	810.4	818.0	866.0
62.5°	666.3	370.6	560.7	362.9	412.9	420.5	572.2	727.8	745.1	750.8	779.7
65°	474.3	311.0	476.3	330.2	372.5	374.4	514.6	656.7	672.1	681.7	702.8
67.5°	320.6	253.5	362.9	299.5	341.8	343.7	458.9	574.1	595.3	602.9	616.4
70°	222.8	169.0	268.8	267.0	307.3	311.0	399.4	499.2	518.5	524.2	531.9
72.5°	163.2	136.3	222.8	240.0	270.7	274.6	338.0	414.7	434.0	439.7	443.6
75°	124.8	144.0	180.5	209.3	230.4	232.4	276.6	338.0	351.4	355.2	357.2
77.5°	99.8	134.4	132.5	169.0	188.2	184.3	217.0	261.1	272.7	272.7	272.7
80°	74.9	105.6	99.8	120.9	138.3	134.4	155.5	186.2	190.1	193.9	192.1
82.5°	55.7	67.2	67.2	76.8	92.2	88.4	103.7	120.9	120.9	120.9	124.8
85°	34.6	38.4	30.7	40.3	51.8	49.9	57.7	65.3	67.2	67.2	63.4
87.5°	21.1	17.2	9.6	15.4	23.1	23.1	26.8	28.8	26.8	26.8	26.8
90°	11.7	8.0	4.5	8.0	11.7	12.6	19.8	29.4	34.2	30.4	22.9
92.5°	79.3	48.6	18.0	48.6	79.3	86.9	122.2	169.3	192.8	169.0	121.3
95°	155.3	99.3	43.2	99.3	155.3	169.4	300.8	476.1	563.7	503.0	381.6
97.5°	173.6	124.2	74.8	124.2	173.6	186.0	405.2	697.4	843.5	805.1	728.5
100°	188.9	144.0	99.1	144.0	188.9	200.1	443.2	767.4	929.6	932.4	938.0
102.5°	203.6	161.7	119.9	161.7	203.6	214.1	460.7	789.4	953.9	1002.7	1100.5
105°	226.0	190.5	155.0	190.5	226.0	234.8	473.6	792.0	951.2	1060.7	1279.8
107.5°	257.2	224.1	191.1	224.1	257.2	265.4	476.0	756.7	897.1	1049.9	1355.5
110°	275.0	245.3	215.4	245.3	275.0	282.5	472.3	725.5	852.0	1022.9	1364.5

TEST NUMBER: P934889

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	296.1	267.6	239.2	267.6	296.1	303.2	472.5	698.2	811.1	985.9	1335.5
115°	327.7	301.6	275.3	301.6	327.7	334.3	476.8	666.9	761.9	930.3	1267.2
117.5°	358.5	334.7	310.9	334.7	358.5	364.5	485.8	647.3	728.1	880.1	1184.1
120°	376.5	354.1	331.6	354.1	376.5	382.1	492.9	640.7	714.6	853.5	1131.2
122.5°	397.2	374.5	351.9	374.5	397.2	402.8	503.3	637.3	704.3	829.3	1079.4
125°	424.2	403.6	382.9	403.6	424.2	429.4	517.3	634.4	693.0	799.2	1011.7
127.5°	449.8	429.1	408.2	429.1	449.8	455.0	531.2	632.8	683.5	774.7	957.2
130°	466.6	444.2	421.7	444.2	466.6	472.2	541.5	633.8	679.9	761.1	923.6
132.5°	480.5	458.1	435.7	458.1	480.5	486.1	549.7	634.4	676.7	749.4	894.9
135°	497.3	476.8	456.4	476.8	497.3	502.4	558.7	633.8	671.3	732.2	854.0
137.5°	518.0	497.8	477.6	497.8	518.0	523.1	572.2	637.7	670.5	721.9	824.8
140°	532.5	513.8	495.2	513.8	532.5	537.1	580.5	638.4	667.3	711.7	800.7
142.5°	543.2	526.0	508.7	526.0	543.2	547.5	587.4	640.6	667.3	706.3	784.4
145°	559.4	544.5	529.5	544.5	559.4	563.2	596.4	640.7	662.8	694.8	758.6
147.5°	579.4	564.7	550.1	564.7	579.4	583.0	609.6	645.1	662.8	687.9	738.2
150°	590.1	576.8	563.7	576.8	590.1	593.4	616.6	647.4	662.8	684.0	726.5
152.5°	597.7	587.7	577.6	587.7	597.7	600.2	621.0	648.8	662.8	680.9	717.2
155°	613.2	605.7	598.4	605.7	613.2	615.0	630.9	652.1	662.8	677.2	706.1
157.5°	628.1	620.9	613.7	620.9	628.1	629.9	640.9	655.5	662.8	674.0	696.4
160°	635.3	629.7	624.0	629.7	635.3	636.6	645.4	657.0	662.8	672.4	691.6
162.5°	642.8	638.7	634.4	638.7	642.8	643.9	650.2	658.6	662.8	670.9	687.1
165°	653.3	649.5	645.6	649.5	653.3	654.3	657.1	660.9	662.8	668.6	680.2
167.5°	659.6	657.9	656.0	657.9	659.6	660.1	662.5	665.7	667.3	671.0	678.7
170°	666.4	664.6	662.8	664.6	666.4	666.9	667.0	667.2	667.3	671.0	678.7
172.5°	667.2	666.8	666.4	666.8	667.2	667.3	667.3	667.3	667.3	670.3	676.3
175°	671.3	671.3	671.3	671.3	671.3	671.3	670.0	668.1	667.3	669.2	673.0
177.5°	671.3	671.3	671.3	671.3	671.3	671.3	670.3	668.9	668.2	669.8	672.8
180°	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3

TEST NUMBER: P934889

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7	2029.7
2.5°	1958.6	1952.9	1960.6	1939.5	1960.6	1952.9	1958.6	1972.1	1960.6	1968.2	1975.9
5°	1718.6	1709.0	1678.3	1653.3	1678.3	1709.0	1718.6	1758.9	1778.1	1812.7	1858.8
7.5°	1536.2	1528.5	1520.8	1505.4	1520.8	1528.5	1536.2	1547.7	1566.9	1597.7	1632.2
10°	1495.8	1497.8	1509.3	1507.4	1509.3	1497.8	1495.8	1492.1	1486.3	1492.1	1513.2
12.5°	1599.5	1616.9	1680.2	1676.4	1680.2	1616.9	1599.5	1522.8	1470.9	1461.3	1465.1
15°	1718.6	1724.3	1737.8	1739.7	1737.8	1724.3	1718.6	1687.9	1532.4	1465.1	1444.0
17.5°	1730.1	1732.1	1741.7	1741.7	1741.7	1732.1	1730.1	1716.7	1664.8	1574.6	1455.5
20°	1720.6	1724.3	1743.6	1747.4	1743.6	1724.3	1720.6	1703.2	1674.4	1641.8	1551.6
22.5°	1716.7	1724.3	1739.7	1737.8	1739.7	1724.3	1716.7	1689.8	1664.8	1641.8	1605.3
25°	1697.5	1697.5	1699.4	1701.4	1699.4	1697.5	1697.5	1676.4	1626.5	1620.7	1599.5
27.5°	1657.2	1661.0	1672.5	1670.7	1672.5	1661.0	1657.2	1649.5	1595.7	1589.9	1574.6
30°	1620.7	1616.9	1607.3	1599.5	1607.3	1616.9	1620.7	1609.1	1555.4	1540.0	1543.9
32.5°	1559.2	1549.6	1540.0	1534.3	1540.0	1549.6	1559.2	1555.4	1515.0	1493.9	1497.8
35°	1486.3	1488.2	1486.3	1480.5	1486.3	1488.2	1486.3	1490.1	1465.1	1445.9	1444.0
37.5°	1434.4	1438.3	1436.3	1428.7	1436.3	1438.3	1434.4	1430.5	1396.0	1390.2	1394.1
40°	1380.6	1382.6	1380.6	1374.9	1380.6	1382.6	1380.6	1373.0	1325.0	1326.9	1340.3
42.5°	1328.8	1326.9	1321.1	1317.3	1321.1	1326.9	1328.8	1317.3	1255.8	1250.1	1275.0
45°	1269.3	1271.2	1259.7	1253.9	1259.7	1271.2	1269.3	1261.6	1198.3	1182.9	1200.1
47.5°	1209.8	1209.8	1200.1	1194.4	1200.1	1209.8	1209.8	1200.1	1133.0	1117.5	1127.1
50°	1146.4	1144.5	1131.0	1129.1	1131.0	1144.5	1146.4	1140.6	1069.6	1056.1	1056.1
52.5°	1073.5	1073.5	1075.3	1079.2	1075.3	1073.5	1073.5	1075.3	1011.9	998.6	994.7
55°	1010.1	1011.9	1025.4	1029.3	1025.4	1011.9	1010.1	1010.1	952.4	939.0	931.3
57.5°	944.8	944.8	954.4	954.4	954.4	944.8	944.8	940.9	885.3	873.7	869.9
60°	869.9	873.7	881.4	879.5	881.4	873.7	869.9	866.0	818.0	810.4	796.9
62.5°	791.1	795.0	796.9	793.0	796.9	795.0	791.1	779.7	750.8	745.1	727.8
65°	708.5	712.4	714.3	710.5	714.3	712.4	708.5	702.8	681.7	672.1	656.7
67.5°	624.0	622.2	620.3	627.9	620.3	622.2	624.0	616.4	602.9	595.3	574.1
70°	537.7	537.7	535.8	539.5	535.8	537.7	537.7	531.9	524.2	518.5	499.2
72.5°	445.4	443.6	451.3	445.4	451.3	443.6	445.4	443.6	439.7	434.0	414.7
75°	355.2	359.1	355.2	361.0	355.2	359.1	355.2	357.2	355.2	351.4	338.0
77.5°	270.7	274.6	270.7	270.7	270.7	274.6	270.7	272.7	272.7	272.7	261.1
80°	192.1	190.1	190.1	188.2	190.1	190.1	192.1	192.1	193.9	190.1	186.2
82.5°	122.9	120.9	120.9	124.8	120.9	120.9	122.9	124.8	120.9	120.9	120.9
85°	67.2	69.1	65.3	65.3	65.3	69.1	67.2	63.4	67.2	67.2	65.3
87.5°	25.0	23.1	23.1	23.1	23.1	23.1	25.0	26.8	26.8	26.8	28.8
90°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	22.9	30.4	34.2	29.4
92.5°	85.6	82.2	68.5	54.9	68.5	82.2	85.6	121.3	169.0	192.8	169.3
95°	290.6	280.3	239.1	197.8	239.1	280.3	290.6	381.6	503.0	563.7	476.1
97.5°	670.9	651.3	572.8	494.3	572.8	651.3	670.9	728.5	805.1	843.5	697.4
100°	942.2	918.8	825.2	731.7	825.2	918.8	942.2	938.0	932.4	929.6	767.4
102.5°	1173.7	1153.7	1073.7	993.5	1073.7	1153.7	1173.7	1100.5	1002.7	953.9	789.4
105°	1444.1	1433.3	1390.2	1347.2	1390.2	1433.3	1444.1	1279.8	1060.7	951.2	792.0
107.5°	1584.7	1587.3	1597.7	1608.1	1597.7	1587.3	1584.7	1355.5	1049.9	897.1	756.7
110°	1620.7	1632.0	1676.8	1721.6	1676.8	1632.0	1620.7	1364.5	1022.9	852.0	725.5

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1597.7	1614.9	1683.8	1752.7	1683.8	1614.9	1597.7	1335.5	985.9	811.1	698.2
115°	1519.8	1543.6	1639.2	1734.7	1639.2	1543.6	1519.8	1267.2	930.3	761.9	666.9
117.5°	1412.1	1438.6	1544.5	1650.4	1544.5	1438.6	1412.1	1184.1	880.1	728.1	647.3
120°	1339.5	1365.3	1468.2	1571.1	1468.2	1365.3	1339.5	1131.2	853.5	714.6	640.7
122.5°	1267.0	1292.4	1393.9	1495.5	1393.9	1292.4	1267.0	1079.4	829.3	704.3	637.3
125°	1171.0	1194.4	1288.0	1381.5	1288.0	1194.4	1171.0	1011.7	799.2	693.0	634.4
127.5°	1094.0	1113.8	1192.6	1271.5	1192.6	1113.8	1094.0	957.2	774.7	683.5	632.8
130°	1045.4	1063.6	1136.4	1209.3	1136.4	1063.6	1045.4	923.6	761.1	679.9	633.8
132.5°	1003.9	1020.2	1085.5	1150.8	1085.5	1020.2	1003.9	894.9	749.4	676.7	634.4
135°	945.3	959.3	1015.6	1071.9	1015.6	959.3	945.3	854.0	732.2	671.3	633.8
137.5°	902.0	913.6	959.6	1005.7	959.6	913.6	902.0	824.8	721.9	670.5	637.7
140°	867.4	878.1	921.2	964.3	921.2	878.1	867.4	800.7	711.7	667.3	638.4
142.5°	843.0	852.3	889.3	926.4	889.3	852.3	843.0	784.4	706.3	667.3	640.6
145°	806.5	813.5	841.6	869.6	841.6	813.5	806.5	758.6	694.8	662.8	640.7
147.5°	775.9	781.7	804.9	828.1	804.9	781.7	775.9	738.2	687.9	662.8	645.1
150°	758.3	763.1	781.9	800.7	781.9	763.1	758.3	726.5	684.0	662.8	647.4
152.5°	744.4	748.0	762.1	776.4	762.1	748.0	744.4	717.2	680.9	662.8	648.8
155°	727.7	730.0	739.4	748.8	739.4	730.0	727.7	706.1	677.2	662.8	652.1
157.5°	713.3	714.9	721.5	728.1	721.5	714.9	713.3	696.4	674.0	662.8	655.5
160°	706.0	707.0	710.8	714.6	710.8	707.0	706.0	691.6	672.4	662.8	657.0
162.5°	699.3	700.2	703.8	707.4	703.8	700.2	699.3	687.1	670.9	662.8	658.6
165°	689.0	689.9	693.7	697.5	693.7	689.9	689.0	680.2	668.6	662.8	660.9
167.5°	684.4	684.8	686.4	688.0	686.4	684.8	684.4	678.7	671.0	667.3	665.7
170°	684.4	684.4	684.4	684.4	684.4	684.4	684.4	678.7	671.0	667.3	667.2
172.5°	680.8	680.4	679.1	677.6	679.1	680.4	680.8	676.3	670.3	667.3	667.3
175°	675.9	675.9	675.9	675.9	675.9	675.9	675.9	673.0	669.2	667.3	668.1
177.5°	675.0	674.6	673.0	671.3	673.0	674.6	675.0	672.8	669.8	668.2	668.9
180°	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2029.7	2029.7	2029.7	2029.7	2029.7
2.5°	2004.8	2014.4	2020.1	2027.7	2047.0
5°	1927.9	1964.5	1975.9	2004.8	2039.3
7.5°	1758.9	1870.3	1901.1	1970.2	2024.0
10°	1595.7	1707.1	1760.9	1924.0	2004.8
12.5°	1513.2	1578.4	1614.9	1843.4	1977.8
15°	1461.3	1507.4	1534.3	1735.9	1947.1
17.5°	1420.9	1453.6	1472.8	1630.2	1904.9
20°	1396.0	1411.3	1428.7	1553.5	1856.9
22.5°	1378.7	1369.1	1382.6	1499.7	1791.6
25°	1367.3	1330.7	1346.1	1457.5	1714.7
27.5°	1376.9	1296.1	1301.9	1419.1	1634.1
30°	1378.7	1253.9	1255.8	1378.7	1543.9
32.5°	1365.3	1209.8	1211.6	1328.8	1442.1
35°	1332.7	1157.9	1156.0	1271.2	1303.9
37.5°	1288.5	1102.2	1102.2	1207.9	1152.1
40°	1234.7	1046.5	1052.3	1125.3	1017.7
42.5°	1169.4	987.0	994.7	1015.8	917.8
45°	1098.4	929.4	935.2	858.3	841.1
47.5°	1019.7	869.9	871.8	712.4	816.1
50°	925.6	808.4	800.8	610.7	814.2
52.5°	843.0	741.2	718.1	553.0	739.3
55°	762.3	670.2	620.3	508.8	685.6
57.5°	691.3	578.0	529.9	457.0	674.0
60°	626.0	487.7	451.3	401.4	618.3
62.5°	572.2	420.5	412.9	362.9	560.7
65°	514.6	374.4	372.5	330.2	476.3
67.5°	458.9	343.7	341.8	299.5	362.9
70°	399.4	311.0	307.3	267.0	268.8
72.5°	338.0	274.6	270.7	240.0	222.8
75°	276.6	232.4	230.4	209.3	180.5
77.5°	217.0	184.3	188.2	169.0	132.5
80°	155.5	134.4	138.3	120.9	99.8
82.5°	103.7	88.4	92.2	76.8	67.2
85°	57.7	49.9	51.8	40.3	30.7
87.5°	26.8	23.1	23.1	15.4	9.6
90°	19.8	12.6	11.7	8.0	4.5
92.5°	122.2	86.9	79.3	48.6	18.0
95°	300.8	169.4	155.3	99.3	43.2
97.5°	405.2	186.0	173.6	124.2	74.8
100°	443.2	200.1	188.9	144.0	99.1
102.5°	460.7	214.1	203.6	161.7	119.9
105°	473.6	234.8	226.0	190.5	155.0
107.5°	476.0	265.4	257.2	224.1	191.1
110°	472.3	282.5	275.0	245.3	215.4

TEST NUMBER: P934889

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	472.5	303.2	296.1	267.6	239.2
115°	476.8	334.3	327.7	301.6	275.3
117.5°	485.8	364.5	358.5	334.7	310.9
120°	492.9	382.1	376.5	354.1	331.6
122.5°	503.3	402.8	397.2	374.5	351.9
125°	517.3	429.4	424.2	403.6	382.9
127.5°	531.2	455.0	449.8	429.1	408.2
130°	541.5	472.2	466.6	444.2	421.7
132.5°	549.7	486.1	480.5	458.1	435.7
135°	558.7	502.4	497.3	476.8	456.4
137.5°	572.2	523.1	518.0	497.8	477.6
140°	580.5	537.1	532.5	513.8	495.2
142.5°	587.4	547.5	543.2	526.0	508.7
145°	596.4	563.2	559.4	544.5	529.5
147.5°	609.6	583.0	579.4	564.7	550.1
150°	616.6	593.4	590.1	576.8	563.7
152.5°	621.0	600.2	597.7	587.7	577.6
155°	630.9	615.0	613.2	605.7	598.4
157.5°	640.9	629.9	628.1	620.9	613.7
160°	645.4	636.6	635.3	629.7	624.0
162.5°	650.2	643.9	642.8	638.7	634.4
165°	657.1	654.3	653.3	649.5	645.6
167.5°	662.5	660.1	659.6	657.9	656.0
170°	667.0	666.9	666.4	664.6	662.8
172.5°	667.3	667.3	667.2	666.8	666.4
175°	670.0	671.3	671.3	671.3	671.3
177.5°	670.3	671.3	671.3	671.3	671.3
180°	671.3	671.3	671.3	671.3	671.3



TEST NUMBER: P934889

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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	14.02	14.93	14.94	15.86	17.06	16.85	17.75	17.76	18.69	19.89
	3H	14.50	15.31	15.43	16.26	17.48	18.19	19.00	19.12	19.95	21.17
	4H	14.69	15.46	15.64	16.41	17.65	18.64	19.41	19.58	20.35	21.59
	6H	14.82	15.52	15.77	16.48	17.73	18.92	19.63	19.88	20.59	21.83
	8H	14.82	15.49	15.78	16.46	17.71	19.00	19.67	19.96	20.64	21.89
	12H	14.79	15.43	15.76	16.40	17.67	19.04	19.68	20.00	20.64	21.91
4H	2H	15.06	15.83	16.01	16.77	18.01	17.26	18.03	18.21	18.98	20.21
	3H	16.09	16.73	17.05	17.71	18.96	18.77	19.41	19.73	20.39	21.64
	4H	16.37	16.95	17.33	17.92	19.20	19.30	19.88	20.26	20.85	22.13
	6H	16.49	17.00	17.47	17.99	19.27	19.66	20.17	20.64	21.16	22.44
	8H	16.50	16.97	17.48	17.96	19.25	19.77	20.24	20.75	21.23	22.52
	12H	16.47	16.89	17.47	17.90	19.19	19.83	20.25	20.83	21.26	22.55
8H	4H	16.82	17.29	17.81	18.28	19.57	19.43	19.90	20.41	20.89	22.17
	6H	17.09	17.48	18.09	18.51	19.79	19.86	20.25	20.87	21.28	22.57
	8H	17.13	17.47	18.15	18.49	19.80	20.01	20.36	21.03	21.38	22.68
	12H	17.12	17.42	18.13	18.43	19.78	20.11	20.42	21.13	21.43	22.78
12H	4H	16.83	17.26	17.83	18.26	19.55	19.39	19.82	20.39	20.82	22.11
	6H	17.15	17.49	18.16	18.51	19.81	19.86	20.20	20.88	21.22	22.53
	8H	17.22	17.52	18.24	18.53	19.88	20.02	20.32	21.04	21.34	22.69