

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: P935362

Luminaire Tested: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-6-3500K

Issue Date: 12/17/2024

**Test Information**

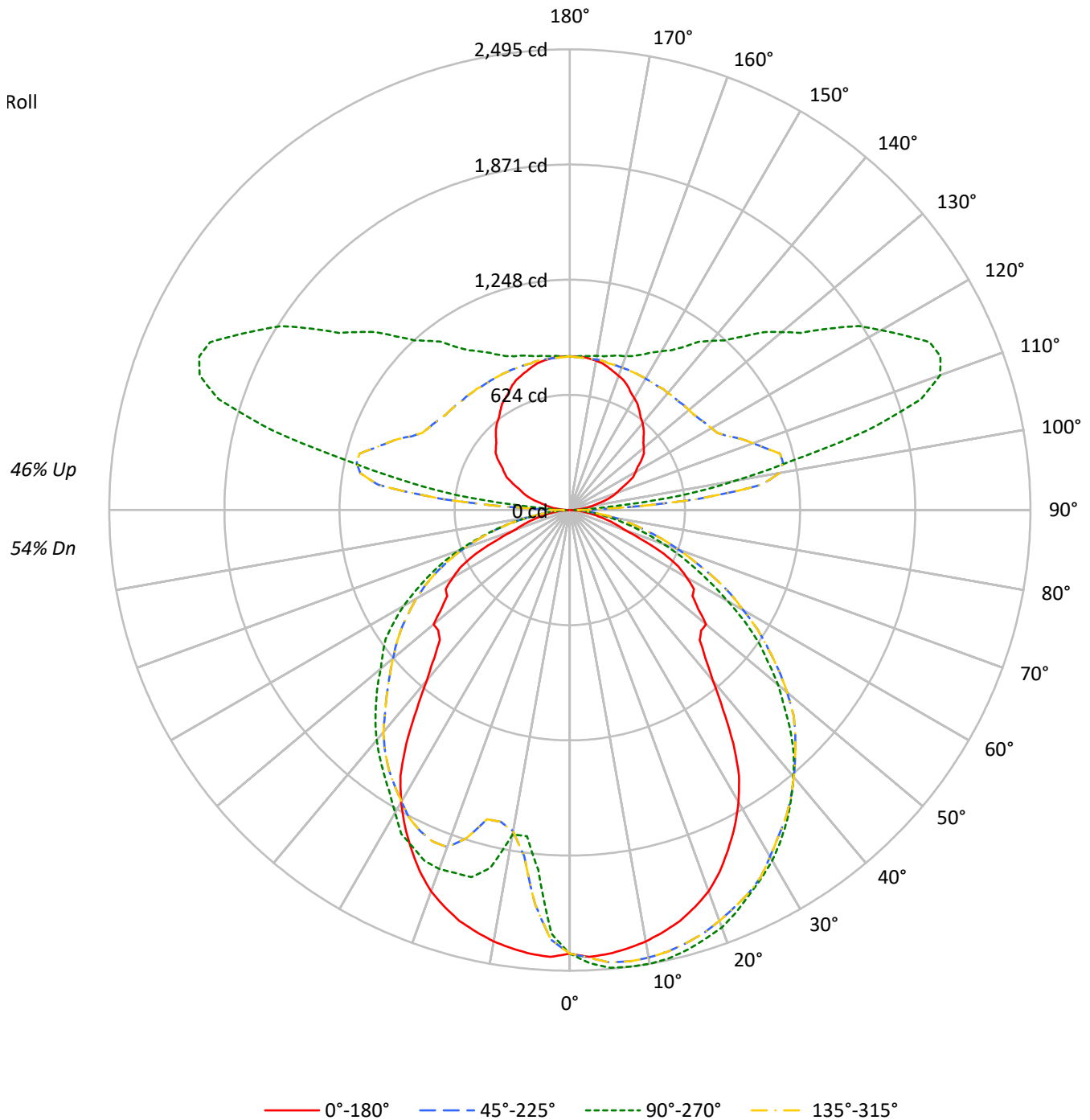
Test Method: LM-79-2019  
Report Number: P935362  
REPORT IS A COMBINATION OF REPORTS P933751 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-6-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11626.5 lumens  
Efficiency: N/A  
Efficacy: 112.7 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: General Diffuse  
  
Input Watts (W): 103.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	54
1	99	94	90	87	91	88	84	81	75	73	70	63	62	60	53	51	50	45
2	90	82	76	71	83	77	71	67	66	62	58	56	53	50	46	44	42	38
3	82	72	65	59	76	67	61	56	58	53	49	49	46	42	41	38	36	32
4	75	64	56	50	69	60	53	47	51	46	42	44	40	36	37	34	31	28
5	69	57	49	43	64	53	46	41	46	40	36	39	35	31	33	30	27	24
6	63	51	43	37	59	48	41	35	41	36	31	35	31	28	30	26	24	21
7	59	46	38	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19
8	54	42	34	29	50	39	32	27	34	29	24	29	25	22	25	22	19	17
9	51	38	31	26	47	36	29	24	31	26	22	27	23	19	23	20	17	15
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	21	18	15	13

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

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

**MAXIMUM LUMINANCE 45°-90°:**

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



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	216.8	1.9
10°-20°	615.6	5.3
20°-30°	951.6	8.2
30°-40°	1136.0	9.8
40°-50°	1142.7	9.8
50°-60°	994.3	8.6
60°-70°	705.0	6.1
70°-80°	373.0	3.2
80°-90°	96.1	0.8
90°-100°	405.7	3.5
100°-110°	1066.6	9.2
110°-120°	1106.0	9.5
120°-130°	887.1	7.6
130°-140°	696.1	6.0
140°-150°	534.3	4.6
150°-160°	384.8	3.3
160°-170°	235.4	2.0
170°-180°	79.5	0.7
0°-30°	1784.0	15.3
0°-40°	2920.0	25.1
0°-60°	5057.0	43.5
0°-90°	6231.0	53.6
90°-120°	2578.3	22.2
90°-150°	4695.8	40.4
90°-180°	5396.0	46.4
0°-180°	11626.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2402	2402	2402	2402	2402	
5°	2413	2488	2413	1956	2413	229
15°	2304	2466	2304	2059	2304	648
25°	2029	2300	2029	2013	2029	932
35°	1543	2052	1543	1752	1543	955
45°	995	1691	995	1484	995	797
55°	811	1248	811	1218	811	745
65°	564	752	564	841	564	539
75°	214	357	214	427	214	225
85°	36	91	36	77	36	49
90°	6	21	6	21	6	6
95°	54	245	54	245	54	60
105°	192	1670	192	1670	192	204
115°	341	2151	341	2151	341	337
125°	475	1713	475	1713	475	422
135°	566	1329	566	1329	566	438
145°	656	1078	656	1078	656	411
155°	742	928	742	928	742	341
165°	800	865	800	865	800	226
175°	832	838	832	838	832	79
180°	832	832	832	832	832	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9
2.5°	2422.4	2422.4	2436.1	2440.5	2440.5	2433.7	2426.9	2433.7	2454.2	2461.0	2458.7
5°	2413.3	2431.5	2456.5	2461.0	2465.6	2463.3	2458.7	2463.3	2486.0	2490.6	2492.8
7.5°	2395.1	2429.2	2461.0	2467.8	2474.6	2467.8	2465.6	2470.1	2492.8	2497.4	2497.4
10°	2372.4	2420.1	2456.5	2461.0	2467.8	2461.0	2461.0	2470.1	2492.8	2497.4	2499.6
12.5°	2340.6	2406.5	2440.5	2445.1	2454.2	2451.9	2449.7	2458.7	2481.4	2486.0	2486.0
15°	2304.3	2381.4	2413.3	2417.9	2433.7	2429.2	2429.2	2438.3	2463.3	2470.1	2467.8
17.5°	2254.2	2349.7	2386.0	2392.8	2404.2	2401.9	2404.2	2413.3	2436.1	2440.5	2442.9
20°	2197.5	2306.5	2349.7	2356.5	2367.8	2367.8	2367.8	2379.2	2401.9	2411.0	2411.0
22.5°	2120.2	2261.0	2306.5	2311.1	2324.7	2324.7	2329.2	2345.1	2365.6	2367.8	2367.8
25°	2029.2	2211.1	2249.7	2263.3	2277.0	2283.8	2290.6	2299.7	2306.5	2304.3	2306.5
27.5°	1933.8	2147.4	2197.5	2206.5	2224.7	2231.5	2240.6	2242.8	2245.2	2252.0	2247.4
30°	1827.0	2058.8	2133.8	2142.8	2172.4	2177.0	2167.9	2172.4	2183.8	2188.3	2192.9
32.5°	1706.6	1927.0	2067.9	2088.3	2115.6	2102.0	2099.7	2106.5	2124.7	2124.7	2129.2
35°	1543.0	1824.7	2006.6	2024.7	2045.2	2029.2	2038.4	2040.6	2052.0	2058.8	2056.5
37.5°	1363.5	1736.1	1942.9	1956.5	1972.5	1952.0	1965.7	1972.5	1981.5	1977.0	1977.0
40°	1204.4	1597.5	1867.9	1877.0	1890.6	1874.7	1888.4	1893.0	1897.4	1893.0	1890.6
42.5°	1086.2	1445.2	1788.4	1799.8	1790.6	1802.0	1806.6	1815.7	1808.8	1799.8	1799.8
45°	995.3	1404.4	1702.0	1715.7	1702.0	1720.3	1727.1	1727.1	1706.6	1702.0	1699.7
47.5°	965.8	1322.6	1615.7	1615.7	1608.9	1631.6	1643.0	1627.1	1606.5	1599.7	1599.7
50°	963.5	1231.7	1497.5	1488.5	1520.2	1547.5	1536.2	1520.2	1504.3	1479.3	1479.3
52.5°	874.9	1120.3	1345.3	1379.3	1429.4	1445.2	1427.0	1411.2	1383.9	1372.5	1363.5
55°	811.2	1004.4	1206.6	1274.8	1327.1	1347.5	1313.4	1297.6	1256.7	1249.9	1245.3
57.5°	797.6	836.2	1079.4	1165.8	1229.4	1227.1	1206.6	1177.1	1143.0	1136.2	1133.9
60°	731.7	604.4	943.0	1045.3	1111.2	1104.4	1086.2	1059.0	1027.1	1022.6	1018.1
62.5°	663.5	438.6	788.5	904.4	997.6	995.3	979.4	938.5	915.8	904.4	895.3
65°	563.6	368.2	561.3	752.2	886.3	890.7	856.7	827.2	802.2	788.5	786.3
67.5°	429.5	299.9	379.5	627.2	779.5	774.9	731.7	718.0	686.3	679.5	665.8
70°	318.1	200.0	263.6	509.0	674.9	663.5	629.5	613.6	584.0	568.1	559.0
72.5°	263.6	161.3	193.1	395.4	568.1	554.5	524.9	506.7	481.8	468.2	459.0
75°	213.6	170.5	147.7	293.1	461.3	452.2	424.9	406.7	386.3	368.2	370.4
77.5°	156.8	159.1	118.2	215.9	365.8	352.2	336.3	313.6	304.5	286.3	286.3
80°	118.2	125.0	88.6	147.7	263.6	263.6	250.0	234.0	218.2	209.1	209.1
82.5°	79.5	79.5	65.9	93.2	179.5	172.7	163.6	159.1	150.0	145.4	145.4
85°	36.3	45.5	40.9	56.9	97.7	102.2	102.2	97.7	95.4	90.9	93.2
87.5°	11.4	20.4	25.0	31.8	50.0	52.3	54.5	54.5	54.5	56.9	56.9
90°	5.6	10.0	14.5	15.7	24.6	36.5	42.4	37.7	28.3	21.2	21.2
92.5°	22.4	60.3	98.3	107.8	151.6	209.9	239.0	209.5	150.4	106.1	101.9
95°	53.6	123.1	192.7	210.0	373.0	590.2	698.8	623.6	473.1	360.3	347.5
97.5°	92.8	154.1	215.4	230.7	502.4	864.6	1045.7	998.2	903.1	831.7	807.4
100°	122.9	178.5	234.1	248.0	549.5	951.4	1152.4	1155.8	1162.8	1168.0	1139.0
102.5°	148.6	200.5	252.4	265.4	571.1	978.8	1182.5	1243.1	1364.3	1455.2	1430.4
105°	192.1	236.1	280.1	291.1	587.1	981.9	1179.2	1315.0	1586.6	1790.3	1776.9
107.5°	236.8	277.8	318.8	329.0	590.1	938.1	1112.2	1301.6	1680.4	1964.6	1967.8
110°	267.0	304.0	341.0	350.2	585.6	899.4	1056.3	1268.0	1691.6	2009.3	2023.1



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	296.6	331.9	367.2	375.9	585.8	865.6	1005.4	1222.2	1655.7	1980.8	2002.1
115°	341.3	373.8	406.3	414.4	591.2	826.7	944.6	1153.3	1571.0	1884.2	1913.8
117.5°	385.4	415.0	444.5	451.9	602.1	802.5	902.7	1091.1	1468.0	1750.6	1783.5
120°	411.1	439.0	466.7	473.7	611.1	794.3	885.9	1058.1	1402.4	1660.7	1692.6
122.5°	436.3	464.3	492.4	499.4	623.9	790.0	873.1	1028.2	1338.2	1570.7	1602.3
125°	474.8	500.4	526.0	532.4	641.3	786.5	859.1	990.8	1254.2	1451.8	1480.8
127.5°	506.1	531.9	557.8	564.2	658.6	784.5	847.4	960.5	1186.6	1356.3	1380.8
130°	522.9	550.7	578.5	585.4	671.3	785.7	842.9	943.6	1144.9	1296.0	1318.5
132.5°	540.1	568.0	595.7	602.7	681.5	786.5	839.0	929.2	1109.4	1244.6	1264.8
135°	565.8	591.2	616.5	622.9	692.7	785.7	832.3	907.8	1058.7	1172.0	1189.4
137.5°	592.1	617.1	642.3	648.6	709.4	790.7	831.2	895.0	1022.6	1118.3	1132.6
140°	613.9	637.0	660.1	665.8	719.7	791.4	827.3	882.4	992.6	1075.3	1088.6
142.5°	630.7	652.1	673.4	678.7	728.2	794.2	827.3	875.7	972.5	1045.1	1056.6
145°	656.4	675.0	693.6	698.3	739.4	794.3	821.7	861.3	940.5	999.9	1008.6
147.5°	682.0	700.1	718.2	722.8	755.7	799.7	821.7	852.9	915.2	961.9	969.1
150°	698.8	715.2	731.6	735.7	764.3	802.6	821.7	848.0	900.6	940.1	945.9
152.5°	716.2	728.6	741.0	744.1	770.0	804.4	821.7	844.2	889.1	922.8	927.2
155°	741.9	751.0	760.1	762.4	782.2	808.6	821.7	839.6	875.3	902.1	905.1
157.5°	760.8	769.8	778.7	780.9	794.5	812.7	821.7	835.6	863.4	884.3	886.4
160°	773.6	780.6	787.6	789.3	800.1	814.6	821.7	833.6	857.4	875.3	876.5
162.5°	786.5	791.7	796.9	798.3	806.0	816.5	821.7	831.7	851.9	866.9	868.0
165°	800.5	805.2	809.9	811.1	814.6	819.4	821.7	828.9	843.3	854.1	855.3
167.5°	813.3	815.5	817.8	818.3	821.3	825.3	827.3	832.0	841.4	848.5	849.0
170°	821.7	824.0	826.2	826.7	826.9	827.2	827.3	832.0	841.4	848.5	848.5
172.5°	826.2	826.6	827.2	827.3	827.3	827.3	827.3	831.0	838.5	844.0	843.6
175°	832.3	832.3	832.3	832.3	830.6	828.3	827.3	829.6	834.3	837.9	837.9
177.5°	832.3	832.3	832.3	832.3	831.0	829.3	828.4	830.3	834.0	836.8	836.2
180°	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9
2.5°	2463.3	2456.5	2463.3	2458.7	2461.0	2454.2	2433.7	2426.9	2433.7	2440.5	2440.5
5°	2492.8	2488.3	2492.8	2492.8	2490.6	2486.0	2463.3	2458.7	2463.3	2465.6	2461.0
7.5°	2501.9	2495.1	2501.9	2497.4	2497.4	2492.8	2470.1	2465.6	2467.8	2474.6	2467.8
10°	2501.9	2495.1	2501.9	2499.6	2497.4	2492.8	2470.1	2461.0	2461.0	2467.8	2461.0
12.5°	2490.6	2486.0	2490.6	2486.0	2486.0	2481.4	2458.7	2449.7	2451.9	2454.2	2445.1
15°	2472.4	2465.6	2472.4	2467.8	2470.1	2463.3	2438.3	2429.2	2429.2	2433.7	2417.9
17.5°	2445.1	2436.1	2445.1	2442.9	2440.5	2436.1	2413.3	2404.2	2401.9	2404.2	2392.8
20°	2413.3	2406.5	2413.3	2411.0	2411.0	2401.9	2379.2	2367.8	2367.8	2367.8	2356.5
22.5°	2363.3	2356.5	2363.3	2367.8	2367.8	2365.6	2345.1	2329.2	2324.7	2324.7	2311.1
25°	2306.5	2299.7	2306.5	2306.5	2304.3	2306.5	2299.7	2290.6	2283.8	2277.0	2263.3
27.5°	2252.0	2247.4	2252.0	2247.4	2252.0	2245.2	2242.8	2240.6	2231.5	2224.7	2206.5
30°	2197.5	2192.9	2197.5	2192.9	2188.3	2183.8	2172.4	2167.9	2177.0	2172.4	2142.8
32.5°	2129.2	2124.7	2129.2	2129.2	2124.7	2124.7	2106.5	2099.7	2102.0	2115.6	2088.3
35°	2058.8	2052.0	2058.8	2056.5	2058.8	2052.0	2040.6	2038.4	2029.2	2045.2	2024.7
37.5°	1977.0	1970.1	1977.0	1977.0	1977.0	1981.5	1972.5	1965.7	1952.0	1972.5	1956.5
40°	1893.0	1883.8	1893.0	1890.6	1893.0	1897.4	1893.0	1888.4	1874.7	1890.6	1877.0
42.5°	1797.5	1795.2	1797.5	1799.8	1799.8	1808.8	1815.7	1806.6	1802.0	1790.6	1799.8
45°	1695.2	1690.7	1695.2	1699.7	1702.0	1706.6	1727.1	1727.1	1720.3	1702.0	1715.7
47.5°	1586.1	1574.8	1586.1	1599.7	1599.7	1606.5	1627.1	1643.0	1631.6	1608.9	1615.7
50°	1470.3	1472.5	1470.3	1479.3	1479.3	1504.3	1520.2	1536.2	1547.5	1520.2	1488.5
52.5°	1356.7	1354.3	1356.7	1363.5	1372.5	1383.9	1411.2	1427.0	1445.2	1429.4	1379.3
55°	1243.0	1247.5	1243.0	1245.3	1249.9	1256.7	1297.6	1313.4	1347.5	1327.1	1274.8
57.5°	1129.3	1122.5	1129.3	1133.9	1136.2	1143.0	1177.1	1206.6	1227.1	1229.4	1165.8
60°	997.6	988.5	997.6	1018.1	1022.6	1027.1	1059.0	1086.2	1104.4	1111.2	1045.3
62.5°	881.7	865.8	881.7	895.3	904.4	915.8	938.5	979.4	995.3	997.6	904.4
65°	759.0	752.2	759.0	786.3	788.5	802.2	827.2	856.7	890.7	886.3	752.2
67.5°	647.7	647.7	647.7	665.8	679.5	686.3	718.0	731.7	774.9	779.5	627.2
70°	545.3	543.1	545.3	559.0	568.1	584.0	613.6	629.5	663.5	674.9	509.0
72.5°	447.7	445.4	447.7	459.0	468.2	481.8	506.7	524.9	554.5	568.1	395.4
75°	361.3	356.8	361.3	370.4	368.2	386.3	406.7	424.9	452.2	461.3	293.1
77.5°	277.3	277.3	277.3	286.3	286.3	304.5	313.6	336.3	352.2	365.8	215.9
80°	206.8	204.5	206.8	209.1	209.1	218.2	234.0	250.0	263.6	263.6	147.7
82.5°	145.4	140.9	145.4	145.4	145.4	150.0	159.1	163.6	172.7	179.5	93.2
85°	90.9	90.9	90.9	93.2	90.9	95.4	97.7	102.2	102.2	97.7	56.9
87.5°	59.1	56.9	59.1	56.9	56.9	54.5	54.5	54.5	52.3	50.0	31.8
90°	21.2	21.2	21.2	21.2	21.2	28.3	37.7	42.4	36.5	24.6	15.7
92.5°	85.0	68.1	85.0	101.9	106.1	150.4	209.5	239.0	209.9	151.6	107.8
95°	296.3	245.2	296.3	347.5	360.3	473.1	623.6	698.8	590.2	373.0	210.0
97.5°	710.1	612.8	710.1	807.4	831.7	903.1	998.2	1045.7	864.6	502.4	230.7
100°	1023.1	907.1	1023.1	1139.0	1168.0	1162.8	1155.8	1152.4	951.4	549.5	248.0
102.5°	1331.0	1231.7	1331.0	1430.4	1455.2	1364.3	1243.1	1182.5	978.8	571.1	265.4
105°	1723.6	1670.2	1723.6	1776.9	1790.3	1586.6	1315.0	1179.2	981.9	587.1	291.1
107.5°	1980.8	1993.7	1980.8	1967.8	1964.6	1680.4	1301.6	1112.2	938.1	590.1	329.0
110°	2078.8	2134.4	2078.8	2023.1	2009.3	1691.6	1268.0	1056.3	899.4	585.6	350.2





TEST NUMBER: P935362

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2087.5	2172.9	2087.5	2002.1	1980.8	1655.7	1222.2	1005.4	865.6	585.8	375.9
115°	2032.2	2150.6	2032.2	1913.8	1884.2	1571.0	1153.3	944.6	826.7	591.2	414.4
117.5°	1914.8	2046.1	1914.8	1783.5	1750.6	1468.0	1091.1	902.7	802.5	602.1	451.9
120°	1820.3	1947.8	1820.3	1692.6	1660.7	1402.4	1058.1	885.9	794.3	611.1	473.7
122.5°	1728.1	1854.0	1728.1	1602.3	1570.7	1338.2	1028.2	873.1	790.0	623.9	499.4
125°	1596.7	1712.6	1596.7	1480.8	1451.8	1254.2	990.8	859.1	786.5	641.3	532.4
127.5°	1478.6	1576.4	1478.6	1380.8	1356.3	1186.6	960.5	847.4	784.5	658.6	564.2
130°	1409.0	1499.3	1409.0	1318.5	1296.0	1144.9	943.6	842.9	785.7	671.3	585.4
132.5°	1345.7	1426.7	1345.7	1264.8	1244.6	1109.4	929.2	839.0	786.5	681.5	602.7
135°	1259.2	1328.9	1259.2	1189.4	1172.0	1058.7	907.8	832.3	785.7	692.7	622.9
137.5°	1189.7	1246.8	1189.7	1132.6	1118.3	1022.6	895.0	831.2	790.7	709.4	648.6
140°	1142.1	1195.4	1142.1	1088.6	1075.3	992.6	882.4	827.3	791.4	719.7	665.8
142.5°	1102.6	1148.5	1102.6	1056.6	1045.1	972.5	875.7	827.3	794.2	728.2	678.7
145°	1043.4	1078.1	1043.4	1008.6	999.9	940.5	861.3	821.7	794.3	739.4	698.3
147.5°	997.9	1026.7	997.9	969.1	961.9	915.2	852.9	821.7	799.7	755.7	722.8
150°	969.3	992.6	969.3	945.9	940.1	900.6	848.0	821.7	802.6	764.3	735.7
152.5°	944.8	962.5	944.8	927.2	922.8	889.1	844.2	821.7	804.4	770.0	744.1
155°	916.7	928.3	916.7	905.1	902.1	875.3	839.6	821.7	808.6	782.2	762.4
157.5°	894.5	902.7	894.5	886.4	884.3	863.4	835.6	821.7	812.7	794.5	780.9
160°	881.3	885.9	881.3	876.5	875.3	857.4	833.6	821.7	814.6	800.1	789.3
162.5°	872.5	877.0	872.5	868.0	866.9	851.9	831.7	821.7	816.5	806.0	798.3
165°	860.0	864.7	860.0	855.3	854.1	843.3	828.9	821.7	819.4	814.6	811.1
167.5°	851.0	853.0	851.0	849.0	848.5	841.4	832.0	827.3	825.3	821.3	818.3
170°	848.5	848.5	848.5	848.5	848.5	841.4	832.0	827.3	827.2	826.9	826.7
172.5°	841.9	840.2	841.9	843.6	844.0	838.5	831.0	827.3	827.3	827.3	827.3
175°	837.9	837.9	837.9	837.9	837.9	834.3	829.6	827.3	828.3	830.6	832.3
177.5°	834.3	832.3	834.3	836.2	836.8	834.0	830.3	828.4	829.3	831.0	832.3
180°	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3



TEST NUMBER: P935362

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9
2.5°	2436.1	2422.4	2422.4	2399.7	2390.6	2383.8	2372.4	2338.3	2329.2	2320.1	2333.7
5°	2456.5	2431.5	2413.3	2372.4	2338.3	2324.7	2281.5	2199.7	2145.2	2104.3	2081.5
7.5°	2461.0	2429.2	2395.1	2331.5	2249.7	2213.3	2081.5	1931.5	1890.6	1854.3	1831.5
10°	2456.5	2420.1	2372.4	2277.0	2083.8	2020.2	1888.4	1790.6	1765.6	1758.8	1765.6
12.5°	2440.5	2406.5	2340.6	2181.5	1911.1	1867.9	1790.6	1733.9	1729.3	1740.7	1802.0
15°	2413.3	2381.4	2304.3	2054.3	1815.7	1783.8	1729.3	1708.9	1733.9	1813.4	1997.4
17.5°	2386.0	2349.7	2254.2	1929.3	1742.9	1720.3	1681.6	1722.5	1863.4	1970.1	2031.6
20°	2349.7	2306.5	2197.5	1838.3	1690.7	1670.2	1652.0	1836.1	1942.9	1981.5	2015.6
22.5°	2306.5	2261.0	2120.2	1774.8	1636.1	1620.2	1631.6	1899.8	1942.9	1970.1	1999.7
25°	2249.7	2211.1	2029.2	1724.7	1592.9	1574.8	1617.9	1893.0	1917.9	1924.7	1983.8
27.5°	2197.5	2147.4	1933.8	1679.3	1540.7	1533.8	1629.3	1863.4	1881.6	1888.4	1952.0
30°	2133.8	2058.8	1827.0	1631.6	1486.1	1483.9	1631.6	1827.0	1822.5	1840.7	1904.2
32.5°	2067.9	1927.0	1706.6	1572.5	1433.9	1431.6	1615.7	1772.4	1768.0	1793.0	1840.7
35°	2006.6	1824.7	1543.0	1504.3	1367.9	1370.3	1577.1	1708.9	1711.1	1733.9	1763.4
37.5°	1942.9	1736.1	1363.5	1429.4	1304.4	1304.4	1524.8	1649.8	1645.2	1652.0	1692.9
40°	1867.9	1597.5	1204.4	1331.6	1245.3	1238.5	1461.1	1586.1	1570.2	1568.0	1624.8
42.5°	1788.4	1445.2	1086.2	1202.1	1177.1	1168.0	1383.9	1508.9	1479.3	1486.1	1558.8
45°	1702.0	1404.4	995.3	1015.7	1106.7	1099.8	1299.8	1420.2	1399.8	1418.0	1492.9
47.5°	1615.7	1322.6	965.8	843.0	1031.7	1029.4	1206.6	1333.9	1322.6	1340.7	1420.2
50°	1497.5	1231.7	963.5	722.6	947.6	956.6	1095.3	1249.9	1249.9	1265.7	1349.8
52.5°	1345.3	1120.3	874.9	654.5	849.9	877.1	997.6	1177.1	1181.6	1197.6	1272.5
55°	1206.6	1004.4	811.2	602.2	734.0	793.1	902.1	1102.1	1111.2	1127.1	1195.2
57.5°	1079.4	836.2	797.6	540.9	627.2	684.0	818.0	1029.4	1033.9	1047.6	1113.5
60°	943.0	604.4	731.7	475.0	534.1	577.2	740.8	943.0	959.0	968.0	1024.9
62.5°	788.5	438.6	663.5	429.5	488.6	497.6	677.2	861.2	881.7	888.5	922.6
65°	561.3	368.2	563.6	390.9	440.9	443.1	609.0	777.1	795.3	806.7	831.7
67.5°	379.5	299.9	429.5	354.5	404.5	406.7	543.1	679.5	704.4	713.6	729.4
70°	263.6	200.0	318.1	315.9	363.6	368.2	472.6	590.8	613.6	620.4	629.5
72.5°	193.1	161.3	263.6	284.1	320.4	325.0	399.9	490.8	513.6	520.4	524.9
75°	147.7	170.5	213.6	247.7	272.7	275.0	327.2	399.9	415.9	420.4	422.7
77.5°	118.2	159.1	156.8	200.0	222.7	218.2	256.8	309.1	322.7	322.7	322.7
80°	88.6	125.0	118.2	143.2	163.6	159.1	184.1	220.4	225.0	229.5	227.2
82.5°	65.9	79.5	79.5	90.9	109.0	104.6	122.7	143.2	143.2	143.2	147.7
85°	40.9	45.5	36.3	47.7	61.3	59.1	68.1	77.3	79.5	79.5	75.0
87.5°	25.0	20.4	11.4	18.2	27.3	27.3	31.8	34.1	31.8	31.8	31.8
90°	14.5	10.0	5.6	10.0	14.5	15.7	24.6	36.5	42.4	37.7	28.3
92.5°	98.3	60.3	22.4	60.3	98.3	107.8	151.6	209.9	239.0	209.5	150.4
95°	192.7	123.1	53.6	123.1	192.7	210.0	373.0	590.2	698.8	623.6	473.1
97.5°	215.4	154.1	92.8	154.1	215.4	230.7	502.4	864.6	1045.7	998.2	903.1
100°	234.1	178.5	122.9	178.5	234.1	248.0	549.5	951.4	1152.4	1155.8	1162.8
102.5°	252.4	200.5	148.6	200.5	252.4	265.4	571.1	978.8	1182.5	1243.1	1364.3
105°	280.1	236.1	192.1	236.1	280.1	291.1	587.1	981.9	1179.2	1315.0	1586.6
107.5°	318.8	277.8	236.8	277.8	318.8	329.0	590.1	938.1	1112.2	1301.6	1680.4
110°	341.0	304.0	267.0	304.0	341.0	350.2	585.6	899.4	1056.3	1268.0	1691.6



TEST NUMBER: P935362

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	367.2	331.9	296.6	331.9	367.2	375.9	585.8	865.6	1005.4	1222.2	1655.7
115°	406.3	373.8	341.3	373.8	406.3	414.4	591.2	826.7	944.6	1153.3	1571.0
117.5°	444.5	415.0	385.4	415.0	444.5	451.9	602.1	802.5	902.7	1091.1	1468.0
120°	466.7	439.0	411.1	439.0	466.7	473.7	611.1	794.3	885.9	1058.1	1402.4
122.5°	492.4	464.3	436.3	464.3	492.4	499.4	623.9	790.0	873.1	1028.2	1338.2
125°	526.0	500.4	474.8	500.4	526.0	532.4	641.3	786.5	859.1	990.8	1254.2
127.5°	557.8	531.9	506.1	531.9	557.8	564.2	658.6	784.5	847.4	960.5	1186.6
130°	578.5	550.7	522.9	550.7	578.5	585.4	671.3	785.7	842.9	943.6	1144.9
132.5°	595.7	568.0	540.1	568.0	595.7	602.7	681.5	786.5	839.0	929.2	1109.4
135°	616.5	591.2	565.8	591.2	616.5	622.9	692.7	785.7	832.3	907.8	1058.7
137.5°	642.3	617.1	592.1	617.1	642.3	648.6	709.4	790.7	831.2	895.0	1022.6
140°	660.1	637.0	613.9	637.0	660.1	665.8	719.7	791.4	827.3	882.4	992.6
142.5°	673.4	652.1	630.7	652.1	673.4	678.7	728.2	794.2	827.3	875.7	972.5
145°	693.6	675.0	656.4	675.0	693.6	698.3	739.4	794.3	821.7	861.3	940.5
147.5°	718.2	700.1	682.0	700.1	718.2	722.8	755.7	799.7	821.7	852.9	915.2
150°	731.6	715.2	698.8	715.2	731.6	735.7	764.3	802.6	821.7	848.0	900.6
152.5°	741.0	728.6	716.2	728.6	741.0	744.1	770.0	804.4	821.7	844.2	889.1
155°	760.1	751.0	741.9	751.0	760.1	762.4	782.2	808.6	821.7	839.6	875.3
157.5°	778.7	769.8	760.8	769.8	778.7	780.9	794.5	812.7	821.7	835.6	863.4
160°	787.6	780.6	773.6	780.6	787.6	789.3	800.1	814.6	821.7	833.6	857.4
162.5°	796.9	791.7	786.5	791.7	796.9	798.3	806.0	816.5	821.7	831.7	851.9
165°	809.9	805.2	800.5	805.2	809.9	811.1	814.6	819.4	821.7	828.9	843.3
167.5°	817.8	815.5	813.3	815.5	817.8	818.3	821.3	825.3	827.3	832.0	841.4
170°	826.2	824.0	821.7	824.0	826.2	826.7	826.9	827.2	827.3	832.0	841.4
172.5°	827.2	826.6	826.2	826.6	827.2	827.3	827.3	827.3	827.3	831.0	838.5
175°	832.3	832.3	832.3	832.3	832.3	832.3	830.6	828.3	827.3	829.6	834.3
177.5°	832.3	832.3	832.3	832.3	832.3	832.3	831.0	829.3	828.4	830.3	834.0
180°	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3



TEST NUMBER: P935362  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9
2.5°	2317.9	2311.1	2320.1	2295.1	2320.1	2311.1	2317.9	2333.7	2320.1	2329.2	2338.3
5°	2033.8	2022.4	1986.1	1956.5	1986.1	2022.4	2033.8	2081.5	2104.3	2145.2	2199.7
7.5°	1817.9	1808.8	1799.8	1781.6	1799.8	1808.8	1817.9	1831.5	1854.3	1890.6	1931.5
10°	1770.2	1772.4	1786.1	1783.8	1786.1	1772.4	1770.2	1765.6	1758.8	1765.6	1790.6
12.5°	1893.0	1913.4	1988.4	1983.8	1988.4	1913.4	1893.0	1802.0	1740.7	1729.3	1733.9
15°	2033.8	2040.6	2056.5	2058.8	2056.5	2040.6	2033.8	1997.4	1813.4	1733.9	1708.9
17.5°	2047.4	2049.7	2061.1	2061.1	2061.1	2049.7	2047.4	2031.6	1970.1	1863.4	1722.5
20°	2036.1	2040.6	2063.3	2067.9	2063.3	2040.6	2036.1	2015.6	1981.5	1942.9	1836.1
22.5°	2031.6	2040.6	2058.8	2056.5	2058.8	2040.6	2031.6	1999.7	1970.1	1942.9	1899.8
25°	2008.8	2008.8	2011.0	2013.4	2011.0	2008.8	2008.8	1983.8	1924.7	1917.9	1893.0
27.5°	1961.1	1965.7	1979.3	1977.0	1979.3	1965.7	1961.1	1952.0	1888.4	1881.6	1863.4
30°	1917.9	1913.4	1902.0	1893.0	1902.0	1913.4	1917.9	1904.2	1840.7	1822.5	1827.0
32.5°	1845.2	1833.9	1822.5	1815.7	1822.5	1833.9	1845.2	1840.7	1793.0	1768.0	1772.4
35°	1758.8	1761.1	1758.8	1752.0	1758.8	1761.1	1758.8	1763.4	1733.9	1711.1	1708.9
37.5°	1697.5	1702.0	1699.7	1690.7	1699.7	1702.0	1697.5	1692.9	1652.0	1645.2	1649.8
40°	1633.9	1636.1	1633.9	1627.1	1633.9	1636.1	1633.9	1624.8	1568.0	1570.2	1586.1
42.5°	1572.5	1570.2	1563.4	1558.8	1563.4	1570.2	1572.5	1558.8	1486.1	1479.3	1508.9
45°	1502.1	1504.3	1490.7	1483.9	1490.7	1504.3	1502.1	1492.9	1418.0	1399.8	1420.2
47.5°	1431.6	1431.6	1420.2	1413.4	1420.2	1431.6	1431.6	1420.2	1340.7	1322.6	1333.9
50°	1356.7	1354.3	1338.5	1336.2	1338.5	1354.3	1356.7	1349.8	1265.7	1249.9	1249.9
52.5°	1270.3	1270.3	1272.5	1277.1	1272.5	1270.3	1270.3	1272.5	1197.6	1181.6	1177.1
55°	1195.2	1197.6	1213.5	1218.0	1213.5	1197.6	1195.2	1195.2	1127.1	1111.2	1102.1
57.5°	1118.1	1118.1	1129.3	1129.3	1129.3	1118.1	1118.1	1113.5	1047.6	1033.9	1029.4
60°	1029.4	1033.9	1043.0	1040.8	1043.0	1033.9	1029.4	1024.9	968.0	959.0	943.0
62.5°	936.2	940.8	943.0	938.5	943.0	940.8	936.2	922.6	888.5	881.7	861.2
65°	838.5	843.0	845.4	840.8	845.4	843.0	838.5	831.7	806.7	795.3	777.1
67.5°	738.5	736.2	734.0	743.1	734.0	736.2	738.5	729.4	713.6	704.4	679.5
70°	636.3	636.3	634.0	638.5	634.0	636.3	636.3	629.5	620.4	613.6	590.8
72.5°	527.2	524.9	534.1	527.2	534.1	524.9	527.2	524.9	520.4	513.6	490.8
75°	420.4	424.9	420.4	427.2	420.4	424.9	420.4	422.7	420.4	415.9	399.9
77.5°	320.4	325.0	320.4	320.4	320.4	325.0	320.4	322.7	322.7	322.7	309.1
80°	227.2	225.0	225.0	222.7	225.0	225.0	227.2	227.2	229.5	225.0	220.4
82.5°	145.4	143.2	143.2	147.7	143.2	143.2	145.4	147.7	143.2	143.2	143.2
85°	79.5	81.8	77.3	77.3	77.3	81.8	79.5	75.0	79.5	79.5	77.3
87.5°	29.5	27.3	27.3	27.3	27.3	27.3	29.5	31.8	31.8	31.8	34.1
90°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	28.3	37.7	42.4	36.5
92.5°	106.1	101.9	85.0	68.1	85.0	101.9	106.1	150.4	209.5	239.0	209.9
95°	360.3	347.5	296.3	245.2	296.3	347.5	360.3	473.1	623.6	698.8	590.2
97.5°	831.7	807.4	710.1	612.8	710.1	807.4	831.7	903.1	998.2	1045.7	864.6
100°	1168.0	1139.0	1023.1	907.1	1023.1	1139.0	1168.0	1162.8	1155.8	1152.4	951.4
102.5°	1455.2	1430.4	1331.0	1231.7	1331.0	1430.4	1455.2	1364.3	1243.1	1182.5	978.8
105°	1790.3	1776.9	1723.6	1670.2	1723.6	1776.9	1790.3	1586.6	1315.0	1179.2	981.9
107.5°	1964.6	1967.8	1980.8	1993.7	1980.8	1967.8	1964.6	1680.4	1301.6	1112.2	938.1
110°	2009.3	2023.1	2078.8	2134.4	2078.8	2023.1	2009.3	1691.6	1268.0	1056.3	899.4



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1980.8	2002.1	2087.5	2172.9	2087.5	2002.1	1980.8	1655.7	1222.2	1005.4	865.6
115°	1884.2	1913.8	2032.2	2150.6	2032.2	1913.8	1884.2	1571.0	1153.3	944.6	826.7
117.5°	1750.6	1783.5	1914.8	2046.1	1914.8	1783.5	1750.6	1468.0	1091.1	902.7	802.5
120°	1660.7	1692.6	1820.3	1947.8	1820.3	1692.6	1660.7	1402.4	1058.1	885.9	794.3
122.5°	1570.7	1602.3	1728.1	1854.0	1728.1	1602.3	1570.7	1338.2	1028.2	873.1	790.0
125°	1451.8	1480.8	1596.7	1712.6	1596.7	1480.8	1451.8	1254.2	990.8	859.1	786.5
127.5°	1356.3	1380.8	1478.6	1576.4	1478.6	1380.8	1356.3	1186.6	960.5	847.4	784.5
130°	1296.0	1318.5	1409.0	1499.3	1409.0	1318.5	1296.0	1144.9	943.6	842.9	785.7
132.5°	1244.6	1264.8	1345.7	1426.7	1345.7	1264.8	1244.6	1109.4	929.2	839.0	786.5
135°	1172.0	1189.4	1259.2	1328.9	1259.2	1189.4	1172.0	1058.7	907.8	832.3	785.7
137.5°	1118.3	1132.6	1189.7	1246.8	1189.7	1132.6	1118.3	1022.6	895.0	831.2	790.7
140°	1075.3	1088.6	1142.1	1195.4	1142.1	1088.6	1075.3	992.6	882.4	827.3	791.4
142.5°	1045.1	1056.6	1102.6	1148.5	1102.6	1056.6	1045.1	972.5	875.7	827.3	794.2
145°	999.9	1008.6	1043.4	1078.1	1043.4	1008.6	999.9	940.5	861.3	821.7	794.3
147.5°	961.9	969.1	997.9	1026.7	997.9	969.1	961.9	915.2	852.9	821.7	799.7
150°	940.1	945.9	969.3	992.6	969.3	945.9	940.1	900.6	848.0	821.7	802.6
152.5°	922.8	927.2	944.8	962.5	944.8	927.2	922.8	889.1	844.2	821.7	804.4
155°	902.1	905.1	916.7	928.3	916.7	905.1	902.1	875.3	839.6	821.7	808.6
157.5°	884.3	886.4	894.5	902.7	894.5	886.4	884.3	863.4	835.6	821.7	812.7
160°	875.3	876.5	881.3	885.9	881.3	876.5	875.3	857.4	833.6	821.7	814.6
162.5°	866.9	868.0	872.5	877.0	872.5	868.0	866.9	851.9	831.7	821.7	816.5
165°	854.1	855.3	860.0	864.7	860.0	855.3	854.1	843.3	828.9	821.7	819.4
167.5°	848.5	849.0	851.0	853.0	851.0	849.0	848.5	841.4	832.0	827.3	825.3
170°	848.5	848.5	848.5	848.5	848.5	848.5	848.5	841.4	832.0	827.3	827.2
172.5°	844.0	843.6	841.9	840.2	841.9	843.6	844.0	838.5	831.0	827.3	827.3
175°	837.9	837.9	837.9	837.9	837.9	837.9	837.9	834.3	829.6	827.3	828.3
177.5°	836.8	836.2	834.3	832.3	834.3	836.2	836.8	834.0	830.3	828.4	829.3
180°	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2401.9	2401.9	2401.9	2401.9	2401.9
2.5°	2372.4	2383.8	2390.6	2399.7	2422.4
5°	2281.5	2324.7	2338.3	2372.4	2413.3
7.5°	2081.5	2213.3	2249.7	2331.5	2395.1
10°	1888.4	2020.2	2083.8	2277.0	2372.4
12.5°	1790.6	1867.9	1911.1	2181.5	2340.6
15°	1729.3	1783.8	1815.7	2054.3	2304.3
17.5°	1681.6	1720.3	1742.9	1929.3	2254.2
20°	1652.0	1670.2	1690.7	1838.3	2197.5
22.5°	1631.6	1620.2	1636.1	1774.8	2120.2
25°	1617.9	1574.8	1592.9	1724.7	2029.2
27.5°	1629.3	1533.8	1540.7	1679.3	1933.8
30°	1631.6	1483.9	1486.1	1631.6	1827.0
32.5°	1615.7	1431.6	1433.9	1572.5	1706.6
35°	1577.1	1370.3	1367.9	1504.3	1543.0
37.5°	1524.8	1304.4	1304.4	1429.4	1363.5
40°	1461.1	1238.5	1245.3	1331.6	1204.4
42.5°	1383.9	1168.0	1177.1	1202.1	1086.2
45°	1299.8	1099.8	1106.7	1015.7	995.3
47.5°	1206.6	1029.4	1031.7	843.0	965.8
50°	1095.3	956.6	947.6	722.6	963.5
52.5°	997.6	877.1	849.9	654.5	874.9
55°	902.1	793.1	734.0	602.2	811.2
57.5°	818.0	684.0	627.2	540.9	797.6
60°	740.8	577.2	534.1	475.0	731.7
62.5°	677.2	497.6	488.6	429.5	663.5
65°	609.0	443.1	440.9	390.9	563.6
67.5°	543.1	406.7	404.5	354.5	429.5
70°	472.6	368.2	363.6	315.9	318.1
72.5°	399.9	325.0	320.4	284.1	263.6
75°	327.2	275.0	272.7	247.7	213.6
77.5°	256.8	218.2	222.7	200.0	156.8
80°	184.1	159.1	163.6	143.2	118.2
82.5°	122.7	104.6	109.0	90.9	79.5
85°	68.1	59.1	61.3	47.7	36.3
87.5°	31.8	27.3	27.3	18.2	11.4
90°	24.6	15.7	14.5	10.0	5.6
92.5°	151.6	107.8	98.3	60.3	22.4
95°	373.0	210.0	192.7	123.1	53.6
97.5°	502.4	230.7	215.4	154.1	92.8
100°	549.5	248.0	234.1	178.5	122.9
102.5°	571.1	265.4	252.4	200.5	148.6
105°	587.1	291.1	280.1	236.1	192.1
107.5°	590.1	329.0	318.8	277.8	236.8
110°	585.6	350.2	341.0	304.0	267.0



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CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	585.8	375.9	367.2	331.9	296.6
115°	591.2	414.4	406.3	373.8	341.3
117.5°	602.1	451.9	444.5	415.0	385.4
120°	611.1	473.7	466.7	439.0	411.1
122.5°	623.9	499.4	492.4	464.3	436.3
125°	641.3	532.4	526.0	500.4	474.8
127.5°	658.6	564.2	557.8	531.9	506.1
130°	671.3	585.4	578.5	550.7	522.9
132.5°	681.5	602.7	595.7	568.0	540.1
135°	692.7	622.9	616.5	591.2	565.8
137.5°	709.4	648.6	642.3	617.1	592.1
140°	719.7	665.8	660.1	637.0	613.9
142.5°	728.2	678.7	673.4	652.1	630.7
145°	739.4	698.3	693.6	675.0	656.4
147.5°	755.7	722.8	718.2	700.1	682.0
150°	764.3	735.7	731.6	715.2	698.8
152.5°	770.0	744.1	741.0	728.6	716.2
155°	782.2	762.4	760.1	751.0	741.9
157.5°	794.5	780.9	778.7	769.8	760.8
160°	800.1	789.3	787.6	780.6	773.6
162.5°	806.0	798.3	796.9	791.7	786.5
165°	814.6	811.1	809.9	805.2	800.5
167.5°	821.3	818.3	817.8	815.5	813.3
170°	826.9	826.7	826.2	824.0	821.7
172.5°	827.3	827.3	827.2	826.6	826.2
175°	830.6	832.3	832.3	832.3	832.3
177.5°	831.0	832.3	832.3	832.3	832.3
180°	832.3	832.3	832.3	832.3	832.3



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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.50	15.40	15.43	16.34	17.56	17.33	18.22	18.25	19.17	20.39
	3H	14.98	15.79	15.92	16.74	17.98	18.68	19.48	19.61	20.43	21.67
	4H	15.18	15.94	16.13	16.89	18.14	19.12	19.88	20.07	20.84	22.09
	6H	15.30	16.00	16.26	16.96	18.22	19.41	20.10	20.37	21.07	22.33
	8H	15.30	15.97	16.27	16.95	18.21	19.48	20.14	20.45	21.13	22.39
	12H	15.27	15.91	16.25	16.88	18.17	19.52	20.15	20.49	21.13	22.41
4H	2H	15.54	16.30	16.50	17.26	18.51	17.74	18.50	18.70	19.46	20.71
	3H	16.57	17.20	17.54	18.19	19.46	19.25	19.88	20.22	20.87	22.13
	4H	16.85	17.42	17.82	18.41	19.70	19.78	20.35	20.75	21.34	22.63
	6H	16.97	17.47	17.96	18.48	19.77	20.14	20.64	21.13	21.65	22.93
	8H	16.98	17.45	17.97	18.44	19.75	20.25	20.71	21.24	21.71	23.02
	12H	16.95	17.37	17.96	18.38	19.69	20.31	20.73	21.32	21.74	23.05
8H	4H	17.30	17.77	18.29	18.77	20.07	19.91	20.37	20.90	21.37	22.67
	6H	17.57	17.95	18.58	18.99	20.29	20.34	20.73	21.36	21.77	23.07
	8H	17.61	17.95	18.63	18.97	20.29	20.49	20.83	21.52	21.86	23.18
	12H	17.59	17.89	18.62	18.91	20.28	20.59	20.89	21.62	21.91	23.28
12H	4H	17.31	17.73	18.32	18.74	20.05	19.87	20.29	20.88	21.30	22.61
	6H	17.63	17.97	18.65	18.99	20.31	20.34	20.68	21.36	21.70	23.02
	8H	17.69	17.99	18.72	19.01	20.38	20.50	20.80	21.53	21.82	23.18