

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: P934542

Luminaire Tested: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-6-6500K

Issue Date: 12/17/2024

**Test Information**

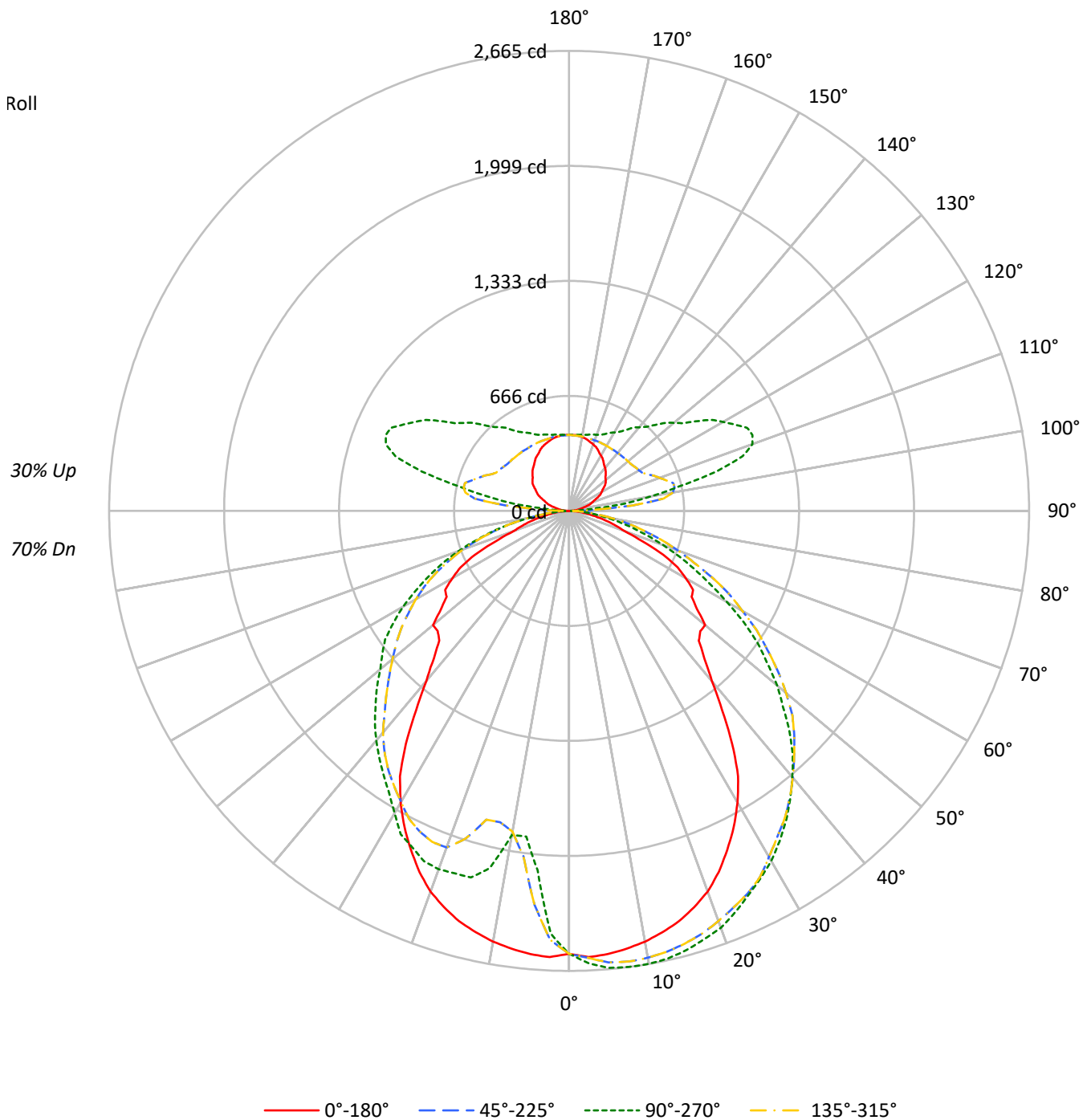
Test Method: LM-79-2019  
Report Number: P934542  
REPORT IS A COMBINATION OF REPORTS P933703 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-6-6500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9508.4 lumens  
Efficiency: N/A  
Efficacy: 113.2 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): 84  
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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CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-6-6500K

### Luminous Intensity Polar Plot





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

RF	20									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	50	30	10	50	30	10	50	30	10	0																
RCR	0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70																
	1	102	98	94	90	97	93	89	86	83	80	78	74	72	70	66	65	63	63	63	63	63	63	63	63	63	63	63	63	59																
	2	93	86	79	74	88	81	76	71	73	68	65	65	62	59	58	56	53	53	53	53	53	53	53	53	53	53	53	53	50																
	3	85	75	68	62	80	71	65	59	64	59	54	58	53	50	52	48	45	45	45	45	45	45	45	45	45	45	45	45	42																
	4	78	67	58	52	73	63	56	50	57	51	46	51	47	43	46	42	39	39	39	39	39	39	39	39	39	39	39	39	36																
	5	72	60	51	45	67	57	49	43	51	45	40	46	41	37	41	37	34	34	34	34	34	34	34	34	34	34	34	34	31																
	6	66	53	45	39	62	51	43	38	46	40	35	42	36	32	38	33	30	30	30	30	30	30	30	30	30	30	30	30	27																
	7	61	48	40	34	58	46	39	33	42	36	31	38	33	29	34	30	27	27	27	27	27	27	27	27	27	27	27	27	24																
	8	57	44	36	30	54	42	35	29	38	32	28	35	29	26	31	27	24	24	24	24	24	24	24	24	24	24	24	24	22																
	9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	21	21	21	21	21	21	21	21	21	21	21	21	19																
	10	49	37	30	25	47	35	28	24	32	26	22	30	25	21	27	23	19	19	19	19	19	19	19	19	19	19	19	19	18																

**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	2.4
10°-20°	657.5	6.9
20°-30°	1016.3	10.7
30°-40°	1213.3	12.8
40°-50°	1220.4	12.8
50°-60°	1061.9	11.2
60°-70°	752.9	7.9
70°-80°	398.3	4.2
80°-90°	100.9	1.1
90°-100°	214.7	2.3
100°-110°	564.5	5.9
110°-120°	585.3	6.2
120°-130°	469.5	4.9
130°-140°	368.4	3.9
140°-150°	282.7	3.0
150°-160°	203.6	2.1
160°-170°	124.6	1.3
170°-180°	42.1	0.4
0°-30°	1905.3	20.0
0°-40°	3118.6	32.8
0°-60°	5400.9	56.8
0°-90°	6653.0	70.0
90°-120°	1364.5	14.4
90°-150°	2485.1	26.1
90°-180°	2855.0	30.0
0°-180°	9508.4	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°	3	11	3	11	3	4
95°	28	130	28	130	28	32
105°	102	884	102	884	102	108
115°	181	1138	181	1138	181	178
125°	251	906	251	906	251	223
135°	300	703	300	703	300	232
145°	347	571	347	571	347	218
155°	393	491	393	491	393	180
165°	424	458	424	458	424	120
175°	440	443	440	443	440	42
180°	440	440	440	440	440	



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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°	3.0	5.4	7.7	8.3	13.0	19.3	22.5	20.0	14.9	11.2	11.2
92.5°	11.9	31.9	52.0	57.1	80.2	111.1	126.5	110.8	79.6	56.1	53.9
95°	28.4	65.1	101.9	111.1	197.4	312.4	369.9	330.1	250.4	190.7	183.9
97.5°	49.1	81.6	114.0	122.1	265.9	457.6	553.4	528.3	477.9	440.1	427.2
100°	65.0	94.5	123.9	131.3	290.8	503.5	609.9	611.7	615.4	618.2	602.9
102.5°	78.6	106.1	133.6	140.5	302.3	518.0	625.8	657.9	722.0	770.1	757.0
105°	101.7	125.0	148.2	154.0	310.7	519.6	624.0	695.9	839.6	947.5	940.4
107.5°	125.4	147.1	168.7	174.1	312.3	496.5	588.5	688.7	889.3	1039.7	1041.4
110°	141.3	160.8	180.4	185.3	309.9	476.0	559.0	671.1	895.3	1063.4	1070.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	157.0	175.7	194.3	199.0	310.0	458.1	532.1	646.9	876.3	1048.3	1059.6
115°	180.6	197.8	215.0	219.4	312.9	437.6	499.9	610.4	831.4	997.1	1012.8
117.5°	204.0	219.6	235.2	239.1	318.7	424.7	477.7	577.4	776.9	926.5	943.9
120°	217.5	232.3	247.0	250.7	323.4	420.3	468.8	559.9	742.2	878.8	895.8
122.5°	230.9	245.7	260.6	264.3	330.2	418.0	462.0	544.1	708.3	831.3	848.0
125°	251.3	264.8	278.3	281.7	339.4	416.2	454.7	524.4	663.8	768.3	783.6
127.5°	267.8	281.5	295.2	298.6	348.5	415.2	448.5	508.3	627.9	717.7	730.6
130°	276.7	291.4	306.2	309.8	355.2	415.8	446.1	499.3	605.9	685.9	697.8
132.5°	285.9	300.6	315.4	319.0	360.7	416.2	444.1	491.8	587.1	658.6	669.3
135°	299.5	312.9	326.3	329.6	366.6	415.8	440.5	480.5	560.3	620.2	629.5
137.5°	313.3	326.6	339.8	343.2	375.4	418.3	439.8	473.6	541.1	591.8	599.3
140°	324.9	337.2	349.3	352.4	380.9	418.8	437.8	467.0	525.3	569.0	576.1
142.5°	333.7	345.0	356.3	359.1	385.3	420.3	437.8	463.5	514.6	553.1	559.2
145°	347.4	357.2	367.1	369.6	391.4	420.3	434.9	455.8	497.7	529.2	533.7
147.5°	361.0	370.5	380.2	382.6	400.0	423.2	434.9	451.3	484.3	509.1	512.9
150°	369.9	378.6	387.2	389.4	404.6	424.7	434.9	448.8	476.7	497.5	500.6
152.5°	378.9	385.5	392.1	393.8	407.4	425.7	434.9	446.7	470.5	488.3	490.6
155°	392.6	397.5	402.3	403.5	413.9	427.9	434.9	444.3	463.3	477.4	479.0
157.5°	402.7	407.3	412.1	413.3	420.4	430.1	434.9	442.2	457.0	468.0	469.0
160°	409.4	413.1	416.7	417.7	423.4	431.1	434.9	441.2	453.8	463.3	463.8
162.5°	416.2	419.0	421.8	422.4	426.6	432.1	434.9	440.2	450.8	458.8	459.4
165°	423.6	426.1	428.6	429.2	431.1	433.6	434.9	438.7	446.3	452.0	452.7
167.5°	430.4	431.5	432.8	433.1	434.7	436.8	437.8	440.3	445.3	449.0	449.3
170°	434.9	436.0	437.3	437.6	437.6	437.7	437.8	440.3	445.3	449.0	449.0
172.5°	437.3	437.6	437.7	437.8	437.8	437.8	437.8	439.8	443.7	446.6	446.4
175°	440.5	440.5	440.5	440.5	439.7	438.4	437.8	439.1	441.6	443.4	443.4
177.5°	440.5	440.5	440.5	440.5	439.8	438.9	438.4	439.4	441.4	442.8	442.5
180°	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5



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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°	11.2	11.2	11.2	11.2	11.2	14.9	20.0	22.5	19.3	13.0	8.3
92.5°	44.9	36.0	44.9	53.9	56.1	79.6	110.8	126.5	111.1	80.2	57.1
95°	156.8	129.8	156.8	183.9	190.7	250.4	330.1	369.9	312.4	197.4	111.1
97.5°	375.8	324.3	375.8	427.2	440.1	477.9	528.3	553.4	457.6	265.9	122.1
100°	541.5	480.1	541.5	602.9	618.2	615.4	611.7	609.9	503.5	290.8	131.3
102.5°	704.4	651.8	704.4	757.0	770.1	722.0	657.9	625.8	518.0	302.3	140.5
105°	912.2	883.9	912.2	940.4	947.5	839.6	695.9	624.0	519.6	310.7	154.0
107.5°	1048.2	1055.1	1048.2	1041.4	1039.7	889.3	688.7	588.5	496.5	312.3	174.1
110°	1100.1	1129.6	1100.1	1070.7	1063.4	895.3	671.1	559.0	476.0	309.9	185.3





TEST NUMBER: P934542

CATALOG NUMBER: SQ4-FA-050U-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°	1104.8	1149.9	1104.8	1059.6	1048.3	876.3	646.9	532.1	458.1	310.0	199.0
115°	1075.4	1138.2	1075.4	1012.8	997.1	831.4	610.4	499.9	437.6	312.9	219.4
117.5°	1013.4	1082.9	1013.4	943.9	926.5	776.9	577.4	477.7	424.7	318.7	239.1
120°	963.3	1030.9	963.3	895.8	878.8	742.2	559.9	468.8	420.3	323.4	250.7
122.5°	914.6	981.1	914.6	848.0	831.3	708.3	544.1	462.0	418.0	330.2	264.3
125°	845.0	906.4	845.0	783.6	768.3	663.8	524.4	454.7	416.2	339.4	281.7
127.5°	782.5	834.3	782.5	730.6	717.7	627.9	508.3	448.5	415.2	348.5	298.6
130°	745.6	793.4	745.6	697.8	685.9	605.9	499.3	446.1	415.8	355.2	309.8
132.5°	712.2	755.0	712.2	669.3	658.6	587.1	491.8	444.1	416.2	360.7	319.0
135°	666.4	703.3	666.4	629.5	620.2	560.3	480.5	440.5	415.8	366.6	329.6
137.5°	629.7	659.9	629.7	599.3	591.8	541.1	473.6	439.8	418.3	375.4	343.2
140°	604.3	632.6	604.3	576.1	569.0	525.3	467.0	437.8	418.8	380.9	352.4
142.5°	583.5	607.8	583.5	559.2	553.1	514.6	463.5	437.8	420.3	385.3	359.1
145°	552.2	570.6	552.2	533.7	529.2	497.7	455.8	434.9	420.3	391.4	369.6
147.5°	528.1	543.3	528.1	512.9	509.1	484.3	451.3	434.9	423.2	400.0	382.6
150°	513.0	525.3	513.0	500.6	497.5	476.7	448.8	434.9	424.7	404.6	389.4
152.5°	500.0	509.4	500.0	490.6	488.3	470.5	446.7	434.9	425.7	407.4	393.8
155°	485.2	491.3	485.2	479.0	477.4	463.3	444.3	434.9	427.9	413.9	403.5
157.5°	473.4	477.7	473.4	469.0	468.0	457.0	442.2	434.9	430.1	420.4	413.3
160°	466.3	468.8	466.3	463.8	463.3	453.8	441.2	434.9	431.1	423.4	417.7
162.5°	461.7	464.1	461.7	459.4	458.8	450.8	440.2	434.9	432.1	426.6	422.4
165°	455.1	457.6	455.1	452.7	452.0	446.3	438.7	434.9	433.6	431.1	429.2
167.5°	450.4	451.4	450.4	449.3	449.0	445.3	440.3	437.8	436.8	434.7	433.1
170°	449.0	449.0	449.0	449.0	449.0	445.3	440.3	437.8	437.7	437.6	437.6
172.5°	445.5	444.6	445.5	446.4	446.6	443.7	439.8	437.8	437.8	437.8	437.8
175°	443.4	443.4	443.4	443.4	443.4	441.6	439.1	437.8	438.4	439.7	440.5
177.5°	441.6	440.5	441.6	442.5	442.8	441.4	439.4	438.4	438.9	439.8	440.5
180°	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5



TEST NUMBER: P934542

CATALOG NUMBER: SQ4-FA-050U-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°	7.7	5.4	3.0	5.4	7.7	8.3	13.0	19.3	22.5	20.0	14.9
92.5°	52.0	31.9	11.9	31.9	52.0	57.1	80.2	111.1	126.5	110.8	79.6
95°	101.9	65.1	28.4	65.1	101.9	111.1	197.4	312.4	369.9	330.1	250.4
97.5°	114.0	81.6	49.1	81.6	114.0	122.1	265.9	457.6	553.4	528.3	477.9
100°	123.9	94.5	65.0	94.5	123.9	131.3	290.8	503.5	609.9	611.7	615.4
102.5°	133.6	106.1	78.6	106.1	133.6	140.5	302.3	518.0	625.8	657.9	722.0
105°	148.2	125.0	101.7	125.0	148.2	154.0	310.7	519.6	624.0	695.9	839.6
107.5°	168.7	147.1	125.4	147.1	168.7	174.1	312.3	496.5	588.5	688.7	889.3
110°	180.4	160.8	141.3	160.8	180.4	185.3	309.9	476.0	559.0	671.1	895.3



TEST NUMBER: P934542

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	194.3	175.7	157.0	175.7	194.3	199.0	310.0	458.1	532.1	646.9	876.3
115°	215.0	197.8	180.6	197.8	215.0	219.4	312.9	437.6	499.9	610.4	831.4
117.5°	235.2	219.6	204.0	219.6	235.2	239.1	318.7	424.7	477.7	577.4	776.9
120°	247.0	232.3	217.5	232.3	247.0	250.7	323.4	420.3	468.8	559.9	742.2
122.5°	260.6	245.7	230.9	245.7	260.6	264.3	330.2	418.0	462.0	544.1	708.3
125°	278.3	264.8	251.3	264.8	278.3	281.7	339.4	416.2	454.7	524.4	663.8
127.5°	295.2	281.5	267.8	281.5	295.2	298.6	348.5	415.2	448.5	508.3	627.9
130°	306.2	291.4	276.7	291.4	306.2	309.8	355.2	415.8	446.1	499.3	605.9
132.5°	315.4	300.6	285.9	300.6	315.4	319.0	360.7	416.2	444.1	491.8	587.1
135°	326.3	312.9	299.5	312.9	326.3	329.6	366.6	415.8	440.5	480.5	560.3
137.5°	339.8	326.6	313.3	326.6	339.8	343.2	375.4	418.3	439.8	473.6	541.1
140°	349.3	337.2	324.9	337.2	349.3	352.4	380.9	418.8	437.8	467.0	525.3
142.5°	356.3	345.0	333.7	345.0	356.3	359.1	385.3	420.3	437.8	463.5	514.6
145°	367.1	357.2	347.4	357.2	367.1	369.6	391.4	420.3	434.9	455.8	497.7
147.5°	380.2	370.5	361.0	370.5	380.2	382.6	400.0	423.2	434.9	451.3	484.3
150°	387.2	378.6	369.9	378.6	387.2	389.4	404.6	424.7	434.9	448.8	476.7
152.5°	392.1	385.5	378.9	385.5	392.1	393.8	407.4	425.7	434.9	446.7	470.5
155°	402.3	397.5	392.6	397.5	402.3	403.5	413.9	427.9	434.9	444.3	463.3
157.5°	412.1	407.3	402.7	407.3	412.1	413.3	420.4	430.1	434.9	442.2	457.0
160°	416.7	413.1	409.4	413.1	416.7	417.7	423.4	431.1	434.9	441.2	453.8
162.5°	421.8	419.0	416.2	419.0	421.8	422.4	426.6	432.1	434.9	440.2	450.8
165°	428.6	426.1	423.6	426.1	428.6	429.2	431.1	433.6	434.9	438.7	446.3
167.5°	432.8	431.5	430.4	431.5	432.8	433.1	434.7	436.8	437.8	440.3	445.3
170°	437.3	436.0	434.9	436.0	437.3	437.6	437.6	437.7	437.8	440.3	445.3
172.5°	437.7	437.6	437.3	437.6	437.7	437.8	437.8	437.8	437.8	439.8	443.7
175°	440.5	440.5	440.5	440.5	440.5	440.5	439.7	438.4	437.8	439.1	441.6
177.5°	440.5	440.5	440.5	440.5	440.5	440.5	439.8	438.9	438.4	439.4	441.4
180°	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5



TEST NUMBER: P934542

CATALOG NUMBER: SQ4-FA-050U-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°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	14.9	20.0	22.5	19.3
92.5°	56.1	53.9	44.9	36.0	44.9	53.9	56.1	79.6	110.8	126.5	111.1
95°	190.7	183.9	156.8	129.8	156.8	183.9	190.7	250.4	330.1	369.9	312.4
97.5°	440.1	427.2	375.8	324.3	375.8	427.2	440.1	477.9	528.3	553.4	457.6
100°	618.2	602.9	541.5	480.1	541.5	602.9	618.2	615.4	611.7	609.9	503.5
102.5°	770.1	757.0	704.4	651.8	704.4	757.0	770.1	722.0	657.9	625.8	518.0
105°	947.5	940.4	912.2	883.9	912.2	940.4	947.5	839.6	695.9	624.0	519.6
107.5°	1039.7	1041.4	1048.2	1055.1	1048.2	1041.4	1039.7	889.3	688.7	588.5	496.5
110°	1063.4	1070.7	1100.1	1129.6	1100.1	1070.7	1063.4	895.3	671.1	559.0	476.0



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1048.3	1059.6	1104.8	1149.9	1104.8	1059.6	1048.3	876.3	646.9	532.1	458.1
115°	997.1	1012.8	1075.4	1138.2	1075.4	1012.8	997.1	831.4	610.4	499.9	437.6
117.5°	926.5	943.9	1013.4	1082.9	1013.4	943.9	926.5	776.9	577.4	477.7	424.7
120°	878.8	895.8	963.3	1030.9	963.3	895.8	878.8	742.2	559.9	468.8	420.3
122.5°	831.3	848.0	914.6	981.1	914.6	848.0	831.3	708.3	544.1	462.0	418.0
125°	768.3	783.6	845.0	906.4	845.0	783.6	768.3	663.8	524.4	454.7	416.2
127.5°	717.7	730.6	782.5	834.3	782.5	730.6	717.7	627.9	508.3	448.5	415.2
130°	685.9	697.8	745.6	793.4	745.6	697.8	685.9	605.9	499.3	446.1	415.8
132.5°	658.6	669.3	712.2	755.0	712.2	669.3	658.6	587.1	491.8	444.1	416.2
135°	620.2	629.5	666.4	703.3	666.4	629.5	620.2	560.3	480.5	440.5	415.8
137.5°	591.8	599.3	629.7	659.9	629.7	599.3	591.8	541.1	473.6	439.8	418.3
140°	569.0	576.1	604.3	632.6	604.3	576.1	569.0	525.3	467.0	437.8	418.8
142.5°	553.1	559.2	583.5	607.8	583.5	559.2	553.1	514.6	463.5	437.8	420.3
145°	529.2	533.7	552.2	570.6	552.2	533.7	529.2	497.7	455.8	434.9	420.3
147.5°	509.1	512.9	528.1	543.3	528.1	512.9	509.1	484.3	451.3	434.9	423.2
150°	497.5	500.6	513.0	525.3	513.0	500.6	497.5	476.7	448.8	434.9	424.7
152.5°	488.3	490.6	500.0	509.4	500.0	490.6	488.3	470.5	446.7	434.9	425.7
155°	477.4	479.0	485.2	491.3	485.2	479.0	477.4	463.3	444.3	434.9	427.9
157.5°	468.0	469.0	473.4	477.7	473.4	469.0	468.0	457.0	442.2	434.9	430.1
160°	463.3	463.8	466.3	468.8	466.3	463.8	463.3	453.8	441.2	434.9	431.1
162.5°	458.8	459.4	461.7	464.1	461.7	459.4	458.8	450.8	440.2	434.9	432.1
165°	452.0	452.7	455.1	457.6	455.1	452.7	452.0	446.3	438.7	434.9	433.6
167.5°	449.0	449.3	450.4	451.4	450.4	449.3	449.0	445.3	440.3	437.8	436.8
170°	449.0	449.0	449.0	449.0	449.0	449.0	449.0	445.3	440.3	437.8	437.7
172.5°	446.6	446.4	445.5	444.6	445.5	446.4	446.6	443.7	439.8	437.8	437.8
175°	443.4	443.4	443.4	443.4	443.4	443.4	443.4	441.6	439.1	437.8	438.4
177.5°	442.8	442.5	441.6	440.5	441.6	442.5	442.8	441.4	439.4	438.4	438.9
180°	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5



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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°	13.0	8.3	7.7	5.4	3.0
92.5°	80.2	57.1	52.0	31.9	11.9
95°	197.4	111.1	101.9	65.1	28.4
97.5°	265.9	122.1	114.0	81.6	49.1
100°	290.8	131.3	123.9	94.5	65.0
102.5°	302.3	140.5	133.6	106.1	78.6
105°	310.7	154.0	148.2	125.0	101.7
107.5°	312.3	174.1	168.7	147.1	125.4
110°	309.9	185.3	180.4	160.8	141.3



TEST NUMBER: P934542

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	310.0	199.0	194.3	175.7	157.0
115°	312.9	219.4	215.0	197.8	180.6
117.5°	318.7	239.1	235.2	219.6	204.0
120°	323.4	250.7	247.0	232.3	217.5
122.5°	330.2	264.3	260.6	245.7	230.9
125°	339.4	281.7	278.3	264.8	251.3
127.5°	348.5	298.6	295.2	281.5	267.8
130°	355.2	309.8	306.2	291.4	276.7
132.5°	360.7	319.0	315.4	300.6	285.9
135°	366.6	329.6	326.3	312.9	299.5
137.5°	375.4	343.2	339.8	326.6	313.3
140°	380.9	352.4	349.3	337.2	324.9
142.5°	385.3	359.1	356.3	345.0	333.7
145°	391.4	369.6	367.1	357.2	347.4
147.5°	400.0	382.6	380.2	370.5	361.0
150°	404.6	389.4	387.2	378.6	369.9
152.5°	407.4	393.8	392.1	385.5	378.9
155°	413.9	403.5	402.3	397.5	392.6
157.5°	420.4	413.3	412.1	407.3	402.7
160°	423.4	417.7	416.7	413.1	409.4
162.5°	426.6	422.4	421.8	419.0	416.2
165°	431.1	429.2	428.6	426.1	423.6
167.5°	434.7	433.1	432.8	431.5	430.4
170°	437.6	437.6	437.3	436.0	434.9
172.5°	437.8	437.8	437.7	437.6	437.3
175°	439.7	440.5	440.5	440.5	440.5
177.5°	439.8	440.5	440.5	440.5	440.5
180°	440.5	440.5	440.5	440.5	440.5



TEST NUMBER: P934542  
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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	16.07	17.15	16.84	17.94	18.89	18.90	19.97	19.66	20.76	21.71
	3H	16.57	17.53	17.35	18.33	19.31	20.26	21.22	21.04	22.02	23.00
	4H	16.77	17.68	17.56	18.48	19.48	20.71	21.62	21.51	22.43	23.42
	6H	16.90	17.74	17.71	18.55	19.56	21.01	21.85	21.81	22.66	23.67
	8H	16.91	17.71	17.72	18.54	19.55	21.09	21.89	21.90	22.72	23.73
	12H	16.88	17.65	17.71	18.47	19.51	21.13	21.89	21.95	22.72	23.76
4H	2H	17.13	18.04	17.93	18.85	19.84	19.33	20.24	20.13	21.05	22.04
	3H	18.18	18.94	18.99	19.78	20.79	20.86	21.62	21.67	22.46	23.47
	4H	18.46	19.15	19.29	19.99	21.03	21.39	22.08	22.22	22.92	23.96
	6H	18.60	19.20	19.44	20.06	21.10	21.77	22.37	22.61	23.23	24.27
	8H	18.61	19.17	19.46	20.03	21.08	21.88	22.44	22.73	23.29	24.35
	12H	18.59	19.09	19.45	19.97	21.03	21.95	22.45	22.81	23.33	24.39
8H	4H	18.93	19.49	19.78	20.35	21.41	21.53	22.09	22.38	22.95	24.01
	6H	19.20	19.66	20.08	20.56	21.62	21.98	22.44	22.85	23.34	24.40
	8H	19.25	19.66	20.13	20.55	21.63	22.13	22.54	23.02	23.44	24.51
	12H	19.24	19.60	20.13	20.49	21.62	22.24	22.60	23.13	23.49	24.61
12H	4H	18.95	19.45	19.81	20.33	21.39	21.51	22.01	22.38	22.89	23.95
	6H	19.27	19.68	20.15	20.57	21.64	21.98	22.39	22.86	23.28	24.36
	8H	19.34	19.70	20.23	20.59	21.72	22.15	22.51	23.04	23.39	24.52