

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: P934465

Luminaire Tested: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934465
REPORT IS A COMBINATION OF REPORTS P933700 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

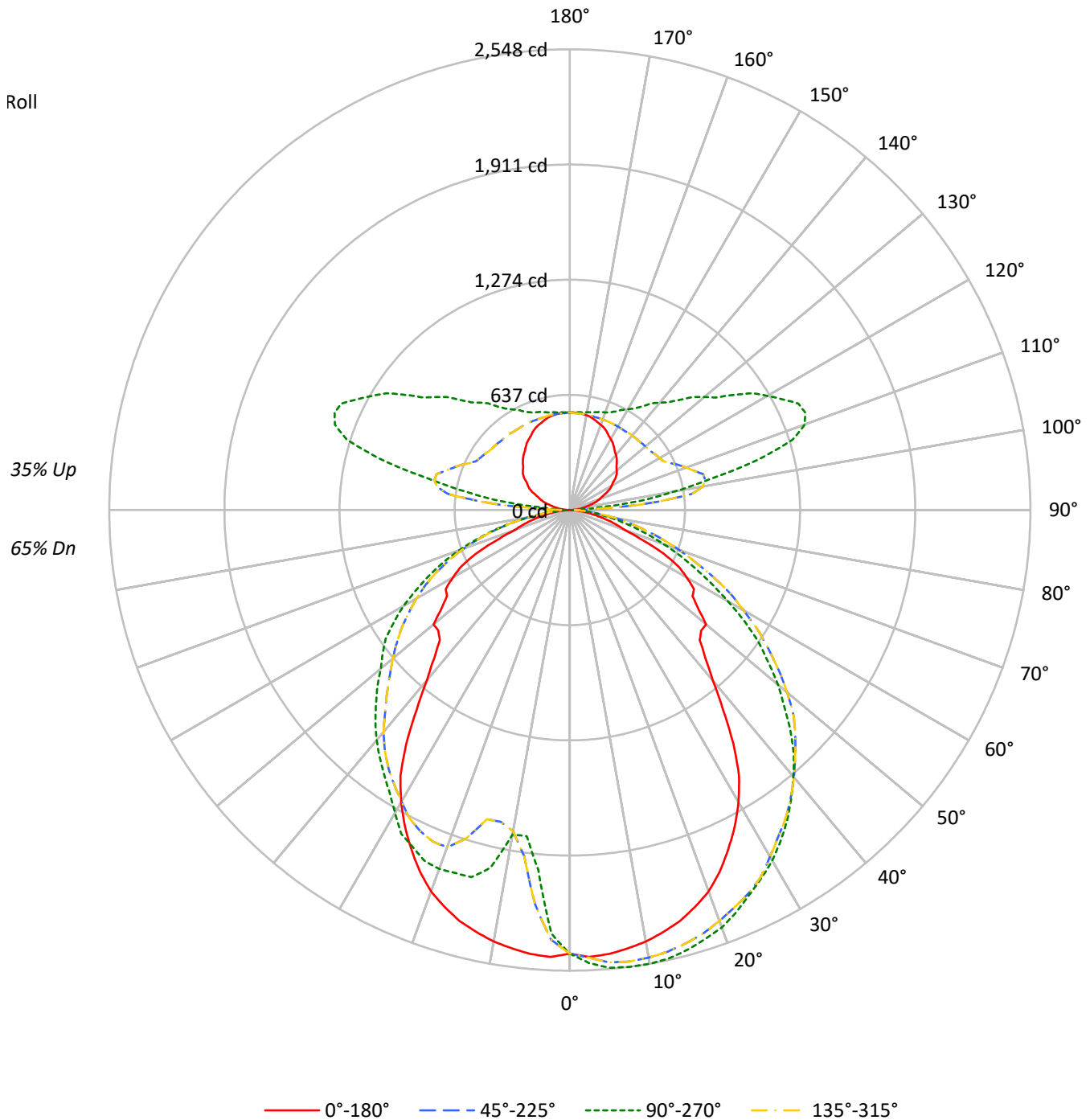
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9859.8 lumens
Efficiency: N/A
Efficacy: 109.1 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): 90.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P934465
CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P934465

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-3000K

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	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69	65	65	65	65
1	101	97	93	89	95	91	88	84	80	78	75	71	69	67	62	60	59	55	55	55	55
2	92	85	78	73	86	80	74	69	70	66	63	62	59	56	54	52	50	46	46	46	46
3	84	74	67	61	79	70	63	58	62	57	53	55	51	47	48	45	42	39	39	39	39
4	77	66	58	52	72	62	55	49	55	49	45	49	44	41	43	39	36	33	33	33	33
5	71	59	50	44	66	56	48	42	49	43	39	44	39	35	39	35	32	29	29	29	29
6	65	53	44	38	61	50	42	37	45	38	34	40	35	31	35	31	28	25	25	25	25
7	60	48	39	34	56	45	38	32	40	34	30	36	31	27	32	28	25	22	22	22	22
8	56	43	35	30	52	41	34	29	37	31	27	33	28	24	29	25	22	20	20	20	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	27	23	20	18	18	18	18
10	49	36	29	24	46	35	28	23	31	25	21	28	23	20	25	21	18	16	16	16	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11382	11382	11382	11382
5°	11467	11490	11467	9034
10°	11390	11317	11390	8091
15°	11266	11073	11266	9246
20°	11031	10782	11031	9265
25°	10548	10358	10548	9069
30°	9925	10007	9925	8638
35°	8848	9562	8848	8164
40°	7373	9038	7373	7806
45°	6587	8425	6587	7394
50°	6998	7693	6998	6981
55°	6585	6906	6585	6742
60°	6787	5865	6787	6175
65°	6154	4848	6154	5419
70°	4261	3864	4261	4542
75°	3737	2856	3737	3420
80°	3011	1888	3011	2057
85°	1733	1000	1733	850

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10096 cd/sqm



TEST NUMBER: P934465

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.4	2.2
10°-20°	628.7	6.4
20°-30°	971.9	9.9
30°-40°	1160.3	11.8
40°-50°	1167.1	11.8
50°-60°	1015.5	10.3
60°-70°	720.0	7.3
70°-80°	380.9	3.9
80°-90°	96.9	1.0
90°-100°	263.0	2.7
100°-110°	691.3	7.0
110°-120°	716.8	7.3
120°-130°	575.0	5.8
130°-140°	451.2	4.6
140°-150°	346.3	3.5
150°-160°	249.4	2.5
160°-170°	152.6	1.5
170°-180°	51.6	0.5
0°-30°	1822.1	18.5
0°-40°	2982.3	30.2
0°-60°	5164.9	52.4
0°-90°	6362.7	64.5
90°-120°	1671.1	16.9
90°-150°	3043.6	30.9
90°-180°	3497.0	35.5
0°-180°	9859.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2453	2453	2453	2453	2453	
5°	2465	2541	2465	1998	2465	234
15°	2353	2518	2353	2103	2353	662
25°	2072	2349	2072	2056	2072	952
35°	1576	2096	1576	1789	1576	975
45°	1016	1727	1016	1516	1016	814
55°	829	1274	829	1244	829	761
65°	576	768	576	859	576	550
75°	218	364	218	436	218	229
85°	37	93	37	79	37	50
90°	4	14	4	14	4	5
95°	35	159	35	159	35	39
105°	124	1082	124	1082	124	132
115°	221	1394	221	1394	221	218
125°	308	1110	308	1110	308	273
135°	367	861	367	861	367	284
145°	425	699	425	699	425	267
155°	481	602	481	602	481	221
165°	519	560	519	560	519	146
175°	540	543	540	543	540	51
180°	540	540	540	540	540	



TEST NUMBER: P934465

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2474.1	2474.1	2488.0	2492.6	2492.6	2485.7	2478.7	2485.7	2506.6	2513.5	2511.2
5°	2464.8	2483.3	2508.9	2513.5	2518.2	2515.8	2511.2	2515.8	2539.1	2543.7	2546.0
7.5°	2446.2	2481.0	2513.5	2520.5	2527.5	2520.5	2518.2	2522.8	2546.0	2550.7	2550.7
10°	2423.0	2471.7	2508.9	2513.5	2520.5	2513.5	2513.5	2522.8	2546.0	2550.7	2553.0
12.5°	2390.5	2457.8	2492.6	2497.3	2506.6	2504.2	2501.9	2511.2	2534.4	2539.1	2539.1
15°	2353.4	2432.3	2464.8	2469.4	2485.7	2481.0	2481.0	2490.3	2515.8	2522.8	2520.5
17.5°	2302.3	2399.8	2436.9	2443.9	2455.5	2453.2	2455.5	2464.8	2488.0	2492.6	2495.0
20°	2244.3	2355.7	2399.8	2406.7	2418.4	2418.4	2418.4	2430.0	2453.2	2462.5	2462.5
22.5°	2165.4	2309.3	2355.7	2360.3	2374.2	2374.2	2378.9	2395.1	2416.0	2418.4	2418.4
25°	2072.5	2258.2	2297.6	2311.6	2325.6	2332.5	2339.4	2348.8	2355.7	2353.4	2355.7
27.5°	1975.0	2193.2	2244.3	2253.5	2272.2	2279.1	2288.4	2290.7	2293.1	2300.0	2295.4
30°	1866.0	2102.7	2179.3	2188.6	2218.8	2223.4	2214.1	2218.8	2230.4	2235.0	2239.7
32.5°	1743.0	1968.1	2112.1	2132.9	2160.7	2146.8	2144.5	2151.5	2170.0	2170.0	2174.7
35°	1575.8	1863.7	2049.3	2067.9	2088.8	2072.5	2081.8	2084.1	2095.8	2102.7	2100.4
37.5°	1392.5	1773.1	1984.3	1998.3	2014.6	1993.7	2007.5	2014.6	2023.8	2019.2	2019.2
40°	1230.1	1631.6	1907.8	1917.1	1930.9	1914.7	1928.7	1933.3	1938.0	1933.3	1930.9
42.5°	1109.4	1476.1	1826.5	1838.1	1828.9	1840.5	1845.1	1854.4	1847.4	1838.1	1838.1
45°	1016.5	1434.3	1738.3	1752.3	1738.3	1757.0	1763.9	1763.9	1743.0	1738.3	1736.0
47.5°	986.4	1350.7	1650.2	1650.2	1643.2	1666.4	1678.0	1661.7	1640.8	1633.9	1633.9
50°	984.0	1257.9	1529.5	1520.2	1552.7	1580.5	1568.9	1552.7	1536.4	1510.9	1510.9
52.5°	893.6	1144.2	1373.9	1408.8	1459.8	1476.1	1457.5	1441.3	1413.4	1401.9	1392.5
55°	828.6	1025.9	1232.4	1302.0	1355.4	1376.3	1341.4	1325.3	1283.5	1276.5	1271.9
57.5°	814.6	854.1	1102.4	1190.6	1255.6	1253.2	1232.4	1202.2	1167.4	1160.4	1158.1
60°	747.3	617.4	963.1	1067.6	1134.9	1127.9	1109.4	1081.5	1049.0	1044.4	1039.7
62.5°	677.7	447.9	805.3	923.7	1018.8	1016.5	1000.3	958.5	935.3	923.7	914.4
65°	575.6	376.0	573.3	768.2	905.2	909.7	875.0	844.8	819.3	805.3	803.0
67.5°	438.6	306.4	387.6	640.5	796.1	791.4	747.3	733.4	700.9	693.9	680.0
70°	324.9	204.2	269.2	519.9	689.3	677.7	642.9	626.7	596.5	580.2	570.9
72.5°	269.2	164.8	197.3	403.8	580.2	566.3	536.1	517.6	492.0	478.1	468.8
75°	218.2	174.1	150.9	299.4	471.1	461.9	434.0	415.4	394.5	376.0	378.3
77.5°	160.1	162.5	120.7	220.5	373.6	359.8	343.5	320.3	311.0	292.5	292.5
80°	120.7	127.6	90.6	150.9	269.2	269.2	255.3	239.1	222.8	213.5	213.5
82.5°	81.2	81.2	67.3	95.1	183.4	176.4	167.1	162.5	153.2	148.5	148.5
85°	37.2	46.4	41.8	58.1	99.8	104.4	104.4	99.8	97.5	92.8	95.1
87.5°	11.6	20.9	25.6	32.5	51.0	53.4	55.7	55.7	55.7	58.1	58.1
90°	3.6	6.5	9.4	10.1	15.9	23.6	27.5	24.4	18.4	13.8	13.8
92.5°	14.5	39.1	63.8	69.9	98.3	136.0	154.9	135.8	97.5	68.8	66.0
95°	34.8	79.8	124.9	136.1	241.7	382.5	452.9	404.2	306.7	233.5	225.3
97.5°	60.1	99.8	139.6	149.5	325.6	560.4	677.8	647.0	585.3	539.1	523.3
100°	79.7	115.7	151.7	160.7	356.2	616.7	746.9	749.2	753.7	757.0	738.2
102.5°	96.3	130.0	163.5	172.0	370.1	634.4	766.5	805.8	884.3	943.1	927.0
105°	124.5	153.0	181.5	188.7	380.6	636.4	764.3	852.3	1028.4	1160.4	1151.7
107.5°	153.5	180.1	206.6	213.3	382.4	608.0	720.8	843.6	1089.2	1273.4	1275.5
110°	173.0	197.0	221.1	227.0	379.6	582.9	684.6	821.9	1096.4	1302.3	1311.3



TEST NUMBER: P934465

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	192.3	215.1	237.9	243.6	379.7	561.1	651.7	792.1	1073.1	1283.8	1297.7
115°	221.2	242.3	263.4	268.7	383.2	535.9	612.3	747.6	1018.2	1221.2	1240.3
117.5°	249.8	268.9	288.1	292.9	390.3	520.1	585.0	707.2	951.5	1134.7	1155.9
120°	266.5	284.5	302.6	307.1	396.1	514.9	574.2	685.8	909.0	1076.4	1097.0
122.5°	282.7	300.9	319.1	323.7	404.4	512.0	565.9	666.4	867.4	1018.1	1038.5
125°	307.8	324.3	340.9	345.0	415.6	509.8	556.8	642.2	813.0	941.0	959.8
127.5°	328.0	344.7	361.4	365.6	426.9	508.4	549.2	622.5	769.1	879.1	894.9
130°	338.8	356.9	374.9	379.4	435.0	509.2	546.3	611.6	742.1	839.9	854.6
132.5°	350.1	368.1	386.2	390.7	441.7	509.8	543.8	602.3	719.1	806.6	819.7
135°	366.8	383.2	399.5	403.7	448.9	509.2	539.5	588.4	686.2	759.6	770.9
137.5°	383.8	400.1	416.3	420.4	459.8	512.4	538.7	580.1	662.9	724.9	734.1
140°	397.9	412.9	427.8	431.6	466.5	512.9	536.2	571.9	643.4	696.9	705.5
142.5°	408.8	422.6	436.4	439.9	472.0	514.8	536.2	567.6	630.4	677.4	684.9
145°	425.4	437.5	449.6	452.6	479.3	514.9	532.6	558.2	609.6	648.1	653.7
147.5°	442.0	453.8	465.6	468.5	489.8	518.4	532.6	552.8	593.1	623.4	628.1
150°	452.9	463.6	474.2	476.8	495.4	520.2	532.6	549.6	583.8	609.4	613.1
152.5°	464.2	472.3	480.3	482.3	499.1	521.4	532.6	547.2	576.3	598.1	601.0
155°	480.8	486.8	492.7	494.2	507.0	524.1	532.6	544.2	567.3	584.7	586.6
157.5°	493.1	498.9	504.7	506.2	514.9	526.7	532.6	541.6	559.6	573.1	574.4
160°	501.4	506.0	510.5	511.6	518.6	527.9	532.6	540.3	555.7	567.3	568.1
162.5°	509.8	513.2	516.5	517.4	522.5	529.3	532.6	539.1	552.2	561.9	562.6
165°	518.8	521.9	524.9	525.7	527.9	531.0	532.6	537.3	546.6	553.6	554.4
167.5°	527.2	528.6	530.1	530.4	532.3	534.9	536.2	539.3	545.4	550.0	550.3
170°	532.6	534.0	535.5	535.9	535.9	536.1	536.2	539.3	545.4	550.0	550.0
172.5°	535.5	535.9	536.1	536.2	536.2	536.2	536.2	538.7	543.5	547.1	546.8
175°	539.5	539.5	539.5	539.5	538.4	536.9	536.2	537.7	540.8	543.1	543.1
177.5°	539.5	539.5	539.5	539.5	538.6	537.4	536.9	538.1	540.5	542.4	542.0
180°	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5



TEST NUMBER: P934465

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2515.8	2508.9	2515.8	2511.2	2513.5	2506.6	2485.7	2478.7	2485.7	2492.6	2492.6
5°	2546.0	2541.4	2546.0	2546.0	2543.7	2539.1	2515.8	2511.2	2515.8	2518.2	2513.5
7.5°	2555.3	2548.3	2555.3	2550.7	2550.7	2546.0	2522.8	2518.2	2520.5	2527.5	2520.5
10°	2555.3	2548.3	2555.3	2553.0	2550.7	2546.0	2522.8	2513.5	2513.5	2520.5	2513.5
12.5°	2543.7	2539.1	2543.7	2539.1	2539.1	2534.4	2511.2	2501.9	2504.2	2506.6	2497.3
15°	2525.1	2518.2	2525.1	2520.5	2522.8	2515.8	2490.3	2481.0	2481.0	2485.7	2469.4
17.5°	2497.3	2488.0	2497.3	2495.0	2492.6	2488.0	2464.8	2455.5	2453.2	2455.5	2443.9
20°	2464.8	2457.8	2464.8	2462.5	2462.5	2453.2	2430.0	2418.4	2418.4	2418.4	2406.7
22.5°	2413.7	2406.7	2413.7	2418.4	2418.4	2416.0	2395.1	2378.9	2374.2	2374.2	2360.3
25°	2355.7	2348.8	2355.7	2355.7	2353.4	2355.7	2348.8	2339.4	2332.5	2325.6	2311.6
27.5°	2300.0	2295.4	2300.0	2295.4	2300.0	2293.1	2290.7	2288.4	2279.1	2272.2	2253.5
30°	2244.3	2239.7	2244.3	2239.7	2235.0	2230.4	2218.8	2214.1	2223.4	2218.8	2188.6
32.5°	2174.7	2170.0	2174.7	2174.7	2170.0	2170.0	2151.5	2144.5	2146.8	2160.7	2132.9
35°	2102.7	2095.8	2102.7	2100.4	2102.7	2095.8	2084.1	2081.8	2072.5	2088.8	2067.9
37.5°	2019.2	2012.2	2019.2	2019.2	2019.2	2023.8	2014.6	2007.5	1993.7	2014.6	1998.3
40°	1933.3	1924.0	1933.3	1930.9	1933.3	1938.0	1933.3	1928.7	1914.7	1930.9	1917.1
42.5°	1835.8	1833.5	1835.8	1838.1	1838.1	1847.4	1854.4	1845.1	1840.5	1828.9	1838.1
45°	1731.4	1726.7	1731.4	1736.0	1738.3	1743.0	1763.9	1763.9	1757.0	1738.3	1752.3
47.5°	1619.9	1608.3	1619.9	1633.9	1633.9	1640.8	1661.7	1678.0	1666.4	1643.2	1650.2
50°	1501.6	1503.9	1501.6	1510.9	1510.9	1536.4	1552.7	1568.9	1580.5	1552.7	1520.2
52.5°	1385.6	1383.2	1385.6	1392.5	1401.9	1413.4	1441.3	1457.5	1476.1	1459.8	1408.8
55°	1269.5	1274.2	1269.5	1271.9	1276.5	1283.5	1325.3	1341.4	1376.3	1355.4	1302.0
57.5°	1153.5	1146.5	1153.5	1158.1	1160.4	1167.4	1202.2	1232.4	1253.2	1255.6	1190.6
60°	1018.8	1009.6	1018.8	1039.7	1044.4	1049.0	1081.5	1109.4	1127.9	1134.9	1067.6
62.5°	900.5	884.3	900.5	914.4	923.7	935.3	958.5	1000.3	1016.5	1018.8	923.7
65°	775.2	768.2	775.2	803.0	805.3	819.3	844.8	875.0	909.7	905.2	768.2
67.5°	661.4	661.4	661.4	680.0	693.9	700.9	733.4	747.3	791.4	796.1	640.5
70°	557.0	554.7	557.0	570.9	580.2	596.5	626.7	642.9	677.7	689.3	519.9
72.5°	457.2	454.9	457.2	468.8	478.1	492.0	517.6	536.1	566.3	580.2	403.8
75°	369.1	364.4	369.1	378.3	376.0	394.5	415.4	434.0	461.9	471.1	299.4
77.5°	283.2	283.2	283.2	292.5	292.5	311.0	320.3	343.5	359.8	373.6	220.5
80°	211.2	208.9	211.2	213.5	213.5	222.8	239.1	255.3	269.2	269.2	150.9
82.5°	148.5	143.9	148.5	148.5	148.5	153.2	162.5	167.1	176.4	183.4	95.1
85°	92.8	92.8	92.8	95.1	92.8	97.5	99.8	104.4	104.4	99.8	58.1
87.5°	60.3	58.1	60.3	58.1	58.1	55.7	55.7	55.7	53.4	51.0	32.5
90°	13.8	13.8	13.8	13.8	13.8	18.4	24.4	27.5	23.6	15.9	10.1
92.5°	55.1	44.2	55.1	66.0	68.8	97.5	135.8	154.9	136.0	98.3	69.9
95°	192.1	159.0	192.1	225.3	233.5	306.7	404.2	452.9	382.5	241.7	136.1
97.5°	460.2	397.2	460.2	523.3	539.1	585.3	647.0	677.8	560.4	325.6	149.5
100°	663.1	587.9	663.1	738.2	757.0	753.7	749.2	746.9	616.7	356.2	160.7
102.5°	862.7	798.3	862.7	927.0	943.1	884.3	805.8	766.5	634.4	370.1	172.0
105°	1117.1	1082.5	1117.1	1151.7	1160.4	1028.4	852.3	764.3	636.4	380.6	188.7
107.5°	1283.8	1292.2	1283.8	1275.5	1273.4	1089.2	843.6	720.8	608.0	382.4	213.3
110°	1347.3	1383.4	1347.3	1311.3	1302.3	1096.4	821.9	684.6	582.9	379.6	227.0



TEST NUMBER: P934465

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1353.0	1408.4	1353.0	1297.7	1283.8	1073.1	792.1	651.7	561.1	379.7	243.6
115°	1317.1	1393.9	1317.1	1240.3	1221.2	1018.2	747.6	612.3	535.9	383.2	268.7
117.5°	1241.1	1326.2	1241.1	1155.9	1134.7	951.5	707.2	585.0	520.1	390.3	292.9
120°	1179.7	1262.5	1179.7	1097.0	1076.4	909.0	685.8	574.2	514.9	396.1	307.1
122.5°	1120.1	1201.7	1120.1	1038.5	1018.1	867.4	666.4	565.9	512.0	404.4	323.7
125°	1034.9	1110.1	1034.9	959.8	941.0	813.0	642.2	556.8	509.8	415.6	345.0
127.5°	958.3	1021.7	958.3	894.9	879.1	769.1	622.5	549.2	508.4	426.9	365.6
130°	913.2	971.8	913.2	854.6	839.9	742.1	611.6	546.3	509.2	435.0	379.4
132.5°	872.2	924.7	872.2	819.7	806.6	719.1	602.3	543.8	509.8	441.7	390.7
135°	816.1	861.3	816.1	770.9	759.6	686.2	588.4	539.5	509.2	448.9	403.7
137.5°	771.1	808.1	771.1	734.1	724.9	662.9	580.1	538.7	512.4	459.8	420.4
140°	740.1	774.7	740.1	705.5	696.9	643.4	571.9	536.2	512.9	466.5	431.6
142.5°	714.6	744.4	714.6	684.9	677.4	630.4	567.6	536.2	514.8	472.0	439.9
145°	676.3	698.8	676.3	653.7	648.1	609.6	558.2	532.6	514.9	479.3	452.6
147.5°	646.8	665.5	646.8	628.1	623.4	593.1	552.8	532.6	518.4	489.8	468.5
150°	628.2	643.4	628.2	613.1	609.4	583.8	549.6	532.6	520.2	495.4	476.8
152.5°	612.4	623.9	612.4	601.0	598.1	576.3	547.2	532.6	521.4	499.1	482.3
155°	594.2	601.7	594.2	586.6	584.7	567.3	544.2	532.6	524.1	507.0	494.2
157.5°	579.8	585.0	579.8	574.4	573.1	559.6	541.6	532.6	526.7	514.9	506.2
160°	571.2	574.2	571.2	568.1	567.3	555.7	540.3	532.6	527.9	518.6	511.6
162.5°	565.5	568.4	565.5	562.6	561.9	552.2	539.1	532.6	529.3	522.5	517.4
165°	557.4	560.4	557.4	554.4	553.6	546.6	537.3	532.6	531.0	527.9	525.7
167.5°	551.6	552.9	551.6	550.3	550.0	545.4	539.3	536.2	534.9	532.3	530.4
170°	550.0	550.0	550.0	550.0	550.0	545.4	539.3	536.2	536.1	535.9	535.9
172.5°	545.7	544.5	545.7	546.8	547.1	543.5	538.7	536.2	536.2	536.2	536.2
175°	543.1	543.1	543.1	543.1	543.1	540.8	537.7	536.2	536.9	538.4	539.5
177.5°	540.8	539.5	540.8	542.0	542.4	540.5	538.1	536.9	537.4	538.6	539.5
180°	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5



TEST NUMBER: P934465

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2488.0	2474.1	2474.1	2450.9	2441.6	2434.7	2423.0	2388.2	2378.9	2369.7	2383.5
5°	2508.9	2483.3	2464.8	2423.0	2388.2	2374.2	2330.1	2246.6	2190.9	2149.1	2125.9
7.5°	2513.5	2481.0	2446.2	2381.2	2297.6	2260.6	2125.9	1972.8	1930.9	1893.9	1870.6
10°	2508.9	2471.7	2423.0	2325.6	2128.2	2063.3	1928.7	1828.9	1803.3	1796.4	1803.3
12.5°	2492.6	2457.8	2390.5	2228.1	1951.8	1907.8	1828.9	1770.8	1766.2	1777.8	1840.5
15°	2464.8	2432.3	2353.4	2098.1	1854.4	1821.9	1766.2	1745.3	1770.8	1852.1	2040.0
17.5°	2436.9	2399.8	2302.3	1970.5	1780.1	1757.0	1717.4	1759.2	1903.1	2012.2	2074.9
20°	2399.8	2355.7	2244.3	1877.6	1726.7	1705.8	1687.3	1875.3	1984.3	2023.8	2058.6
22.5°	2355.7	2309.3	2165.4	1812.6	1671.1	1654.8	1666.4	1940.3	1984.3	2012.2	2042.4
25°	2297.6	2258.2	2072.5	1761.5	1627.0	1608.3	1652.4	1933.3	1958.8	1965.8	2026.2
27.5°	2244.3	2193.2	1975.0	1715.1	1573.6	1566.6	1664.1	1903.1	1921.7	1928.7	1993.7
30°	2179.3	2102.7	1866.0	1666.4	1517.9	1515.5	1666.4	1866.0	1861.4	1879.9	1944.9
32.5°	2112.1	1968.1	1743.0	1606.1	1464.5	1462.2	1650.2	1810.3	1805.6	1831.2	1879.9
35°	2049.3	1863.7	1575.8	1536.4	1397.2	1399.5	1610.7	1745.3	1747.6	1770.8	1801.0
37.5°	1984.3	1773.1	1392.5	1459.8	1332.2	1332.2	1557.3	1684.9	1680.4	1687.3	1729.0
40°	1907.8	1631.6	1230.1	1360.0	1271.9	1264.8	1492.3	1619.9	1603.7	1601.4	1659.5
42.5°	1826.5	1476.1	1109.4	1227.8	1202.2	1192.9	1413.4	1541.1	1510.9	1517.9	1592.1
45°	1738.3	1434.3	1016.5	1037.4	1130.3	1123.3	1327.6	1450.5	1429.7	1448.2	1524.8
47.5°	1650.2	1350.7	986.4	861.1	1053.7	1051.3	1232.4	1362.3	1350.7	1369.4	1450.5
50°	1529.5	1257.9	984.0	738.0	967.8	977.1	1118.7	1276.5	1276.5	1292.8	1378.6
52.5°	1373.9	1144.2	893.6	668.4	868.0	895.9	1018.8	1202.2	1206.9	1223.1	1299.7
55°	1232.4	1025.9	828.6	615.1	749.6	810.0	921.4	1125.6	1134.9	1151.2	1220.8
57.5°	1102.4	854.1	814.6	552.4	640.5	698.6	835.5	1051.3	1056.0	1069.9	1137.2
60°	963.1	617.4	747.3	485.1	545.4	589.5	756.6	963.1	979.4	988.7	1046.8
62.5°	805.3	447.9	677.7	438.6	499.0	508.3	691.7	879.6	900.5	907.5	942.2
65°	573.3	376.0	575.6	399.2	450.2	452.6	622.0	793.7	812.3	823.9	849.4
67.5°	387.6	306.4	438.6	362.0	413.2	415.4	554.7	693.9	719.5	728.7	745.0
70°	269.2	204.2	324.9	322.6	371.3	376.0	482.7	603.4	626.7	633.6	642.9
72.5°	197.3	164.8	269.2	290.1	327.3	331.9	408.5	501.3	524.5	531.5	536.1
75°	150.9	174.1	218.2	253.0	278.5	280.8	334.2	408.5	424.7	429.4	431.7
77.5°	120.7	162.5	160.1	204.2	227.5	222.8	262.3	315.7	329.5	329.5	329.5
80°	90.6	127.6	120.7	146.2	167.1	162.5	188.0	225.1	229.8	234.4	232.0
82.5°	67.3	81.2	81.2	92.8	111.4	106.8	125.3	146.2	146.2	146.2	150.9
85°	41.8	46.4	37.2	48.7	62.6	60.3	69.6	78.9	81.2	81.2	76.6
87.5°	25.6	20.9	11.6	18.5	27.8	27.8	32.5	34.8	32.5	32.5	32.5
90°	9.4	6.5	3.6	6.5	9.4	10.1	15.9	23.6	27.5	24.4	18.4
92.5°	63.8	39.1	14.5	39.1	63.8	69.9	98.3	136.0	154.9	135.8	97.5
95°	124.9	79.8	34.8	79.8	124.9	136.1	241.7	382.5	452.9	404.2	306.7
97.5°	139.6	99.8	60.1	99.8	139.6	149.5	325.6	560.4	677.8	647.0	585.3
100°	151.7	115.7	79.7	115.7	151.7	160.7	356.2	616.7	746.9	749.2	753.7
102.5°	163.5	130.0	96.3	130.0	163.5	172.0	370.1	634.4	766.5	805.8	884.3
105°	181.5	153.0	124.5	153.0	181.5	188.7	380.6	636.4	764.3	852.3	1028.4
107.5°	206.6	180.1	153.5	180.1	206.6	213.3	382.4	608.0	720.8	843.6	1089.2
110°	221.1	197.0	173.0	197.0	221.1	227.0	379.6	582.9	684.6	821.9	1096.4



TEST NUMBER: P934465

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	237.9	215.1	192.3	215.1	237.9	243.6	379.7	561.1	651.7	792.1	1073.1
115°	263.4	242.3	221.2	242.3	263.4	268.7	383.2	535.9	612.3	747.6	1018.2
117.5°	288.1	268.9	249.8	268.9	288.1	292.9	390.3	520.1	585.0	707.2	951.5
120°	302.6	284.5	266.5	284.5	302.6	307.1	396.1	514.9	574.2	685.8	909.0
122.5°	319.1	300.9	282.7	300.9	319.1	323.7	404.4	512.0	565.9	666.4	867.4
125°	340.9	324.3	307.8	324.3	340.9	345.0	415.6	509.8	556.8	642.2	813.0
127.5°	361.4	344.7	328.0	344.7	361.4	365.6	426.9	508.4	549.2	622.5	769.1
130°	374.9	356.9	338.8	356.9	374.9	379.4	435.0	509.2	546.3	611.6	742.1
132.5°	386.2	368.1	350.1	368.1	386.2	390.7	441.7	509.8	543.8	602.3	719.1
135°	399.5	383.2	366.8	383.2	399.5	403.7	448.9	509.2	539.5	588.4	686.2
137.5°	416.3	400.1	383.8	400.1	416.3	420.4	459.8	512.4	538.7	580.1	662.9
140°	427.8	412.9	397.9	412.9	427.8	431.6	466.5	512.9	536.2	571.9	643.4
142.5°	436.4	422.6	408.8	422.6	436.4	439.9	472.0	514.8	536.2	567.6	630.4
145°	449.6	437.5	425.4	437.5	449.6	452.6	479.3	514.9	532.6	558.2	609.6
147.5°	465.6	453.8	442.0	453.8	465.6	468.5	489.8	518.4	532.6	552.8	593.1
150°	474.2	463.6	452.9	463.6	474.2	476.8	495.4	520.2	532.6	549.6	583.8
152.5°	480.3	472.3	464.2	472.3	480.3	482.3	499.1	521.4	532.6	547.2	576.3
155°	492.7	486.8	480.8	486.8	492.7	494.2	507.0	524.1	532.6	544.2	567.3
157.5°	504.7	498.9	493.1	498.9	504.7	506.2	514.9	526.7	532.6	541.6	559.6
160°	510.5	506.0	501.4	506.0	510.5	511.6	518.6	527.9	532.6	540.3	555.7
162.5°	516.5	513.2	509.8	513.2	516.5	517.4	522.5	529.3	532.6	539.1	552.2
165°	524.9	521.9	518.8	521.9	524.9	525.7	527.9	531.0	532.6	537.3	546.6
167.5°	530.1	528.6	527.2	528.6	530.1	530.4	532.3	534.9	536.2	539.3	545.4
170°	535.5	534.0	532.6	534.0	535.5	535.9	535.9	536.1	536.2	539.3	545.4
172.5°	536.1	535.9	535.5	535.9	536.1	536.2	536.2	536.2	536.2	538.7	543.5
175°	539.5	539.5	539.5	539.5	539.5	539.5	538.4	536.9	536.2	537.7	540.8
177.5°	539.5	539.5	539.5	539.5	539.5	539.5	538.6	537.4	536.9	538.1	540.5
180°	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5



TEST NUMBER: P934465

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2367.3	2360.3	2369.7	2344.1	2369.7	2360.3	2367.3	2383.5	2369.7	2378.9	2388.2
5°	2077.2	2065.6	2028.4	1998.3	2028.4	2065.6	2077.2	2125.9	2149.1	2190.9	2246.6
7.5°	1856.7	1847.4	1838.1	1819.6	1838.1	1847.4	1856.7	1870.6	1893.9	1930.9	1972.8
10°	1808.0	1810.3	1824.2	1821.9	1824.2	1810.3	1808.0	1803.3	1796.4	1803.3	1828.9
12.5°	1933.3	1954.2	2030.8	2026.2	2030.8	1954.2	1933.3	1840.5	1777.8	1766.2	1770.8
15°	2077.2	2084.1	2100.4	2102.7	2100.4	2084.1	2077.2	2040.0	1852.1	1770.8	1745.3
17.5°	2091.1	2093.4	2105.0	2105.0	2105.0	2093.4	2091.1	2074.9	2012.2	1903.1	1759.2
20°	2079.6	2084.1	2107.4	2112.1	2107.4	2084.1	2079.6	2058.6	2023.8	1984.3	1875.3
22.5°	2074.9	2084.1	2102.7	2100.4	2102.7	2084.1	2074.9	2042.4	2012.2	1984.3	1940.3
25°	2051.6	2051.6	2054.0	2056.3	2054.0	2051.6	2051.6	2026.2	1965.8	1958.8	1933.3
27.5°	2003.0	2007.5	2021.5	2019.2	2021.5	2007.5	2003.0	1993.7	1928.7	1921.7	1903.1
30°	1958.8	1954.2	1942.5	1933.3	1942.5	1954.2	1958.8	1944.9	1879.9	1861.4	1866.0
32.5°	1884.6	1873.0	1861.4	1854.4	1861.4	1873.0	1884.6	1879.9	1831.2	1805.6	1810.3
35°	1796.4	1798.7	1796.4	1789.4	1796.4	1798.7	1796.4	1801.0	1770.8	1747.6	1745.3
37.5°	1733.7	1738.3	1736.0	1726.7	1736.0	1738.3	1733.7	1729.0	1687.3	1680.4	1684.9
40°	1668.7	1671.1	1668.7	1661.7	1668.7	1671.1	1668.7	1659.5	1601.4	1603.7	1619.9
42.5°	1606.1	1603.7	1596.8	1592.1	1596.8	1603.7	1606.1	1592.1	1517.9	1510.9	1541.1
45°	1534.1	1536.4	1522.5	1515.5	1522.5	1536.4	1534.1	1524.8	1448.2	1429.7	1450.5
47.5°	1462.2	1462.2	1450.5	1443.6	1450.5	1462.2	1462.2	1450.5	1369.4	1350.7	1362.3
50°	1385.6	1383.2	1367.0	1364.7	1367.0	1383.2	1385.6	1378.6	1292.8	1276.5	1276.5
52.5°	1297.3	1297.3	1299.7	1304.4	1299.7	1297.3	1297.3	1299.7	1223.1	1206.9	1202.2
55°	1220.8	1223.1	1239.4	1244.0	1239.4	1223.1	1220.8	1220.8	1151.2	1134.9	1125.6
57.5°	1141.9	1141.9	1153.5	1153.5	1153.5	1141.9	1141.9	1137.2	1069.9	1056.0	1051.3
60°	1051.3	1056.0	1065.3	1063.0	1065.3	1056.0	1051.3	1046.8	988.7	979.4	963.1
62.5°	956.2	960.9	963.1	958.5	963.1	960.9	956.2	942.2	907.5	900.5	879.6
65°	856.4	861.1	863.4	858.7	863.4	861.1	856.4	849.4	823.9	812.3	793.7
67.5°	754.3	752.0	749.6	758.9	749.6	752.0	754.3	745.0	728.7	719.5	693.9
70°	649.9	649.9	647.5	652.1	647.5	649.9	649.9	642.9	633.6	626.7	603.4
72.5°	538.5	536.1	545.4	538.5	545.4	536.1	538.5	536.1	531.5	524.5	501.3
75°	429.4	434.0	429.4	436.3	429.4	434.0	429.4	431.7	429.4	424.7	408.5
77.5°	327.3	331.9	327.3	327.3	327.3	331.9	327.3	329.5	329.5	329.5	315.7
80°	232.0	229.8	229.8	227.5	229.8	229.8	232.0	232.0	234.4	229.8	225.1
82.5°	148.5	146.2	146.2	150.9	146.2	146.2	148.5	150.9	146.2	146.2	146.2
85°	81.2	83.5	78.9	78.9	78.9	83.5	81.2	76.6	81.2	81.2	78.9
87.5°	30.2	27.8	27.8	27.8	27.8	27.8	30.2	32.5	32.5	32.5	34.8
90°	13.8	13.8	13.8	13.8	13.8	13.8	13.8	18.4	24.4	27.5	23.6
92.5°	68.8	66.0	55.1	44.2	55.1	66.0	68.8	97.5	135.8	154.9	136.0
95°	233.5	225.3	192.1	159.0	192.1	225.3	233.5	306.7	404.2	452.9	382.5
97.5°	539.1	523.3	460.2	397.2	460.2	523.3	539.1	585.3	647.0	677.8	560.4
100°	757.0	738.2	663.1	587.9	663.1	738.2	757.0	753.7	749.2	746.9	616.7
102.5°	943.1	927.0	862.7	798.3	862.7	927.0	943.1	884.3	805.8	766.5	634.4
105°	1160.4	1151.7	1117.1	1082.5	1117.1	1151.7	1160.4	1028.4	852.3	764.3	636.4
107.5°	1273.4	1275.5	1283.8	1292.2	1283.8	1275.5	1273.4	1089.2	843.6	720.8	608.0
110°	1302.3	1311.3	1347.3	1383.4	1347.3	1311.3	1302.3	1096.4	821.9	684.6	582.9



TEST NUMBER: P934465

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1283.8	1297.7	1353.0	1408.4	1353.0	1297.7	1283.8	1073.1	792.1	651.7	561.1
115°	1221.2	1240.3	1317.1	1393.9	1317.1	1240.3	1221.2	1018.2	747.6	612.3	535.9
117.5°	1134.7	1155.9	1241.1	1326.2	1241.1	1155.9	1134.7	951.5	707.2	585.0	520.1
120°	1076.4	1097.0	1179.7	1262.5	1179.7	1097.0	1076.4	909.0	685.8	574.2	514.9
122.5°	1018.1	1038.5	1120.1	1201.7	1120.1	1038.5	1018.1	867.4	666.4	565.9	512.0
125°	941.0	959.8	1034.9	1110.1	1034.9	959.8	941.0	813.0	642.2	556.8	509.8
127.5°	879.1	894.9	958.3	1021.7	958.3	894.9	879.1	769.1	622.5	549.2	508.4
130°	839.9	854.6	913.2	971.8	913.2	854.6	839.9	742.1	611.6	546.3	509.2
132.5°	806.6	819.7	872.2	924.7	872.2	819.7	806.6	719.1	602.3	543.8	509.8
135°	759.6	770.9	816.1	861.3	816.1	770.9	759.6	686.2	588.4	539.5	509.2
137.5°	724.9	734.1	771.1	808.1	771.1	734.1	724.9	662.9	580.1	538.7	512.4
140°	696.9	705.5	740.1	774.7	740.1	705.5	696.9	643.4	571.9	536.2	512.9
142.5°	677.4	684.9	714.6	744.4	714.6	684.9	677.4	630.4	567.6	536.2	514.8
145°	648.1	653.7	676.3	698.8	676.3	653.7	648.1	609.6	558.2	532.6	514.9
147.5°	623.4	628.1	646.8	665.5	646.8	628.1	623.4	593.1	552.8	532.6	518.4
150°	609.4	613.1	628.2	643.4	628.2	613.1	609.4	583.8	549.6	532.6	520.2
152.5°	598.1	601.0	612.4	623.9	612.4	601.0	598.1	576.3	547.2	532.6	521.4
155°	584.7	586.6	594.2	601.7	594.2	586.6	584.7	567.3	544.2	532.6	524.1
157.5°	573.1	574.4	579.8	585.0	579.8	574.4	573.1	559.6	541.6	532.6	526.7
160°	567.3	568.1	571.2	574.2	571.2	568.1	567.3	555.7	540.3	532.6	527.9
162.5°	561.9	562.6	565.5	568.4	565.5	562.6	561.9	552.2	539.1	532.6	529.3
165°	553.6	554.4	557.4	560.4	557.4	554.4	553.6	546.6	537.3	532.6	531.0
167.5°	550.0	550.3	551.6	552.9	551.6	550.3	550.0	545.4	539.3	536.2	534.9
170°	550.0	550.0	550.0	550.0	550.0	550.0	550.0	545.4	539.3	536.2	536.1
172.5°	547.1	546.8	545.7	544.5	545.7	546.8	547.1	543.5	538.7	536.2	536.2
175°	543.1	543.1	543.1	543.1	543.1	543.1	543.1	540.8	537.7	536.2	536.9
177.5°	542.4	542.0	540.8	539.5	540.8	542.0	542.4	540.5	538.1	536.9	537.4
180°	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5



TEST NUMBER: P934465

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2423.0	2434.7	2441.6	2450.9	2474.1
5°	2330.1	2374.2	2388.2	2423.0	2464.8
7.5°	2125.9	2260.6	2297.6	2381.2	2446.2
10°	1928.7	2063.3	2128.2	2325.6	2423.0
12.5°	1828.9	1907.8	1951.8	2228.1	2390.5
15°	1766.2	1821.9	1854.4	2098.1	2353.4
17.5°	1717.4	1757.0	1780.1	1970.5	2302.3
20°	1687.3	1705.8	1726.7	1877.6	2244.3
22.5°	1666.4	1654.8	1671.1	1812.6	2165.4
25°	1652.4	1608.3	1627.0	1761.5	2072.5
27.5°	1664.1	1566.6	1573.6	1715.1	1975.0
30°	1666.4	1515.5	1517.9	1666.4	1866.0
32.5°	1650.2	1462.2	1464.5	1606.1	1743.0
35°	1610.7	1399.5	1397.2	1536.4	1575.8
37.5°	1557.3	1332.2	1332.2	1459.8	1392.5
40°	1492.3	1264.8	1271.9	1360.0	1230.1
42.5°	1413.4	1192.9	1202.2	1227.8	1109.4
45°	1327.6	1123.3	1130.3	1037.4	1016.5
47.5°	1232.4	1051.3	1053.7	861.1	986.4
50°	1118.7	977.1	967.8	738.0	984.0
52.5°	1018.8	895.9	868.0	668.4	893.6
55°	921.4	810.0	749.6	615.1	828.6
57.5°	835.5	698.6	640.5	552.4	814.6
60°	756.6	589.5	545.4	485.1	747.3
62.5°	691.7	508.3	499.0	438.6	677.7
65°	622.0	452.6	450.2	399.2	575.6
67.5°	554.7	415.4	413.2	362.0	438.6
70°	482.7	376.0	371.3	322.6	324.9
72.5°	408.5	331.9	327.3	290.1	269.2
75°	334.2	280.8	278.5	253.0	218.2
77.5°	262.3	222.8	227.5	204.2	160.1
80°	188.0	162.5	167.1	146.2	120.7
82.5°	125.3	106.8	111.4	92.8	81.2
85°	69.6	60.3	62.6	48.7	37.2
87.5°	32.5	27.8	27.8	18.5	11.6
90°	15.9	10.1	9.4	6.5	3.6
92.5°	98.3	69.9	63.8	39.1	14.5
95°	241.7	136.1	124.9	79.8	34.8
97.5°	325.6	149.5	139.6	99.8	60.1
100°	356.2	160.7	151.7	115.7	79.7
102.5°	370.1	172.0	163.5	130.0	96.3
105°	380.6	188.7	181.5	153.0	124.5
107.5°	382.4	213.3	206.6	180.1	153.5
110°	379.6	227.0	221.1	197.0	173.0



TEST NUMBER: P934465

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	379.7	243.6	237.9	215.1	192.3
115°	383.2	268.7	263.4	242.3	221.2
117.5°	390.3	292.9	288.1	268.9	249.8
120°	396.1	307.1	302.6	284.5	266.5
122.5°	404.4	323.7	319.1	300.9	282.7
125°	415.6	345.0	340.9	324.3	307.8
127.5°	426.9	365.6	361.4	344.7	328.0
130°	435.0	379.4	374.9	356.9	338.8
132.5°	441.7	390.7	386.2	368.1	350.1
135°	448.9	403.7	399.5	383.2	366.8
137.5°	459.8	420.4	416.3	400.1	383.8
140°	466.5	431.6	427.8	412.9	397.9
142.5°	472.0	439.9	436.4	422.6	408.8
145°	479.3	452.6	449.6	437.5	425.4
147.5°	489.8	468.5	465.6	453.8	442.0
150°	495.4	476.8	474.2	463.6	452.9
152.5°	499.1	482.3	480.3	472.3	464.2
155°	507.0	494.2	492.7	486.8	480.8
157.5°	514.9	506.2	504.7	498.9	493.1
160°	518.6	511.6	510.5	506.0	501.4
162.5°	522.5	517.4	516.5	513.2	509.8
165°	527.9	525.7	524.9	521.9	518.8
167.5°	532.3	530.4	530.1	528.6	527.2
170°	535.9	535.9	535.5	534.0	532.6
172.5°	536.2	536.2	536.1	535.9	535.5
175°	538.4	539.5	539.5	539.5	539.5
177.5°	538.6	539.5	539.5	539.5	539.5
180°	539.5	539.5	539.5	539.5	539.5



TEST NUMBER: P934465
 CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-3000K

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	15.51	15.32	16.35	17.40	17.34	18.35	18.16	19.19	20.24
	3H	14.99	15.89	15.82	16.75	17.82	18.70	19.60	19.53	20.46	21.53
	4H	15.19	16.04	16.04	16.90	17.99	19.15	20.00	20.00	20.86	21.95
	6H	15.31	16.10	16.18	16.97	18.07	19.44	20.23	20.31	21.10	22.20
	8H	15.32	16.07	16.19	16.95	18.05	19.52	20.27	20.40	21.16	22.26
	12H	15.29	16.01	16.17	16.89	18.01	19.57	20.28	20.45	21.16	22.29
4H	2H	15.55	16.41	16.41	17.27	18.35	17.76	18.62	18.62	19.48	20.57
	3H	16.59	17.31	17.46	18.20	19.30	19.29	20.00	20.15	20.89	21.99
	4H	16.88	17.52	17.76	18.41	19.54	19.82	20.47	20.70	21.36	22.49
	6H	17.01	17.57	17.90	18.48	19.61	20.20	20.76	21.09	21.67	22.80
	8H	17.02	17.54	17.92	18.45	19.59	20.31	20.83	21.21	21.74	22.89
	12H	16.99	17.46	17.91	18.39	19.54	20.37	20.85	21.29	21.77	22.92
8H	4H	17.34	17.87	18.24	18.77	19.92	19.96	20.48	20.86	21.39	22.53
	6H	17.61	18.04	18.53	18.99	20.14	20.40	20.84	21.33	21.79	22.93
	8H	17.65	18.04	18.59	18.98	20.14	20.56	20.94	21.49	21.88	23.04
	12H	17.64	17.98	18.58	18.92	20.13	20.66	21.00	21.60	21.94	23.15
12H	4H	17.36	17.83	18.27	18.75	19.90	19.93	20.40	20.85	21.33	22.48
	6H	17.67	18.06	18.61	19.00	20.16	20.40	20.79	21.34	21.73	22.89
	8H	17.75	18.08	18.68	19.02	20.23	20.57	20.91	21.51	21.84	23.06