

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: P934138

Luminaire Tested: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-6-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934138
REPORT IS A COMBINATION OF REPORTS P933687 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-6-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

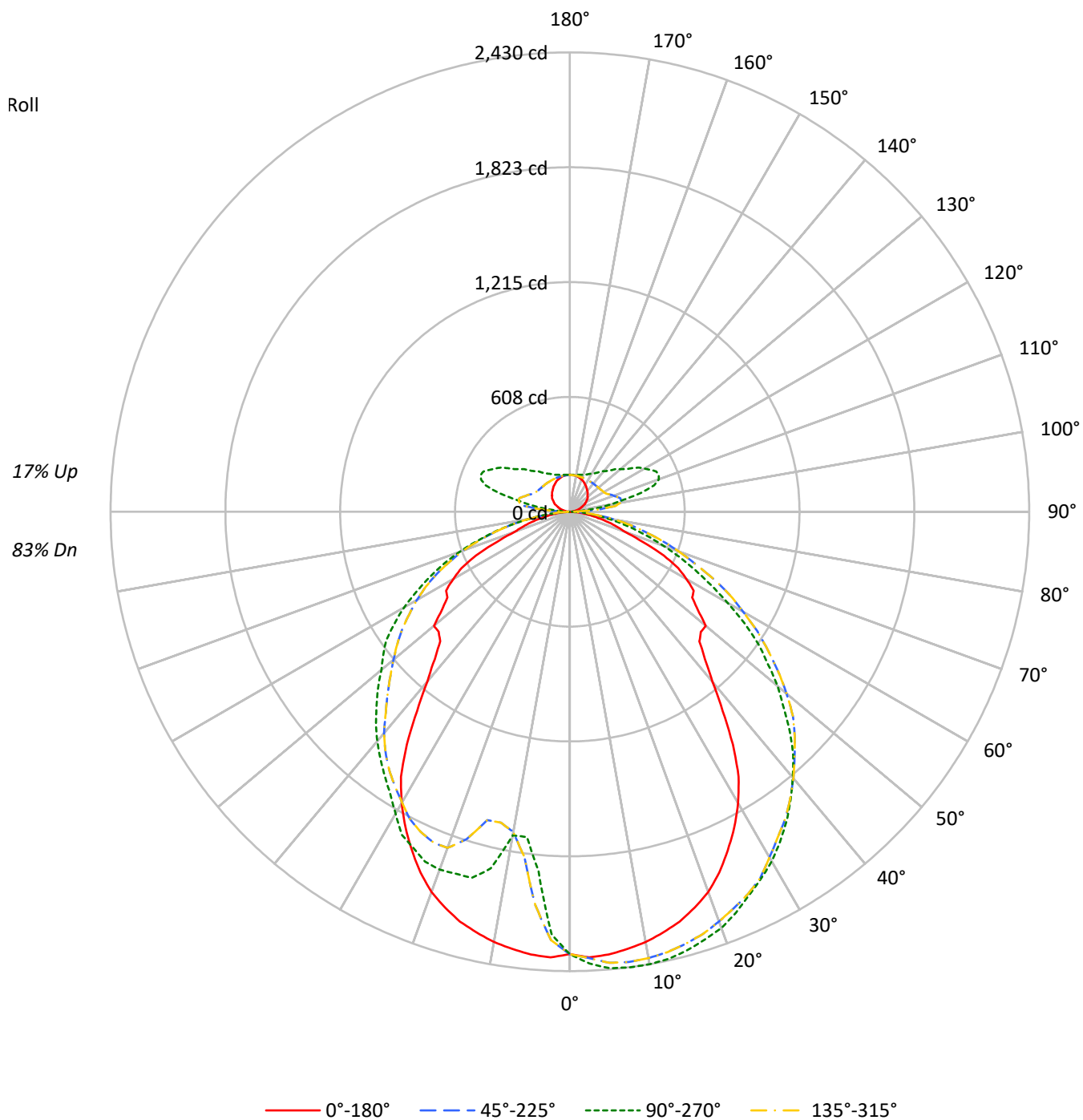
Lumens per Lamp: N/A
Luminaire Lumens: 7332.1 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 74.4
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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86
1	105	101	97	93	101	97	93	90	89	87	84	83	80	78	76	75	73
2	96	88	82	76	92	85	79	74	78	74	70	73	69	66	67	64	62
3	88	78	70	64	84	75	68	62	69	63	59	64	60	56	60	56	52
4	80	69	60	54	77	66	59	53	62	55	50	57	52	48	53	49	45
5	74	61	53	46	70	59	51	45	55	49	43	52	46	41	48	43	39
6	68	55	47	40	65	53	45	40	50	43	38	47	41	36	44	39	35
7	63	50	42	36	60	48	41	35	45	39	34	42	37	32	40	35	31
8	59	46	37	32	56	44	36	31	41	35	30	39	33	29	37	31	28
9	55	42	34	28	52	40	33	28	38	32	27	36	30	26	34	29	25
10	51	38	31	26	49	37	30	25	35	29	24	33	28	24	31	26	23

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14473	14473	14473	14473
5°	14575	14609	14575	11487
10°	14472	14391	14472	10288
15°	14310	14079	14310	11756
20°	14005	13710	14005	11781
25°	13387	13171	13387	11531
30°	12590	12724	12590	10983
35°	11219	12158	11219	10381
40°	9343	11492	9343	9925
45°	8342	10712	8342	9402
50°	8856	9783	8856	8877
55°	8324	8781	8324	8573
60°	8570	7458	8570	7852
65°	7757	6165	7757	6891
70°	5358	4913	5358	5776
75°	4683	3632	4683	4349
80°	3746	2401	3746	2614
85°	2111	1271	2111	1082

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 12793 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.2	2.9
10°-20°	599.6	8.2
20°-30°	926.9	12.6
30°-40°	1106.5	15.1
40°-50°	1113.0	15.2
50°-60°	968.4	13.2
60°-70°	686.6	9.4
70°-80°	363.3	5.0
80°-90°	91.2	1.2
90°-100°	95.1	1.3
100°-110°	250.2	3.4
110°-120°	259.4	3.5
120°-130°	208.1	2.8
130°-140°	163.3	2.2
140°-150°	125.3	1.7
150°-160°	90.2	1.2
160°-170°	55.2	0.8
170°-180°	18.7	0.3
0°-30°	1737.6	23.7
0°-40°	2844.1	38.8
0°-60°	4925.5	67.2
0°-90°	6066.6	82.7
90°-120°	604.7	8.2
90°-150°	1101.3	15.0
90°-180°	1265.0	17.3
0°-180°	7332.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2340	2340	2340	2340	2340	
5°	2351	2424	2351	1906	2351	223
15°	2244	2402	2244	2005	2244	631
25°	1976	2240	1976	1961	1976	908
35°	1503	1999	1503	1706	1503	930
45°	969	1647	969	1445	969	777
55°	790	1215	790	1186	790	726
65°	549	733	549	819	549	525
75°	208	348	208	416	208	219
85°	35	88	35	75	35	48
90°	1	5	1	5	1	3
95°	13	58	13	58	13	14
105°	45	392	45	392	45	48
115°	80	504	80	504	80	79
125°	111	402	111	402	111	99
135°	133	312	133	312	133	103
145°	154	253	154	253	154	96
155°	174	218	174	218	174	80
165°	188	203	188	203	188	53
175°	195	197	195	197	195	19
180°	195	195	195	195	195	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5
2.5°	2359.4	2359.4	2372.7	2377.1	2377.1	2370.5	2363.8	2370.5	2390.4	2397.0	2394.8
5°	2350.6	2368.3	2392.6	2397.0	2401.5	2399.2	2394.8	2399.2	2421.4	2425.8	2428.0
7.5°	2332.9	2366.0	2397.0	2403.7	2410.3	2403.7	2401.5	2405.9	2428.0	2432.5	2432.5
10°	2310.7	2357.2	2392.6	2397.0	2403.7	2397.0	2397.0	2405.9	2428.0	2432.5	2434.6
12.5°	2279.8	2343.9	2377.1	2381.5	2390.4	2388.2	2386.0	2394.8	2416.9	2421.4	2421.4
15°	2244.4	2319.5	2350.6	2355.0	2370.5	2366.0	2366.0	2374.9	2399.2	2405.9	2403.7
17.5°	2195.6	2288.6	2324.0	2330.6	2341.7	2339.5	2341.7	2350.6	2372.7	2377.1	2379.3
20°	2140.3	2246.5	2288.6	2295.2	2306.3	2306.3	2306.3	2317.3	2339.5	2348.3	2348.3
22.5°	2065.1	2202.2	2246.5	2251.0	2264.2	2264.2	2268.7	2284.1	2304.1	2306.3	2306.3
25°	1976.5	2153.6	2191.2	2204.5	2217.8	2224.4	2231.0	2239.9	2246.5	2244.4	2246.5
27.5°	1883.5	2091.6	2140.3	2149.1	2166.8	2173.5	2182.4	2184.5	2186.8	2193.4	2189.0
30°	1779.5	2005.2	2078.3	2087.1	2115.9	2120.4	2111.5	2115.9	2127.0	2131.4	2135.9
32.5°	1662.2	1876.9	2014.1	2034.0	2060.6	2047.4	2045.1	2051.7	2069.4	2069.4	2073.9
35°	1502.9	1777.3	1954.4	1972.1	1992.0	1976.5	1985.4	1987.5	1998.6	2005.2	2003.1
37.5°	1328.0	1691.0	1892.4	1905.7	1921.2	1901.2	1914.6	1921.2	1930.0	1925.6	1925.6
40°	1173.1	1556.0	1819.3	1828.2	1841.5	1826.0	1839.3	1843.7	1848.1	1843.7	1841.5
42.5°	1058.0	1407.6	1741.9	1753.0	1744.1	1755.1	1759.6	1768.5	1761.8	1753.0	1753.0
45°	969.4	1367.9	1657.7	1671.1	1657.7	1675.5	1682.2	1682.2	1662.2	1657.7	1655.6
47.5°	940.7	1288.2	1573.7	1573.7	1567.0	1589.2	1600.3	1584.7	1564.8	1558.2	1558.2
50°	938.5	1199.7	1458.6	1449.8	1480.7	1507.3	1496.2	1480.7	1465.2	1440.9	1440.9
52.5°	852.2	1091.2	1310.3	1343.5	1392.2	1407.6	1389.9	1374.5	1347.9	1336.8	1328.0
55°	790.2	978.2	1175.2	1241.7	1292.6	1312.5	1279.3	1263.8	1224.0	1217.4	1212.9
57.5°	776.9	814.5	1051.3	1135.5	1197.4	1195.2	1175.2	1146.5	1113.3	1106.7	1104.4
60°	712.7	588.7	918.5	1018.1	1082.3	1075.7	1058.0	1031.4	1000.4	996.0	991.6
62.5°	646.3	427.2	768.0	880.9	971.6	969.4	953.9	914.1	892.0	880.9	872.0
65°	548.9	358.6	546.7	732.6	863.2	867.6	834.4	805.7	781.3	768.0	765.8
67.5°	418.3	292.1	369.7	610.9	759.2	754.7	712.7	699.4	668.4	661.8	648.5
70°	309.8	194.8	256.7	495.8	657.3	646.3	613.1	597.6	568.8	553.3	544.5
72.5°	256.7	157.1	188.1	385.1	553.3	540.1	511.3	493.6	469.2	456.0	447.1
75°	208.1	166.0	143.9	285.5	449.3	440.5	413.9	396.2	376.3	358.6	360.8
77.5°	152.7	155.0	115.1	210.2	356.3	343.1	327.5	305.5	296.6	278.9	278.9
80°	115.1	121.7	86.3	143.9	256.7	256.7	243.5	227.9	212.5	203.6	203.6
82.5°	77.4	77.4	64.2	90.8	174.8	168.2	159.3	155.0	146.1	141.6	141.6
85°	35.4	44.3	39.9	55.4	95.1	99.6	99.6	95.1	93.0	88.5	90.8
87.5°	11.1	19.9	24.3	31.0	48.7	50.9	53.1	53.1	53.1	55.4	55.4
90°	1.3	2.4	3.4	3.7	5.8	8.5	9.9	8.8	6.6	5.0	5.0
92.5°	5.2	14.1	23.0	25.3	35.6	49.3	56.1	49.1	35.2	24.9	23.9
95°	12.6	28.9	45.2	49.3	87.5	138.4	163.9	146.2	110.9	84.5	81.5
97.5°	21.7	36.1	50.5	54.1	117.8	202.7	245.2	234.1	211.8	195.1	189.4
100°	28.9	41.9	54.9	58.2	128.9	223.2	270.2	271.0	272.7	273.9	267.1
102.5°	34.9	47.1	59.2	62.3	133.9	229.5	277.3	291.5	319.9	341.3	335.5
105°	45.1	55.4	65.7	68.3	137.7	230.2	276.5	308.4	372.1	419.9	416.7
107.5°	55.5	65.1	74.7	77.2	138.4	220.0	260.8	305.3	394.2	460.8	461.6
110°	62.6	71.3	80.0	82.1	137.3	210.9	247.7	297.5	396.8	471.2	474.5

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	69.6	77.9	86.1	88.2	137.3	203.0	235.8	286.6	388.3	464.5	469.5
115°	80.1	87.7	95.3	97.2	138.7	193.9	221.5	270.5	368.4	441.9	448.8
117.5°	90.4	97.3	104.2	106.0	141.2	188.2	211.7	255.9	344.3	410.6	418.2
120°	96.4	103.0	109.4	111.1	143.4	186.4	207.8	248.2	328.9	389.5	397.0
122.5°	102.3	108.9	115.5	117.1	146.3	185.3	204.8	241.1	313.8	368.4	375.8
125°	111.4	117.4	123.4	124.9	150.4	184.5	201.5	232.4	294.2	340.5	347.3
127.5°	118.7	124.7	130.8	132.3	154.4	184.0	198.7	225.2	278.4	318.1	323.9
130°	122.6	129.1	135.6	137.3	157.4	184.3	197.7	221.3	268.5	303.9	309.2
132.5°	126.7	133.2	139.7	141.4	159.8	184.5	196.8	217.9	260.2	291.9	296.6
135°	132.7	138.7	144.6	146.1	162.5	184.3	195.2	213.0	248.4	274.9	279.0
137.5°	138.9	144.8	150.6	152.1	166.4	185.5	195.0	210.0	239.9	262.3	265.6
140°	144.0	149.4	154.8	156.2	168.8	185.7	194.0	206.9	232.8	252.2	255.3
142.5°	147.9	152.9	157.9	159.1	170.7	186.3	194.0	205.4	228.1	245.1	247.8
145°	153.9	158.3	162.6	163.8	173.4	186.3	192.7	202.0	220.5	234.5	236.5
147.5°	159.9	164.2	168.5	169.5	177.3	187.6	192.7	200.0	214.6	225.6	227.3
150°	163.9	167.7	171.6	172.6	179.3	188.3	192.7	198.9	211.2	220.5	221.8
152.5°	168.0	170.8	173.8	174.5	180.6	188.7	192.7	198.0	208.5	216.4	217.5
155°	174.0	176.2	178.3	178.9	183.5	189.7	192.7	196.9	205.3	211.6	212.3
157.5°	178.4	180.5	182.6	183.1	186.4	190.6	192.7	195.9	202.5	207.4	207.9
160°	181.5	183.1	184.7	185.1	187.7	191.1	192.7	195.5	201.1	205.3	205.5
162.5°	184.4	185.7	186.9	187.2	189.1	191.5	192.7	195.1	199.8	203.4	203.6
165°	187.7	188.8	189.9	190.2	191.1	192.2	192.7	194.4	197.8	200.3	200.6
167.5°	190.7	191.2	191.8	191.9	192.6	193.6	194.0	195.2	197.3	199.0	199.1
170°	192.7	193.2	193.8	193.9	193.9	194.0	194.0	195.2	197.3	199.0	199.0
172.5°	193.8	193.9	194.0	194.0	194.0	194.0	194.0	194.9	196.6	198.0	197.9
175°	195.2	195.2	195.2	195.2	194.8	194.3	194.0	194.6	195.7	196.6	196.6
177.5°	195.2	195.2	195.2	195.2	194.9	194.5	194.3	194.7	195.6	196.3	196.2
180°	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5
2.5°	2399.2	2392.6	2399.2	2394.8	2397.0	2390.4	2370.5	2363.8	2370.5	2377.1	2377.1
5°	2428.0	2423.6	2428.0	2428.0	2425.8	2421.4	2399.2	2394.8	2399.2	2401.5	2397.0
7.5°	2436.9	2430.3	2436.9	2432.5	2432.5	2428.0	2405.9	2401.5	2403.7	2410.3	2403.7
10°	2436.9	2430.3	2436.9	2434.6	2432.5	2428.0	2405.9	2397.0	2397.0	2403.7	2397.0
12.5°	2425.8	2421.4	2425.8	2421.4	2421.4	2416.9	2394.8	2386.0	2388.2	2390.4	2381.5
15°	2408.1	2401.5	2408.1	2403.7	2405.9	2399.2	2374.9	2366.0	2366.0	2370.5	2355.0
17.5°	2381.5	2372.7	2381.5	2379.3	2377.1	2372.7	2350.6	2341.7	2339.5	2341.7	2330.6
20°	2350.6	2343.9	2350.6	2348.3	2348.3	2339.5	2317.3	2306.3	2306.3	2306.3	2295.2
22.5°	2301.8	2295.2	2301.8	2306.3	2306.3	2304.1	2284.1	2268.7	2264.2	2264.2	2251.0
25°	2246.5	2239.9	2246.5	2246.5	2244.4	2246.5	2239.9	2231.0	2224.4	2217.8	2204.5
27.5°	2193.4	2189.0	2193.4	2189.0	2193.4	2186.8	2184.5	2182.4	2173.5	2166.8	2149.1
30°	2140.3	2135.9	2140.3	2135.9	2131.4	2127.0	2115.9	2111.5	2120.4	2115.9	2087.1
32.5°	2073.9	2069.4	2073.9	2073.9	2069.4	2069.4	2051.7	2045.1	2047.4	2060.6	2034.0
35°	2005.2	1998.6	2005.2	2003.1	2005.2	1998.6	1987.5	1985.4	1976.5	1992.0	1972.1
37.5°	1925.6	1918.9	1925.6	1925.6	1925.6	1930.0	1921.2	1914.6	1901.2	1921.2	1905.7
40°	1843.7	1834.8	1843.7	1841.5	1843.7	1848.1	1843.7	1839.3	1826.0	1841.5	1828.2
42.5°	1750.8	1748.5	1750.8	1753.0	1753.0	1761.8	1768.5	1759.6	1755.1	1744.1	1753.0
45°	1651.1	1646.7	1651.1	1655.6	1657.7	1662.2	1682.2	1682.2	1675.5	1657.7	1671.1
47.5°	1544.9	1533.8	1544.9	1558.2	1558.2	1564.8	1584.7	1600.3	1589.2	1567.0	1573.7
50°	1432.1	1434.2	1432.1	1440.9	1440.9	1465.2	1480.7	1496.2	1507.3	1480.7	1449.8
52.5°	1321.4	1319.1	1321.4	1328.0	1336.8	1347.9	1374.5	1389.9	1407.6	1392.2	1343.5
55°	1210.6	1215.1	1210.6	1212.9	1217.4	1224.0	1263.8	1279.3	1312.5	1292.6	1241.7
57.5°	1100.0	1093.4	1100.0	1104.4	1106.7	1113.3	1146.5	1175.2	1195.2	1197.4	1135.5
60°	971.6	962.8	971.6	991.6	996.0	1000.4	1031.4	1058.0	1075.7	1082.3	1018.1
62.5°	858.8	843.3	858.8	872.0	880.9	892.0	914.1	953.9	969.4	971.6	880.9
65°	739.2	732.6	739.2	765.8	768.0	781.3	805.7	834.4	867.6	863.2	732.6
67.5°	630.8	630.8	630.8	648.5	661.8	668.4	699.4	712.7	754.7	759.2	610.9
70°	531.2	529.0	531.2	544.5	553.3	568.8	597.6	613.1	646.3	657.3	495.8
72.5°	436.0	433.8	436.0	447.1	456.0	469.2	493.6	511.3	540.1	553.3	385.1
75°	352.0	347.5	352.0	360.8	358.6	376.3	396.2	413.9	440.5	449.3	285.5
77.5°	270.1	270.1	270.1	278.9	278.9	296.6	305.5	327.5	343.1	356.3	210.2
80°	201.4	199.2	201.4	203.6	203.6	212.5	227.9	243.5	256.7	256.7	143.9
82.5°	141.6	137.3	141.6	141.6	141.6	146.1	155.0	159.3	168.2	174.8	90.8
85°	88.5	88.5	88.5	90.8	88.5	93.0	95.1	99.6	99.6	95.1	55.4
87.5°	57.6	55.4	57.6	55.4	55.4	53.1	53.1	53.1	50.9	48.7	31.0
90°	5.0	5.0	5.0	5.0	5.0	6.6	8.8	9.9	8.5	5.8	3.7
92.5°	19.9	16.0	19.9	23.9	24.9	35.2	49.1	56.1	49.3	35.6	25.3
95°	69.5	57.6	69.5	81.5	84.5	110.9	146.2	163.9	138.4	87.5	49.3
97.5°	166.6	143.7	166.6	189.4	195.1	211.8	234.1	245.2	202.7	117.8	54.1
100°	240.0	212.8	240.0	267.1	273.9	272.7	271.0	270.2	223.2	128.9	58.2
102.5°	312.2	288.9	312.2	335.5	341.3	319.9	291.5	277.3	229.5	133.9	62.3
105°	404.3	391.7	404.3	416.7	419.9	372.1	308.4	276.5	230.2	137.7	68.3
107.5°	464.5	467.6	464.5	461.6	460.8	394.2	305.3	260.8	220.0	138.4	77.2
110°	487.6	500.6	487.6	474.5	471.2	396.8	297.5	247.7	210.9	137.3	82.1

TEST NUMBER: P934138

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	489.6	509.6	489.6	469.5	464.5	388.3	286.6	235.8	203.0	137.3	88.2
115°	476.6	504.4	476.6	448.8	441.9	368.4	270.5	221.5	193.9	138.7	97.2
117.5°	449.1	479.9	449.1	418.2	410.6	344.3	255.9	211.7	188.2	141.2	106.0
120°	426.9	456.9	426.9	397.0	389.5	328.9	248.2	207.8	186.4	143.4	111.1
122.5°	405.3	434.8	405.3	375.8	368.4	313.8	241.1	204.8	185.3	146.3	117.1
125°	374.5	401.7	374.5	347.3	340.5	294.2	232.4	201.5	184.5	150.4	124.9
127.5°	346.8	369.7	346.8	323.9	318.1	278.4	225.2	198.7	184.0	154.4	132.3
130°	330.4	351.6	330.4	309.2	303.9	268.5	221.3	197.7	184.3	157.4	137.3
132.5°	315.6	334.6	315.6	296.6	291.9	260.2	217.9	196.8	184.5	159.8	141.4
135°	295.3	311.7	295.3	279.0	274.9	248.4	213.0	195.2	184.3	162.5	146.1
137.5°	279.1	292.4	279.1	265.6	262.3	239.9	210.0	195.0	185.5	166.4	152.1
140°	267.8	280.4	267.8	255.3	252.2	232.8	206.9	194.0	185.7	168.8	156.2
142.5°	258.6	269.4	258.6	247.8	245.1	228.1	205.4	194.0	186.3	170.7	159.1
145°	244.7	252.9	244.7	236.5	234.5	220.5	202.0	192.7	186.3	173.4	163.8
147.5°	234.1	240.8	234.1	227.3	225.6	214.6	200.0	192.7	187.6	177.3	169.5
150°	227.3	232.8	227.3	221.8	220.5	211.2	198.9	192.7	188.3	179.3	172.6
152.5°	221.6	225.8	221.6	217.5	216.4	208.5	198.0	192.7	188.7	180.6	174.5
155°	215.0	217.7	215.0	212.3	211.6	205.3	196.9	192.7	189.7	183.5	178.9
157.5°	209.8	211.7	209.8	207.9	207.4	202.5	195.9	192.7	190.6	186.4	183.1
160°	206.7	207.8	206.7	205.5	205.3	201.1	195.5	192.7	191.1	187.7	185.1
162.5°	204.7	205.7	204.7	203.6	203.4	199.8	195.1	192.7	191.5	189.1	187.2
165°	201.7	202.8	201.7	200.6	200.3	197.8	194.4	192.7	192.2	191.1	190.2
167.5°	199.6	200.0	199.6	199.1	199.0	197.3	195.2	194.0	193.6	192.6	191.9
170°	199.0	199.0	199.0	199.0	199.0	197.3	195.2	194.0	194.0	193.9	193.9
172.5°	197.4	197.1	197.4	197.9	198.0	196.6	194.9	194.0	194.0	194.0	194.0
175°	196.6	196.6	196.6	196.6	196.6	195.7	194.6	194.0	194.3	194.8	195.2
177.5°	195.7	195.2	195.7	196.2	196.3	195.6	194.7	194.3	194.5	194.9	195.2
180°	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2

TEST NUMBER: P934138

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5
2.5°	2372.7	2359.4	2359.4	2337.3	2328.4	2321.8	2310.7	2277.5	2268.7	2259.8	2273.0
5°	2392.6	2368.3	2350.6	2310.7	2277.5	2264.2	2222.2	2142.5	2089.4	2049.5	2027.4
7.5°	2397.0	2366.0	2332.9	2270.9	2191.2	2155.8	2027.4	1881.3	1841.5	1806.1	1783.9
10°	2392.6	2357.2	2310.7	2217.8	2029.7	1967.7	1839.3	1744.1	1719.7	1713.1	1719.7
12.5°	2377.1	2343.9	2279.8	2124.8	1861.4	1819.3	1744.1	1688.8	1684.3	1695.4	1755.1
15°	2350.6	2319.5	2244.4	2000.9	1768.5	1737.4	1684.3	1664.5	1688.8	1766.2	1945.5
17.5°	2324.0	2288.6	2195.6	1879.1	1697.6	1675.5	1637.9	1677.7	1815.0	1918.9	1978.7
20°	2288.6	2246.5	2140.3	1790.5	1646.7	1626.8	1609.1	1788.4	1892.4	1930.0	1963.2
22.5°	2246.5	2202.2	2065.1	1728.6	1593.6	1578.1	1589.2	1850.4	1892.4	1918.9	1947.7
25°	2191.2	2153.6	1976.5	1679.9	1551.5	1533.8	1575.9	1843.7	1868.1	1874.7	1932.3
27.5°	2140.3	2091.6	1883.5	1635.7	1500.6	1494.0	1586.9	1815.0	1832.7	1839.3	1901.2
30°	2078.3	2005.2	1779.5	1589.2	1447.5	1445.3	1589.2	1779.5	1775.1	1792.8	1854.7
32.5°	2014.1	1876.9	1662.2	1531.6	1396.6	1394.4	1573.7	1726.4	1722.0	1746.3	1792.8
35°	1954.4	1777.3	1502.9	1465.2	1332.4	1334.6	1536.1	1664.5	1666.6	1688.8	1717.6
37.5°	1892.4	1691.0	1328.0	1392.2	1270.5	1270.5	1485.2	1606.9	1602.4	1609.1	1648.9
40°	1819.3	1556.0	1173.1	1297.0	1212.9	1206.3	1423.2	1544.9	1529.4	1527.2	1582.6
42.5°	1741.9	1407.6	1058.0	1170.9	1146.5	1137.7	1347.9	1469.6	1440.9	1447.5	1518.3
45°	1657.7	1367.9	969.4	989.3	1077.9	1071.2	1266.0	1383.3	1363.4	1381.1	1454.1
47.5°	1573.7	1288.2	940.7	821.1	1004.8	1002.7	1175.2	1299.2	1288.2	1305.9	1383.3
50°	1458.6	1199.7	938.5	703.8	923.0	931.8	1066.8	1217.4	1217.4	1232.8	1314.7
52.5°	1310.3	1091.2	852.2	637.5	827.8	854.3	971.6	1146.5	1150.9	1166.4	1239.4
55°	1175.2	978.2	790.2	586.5	714.9	772.4	878.7	1073.5	1082.3	1097.8	1164.2
57.5°	1051.3	814.5	776.9	526.8	610.9	666.2	796.8	1002.7	1007.0	1020.4	1084.5
60°	918.5	588.7	712.7	462.6	520.2	562.2	721.5	918.5	934.0	942.8	998.2
62.5°	768.0	427.2	646.3	418.3	475.9	484.7	659.6	838.8	858.8	865.4	898.6
65°	546.7	358.6	548.9	380.7	429.4	431.6	593.2	756.9	774.6	785.7	810.1
67.5°	369.7	292.1	418.3	345.2	394.0	396.2	529.0	661.8	686.1	695.0	710.4
70°	256.7	194.8	309.8	307.7	354.1	358.6	460.3	575.5	597.6	604.2	613.1
72.5°	188.1	157.1	256.7	276.7	312.1	316.5	389.5	478.0	500.2	506.8	511.3
75°	143.9	166.0	208.1	241.3	265.6	267.8	318.7	389.5	405.1	409.5	411.7
77.5°	115.1	155.0	152.7	194.8	216.9	212.5	250.1	301.0	314.3	314.3	314.3
80°	86.3	121.7	115.1	139.4	159.3	155.0	179.3	214.7	219.1	223.5	221.3
82.5°	64.2	77.4	77.4	88.5	106.2	101.9	119.6	139.4	139.4	139.4	143.9
85°	39.9	44.3	35.4	46.5	59.7	57.6	66.4	75.3	77.4	77.4	73.1
87.5°	24.3	19.9	11.1	17.7	26.6	26.6	31.0	33.2	31.0	31.0	31.0
90°	3.4	2.4	1.3	2.4	3.4	3.7	5.8	8.5	9.9	8.8	6.6
92.5°	23.0	14.1	5.2	14.1	23.0	25.3	35.6	49.3	56.1	49.1	35.2
95°	45.2	28.9	12.6	28.9	45.2	49.3	87.5	138.4	163.9	146.2	110.9
97.5°	50.5	36.1	21.7	36.1	50.5	54.1	117.8	202.7	245.2	234.1	211.8
100°	54.9	41.9	28.9	41.9	54.9	58.2	128.9	223.2	270.2	271.0	272.7
102.5°	59.2	47.1	34.9	47.1	59.2	62.3	133.9	229.5	277.3	291.5	319.9
105°	65.7	55.4	45.1	55.4	65.7	68.3	137.7	230.2	276.5	308.4	372.1
107.5°	74.7	65.1	55.5	65.1	74.7	77.2	138.4	220.0	260.8	305.3	394.2
110°	80.0	71.3	62.6	71.3	80.0	82.1	137.3	210.9	247.7	297.5	396.8

TEST NUMBER: P934138

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	86.1	77.9	69.6	77.9	86.1	88.2	137.3	203.0	235.8	286.6	388.3
115°	95.3	87.7	80.1	87.7	95.3	97.2	138.7	193.9	221.5	270.5	368.4
117.5°	104.2	97.3	90.4	97.3	104.2	106.0	141.2	188.2	211.7	255.9	344.3
120°	109.4	103.0	96.4	103.0	109.4	111.1	143.4	186.4	207.8	248.2	328.9
122.5°	115.5	108.9	102.3	108.9	115.5	117.1	146.3	185.3	204.8	241.1	313.8
125°	123.4	117.4	111.4	117.4	123.4	124.9	150.4	184.5	201.5	232.4	294.2
127.5°	130.8	124.7	118.7	124.7	130.8	132.3	154.4	184.0	198.7	225.2	278.4
130°	135.6	129.1	122.6	129.1	135.6	137.3	157.4	184.3	197.7	221.3	268.5
132.5°	139.7	133.2	126.7	133.2	139.7	141.4	159.8	184.5	196.8	217.9	260.2
135°	144.6	138.7	132.7	138.7	144.6	146.1	162.5	184.3	195.2	213.0	248.4
137.5°	150.6	144.8	138.9	144.8	150.6	152.1	166.4	185.5	195.0	210.0	239.9
140°	154.8	149.4	144.0	149.4	154.8	156.2	168.8	185.7	194.0	206.9	232.8
142.5°	157.9	152.9	147.9	152.9	157.9	159.1	170.7	186.3	194.0	205.4	228.1
145°	162.6	158.3	153.9	158.3	162.6	163.8	173.4	186.3	192.7	202.0	220.5
147.5°	168.5	164.2	159.9	164.2	168.5	169.5	177.3	187.6	192.7	200.0	214.6
150°	171.6	167.7	163.9	167.7	171.6	172.6	179.3	188.3	192.7	198.9	211.2
152.5°	173.8	170.8	168.0	170.8	173.8	174.5	180.6	188.7	192.7	198.0	208.5
155°	178.3	176.2	174.0	176.2	178.3	178.9	183.5	189.7	192.7	196.9	205.3
157.5°	182.6	180.5	178.4	180.5	182.6	183.1	186.4	190.6	192.7	195.9	202.5
160°	184.7	183.1	181.5	183.1	184.7	185.1	187.7	191.1	192.7	195.5	201.1
162.5°	186.9	185.7	184.4	185.7	186.9	187.2	189.1	191.5	192.7	195.1	199.8
165°	189.9	188.8	187.7	188.8	189.9	190.2	191.1	192.2	192.7	194.4	197.8
167.5°	191.8	191.2	190.7	191.2	191.8	191.9	192.6	193.6	194.0	195.2	197.3
170°	193.8	193.2	192.7	193.2	193.8	193.9	193.9	194.0	194.0	195.2	197.3
172.5°	194.0	193.9	193.8	193.9	194.0	194.0	194.0	194.0	194.0	194.9	196.6
175°	195.2	195.2	195.2	195.2	195.2	195.2	194.8	194.3	194.0	194.6	195.7
177.5°	195.2	195.2	195.2	195.2	195.2	195.2	194.9	194.5	194.3	194.7	195.6
180°	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2

TEST NUMBER: P934138

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5	2339.5
2.5°	2257.6	2251.0	2259.8	2235.5	2259.8	2251.0	2257.6	2273.0	2259.8	2268.7	2277.5
5°	1980.9	1969.8	1934.4	1905.7	1934.4	1969.8	1980.9	2027.4	2049.5	2089.4	2142.5
7.5°	1770.7	1761.8	1753.0	1735.3	1753.0	1761.8	1770.7	1783.9	1806.1	1841.5	1881.3
10°	1724.2	1726.4	1739.7	1737.4	1739.7	1726.4	1724.2	1719.7	1713.1	1719.7	1744.1
12.5°	1843.7	1863.6	1936.7	1932.3	1936.7	1863.6	1843.7	1755.1	1695.4	1684.3	1688.8
15°	1980.9	1987.5	2003.1	2005.2	2003.1	1987.5	1980.9	1945.5	1766.2	1688.8	1664.5
17.5°	1994.2	1996.4	2007.5	2007.5	2007.5	1996.4	1994.2	1978.7	1918.9	1815.0	1677.7
20°	1983.2	1987.5	2009.7	2014.1	2009.7	1987.5	1983.2	1963.2	1930.0	1892.4	1788.4
22.5°	1978.7	1987.5	2005.2	2003.1	2005.2	1987.5	1978.7	1947.7	1918.9	1892.4	1850.4
25°	1956.6	1956.6	1958.8	1961.0	1958.8	1956.6	1956.6	1932.3	1874.7	1868.1	1843.7
27.5°	1910.1	1914.6	1927.8	1925.6	1927.8	1914.6	1910.1	1901.2	1839.3	1832.7	1815.0
30°	1868.1	1863.6	1852.5	1843.7	1852.5	1863.6	1868.1	1854.7	1792.8	1775.1	1779.5
32.5°	1797.3	1786.2	1775.1	1768.5	1775.1	1786.2	1797.3	1792.8	1746.3	1722.0	1726.4
35°	1713.1	1715.3	1713.1	1706.5	1713.1	1715.3	1713.1	1717.6	1688.8	1666.6	1664.5
37.5°	1653.4	1657.7	1655.6	1646.7	1655.6	1657.7	1653.4	1648.9	1609.1	1602.4	1606.9
40°	1591.4	1593.6	1591.4	1584.7	1591.4	1593.6	1591.4	1582.6	1527.2	1529.4	1544.9
42.5°	1531.6	1529.4	1522.7	1518.3	1522.7	1529.4	1531.6	1518.3	1447.5	1440.9	1469.6
45°	1463.0	1465.2	1451.9	1445.3	1451.9	1465.2	1463.0	1454.1	1381.1	1363.4	1383.3
47.5°	1394.4	1394.4	1383.3	1376.7	1383.3	1394.4	1394.4	1383.3	1305.9	1288.2	1299.2
50°	1321.4	1319.1	1303.7	1301.4	1303.7	1319.1	1321.4	1314.7	1232.8	1217.4	1217.4
52.5°	1237.2	1237.2	1239.4	1243.9	1239.4	1237.2	1237.2	1239.4	1166.4	1150.9	1146.5
55°	1164.2	1166.4	1182.0	1186.3	1182.0	1166.4	1164.2	1164.2	1097.8	1082.3	1073.5
57.5°	1089.0	1089.0	1100.0	1100.0	1100.0	1089.0	1089.0	1084.5	1020.4	1007.0	1002.7
60°	1002.7	1007.0	1015.9	1013.7	1015.9	1007.0	1002.7	998.2	942.8	934.0	918.5
62.5°	911.9	916.3	918.5	914.1	918.5	916.3	911.9	898.6	865.4	858.8	838.8
65°	816.7	821.1	823.4	818.9	823.4	821.1	816.7	810.1	785.7	774.6	756.9
67.5°	719.3	717.1	714.9	723.8	714.9	717.1	719.3	710.4	695.0	686.1	661.8
70°	619.8	619.8	617.5	621.9	617.5	619.8	619.8	613.1	604.2	597.6	575.5
72.5°	513.5	511.3	520.2	513.5	520.2	511.3	513.5	511.3	506.8	500.2	478.0
75°	409.5	413.9	409.5	416.1	409.5	413.9	409.5	411.7	409.5	405.1	389.5
77.5°	312.1	316.5	312.1	312.1	312.1	316.5	312.1	314.3	314.3	314.3	301.0
80°	221.3	219.1	219.1	216.9	219.1	219.1	221.3	221.3	223.5	219.1	214.7
82.5°	141.6	139.4	139.4	143.9	139.4	139.4	141.6	143.9	139.4	139.4	139.4
85°	77.4	79.7	75.3	75.3	75.3	79.7	77.4	73.1	77.4	77.4	75.3
87.5°	28.8	26.6	26.6	26.6	26.6	26.6	28.8	31.0	31.0	31.0	33.2
90°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.6	8.8	9.9	8.5
92.5°	24.9	23.9	19.9	16.0	19.9	23.9	24.9	35.2	49.1	56.1	49.3
95°	84.5	81.5	69.5	57.6	69.5	81.5	84.5	110.9	146.2	163.9	138.4
97.5°	195.1	189.4	166.6	143.7	166.6	189.4	195.1	211.8	234.1	245.2	202.7
100°	273.9	267.1	240.0	212.8	240.0	267.1	273.9	272.7	271.0	270.2	223.2
102.5°	341.3	335.5	312.2	288.9	312.2	335.5	341.3	319.9	291.5	277.3	229.5
105°	419.9	416.7	404.3	391.7	404.3	416.7	419.9	372.1	308.4	276.5	230.2
107.5°	460.8	461.6	464.5	467.6	464.5	461.6	460.8	394.2	305.3	260.8	220.0
110°	471.2	474.5	487.6	500.6	487.6	474.5	471.2	396.8	297.5	247.7	210.9

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	464.5	469.5	489.6	509.6	489.6	469.5	464.5	388.3	286.6	235.8	203.0
115°	441.9	448.8	476.6	504.4	476.6	448.8	441.9	368.4	270.5	221.5	193.9
117.5°	410.6	418.2	449.1	479.9	449.1	418.2	410.6	344.3	255.9	211.7	188.2
120°	389.5	397.0	426.9	456.9	426.9	397.0	389.5	328.9	248.2	207.8	186.4
122.5°	368.4	375.8	405.3	434.8	405.3	375.8	368.4	313.8	241.1	204.8	185.3
125°	340.5	347.3	374.5	401.7	374.5	347.3	340.5	294.2	232.4	201.5	184.5
127.5°	318.1	323.9	346.8	369.7	346.8	323.9	318.1	278.4	225.2	198.7	184.0
130°	303.9	309.2	330.4	351.6	330.4	309.2	303.9	268.5	221.3	197.7	184.3
132.5°	291.9	296.6	315.6	334.6	315.6	296.6	291.9	260.2	217.9	196.8	184.5
135°	274.9	279.0	295.3	311.7	295.3	279.0	274.9	248.4	213.0	195.2	184.3
137.5°	262.3	265.6	279.1	292.4	279.1	265.6	262.3	239.9	210.0	195.0	185.5
140°	252.2	255.3	267.8	280.4	267.8	255.3	252.2	232.8	206.9	194.0	185.7
142.5°	245.1	247.8	258.6	269.4	258.6	247.8	245.1	228.1	205.4	194.0	186.3
145°	234.5	236.5	244.7	252.9	244.7	236.5	234.5	220.5	202.0	192.7	186.3
147.5°	225.6	227.3	234.1	240.8	234.1	227.3	225.6	214.6	200.0	192.7	187.6
150°	220.5	221.8	227.3	232.8	227.3	221.8	220.5	211.2	198.9	192.7	188.3
152.5°	216.4	217.5	221.6	225.8	221.6	217.5	216.4	208.5	198.0	192.7	188.7
155°	211.6	212.3	215.0	217.7	215.0	212.3	211.6	205.3	196.9	192.7	189.7
157.5°	207.4	207.9	209.8	211.7	209.8	207.9	207.4	202.5	195.9	192.7	190.6
160°	205.3	205.5	206.7	207.8	206.7	205.5	205.3	201.1	195.5	192.7	191.1
162.5°	203.4	203.6	204.7	205.7	204.7	203.6	203.4	199.8	195.1	192.7	191.5
165°	200.3	200.6	201.7	202.8	201.7	200.6	200.3	197.8	194.4	192.7	192.2
167.5°	199.0	199.1	199.6	200.0	199.6	199.1	199.0	197.3	195.2	194.0	193.6
170°	199.0	199.0	199.0	199.0	199.0	199.0	199.0	197.3	195.2	194.0	194.0
172.5°	198.0	197.9	197.4	197.1	197.4	197.9	198.0	196.6	194.9	194.0	194.0
175°	196.6	196.6	196.6	196.6	196.6	196.6	196.6	195.7	194.6	194.0	194.3
177.5°	196.3	196.2	195.7	195.2	195.7	196.2	196.3	195.6	194.7	194.3	194.5
180°	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2339.5	2339.5	2339.5	2339.5	2339.5
2.5°	2310.7	2321.8	2328.4	2337.3	2359.4
5°	2222.2	2264.2	2277.5	2310.7	2350.6
7.5°	2027.4	2155.8	2191.2	2270.9	2332.9
10°	1839.3	1967.7	2029.7	2217.8	2310.7
12.5°	1744.1	1819.3	1861.4	2124.8	2279.8
15°	1684.3	1737.4	1768.5	2000.9	2244.4
17.5°	1637.9	1675.5	1697.6	1879.1	2195.6
20°	1609.1	1626.8	1646.7	1790.5	2140.3
22.5°	1589.2	1578.1	1593.6	1728.6	2065.1
25°	1575.9	1533.8	1551.5	1679.9	1976.5
27.5°	1586.9	1494.0	1500.6	1635.7	1883.5
30°	1589.2	1445.3	1447.5	1589.2	1779.5
32.5°	1573.7	1394.4	1396.6	1531.6	1662.2
35°	1536.1	1334.6	1332.4	1465.2	1502.9
37.5°	1485.2	1270.5	1270.5	1392.2	1328.0
40°	1423.2	1206.3	1212.9	1297.0	1173.1
42.5°	1347.9	1137.7	1146.5	1170.9	1058.0
45°	1266.0	1071.2	1077.9	989.3	969.4
47.5°	1175.2	1002.7	1004.8	821.1	940.7
50°	1066.8	931.8	923.0	703.8	938.5
52.5°	971.6	854.3	827.8	637.5	852.2
55°	878.7	772.4	714.9	586.5	790.2
57.5°	796.8	666.2	610.9	526.8	776.9
60°	721.5	562.2	520.2	462.6	712.7
62.5°	659.6	484.7	475.9	418.3	646.3
65°	593.2	431.6	429.4	380.7	548.9
67.5°	529.0	396.2	394.0	345.2	418.3
70°	460.3	358.6	354.1	307.7	309.8
72.5°	389.5	316.5	312.1	276.7	256.7
75°	318.7	267.8	265.6	241.3	208.1
77.5°	250.1	212.5	216.9	194.8	152.7
80°	179.3	155.0	159.3	139.4	115.1
82.5°	119.6	101.9	106.2	88.5	77.4
85°	66.4	57.6	59.7	46.5	35.4
87.5°	31.0	26.6	26.6	17.7	11.1
90°	5.8	3.7	3.4	2.4	1.3
92.5°	35.6	25.3	23.0	14.1	5.2
95°	87.5	49.3	45.2	28.9	12.6
97.5°	117.8	54.1	50.5	36.1	21.7
100°	128.9	58.2	54.9	41.9	28.9
102.5°	133.9	62.3	59.2	47.1	34.9
105°	137.7	68.3	65.7	55.4	45.1
107.5°	138.4	77.2	74.7	65.1	55.5
110°	137.3	82.1	80.0	71.3	62.6



TEST NUMBER: P934138

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	137.3	88.2	86.1	77.9	69.6
115°	138.7	97.2	95.3	87.7	80.1
117.5°	141.2	106.0	104.2	97.3	90.4
120°	143.4	111.1	109.4	103.0	96.4
122.5°	146.3	117.1	115.5	108.9	102.3
125°	150.4	124.9	123.4	117.4	111.4
127.5°	154.4	132.3	130.8	124.7	118.7
130°	157.4	137.3	135.6	129.1	122.6
132.5°	159.8	141.4	139.7	133.2	126.7
135°	162.5	146.1	144.6	138.7	132.7
137.5°	166.4	152.1	150.6	144.8	138.9
140°	168.8	156.2	154.8	149.4	144.0
142.5°	170.7	159.1	157.9	152.9	147.9
145°	173.4	163.8	162.6	158.3	153.9
147.5°	177.3	169.5	168.5	164.2	159.9
150°	179.3	172.6	171.6	167.7	163.9
152.5°	180.6	174.5	173.8	170.8	168.0
155°	183.5	178.9	178.3	176.2	174.0
157.5°	186.4	183.1	182.6	180.5	178.4
160°	187.7	185.1	184.7	183.1	181.5
162.5°	189.1	187.2	186.9	185.7	184.4
165°	191.1	190.2	189.9	188.8	187.7
167.5°	192.6	191.9	191.8	191.2	190.7
170°	193.9	193.9	193.8	193.2	192.7
172.5°	194.0	194.0	194.0	193.9	193.8
175°	194.8	195.2	195.2	195.2	195.2
177.5°	194.9	195.2	195.2	195.2	195.2
180°	195.2	195.2	195.2	195.2	195.2

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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	16.70	17.96	17.31	18.58	19.29	19.52	20.78	20.14	21.41	22.12
	3H	17.20	18.34	17.83	18.97	19.72	20.89	22.03	21.52	22.66	23.41
	4H	17.41	18.48	18.06	19.13	19.89	21.36	22.42	22.00	23.07	23.83
	6H	17.55	18.54	18.21	19.20	19.97	21.66	22.65	22.32	23.30	24.08
	8H	17.56	18.50	18.24	19.18	19.96	21.74	22.68	22.42	23.36	24.14
	12H	17.55	18.45	18.23	19.12	19.93	21.80	22.69	22.47	23.37	24.17
4H	2H	17.78	18.84	18.43	19.49	20.25	19.98	21.05	20.63	21.69	22.45
	3H	18.84	19.73	19.50	20.42	21.20	21.52	22.41	22.18	23.10	23.88
	4H	19.13	19.94	19.81	20.63	21.44	22.06	22.87	22.74	23.56	24.37
	6H	19.28	19.98	19.98	20.70	21.52	22.45	23.15	23.15	23.86	24.69
	8H	19.29	19.95	20.00	20.66	21.49	22.56	23.22	23.27	23.93	24.76
	12H	19.28	19.87	20.01	20.61	21.44	22.64	23.23	23.36	23.96	24.80
8H	4H	19.62	20.27	20.32	20.98	21.82	22.22	22.87	22.92	23.59	24.42
	6H	19.89	20.44	20.63	21.19	22.03	22.67	23.21	23.41	23.97	24.80
	8H	19.94	20.42	20.69	21.18	22.03	22.82	23.31	23.57	24.07	24.92
	12H	19.94	20.37	20.69	21.12	22.03	22.94	23.37	23.69	24.11	25.03
12H	4H	19.64	20.23	20.37	20.97	21.80	22.20	22.79	22.93	23.53	24.37
	6H	19.96	20.44	20.71	21.20	22.05	22.67	23.15	23.42	23.91	24.76
	8H	20.04	20.47	20.79	21.22	22.13	22.85	23.28	23.60	24.02	24.94

END OF REPORT