

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: P934962

Luminaire Tested: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-6-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934962
REPORT IS A COMBINATION OF REPORTS P933719 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-6-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

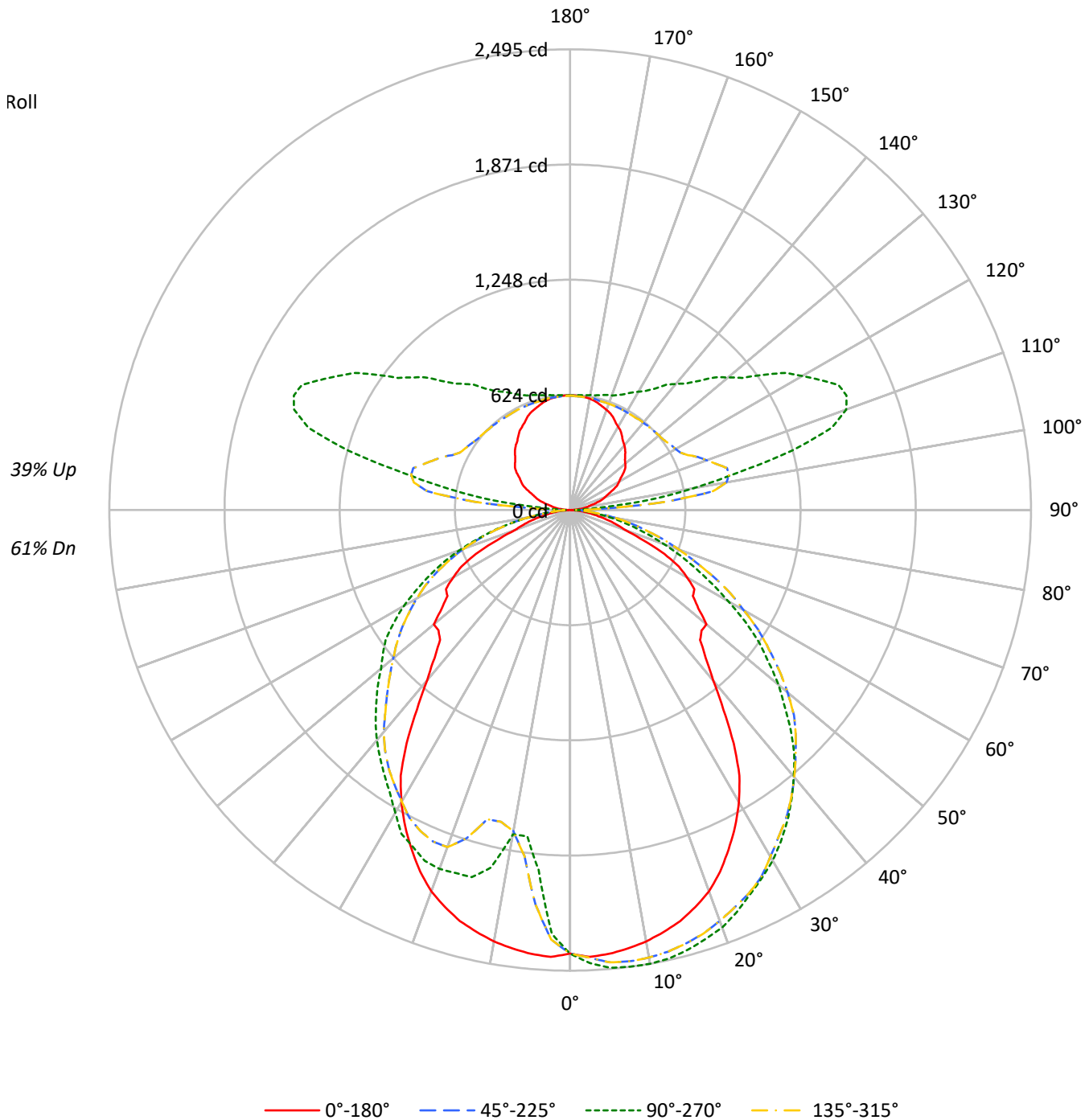
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10251.3 lumens
Efficiency: N/A
Efficacy: 110.2 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: Semi-Direct

Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61
1	100	96	92	88	94	90	86	83	79	76	74	68	66	65	59	57	56	51
2	91	84	78	72	85	79	73	68	69	65	61	60	57	54	52	49	47	43
3	83	74	66	60	78	69	63	57	61	56	51	53	49	46	46	43	40	36
4	76	65	57	51	71	61	54	49	54	48	44	47	43	39	41	37	35	31
5	70	58	50	44	65	55	47	42	48	42	38	42	38	34	37	33	30	27
6	65	52	44	38	60	49	42	36	44	37	33	38	33	30	33	29	26	24
7	60	47	39	33	56	45	37	32	39	33	29	35	30	26	30	26	23	21
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21	19
9	52	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19	17
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14859	14859	14859	14859
5°	14964	14999	14964	11794
10°	14859	14775	14859	10563
15°	14692	14455	14692	12070
20°	14379	14076	14379	12095
25°	13744	13523	13744	11839
30°	12926	13063	12926	11277
35°	11518	12483	11518	10658
40°	9592	11799	9592	10191
45°	8565	10999	8565	9653
50°	9092	10044	9092	9114
55°	8546	9015	8546	8802
60°	8799	7657	8799	8062
65°	7965	6330	7965	7075
70°	5502	5044	5502	5930
75°	4806	3729	4806	4465
80°	3847	2465	3847	2684
85°	2164	1306	2164	1110

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13135 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.8	2.1
10°-20°	615.6	6.0
20°-30°	951.6	9.3
30°-40°	1136.0	11.1
40°-50°	1142.7	11.1
50°-60°	994.3	9.7
60°-70°	705.0	6.9
70°-80°	373.0	3.6
80°-90°	95.2	0.9
90°-100°	302.4	2.9
100°-110°	794.9	7.8
110°-120°	824.3	8.0
120°-130°	661.2	6.4
130°-140°	518.8	5.1
140°-150°	398.2	3.9
150°-160°	286.8	2.8
160°-170°	175.5	1.7
170°-180°	59.3	0.6
0°-30°	1784.0	17.4
0°-40°	2920.0	28.5
0°-60°	5057.0	49.3
0°-90°	6230.2	60.8
90°-120°	1921.6	18.7
90°-150°	3499.7	34.1
90°-180°	4021.0	39.2
0°-180°	10251.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2402	2402	2402	2402	2402	
5°	2413	2488	2413	1956	2413	229
15°	2304	2466	2304	2059	2304	648
25°	2029	2300	2029	2013	2029	932
35°	1543	2052	1543	1752	1543	955
45°	995	1691	995	1484	995	797
55°	811	1248	811	1218	811	745
65°	564	752	564	841	564	539
75°	214	357	214	427	214	225
85°	36	91	36	77	36	49
90°	4	16	4	16	4	5
95°	40	183	40	183	40	44
105°	143	1245	143	1245	143	152
115°	254	1603	254	1603	254	251
125°	354	1276	354	1276	354	314
135°	422	990	422	990	422	326
145°	489	804	489	804	489	306
155°	553	692	553	692	553	254
165°	596	644	596	644	596	168
175°	620	624	620	624	620	59
180°	620	620	620	620	620	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9
2.5°	2422.4	2422.4	2436.1	2440.5	2440.5	2433.7	2426.9	2433.7	2454.2	2461.0	2458.7
5°	2413.3	2431.5	2456.5	2461.0	2465.6	2463.3	2458.7	2463.3	2486.0	2490.6	2492.8
7.5°	2395.1	2429.2	2461.0	2467.8	2474.6	2467.8	2465.6	2470.1	2492.8	2497.4	2497.4
10°	2372.4	2420.1	2456.5	2461.0	2467.8	2461.0	2461.0	2470.1	2492.8	2497.4	2499.6
12.5°	2340.6	2406.5	2440.5	2445.1	2454.2	2451.9	2449.7	2458.7	2481.4	2486.0	2486.0
15°	2304.3	2381.4	2413.3	2417.9	2433.7	2429.2	2429.2	2438.3	2463.3	2470.1	2467.8
17.5°	2254.2	2349.7	2386.0	2392.8	2404.2	2401.9	2404.2	2413.3	2436.1	2440.5	2442.9
20°	2197.5	2306.5	2349.7	2356.5	2367.8	2367.8	2367.8	2379.2	2401.9	2411.0	2411.0
22.5°	2120.2	2261.0	2306.5	2311.1	2324.7	2324.7	2329.2	2345.1	2365.6	2367.8	2367.8
25°	2029.2	2211.1	2249.7	2263.3	2277.0	2283.8	2290.6	2299.7	2306.5	2304.3	2306.5
27.5°	1933.8	2147.4	2197.5	2206.5	2224.7	2231.5	2240.6	2242.8	2245.2	2252.0	2247.4
30°	1827.0	2058.8	2133.8	2142.8	2172.4	2177.0	2167.9	2172.4	2183.8	2188.3	2192.9
32.5°	1706.6	1927.0	2067.9	2088.3	2115.6	2102.0	2099.7	2106.5	2124.7	2124.7	2129.2
35°	1543.0	1824.7	2006.6	2024.7	2045.2	2029.2	2038.4	2040.6	2052.0	2058.8	2056.5
37.5°	1363.5	1736.1	1942.9	1956.5	1972.5	1952.0	1965.7	1972.5	1981.5	1977.0	1977.0
40°	1204.4	1597.5	1867.9	1877.0	1890.6	1874.7	1888.4	1893.0	1897.4	1893.0	1890.6
42.5°	1086.2	1445.2	1788.4	1799.8	1790.6	1802.0	1806.6	1815.7	1808.8	1799.8	1799.8
45°	995.3	1404.4	1702.0	1715.7	1702.0	1720.3	1727.1	1727.1	1706.6	1702.0	1699.7
47.5°	965.8	1322.6	1615.7	1615.7	1608.9	1631.6	1643.0	1627.1	1606.5	1599.7	1599.7
50°	963.5	1231.7	1497.5	1488.5	1520.2	1547.5	1536.2	1520.2	1504.3	1479.3	1479.3
52.5°	874.9	1120.3	1345.3	1379.3	1429.4	1445.2	1427.0	1411.2	1383.9	1372.5	1363.5
55°	811.2	1004.4	1206.6	1274.8	1327.1	1347.5	1313.4	1297.6	1256.7	1249.9	1245.3
57.5°	797.6	836.2	1079.4	1165.8	1229.4	1227.1	1206.6	1177.1	1143.0	1136.2	1133.9
60°	731.7	604.4	943.0	1045.3	1111.2	1104.4	1086.2	1059.0	1027.1	1022.6	1018.1
62.5°	663.5	438.6	788.5	904.4	997.6	995.3	979.4	938.5	915.8	904.4	895.3
65°	563.6	368.2	561.3	752.2	886.3	890.7	856.7	827.2	802.2	788.5	786.3
67.5°	429.5	299.9	379.5	627.2	779.5	774.9	731.7	718.0	686.3	679.5	665.8
70°	318.1	200.0	263.6	509.0	674.9	663.5	629.5	613.6	584.0	568.1	559.0
72.5°	263.6	161.3	193.1	395.4	568.1	554.5	524.9	506.7	481.8	468.2	459.0
75°	213.6	170.5	147.7	293.1	461.3	452.2	424.9	406.7	386.3	368.2	370.4
77.5°	156.8	159.1	118.2	215.9	365.8	352.2	336.3	313.6	304.5	286.3	286.3
80°	118.2	125.0	88.6	147.7	263.6	263.6	250.0	234.0	218.2	209.1	209.1
82.5°	79.5	79.5	65.9	93.2	179.5	172.7	163.6	159.1	150.0	145.4	145.4
85°	36.3	45.5	40.9	56.9	97.7	102.2	102.2	97.7	95.4	90.9	93.2
87.5°	11.4	20.4	25.0	31.8	50.0	52.3	54.5	54.5	54.5	56.9	56.9
90°	4.1	7.4	10.8	11.6	18.3	27.1	31.6	28.1	21.1	15.8	15.8
92.5°	16.7	44.9	73.2	80.3	112.9	156.4	178.2	156.1	112.1	79.1	75.9
95°	39.9	91.8	143.5	156.5	277.9	439.9	520.8	464.8	352.6	268.5	259.0
97.5°	69.1	114.8	160.4	171.9	374.4	644.4	779.4	743.9	673.1	619.9	601.7
100°	91.6	133.0	174.5	184.9	409.5	709.1	858.9	861.5	866.7	870.5	848.9
102.5°	110.8	149.4	188.1	197.8	425.6	729.4	881.3	926.5	1016.8	1084.5	1066.0
105°	143.2	176.0	208.8	216.9	437.5	731.7	878.8	980.0	1182.4	1334.3	1324.3
107.5°	176.6	207.1	237.6	245.2	439.8	699.1	828.9	970.1	1252.5	1464.2	1466.6
110°	199.0	226.6	254.1	261.0	436.4	670.3	787.2	945.1	1260.8	1497.5	1507.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	221.1	247.3	273.6	280.1	436.6	645.1	749.4	910.9	1233.9	1476.2	1492.1
115°	254.4	278.6	302.8	308.9	440.6	616.2	704.0	859.6	1170.8	1404.2	1426.2
117.5°	287.2	309.2	331.3	336.8	448.8	598.1	672.7	813.2	1094.1	1304.7	1329.2
120°	306.4	327.1	347.8	353.0	455.4	592.0	660.3	788.6	1045.2	1237.7	1261.5
122.5°	325.2	346.0	367.0	372.2	465.0	588.8	650.7	766.2	997.3	1170.6	1194.1
125°	353.8	372.9	392.0	396.7	477.9	586.2	640.3	738.5	934.8	1082.0	1103.6
127.5°	377.2	396.4	415.6	420.4	490.8	584.6	631.6	715.8	884.4	1010.8	1029.1
130°	389.6	410.4	431.1	436.3	500.3	585.6	628.2	703.3	853.3	965.9	982.7
132.5°	402.5	423.3	444.0	449.2	507.9	586.2	625.3	692.4	826.8	927.5	942.6
135°	421.7	440.6	459.5	464.2	516.2	585.6	620.3	676.5	789.0	873.4	886.4
137.5°	441.3	459.9	478.6	483.3	528.7	589.2	619.5	667.0	762.1	833.4	844.1
140°	457.5	474.7	492.0	496.3	536.4	589.8	616.5	657.6	739.8	801.4	811.3
142.5°	470.0	486.0	501.9	505.9	542.7	591.9	616.5	652.6	724.8	778.9	787.5
145°	489.2	503.1	516.9	520.4	551.1	592.0	612.4	641.9	700.9	745.2	751.6
147.5°	508.3	521.8	535.3	538.7	563.2	596.0	612.4	635.6	682.0	716.9	722.2
150°	520.8	533.0	545.2	548.3	569.7	598.2	612.4	632.0	671.2	700.7	705.1
152.5°	533.7	543.0	552.2	554.6	573.8	599.5	612.4	629.1	662.6	687.8	691.1
155°	552.9	559.7	566.6	568.3	582.9	602.5	612.4	625.7	652.4	672.4	674.5
157.5°	567.0	573.7	580.3	582.0	592.2	605.7	612.4	622.8	643.5	659.0	660.6
160°	576.6	581.8	587.0	588.2	596.3	607.0	612.4	621.3	639.0	652.3	653.2
162.5°	586.2	590.1	593.9	594.9	600.8	608.5	612.4	619.9	634.9	646.1	647.0
165°	596.5	600.1	603.6	604.5	607.1	610.6	612.4	617.8	628.5	636.6	637.5
167.5°	606.1	607.8	609.4	609.9	612.1	615.1	616.5	620.0	627.1	632.4	632.7
170°	612.4	614.1	615.7	616.2	616.2	616.4	616.5	620.0	627.1	632.4	632.4
172.5°	615.7	616.1	616.4	616.5	616.5	616.5	616.5	619.3	624.8	629.0	628.7
175°	620.3	620.3	620.3	620.3	619.0	617.3	616.5	618.3	621.8	624.5	624.5
177.5°	620.3	620.3	620.3	620.3	619.3	618.0	617.4	618.8	621.6	623.7	623.3
180°	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9
2.5°	2463.3	2456.5	2463.3	2458.7	2461.0	2454.2	2433.7	2426.9	2433.7	2440.5	2440.5
5°	2492.8	2488.3	2492.8	2492.8	2490.6	2486.0	2463.3	2458.7	2463.3	2465.6	2461.0
7.5°	2501.9	2495.1	2501.9	2497.4	2497.4	2492.8	2470.1	2465.6	2467.8	2474.6	2467.8
10°	2501.9	2495.1	2501.9	2499.6	2497.4	2492.8	2470.1	2461.0	2461.0	2467.8	2461.0
12.5°	2490.6	2486.0	2490.6	2486.0	2486.0	2481.4	2458.7	2449.7	2451.9	2454.2	2445.1
15°	2472.4	2465.6	2472.4	2467.8	2470.1	2463.3	2438.3	2429.2	2429.2	2433.7	2417.9
17.5°	2445.1	2436.1	2445.1	2442.9	2440.5	2436.1	2413.3	2404.2	2401.9	2404.2	2392.8
20°	2413.3	2406.5	2413.3	2411.0	2411.0	2401.9	2379.2	2367.8	2367.8	2367.8	2356.5
22.5°	2363.3	2356.5	2363.3	2367.8	2367.8	2365.6	2345.1	2329.2	2324.7	2324.7	2311.1
25°	2306.5	2299.7	2306.5	2306.5	2304.3	2306.5	2299.7	2290.6	2283.8	2277.0	2263.3
27.5°	2252.0	2247.4	2252.0	2247.4	2252.0	2245.2	2242.8	2240.6	2231.5	2224.7	2206.5
30°	2197.5	2192.9	2197.5	2192.9	2188.3	2183.8	2172.4	2167.9	2177.0	2172.4	2142.8
32.5°	2129.2	2124.7	2129.2	2129.2	2124.7	2124.7	2106.5	2099.7	2102.0	2115.6	2088.3
35°	2058.8	2052.0	2058.8	2056.5	2058.8	2052.0	2040.6	2038.4	2029.2	2045.2	2024.7
37.5°	1977.0	1970.1	1977.0	1977.0	1977.0	1981.5	1972.5	1965.7	1952.0	1972.5	1956.5
40°	1893.0	1883.8	1893.0	1890.6	1893.0	1897.4	1893.0	1888.4	1874.7	1890.6	1877.0
42.5°	1797.5	1795.2	1797.5	1799.8	1799.8	1808.8	1815.7	1806.6	1802.0	1790.6	1799.8
45°	1695.2	1690.7	1695.2	1699.7	1702.0	1706.6	1727.1	1727.1	1720.3	1702.0	1715.7
47.5°	1586.1	1574.8	1586.1	1599.7	1599.7	1606.5	1627.1	1643.0	1631.6	1608.9	1615.7
50°	1470.3	1472.5	1470.3	1479.3	1479.3	1504.3	1520.2	1536.2	1547.5	1520.2	1488.5
52.5°	1356.7	1354.3	1356.7	1363.5	1372.5	1383.9	1411.2	1427.0	1445.2	1429.4	1379.3
55°	1243.0	1247.5	1243.0	1245.3	1249.9	1256.7	1297.6	1313.4	1347.5	1327.1	1274.8
57.5°	1129.3	1122.5	1129.3	1133.9	1136.2	1143.0	1177.1	1206.6	1227.1	1229.4	1165.8
60°	997.6	988.5	997.6	1018.1	1022.6	1027.1	1059.0	1086.2	1104.4	1111.2	1045.3
62.5°	881.7	865.8	881.7	895.3	904.4	915.8	938.5	979.4	995.3	997.6	904.4
65°	759.0	752.2	759.0	786.3	788.5	802.2	827.2	856.7	890.7	886.3	752.2
67.5°	647.7	647.7	647.7	665.8	679.5	686.3	718.0	731.7	774.9	779.5	627.2
70°	545.3	543.1	545.3	559.0	568.1	584.0	613.6	629.5	663.5	674.9	509.0
72.5°	447.7	445.4	447.7	459.0	468.2	481.8	506.7	524.9	554.5	568.1	395.4
75°	361.3	356.8	361.3	370.4	368.2	386.3	406.7	424.9	452.2	461.3	293.1
77.5°	277.3	277.3	277.3	286.3	286.3	304.5	313.6	336.3	352.2	365.8	215.9
80°	206.8	204.5	206.8	209.1	209.1	218.2	234.0	250.0	263.6	263.6	147.7
82.5°	145.4	140.9	145.4	145.4	145.4	150.0	159.1	163.6	172.7	179.5	93.2
85°	90.9	90.9	90.9	93.2	90.9	95.4	97.7	102.2	102.2	97.7	56.9
87.5°	59.1	56.9	59.1	56.9	56.9	54.5	54.5	54.5	52.3	50.0	31.8
90°	15.8	15.8	15.8	15.8	15.8	21.1	28.1	31.6	27.1	18.3	11.6
92.5°	63.3	50.8	63.3	75.9	79.1	112.1	156.1	178.2	156.4	112.9	80.3
95°	220.9	182.7	220.9	259.0	268.5	352.6	464.8	520.8	439.9	277.9	156.5
97.5°	529.2	456.7	529.2	601.7	619.9	673.1	743.9	779.4	644.4	374.4	171.9
100°	762.4	676.1	762.4	848.9	870.5	866.7	861.5	858.9	709.1	409.5	184.9
102.5°	992.0	918.0	992.0	1066.0	1084.5	1016.8	926.5	881.3	729.4	425.6	197.8
105°	1284.5	1244.8	1284.5	1324.3	1334.3	1182.4	980.0	878.8	731.7	437.5	216.9
107.5°	1476.2	1485.8	1476.2	1466.6	1464.2	1252.5	970.1	828.9	699.1	439.8	245.2
110°	1549.2	1590.7	1549.2	1507.9	1497.5	1260.8	945.1	787.2	670.3	436.4	261.0



TEST NUMBER: P934962

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1555.8	1619.4	1555.8	1492.1	1476.2	1233.9	910.9	749.4	645.1	436.6	280.1
115°	1514.5	1602.8	1514.5	1426.2	1404.2	1170.8	859.6	704.0	616.2	440.6	308.9
117.5°	1427.0	1524.9	1427.0	1329.2	1304.7	1094.1	813.2	672.7	598.1	448.8	336.8
120°	1356.6	1451.7	1356.6	1261.5	1237.7	1045.2	788.6	660.3	592.0	455.4	353.0
122.5°	1287.9	1381.7	1287.9	1194.1	1170.6	997.3	766.2	650.7	588.8	465.0	372.2
125°	1190.0	1276.4	1190.0	1103.6	1082.0	934.8	738.5	640.3	586.2	477.9	396.7
127.5°	1102.0	1174.8	1102.0	1029.1	1010.8	884.4	715.8	631.6	584.6	490.8	420.4
130°	1050.0	1117.3	1050.0	982.7	965.9	853.3	703.3	628.2	585.6	500.3	436.3
132.5°	1002.9	1063.3	1002.9	942.6	927.5	826.8	692.4	625.3	586.2	507.9	449.2
135°	938.4	990.4	938.4	886.4	873.4	789.0	676.5	620.3	585.6	516.2	464.2
137.5°	886.6	929.2	886.6	844.1	833.4	762.1	667.0	619.5	589.2	528.7	483.3
140°	851.2	890.9	851.2	811.3	801.4	739.8	657.6	616.5	589.8	536.4	496.3
142.5°	821.7	855.9	821.7	787.5	778.9	724.8	652.6	616.5	591.9	542.7	505.9
145°	777.6	803.5	777.6	751.6	745.2	700.9	641.9	612.4	592.0	551.1	520.4
147.5°	743.6	765.1	743.6	722.2	716.9	682.0	635.6	612.4	596.0	563.2	538.7
150°	722.4	739.8	722.4	705.1	700.7	671.2	632.0	612.4	598.2	569.7	548.3
152.5°	704.2	717.3	704.2	691.1	687.8	662.6	629.1	612.4	599.5	573.8	554.6
155°	683.2	691.9	683.2	674.5	672.4	652.4	625.7	612.4	602.5	582.9	568.3
157.5°	666.6	672.7	666.6	660.6	659.0	643.5	622.8	612.4	605.7	592.2	582.0
160°	656.7	660.3	656.7	653.2	652.3	639.0	621.3	612.4	607.0	596.3	588.2
162.5°	650.3	653.6	650.3	647.0	646.1	634.9	619.9	612.4	608.5	600.8	594.9
165°	641.0	644.4	641.0	637.5	636.6	628.5	617.8	612.4	610.6	607.1	604.5
167.5°	634.2	635.7	634.2	632.7	632.4	627.1	620.0	616.5	615.1	612.1	609.9
170°	632.4	632.4	632.4	632.4	632.4	627.1	620.0	616.5	616.4	616.2	616.2
172.5°	627.4	626.1	627.4	628.7	629.0	624.8	619.3	616.5	616.5	616.5	616.5
175°	624.5	624.5	624.5	624.5	624.5	621.8	618.3	616.5	617.3	619.0	620.3
177.5°	621.8	620.3	621.8	623.3	623.7	621.6	618.8	617.4	618.0	619.3	620.3
180°	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3



TEST NUMBER: P934962

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9
2.5°	2436.1	2422.4	2422.4	2399.7	2390.6	2383.8	2372.4	2338.3	2329.2	2320.1	2333.7
5°	2456.5	2431.5	2413.3	2372.4	2338.3	2324.7	2281.5	2199.7	2145.2	2104.3	2081.5
7.5°	2461.0	2429.2	2395.1	2331.5	2249.7	2213.3	2081.5	1931.5	1890.6	1854.3	1831.5
10°	2456.5	2420.1	2372.4	2277.0	2083.8	2020.2	1888.4	1790.6	1765.6	1758.8	1765.6
12.5°	2440.5	2406.5	2340.6	2181.5	1911.1	1867.9	1790.6	1733.9	1729.3	1740.7	1802.0
15°	2413.3	2381.4	2304.3	2054.3	1815.7	1783.8	1729.3	1708.9	1733.9	1813.4	1997.4
17.5°	2386.0	2349.7	2254.2	1929.3	1742.9	1720.3	1681.6	1722.5	1863.4	1970.1	2031.6
20°	2349.7	2306.5	2197.5	1838.3	1690.7	1670.2	1652.0	1836.1	1942.9	1981.5	2015.6
22.5°	2306.5	2261.0	2120.2	1774.8	1636.1	1620.2	1631.6	1899.8	1942.9	1970.1	1999.7
25°	2249.7	2211.1	2029.2	1724.7	1592.9	1574.8	1617.9	1893.0	1917.9	1924.7	1983.8
27.5°	2197.5	2147.4	1933.8	1679.3	1540.7	1533.8	1629.3	1863.4	1881.6	1888.4	1952.0
30°	2133.8	2058.8	1827.0	1631.6	1486.1	1483.9	1631.6	1827.0	1822.5	1840.7	1904.2
32.5°	2067.9	1927.0	1706.6	1572.5	1433.9	1431.6	1615.7	1772.4	1768.0	1793.0	1840.7
35°	2006.6	1824.7	1543.0	1504.3	1367.9	1370.3	1577.1	1708.9	1711.1	1733.9	1763.4
37.5°	1942.9	1736.1	1363.5	1429.4	1304.4	1304.4	1524.8	1649.8	1645.2	1652.0	1692.9
40°	1867.9	1597.5	1204.4	1331.6	1245.3	1238.5	1461.1	1586.1	1570.2	1568.0	1624.8
42.5°	1788.4	1445.2	1086.2	1202.1	1177.1	1168.0	1383.9	1508.9	1479.3	1486.1	1558.8
45°	1702.0	1404.4	995.3	1015.7	1106.7	1099.8	1299.8	1420.2	1399.8	1418.0	1492.9
47.5°	1615.7	1322.6	965.8	843.0	1031.7	1029.4	1206.6	1333.9	1322.6	1340.7	1420.2
50°	1497.5	1231.7	963.5	722.6	947.6	956.6	1095.3	1249.9	1249.9	1265.7	1349.8
52.5°	1345.3	1120.3	874.9	654.5	849.9	877.1	997.6	1177.1	1181.6	1197.6	1272.5
55°	1206.6	1004.4	811.2	602.2	734.0	793.1	902.1	1102.1	1111.2	1127.1	1195.2
57.5°	1079.4	836.2	797.6	540.9	627.2	684.0	818.0	1029.4	1033.9	1047.6	1113.5
60°	943.0	604.4	731.7	475.0	534.1	577.2	740.8	943.0	959.0	968.0	1024.9
62.5°	788.5	438.6	663.5	429.5	488.6	497.6	677.2	861.2	881.7	888.5	922.6
65°	561.3	368.2	563.6	390.9	440.9	443.1	609.0	777.1	795.3	806.7	831.7
67.5°	379.5	299.9	429.5	354.5	404.5	406.7	543.1	679.5	704.4	713.6	729.4
70°	263.6	200.0	318.1	315.9	363.6	368.2	472.6	590.8	613.6	620.4	629.5
72.5°	193.1	161.3	263.6	284.1	320.4	325.0	399.9	490.8	513.6	520.4	524.9
75°	147.7	170.5	213.6	247.7	272.7	275.0	327.2	399.9	415.9	420.4	422.7
77.5°	118.2	159.1	156.8	200.0	222.7	218.2	256.8	309.1	322.7	322.7	322.7
80°	88.6	125.0	118.2	143.2	163.6	159.1	184.1	220.4	225.0	229.5	227.2
82.5°	65.9	79.5	79.5	90.9	109.0	104.6	122.7	143.2	143.2	143.2	147.7
85°	40.9	45.5	36.3	47.7	61.3	59.1	68.1	77.3	79.5	79.5	75.0
87.5°	25.0	20.4	11.4	18.2	27.3	27.3	31.8	34.1	31.8	31.8	31.8
90°	10.8	7.4	4.1	7.4	10.8	11.6	18.3	27.1	31.6	28.1	21.1
92.5°	73.2	44.9	16.7	44.9	73.2	80.3	112.9	156.4	178.2	156.1	112.1
95°	143.5	91.8	39.9	91.8	143.5	156.5	277.9	439.9	520.8	464.8	352.6
97.5°	160.4	114.8	69.1	114.8	160.4	171.9	374.4	644.4	779.4	743.9	673.1
100°	174.5	133.0	91.6	133.0	174.5	184.9	409.5	709.1	858.9	861.5	866.7
102.5°	188.1	149.4	110.8	149.4	188.1	197.8	425.6	729.4	881.3	926.5	1016.8
105°	208.8	176.0	143.2	176.0	208.8	216.9	437.5	731.7	878.8	980.0	1182.4
107.5°	237.6	207.1	176.6	207.1	237.6	245.2	439.8	699.1	828.9	970.1	1252.5
110°	254.1	226.6	199.0	226.6	254.1	261.0	436.4	670.3	787.2	945.1	1260.8



TEST NUMBER: P934962

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	273.6	247.3	221.1	247.3	273.6	280.1	436.6	645.1	749.4	910.9	1233.9
115°	302.8	278.6	254.4	278.6	302.8	308.9	440.6	616.2	704.0	859.6	1170.8
117.5°	331.3	309.2	287.2	309.2	331.3	336.8	448.8	598.1	672.7	813.2	1094.1
120°	347.8	327.1	306.4	327.1	347.8	353.0	455.4	592.0	660.3	788.6	1045.2
122.5°	367.0	346.0	325.2	346.0	367.0	372.2	465.0	588.8	650.7	766.2	997.3
125°	392.0	372.9	353.8	372.9	392.0	396.7	477.9	586.2	640.3	738.5	934.8
127.5°	415.6	396.4	377.2	396.4	415.6	420.4	490.8	584.6	631.6	715.8	884.4
130°	431.1	410.4	389.6	410.4	431.1	436.3	500.3	585.6	628.2	703.3	853.3
132.5°	444.0	423.3	402.5	423.3	444.0	449.2	507.9	586.2	625.3	692.4	826.8
135°	459.5	440.6	421.7	440.6	459.5	464.2	516.2	585.6	620.3	676.5	789.0
137.5°	478.6	459.9	441.3	459.9	478.6	483.3	528.7	589.2	619.5	667.0	762.1
140°	492.0	474.7	457.5	474.7	492.0	496.3	536.4	589.8	616.5	657.6	739.8
142.5°	501.9	486.0	470.0	486.0	501.9	505.9	542.7	591.9	616.5	652.6	724.8
145°	516.9	503.1	489.2	503.1	516.9	520.4	551.1	592.0	612.4	641.9	700.9
147.5°	535.3	521.8	508.3	521.8	535.3	538.7	563.2	596.0	612.4	635.6	682.0
150°	545.2	533.0	520.8	533.0	545.2	548.3	569.7	598.2	612.4	632.0	671.2
152.5°	552.2	543.0	533.7	543.0	552.2	554.6	573.8	599.5	612.4	629.1	662.6
155°	566.6	559.7	552.9	559.7	566.6	568.3	582.9	602.5	612.4	625.7	652.4
157.5°	580.3	573.7	567.0	573.7	580.3	582.0	592.2	605.7	612.4	622.8	643.5
160°	587.0	581.8	576.6	581.8	587.0	588.2	596.3	607.0	612.4	621.3	639.0
162.5°	593.9	590.1	586.2	590.1	593.9	594.9	600.8	608.5	612.4	619.9	634.9
165°	603.6	600.1	596.5	600.1	603.6	604.5	607.1	610.6	612.4	617.8	628.5
167.5°	609.4	607.8	606.1	607.8	609.4	609.9	612.1	615.1	616.5	620.0	627.1
170°	615.7	614.1	612.4	614.1	615.7	616.2	616.2	616.4	616.5	620.0	627.1
172.5°	616.4	616.1	615.7	616.1	616.4	616.5	616.5	616.5	616.5	619.3	624.8
175°	620.3	620.3	620.3	620.3	620.3	620.3	619.0	617.3	616.5	618.3	621.8
177.5°	620.3	620.3	620.3	620.3	620.3	620.3	619.3	618.0	617.4	618.8	621.6
180°	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3



TEST NUMBER: P934962

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9
2.5°	2317.9	2311.1	2320.1	2295.1	2320.1	2311.1	2317.9	2333.7	2320.1	2329.2	2338.3
5°	2033.8	2022.4	1986.1	1956.5	1986.1	2022.4	2033.8	2081.5	2104.3	2145.2	2199.7
7.5°	1817.9	1808.8	1799.8	1781.6	1799.8	1808.8	1817.9	1831.5	1854.3	1890.6	1931.5
10°	1770.2	1772.4	1786.1	1783.8	1786.1	1772.4	1770.2	1765.6	1758.8	1765.6	1790.6
12.5°	1893.0	1913.4	1988.4	1983.8	1988.4	1913.4	1893.0	1802.0	1740.7	1729.3	1733.9
15°	2033.8	2040.6	2056.5	2058.8	2056.5	2040.6	2033.8	1997.4	1813.4	1733.9	1708.9
17.5°	2047.4	2049.7	2061.1	2061.1	2061.1	2049.7	2047.4	2031.6	1970.1	1863.4	1722.5
20°	2036.1	2040.6	2063.3	2067.9	2063.3	2040.6	2036.1	2015.6	1981.5	1942.9	1836.1
22.5°	2031.6	2040.6	2058.8	2056.5	2058.8	2040.6	2031.6	1999.7	1970.1	1942.9	1899.8
25°	2008.8	2008.8	2011.0	2013.4	2011.0	2008.8	2008.8	1983.8	1924.7	1917.9	1893.0
27.5°	1961.1	1965.7	1979.3	1977.0	1979.3	1965.7	1961.1	1952.0	1888.4	1881.6	1863.4
30°	1917.9	1913.4	1902.0	1893.0	1902.0	1913.4	1917.9	1904.2	1840.7	1822.5	1827.0
32.5°	1845.2	1833.9	1822.5	1815.7	1822.5	1833.9	1845.2	1840.7	1793.0	1768.0	1772.4
35°	1758.8	1761.1	1758.8	1752.0	1758.8	1761.1	1758.8	1763.4	1733.9	1711.1	1708.9
37.5°	1697.5	1702.0	1699.7	1690.7	1699.7	1702.0	1697.5	1692.9	1652.0	1645.2	1649.8
40°	1633.9	1636.1	1633.9	1627.1	1633.9	1636.1	1633.9	1624.8	1568.0	1570.2	1586.1
42.5°	1572.5	1570.2	1563.4	1558.8	1563.4	1570.2	1572.5	1558.8	1486.1	1479.3	1508.9
45°	1502.1	1504.3	1490.7	1483.9	1490.7	1504.3	1502.1	1492.9	1418.0	1399.8	1420.2
47.5°	1431.6	1431.6	1420.2	1413.4	1420.2	1431.6	1431.6	1420.2	1340.7	1322.6	1333.9
50°	1356.7	1354.3	1338.5	1336.2	1338.5	1354.3	1356.7	1349.8	1265.7	1249.9	1249.9
52.5°	1270.3	1270.3	1272.5	1277.1	1272.5	1270.3	1270.3	1272.5	1197.6	1181.6	1177.1
55°	1195.2	1197.6	1213.5	1218.0	1213.5	1197.6	1195.2	1195.2	1127.1	1111.2	1102.1
57.5°	1118.1	1118.1	1129.3	1129.3	1129.3	1118.1	1118.1	1113.5	1047.6	1033.9	1029.4
60°	1029.4	1033.9	1043.0	1040.8	1043.0	1033.9	1029.4	1024.9	968.0	959.0	943.0
62.5°	936.2	940.8	943.0	938.5	943.0	940.8	936.2	922.6	888.5	881.7	861.2
65°	838.5	843.0	845.4	840.8	845.4	843.0	838.5	831.7	806.7	795.3	777.1
67.5°	738.5	736.2	734.0	743.1	734.0	736.2	738.5	729.4	713.6	704.4	679.5
70°	636.3	636.3	634.0	638.5	634.0	636.3	636.3	629.5	620.4	613.6	590.8
72.5°	527.2	524.9	534.1	527.2	534.1	524.9	527.2	524.9	520.4	513.6	490.8
75°	420.4	424.9	420.4	427.2	420.4	424.9	420.4	422.7	420.4	415.9	399.9
77.5°	320.4	325.0	320.4	320.4	320.4	325.0	320.4	322.7	322.7	322.7	309.1
80°	227.2	225.0	225.0	222.7	225.0	225.0	227.2	227.2	229.5	225.0	220.4
82.5°	145.4	143.2	143.2	147.7	143.2	143.2	145.4	147.7	143.2	143.2	143.2
85°	79.5	81.8	77.3	77.3	77.3	81.8	79.5	75.0	79.5	79.5	77.3
87.5°	29.5	27.3	27.3	27.3	27.3	27.3	29.5	31.8	31.8	31.8	34.1
90°	15.8	15.8	15.8	15.8	15.8	15.8	15.8	21.1	28.1	31.6	27.1
92.5°	79.1	75.9	63.3	50.8	63.3	75.9	79.1	112.1	156.1	178.2	156.4
95°	268.5	259.0	220.9	182.7	220.9	259.0	268.5	352.6	464.8	520.8	439.9
97.5°	619.9	601.7	529.2	456.7	529.2	601.7	619.9	673.1	743.9	779.4	644.4
100°	870.5	848.9	762.4	676.1	762.4	848.9	870.5	866.7	861.5	858.9	709.1
102.5°	1084.5	1066.0	992.0	918.0	992.0	1066.0	1084.5	1016.8	926.5	881.3	729.4
105°	1334.3	1324.3	1284.5	1244.8	1284.5	1324.3	1334.3	1182.4	980.0	878.8	731.7
107.5°	1464.2	1466.6	1476.2	1485.8	1476.2	1466.6	1464.2	1252.5	970.1	828.9	699.1
110°	1497.5	1507.9	1549.2	1590.7	1549.2	1507.9	1497.5	1260.8	945.1	787.2	670.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1476.2	1492.1	1555.8	1619.4	1555.8	1492.1	1476.2	1233.9	910.9	749.4	645.1
115°	1404.2	1426.2	1514.5	1602.8	1514.5	1426.2	1404.2	1170.8	859.6	704.0	616.2
117.5°	1304.7	1329.2	1427.0	1524.9	1427.0	1329.2	1304.7	1094.1	813.2	672.7	598.1
120°	1237.7	1261.5	1356.6	1451.7	1356.6	1261.5	1237.7	1045.2	788.6	660.3	592.0
122.5°	1170.6	1194.1	1287.9	1381.7	1287.9	1194.1	1170.6	997.3	766.2	650.7	588.8
125°	1082.0	1103.6	1190.0	1276.4	1190.0	1103.6	1082.0	934.8	738.5	640.3	586.2
127.5°	1010.8	1029.1	1102.0	1174.8	1102.0	1029.1	1010.8	884.4	715.8	631.6	584.6
130°	965.9	982.7	1050.0	1117.3	1050.0	982.7	965.9	853.3	703.3	628.2	585.6
132.5°	927.5	942.6	1002.9	1063.3	1002.9	942.6	927.5	826.8	692.4	625.3	586.2
135°	873.4	886.4	938.4	990.4	938.4	886.4	873.4	789.0	676.5	620.3	585.6
137.5°	833.4	844.1	886.6	929.2	886.6	844.1	833.4	762.1	667.0	619.5	589.2
140°	801.4	811.3	851.2	890.9	851.2	811.3	801.4	739.8	657.6	616.5	589.8
142.5°	778.9	787.5	821.7	855.9	821.7	787.5	778.9	724.8	652.6	616.5	591.9
145°	745.2	751.6	777.6	803.5	777.6	751.6	745.2	700.9	641.9	612.4	592.0
147.5°	716.9	722.2	743.6	765.1	743.6	722.2	716.9	682.0	635.6	612.4	596.0
150°	700.7	705.1	722.4	739.8	722.4	705.1	700.7	671.2	632.0	612.4	598.2
152.5°	687.8	691.1	704.2	717.3	704.2	691.1	687.8	662.6	629.1	612.4	599.5
155°	672.4	674.5	683.2	691.9	683.2	674.5	672.4	652.4	625.7	612.4	602.5
157.5°	659.0	660.6	666.6	672.7	666.6	660.6	659.0	643.5	622.8	612.4	605.7
160°	652.3	653.2	656.7	660.3	656.7	653.2	652.3	639.0	621.3	612.4	607.0
162.5°	646.1	647.0	650.3	653.6	650.3	647.0	646.1	634.9	619.9	612.4	608.5
165°	636.6	637.5	641.0	644.4	641.0	637.5	636.6	628.5	617.8	612.4	610.6
167.5°	632.4	632.7	634.2	635.7	634.2	632.7	632.4	627.1	620.0	616.5	615.1
170°	632.4	632.4	632.4	632.4	632.4	632.4	632.4	627.1	620.0	616.5	616.4
172.5°	629.0	628.7	627.4	626.1	627.4	628.7	629.0	624.8	619.3	616.5	616.5
175°	624.5	624.5	624.5	624.5	624.5	624.5	624.5	621.8	618.3	616.5	617.3
177.5°	623.7	623.3	621.8	620.3	621.8	623.3	623.7	621.6	618.8	617.4	618.0
180°	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2401.9	2401.9	2401.9	2401.9	2401.9
2.5°	2372.4	2383.8	2390.6	2399.7	2422.4
5°	2281.5	2324.7	2338.3	2372.4	2413.3
7.5°	2081.5	2213.3	2249.7	2331.5	2395.1
10°	1888.4	2020.2	2083.8	2277.0	2372.4
12.5°	1790.6	1867.9	1911.1	2181.5	2340.6
15°	1729.3	1783.8	1815.7	2054.3	2304.3
17.5°	1681.6	1720.3	1742.9	1929.3	2254.2
20°	1652.0	1670.2	1690.7	1838.3	2197.5
22.5°	1631.6	1620.2	1636.1	1774.8	2120.2
25°	1617.9	1574.8	1592.9	1724.7	2029.2
27.5°	1629.3	1533.8	1540.7	1679.3	1933.8
30°	1631.6	1483.9	1486.1	1631.6	1827.0
32.5°	1615.7	1431.6	1433.9	1572.5	1706.6
35°	1577.1	1370.3	1367.9	1504.3	1543.0
37.5°	1524.8	1304.4	1304.4	1429.4	1363.5
40°	1461.1	1238.5	1245.3	1331.6	1204.4
42.5°	1383.9	1168.0	1177.1	1202.1	1086.2
45°	1299.8	1099.8	1106.7	1015.7	995.3
47.5°	1206.6	1029.4	1031.7	843.0	965.8
50°	1095.3	956.6	947.6	722.6	963.5
52.5°	997.6	877.1	849.9	654.5	874.9
55°	902.1	793.1	734.0	602.2	811.2
57.5°	818.0	684.0	627.2	540.9	797.6
60°	740.8	577.2	534.1	475.0	731.7
62.5°	677.2	497.6	488.6	429.5	663.5
65°	609.0	443.1	440.9	390.9	563.6
67.5°	543.1	406.7	404.5	354.5	429.5
70°	472.6	368.2	363.6	315.9	318.1
72.5°	399.9	325.0	320.4	284.1	263.6
75°	327.2	275.0	272.7	247.7	213.6
77.5°	256.8	218.2	222.7	200.0	156.8
80°	184.1	159.1	163.6	143.2	118.2
82.5°	122.7	104.6	109.0	90.9	79.5
85°	68.1	59.1	61.3	47.7	36.3
87.5°	31.8	27.3	27.3	18.2	11.4
90°	18.3	11.6	10.8	7.4	4.1
92.5°	112.9	80.3	73.2	44.9	16.7
95°	277.9	156.5	143.5	91.8	39.9
97.5°	374.4	171.9	160.4	114.8	69.1
100°	409.5	184.9	174.5	133.0	91.6
102.5°	425.6	197.8	188.1	149.4	110.8
105°	437.5	216.9	208.8	176.0	143.2
107.5°	439.8	245.2	237.6	207.1	176.6
110°	436.4	261.0	254.1	226.6	199.0



TEST NUMBER: P934962

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	436.6	280.1	273.6	247.3	221.1
115°	440.6	308.9	302.8	278.6	254.4
117.5°	448.8	336.8	331.3	309.2	287.2
120°	455.4	353.0	347.8	327.1	306.4
122.5°	465.0	372.2	367.0	346.0	325.2
125°	477.9	396.7	392.0	372.9	353.8
127.5°	490.8	420.4	415.6	396.4	377.2
130°	500.3	436.3	431.1	410.4	389.6
132.5°	507.9	449.2	444.0	423.3	402.5
135°	516.2	464.2	459.5	440.6	421.7
137.5°	528.7	483.3	478.6	459.9	441.3
140°	536.4	496.3	492.0	474.7	457.5
142.5°	542.7	505.9	501.9	486.0	470.0
145°	551.1	520.4	516.9	503.1	489.2
147.5°	563.2	538.7	535.3	521.8	508.3
150°	569.7	548.3	545.2	533.0	520.8
152.5°	573.8	554.6	552.2	543.0	533.7
155°	582.9	568.3	566.6	559.7	552.9
157.5°	592.2	582.0	580.3	573.7	567.0
160°	596.3	588.2	587.0	581.8	576.6
162.5°	600.8	594.9	593.9	590.1	586.2
165°	607.1	604.5	603.6	600.1	596.5
167.5°	612.1	609.9	609.4	607.8	606.1
170°	616.2	616.2	615.7	614.1	612.4
172.5°	616.5	616.5	616.4	616.1	615.7
175°	619.0	620.3	620.3	620.3	620.3
177.5°	619.3	620.3	620.3	620.3	620.3
180°	620.3	620.3	620.3	620.3	620.3



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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	15.12	16.08	15.98	16.97	18.07	17.94	18.91	18.80	19.79	20.90
	3H	15.60	16.47	16.47	17.36	18.49	19.29	20.16	20.16	21.05	22.19
	4H	15.80	16.62	16.69	17.51	18.66	19.74	20.56	20.63	21.46	22.60
	6H	15.92	16.68	16.82	17.58	18.74	20.03	20.79	20.93	21.69	22.85
	8H	15.93	16.65	16.83	17.57	18.72	20.11	20.83	21.01	21.75	22.90
	12H	15.90	16.59	16.82	17.50	18.68	20.15	20.83	21.06	21.75	22.93
4H	2H	16.16	16.98	17.05	17.88	19.02	18.36	19.18	19.26	20.08	21.22
	3H	17.20	17.88	18.10	18.81	19.97	19.88	20.56	20.78	21.49	22.65
	4H	17.48	18.10	18.39	19.02	20.21	20.41	21.03	21.32	21.96	23.14
	6H	17.61	18.15	18.54	19.09	20.28	20.78	21.32	21.71	22.26	23.45
	8H	17.62	18.12	18.55	19.06	20.26	20.89	21.39	21.82	22.33	23.53
	12H	17.59	18.04	18.54	19.00	20.21	20.95	21.40	21.90	22.36	23.57
8H	4H	17.94	18.44	18.87	19.38	20.58	20.54	21.04	21.47	21.99	23.19
	6H	18.21	18.62	19.16	19.60	20.80	20.98	21.40	21.94	22.38	23.58
	8H	18.25	18.62	19.22	19.59	20.81	21.13	21.50	22.10	22.47	23.69
	12H	18.24	18.56	19.21	19.53	20.79	21.24	21.56	22.21	22.53	23.79
12H	4H	17.95	18.40	18.90	19.36	20.57	20.51	20.96	21.46	21.92	23.13
	6H	18.27	18.64	19.23	19.61	20.83	20.98	21.35	21.95	22.32	23.54
	8H	18.34	18.66	19.31	19.63	20.89	21.15	21.47	22.12	22.43	23.70