

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: P934045

Luminaire Tested: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

**Test Information**

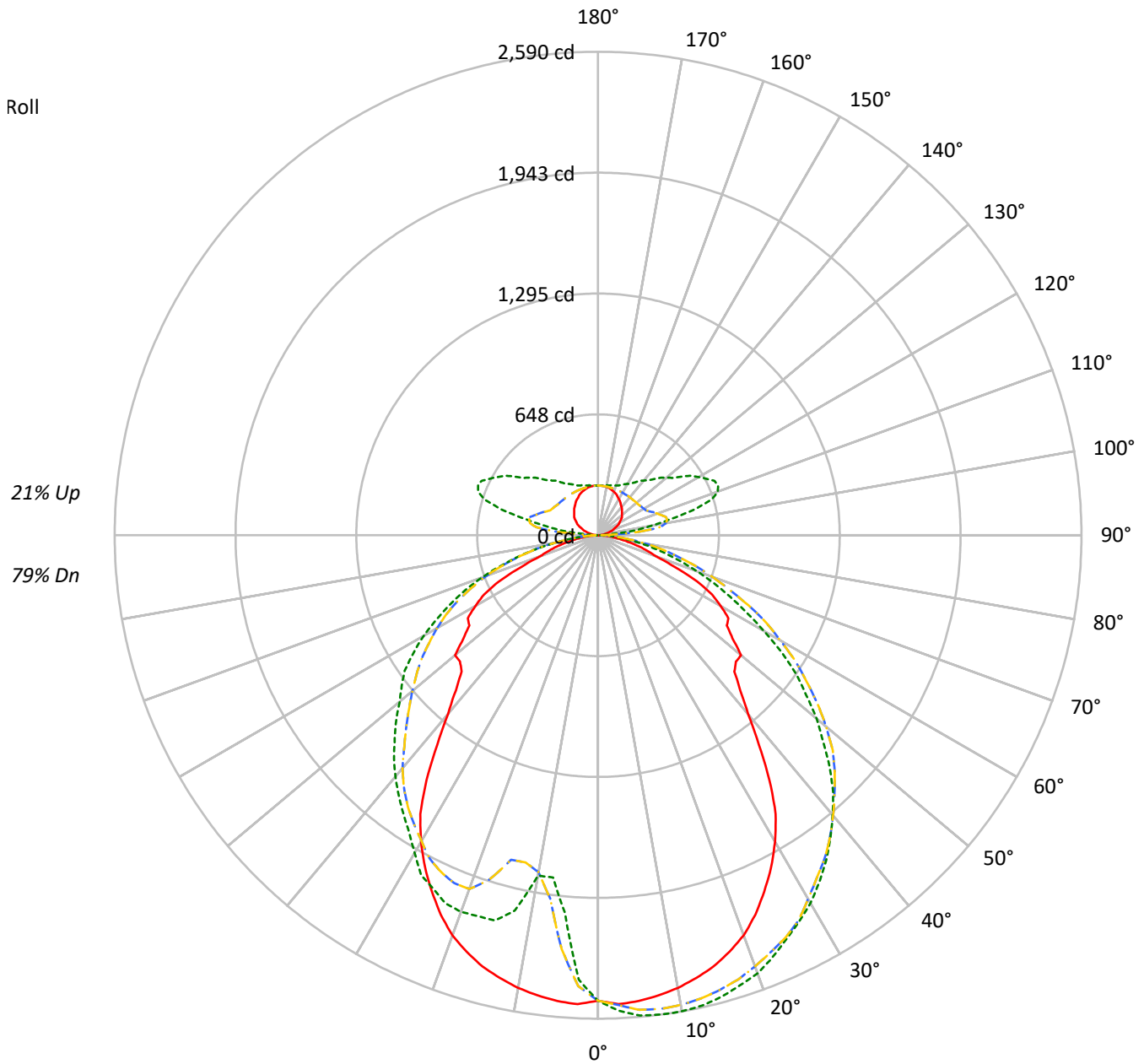
Test Method: LM-79-2019  
Report Number: P934045  
REPORT IS A COMBINATION OF REPORTS P933684 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8192.5 lumens  
Efficiency: N/A  
Efficacy: 105.6 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: Semi-Direct  
  
Input Watts (W): 77.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P934045  
CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-3500K

### Luminous Intensity Polar Plot



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



TEST NUMBER: P934045

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-3500K

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

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

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

	0°	90°	180°	270°
0°	11567	11567	11567	11567
5°	11654	11677	11654	9182
10°	11576	11502	11576	8223
15°	11450	11253	11450	9396
20°	11211	10958	11211	9416
25°	10720	10527	10720	9216
30°	10087	10170	10087	8778
35°	8992	9718	8992	8297
40°	7493	9185	7493	7933
45°	6695	8562	6695	7515
50°	7113	7819	7113	7095
55°	6692	7018	6692	6852
60°	6898	5961	6898	6276
65°	6254	4928	6254	5508
70°	4331	3927	4331	4617
75°	3797	2903	3797	3476
80°	3059	1919	3059	2090
85°	1761	1016	1761	864

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10261 cd/sqm



TEST NUMBER: P934045

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-3500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.1	2.7
10°-20°	639.0	7.8
20°-30°	987.8	12.1
30°-40°	1179.2	14.4
40°-50°	1186.1	14.5
50°-60°	1032.0	12.6
60°-70°	731.7	8.9
70°-80°	387.1	4.7
80°-90°	97.4	1.2
90°-100°	129.9	1.6
100°-110°	341.4	4.2
110°-120°	354.0	4.3
120°-130°	284.0	3.5
130°-140°	222.8	2.7
140°-150°	171.0	2.1
150°-160°	123.2	1.5
160°-170°	75.4	0.9
170°-180°	25.5	0.3
0°-30°	1851.8	22.6
0°-40°	3031.0	37.0
0°-60°	5249.1	64.1
0°-90°	6465.4	78.9
90°-120°	825.3	10.1
90°-150°	1503.1	18.3
90°-180°	1727.0	21.1
0°-180°	8192.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2493	2493	2493	2493	2493	
5°	2505	2583	2505	2031	2505	238
15°	2392	2559	2392	2137	2392	673
25°	2106	2387	2106	2090	2106	967
35°	1602	2130	1602	1818	1602	991
45°	1033	1755	1033	1540	1033	828
55°	842	1295	842	1264	842	774
65°	585	781	585	873	585	559
75°	222	370	222	444	222	233
85°	38	94	38	80	38	51
90°	2	7	2	7	2	3
95°	17	78	17	78	17	19
105°	62	535	62	535	62	65
115°	109	688	109	688	109	108
125°	152	548	152	548	152	135
135°	181	425	181	425	181	140
145°	210	345	210	345	210	132
155°	237	297	237	297	237	109
165°	256	277	256	277	256	72
175°	266	268	266	268	266	25
180°	266	266	266	266	266	



TEST NUMBER: P934045

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2
2.5°	2514.4	2514.4	2528.5	2533.3	2533.3	2526.2	2519.2	2526.2	2547.4	2554.5	2552.2
5°	2505.0	2523.8	2549.8	2554.5	2559.2	2556.8	2552.2	2556.8	2580.5	2585.2	2587.5
7.5°	2486.1	2521.5	2554.5	2561.6	2568.7	2561.6	2559.2	2564.0	2587.5	2592.3	2592.3
10°	2462.5	2512.0	2549.8	2554.5	2561.6	2554.5	2554.5	2564.0	2587.5	2592.3	2594.6
12.5°	2429.4	2497.9	2533.3	2538.0	2547.4	2545.0	2542.7	2552.2	2575.7	2580.5	2580.5
15°	2391.8	2471.9	2505.0	2509.7	2526.2	2521.5	2521.5	2530.9	2556.8	2564.0	2561.6
17.5°	2339.8	2438.9	2476.7	2483.7	2495.5	2493.2	2495.5	2505.0	2528.5	2533.3	2535.7
20°	2280.9	2394.1	2438.9	2446.0	2457.8	2457.8	2457.8	2469.6	2493.2	2502.6	2502.6
22.5°	2200.7	2347.0	2394.1	2398.8	2412.9	2412.9	2417.7	2434.2	2455.4	2457.8	2457.8
25°	2106.3	2295.0	2335.1	2349.3	2363.5	2370.5	2377.6	2387.0	2394.1	2391.8	2394.1
27.5°	2007.2	2229.0	2280.9	2290.3	2309.2	2316.3	2325.7	2328.0	2330.5	2337.5	2332.8
30°	1896.4	2137.0	2214.9	2224.3	2254.9	2259.7	2250.2	2254.9	2266.7	2271.5	2276.2
32.5°	1771.4	2000.2	2146.5	2167.6	2195.9	2181.8	2179.4	2186.6	2205.4	2205.4	2210.1
35°	1601.5	1894.1	2082.8	2101.6	2122.8	2106.3	2115.8	2118.1	2130.0	2137.0	2134.6
37.5°	1415.2	1802.0	2016.7	2030.9	2047.4	2026.2	2040.3	2047.4	2056.8	2052.1	2052.1
40°	1250.1	1658.2	1938.9	1948.3	1962.4	1945.9	1960.1	1964.8	1969.6	1964.8	1962.4
42.5°	1127.5	1500.1	1856.3	1868.1	1858.7	1870.5	1875.2	1884.6	1877.5	1868.1	1868.1
45°	1033.1	1457.6	1766.7	1780.9	1766.7	1785.6	1792.6	1792.6	1771.4	1766.7	1764.4
47.5°	1002.5	1372.8	1677.1	1677.1	1670.0	1693.6	1705.4	1688.8	1667.6	1660.5	1660.5
50°	1000.1	1278.4	1554.4	1544.9	1578.0	1606.3	1594.5	1578.0	1561.5	1535.5	1535.5
52.5°	908.2	1162.8	1396.3	1431.8	1483.6	1500.1	1481.3	1464.8	1436.5	1424.7	1415.2
55°	842.1	1042.6	1252.5	1323.2	1377.5	1398.7	1363.3	1346.9	1304.4	1297.3	1292.6
57.5°	827.9	868.0	1120.4	1210.0	1276.1	1273.7	1252.5	1221.8	1186.5	1179.3	1177.0
60°	759.5	627.4	978.8	1085.0	1153.4	1146.3	1127.5	1099.2	1066.1	1061.4	1056.7
62.5°	688.7	455.2	818.4	938.8	1035.4	1033.1	1016.6	974.1	950.6	938.8	929.3
65°	584.9	382.1	582.6	780.8	919.9	924.6	889.2	858.6	832.6	818.4	816.1
67.5°	445.8	311.3	393.9	651.0	809.1	804.3	759.5	745.3	712.3	705.3	691.1
70°	330.2	207.5	273.6	528.3	700.5	688.7	653.4	636.9	606.2	589.7	580.2
72.5°	273.6	167.5	200.5	410.4	589.7	575.6	544.9	526.0	500.0	485.9	476.5
75°	221.7	176.9	153.4	304.3	478.8	469.4	441.0	422.2	401.0	382.1	384.5
77.5°	162.7	165.1	122.6	224.0	379.7	365.6	349.1	325.5	316.1	297.2	297.2
80°	122.6	129.7	92.0	153.4	273.6	273.6	259.5	243.0	226.5	217.0	217.0
82.5°	82.6	82.6	68.4	96.7	186.4	179.2	169.9	165.1	155.7	150.9	150.9
85°	37.8	47.1	42.5	59.0	101.4	106.1	106.1	101.4	99.1	94.3	96.7
87.5°	11.8	21.2	26.0	33.0	51.9	54.3	56.6	56.6	56.6	59.0	59.0
90°	1.8	3.2	4.6	5.0	7.9	11.7	13.6	12.1	9.0	6.8	6.8
92.5°	7.1	19.3	31.5	34.5	48.6	67.2	76.5	67.0	48.2	34.0	32.7
95°	17.1	39.4	61.7	67.2	119.3	188.9	223.7	199.6	151.5	115.3	111.2
97.5°	29.7	49.4	68.9	73.8	160.8	276.7	334.7	319.6	289.1	266.3	258.5
100°	39.4	57.1	74.9	79.4	175.8	304.5	368.8	370.0	372.2	373.9	364.6
102.5°	47.6	64.2	80.8	84.9	182.8	313.3	378.6	397.9	436.7	465.8	457.8
105°	61.5	75.6	89.7	93.2	188.0	314.3	377.5	421.0	507.9	573.1	568.8
107.5°	75.8	88.9	102.0	105.3	188.9	300.3	356.0	416.6	537.9	628.9	629.9
110°	85.5	97.3	109.2	112.1	187.5	287.9	338.1	405.9	541.5	643.1	647.6



TEST NUMBER: P934045

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	95.0	106.2	117.5	120.3	187.5	277.1	321.9	391.2	529.9	634.0	640.9
115°	109.3	119.6	130.1	132.6	189.2	264.7	302.3	369.2	502.9	603.1	612.6
117.5°	123.4	132.8	142.3	144.7	192.8	256.9	288.9	349.3	469.9	560.4	570.9
120°	131.6	140.5	149.4	151.7	195.7	254.3	283.6	338.7	448.9	531.6	541.7
122.5°	139.6	148.6	157.6	159.9	199.8	252.9	279.5	329.1	428.4	502.8	512.9
125°	152.0	160.2	168.3	170.4	205.3	251.8	275.0	317.1	401.5	464.7	474.0
127.5°	162.0	170.2	178.5	180.6	210.8	251.1	271.3	307.5	379.9	434.2	442.0
130°	167.4	176.3	185.1	187.4	214.9	251.5	269.8	302.1	366.5	414.8	422.0
132.5°	172.9	181.8	190.7	192.9	218.2	251.8	268.6	297.4	355.1	398.4	404.9
135°	181.1	189.2	197.4	199.4	221.7	251.5	266.4	290.6	338.9	375.2	380.7
137.5°	189.5	197.5	205.6	207.6	227.1	253.1	266.1	286.5	327.3	357.9	362.5
140°	196.5	203.9	211.3	213.2	230.4	253.3	264.8	282.5	317.8	344.2	348.5
142.5°	201.9	208.7	215.6	217.3	233.2	254.3	264.8	280.4	311.3	334.6	338.2
145°	210.1	216.1	222.0	223.5	236.7	254.3	263.1	275.7	301.1	320.1	322.9
147.5°	218.3	224.1	229.9	231.4	241.9	256.0	263.1	273.1	293.0	307.9	310.2
150°	223.7	229.0	234.1	235.5	244.7	256.9	263.1	271.4	288.3	300.9	302.8
152.5°	229.2	233.2	237.2	238.2	246.5	257.5	263.1	270.2	284.6	295.4	296.8
155°	237.4	240.4	243.3	244.0	250.4	258.9	263.1	268.8	280.2	288.8	289.7
157.5°	243.5	246.4	249.2	249.9	254.3	260.1	263.1	267.5	276.4	283.0	283.7
160°	247.6	249.8	252.1	252.6	256.1	260.7	263.1	266.9	274.5	280.2	280.6
162.5°	251.7	253.4	255.0	255.5	258.0	261.4	263.1	266.3	272.7	277.5	277.9
165°	256.3	257.8	259.3	259.7	260.8	262.3	263.1	265.4	269.9	273.4	273.8
167.5°	260.4	261.1	261.8	262.0	263.0	264.2	264.8	266.4	269.4	271.6	271.8
170°	263.1	263.8	264.5	264.7	264.8	264.8	264.8	266.4	269.4	271.6	271.6
172.5°	264.5	264.7	264.8	264.8	264.8	264.8	264.8	266.0	268.4	270.2	270.0
175°	266.4	266.4	266.4	266.4	265.9	265.2	264.8	265.6	267.1	268.2	268.2
177.5°	266.4	266.4	266.4	266.4	266.0	265.5	265.2	265.8	267.0	267.9	267.7
180°	266.4	266.4	266.4	266.4	266.4	266.4	266.4	266.4	266.4	266.4	266.4



TEST NUMBER: P934045

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2
2.5°	2556.8	2549.8	2556.8	2552.2	2554.5	2547.4	2526.2	2519.2	2526.2	2533.3	2533.3
5°	2587.5	2582.8	2587.5	2587.5	2585.2	2580.5	2556.8	2552.2	2556.8	2559.2	2554.5
7.5°	2597.0	2589.8	2597.0	2592.3	2592.3	2587.5	2564.0	2559.2	2561.6	2568.7	2561.6
10°	2597.0	2589.8	2597.0	2594.6	2592.3	2587.5	2564.0	2554.5	2554.5	2561.6	2554.5
12.5°	2585.2	2580.5	2585.2	2580.5	2580.5	2575.7	2552.2	2542.7	2545.0	2547.4	2538.0
15°	2566.3	2559.2	2566.3	2561.6	2564.0	2556.8	2530.9	2521.5	2521.5	2526.2	2509.7
17.5°	2538.0	2528.5	2538.0	2535.7	2533.3	2528.5	2505.0	2495.5	2493.2	2495.5	2483.7
20°	2505.0	2497.9	2505.0	2502.6	2502.6	2493.2	2469.6	2457.8	2457.8	2457.8	2446.0
22.5°	2453.1	2446.0	2453.1	2457.8	2457.8	2455.4	2434.2	2417.7	2412.9	2412.9	2398.8
25°	2394.1	2387.0	2394.1	2394.1	2391.8	2394.1	2387.0	2377.6	2370.5	2363.5	2349.3
27.5°	2337.5	2332.8	2337.5	2332.8	2337.5	2330.5	2328.0	2325.7	2316.3	2309.2	2290.3
30°	2280.9	2276.2	2280.9	2276.2	2271.5	2266.7	2254.9	2250.2	2259.7	2254.9	2224.3
32.5°	2210.1	2205.4	2210.1	2210.1	2205.4	2205.4	2186.6	2179.4	2181.8	2195.9	2167.6
35°	2137.0	2130.0	2137.0	2134.6	2137.0	2130.0	2118.1	2115.8	2106.3	2122.8	2101.6
37.5°	2052.1	2045.0	2052.1	2052.1	2052.1	2056.8	2047.4	2040.3	2026.2	2047.4	2030.9
40°	1964.8	1955.4	1964.8	1962.4	1964.8	1969.6	1964.8	1960.1	1945.9	1962.4	1948.3
42.5°	1865.8	1863.4	1865.8	1868.1	1868.1	1877.5	1884.6	1875.2	1870.5	1858.7	1868.1
45°	1759.6	1754.9	1759.6	1764.4	1766.7	1771.4	1792.6	1792.6	1785.6	1766.7	1780.9
47.5°	1646.3	1634.6	1646.3	1660.5	1660.5	1667.6	1688.8	1705.4	1693.6	1670.0	1677.1
50°	1526.1	1528.4	1526.1	1535.5	1535.5	1561.5	1578.0	1594.5	1606.3	1578.0	1544.9
52.5°	1408.2	1405.8	1408.2	1415.2	1424.7	1436.5	1464.8	1481.3	1500.1	1483.6	1431.8
55°	1290.2	1294.9	1290.2	1292.6	1297.3	1304.4	1346.9	1363.3	1398.7	1377.5	1323.2
57.5°	1172.3	1165.2	1172.3	1177.0	1179.3	1186.5	1221.8	1252.5	1273.7	1276.1	1210.0
60°	1035.4	1026.1	1035.4	1056.7	1061.4	1066.1	1099.2	1127.5	1146.3	1153.4	1085.0
62.5°	915.2	898.7	915.2	929.3	938.8	950.6	974.1	1016.6	1033.1	1035.4	938.8
65°	787.8	780.8	787.8	816.1	818.4	832.6	858.6	889.2	924.6	919.9	780.8
67.5°	672.2	672.2	672.2	691.1	705.3	712.3	745.3	759.5	804.3	809.1	651.0
70°	566.1	563.8	566.1	580.2	589.7	606.2	636.9	653.4	688.7	700.5	528.3
72.5°	464.7	462.3	464.7	476.5	485.9	500.0	526.0	544.9	575.6	589.7	410.4
75°	375.1	370.3	375.1	384.5	382.1	401.0	422.2	441.0	469.4	478.8	304.3
77.5°	287.8	287.8	287.8	297.2	297.2	316.1	325.5	349.1	365.6	379.7	224.0
80°	214.7	212.3	214.7	217.0	217.0	226.5	243.0	259.5	273.6	273.6	153.4
82.5°	150.9	146.2	150.9	150.9	150.9	155.7	165.1	169.9	179.2	186.4	96.7
85°	94.3	94.3	94.3	96.7	94.3	99.1	101.4	106.1	106.1	101.4	59.0
87.5°	61.3	59.0	61.3	59.0	59.0	56.6	56.6	56.6	54.3	51.9	33.0
90°	6.8	6.8	6.8	6.8	6.8	9.0	12.1	13.6	11.7	7.9	5.0
92.5°	27.2	21.8	27.2	32.7	34.0	48.2	67.0	76.5	67.2	48.6	34.5
95°	94.9	78.5	94.9	111.2	115.3	151.5	199.6	223.7	188.9	119.3	67.2
97.5°	227.3	196.1	227.3	258.5	266.3	289.1	319.6	334.7	276.7	160.8	73.8
100°	327.5	290.4	327.5	364.6	373.9	372.2	370.0	368.8	304.5	175.8	79.4
102.5°	426.0	394.3	426.0	457.8	465.8	436.7	397.9	378.6	313.3	182.8	84.9
105°	551.7	534.6	551.7	568.8	573.1	507.9	421.0	377.5	314.3	188.0	93.2
107.5°	634.0	638.1	634.0	629.9	628.9	537.9	416.6	356.0	300.3	188.9	105.3
110°	665.4	683.2	665.4	647.6	643.1	541.5	405.9	338.1	287.9	187.5	112.1





TEST NUMBER: P934045

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	668.2	695.5	668.2	640.9	634.0	529.9	391.2	321.9	277.1	187.5	120.3
115°	650.5	688.4	650.5	612.6	603.1	502.9	369.2	302.3	264.7	189.2	132.6
117.5°	613.0	655.0	613.0	570.9	560.4	469.9	349.3	288.9	256.9	192.8	144.7
120°	582.6	623.5	582.6	541.7	531.6	448.9	338.7	283.6	254.3	195.7	151.7
122.5°	553.2	593.4	553.2	512.9	502.8	428.4	329.1	279.5	252.9	199.8	159.9
125°	511.1	548.2	511.1	474.0	464.7	401.5	317.1	275.0	251.8	205.3	170.4
127.5°	473.3	504.6	473.3	442.0	434.2	379.9	307.5	271.3	251.1	210.8	180.6
130°	451.0	479.9	451.0	422.0	414.8	366.5	302.1	269.8	251.5	214.9	187.4
132.5°	430.8	456.7	430.8	404.9	398.4	355.1	297.4	268.6	251.8	218.2	192.9
135°	403.0	425.3	403.0	380.7	375.2	338.9	290.6	266.4	251.5	221.7	199.4
137.5°	380.8	399.1	380.8	362.5	357.9	327.3	286.5	266.1	253.1	227.1	207.6
140°	365.5	382.7	365.5	348.5	344.2	317.8	282.5	264.8	253.3	230.4	213.2
142.5°	352.9	367.6	352.9	338.2	334.6	311.3	280.4	264.8	254.3	233.2	217.3
145°	334.0	345.1	334.0	322.9	320.1	301.1	275.7	263.1	254.3	236.7	223.5
147.5°	319.4	328.7	319.4	310.2	307.9	293.0	273.1	263.1	256.0	241.9	231.4
150°	310.3	317.8	310.3	302.8	300.9	288.3	271.4	263.1	256.9	244.7	235.5
152.5°	302.4	308.0	302.4	296.8	295.4	284.6	270.2	263.1	257.5	246.5	238.2
155°	293.4	297.2	293.4	289.7	288.8	280.2	268.8	263.1	258.9	250.4	244.0
157.5°	286.4	288.9	286.4	283.7	283.0	276.4	267.5	263.1	260.1	254.3	249.9
160°	282.1	283.6	282.1	280.6	280.2	274.5	266.9	263.1	260.7	256.1	252.6
162.5°	279.3	280.7	279.3	277.9	277.5	272.7	266.3	263.1	261.4	258.0	255.5
165°	275.3	276.8	275.3	273.8	273.4	269.9	265.4	263.1	262.3	260.8	259.7
167.5°	272.4	273.1	272.4	271.8	271.6	269.4	266.4	264.8	264.2	263.0	262.0
170°	271.6	271.6	271.6	271.6	271.6	269.4	266.4	264.8	264.8	264.8	264.7
172.5°	269.5	268.9	269.5	270.0	270.2	268.4	266.0	264.8	264.8	264.8	264.8
175°	268.2	268.2	268.2	268.2	268.2	267.1	265.6	264.8	265.2	265.9	266.4
177.5°	267.1	266.4	267.1	267.7	267.9	267.0	265.8	265.2	265.5	266.0	266.4
180°	266.4	266.4	266.4	266.4	266.4	266.4	266.4	266.4	266.4	266.4	266.4



TEST NUMBER: P934045

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2
2.5°	2528.5	2514.4	2514.4	2490.9	2481.4	2474.3	2462.5	2427.1	2417.7	2408.3	2422.4
5°	2549.8	2523.8	2505.0	2462.5	2427.1	2412.9	2368.1	2283.2	2226.6	2184.2	2160.6
7.5°	2554.5	2521.5	2486.1	2420.1	2335.1	2297.4	2160.6	2004.9	1962.4	1924.8	1901.1
10°	2549.8	2512.0	2462.5	2363.5	2162.9	2096.9	1960.1	1858.7	1832.7	1825.7	1832.7
12.5°	2533.3	2497.9	2429.4	2264.4	1983.7	1938.9	1858.7	1799.7	1795.0	1806.8	1870.5
15°	2505.0	2471.9	2391.8	2132.3	1884.6	1851.6	1795.0	1773.7	1799.7	1882.3	2073.3
17.5°	2476.7	2438.9	2339.8	2002.6	1809.2	1785.6	1745.4	1787.9	1934.1	2045.0	2108.7
20°	2438.9	2394.1	2280.9	1908.2	1754.9	1733.6	1714.8	1905.8	2016.7	2056.8	2092.2
22.5°	2394.1	2347.0	2200.7	1842.2	1698.3	1681.8	1693.6	1971.9	2016.7	2045.0	2075.7
25°	2335.1	2295.0	2106.3	1790.2	1653.5	1634.6	1679.4	1964.8	1990.7	1997.9	2059.2
27.5°	2280.9	2229.0	2007.2	1743.1	1599.2	1592.2	1691.2	1934.1	1953.1	1960.1	2026.2
30°	2214.9	2137.0	1896.4	1693.6	1542.6	1540.2	1693.6	1896.4	1891.7	1910.6	1976.6
32.5°	2146.5	2000.2	1771.4	1632.2	1488.4	1486.0	1677.1	1839.8	1835.0	1861.0	1910.6
35°	2082.8	1894.1	1601.5	1561.5	1420.0	1422.3	1637.0	1773.7	1776.1	1799.7	1830.4
37.5°	2016.7	1802.0	1415.2	1483.6	1353.9	1353.9	1582.7	1712.4	1707.8	1714.8	1757.2
40°	1938.9	1658.2	1250.1	1382.2	1292.6	1285.5	1516.7	1646.3	1629.8	1627.5	1686.5
42.5°	1856.3	1500.1	1127.5	1247.8	1221.8	1212.4	1436.5	1566.2	1535.5	1542.6	1618.1
45°	1766.7	1457.6	1033.1	1054.4	1148.7	1141.7	1349.2	1474.2	1453.0	1471.8	1549.7
47.5°	1677.1	1372.8	1002.5	875.1	1070.9	1068.5	1252.5	1384.5	1372.8	1391.7	1474.2
50°	1554.4	1278.4	1000.1	750.1	983.6	993.0	1136.9	1297.3	1297.3	1313.8	1401.1
52.5°	1396.3	1162.8	908.2	679.3	882.2	910.5	1035.4	1221.8	1226.5	1243.1	1320.9
55°	1252.5	1042.6	842.1	625.1	761.9	823.2	936.4	1144.0	1153.4	1170.0	1240.7
57.5°	1120.4	868.0	827.9	561.4	651.0	710.0	849.1	1068.5	1073.2	1087.4	1155.8
60°	978.8	627.4	759.5	493.0	554.3	599.1	768.9	978.8	995.4	1004.8	1063.8
62.5°	818.4	455.2	688.7	445.8	507.1	516.6	702.9	894.0	915.2	922.3	957.6
65°	582.6	382.1	584.9	405.7	457.6	460.0	632.2	806.7	825.6	837.4	863.3
67.5°	393.9	311.3	445.8	367.9	419.9	422.2	563.8	705.3	731.2	740.6	757.1
70°	273.6	207.5	330.2	327.9	377.4	382.1	490.6	613.2	636.9	643.9	653.4
72.5°	200.5	167.5	273.6	294.8	332.6	337.3	415.2	509.5	533.1	540.1	544.9
75°	153.4	176.9	221.7	257.1	283.0	285.4	339.6	415.2	431.7	436.4	438.7
77.5°	122.6	165.1	162.7	207.5	231.2	226.5	266.5	320.8	334.9	334.9	334.9
80°	92.0	129.7	122.6	148.6	169.9	165.1	191.0	228.8	233.5	238.2	235.8
82.5°	68.4	82.6	82.6	94.3	113.2	108.5	127.4	148.6	148.6	148.6	153.4
85°	42.5	47.1	37.8	49.5	63.6	61.3	70.8	80.2	82.6	82.6	77.8
87.5°	26.0	21.2	11.8	18.8	28.3	28.3	33.0	35.3	33.0	33.0	33.0
90°	4.6	3.2	1.8	3.2	4.6	5.0	7.9	11.7	13.6	12.1	9.0
92.5°	31.5	19.3	7.1	19.3	31.5	34.5	48.6	67.2	76.5	67.0	48.2
95°	61.7	39.4	17.1	39.4	61.7	67.2	119.3	188.9	223.7	199.6	151.5
97.5°	68.9	49.4	29.7	49.4	68.9	73.8	160.8	276.7	334.7	319.6	289.1
100°	74.9	57.1	39.4	57.1	74.9	79.4	175.8	304.5	368.8	370.0	372.2
102.5°	80.8	64.2	47.6	64.2	80.8	84.9	182.8	313.3	378.6	397.9	436.7
105°	89.7	75.6	61.5	75.6	89.7	93.2	188.0	314.3	377.5	421.0	507.9
107.5°	102.0	88.9	75.8	88.9	102.0	105.3	188.9	300.3	356.0	416.6	537.9
110°	109.2	97.3	85.5	97.3	109.2	112.1	187.5	287.9	338.1	405.9	541.5



TEST NUMBER: P934045

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	117.5	106.2	95.0	106.2	117.5	120.3	187.5	277.1	321.9	391.2	529.9
115°	130.1	119.6	109.3	119.6	130.1	132.6	189.2	264.7	302.3	369.2	502.9
117.5°	142.3	132.8	123.4	132.8	142.3	144.7	192.8	256.9	288.9	349.3	469.9
120°	149.4	140.5	131.6	140.5	149.4	151.7	195.7	254.3	283.6	338.7	448.9
122.5°	157.6	148.6	139.6	148.6	157.6	159.9	199.8	252.9	279.5	329.1	428.4
125°	168.3	160.2	152.0	160.2	168.3	170.4	205.3	251.8	275.0	317.1	401.5
127.5°	178.5	170.2	162.0	170.2	178.5	180.6	210.8	251.1	271.3	307.5	379.9
130°	185.1	176.3	167.4	176.3	185.1	187.4	214.9	251.5	269.8	302.1	366.5
132.5°	190.7	181.8	172.9	181.8	190.7	192.9	218.2	251.8	268.6	297.4	355.1
135°	197.4	189.2	181.1	189.2	197.4	199.4	221.7	251.5	266.4	290.6	338.9
137.5°	205.6	197.5	189.5	197.5	205.6	207.6	227.1	253.1	266.1	286.5	327.3
140°	211.3	203.9	196.5	203.9	211.3	213.2	230.4	253.3	264.8	282.5	317.8
142.5°	215.6	208.7	201.9	208.7	215.6	217.3	233.2	254.3	264.8	280.4	311.3
145°	222.0	216.1	210.1	216.1	222.0	223.5	236.7	254.3	263.1	275.7	301.1
147.5°	229.9	224.1	218.3	224.1	229.9	231.4	241.9	256.0	263.1	273.1	293.0
150°	234.1	229.0	223.7	229.0	234.1	235.5	244.7	256.9	263.1	271.4	288.3
152.5°	237.2	233.2	229.2	233.2	237.2	238.2	246.5	257.5	263.1	270.2	284.6
155°	243.3	240.4	237.4	240.4	243.3	244.0	250.4	258.9	263.1	268.8	280.2
157.5°	249.2	246.4	243.5	246.4	249.2	249.9	254.3	260.1	263.1	267.5	276.4
160°	252.1	249.8	247.6	249.8	252.1	252.6	256.1	260.7	263.1	266.9	274.5
162.5°	255.0	253.4	251.7	253.4	255.0	255.5	258.0	261.4	263.1	266.3	272.7
165°	259.3	257.8	256.3	257.8	259.3	259.7	260.8	262.3	263.1	265.4	269.9
167.5°	261.8	261.1	260.4	261.1	261.8	262.0	263.0	264.2	264.8	266.4	269.4
170°	264.5	263.8	263.1	263.8	264.5	264.7	264.8	264.8	264.8	266.4	269.4
172.5°	264.8	264.7	264.5	264.7	264.8	264.8	264.8	264.8	264.8	266.0	268.4
175°	266.4	266.4	266.4	266.4	266.4	266.4	265.9	265.2	264.8	265.6	267.1
177.5°	266.4	266.4	266.4	266.4	266.4	266.4	266.0	265.5	265.2	265.8	267.0
180°	266.4	266.4	266.4	266.4	266.4	266.4	266.4	266.4	266.4	266.4	266.4



TEST NUMBER: P934045

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2
2.5°	2405.9	2398.8	2408.3	2382.3	2408.3	2398.8	2405.9	2422.4	2408.3	2417.7	2427.1
5°	2111.0	2099.3	2061.5	2030.9	2061.5	2099.3	2111.0	2160.6	2184.2	2226.6	2283.2
7.5°	1887.0	1877.5	1868.1	1849.2	1868.1	1877.5	1887.0	1901.1	1924.8	1962.4	2004.9
10°	1837.5	1839.8	1854.0	1851.6	1854.0	1839.8	1837.5	1832.7	1825.7	1832.7	1858.7
12.5°	1964.8	1986.1	2063.9	2059.2	2063.9	1986.1	1964.8	1870.5	1806.8	1795.0	1799.7
15°	2111.0	2118.1	2134.6	2137.0	2134.6	2118.1	2111.0	2073.3	1882.3	1799.7	1773.7
17.5°	2125.2	2127.6	2139.3	2139.3	2139.3	2127.6	2125.2	2108.7	2045.0	1934.1	1787.9
20°	2113.5	2118.1	2141.8	2146.5	2141.8	2118.1	2113.5	2092.2	2056.8	2016.7	1905.8
22.5°	2108.7	2118.1	2137.0	2134.6	2137.0	2118.1	2108.7	2075.7	2045.0	2016.7	1971.9
25°	2085.1	2085.1	2087.5	2089.8	2087.5	2085.1	2085.1	2059.2	1997.9	1990.7	1964.8
27.5°	2035.6	2040.3	2054.5	2052.1	2054.5	2040.3	2035.6	2026.2	1960.1	1953.1	1934.1
30°	1990.7	1986.1	1974.2	1964.8	1974.2	1986.1	1990.7	1976.6	1910.6	1891.7	1896.4
32.5°	1915.3	1903.5	1891.7	1884.6	1891.7	1903.5	1915.3	1910.6	1861.0	1835.0	1839.8
35°	1825.7	1828.0	1825.7	1818.5	1825.7	1828.0	1825.7	1830.4	1799.7	1776.1	1773.7
37.5°	1761.9	1766.7	1764.4	1754.9	1764.4	1766.7	1761.9	1757.2	1714.8	1707.8	1712.4
40°	1695.9	1698.3	1695.9	1688.8	1695.9	1698.3	1695.9	1686.5	1627.5	1629.8	1646.3
42.5°	1632.2	1629.8	1622.8	1618.1	1622.8	1629.8	1632.2	1618.1	1542.6	1535.5	1566.2
45°	1559.1	1561.5	1547.4	1540.2	1547.4	1561.5	1559.1	1549.7	1471.8	1453.0	1474.2
47.5°	1486.0	1486.0	1474.2	1467.1	1474.2	1486.0	1486.0	1474.2	1391.7	1372.8	1384.5
50°	1408.2	1405.8	1389.3	1387.0	1389.3	1405.8	1408.2	1401.1	1313.8	1297.3	1297.3
52.5°	1318.5	1318.5	1320.9	1325.6	1320.9	1318.5	1318.5	1320.9	1243.1	1226.5	1221.8
55°	1240.7	1243.1	1259.6	1264.3	1259.6	1243.1	1240.7	1240.7	1170.0	1153.4	1144.0
57.5°	1160.5	1160.5	1172.3	1172.3	1172.3	1160.5	1160.5	1155.8	1087.4	1073.2	1068.5
60°	1068.5	1073.2	1082.7	1080.3	1082.7	1073.2	1068.5	1063.8	1004.8	995.4	978.8
62.5°	971.8	976.5	978.8	974.1	978.8	976.5	971.8	957.6	922.3	915.2	894.0
65°	870.4	875.1	877.4	872.7	877.4	875.1	870.4	863.3	837.4	825.6	806.7
67.5°	766.6	764.3	761.9	771.3	761.9	764.3	766.6	757.1	740.6	731.2	705.3
70°	660.4	660.4	658.0	662.8	658.0	660.4	660.4	653.4	643.9	636.9	613.2
72.5°	547.3	544.9	554.3	547.3	554.3	544.9	547.3	544.9	540.1	533.1	509.5
75°	436.4	441.0	436.4	443.5	436.4	441.0	436.4	438.7	436.4	431.7	415.2
77.5°	332.6	337.3	332.6	332.6	332.6	337.3	332.6	334.9	334.9	334.9	320.8
80°	235.8	233.5	233.5	231.2	233.5	233.5	235.8	235.8	238.2	233.5	228.8
82.5°	150.9	148.6	148.6	153.4	148.6	148.6	150.9	153.4	148.6	148.6	148.6
85°	82.6	84.9	80.2	80.2	80.2	84.9	82.6	77.8	82.6	82.6	80.2
87.5°	30.7	28.3	28.3	28.3	28.3	28.3	30.7	33.0	33.0	33.0	35.3
90°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	9.0	12.1	13.6	11.7
92.5°	34.0	32.7	27.2	21.8	27.2	32.7	34.0	48.2	67.0	76.5	67.2
95°	115.3	111.2	94.9	78.5	94.9	111.2	115.3	151.5	199.6	223.7	188.9
97.5°	266.3	258.5	227.3	196.1	227.3	258.5	266.3	289.1	319.6	334.7	276.7
100°	373.9	364.6	327.5	290.4	327.5	364.6	373.9	372.2	370.0	368.8	304.5
102.5°	465.8	457.8	426.0	394.3	426.0	457.8	465.8	436.7	397.9	378.6	313.3
105°	573.1	568.8	551.7	534.6	551.7	568.8	573.1	507.9	421.0	377.5	314.3
107.5°	628.9	629.9	634.0	638.1	634.0	629.9	628.9	537.9	416.6	356.0	300.3
110°	643.1	647.6	665.4	683.2	665.4	647.6	643.1	541.5	405.9	338.1	287.9



TEST NUMBER: P934045

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	634.0	640.9	668.2	695.5	668.2	640.9	634.0	529.9	391.2	321.9	277.1
115°	603.1	612.6	650.5	688.4	650.5	612.6	603.1	502.9	369.2	302.3	264.7
117.5°	560.4	570.9	613.0	655.0	613.0	570.9	560.4	469.9	349.3	288.9	256.9
120°	531.6	541.7	582.6	623.5	582.6	541.7	531.6	448.9	338.7	283.6	254.3
122.5°	502.8	512.9	553.2	593.4	553.2	512.9	502.8	428.4	329.1	279.5	252.9
125°	464.7	474.0	511.1	548.2	511.1	474.0	464.7	401.5	317.1	275.0	251.8
127.5°	434.2	442.0	473.3	504.6	473.3	442.0	434.2	379.9	307.5	271.3	251.1
130°	414.8	422.0	451.0	479.9	451.0	422.0	414.8	366.5	302.1	269.8	251.5
132.5°	398.4	404.9	430.8	456.7	430.8	404.9	398.4	355.1	297.4	268.6	251.8
135°	375.2	380.7	403.0	425.3	403.0	380.7	375.2	338.9	290.6	266.4	251.5
137.5°	357.9	362.5	380.8	399.1	380.8	362.5	357.9	327.3	286.5	266.1	253.1
140°	344.2	348.5	365.5	382.7	365.5	348.5	344.2	317.8	282.5	264.8	253.3
142.5°	334.6	338.2	352.9	367.6	352.9	338.2	334.6	311.3	280.4	264.8	254.3
145°	320.1	322.9	334.0	345.1	334.0	322.9	320.1	301.1	275.7	263.1	254.3
147.5°	307.9	310.2	319.4	328.7	319.4	310.2	307.9	293.0	273.1	263.1	256.0
150°	300.9	302.8	310.3	317.8	310.3	302.8	300.9	288.3	271.4	263.1	256.9
152.5°	295.4	296.8	302.4	308.0	302.4	296.8	295.4	284.6	270.2	263.1	257.5
155°	288.8	289.7	293.4	297.2	293.4	289.7	288.8	280.2	268.8	263.1	258.9
157.5°	283.0	283.7	286.4	288.9	286.4	283.7	283.0	276.4	267.5	263.1	260.1
160°	280.2	280.6	282.1	283.6	282.1	280.6	280.2	274.5	266.9	263.1	260.7
162.5°	277.5	277.9	279.3	280.7	279.3	277.9	277.5	272.7	266.3	263.1	261.4
165°	273.4	273.8	275.3	276.8	275.3	273.8	273.4	269.9	265.4	263.1	262.3
167.5°	271.6	271.8	272.4	273.1	272.4	271.8	271.6	269.4	266.4	264.8	264.2
170°	271.6	271.6	271.6	271.6	271.6	271.6	271.6	269.4	266.4	264.8	264.8
172.5°	270.2	270.0	269.5	268.9	269.5	270.0	270.2	268.4	266.0	264.8	264.8
175°	268.2	268.2	268.2	268.2	268.2	268.2	268.2	267.1	265.6	264.8	265.2
177.5°	267.9	267.7	267.1	266.4	267.1	267.7	267.9	267.0	265.8	265.2	265.5
180°	266.4	266.4	266.4	266.4	266.4	266.4	266.4	266.4	266.4	266.4	266.4



TEST NUMBER: P934045

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2493.2	2493.2	2493.2	2493.2	2493.2
2.5°	2462.5	2474.3	2481.4	2490.9	2514.4
5°	2368.1	2412.9	2427.1	2462.5	2505.0
7.5°	2160.6	2297.4	2335.1	2420.1	2486.1
10°	1960.1	2096.9	2162.9	2363.5	2462.5
12.5°	1858.7	1938.9	1983.7	2264.4	2429.4
15°	1795.0	1851.6	1884.6	2132.3	2391.8
17.5°	1745.4	1785.6	1809.2	2002.6	2339.8
20°	1714.8	1733.6	1754.9	1908.2	2280.9
22.5°	1693.6	1681.8	1698.3	1842.2	2200.7
25°	1679.4	1634.6	1653.5	1790.2	2106.3
27.5°	1691.2	1592.2	1599.2	1743.1	2007.2
30°	1693.6	1540.2	1542.6	1693.6	1896.4
32.5°	1677.1	1486.0	1488.4	1632.2	1771.4
35°	1637.0	1422.3	1420.0	1561.5	1601.5
37.5°	1582.7	1353.9	1353.9	1483.6	1415.2
40°	1516.7	1285.5	1292.6	1382.2	1250.1
42.5°	1436.5	1212.4	1221.8	1247.8	1127.5
45°	1349.2	1141.7	1148.7	1054.4	1033.1
47.5°	1252.5	1068.5	1070.9	875.1	1002.5
50°	1136.9	993.0	983.6	750.1	1000.1
52.5°	1035.4	910.5	882.2	679.3	908.2
55°	936.4	823.2	761.9	625.1	842.1
57.5°	849.1	710.0	651.0	561.4	827.9
60°	768.9	599.1	554.3	493.0	759.5
62.5°	702.9	516.6	507.1	445.8	688.7
65°	632.2	460.0	457.6	405.7	584.9
67.5°	563.8	422.2	419.9	367.9	445.8
70°	490.6	382.1	377.4	327.9	330.2
72.5°	415.2	337.3	332.6	294.8	273.6
75°	339.6	285.4	283.0	257.1	221.7
77.5°	266.5	226.5	231.2	207.5	162.7
80°	191.0	165.1	169.9	148.6	122.6
82.5°	127.4	108.5	113.2	94.3	82.6
85°	70.8	61.3	63.6	49.5	37.8
87.5°	33.0	28.3	28.3	18.8	11.8
90°	7.9	5.0	4.6	3.2	1.8
92.5°	48.6	34.5	31.5	19.3	7.1
95°	119.3	67.2	61.7	39.4	17.1
97.5°	160.8	73.8	68.9	49.4	29.7
100°	175.8	79.4	74.9	57.1	39.4
102.5°	182.8	84.9	80.8	64.2	47.6
105°	188.0	93.2	89.7	75.6	61.5
107.5°	188.9	105.3	102.0	88.9	75.8
110°	187.5	112.1	109.2	97.3	85.5



TEST NUMBER: P934045

CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	187.5	120.3	117.5	106.2	95.0
115°	189.2	132.6	130.1	119.6	109.3
117.5°	192.8	144.7	142.3	132.8	123.4
120°	195.7	151.7	149.4	140.5	131.6
122.5°	199.8	159.9	157.6	148.6	139.6
125°	205.3	170.4	168.3	160.2	152.0
127.5°	210.8	180.6	178.5	170.2	162.0
130°	214.9	187.4	185.1	176.3	167.4
132.5°	218.2	192.9	190.7	181.8	172.9
135°	221.7	199.4	197.4	189.2	181.1
137.5°	227.1	207.6	205.6	197.5	189.5
140°	230.4	213.2	211.3	203.9	196.5
142.5°	233.2	217.3	215.6	208.7	201.9
145°	236.7	223.5	222.0	216.1	210.1
147.5°	241.9	231.4	229.9	224.1	218.3
150°	244.7	235.5	234.1	229.0	223.7
152.5°	246.5	238.2	237.2	233.2	229.2
155°	250.4	244.0	243.3	240.4	237.4
157.5°	254.3	249.9	249.2	246.4	243.5
160°	256.1	252.6	252.1	249.8	247.6
162.5°	258.0	255.5	255.0	253.4	251.7
165°	260.8	259.7	259.3	257.8	256.3
167.5°	263.0	262.0	261.8	261.1	260.4
170°	264.8	264.7	264.5	263.8	263.1
172.5°	264.8	264.8	264.8	264.7	264.5
175°	265.9	266.4	266.4	266.4	266.4
177.5°	266.0	266.4	266.4	266.4	266.4
180°	266.4	266.4	266.4	266.4	266.4



TEST NUMBER: P934045  
 CATALOG NUMBER: SQ4-FA-025U-100D-92765-1D-UNV-STD-W-8-3500K

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.65	16.85	16.31	17.52	18.31	18.48	19.68	19.15	20.36	21.15
	3H	16.15	17.23	16.82	17.91	18.74	19.86	20.94	20.53	21.62	22.45
	4H	16.36	17.37	17.05	18.07	18.91	20.32	21.33	21.01	22.03	22.87
	6H	16.49	17.43	17.20	18.14	18.99	20.62	21.56	21.33	22.27	23.12
	8H	16.50	17.40	17.22	18.13	18.98	20.71	21.60	21.43	22.33	23.18
	12H	16.48	17.34	17.21	18.06	18.94	20.76	21.61	21.48	22.34	23.22
4H	2H	16.72	17.74	17.42	18.44	19.27	18.93	19.95	19.63	20.65	21.48
	3H	17.78	18.63	18.49	19.36	20.22	20.47	21.32	21.18	22.06	22.91
	4H	18.07	18.84	18.80	19.58	20.46	21.02	21.78	21.74	22.52	23.41
	6H	18.21	18.88	18.96	19.64	20.54	21.40	22.07	22.15	22.83	23.73
	8H	18.23	18.85	18.98	19.61	20.51	21.52	22.14	22.27	22.90	23.81
	12H	18.21	18.77	18.98	19.55	20.46	21.59	22.15	22.36	22.94	23.85
8H	4H	18.55	19.17	19.30	19.93	20.84	21.17	21.79	21.92	22.55	23.45
	6H	18.83	19.34	19.61	20.15	21.05	21.62	22.14	22.40	22.94	23.85
	8H	18.87	19.33	19.67	20.14	21.06	21.78	22.24	22.57	23.04	23.96
	12H	18.87	19.28	19.67	20.07	21.05	21.89	22.30	22.69	23.09	24.07
12H	4H	18.57	19.13	19.35	19.92	20.83	21.15	21.71	21.92	22.49	23.40
	6H	18.89	19.35	19.68	20.15	21.08	21.62	22.08	22.41	22.88	23.80
	8H	18.97	19.38	19.77	20.17	21.15	21.80	22.20	22.59	23.00	23.98