

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: P934043

Luminaire Tested: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-2700K

Issue Date: 12/17/2024

**Test Information**

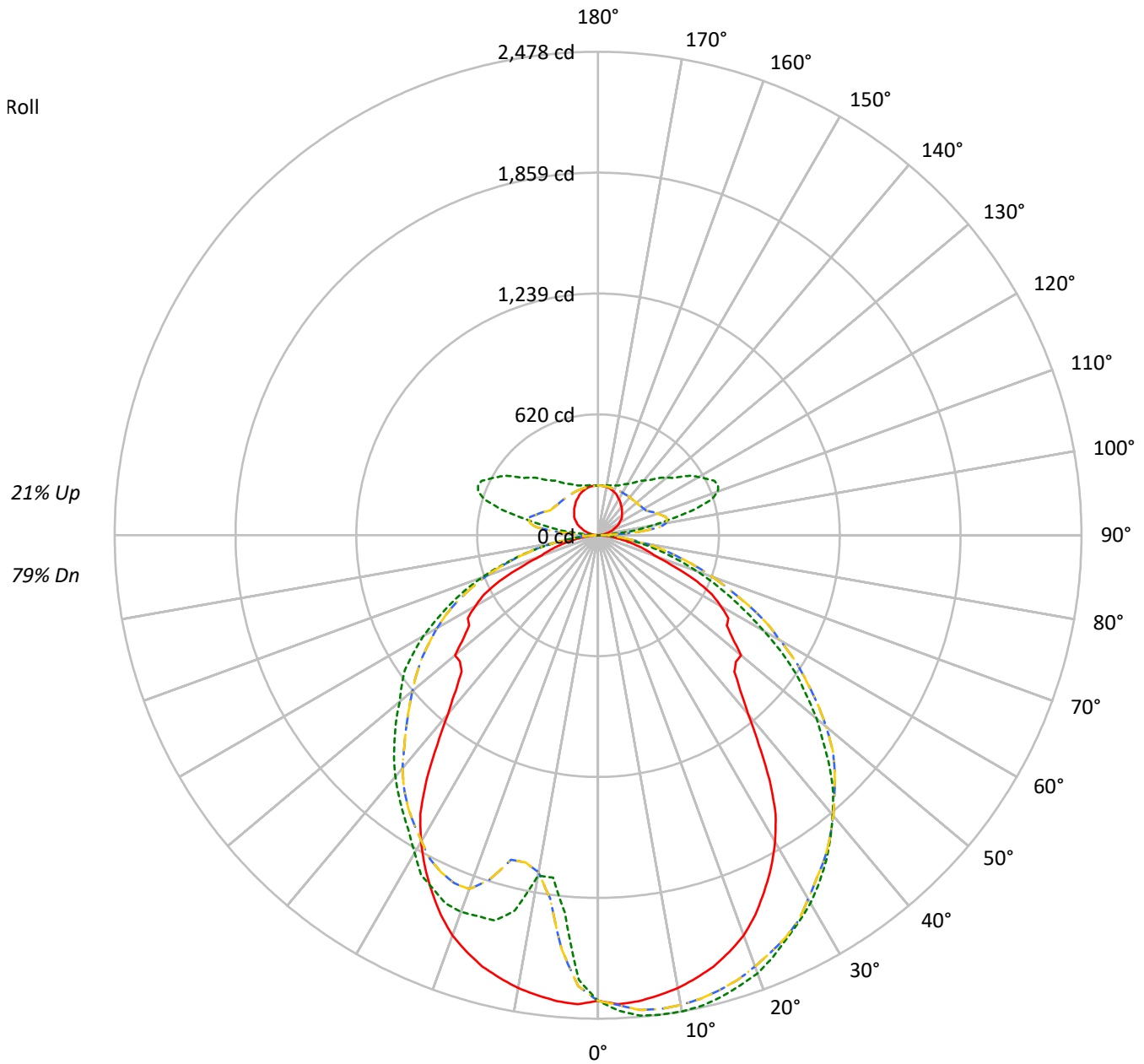
Test Method: LM-79-2019  
Report Number: P934043  
REPORT IS A COMBINATION OF REPORTS P933684 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7839.2 lumens  
Efficiency: N/A  
Efficacy: 101.0 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: Semi-Direct  
  
Input Watts (W): 77.6  
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



— 0°-180°    - - 45°-225°    - - - 90°-270°    - · - 135°-315°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	114	114	114	114	109	109	109	109	99	99	99	91	91	91	83	83	83	79			79
1	104	100	96	92	100	96	92	89	88	85	82	80	78	76	73	72	70	67			67
2	95	87	81	76	91	84	78	73	77	72	68	70	67	64	65	62	59	56			56
3	87	77	69	63	83	74	67	61	68	62	57	62	58	54	57	54	50	47			47
4	79	68	60	53	76	65	58	52	60	54	49	56	50	46	51	47	43	41			41
5	73	61	52	46	70	58	51	45	54	47	42	50	44	40	46	41	38	35			35
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33	31			31
7	62	50	41	35	59	48	40	34	44	38	33	41	35	31	38	33	30	27			27
8	58	45	37	31	55	44	36	31	40	34	29	38	32	28	35	30	26	24			24
9	54	41	33	28	52	40	33	27	37	31	26	35	29	25	32	27	24	22			22
10	51	38	30	25	48	37	30	25	34	28	24	32	27	23	30	25	22	20			20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	11069	11069	11069	11069
5°	11151	11173	11151	8786
10°	11077	11006	11077	7868
15°	10956	10768	10956	8991
20°	10728	10485	10728	9010
25°	10258	10073	10258	8819
30°	9652	9731	9652	8400
35°	8605	9299	8605	7939
40°	7170	8789	7170	7591
45°	6407	8193	6407	7191
50°	6806	7482	6806	6789
55°	6404	6716	6404	6557
60°	6601	5704	6601	6006
65°	5984	4715	5984	5270
70°	4143	3758	4143	4418
75°	3634	2778	3634	3326
80°	2929	1836	2929	2000
85°	1681	973	1681	826

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 9819 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	215.3	2.7
10°-20°	611.4	7.8
20°-30°	945.2	12.1
30°-40°	1128.3	14.4
40°-50°	1134.9	14.5
50°-60°	987.5	12.6
60°-70°	700.2	8.9
70°-80°	370.4	4.7
80°-90°	93.2	1.2
90°-100°	124.3	1.6
100°-110°	326.7	4.2
110°-120°	338.8	4.3
120°-130°	271.7	3.5
130°-140°	213.2	2.7
140°-150°	163.7	2.1
150°-160°	117.8	1.5
160°-170°	72.1	0.9
170°-180°	24.4	0.3
0°-30°	1771.9	22.6
0°-40°	2900.3	37.0
0°-60°	5022.7	64.1
0°-90°	6186.6	78.9
90°-120°	789.7	10.1
90°-150°	1438.3	18.3
90°-180°	1653.0	21.1
0°-180°	7839.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2386	2386	2386	2386	2386	
5°	2397	2471	2397	1943	2397	227
15°	2289	2449	2289	2045	2289	644
25°	2016	2284	2016	2000	2016	925
35°	1532	2038	1532	1740	1532	948
45°	989	1679	989	1474	989	792
55°	806	1239	806	1210	806	740
65°	560	747	560	835	560	535
75°	212	354	212	424	212	223
85°	36	90	36	77	36	49
90°	2	6	2	6	2	3
95°	16	75	16	75	16	18
105°	59	512	59	512	59	62
115°	104	659	104	659	104	103
125°	146	525	146	525	146	129
135°	173	407	173	407	173	134
145°	201	330	201	330	201	126
155°	227	284	227	284	227	104
165°	245	265	245	265	245	69
175°	255	257	255	257	255	24
180°	255	255	255	255	255	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7
2.5°	2406.0	2406.0	2419.5	2424.0	2424.0	2417.3	2410.5	2417.3	2437.6	2444.3	2442.1
5°	2396.9	2415.0	2439.8	2444.3	2448.9	2446.6	2442.1	2446.6	2469.2	2473.7	2475.9
7.5°	2378.9	2412.7	2444.3	2451.1	2457.9	2451.1	2448.9	2453.4	2475.9	2480.5	2480.5
10°	2356.3	2403.7	2439.8	2444.3	2451.1	2444.3	2444.3	2453.4	2475.9	2480.5	2482.7
12.5°	2324.7	2390.2	2424.0	2428.5	2437.6	2435.3	2433.1	2442.1	2464.7	2469.2	2469.2
15°	2288.6	2365.3	2396.9	2401.5	2417.3	2412.7	2412.7	2421.8	2446.6	2453.4	2451.1
17.5°	2238.9	2333.7	2369.9	2376.6	2387.9	2385.7	2387.9	2396.9	2419.5	2424.0	2426.3
20°	2182.6	2290.9	2333.7	2340.5	2351.8	2351.8	2351.8	2363.1	2385.7	2394.7	2394.7
22.5°	2105.8	2245.8	2290.9	2295.4	2308.9	2308.9	2313.4	2329.2	2349.5	2351.8	2351.8
25°	2015.5	2196.0	2234.4	2248.0	2261.6	2268.3	2275.1	2284.1	2290.9	2288.6	2290.9
27.5°	1920.7	2132.8	2182.6	2191.5	2209.6	2216.4	2225.4	2227.7	2230.0	2236.7	2232.2
30°	1814.6	2044.9	2119.3	2128.4	2157.7	2162.2	2153.2	2157.7	2169.0	2173.5	2178.0
32.5°	1695.0	1913.9	2053.9	2074.2	2101.2	2087.7	2085.4	2092.3	2110.3	2110.3	2114.8
35°	1532.5	1812.4	1992.9	2011.0	2031.3	2015.5	2024.5	2026.8	2038.1	2044.9	2042.6
37.5°	1354.2	1724.3	1929.7	1943.3	1959.1	1938.8	1952.3	1959.1	1968.1	1963.6	1963.6
40°	1196.2	1586.7	1855.3	1864.3	1877.8	1862.0	1875.6	1880.1	1884.6	1880.1	1877.8
42.5°	1078.8	1435.4	1776.2	1787.5	1778.6	1789.8	1794.4	1803.3	1796.6	1787.5	1787.5
45°	988.6	1394.8	1690.5	1704.1	1690.5	1708.6	1715.3	1715.3	1695.0	1690.5	1688.3
47.5°	959.3	1313.6	1604.7	1604.7	1598.0	1620.5	1631.8	1616.0	1595.7	1588.9	1588.9
50°	957.0	1223.3	1487.4	1478.3	1509.9	1537.0	1525.7	1509.9	1494.1	1469.3	1469.3
52.5°	869.0	1112.7	1336.1	1370.0	1419.6	1435.4	1417.4	1401.6	1374.5	1363.3	1354.2
55°	805.8	997.6	1198.5	1266.2	1318.1	1338.4	1304.5	1288.8	1248.1	1241.4	1236.9
57.5°	792.2	830.6	1072.1	1157.9	1221.1	1218.8	1198.5	1169.1	1135.3	1128.5	1126.3
60°	726.8	600.4	936.6	1038.2	1103.7	1096.9	1078.8	1051.8	1020.2	1015.6	1011.1
62.5°	659.0	435.6	783.1	898.3	990.8	988.6	972.8	932.1	909.6	898.3	889.2
65°	559.7	365.7	557.5	747.1	880.3	884.7	850.9	821.6	796.7	783.1	780.9
67.5°	426.6	297.9	376.9	622.9	774.2	769.7	726.8	713.2	681.6	674.8	661.3
70°	315.9	198.6	261.8	505.6	670.3	659.0	625.2	609.4	580.0	564.2	555.2
72.5°	261.8	160.2	191.8	392.7	564.2	550.7	521.4	503.3	478.5	464.9	455.9
75°	212.2	169.3	146.7	291.2	458.2	449.2	422.0	404.0	383.7	365.7	367.9
77.5°	155.7	158.0	117.4	214.4	363.3	349.9	334.0	311.5	302.4	284.4	284.4
80°	117.4	124.1	88.1	146.7	261.8	261.8	248.3	232.5	216.7	207.6	207.6
82.5°	79.0	79.0	65.4	92.5	178.3	171.5	162.5	158.0	149.0	144.4	144.4
85°	36.1	45.1	40.7	56.5	97.0	101.6	101.6	97.0	94.8	90.3	92.5
87.5°	11.3	20.3	24.9	31.6	49.6	51.9	54.2	54.2	54.2	56.5	56.5
90°	1.7	3.1	4.4	4.8	7.5	11.2	13.0	11.5	8.6	6.5	6.5
92.5°	6.8	18.4	30.2	33.1	46.5	64.3	73.2	64.1	46.1	32.5	31.3
95°	16.4	37.7	59.0	64.3	114.2	180.7	214.0	191.0	144.9	110.4	106.4
97.5°	28.4	47.2	65.9	70.6	153.8	264.8	320.3	305.8	276.7	254.8	247.4
100°	37.7	54.7	71.7	75.9	168.3	291.3	352.9	354.0	356.2	357.8	348.9
102.5°	45.5	61.4	77.3	81.2	174.9	299.8	362.2	380.8	417.8	445.7	438.1
105°	58.8	72.3	85.8	89.2	179.9	300.7	361.2	402.8	486.0	548.4	544.3
107.5°	72.5	85.1	97.6	100.8	180.7	287.3	340.6	398.6	514.7	601.7	602.8
110°	81.8	93.1	104.5	107.3	179.4	275.5	323.5	388.4	518.1	615.4	619.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	90.9	101.6	112.4	115.1	179.5	265.1	308.0	374.4	507.1	606.7	613.3
115°	104.5	114.5	124.4	126.9	181.1	253.2	289.3	353.3	481.2	577.1	586.2
117.5°	118.0	127.1	136.1	138.5	184.5	245.8	276.5	334.2	449.6	536.2	546.3
120°	125.9	134.4	143.0	145.1	187.2	243.3	271.4	324.1	429.5	508.6	518.4
122.5°	133.6	142.2	150.8	153.0	191.2	242.0	267.4	314.9	409.9	481.1	490.8
125°	145.5	153.3	161.1	163.1	196.4	240.9	263.2	303.5	384.2	444.7	453.5
127.5°	155.0	162.9	170.8	172.8	201.7	240.3	259.6	294.2	363.5	415.4	423.0
130°	160.1	168.7	177.1	179.3	205.6	240.7	258.2	289.0	350.7	396.9	403.8
132.5°	165.4	174.0	182.4	184.6	208.7	240.9	257.0	284.6	339.8	381.2	387.4
135°	173.3	181.1	188.8	190.8	212.2	240.7	255.0	278.1	324.3	359.0	364.3
137.5°	181.3	189.0	196.7	198.7	217.3	242.1	254.6	274.2	313.2	342.5	346.9
140°	188.0	195.1	202.2	204.0	220.5	242.4	253.4	270.3	304.1	329.4	333.5
142.5°	193.2	199.7	206.3	207.9	223.1	243.3	253.4	268.3	297.9	320.1	323.6
145°	201.1	206.8	212.4	213.9	226.5	243.3	251.7	263.8	288.1	306.3	308.9
147.5°	208.9	214.5	220.0	221.4	231.5	245.0	251.7	261.3	280.3	294.6	296.8
150°	214.0	219.1	224.0	225.3	234.1	245.8	251.7	259.7	275.9	287.9	289.7
152.5°	219.3	223.1	226.9	227.9	235.8	246.4	251.7	258.5	272.3	282.6	284.0
155°	227.2	230.0	232.8	233.5	239.6	247.7	251.7	257.2	268.1	276.3	277.2
157.5°	233.0	235.7	238.5	239.2	243.3	248.9	251.7	256.0	264.4	270.8	271.4
160°	236.9	239.1	241.2	241.7	245.0	249.5	251.7	255.4	262.6	268.1	268.5
162.5°	240.9	242.5	244.0	244.5	246.8	250.1	251.7	254.8	260.9	265.5	265.9
165°	245.2	246.7	248.1	248.5	249.6	251.0	251.7	253.9	258.3	261.6	262.0
167.5°	249.1	249.8	250.5	250.7	251.6	252.8	253.4	254.9	257.8	259.9	260.1
170°	251.7	252.4	253.1	253.2	253.3	253.4	253.4	254.9	257.8	259.9	259.9
172.5°	253.1	253.2	253.4	253.4	253.4	253.4	253.4	254.5	256.8	258.5	258.4
175°	255.0	255.0	255.0	255.0	254.4	253.8	253.4	254.1	255.6	256.7	256.7
177.5°	255.0	255.0	255.0	255.0	254.5	254.0	253.8	254.4	255.5	256.3	256.2
180°	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7
2.5°	2446.6	2439.8	2446.6	2442.1	2444.3	2437.6	2417.3	2410.5	2417.3	2424.0	2424.0
5°	2475.9	2471.4	2475.9	2475.9	2473.7	2469.2	2446.6	2442.1	2446.6	2448.9	2444.3
7.5°	2485.0	2478.2	2485.0	2480.5	2480.5	2475.9	2453.4	2448.9	2451.1	2457.9	2451.1
10°	2485.0	2478.2	2485.0	2482.7	2480.5	2475.9	2453.4	2444.3	2444.3	2451.1	2444.3
12.5°	2473.7	2469.2	2473.7	2469.2	2469.2	2464.7	2442.1	2433.1	2435.3	2437.6	2428.5
15°	2455.6	2448.9	2455.6	2451.1	2453.4	2446.6	2421.8	2412.7	2412.7	2417.3	2401.5
17.5°	2428.5	2419.5	2428.5	2426.3	2424.0	2419.5	2396.9	2387.9	2385.7	2387.9	2376.6
20°	2396.9	2390.2	2396.9	2394.7	2394.7	2385.7	2363.1	2351.8	2351.8	2351.8	2340.5
22.5°	2347.3	2340.5	2347.3	2351.8	2351.8	2349.5	2329.2	2313.4	2308.9	2308.9	2295.4
25°	2290.9	2284.1	2290.9	2290.9	2288.6	2290.9	2284.1	2275.1	2268.3	2261.6	2248.0
27.5°	2236.7	2232.2	2236.7	2232.2	2236.7	2230.0	2227.7	2225.4	2216.4	2209.6	2191.5
30°	2182.6	2178.0	2182.6	2178.0	2173.5	2169.0	2157.7	2153.2	2162.2	2157.7	2128.4
32.5°	2114.8	2110.3	2114.8	2114.8	2110.3	2110.3	2092.3	2085.4	2087.7	2101.2	2074.2
35°	2044.9	2038.1	2044.9	2042.6	2044.9	2038.1	2026.8	2024.5	2015.5	2031.3	2011.0
37.5°	1963.6	1956.8	1963.6	1963.6	1963.6	1968.1	1959.1	1952.3	1938.8	1959.1	1943.3
40°	1880.1	1871.1	1880.1	1877.8	1880.1	1884.6	1880.1	1875.6	1862.0	1877.8	1864.3
42.5°	1785.3	1783.1	1785.3	1787.5	1787.5	1796.6	1803.3	1794.4	1789.8	1778.6	1787.5
45°	1683.7	1679.2	1683.7	1688.3	1690.5	1695.0	1715.3	1715.3	1708.6	1690.5	1704.1
47.5°	1575.4	1564.1	1575.4	1588.9	1588.9	1595.7	1616.0	1631.8	1620.5	1598.0	1604.7
50°	1460.3	1462.5	1460.3	1469.3	1469.3	1494.1	1509.9	1525.7	1537.0	1509.9	1478.3
52.5°	1347.5	1345.2	1347.5	1354.2	1363.3	1374.5	1401.6	1417.4	1435.4	1419.6	1370.0
55°	1234.6	1239.1	1234.6	1236.9	1241.4	1248.1	1288.8	1304.5	1338.4	1318.1	1266.2
57.5°	1121.7	1115.0	1121.7	1126.3	1128.5	1135.3	1169.1	1198.5	1218.8	1221.1	1157.9
60°	990.8	981.8	990.8	1011.1	1015.6	1020.2	1051.8	1078.8	1096.9	1103.7	1038.2
62.5°	875.7	859.9	875.7	889.2	898.3	909.6	932.1	972.8	988.6	990.8	898.3
65°	753.9	747.1	753.9	780.9	783.1	796.7	821.6	850.9	884.7	880.3	747.1
67.5°	643.2	643.2	643.2	661.3	674.8	681.6	713.2	726.8	769.7	774.2	622.9
70°	541.7	539.5	541.7	555.2	564.2	580.0	609.4	625.2	659.0	670.3	505.6
72.5°	444.7	442.4	444.7	455.9	464.9	478.5	503.3	521.4	550.7	564.2	392.7
75°	358.9	354.4	358.9	367.9	365.7	383.7	404.0	422.0	449.2	458.2	291.2
77.5°	275.4	275.4	275.4	284.4	284.4	302.4	311.5	334.0	349.9	363.3	214.4
80°	205.4	203.1	205.4	207.6	207.6	216.7	232.5	248.3	261.8	261.8	146.7
82.5°	144.4	139.9	144.4	144.4	144.4	149.0	158.0	162.5	171.5	178.3	92.5
85°	90.3	90.3	90.3	92.5	90.3	94.8	97.0	101.6	101.6	97.0	56.5
87.5°	58.7	56.5	58.7	56.5	56.5	54.2	54.2	54.2	51.9	49.6	31.6
90°	6.5	6.5	6.5	6.5	6.5	8.6	11.5	13.0	11.2	7.5	4.8
92.5°	26.1	20.8	26.1	31.3	32.5	46.1	64.1	73.2	64.3	46.5	33.1
95°	90.8	75.1	90.8	106.4	110.4	144.9	191.0	214.0	180.7	114.2	64.3
97.5°	217.5	187.7	217.5	247.4	254.8	276.7	305.8	320.3	264.8	153.8	70.6
100°	313.4	277.8	313.4	348.9	357.8	356.2	354.0	352.9	291.3	168.3	75.9
102.5°	407.7	377.3	407.7	438.1	445.7	417.8	380.8	362.2	299.8	174.9	81.2
105°	527.9	511.5	527.9	544.3	548.4	486.0	402.8	361.2	300.7	179.9	89.2
107.5°	606.7	610.6	606.7	602.8	601.7	514.7	398.6	340.6	287.3	180.7	100.8
110°	636.7	653.7	636.7	619.7	615.4	518.1	388.4	323.5	275.5	179.4	107.3





TEST NUMBER: P934043

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	639.4	665.5	639.4	613.3	606.7	507.1	374.4	308.0	265.1	179.5	115.1
115°	622.5	658.7	622.5	586.2	577.1	481.2	353.3	289.3	253.2	181.1	126.9
117.5°	586.5	626.8	586.5	546.3	536.2	449.6	334.2	276.5	245.8	184.5	138.5
120°	557.5	596.6	557.5	518.4	508.6	429.5	324.1	271.4	243.3	187.2	145.1
122.5°	529.3	567.8	529.3	490.8	481.1	409.9	314.9	267.4	242.0	191.2	153.0
125°	489.1	524.6	489.1	453.5	444.7	384.2	303.5	263.2	240.9	196.4	163.1
127.5°	452.9	482.8	452.9	423.0	415.4	363.5	294.2	259.6	240.3	201.7	172.8
130°	431.5	459.2	431.5	403.8	396.9	350.7	289.0	258.2	240.7	205.6	179.3
132.5°	412.2	437.0	412.2	387.4	381.2	339.8	284.6	257.0	240.9	208.7	184.6
135°	385.6	407.0	385.6	364.3	359.0	324.3	278.1	255.0	240.7	212.2	190.8
137.5°	364.4	381.9	364.4	346.9	342.5	313.2	274.2	254.6	242.1	217.3	198.7
140°	349.8	366.2	349.8	333.5	329.4	304.1	270.3	253.4	242.4	220.5	204.0
142.5°	337.7	351.7	337.7	323.6	320.1	297.9	268.3	253.4	243.3	223.1	207.9
145°	319.6	330.2	319.6	308.9	306.3	288.1	263.8	251.7	243.3	226.5	213.9
147.5°	305.6	314.5	305.6	296.8	294.6	280.3	261.3	251.7	245.0	231.5	221.4
150°	296.9	304.1	296.9	289.7	287.9	275.9	259.7	251.7	245.8	234.1	225.3
152.5°	289.4	294.8	289.4	284.0	282.6	272.3	258.5	251.7	246.4	235.8	227.9
155°	280.8	284.3	280.8	277.2	276.3	268.1	257.2	251.7	247.7	239.6	233.5
157.5°	274.0	276.5	274.0	271.4	270.8	264.4	256.0	251.7	248.9	243.3	239.2
160°	269.9	271.4	269.9	268.5	268.1	262.6	255.4	251.7	249.5	245.0	241.7
162.5°	267.3	268.6	267.3	265.9	265.5	260.9	254.8	251.7	250.1	246.8	244.5
165°	263.4	264.9	263.4	262.0	261.6	258.3	253.9	251.7	251.0	249.6	248.5
167.5°	260.7	261.3	260.7	260.1	259.9	257.8	254.9	253.4	252.8	251.6	250.7
170°	259.9	259.9	259.9	259.9	259.9	257.8	254.9	253.4	253.4	253.3	253.2
172.5°	257.9	257.3	257.9	258.4	258.5	256.8	254.5	253.4	253.4	253.4	253.4
175°	256.7	256.7	256.7	256.7	256.7	255.6	254.1	253.4	253.8	254.4	255.0
177.5°	255.6	255.0	255.6	256.2	256.3	255.5	254.4	253.8	254.0	254.5	255.0
180°	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0



TEST NUMBER: P934043

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7
2.5°	2419.5	2406.0	2406.0	2383.4	2374.4	2367.6	2356.3	2322.5	2313.4	2304.4	2317.9
5°	2439.8	2415.0	2396.9	2356.3	2322.5	2308.9	2266.0	2184.8	2130.6	2090.0	2067.4
7.5°	2444.3	2412.7	2378.9	2315.7	2234.4	2198.4	2067.4	1918.5	1877.8	1841.8	1819.1
10°	2439.8	2403.7	2356.3	2261.6	2069.6	2006.5	1875.6	1778.6	1753.7	1746.9	1753.7
12.5°	2424.0	2390.2	2324.7	2166.8	1898.1	1855.3	1778.6	1722.1	1717.6	1728.8	1789.8
15°	2396.9	2365.3	2288.6	2040.3	1803.3	1771.7	1717.6	1697.2	1722.1	1801.1	1983.9
17.5°	2369.9	2333.7	2238.9	1916.2	1731.1	1708.6	1670.2	1710.8	1850.7	1956.8	2017.8
20°	2333.7	2290.9	2182.6	1826.0	1679.2	1658.9	1640.9	1823.6	1929.7	1968.1	2002.0
22.5°	2290.9	2245.8	2105.8	1762.7	1625.1	1609.3	1620.5	1886.9	1929.7	1956.8	1986.2
25°	2234.4	2196.0	2015.5	1713.0	1582.2	1564.1	1607.0	1880.1	1904.9	1911.7	1970.4
27.5°	2182.6	2132.8	1920.7	1667.9	1530.3	1523.5	1618.3	1850.7	1868.8	1875.6	1938.8
30°	2119.3	2044.9	1814.6	1620.5	1476.1	1473.8	1620.5	1814.6	1810.2	1828.2	1891.4
32.5°	2053.9	1913.9	1695.0	1561.9	1424.2	1422.0	1604.7	1760.4	1755.9	1780.8	1828.2
35°	1992.9	1812.4	1532.5	1494.1	1358.7	1361.0	1566.4	1697.2	1699.5	1722.1	1751.5
37.5°	1929.7	1724.3	1354.2	1419.6	1295.5	1295.5	1514.5	1638.6	1634.1	1640.9	1681.4
40°	1855.3	1586.7	1196.2	1322.6	1236.9	1230.0	1451.2	1575.4	1559.6	1557.3	1613.8
42.5°	1776.2	1435.4	1078.8	1194.0	1169.1	1160.1	1374.5	1498.7	1469.3	1476.1	1548.3
45°	1690.5	1394.8	988.6	1008.9	1099.2	1092.4	1291.0	1410.6	1390.3	1408.4	1482.9
47.5°	1604.7	1313.6	959.3	837.4	1024.7	1022.4	1198.5	1324.8	1313.6	1331.7	1410.6
50°	1487.4	1223.3	957.0	717.7	941.2	950.2	1087.9	1241.4	1241.4	1257.2	1340.6
52.5°	1336.1	1112.7	869.0	650.0	844.1	871.2	990.8	1169.1	1173.7	1189.5	1263.9
55°	1198.5	997.6	805.8	598.1	729.0	787.7	896.1	1094.7	1103.7	1119.5	1187.2
57.5°	1072.1	830.6	792.2	537.2	622.9	679.4	812.5	1022.4	1026.9	1040.5	1105.9
60°	936.6	600.4	726.8	471.7	530.4	573.3	735.7	936.6	952.4	961.5	1017.9
62.5°	783.1	435.6	659.0	426.6	485.2	494.3	672.6	855.4	875.7	882.5	916.3
65°	557.5	365.7	559.7	388.2	437.8	440.1	604.9	771.9	790.0	801.3	826.0
67.5°	376.9	297.9	426.6	352.1	401.8	404.0	539.5	674.8	699.7	708.7	724.5
70°	261.8	198.6	315.9	313.7	361.1	365.7	469.4	586.8	609.4	616.2	625.2
72.5°	191.8	160.2	261.8	282.1	318.2	322.8	397.3	487.5	510.1	516.8	521.4
75°	146.7	169.3	212.2	246.0	270.8	273.1	325.0	397.3	413.1	417.6	419.8
77.5°	117.4	158.0	155.7	198.6	221.2	216.7	255.0	307.0	320.5	320.5	320.5
80°	88.1	124.1	117.4	142.2	162.5	158.0	182.8	218.9	223.4	228.0	225.7
82.5°	65.4	79.0	79.0	90.3	108.3	103.9	121.9	142.2	142.2	142.2	146.7
85°	40.7	45.1	36.1	47.4	60.9	58.7	67.7	76.7	79.0	79.0	74.5
87.5°	24.9	20.3	11.3	18.0	27.1	27.1	31.6	33.8	31.6	31.6	31.6
90°	4.4	3.1	1.7	3.1	4.4	4.8	7.5	11.2	13.0	11.5	8.6
92.5°	30.2	18.4	6.8	18.4	30.2	33.1	46.5	64.3	73.2	64.1	46.1
95°	59.0	37.7	16.4	37.7	59.0	64.3	114.2	180.7	214.0	191.0	144.9
97.5°	65.9	47.2	28.4	47.2	65.9	70.6	153.8	264.8	320.3	305.8	276.7
100°	71.7	54.7	37.7	54.7	71.7	75.9	168.3	291.3	352.9	354.0	356.2
102.5°	77.3	61.4	45.5	61.4	77.3	81.2	174.9	299.8	362.2	380.8	417.8
105°	85.8	72.3	58.8	72.3	85.8	89.2	179.9	300.7	361.2	402.8	486.0
107.5°	97.6	85.1	72.5	85.1	97.6	100.8	180.7	287.3	340.6	398.6	514.7
110°	104.5	93.1	81.8	93.1	104.5	107.3	179.4	275.5	323.5	388.4	518.1



TEST NUMBER: P934043

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	112.4	101.6	90.9	101.6	112.4	115.1	179.5	265.1	308.0	374.4	507.1
115°	124.4	114.5	104.5	114.5	124.4	126.9	181.1	253.2	289.3	353.3	481.2
117.5°	136.1	127.1	118.0	127.1	136.1	138.5	184.5	245.8	276.5	334.2	449.6
120°	143.0	134.4	125.9	134.4	143.0	145.1	187.2	243.3	271.4	324.1	429.5
122.5°	150.8	142.2	133.6	142.2	150.8	153.0	191.2	242.0	267.4	314.9	409.9
125°	161.1	153.3	145.5	153.3	161.1	163.1	196.4	240.9	263.2	303.5	384.2
127.5°	170.8	162.9	155.0	162.9	170.8	172.8	201.7	240.3	259.6	294.2	363.5
130°	177.1	168.7	160.1	168.7	177.1	179.3	205.6	240.7	258.2	289.0	350.7
132.5°	182.4	174.0	165.4	174.0	182.4	184.6	208.7	240.9	257.0	284.6	339.8
135°	188.8	181.1	173.3	181.1	188.8	190.8	212.2	240.7	255.0	278.1	324.3
137.5°	196.7	189.0	181.3	189.0	196.7	198.7	217.3	242.1	254.6	274.2	313.2
140°	202.2	195.1	188.0	195.1	202.2	204.0	220.5	242.4	253.4	270.3	304.1
142.5°	206.3	199.7	193.2	199.7	206.3	207.9	223.1	243.3	253.4	268.3	297.9
145°	212.4	206.8	201.1	206.8	212.4	213.9	226.5	243.3	251.7	263.8	288.1
147.5°	220.0	214.5	208.9	214.5	220.0	221.4	231.5	245.0	251.7	261.3	280.3
150°	224.0	219.1	214.0	219.1	224.0	225.3	234.1	245.8	251.7	259.7	275.9
152.5°	226.9	223.1	219.3	223.1	226.9	227.9	235.8	246.4	251.7	258.5	272.3
155°	232.8	230.0	227.2	230.0	232.8	233.5	239.6	247.7	251.7	257.2	268.1
157.5°	238.5	235.7	233.0	235.7	238.5	239.2	243.3	248.9	251.7	256.0	264.4
160°	241.2	239.1	236.9	239.1	241.2	241.7	245.0	249.5	251.7	255.4	262.6
162.5°	244.0	242.5	240.9	242.5	244.0	244.5	246.8	250.1	251.7	254.8	260.9
165°	248.1	246.7	245.2	246.7	248.1	248.5	249.6	251.0	251.7	253.9	258.3
167.5°	250.5	249.8	249.1	249.8	250.5	250.7	251.6	252.8	253.4	254.9	257.8
170°	253.1	252.4	251.7	252.4	253.1	253.2	253.3	253.4	253.4	254.9	257.8
172.5°	253.4	253.2	253.1	253.2	253.4	253.4	253.4	253.4	253.4	254.5	256.8
175°	255.0	255.0	255.0	255.0	255.0	255.0	254.4	253.8	253.4	254.1	255.6
177.5°	255.0	255.0	255.0	255.0	255.0	255.0	254.5	254.0	253.8	254.4	255.5
180°	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0



TEST NUMBER: P934043

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7	2385.7
2.5°	2302.1	2295.4	2304.4	2279.6	2304.4	2295.4	2302.1	2317.9	2304.4	2313.4	2322.5
5°	2020.0	2008.7	1972.6	1943.3	1972.6	2008.7	2020.0	2067.4	2090.0	2130.6	2184.8
7.5°	1805.6	1796.6	1787.5	1769.5	1787.5	1796.6	1805.6	1819.1	1841.8	1877.8	1918.5
10°	1758.2	1760.4	1774.0	1771.7	1774.0	1760.4	1758.2	1753.7	1746.9	1753.7	1778.6
12.5°	1880.1	1900.4	1974.9	1970.4	1974.9	1900.4	1880.1	1789.8	1728.8	1717.6	1722.1
15°	2020.0	2026.8	2042.6	2044.9	2042.6	2026.8	2020.0	1983.9	1801.1	1722.1	1697.2
17.5°	2033.6	2035.8	2047.1	2047.1	2047.1	2035.8	2033.6	2017.8	1956.8	1850.7	1710.8
20°	2022.3	2026.8	2049.4	2053.9	2049.4	2026.8	2022.3	2002.0	1968.1	1929.7	1823.6
22.5°	2017.8	2026.8	2044.9	2042.6	2044.9	2026.8	2017.8	1986.2	1956.8	1929.7	1886.9
25°	1995.2	1995.2	1997.5	1999.7	1997.5	1995.2	1995.2	1970.4	1911.7	1904.9	1880.1
27.5°	1947.8	1952.3	1965.9	1963.6	1965.9	1952.3	1947.8	1938.8	1875.6	1868.8	1850.7
30°	1904.9	1900.4	1889.1	1880.1	1889.1	1900.4	1904.9	1891.4	1828.2	1810.2	1814.6
32.5°	1832.7	1821.4	1810.2	1803.3	1810.2	1821.4	1832.7	1828.2	1780.8	1755.9	1760.4
35°	1746.9	1749.2	1746.9	1740.1	1746.9	1749.2	1746.9	1751.5	1722.1	1699.5	1697.2
37.5°	1686.0	1690.5	1688.3	1679.2	1688.3	1690.5	1686.0	1681.4	1640.9	1634.1	1638.6
40°	1622.8	1625.1	1622.8	1616.0	1622.8	1625.1	1622.8	1613.8	1557.3	1559.6	1575.4
42.5°	1561.9	1559.6	1552.8	1548.3	1552.8	1559.6	1561.9	1548.3	1476.1	1469.3	1498.7
45°	1491.9	1494.1	1480.6	1473.8	1480.6	1494.1	1491.9	1482.9	1408.4	1390.3	1410.6
47.5°	1422.0	1422.0	1410.6	1403.8	1410.6	1422.0	1422.0	1410.6	1331.7	1313.6	1324.8
50°	1347.5	1345.2	1329.4	1327.1	1329.4	1345.2	1347.5	1340.6	1257.2	1241.4	1241.4
52.5°	1261.6	1261.6	1263.9	1268.5	1263.9	1261.6	1261.6	1263.9	1189.5	1173.7	1169.1
55°	1187.2	1189.5	1205.3	1209.8	1205.3	1189.5	1187.2	1187.2	1119.5	1103.7	1094.7
57.5°	1110.5	1110.5	1121.7	1121.7	1121.7	1110.5	1110.5	1105.9	1040.5	1026.9	1022.4
60°	1022.4	1026.9	1036.0	1033.8	1036.0	1026.9	1022.4	1017.9	961.5	952.4	936.6
62.5°	929.9	934.4	936.6	932.1	936.6	934.4	929.9	916.3	882.5	875.7	855.4
65°	832.9	837.4	839.6	835.1	839.6	837.4	832.9	826.0	801.3	790.0	771.9
67.5°	733.5	731.3	729.0	738.1	729.0	731.3	733.5	724.5	708.7	699.7	674.8
70°	632.0	632.0	629.7	634.2	629.7	632.0	632.0	625.2	616.2	609.4	586.8
72.5°	523.7	521.4	530.4	523.7	530.4	521.4	523.7	521.4	516.8	510.1	487.5
75°	417.6	422.0	417.6	424.3	417.6	422.0	417.6	419.8	417.6	413.1	397.3
77.5°	318.2	322.8	318.2	318.2	318.2	322.8	318.2	320.5	320.5	320.5	307.0
80°	225.7	223.4	223.4	221.2	223.4	223.4	225.7	225.7	228.0	223.4	218.9
82.5°	144.4	142.2	142.2	146.7	142.2	142.2	144.4	146.7	142.2	142.2	142.2
85°	79.0	81.2	76.7	76.7	76.7	81.2	79.0	74.5	79.0	79.0	76.7
87.5°	29.4	27.1	27.1	27.1	27.1	27.1	29.4	31.6	31.6	31.6	33.8
90°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	8.6	11.5	13.0	11.2
92.5°	32.5	31.3	26.1	20.8	26.1	31.3	32.5	46.1	64.1	73.2	64.3
95°	110.4	106.4	90.8	75.1	90.8	106.4	110.4	144.9	191.0	214.0	180.7
97.5°	254.8	247.4	217.5	187.7	217.5	247.4	254.8	276.7	305.8	320.3	264.8
100°	357.8	348.9	313.4	277.8	313.4	348.9	357.8	356.2	354.0	352.9	291.3
102.5°	445.7	438.1	407.7	377.3	407.7	438.1	445.7	417.8	380.8	362.2	299.8
105°	548.4	544.3	527.9	511.5	527.9	544.3	548.4	486.0	402.8	361.2	300.7
107.5°	601.7	602.8	606.7	610.6	606.7	602.8	601.7	514.7	398.6	340.6	287.3
110°	615.4	619.7	636.7	653.7	636.7	619.7	615.4	518.1	388.4	323.5	275.5



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	606.7	613.3	639.4	665.5	639.4	613.3	606.7	507.1	374.4	308.0	265.1
115°	577.1	586.2	622.5	658.7	622.5	586.2	577.1	481.2	353.3	289.3	253.2
117.5°	536.2	546.3	586.5	626.8	586.5	546.3	536.2	449.6	334.2	276.5	245.8
120°	508.6	518.4	557.5	596.6	557.5	518.4	508.6	429.5	324.1	271.4	243.3
122.5°	481.1	490.8	529.3	567.8	529.3	490.8	481.1	409.9	314.9	267.4	242.0
125°	444.7	453.5	489.1	524.6	489.1	453.5	444.7	384.2	303.5	263.2	240.9
127.5°	415.4	423.0	452.9	482.8	452.9	423.0	415.4	363.5	294.2	259.6	240.3
130°	396.9	403.8	431.5	459.2	431.5	403.8	396.9	350.7	289.0	258.2	240.7
132.5°	381.2	387.4	412.2	437.0	412.2	387.4	381.2	339.8	284.6	257.0	240.9
135°	359.0	364.3	385.6	407.0	385.6	364.3	359.0	324.3	278.1	255.0	240.7
137.5°	342.5	346.9	364.4	381.9	364.4	346.9	342.5	313.2	274.2	254.6	242.1
140°	329.4	333.5	349.8	366.2	349.8	333.5	329.4	304.1	270.3	253.4	242.4
142.5°	320.1	323.6	337.7	351.7	337.7	323.6	320.1	297.9	268.3	253.4	243.3
145°	306.3	308.9	319.6	330.2	319.6	308.9	306.3	288.1	263.8	251.7	243.3
147.5°	294.6	296.8	305.6	314.5	305.6	296.8	294.6	280.3	261.3	251.7	245.0
150°	287.9	289.7	296.9	304.1	296.9	289.7	287.9	275.9	259.7	251.7	245.8
152.5°	282.6	284.0	289.4	294.8	289.4	284.0	282.6	272.3	258.5	251.7	246.4
155°	276.3	277.2	280.8	284.3	280.8	277.2	276.3	268.1	257.2	251.7	247.7
157.5°	270.8	271.4	274.0	276.5	274.0	271.4	270.8	264.4	256.0	251.7	248.9
160°	268.1	268.5	269.9	271.4	269.9	268.5	268.1	262.6	255.4	251.7	249.5
162.5°	265.5	265.9	267.3	268.6	267.3	265.9	265.5	260.9	254.8	251.7	250.1
165°	261.6	262.0	263.4	264.9	263.4	262.0	261.6	258.3	253.9	251.7	251.0
167.5°	259.9	260.1	260.7	261.3	260.7	260.1	259.9	257.8	254.9	253.4	252.8
170°	259.9	259.9	259.9	259.9	259.9	259.9	259.9	257.8	254.9	253.4	253.4
172.5°	258.5	258.4	257.9	257.3	257.9	258.4	258.5	256.8	254.5	253.4	253.4
175°	256.7	256.7	256.7	256.7	256.7	256.7	256.7	255.6	254.1	253.4	253.8
177.5°	256.3	256.2	255.6	255.0	255.6	256.2	256.3	255.5	254.4	253.8	254.0
180°	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2385.7	2385.7	2385.7	2385.7	2385.7
2.5°	2356.3	2367.6	2374.4	2383.4	2406.0
5°	2266.0	2308.9	2322.5	2356.3	2396.9
7.5°	2067.4	2198.4	2234.4	2315.7	2378.9
10°	1875.6	2006.5	2069.6	2261.6	2356.3
12.5°	1778.6	1855.3	1898.1	2166.8	2324.7
15°	1717.6	1771.7	1803.3	2040.3	2288.6
17.5°	1670.2	1708.6	1731.1	1916.2	2238.9
20°	1640.9	1658.9	1679.2	1826.0	2182.6
22.5°	1620.5	1609.3	1625.1	1762.7	2105.8
25°	1607.0	1564.1	1582.2	1713.0	2015.5
27.5°	1618.3	1523.5	1530.3	1667.9	1920.7
30°	1620.5	1473.8	1476.1	1620.5	1814.6
32.5°	1604.7	1422.0	1424.2	1561.9	1695.0
35°	1566.4	1361.0	1358.7	1494.1	1532.5
37.5°	1514.5	1295.5	1295.5	1419.6	1354.2
40°	1451.2	1230.0	1236.9	1322.6	1196.2
42.5°	1374.5	1160.1	1169.1	1194.0	1078.8
45°	1291.0	1092.4	1099.2	1008.9	988.6
47.5°	1198.5	1022.4	1024.7	837.4	959.3
50°	1087.9	950.2	941.2	717.7	957.0
52.5°	990.8	871.2	844.1	650.0	869.0
55°	896.1	787.7	729.0	598.1	805.8
57.5°	812.5	679.4	622.9	537.2	792.2
60°	735.7	573.3	530.4	471.7	726.8
62.5°	672.6	494.3	485.2	426.6	659.0
65°	604.9	440.1	437.8	388.2	559.7
67.5°	539.5	404.0	401.8	352.1	426.6
70°	469.4	365.7	361.1	313.7	315.9
72.5°	397.3	322.8	318.2	282.1	261.8
75°	325.0	273.1	270.8	246.0	212.2
77.5°	255.0	216.7	221.2	198.6	155.7
80°	182.8	158.0	162.5	142.2	117.4
82.5°	121.9	103.9	108.3	90.3	79.0
85°	67.7	58.7	60.9	47.4	36.1
87.5°	31.6	27.1	27.1	18.0	11.3
90°	7.5	4.8	4.4	3.1	1.7
92.5°	46.5	33.1	30.2	18.4	6.8
95°	114.2	64.3	59.0	37.7	16.4
97.5°	153.8	70.6	65.9	47.2	28.4
100°	168.3	75.9	71.7	54.7	37.7
102.5°	174.9	81.2	77.3	61.4	45.5
105°	179.9	89.2	85.8	72.3	58.8
107.5°	180.7	100.8	97.6	85.1	72.5
110°	179.4	107.3	104.5	93.1	81.8



TEST NUMBER: P934043

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	179.5	115.1	112.4	101.6	90.9
115°	181.1	126.9	124.4	114.5	104.5
117.5°	184.5	138.5	136.1	127.1	118.0
120°	187.2	145.1	143.0	134.4	125.9
122.5°	191.2	153.0	150.8	142.2	133.6
125°	196.4	163.1	161.1	153.3	145.5
127.5°	201.7	172.8	170.8	162.9	155.0
130°	205.6	179.3	177.1	168.7	160.1
132.5°	208.7	184.6	182.4	174.0	165.4
135°	212.2	190.8	188.8	181.1	173.3
137.5°	217.3	198.7	196.7	189.0	181.3
140°	220.5	204.0	202.2	195.1	188.0
142.5°	223.1	207.9	206.3	199.7	193.2
145°	226.5	213.9	212.4	206.8	201.1
147.5°	231.5	221.4	220.0	214.5	208.9
150°	234.1	225.3	224.0	219.1	214.0
152.5°	235.8	227.9	226.9	223.1	219.3
155°	239.6	233.5	232.8	230.0	227.2
157.5°	243.3	239.2	238.5	235.7	233.0
160°	245.0	241.7	241.2	239.1	236.9
162.5°	246.8	244.5	244.0	242.5	240.9
165°	249.6	248.5	248.1	246.7	245.2
167.5°	251.6	250.7	250.5	249.8	249.1
170°	253.3	253.2	253.1	252.4	251.7
172.5°	253.4	253.4	253.4	253.2	253.1
175°	254.4	255.0	255.0	255.0	255.0
177.5°	254.5	255.0	255.0	255.0	255.0
180°	255.0	255.0	255.0	255.0	255.0



TEST NUMBER: P934043  
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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	15.49	16.69	16.16	17.37	18.16	18.33	19.53	18.99	20.21	21.00
	3H	16.00	17.07	16.67	17.76	18.58	19.70	20.78	20.38	21.47	22.29
	4H	16.20	17.22	16.90	17.92	18.75	20.17	21.18	20.86	21.88	22.72
	6H	16.34	17.28	17.05	17.99	18.84	20.47	21.41	21.18	22.12	22.97
	8H	16.35	17.24	17.07	17.97	18.83	20.56	21.45	21.27	22.18	23.03
	12H	16.33	17.18	17.06	17.91	18.79	20.61	21.46	21.33	22.18	23.06
4H	2H	16.57	17.58	17.27	18.28	19.12	18.78	19.80	19.48	20.50	21.33
	3H	17.63	18.47	18.34	19.21	20.06	20.32	21.17	21.03	21.90	22.76
	4H	17.92	18.69	18.64	19.42	20.31	20.86	21.63	21.59	22.37	23.25
	6H	18.06	18.73	18.81	19.49	20.38	21.25	21.92	22.00	22.68	23.57
	8H	18.07	18.70	18.83	19.46	20.36	21.37	21.99	22.12	22.75	23.65
	12H	18.06	18.62	18.83	19.40	20.31	21.44	22.00	22.21	22.78	23.69
8H	4H	18.40	19.02	19.15	19.78	20.69	21.01	21.64	21.77	22.40	23.30
	6H	18.67	19.19	19.45	19.99	20.90	21.47	21.98	22.25	22.79	23.69
	8H	18.72	19.18	19.51	19.98	20.90	21.62	22.08	22.42	22.89	23.81
	12H	18.72	19.12	19.51	19.92	20.90	21.74	22.14	22.53	22.94	23.92
12H	4H	18.42	18.98	19.19	19.76	20.67	21.00	21.55	21.77	22.34	23.25
	6H	18.74	19.20	19.53	20.00	20.92	21.47	21.93	22.26	22.73	23.65
	8H	18.82	19.23	19.61	20.02	21.00	21.65	22.05	22.44	22.84	23.82