

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: P934142

Luminaire Tested: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-6-6500K

Issue Date: 12/17/2024

**Test Information**

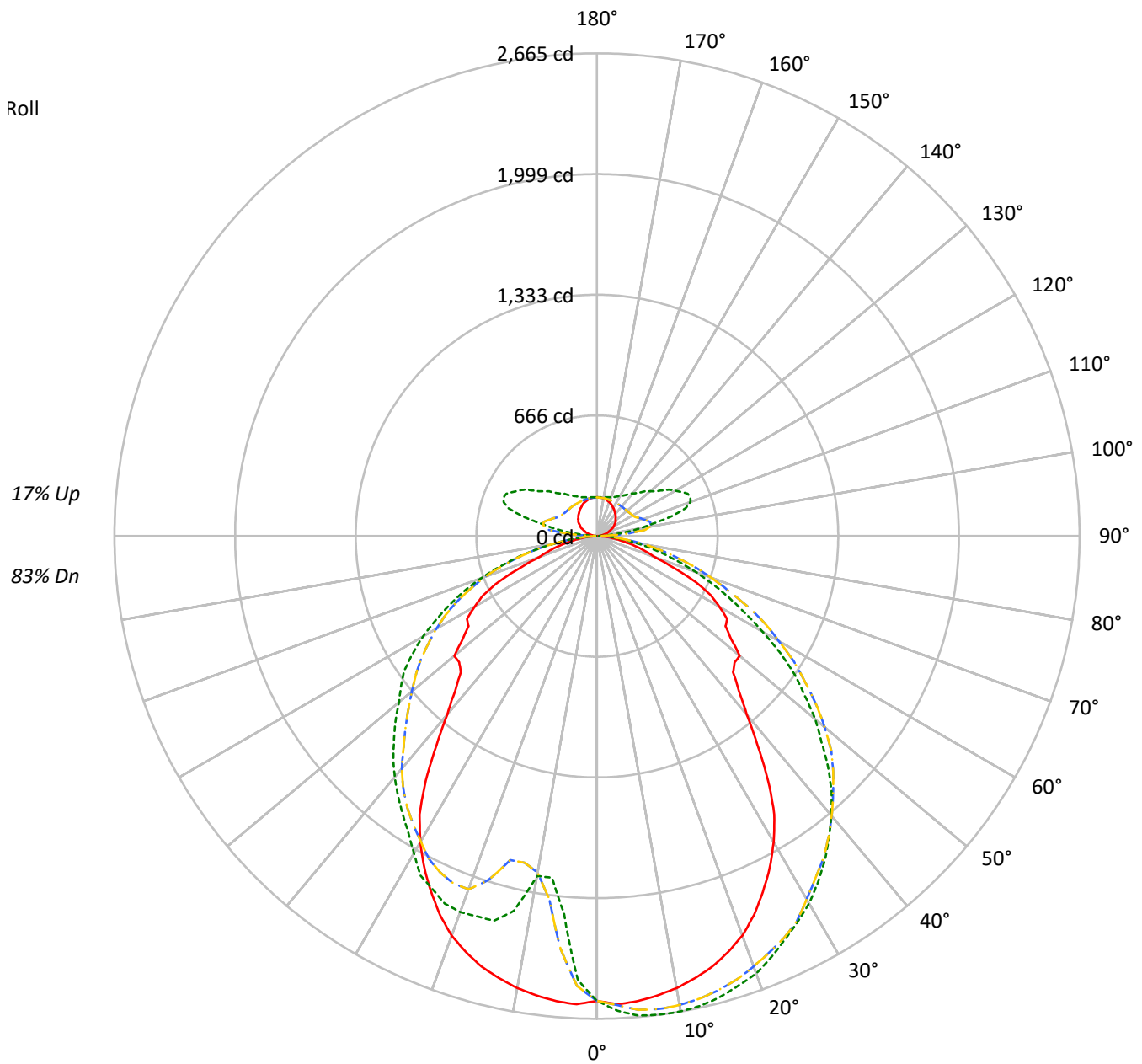
Test Method: LM-79-2019  
Report Number: P934142  
REPORT IS A COMBINATION OF REPORTS P933687 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-6-6500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8039.7 lumens  
Efficiency: N/A  
Efficacy: 108.1 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



— 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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	86	86	86	83
1	105	101	97	93	101	97	93	90	89	87	84	83	80	78	76	75	73	73	73	73	70
2	96	88	82	76	92	85	79	74	78	74	70	73	69	66	67	64	62	62	62	62	59
3	88	78	70	64	84	75	68	62	69	63	59	64	60	56	60	56	52	52	52	52	50
4	80	69	60	54	77	66	59	53	62	55	50	57	52	48	53	49	45	45	45	45	43
5	74	61	53	46	70	59	51	45	55	49	43	52	46	41	48	43	39	39	39	39	37
6	68	55	47	40	65	53	45	40	50	43	38	47	41	36	44	39	35	35	35	35	32
7	63	50	42	36	60	48	41	35	45	39	34	42	37	32	40	35	31	31	31	31	29
8	59	46	37	32	56	44	36	31	41	35	30	39	33	29	37	31	28	28	28	28	26
9	55	42	34	28	52	40	33	28	38	32	27	36	30	26	34	29	25	25	25	25	23
10	51	38	31	26	49	37	30	25	35	29	24	33	28	24	31	26	23	23	23	23	21

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

	0°	90°	180°	270°
0°	15869	15869	15869	15869
5°	15982	16019	15982	12596
10°	15869	15780	15869	11281
15°	15691	15438	15691	12891
20°	15357	15033	15357	12918
25°	14679	14442	14679	12644
30°	13805	13952	13805	12044
35°	12301	13331	12301	11383
40°	10244	12601	10244	10884
45°	9147	11747	9147	10310
50°	9711	10727	9711	9733
55°	9127	9629	9127	9400
60°	9398	8177	9398	8610
65°	8506	6760	8506	7557
70°	5875	5387	5875	6334
75°	5133	3982	5133	4769
80°	4108	2632	4108	2866
85°	2313	1395	2313	1185

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14028 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	231.6	2.9
10°-20°	657.5	8.2
20°-30°	1016.3	12.6
30°-40°	1213.3	15.1
40°-50°	1220.4	15.2
50°-60°	1061.9	13.2
60°-70°	752.9	9.4
70°-80°	398.3	5.0
80°-90°	100.0	1.2
90°-100°	104.3	1.3
100°-110°	274.3	3.4
110°-120°	284.4	3.5
120°-130°	228.1	2.8
130°-140°	179.0	2.2
140°-150°	137.4	1.7
150°-160°	99.0	1.2
160°-170°	60.5	0.8
170°-180°	20.5	0.3
0°-30°	1905.3	23.7
0°-40°	3118.6	38.8
0°-60°	5400.9	67.2
0°-90°	6652.1	82.7
90°-120°	663.1	8.2
90°-150°	1207.6	15.0
90°-180°	1388.0	17.3
0°-180°	8039.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2565	2565	2565	2565	2565	
5°	2577	2658	2577	2090	2577	245
15°	2461	2633	2461	2199	2461	692
25°	2167	2456	2167	2150	2167	995
35°	1648	2192	1648	1871	1648	1019
45°	1063	1806	1063	1585	1063	852
55°	866	1332	866	1301	866	796
65°	602	803	602	898	602	575
75°	228	381	228	456	228	240
85°	39	97	39	82	39	52
90°	1	6	1	6	1	3
95°	14	63	14	63	14	15
105°	49	430	49	430	49	52
115°	88	553	88	553	88	87
125°	122	440	122	440	122	108
135°	146	342	146	342	146	113
145°	169	277	169	277	169	106
155°	191	239	191	239	191	88
165°	206	222	206	222	206	58
175°	214	216	214	216	214	20
180°	214	214	214	214	214	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3
2.5°	2587.1	2587.1	2601.7	2606.5	2606.5	2599.2	2592.0	2599.2	2621.1	2628.4	2625.9
5°	2577.4	2596.8	2623.5	2628.4	2633.3	2630.8	2625.9	2630.8	2655.1	2659.9	2662.3
7.5°	2558.0	2594.3	2628.4	2635.7	2642.9	2635.7	2633.3	2638.0	2662.3	2667.2	2667.2
10°	2533.7	2584.7	2623.5	2628.4	2635.7	2628.4	2628.4	2638.0	2662.3	2667.2	2669.6
12.5°	2499.8	2570.2	2606.5	2611.4	2621.1	2618.6	2616.2	2625.9	2650.2	2655.1	2655.1
15°	2461.0	2543.4	2577.4	2582.3	2599.2	2594.3	2594.3	2604.1	2630.8	2638.0	2635.7
17.5°	2407.5	2509.4	2548.3	2555.5	2567.7	2565.3	2567.7	2577.4	2601.7	2606.5	2609.0
20°	2346.9	2463.3	2509.4	2516.7	2528.8	2528.8	2528.8	2541.0	2565.3	2574.9	2574.9
22.5°	2264.4	2414.8	2463.3	2468.2	2482.8	2482.8	2487.6	2504.6	2526.5	2528.8	2528.8
25°	2167.2	2361.4	2402.6	2417.3	2431.8	2439.1	2446.3	2456.1	2463.3	2461.0	2463.3
27.5°	2065.3	2293.4	2346.9	2356.5	2375.9	2383.2	2393.0	2395.4	2397.8	2405.1	2400.2
30°	1951.2	2198.8	2278.9	2288.6	2320.1	2325.0	2315.3	2320.1	2332.3	2337.1	2342.0
32.5°	1822.6	2058.0	2208.5	2230.3	2259.5	2244.9	2242.5	2249.7	2269.1	2269.1	2274.0
35°	1647.9	1948.8	2143.0	2162.4	2184.2	2167.2	2177.0	2179.4	2191.5	2198.8	2196.4
37.5°	1456.2	1854.2	2075.0	2089.6	2106.6	2084.7	2099.3	2106.6	2116.2	2111.5	2111.5
40°	1286.3	1706.1	1994.9	2004.7	2019.2	2002.2	2016.8	2021.7	2026.5	2021.7	2019.2
42.5°	1160.1	1543.5	1910.0	1922.1	1912.4	1924.5	1929.4	1939.2	1931.8	1922.1	1922.1
45°	1063.0	1499.9	1817.7	1832.4	1817.7	1837.2	1844.5	1844.5	1822.6	1817.7	1815.3
47.5°	1031.4	1412.5	1725.5	1725.5	1718.3	1742.6	1754.7	1737.7	1715.8	1708.5	1708.5
50°	1029.1	1315.4	1599.3	1589.7	1623.6	1652.8	1640.6	1623.6	1606.6	1579.9	1579.9
52.5°	934.4	1196.5	1436.8	1473.1	1526.6	1543.5	1524.1	1507.2	1478.0	1465.8	1456.2
55°	866.4	1072.7	1288.7	1361.5	1417.4	1439.2	1402.7	1385.8	1342.1	1334.8	1330.0
57.5°	851.9	893.1	1152.8	1245.1	1312.9	1310.6	1288.7	1257.1	1220.8	1213.5	1211.0
60°	781.5	645.5	1007.2	1116.4	1186.7	1179.5	1160.1	1131.0	1096.9	1092.2	1087.3
62.5°	708.6	468.4	842.1	965.9	1065.4	1063.0	1046.0	1002.3	978.1	965.9	956.2
65°	601.9	393.2	599.4	803.3	946.5	951.3	915.0	883.4	856.7	842.1	839.7
67.5°	458.7	320.3	405.3	669.8	832.5	827.6	781.5	766.9	732.9	725.7	711.1
70°	339.7	213.6	281.5	543.6	720.8	708.6	672.3	655.3	623.7	606.7	597.0
72.5°	281.5	172.3	206.3	422.3	606.7	592.2	560.6	541.2	514.5	500.0	490.2
75°	228.1	182.1	157.8	313.1	492.6	483.0	453.8	434.4	412.6	393.2	395.6
77.5°	167.4	169.9	126.2	230.5	390.7	376.2	359.1	335.0	325.2	305.8	305.8
80°	126.2	133.5	94.7	157.8	281.5	281.5	267.0	249.9	233.0	223.3	223.3
82.5°	84.9	84.9	70.4	99.5	191.7	184.4	174.7	169.9	160.2	155.3	155.3
85°	38.8	48.6	43.7	60.7	104.3	109.2	109.2	104.3	101.9	97.1	99.5
87.5°	12.1	21.8	26.7	33.9	53.4	55.8	58.2	58.2	58.2	60.7	60.7
90°	1.4	2.6	3.7	4.0	6.3	9.4	10.9	9.7	7.3	5.5	5.5
92.5°	5.7	15.5	25.2	27.7	39.0	54.0	61.5	53.8	38.6	27.3	26.2
95°	13.8	31.6	49.5	54.0	95.9	151.7	179.7	160.4	121.6	92.7	89.4
97.5°	23.8	39.6	55.4	59.3	129.2	222.3	268.9	256.6	232.3	213.9	207.7
100°	31.6	45.9	60.2	63.8	141.3	244.7	296.3	297.2	299.0	300.3	292.9
102.5°	38.2	51.6	64.9	68.3	146.9	251.7	304.1	319.7	350.8	374.3	367.8
105°	49.4	60.7	72.0	74.9	151.0	252.4	303.2	338.1	408.0	460.4	457.0
107.5°	60.9	71.4	81.9	84.6	151.7	241.2	286.0	334.8	432.2	505.3	506.1
110°	68.7	78.2	87.7	90.1	150.6	231.3	271.7	326.2	435.1	516.7	520.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	76.3	85.4	94.4	96.7	150.6	222.6	258.6	314.3	425.8	509.4	514.8
115°	87.8	96.2	104.5	106.6	152.0	212.6	242.9	296.6	404.0	484.5	492.2
117.5°	99.2	106.7	114.3	116.2	154.8	206.3	232.2	280.6	377.5	450.2	458.6
120°	105.8	112.9	120.0	121.8	157.2	204.3	227.9	272.1	360.7	427.1	435.4
122.5°	112.2	119.4	126.6	128.4	160.4	203.2	224.5	264.4	344.1	404.0	412.1
125°	122.1	128.7	135.3	136.9	164.9	202.3	221.0	254.8	322.6	373.4	380.9
127.5°	130.1	136.7	143.4	145.1	169.3	201.8	217.9	247.0	305.2	348.8	355.1
130°	134.4	141.6	148.7	150.5	172.6	202.0	216.8	242.7	294.4	333.2	339.1
132.5°	138.9	146.1	153.2	155.0	175.3	202.3	215.8	239.0	285.3	320.0	325.2
135°	145.5	152.0	158.5	160.2	178.1	202.1	214.1	233.5	272.3	301.4	305.9
137.5°	152.3	158.7	165.1	166.8	182.4	203.4	213.8	230.3	263.0	287.6	291.3
140°	157.9	163.8	169.7	171.3	185.1	203.6	212.8	226.9	255.3	276.5	280.0
142.5°	162.2	167.6	173.2	174.5	187.2	204.2	212.8	225.2	250.1	268.8	271.8
145°	168.8	173.5	178.3	179.6	190.2	204.2	211.3	221.5	241.8	257.1	259.3
147.5°	175.4	180.1	184.7	185.9	194.4	205.7	211.3	219.4	235.3	247.4	249.2
150°	179.7	183.9	188.2	189.2	196.6	206.4	211.3	218.1	231.6	241.7	243.3
152.5°	184.2	187.3	190.6	191.3	198.0	206.9	211.3	217.1	228.6	237.3	238.5
155°	190.8	193.2	195.5	196.1	201.2	208.0	211.3	215.9	225.1	232.0	232.7
157.5°	195.6	197.9	200.2	200.8	204.3	209.0	211.3	214.9	222.0	227.4	228.0
160°	199.0	200.8	202.5	203.0	205.8	209.5	211.3	214.4	220.5	225.1	225.4
162.5°	202.2	203.6	204.9	205.3	207.3	210.0	211.3	213.9	219.1	223.0	223.3
165°	205.9	207.0	208.3	208.5	209.5	210.7	211.3	213.1	216.9	219.6	219.9
167.5°	209.1	209.7	210.3	210.5	211.2	212.3	212.8	214.0	216.4	218.2	218.3
170°	211.3	211.9	212.5	212.6	212.7	212.8	212.8	214.0	216.4	218.2	218.2
172.5°	212.5	212.6	212.8	212.8	212.8	212.8	212.8	213.7	215.6	217.1	217.0
175°	214.1	214.1	214.1	214.1	213.6	213.0	212.8	213.3	214.6	215.5	215.5
177.5°	214.1	214.1	214.1	214.1	213.7	213.2	213.0	213.5	214.5	215.2	215.1
180°	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3
2.5°	2630.8	2623.5	2630.8	2625.9	2628.4	2621.1	2599.2	2592.0	2599.2	2606.5	2606.5
5°	2662.3	2657.5	2662.3	2662.3	2659.9	2655.1	2630.8	2625.9	2630.8	2633.3	2628.4
7.5°	2672.1	2664.8	2672.1	2667.2	2667.2	2662.3	2638.0	2633.3	2635.7	2642.9	2635.7
10°	2672.1	2664.8	2672.1	2669.6	2667.2	2662.3	2638.0	2628.4	2628.4	2635.7	2628.4
12.5°	2659.9	2655.1	2659.9	2655.1	2655.1	2650.2	2625.9	2616.2	2618.6	2621.1	2611.4
15°	2640.5	2633.3	2640.5	2635.7	2638.0	2630.8	2604.1	2594.3	2594.3	2599.2	2582.3
17.5°	2611.4	2601.7	2611.4	2609.0	2606.5	2601.7	2577.4	2567.7	2565.3	2567.7	2555.5
20°	2577.4	2570.2	2577.4	2574.9	2574.9	2565.3	2541.0	2528.8	2528.8	2528.8	2516.7
22.5°	2524.0	2516.7	2524.0	2528.8	2528.8	2526.5	2504.6	2487.6	2482.8	2482.8	2468.2
25°	2463.3	2456.1	2463.3	2463.3	2461.0	2463.3	2456.1	2446.3	2439.1	2431.8	2417.3
27.5°	2405.1	2400.2	2405.1	2400.2	2405.1	2397.8	2395.4	2393.0	2383.2	2375.9	2356.5
30°	2346.9	2342.0	2346.9	2342.0	2337.1	2332.3	2320.1	2315.3	2325.0	2320.1	2288.6
32.5°	2274.0	2269.1	2274.0	2274.0	2269.1	2269.1	2249.7	2242.5	2244.9	2259.5	2230.3
35°	2198.8	2191.5	2198.8	2196.4	2198.8	2191.5	2179.4	2177.0	2167.2	2184.2	2162.4
37.5°	2111.5	2104.1	2111.5	2111.5	2111.5	2116.2	2106.6	2099.3	2084.7	2106.6	2089.6
40°	2021.7	2011.9	2021.7	2019.2	2021.7	2026.5	2021.7	2016.8	2002.2	2019.2	2004.7
42.5°	1919.7	1917.3	1919.7	1922.1	1922.1	1931.8	1939.2	1929.4	1924.5	1912.4	1922.1
45°	1810.5	1805.7	1810.5	1815.3	1817.7	1822.6	1844.5	1844.5	1837.2	1817.7	1832.4
47.5°	1694.0	1681.8	1694.0	1708.5	1708.5	1715.8	1737.7	1754.7	1742.6	1718.3	1725.5
50°	1570.3	1572.7	1570.3	1579.9	1579.9	1606.6	1623.6	1640.6	1652.8	1623.6	1589.7
52.5°	1448.9	1446.4	1448.9	1456.2	1465.8	1478.0	1507.2	1524.1	1543.5	1526.6	1473.1
55°	1327.5	1332.4	1327.5	1330.0	1334.8	1342.1	1385.8	1402.7	1439.2	1417.4	1361.5
57.5°	1206.1	1198.9	1206.1	1211.0	1213.5	1220.8	1257.1	1288.7	1310.6	1312.9	1245.1
60°	1065.4	1055.7	1065.4	1087.3	1092.2	1096.9	1131.0	1160.1	1179.5	1186.7	1116.4
62.5°	941.7	924.6	941.7	956.2	965.9	978.1	1002.3	1046.0	1063.0	1065.4	965.9
65°	810.6	803.3	810.6	839.7	842.1	856.7	883.4	915.0	951.3	946.5	803.3
67.5°	691.7	691.7	691.7	711.1	725.7	732.9	766.9	781.5	827.6	832.5	669.8
70°	582.4	580.0	582.4	597.0	606.7	623.7	655.3	672.3	708.6	720.8	543.6
72.5°	478.1	475.7	478.1	490.2	500.0	514.5	541.2	560.6	592.2	606.7	422.3
75°	385.9	381.0	385.9	395.6	393.2	412.6	434.4	453.8	483.0	492.6	313.1
77.5°	296.1	296.1	296.1	305.8	305.8	325.2	335.0	359.1	376.2	390.7	230.5
80°	220.9	218.4	220.9	223.3	223.3	233.0	249.9	267.0	281.5	281.5	157.8
82.5°	155.3	150.5	155.3	155.3	155.3	160.2	169.9	174.7	184.4	191.7	99.5
85°	97.1	97.1	97.1	99.5	97.1	101.9	104.3	109.2	109.2	104.3	60.7
87.5°	63.1	60.7	63.1	60.7	60.7	58.2	58.2	58.2	55.8	53.4	33.9
90°	5.5	5.5	5.5	5.5	5.5	7.3	9.7	10.9	9.4	6.3	4.0
92.5°	21.8	17.5	21.8	26.2	27.3	38.6	53.8	61.5	54.0	39.0	27.7
95°	76.2	63.1	76.2	89.4	92.7	121.6	160.4	179.7	151.7	95.9	54.0
97.5°	182.6	157.6	182.6	207.7	213.9	232.3	256.6	268.9	222.3	129.2	59.3
100°	263.1	233.3	263.1	292.9	300.3	299.0	297.2	296.3	244.7	141.3	63.8
102.5°	342.3	316.8	342.3	367.8	374.3	350.8	319.7	304.1	251.7	146.9	68.3
105°	443.3	429.5	443.3	457.0	460.4	408.0	338.1	303.2	252.4	151.0	74.9
107.5°	509.4	512.7	509.4	506.1	505.3	432.2	334.8	286.0	241.2	151.7	84.6
110°	534.6	549.0	534.6	520.3	516.7	435.1	326.2	271.7	231.3	150.6	90.1





TEST NUMBER: P934142

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	536.8	558.8	536.8	514.8	509.4	425.8	314.3	258.6	222.6	150.6	96.7
115°	522.6	553.1	522.6	492.2	484.5	404.0	296.6	242.9	212.6	152.0	106.6
117.5°	492.4	526.2	492.4	458.6	450.2	377.5	280.6	232.2	206.3	154.8	116.2
120°	468.2	500.9	468.2	435.4	427.1	360.7	272.1	227.9	204.3	157.2	121.8
122.5°	444.4	476.8	444.4	412.1	404.0	344.1	264.4	224.5	203.2	160.4	128.4
125°	410.6	440.4	410.6	380.9	373.4	322.6	254.8	221.0	202.3	164.9	136.9
127.5°	380.3	405.4	380.3	355.1	348.8	305.2	247.0	217.9	201.8	169.3	145.1
130°	362.3	385.5	362.3	339.1	333.2	294.4	242.7	216.8	202.0	172.6	150.5
132.5°	346.0	366.9	346.0	325.2	320.0	285.3	239.0	215.8	202.3	175.3	155.0
135°	323.8	341.7	323.8	305.9	301.4	272.3	233.5	214.1	202.1	178.1	160.2
137.5°	306.0	320.6	306.0	291.3	287.6	263.0	230.3	213.8	203.4	182.4	166.8
140°	293.6	307.4	293.6	280.0	276.5	255.3	226.9	212.8	203.6	185.1	171.3
142.5°	283.5	295.4	283.5	271.8	268.8	250.1	225.2	212.8	204.2	187.2	174.5
145°	268.3	277.3	268.3	259.3	257.1	241.8	221.5	211.3	204.2	190.2	179.6
147.5°	256.6	264.0	256.6	249.2	247.4	235.3	219.4	211.3	205.7	194.4	185.9
150°	249.3	255.3	249.3	243.3	241.7	231.6	218.1	211.3	206.4	196.6	189.2
152.5°	243.0	247.6	243.0	238.5	237.3	228.6	217.1	211.3	206.9	198.0	191.3
155°	235.7	238.8	235.7	232.7	232.0	225.1	215.9	211.3	208.0	201.2	196.1
157.5°	230.1	232.2	230.1	228.0	227.4	222.0	214.9	211.3	209.0	204.3	200.8
160°	226.6	227.9	226.6	225.4	225.1	220.5	214.4	211.3	209.5	205.8	203.0
162.5°	224.4	225.6	224.4	223.3	223.0	219.1	213.9	211.3	210.0	207.3	205.3
165°	221.2	222.4	221.2	219.9	219.6	216.9	213.1	211.3	210.7	209.5	208.5
167.5°	218.9	219.4	218.9	218.3	218.2	216.4	214.0	212.8	212.3	211.2	210.5
170°	218.2	218.2	218.2	218.2	218.2	216.4	214.0	212.8	212.8	212.7	212.6
172.5°	216.5	216.1	216.5	217.0	217.1	215.6	213.7	212.8	212.8	212.8	212.8
175°	215.5	215.5	215.5	215.5	215.5	214.6	213.3	212.8	213.0	213.6	214.1
177.5°	214.6	214.1	214.6	215.1	215.2	214.5	213.5	213.0	213.2	213.7	214.1
180°	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1



TEST NUMBER: P934142

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3
2.5°	2601.7	2587.1	2587.1	2562.9	2553.1	2545.9	2533.7	2497.3	2487.6	2477.9	2492.4
5°	2623.5	2596.8	2577.4	2533.7	2497.3	2482.8	2436.7	2349.3	2291.0	2247.3	2223.1
7.5°	2628.4	2594.3	2558.0	2490.0	2402.6	2363.8	2223.1	2062.9	2019.2	1980.4	1956.1
10°	2623.5	2584.7	2533.7	2431.8	2225.5	2157.6	2016.8	1912.4	1885.7	1878.4	1885.7
12.5°	2606.5	2570.2	2499.8	2329.9	2041.1	1994.9	1912.4	1851.8	1846.9	1859.0	1924.5
15°	2577.4	2543.4	2461.0	2194.0	1939.2	1905.1	1846.9	1825.1	1851.8	1936.7	2133.3
17.5°	2548.3	2509.4	2407.5	2060.5	1861.4	1837.2	1795.9	1839.6	1990.1	2104.1	2169.7
20°	2509.4	2463.3	2346.9	1963.4	1805.7	1783.8	1764.4	1961.0	2075.0	2116.2	2152.7
22.5°	2463.3	2414.8	2264.4	1895.5	1747.3	1730.4	1742.6	2028.9	2075.0	2104.1	2135.7
25°	2402.6	2361.4	2167.2	1842.0	1701.3	1681.8	1727.9	2021.7	2048.4	2055.6	2118.7
27.5°	2346.9	2293.4	2065.3	1793.5	1645.4	1638.1	1740.1	1990.1	2009.5	2016.8	2084.7
30°	2278.9	2198.8	1951.2	1742.6	1587.2	1584.8	1742.6	1951.2	1946.4	1965.8	2033.7
32.5°	2208.5	2058.0	1822.6	1679.5	1531.4	1529.0	1725.5	1893.0	1888.2	1914.9	1965.8
35°	2143.0	1948.8	1647.9	1606.6	1461.0	1463.5	1684.3	1825.1	1827.5	1851.8	1883.3
37.5°	2075.0	1854.2	1456.2	1526.6	1393.1	1393.1	1628.5	1762.0	1757.1	1764.4	1808.1
40°	1994.9	1706.1	1286.3	1422.1	1330.0	1322.7	1560.5	1694.0	1677.0	1674.6	1735.3
42.5°	1910.0	1543.5	1160.1	1283.9	1257.1	1247.4	1478.0	1611.5	1579.9	1587.2	1664.8
45°	1817.7	1499.9	1063.0	1084.8	1182.0	1174.6	1388.2	1516.8	1495.0	1514.4	1594.5
47.5°	1725.5	1412.5	1031.4	900.4	1101.8	1099.4	1288.7	1424.6	1412.5	1431.9	1516.8
50°	1599.3	1315.4	1029.1	771.7	1012.0	1021.7	1169.8	1334.8	1334.8	1351.8	1441.6
52.5°	1436.8	1196.5	934.4	699.0	907.7	936.8	1065.4	1257.1	1262.0	1279.0	1359.0
55°	1288.7	1072.7	866.4	643.1	783.9	847.0	963.5	1177.1	1186.7	1203.8	1276.5
57.5°	1152.8	893.1	851.9	577.6	669.8	730.5	873.7	1099.4	1104.2	1118.8	1189.2
60°	1007.2	645.5	781.5	507.3	570.4	616.5	791.2	1007.2	1024.2	1033.8	1094.6
62.5°	842.1	468.4	708.6	458.7	521.8	531.5	723.3	919.8	941.7	948.9	985.4
65°	599.4	393.2	601.9	417.5	470.8	473.2	650.4	830.0	849.4	861.5	888.3
67.5°	405.3	320.3	458.7	378.6	432.0	434.4	580.0	725.7	752.3	762.1	779.0
70°	281.5	213.6	339.7	337.3	388.3	393.2	504.8	631.0	655.3	662.5	672.3
72.5°	206.3	172.3	281.5	303.4	342.2	347.1	427.1	524.2	548.5	555.7	560.6
75°	157.8	182.1	228.1	264.6	291.3	293.6	349.5	427.1	444.2	449.0	451.4
77.5°	126.2	169.9	167.4	213.6	237.8	233.0	274.2	330.1	344.6	344.6	344.6
80°	94.7	133.5	126.2	152.9	174.7	169.9	196.6	235.4	240.3	245.1	242.7
82.5°	70.4	84.9	84.9	97.1	116.5	111.7	131.1	152.9	152.9	152.9	157.8
85°	43.7	48.6	38.8	51.0	65.5	63.1	72.8	82.5	84.9	84.9	80.1
87.5°	26.7	21.8	12.1	19.4	29.2	29.2	33.9	36.4	33.9	33.9	33.9
90°	3.7	2.6	1.4	2.6	3.7	4.0	6.3	9.4	10.9	9.7	7.3
92.5°	25.2	15.5	5.7	15.5	25.2	27.7	39.0	54.0	61.5	53.8	38.6
95°	49.5	31.6	13.8	31.6	49.5	54.0	95.9	151.7	179.7	160.4	121.6
97.5°	55.4	39.6	23.8	39.6	55.4	59.3	129.2	222.3	268.9	256.6	232.3
100°	60.2	45.9	31.6	45.9	60.2	63.8	141.3	244.7	296.3	297.2	299.0
102.5°	64.9	51.6	38.2	51.6	64.9	68.3	146.9	251.7	304.1	319.7	350.8
105°	72.0	60.7	49.4	60.7	72.0	74.9	151.0	252.4	303.2	338.1	408.0
107.5°	81.9	71.4	60.9	71.4	81.9	84.6	151.7	241.2	286.0	334.8	432.2
110°	87.7	78.2	68.7	78.2	87.7	90.1	150.6	231.3	271.7	326.2	435.1



TEST NUMBER: P934142

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	94.4	85.4	76.3	85.4	94.4	96.7	150.6	222.6	258.6	314.3	425.8
115°	104.5	96.2	87.8	96.2	104.5	106.6	152.0	212.6	242.9	296.6	404.0
117.5°	114.3	106.7	99.2	106.7	114.3	116.2	154.8	206.3	232.2	280.6	377.5
120°	120.0	112.9	105.8	112.9	120.0	121.8	157.2	204.3	227.9	272.1	360.7
122.5°	126.6	119.4	112.2	119.4	126.6	128.4	160.4	203.2	224.5	264.4	344.1
125°	135.3	128.7	122.1	128.7	135.3	136.9	164.9	202.3	221.0	254.8	322.6
127.5°	143.4	136.7	130.1	136.7	143.4	145.1	169.3	201.8	217.9	247.0	305.2
130°	148.7	141.6	134.4	141.6	148.7	150.5	172.6	202.0	216.8	242.7	294.4
132.5°	153.2	146.1	138.9	146.1	153.2	155.0	175.3	202.3	215.8	239.0	285.3
135°	158.5	152.0	145.5	152.0	158.5	160.2	178.1	202.1	214.1	233.5	272.3
137.5°	165.1	158.7	152.3	158.7	165.1	166.8	182.4	203.4	213.8	230.3	263.0
140°	169.7	163.8	157.9	163.8	169.7	171.3	185.1	203.6	212.8	226.9	255.3
142.5°	173.2	167.6	162.2	167.6	173.2	174.5	187.2	204.2	212.8	225.2	250.1
145°	178.3	173.5	168.8	173.5	178.3	179.6	190.2	204.2	211.3	221.5	241.8
147.5°	184.7	180.1	175.4	180.1	184.7	185.9	194.4	205.7	211.3	219.4	235.3
150°	188.2	183.9	179.7	183.9	188.2	189.2	196.6	206.4	211.3	218.1	231.6
152.5°	190.6	187.3	184.2	187.3	190.6	191.3	198.0	206.9	211.3	217.1	228.6
155°	195.5	193.2	190.8	193.2	195.5	196.1	201.2	208.0	211.3	215.9	225.1
157.5°	200.2	197.9	195.6	197.9	200.2	200.8	204.3	209.0	211.3	214.9	222.0
160°	202.5	200.8	199.0	200.8	202.5	203.0	205.8	209.5	211.3	214.4	220.5
162.5°	204.9	203.6	202.2	203.6	204.9	205.3	207.3	210.0	211.3	213.9	219.1
165°	208.3	207.0	205.9	207.0	208.3	208.5	209.5	210.7	211.3	213.1	216.9
167.5°	210.3	209.7	209.1	209.7	210.3	210.5	211.2	212.3	212.8	214.0	216.4
170°	212.5	211.9	211.3	211.9	212.5	212.6	212.7	212.8	212.8	214.0	216.4
172.5°	212.8	212.6	212.5	212.6	212.8	212.8	212.8	212.8	212.8	213.7	215.6
175°	214.1	214.1	214.1	214.1	214.1	214.1	213.6	213.0	212.8	213.3	214.6
177.5°	214.1	214.1	214.1	214.1	214.1	214.1	213.7	213.2	213.0	213.5	214.5
180°	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1



TEST NUMBER: P934142

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3	2565.3
2.5°	2475.5	2468.2	2477.9	2451.2	2477.9	2468.2	2475.5	2492.4	2477.9	2487.6	2497.3
5°	2172.1	2159.9	2121.1	2089.6	2121.1	2159.9	2172.1	2223.1	2247.3	2291.0	2349.3
7.5°	1941.5	1931.8	1922.1	1902.7	1922.1	1931.8	1941.5	1956.1	1980.4	2019.2	2062.9
10°	1890.6	1893.0	1907.6	1905.1	1907.6	1893.0	1890.6	1885.7	1878.4	1885.7	1912.4
12.5°	2021.7	2043.5	2123.6	2118.7	2123.6	2043.5	2021.7	1924.5	1859.0	1846.9	1851.8
15°	2172.1	2179.4	2196.4	2198.8	2196.4	2179.4	2172.1	2133.3	1936.7	1851.8	1825.1
17.5°	2186.6	2189.1	2201.3	2201.3	2201.3	2189.1	2186.6	2169.7	2104.1	1990.1	1839.6
20°	2174.6	2179.4	2203.6	2208.5	2203.6	2179.4	2174.6	2152.7	2116.2	2075.0	1961.0
22.5°	2169.7	2179.4	2198.8	2196.4	2198.8	2179.4	2169.7	2135.7	2104.1	2075.0	2028.9
25°	2145.4	2145.4	2147.8	2150.3	2147.8	2145.4	2145.4	2118.7	2055.6	2048.4	2021.7
27.5°	2094.4	2099.3	2113.9	2111.5	2113.9	2099.3	2094.4	2084.7	2016.8	2009.5	1990.1
30°	2048.4	2043.5	2031.3	2021.7	2031.3	2043.5	2048.4	2033.7	1965.8	1946.4	1951.2
32.5°	1970.7	1958.6	1946.4	1939.2	1946.4	1958.6	1970.7	1965.8	1914.9	1888.2	1893.0
35°	1878.4	1880.8	1878.4	1871.2	1878.4	1880.8	1878.4	1883.3	1851.8	1827.5	1825.1
37.5°	1812.9	1817.7	1815.3	1805.7	1815.3	1817.7	1812.9	1808.1	1764.4	1757.1	1762.0
40°	1745.0	1747.3	1745.0	1737.7	1745.0	1747.3	1745.0	1735.3	1674.6	1677.0	1694.0
42.5°	1679.5	1677.0	1669.7	1664.8	1669.7	1677.0	1679.5	1664.8	1587.2	1579.9	1611.5
45°	1604.2	1606.6	1592.1	1584.8	1592.1	1606.6	1604.2	1594.5	1514.4	1495.0	1516.8
47.5°	1529.0	1529.0	1516.8	1509.5	1516.8	1529.0	1529.0	1516.8	1431.9	1412.5	1424.6
50°	1448.9	1446.4	1429.5	1427.0	1429.5	1446.4	1448.9	1441.6	1351.8	1334.8	1334.8
52.5°	1356.6	1356.6	1359.0	1363.9	1359.0	1356.6	1356.6	1359.0	1279.0	1262.0	1257.1
55°	1276.5	1279.0	1296.0	1300.8	1296.0	1279.0	1276.5	1276.5	1203.8	1186.7	1177.1
57.5°	1194.1	1194.1	1206.1	1206.1	1206.1	1194.1	1194.1	1189.2	1118.8	1104.2	1099.4
60°	1099.4	1104.2	1114.0	1111.6	1114.0	1104.2	1099.4	1094.6	1033.8	1024.2	1007.2
62.5°	999.9	1004.8	1007.2	1002.3	1007.2	1004.8	999.9	985.4	948.9	941.7	919.8
65°	895.6	900.4	902.8	898.0	902.8	900.4	895.6	888.3	861.5	849.4	830.0
67.5°	788.8	786.3	783.9	793.6	783.9	786.3	788.8	779.0	762.1	752.3	725.7
70°	679.6	679.6	677.1	682.0	677.1	679.6	679.6	672.3	662.5	655.3	631.0
72.5°	563.0	560.6	570.4	563.0	570.4	560.6	563.0	560.6	555.7	548.5	524.2
75°	449.0	453.8	449.0	456.3	449.0	453.8	449.0	451.4	449.0	444.2	427.1
77.5°	342.2	347.1	342.2	342.2	342.2	347.1	342.2	344.6	344.6	344.6	330.1
80°	242.7	240.3	240.3	237.8	240.3	240.3	242.7	242.7	245.1	240.3	235.4
82.5°	155.3	152.9	152.9	157.8	152.9	152.9	155.3	157.8	152.9	152.9	152.9
85°	84.9	87.4	82.5	82.5	82.5	87.4	84.9	80.1	84.9	84.9	82.5
87.5°	31.6	29.2	29.2	29.2	29.2	29.2	31.6	33.9	33.9	33.9	36.4
90°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	7.3	9.7	10.9	9.4
92.5°	27.3	26.2	21.8	17.5	21.8	26.2	27.3	38.6	53.8	61.5	54.0
95°	92.7	89.4	76.2	63.1	76.2	89.4	92.7	121.6	160.4	179.7	151.7
97.5°	213.9	207.7	182.6	157.6	182.6	207.7	213.9	232.3	256.6	268.9	222.3
100°	300.3	292.9	263.1	233.3	263.1	292.9	300.3	299.0	297.2	296.3	244.7
102.5°	374.3	367.8	342.3	316.8	342.3	367.8	374.3	350.8	319.7	304.1	251.7
105°	460.4	457.0	443.3	429.5	443.3	457.0	460.4	408.0	338.1	303.2	252.4
107.5°	505.3	506.1	509.4	512.7	509.4	506.1	505.3	432.2	334.8	286.0	241.2
110°	516.7	520.3	534.6	549.0	534.6	520.3	516.7	435.1	326.2	271.7	231.3



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	509.4	514.8	536.8	558.8	536.8	514.8	509.4	425.8	314.3	258.6	222.6
115°	484.5	492.2	522.6	553.1	522.6	492.2	484.5	404.0	296.6	242.9	212.6
117.5°	450.2	458.6	492.4	526.2	492.4	458.6	450.2	377.5	280.6	232.2	206.3
120°	427.1	435.4	468.2	500.9	468.2	435.4	427.1	360.7	272.1	227.9	204.3
122.5°	404.0	412.1	444.4	476.8	444.4	412.1	404.0	344.1	264.4	224.5	203.2
125°	373.4	380.9	410.6	440.4	410.6	380.9	373.4	322.6	254.8	221.0	202.3
127.5°	348.8	355.1	380.3	405.4	380.3	355.1	348.8	305.2	247.0	217.9	201.8
130°	333.2	339.1	362.3	385.5	362.3	339.1	333.2	294.4	242.7	216.8	202.0
132.5°	320.0	325.2	346.0	366.9	346.0	325.2	320.0	285.3	239.0	215.8	202.3
135°	301.4	305.9	323.8	341.7	323.8	305.9	301.4	272.3	233.5	214.1	202.1
137.5°	287.6	291.3	306.0	320.6	306.0	291.3	287.6	263.0	230.3	213.8	203.4
140°	276.5	280.0	293.6	307.4	293.6	280.0	276.5	255.3	226.9	212.8	203.6
142.5°	268.8	271.8	283.5	295.4	283.5	271.8	268.8	250.1	225.2	212.8	204.2
145°	257.1	259.3	268.3	277.3	268.3	259.3	257.1	241.8	221.5	211.3	204.2
147.5°	247.4	249.2	256.6	264.0	256.6	249.2	247.4	235.3	219.4	211.3	205.7
150°	241.7	243.3	249.3	255.3	249.3	243.3	241.7	231.6	218.1	211.3	206.4
152.5°	237.3	238.5	243.0	247.6	243.0	238.5	237.3	228.6	217.1	211.3	206.9
155°	232.0	232.7	235.7	238.8	235.7	232.7	232.0	225.1	215.9	211.3	208.0
157.5°	227.4	228.0	230.1	232.2	230.1	228.0	227.4	222.0	214.9	211.3	209.0
160°	225.1	225.4	226.6	227.9	226.6	225.4	225.1	220.5	214.4	211.3	209.5
162.5°	223.0	223.3	224.4	225.6	224.4	223.3	223.0	219.1	213.9	211.3	210.0
165°	219.6	219.9	221.2	222.4	221.2	219.9	219.6	216.9	213.1	211.3	210.7
167.5°	218.2	218.3	218.9	219.4	218.9	218.3	218.2	216.4	214.0	212.8	212.3
170°	218.2	218.2	218.2	218.2	218.2	218.2	218.2	216.4	214.0	212.8	212.8
172.5°	217.1	217.0	216.5	216.1	216.5	217.0	217.1	215.6	213.7	212.8	212.8
175°	215.5	215.5	215.5	215.5	215.5	215.5	215.5	214.6	213.3	212.8	213.0
177.5°	215.2	215.1	214.6	214.1	214.6	215.1	215.2	214.5	213.5	213.0	213.2
180°	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2565.3	2565.3	2565.3	2565.3	2565.3
2.5°	2533.7	2545.9	2553.1	2562.9	2587.1
5°	2436.7	2482.8	2497.3	2533.7	2577.4
7.5°	2223.1	2363.8	2402.6	2490.0	2558.0
10°	2016.8	2157.6	2225.5	2431.8	2533.7
12.5°	1912.4	1994.9	2041.1	2329.9	2499.8
15°	1846.9	1905.1	1939.2	2194.0	2461.0
17.5°	1795.9	1837.2	1861.4	2060.5	2407.5
20°	1764.4	1783.8	1805.7	1963.4	2346.9
22.5°	1742.6	1730.4	1747.3	1895.5	2264.4
25°	1727.9	1681.8	1701.3	1842.0	2167.2
27.5°	1740.1	1638.1	1645.4	1793.5	2065.3
30°	1742.6	1584.8	1587.2	1742.6	1951.2
32.5°	1725.5	1529.0	1531.4	1679.5	1822.6
35°	1684.3	1463.5	1461.0	1606.6	1647.9
37.5°	1628.5	1393.1	1393.1	1526.6	1456.2
40°	1560.5	1322.7	1330.0	1422.1	1286.3
42.5°	1478.0	1247.4	1257.1	1283.9	1160.1
45°	1388.2	1174.6	1182.0	1084.8	1063.0
47.5°	1288.7	1099.4	1101.8	900.4	1031.4
50°	1169.8	1021.7	1012.0	771.7	1029.1
52.5°	1065.4	936.8	907.7	699.0	934.4
55°	963.5	847.0	783.9	643.1	866.4
57.5°	873.7	730.5	669.8	577.6	851.9
60°	791.2	616.5	570.4	507.3	781.5
62.5°	723.3	531.5	521.8	458.7	708.6
65°	650.4	473.2	470.8	417.5	601.9
67.5°	580.0	434.4	432.0	378.6	458.7
70°	504.8	393.2	388.3	337.3	339.7
72.5°	427.1	347.1	342.2	303.4	281.5
75°	349.5	293.6	291.3	264.6	228.1
77.5°	274.2	233.0	237.8	213.6	167.4
80°	196.6	169.9	174.7	152.9	126.2
82.5°	131.1	111.7	116.5	97.1	84.9
85°	72.8	63.1	65.5	51.0	38.8
87.5°	33.9	29.2	29.2	19.4	12.1
90°	6.3	4.0	3.7	2.6	1.4
92.5°	39.0	27.7	25.2	15.5	5.7
95°	95.9	54.0	49.5	31.6	13.8
97.5°	129.2	59.3	55.4	39.6	23.8
100°	141.3	63.8	60.2	45.9	31.6
102.5°	146.9	68.3	64.9	51.6	38.2
105°	151.0	74.9	72.0	60.7	49.4
107.5°	151.7	84.6	81.9	71.4	60.9
110°	150.6	90.1	87.7	78.2	68.7



TEST NUMBER: P934142

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	150.6	96.7	94.4	85.4	76.3
115°	152.0	106.6	104.5	96.2	87.8
117.5°	154.8	116.2	114.3	106.7	99.2
120°	157.2	121.8	120.0	112.9	105.8
122.5°	160.4	128.4	126.6	119.4	112.2
125°	164.9	136.9	135.3	128.7	122.1
127.5°	169.3	145.1	143.4	136.7	130.1
130°	172.6	150.5	148.7	141.6	134.4
132.5°	175.3	155.0	153.2	146.1	138.9
135°	178.1	160.2	158.5	152.0	145.5
137.5°	182.4	166.8	165.1	158.7	152.3
140°	185.1	171.3	169.7	163.8	157.9
142.5°	187.2	174.5	173.2	167.6	162.2
145°	190.2	179.6	178.3	173.5	168.8
147.5°	194.4	185.9	184.7	180.1	175.4
150°	196.6	189.2	188.2	183.9	179.7
152.5°	198.0	191.3	190.6	187.3	184.2
155°	201.2	196.1	195.5	193.2	190.8
157.5°	204.3	200.8	200.2	197.9	195.6
160°	205.8	203.0	202.5	200.8	199.0
162.5°	207.3	205.3	204.9	203.6	202.2
165°	209.5	208.5	208.3	207.0	205.9
167.5°	211.2	210.5	210.3	209.7	209.1
170°	212.7	212.6	212.5	211.9	211.3
172.5°	212.8	212.8	212.8	212.6	212.5
175°	213.6	214.1	214.1	214.1	214.1
177.5°	213.7	214.1	214.1	214.1	214.1
180°	214.1	214.1	214.1	214.1	214.1



TEST NUMBER: P934142  
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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	17.02	18.28	17.63	18.90	19.61	19.84	21.10	20.46	21.73	22.44
	3H	17.52	18.66	18.15	19.29	20.04	21.21	22.35	21.84	22.98	23.73
	4H	17.73	18.80	18.38	19.45	20.21	21.68	22.74	22.32	23.39	24.15
	6H	17.87	18.86	18.53	19.52	20.29	21.98	22.97	22.64	23.62	24.40
	8H	17.88	18.82	18.56	19.50	20.28	22.06	23.00	22.74	23.68	24.46
	12H	17.87	18.77	18.55	19.44	20.25	22.12	23.01	22.79	23.69	24.49
4H	2H	18.10	19.16	18.75	19.81	20.57	20.30	21.37	20.95	22.01	22.77
	3H	19.16	20.05	19.82	20.74	21.52	21.84	22.73	22.50	23.42	24.20
	4H	19.45	20.26	20.13	20.95	21.76	22.38	23.19	23.06	23.88	24.69
	6H	19.60	20.30	20.30	21.02	21.84	22.77	23.47	23.47	24.18	25.01
	8H	19.61	20.27	20.32	20.98	21.81	22.88	23.54	23.59	24.25	25.08
	12H	19.60	20.19	20.33	20.93	21.76	22.96	23.55	23.68	24.28	25.12
8H	4H	19.94	20.59	20.64	21.30	22.14	22.54	23.19	23.24	23.91	24.74
	6H	20.21	20.76	20.95	21.51	22.35	22.99	23.53	23.73	24.29	25.12
	8H	20.26	20.74	21.01	21.50	22.35	23.14	23.63	23.89	24.39	25.24
	12H	20.26	20.69	21.01	21.44	22.35	23.26	23.69	24.01	24.43	25.35
12H	4H	19.96	20.55	20.69	21.29	22.13	22.52	23.11	23.25	23.85	24.69
	6H	20.28	20.76	21.03	21.52	22.37	22.99	23.47	23.74	24.23	25.08
	8H	20.36	20.79	21.11	21.54	22.45	23.17	23.60	23.92	24.34	25.26