

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: P934866

Luminaire Tested: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934866
REPORT IS A COMBINATION OF REPORTS P933716 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

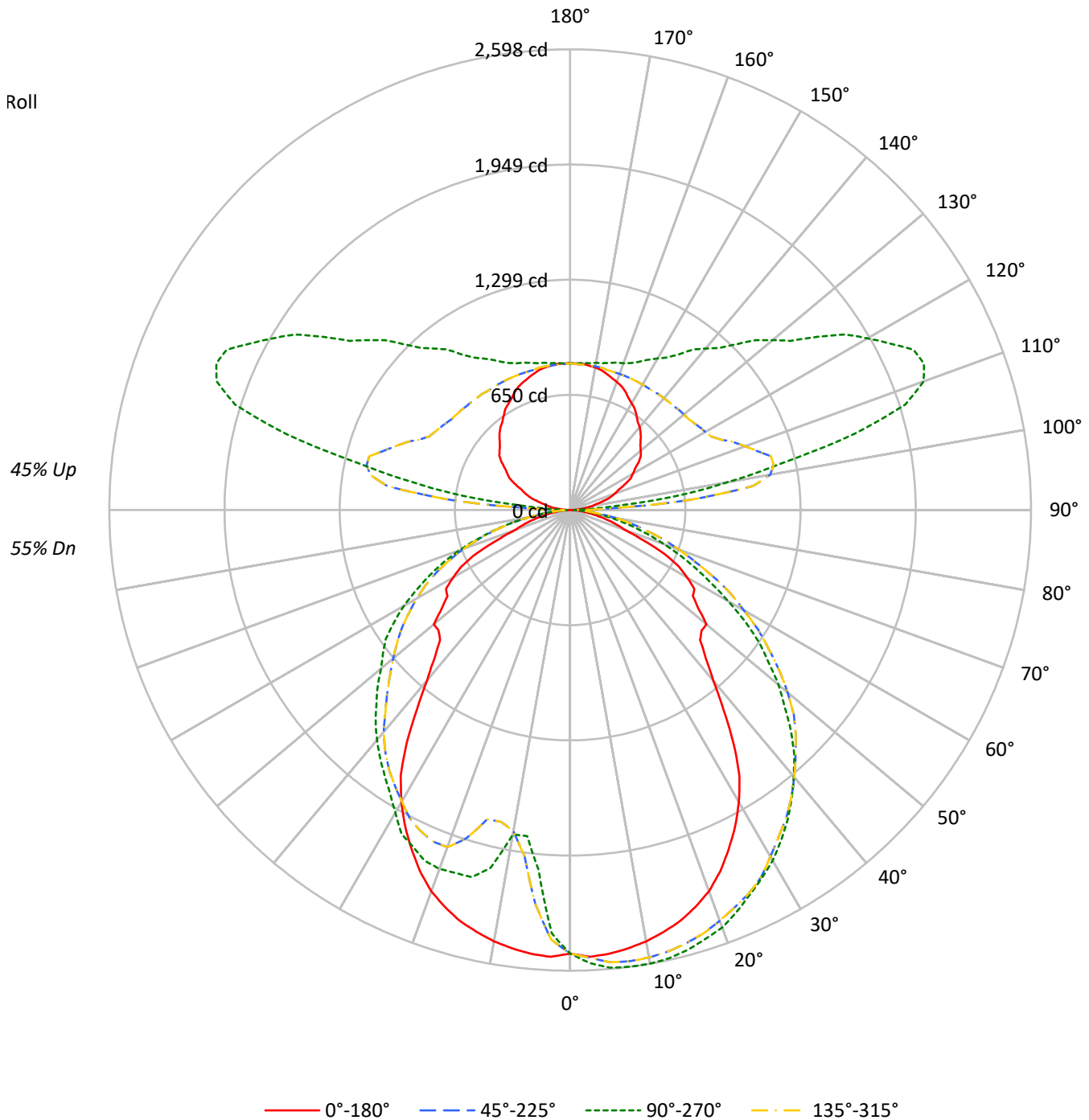
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11848.6 lumens
Efficiency: N/A
Efficacy: 115.7 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: General Diffuse

Input Watts (W): 102.4
Input Voltage (V): NR
Input Current (A_{in}): 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: P934866
CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P934866

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-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	0
RCR																		
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11602	11602	11602	11602
5°	11689	11712	11689	9209
10°	11611	11537	11611	8248
15°	11485	11287	11485	9425
20°	11245	10991	11245	9445
25°	10753	10559	10753	9244
30°	10117	10200	10117	8805
35°	9020	9747	9020	8322
40°	7516	9213	7516	7957
45°	6715	8588	6715	7538
50°	7134	7842	7134	7116
55°	6712	7039	6712	6873
60°	6919	5979	6919	6295
65°	6273	4942	6273	5524
70°	4344	3939	4344	4631
75°	3809	2912	3809	3487
80°	3069	1925	3069	2096
85°	1765	1019	1765	866

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10292 cd/sqm



TEST NUMBER: P934866

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.7	1.9
10°-20°	640.9	5.4
20°-30°	990.7	8.4
30°-40°	1182.7	10.0
40°-50°	1189.7	10.0
50°-60°	1035.1	8.7
60°-70°	733.9	6.2
70°-80°	388.3	3.3
80°-90°	99.9	0.8
90°-100°	403.2	3.4
100°-110°	1059.9	8.9
110°-120°	1099.0	9.3
120°-130°	881.5	7.4
130°-140°	691.7	5.8
140°-150°	530.9	4.5
150°-160°	382.3	3.2
160°-170°	233.9	2.0
170°-180°	79.0	0.7
0°-30°	1857.4	15.7
0°-40°	3040.1	25.7
0°-60°	5264.9	44.4
0°-90°	6487.0	54.7
90°-120°	2562.1	21.6
90°-150°	4666.3	39.4
90°-180°	5362.0	45.3
0°-180°	11848.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2501	2501	2501	2501	2501	
5°	2512	2591	2512	2037	2512	238
15°	2399	2567	2399	2144	2399	675
25°	2113	2394	2113	2096	2113	970
35°	1606	2136	1606	1824	1606	994
45°	1036	1760	1036	1545	1036	830
55°	845	1299	845	1268	845	776
65°	587	783	587	875	587	561
75°	222	372	222	445	222	234
85°	38	95	38	80	38	51
90°	6	21	6	21	6	6
95°	53	244	53	244	53	59
105°	191	1660	191	1660	191	202
115°	339	2137	339	2137	339	335
125°	472	1702	472	1702	472	419
135°	562	1320	562	1320	562	435
145°	652	1071	652	1071	652	409
155°	737	922	737	922	737	339
165°	795	859	795	859	795	224
175°	827	833	827	833	827	79
180°	827	827	827	827	827	



TEST NUMBER: P934866

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7
2.5°	2522.0	2522.0	2536.2	2540.9	2540.9	2533.8	2526.7	2533.8	2555.1	2562.2	2559.9
5°	2512.5	2531.4	2557.5	2562.2	2566.9	2564.5	2559.9	2564.5	2588.3	2593.0	2595.3
7.5°	2493.6	2529.1	2562.2	2569.3	2576.4	2569.3	2566.9	2571.7	2595.3	2600.1	2600.1
10°	2469.9	2519.6	2557.5	2562.2	2569.3	2562.2	2562.2	2571.7	2595.3	2600.1	2602.4
12.5°	2436.8	2505.4	2540.9	2545.6	2555.1	2552.7	2550.4	2559.9	2583.5	2588.3	2588.3
15°	2399.0	2479.4	2512.5	2517.3	2533.8	2529.1	2529.1	2538.6	2564.5	2571.7	2569.3
17.5°	2346.9	2446.3	2484.1	2491.2	2503.0	2500.7	2503.0	2512.5	2536.2	2540.9	2543.3
20°	2287.8	2401.3	2446.3	2453.3	2465.2	2465.2	2465.2	2477.1	2500.7	2510.2	2510.2
22.5°	2207.3	2354.0	2401.3	2406.1	2420.2	2420.2	2425.0	2441.5	2462.8	2465.2	2465.2
25°	2112.7	2301.9	2342.1	2356.4	2370.6	2377.7	2384.8	2394.2	2401.3	2399.0	2401.3
27.5°	2013.3	2235.7	2287.8	2297.2	2316.2	2323.2	2332.7	2335.1	2337.5	2344.6	2339.8
30°	1902.1	2143.5	2221.5	2231.0	2261.7	2266.5	2257.0	2261.7	2273.6	2278.3	2283.0
32.5°	1776.7	2006.2	2153.0	2174.2	2202.6	2188.4	2186.0	2193.2	2212.0	2212.0	2216.8
35°	1606.4	1899.8	2089.0	2107.9	2129.2	2112.7	2122.2	2124.5	2136.4	2143.5	2141.0
37.5°	1419.5	1807.5	2022.8	2037.0	2053.6	2032.3	2046.4	2053.6	2063.0	2058.3	2058.3
40°	1253.9	1663.2	1944.7	1954.2	1968.3	1951.8	1966.0	1970.8	1975.5	1970.8	1968.3
42.5°	1130.9	1504.7	1861.9	1873.7	1864.3	1876.1	1880.9	1890.3	1883.2	1873.7	1873.7
45°	1036.2	1462.0	1772.0	1786.2	1772.0	1791.0	1798.1	1798.1	1776.7	1772.0	1769.7
47.5°	1005.5	1376.9	1682.1	1682.1	1675.0	1698.7	1710.5	1693.9	1672.6	1665.5	1665.5
50°	1003.1	1282.3	1559.1	1549.6	1582.7	1611.1	1599.3	1582.7	1566.2	1540.1	1540.1
52.5°	910.9	1166.3	1400.5	1436.1	1488.1	1504.7	1485.8	1469.2	1440.8	1429.0	1419.5
55°	844.6	1045.7	1256.3	1327.2	1381.6	1403.0	1367.4	1350.9	1308.3	1301.2	1296.5
57.5°	830.4	870.6	1123.8	1213.7	1279.9	1277.5	1256.3	1225.5	1190.0	1182.9	1180.6
60°	761.8	629.3	981.8	1088.3	1156.9	1149.8	1130.9	1102.5	1069.4	1064.6	1059.9
62.5°	690.8	456.6	820.9	941.6	1038.6	1036.2	1019.7	977.1	953.4	941.6	932.1
65°	586.7	383.3	584.4	783.1	922.7	927.4	891.9	861.2	835.1	820.9	818.6
67.5°	447.1	312.3	395.1	653.0	811.5	806.8	761.8	747.6	714.5	707.4	693.2
70°	331.2	208.2	274.4	529.9	702.6	690.8	655.4	638.8	608.0	591.4	582.0
72.5°	274.4	168.0	201.1	411.7	591.4	577.3	546.5	527.6	501.6	487.3	477.9
75°	222.4	177.5	153.8	305.2	480.2	470.8	442.4	423.5	402.2	383.3	385.6
77.5°	163.2	165.6	123.0	224.7	380.9	366.7	350.2	326.5	317.0	298.1	298.1
80°	123.0	130.1	92.3	153.8	274.4	274.4	260.3	243.7	227.1	217.7	217.7
82.5°	82.8	82.8	68.6	97.0	186.9	179.8	170.4	165.6	156.1	151.4	151.4
85°	37.9	47.3	42.6	59.2	101.7	106.5	106.5	101.7	99.4	94.6	97.0
87.5°	11.8	21.3	26.1	33.1	52.0	54.4	56.8	56.8	56.8	59.2	59.2
90°	5.6	10.0	14.5	15.6	24.4	36.3	42.2	37.5	28.1	21.1	21.1
92.5°	22.2	60.0	97.8	107.2	150.7	208.6	237.6	208.2	149.5	105.5	101.3
95°	53.3	122.4	191.4	208.7	370.6	586.4	694.4	619.6	470.1	358.0	345.3
97.5°	92.1	153.1	214.1	229.3	499.2	859.1	1039.1	991.8	897.4	826.6	802.4
100°	122.1	177.4	232.7	246.5	546.1	945.4	1145.1	1148.6	1155.5	1160.7	1131.9
102.5°	147.6	199.2	250.8	263.7	567.4	972.6	1175.1	1235.3	1355.7	1446.0	1421.3
105°	191.0	234.7	278.3	289.2	583.4	975.6	1171.8	1306.7	1576.6	1779.0	1765.7
107.5°	235.4	276.1	316.8	327.0	586.3	932.2	1105.2	1293.4	1669.8	1952.2	1955.5
110°	265.4	302.1	338.8	348.0	581.9	893.7	1049.7	1260.1	1680.9	1996.6	2010.4



TEST NUMBER: P934866

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	294.7	329.7	364.8	373.5	582.0	860.1	999.2	1214.6	1645.3	1968.3	1989.6
115°	339.1	371.5	403.8	411.8	587.4	821.5	938.6	1146.1	1561.1	1872.3	1901.7
117.5°	383.0	412.4	441.7	449.1	598.4	797.5	897.0	1084.2	1458.7	1739.6	1772.2
120°	408.5	436.1	463.8	470.7	607.2	789.3	880.4	1051.5	1393.6	1650.2	1681.9
122.5°	433.5	461.4	489.3	496.3	620.0	785.0	867.6	1021.6	1329.8	1560.9	1592.1
125°	471.8	497.3	522.6	529.0	637.2	781.5	853.7	984.6	1246.3	1442.6	1471.4
127.5°	502.9	528.6	554.2	560.6	654.5	779.5	842.0	954.4	1179.1	1347.7	1372.0
130°	519.5	547.1	574.8	581.7	667.0	780.8	837.7	937.7	1137.8	1287.8	1310.3
132.5°	536.7	564.4	592.1	599.0	677.2	781.5	833.7	923.2	1102.4	1236.7	1256.8
135°	562.3	587.4	612.7	618.9	688.3	780.8	827.1	902.1	1052.1	1164.5	1181.9
137.5°	588.4	613.3	638.2	644.4	705.0	785.6	825.9	889.3	1016.2	1111.3	1125.4
140°	610.1	633.0	655.9	661.6	715.1	786.4	822.1	876.9	986.4	1068.6	1081.8
142.5°	626.7	647.9	669.2	674.4	723.7	789.3	822.1	870.2	966.4	1038.6	1049.9
145°	652.2	670.8	689.2	693.9	734.8	789.3	816.5	855.9	934.6	993.6	1002.2
147.5°	677.8	695.7	713.8	718.3	751.1	794.7	816.5	847.5	909.4	955.8	963.0
150°	694.4	710.7	727.0	731.0	759.5	797.5	816.5	842.7	895.0	934.2	940.0
152.5°	711.6	723.9	736.3	739.3	765.0	799.3	816.5	838.8	883.5	917.0	921.4
155°	737.1	746.2	755.4	757.7	777.3	803.5	816.5	834.3	869.8	896.5	899.3
157.5°	756.0	764.9	773.7	776.0	789.5	807.5	816.5	830.3	858.0	878.7	880.7
160°	768.8	775.7	782.6	784.3	795.0	809.4	816.5	828.3	852.1	869.8	871.0
162.5°	781.5	786.7	791.9	793.2	801.0	811.3	816.5	826.6	846.5	861.5	862.5
165°	795.4	800.1	804.8	806.0	809.5	814.2	816.5	823.7	838.0	848.8	849.9
167.5°	808.2	810.4	812.7	813.2	816.2	820.1	822.1	826.7	836.1	843.2	843.7
170°	816.5	818.8	821.0	821.5	821.7	822.0	822.1	826.7	836.1	843.2	843.2
172.5°	821.0	821.4	822.0	822.1	822.1	822.1	822.1	825.7	833.2	838.7	838.3
175°	827.1	827.1	827.1	827.1	825.4	823.1	822.1	824.4	829.1	832.6	832.6
177.5°	827.1	827.1	827.1	827.1	825.7	824.0	823.1	825.0	828.7	831.5	831.0
180°	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1



TEST NUMBER: P934866

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7
2.5°	2564.5	2557.5	2564.5	2559.9	2562.2	2555.1	2533.8	2526.7	2533.8	2540.9	2540.9
5°	2595.3	2590.6	2595.3	2595.3	2593.0	2588.3	2564.5	2559.9	2564.5	2566.9	2562.2
7.5°	2604.8	2597.7	2604.8	2600.1	2600.1	2595.3	2571.7	2566.9	2569.3	2576.4	2569.3
10°	2604.8	2597.7	2604.8	2602.4	2600.1	2595.3	2571.7	2562.2	2562.2	2569.3	2562.2
12.5°	2593.0	2588.3	2593.0	2588.3	2588.3	2583.5	2559.9	2550.4	2552.7	2555.1	2545.6
15°	2574.0	2566.9	2574.0	2569.3	2571.7	2564.5	2538.6	2529.1	2529.1	2533.8	2517.3
17.5°	2545.6	2536.2	2545.6	2543.3	2540.9	2536.2	2512.5	2503.0	2500.7	2503.0	2491.2
20°	2512.5	2505.4	2512.5	2510.2	2510.2	2500.7	2477.1	2465.2	2465.2	2465.2	2453.3
22.5°	2460.5	2453.3	2460.5	2465.2	2465.2	2462.8	2441.5	2425.0	2420.2	2420.2	2406.1
25°	2401.3	2394.2	2401.3	2401.3	2399.0	2401.3	2394.2	2384.8	2377.7	2370.6	2356.4
27.5°	2344.6	2339.8	2344.6	2339.8	2344.6	2337.5	2335.1	2332.7	2323.2	2316.2	2297.2
30°	2287.8	2283.0	2287.8	2283.0	2278.3	2273.6	2261.7	2257.0	2266.5	2261.7	2231.0
32.5°	2216.8	2212.0	2216.8	2216.8	2212.0	2212.0	2193.2	2186.0	2188.4	2202.6	2174.2
35°	2143.5	2136.4	2143.5	2141.0	2143.5	2136.4	2124.5	2122.2	2112.7	2129.2	2107.9
37.5°	2058.3	2051.2	2058.3	2058.3	2058.3	2063.0	2053.6	2046.4	2032.3	2053.6	2037.0
40°	1970.8	1961.3	1970.8	1968.3	1970.8	1975.5	1970.8	1966.0	1951.8	1968.3	1954.2
42.5°	1871.4	1869.1	1871.4	1873.7	1873.7	1883.2	1890.3	1880.9	1876.1	1864.3	1873.7
45°	1764.9	1760.2	1764.9	1769.7	1772.0	1776.7	1798.1	1798.1	1791.0	1772.0	1786.2
47.5°	1651.3	1639.5	1651.3	1665.5	1665.5	1672.6	1693.9	1710.5	1698.7	1675.0	1682.1
50°	1530.7	1533.0	1530.7	1540.1	1540.1	1566.2	1582.7	1599.3	1611.1	1582.7	1549.6
52.5°	1412.4	1410.0	1412.4	1419.5	1429.0	1440.8	1469.2	1485.8	1504.7	1488.1	1436.1
55°	1294.1	1298.8	1294.1	1296.5	1301.2	1308.3	1350.9	1367.4	1403.0	1381.6	1327.2
57.5°	1175.8	1168.7	1175.8	1180.6	1182.9	1190.0	1225.5	1256.3	1277.5	1279.9	1213.7
60°	1038.6	1029.2	1038.6	1059.9	1064.6	1069.4	1102.5	1130.9	1149.8	1156.9	1088.3
62.5°	918.0	901.4	918.0	932.1	941.6	953.4	977.1	1019.7	1036.2	1038.6	941.6
65°	790.2	783.1	790.2	818.6	820.9	835.1	861.2	891.9	927.4	922.7	783.1
67.5°	674.3	674.3	674.3	693.2	707.4	714.5	747.6	761.8	806.8	811.5	653.0
70°	567.8	565.5	567.8	582.0	591.4	608.0	638.8	655.4	690.8	702.6	529.9
72.5°	466.1	463.7	466.1	477.9	487.3	501.6	527.6	546.5	577.3	591.4	411.7
75°	376.2	371.5	376.2	385.6	383.3	402.2	423.5	442.4	470.8	480.2	305.2
77.5°	288.6	288.6	288.6	298.1	298.1	317.0	326.5	350.2	366.7	380.9	224.7
80°	215.3	212.9	215.3	217.7	217.7	227.1	243.7	260.3	274.4	274.4	153.8
82.5°	151.4	146.7	151.4	151.4	151.4	156.1	165.6	170.4	179.8	186.9	97.0
85°	94.6	94.6	94.6	97.0	94.6	99.4	101.7	106.5	106.5	101.7	59.2
87.5°	61.5	59.2	61.5	59.2	59.2	56.8	56.8	56.8	54.4	52.0	33.1
90°	21.1	21.1	21.1	21.1	21.1	28.1	37.5	42.2	36.3	24.4	15.6
92.5°	84.5	67.7	84.5	101.3	105.5	149.5	208.2	237.6	208.6	150.7	107.2
95°	294.6	243.7	294.6	345.3	358.0	470.1	619.6	694.4	586.4	370.6	208.7
97.5°	705.6	608.9	705.6	802.4	826.6	897.4	991.8	1039.1	859.1	499.2	229.3
100°	1016.7	901.5	1016.7	1131.9	1160.7	1155.5	1148.6	1145.1	945.4	546.1	246.5
102.5°	1322.6	1224.0	1322.6	1421.3	1446.0	1355.7	1235.3	1175.1	972.6	567.4	263.7
105°	1712.6	1659.6	1712.6	1765.7	1779.0	1576.6	1306.7	1171.8	975.6	583.4	289.2
107.5°	1968.3	1981.1	1968.3	1955.5	1952.2	1669.8	1293.4	1105.2	932.2	586.3	327.0
110°	2065.8	2121.0	2065.8	2010.4	1996.6	1680.9	1260.1	1049.7	893.7	581.9	348.0



TEST NUMBER: P934866

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2074.3	2159.2	2074.3	1989.6	1968.3	1645.3	1214.6	999.2	860.1	582.0	373.5
115°	2019.4	2137.0	2019.4	1901.7	1872.3	1561.1	1146.1	938.6	821.5	587.4	411.8
117.5°	1902.7	2033.3	1902.7	1772.2	1739.6	1458.7	1084.2	897.0	797.5	598.4	449.1
120°	1808.8	1935.6	1808.8	1681.9	1650.2	1393.6	1051.5	880.4	789.3	607.2	470.7
122.5°	1717.2	1842.3	1717.2	1592.1	1560.9	1329.8	1021.6	867.6	785.0	620.0	496.3
125°	1586.7	1701.9	1586.7	1471.4	1442.6	1246.3	984.6	853.7	781.5	637.2	529.0
127.5°	1469.2	1566.4	1469.2	1372.0	1347.7	1179.1	954.4	842.0	779.5	654.5	560.6
130°	1400.0	1489.8	1400.0	1310.3	1287.8	1137.8	937.7	837.7	780.8	667.0	581.7
132.5°	1337.2	1417.6	1337.2	1256.8	1236.7	1102.4	923.2	833.7	781.5	677.2	599.0
135°	1251.2	1320.5	1251.2	1181.9	1164.5	1052.1	902.1	827.1	780.8	688.3	618.9
137.5°	1182.2	1238.9	1182.2	1125.4	1111.3	1016.2	889.3	825.9	785.6	705.0	644.4
140°	1134.9	1187.9	1134.9	1081.8	1068.6	986.4	876.9	822.1	786.4	715.1	661.6
142.5°	1095.6	1141.3	1095.6	1049.9	1038.6	966.4	870.2	822.1	789.3	723.7	674.4
145°	1036.8	1071.3	1036.8	1002.2	993.6	934.6	855.9	816.5	789.3	734.8	693.9
147.5°	991.6	1020.2	991.6	963.0	955.8	909.4	847.5	816.5	794.7	751.1	718.3
150°	963.2	986.4	963.2	940.0	934.2	895.0	842.7	816.5	797.5	759.5	731.0
152.5°	938.8	956.4	938.8	921.4	917.0	883.5	838.8	816.5	799.3	765.0	739.3
155°	911.0	922.5	911.0	899.3	896.5	869.8	834.3	816.5	803.5	777.3	757.7
157.5°	888.9	897.0	888.9	880.7	878.7	858.0	830.3	816.5	807.5	789.5	776.0
160°	875.7	880.4	875.7	871.0	869.8	852.1	828.3	816.5	809.4	795.0	784.3
162.5°	867.0	871.5	867.0	862.5	861.5	846.5	826.6	816.5	811.3	801.0	793.2
165°	854.6	859.2	854.6	849.9	848.8	838.0	823.7	816.5	814.2	809.5	806.0
167.5°	845.6	847.6	845.6	843.7	843.2	836.1	826.7	822.1	820.1	816.2	813.2
170°	843.2	843.2	843.2	843.2	843.2	836.1	826.7	822.1	822.0	821.7	821.5
172.5°	836.6	834.9	836.6	838.3	838.7	833.2	825.7	822.1	822.1	822.1	822.1
175°	832.6	832.6	832.6	832.6	832.6	829.1	824.4	822.1	823.1	825.4	827.1
177.5°	829.1	827.1	829.1	831.0	831.5	828.7	825.0	823.1	824.0	825.7	827.1
180°	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1



TEST NUMBER: P934866

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7
2.5°	2536.2	2522.0	2522.0	2498.4	2488.9	2481.8	2469.9	2434.4	2425.0	2415.6	2429.7
5°	2557.5	2531.4	2512.5	2469.9	2434.4	2420.2	2375.3	2290.1	2233.4	2190.7	2167.1
7.5°	2562.2	2529.1	2493.6	2427.4	2342.1	2304.4	2167.1	2011.0	1968.3	1930.6	1906.8
10°	2557.5	2519.6	2469.9	2370.6	2169.4	2103.3	1966.0	1864.3	1838.3	1831.2	1838.3
12.5°	2540.9	2505.4	2436.8	2271.2	1989.7	1944.7	1864.3	1805.1	1800.4	1812.2	1876.1
15°	2512.5	2479.4	2399.0	2138.7	1890.3	1857.1	1800.4	1779.1	1805.1	1887.9	2079.5
17.5°	2484.1	2446.3	2346.9	2008.6	1814.6	1791.0	1750.7	1793.3	1940.0	2051.2	2115.1
20°	2446.3	2401.3	2287.8	1914.0	1760.2	1738.9	1720.0	1911.6	2022.8	2063.0	2098.5
22.5°	2401.3	2354.0	2207.3	1847.7	1703.4	1686.9	1698.7	1977.8	2022.8	2051.2	2082.0
25°	2342.1	2301.9	2112.7	1795.6	1658.5	1639.5	1684.4	1970.8	1996.7	2003.9	2065.4
27.5°	2287.8	2235.7	2013.3	1748.4	1604.0	1597.0	1696.3	1940.0	1958.9	1966.0	2032.3
30°	2221.5	2143.5	1902.1	1698.7	1547.3	1544.9	1698.7	1902.1	1897.4	1916.3	1982.6
32.5°	2153.0	2006.2	1776.7	1637.2	1492.8	1490.5	1682.1	1845.3	1840.6	1866.6	1916.3
35°	2089.0	1899.8	1606.4	1566.2	1424.3	1426.6	1641.9	1779.1	1781.5	1805.1	1835.9
37.5°	2022.8	1807.5	1419.5	1488.1	1358.0	1358.0	1587.5	1717.6	1712.9	1720.0	1762.5
40°	1944.7	1663.2	1253.9	1386.4	1296.5	1289.3	1521.2	1651.3	1634.8	1632.4	1691.6
42.5°	1861.9	1504.7	1130.9	1251.6	1225.5	1216.0	1440.8	1570.9	1540.1	1547.3	1622.9
45°	1772.0	1462.0	1036.2	1057.5	1152.2	1145.1	1353.3	1478.6	1457.4	1476.3	1554.4
47.5°	1682.1	1376.9	1005.5	877.8	1074.1	1071.7	1256.3	1388.7	1376.9	1395.9	1478.6
50°	1559.1	1282.3	1003.1	752.3	986.5	996.0	1140.4	1301.2	1301.2	1317.8	1405.3
52.5°	1400.5	1166.3	910.9	681.3	884.8	913.2	1038.6	1225.5	1230.2	1246.8	1324.9
55°	1256.3	1045.7	844.6	627.0	764.1	825.7	939.3	1147.4	1156.9	1173.5	1244.4
57.5°	1123.8	870.6	830.4	563.1	653.0	712.1	851.7	1071.7	1076.4	1090.7	1159.2
60°	981.8	629.3	761.8	494.5	556.0	600.9	771.2	981.8	998.4	1007.9	1067.0
62.5°	820.9	456.6	690.8	447.1	508.6	518.1	705.1	896.7	918.0	925.0	960.5
65°	584.4	383.3	586.7	406.9	458.9	461.4	634.1	809.1	828.1	839.9	865.9
67.5°	395.1	312.3	447.1	369.0	421.2	423.5	565.5	707.4	733.4	742.8	759.4
70°	274.4	208.2	331.2	328.8	378.5	383.3	492.1	615.1	638.8	645.9	655.4
72.5°	201.1	168.0	274.4	295.7	333.6	338.3	416.4	511.0	534.7	541.8	546.5
75°	153.8	177.5	222.4	257.8	283.9	286.2	340.7	416.4	433.0	437.7	440.0
77.5°	123.0	165.6	163.2	208.2	231.9	227.1	267.3	321.8	335.9	335.9	335.9
80°	92.3	130.1	123.0	149.1	170.4	165.6	191.6	229.5	234.2	239.0	236.5
82.5°	68.6	82.8	82.8	94.6	113.5	108.9	127.8	149.1	149.1	149.1	153.8
85°	42.6	47.3	37.9	49.7	63.8	61.5	71.0	80.4	82.8	82.8	78.1
87.5°	26.1	21.3	11.8	18.9	28.4	28.4	33.1	35.5	33.1	33.1	33.1
90°	14.5	10.0	5.6	10.0	14.5	15.6	24.4	36.3	42.2	37.5	28.1
92.5°	97.8	60.0	22.2	60.0	97.8	107.2	150.7	208.6	237.6	208.2	149.5
95°	191.4	122.4	53.3	122.4	191.4	208.7	370.6	586.4	694.4	619.6	470.1
97.5°	214.1	153.1	92.1	153.1	214.1	229.3	499.2	859.1	1039.1	991.8	897.4
100°	232.7	177.4	122.1	177.4	232.7	246.5	546.1	945.4	1145.1	1148.6	1155.5
102.5°	250.8	199.2	147.6	199.2	250.8	263.7	567.4	972.6	1175.1	1235.3	1355.7
105°	278.3	234.7	191.0	234.7	278.3	289.2	583.4	975.6	1171.8	1306.7	1576.6
107.5°	316.8	276.1	235.4	276.1	316.8	327.0	586.3	932.2	1105.2	1293.4	1669.8
110°	338.8	302.1	265.4	302.1	338.8	348.0	581.9	893.7	1049.7	1260.1	1680.9



TEST NUMBER: P934866

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	364.8	329.7	294.7	329.7	364.8	373.5	582.0	860.1	999.2	1214.6	1645.3
115°	403.8	371.5	339.1	371.5	403.8	411.8	587.4	821.5	938.6	1146.1	1561.1
117.5°	441.7	412.4	383.0	412.4	441.7	449.1	598.4	797.5	897.0	1084.2	1458.7
120°	463.8	436.1	408.5	436.1	463.8	470.7	607.2	789.3	880.4	1051.5	1393.6
122.5°	489.3	461.4	433.5	461.4	489.3	496.3	620.0	785.0	867.6	1021.6	1329.8
125°	522.6	497.3	471.8	497.3	522.6	529.0	637.2	781.5	853.7	984.6	1246.3
127.5°	554.2	528.6	502.9	528.6	554.2	560.6	654.5	779.5	842.0	954.4	1179.1
130°	574.8	547.1	519.5	547.1	574.8	581.7	667.0	780.8	837.7	937.7	1137.8
132.5°	592.1	564.4	536.7	564.4	592.1	599.0	677.2	781.5	833.7	923.2	1102.4
135°	612.7	587.4	562.3	587.4	612.7	618.9	688.3	780.8	827.1	902.1	1052.1
137.5°	638.2	613.3	588.4	613.3	638.2	644.4	705.0	785.6	825.9	889.3	1016.2
140°	655.9	633.0	610.1	633.0	655.9	661.6	715.1	786.4	822.1	876.9	986.4
142.5°	669.2	647.9	626.7	647.9	669.2	674.4	723.7	789.3	822.1	870.2	966.4
145°	689.2	670.8	652.2	670.8	689.2	693.9	734.8	789.3	816.5	855.9	934.6
147.5°	713.8	695.7	677.8	695.7	713.8	718.3	751.1	794.7	816.5	847.5	909.4
150°	727.0	710.7	694.4	710.7	727.0	731.0	759.5	797.5	816.5	842.7	895.0
152.5°	736.3	723.9	711.6	723.9	736.3	739.3	765.0	799.3	816.5	838.8	883.5
155°	755.4	746.2	737.1	746.2	755.4	757.7	777.3	803.5	816.5	834.3	869.8
157.5°	773.7	764.9	756.0	764.9	773.7	776.0	789.5	807.5	816.5	830.3	858.0
160°	782.6	775.7	768.8	775.7	782.6	784.3	795.0	809.4	816.5	828.3	852.1
162.5°	791.9	786.7	781.5	786.7	791.9	793.2	801.0	811.3	816.5	826.6	846.5
165°	804.8	800.1	795.4	800.1	804.8	806.0	809.5	814.2	816.5	823.7	838.0
167.5°	812.7	810.4	808.2	810.4	812.7	813.2	816.2	820.1	822.1	826.7	836.1
170°	821.0	818.8	816.5	818.8	821.0	821.5	821.7	822.0	822.1	826.7	836.1
172.5°	822.0	821.4	821.0	821.4	822.0	822.1	822.1	822.1	822.1	825.7	833.2
175°	827.1	827.1	827.1	827.1	827.1	827.1	825.4	823.1	822.1	824.4	829.1
177.5°	827.1	827.1	827.1	827.1	827.1	827.1	825.7	824.0	823.1	825.0	828.7
180°	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1



TEST NUMBER: P934866

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7	2500.7
2.5°	2413.1	2406.1	2415.6	2389.5	2415.6	2406.1	2413.1	2429.7	2415.6	2425.0	2434.4
5°	2117.4	2105.6	2067.7	2037.0	2067.7	2105.6	2117.4	2167.1	2190.7	2233.4	2290.1
7.5°	1892.7	1883.2	1873.7	1854.8	1873.7	1883.2	1892.7	1906.8	1930.6	1968.3	2011.0
10°	1843.0	1845.3	1859.6	1857.1	1859.6	1845.3	1843.0	1838.3	1831.2	1838.3	1864.3
12.5°	1970.8	1992.1	2070.1	2065.4	2070.1	1992.1	1970.8	1876.1	1812.2	1800.4	1805.1
15°	2117.4	2124.5	2141.0	2143.5	2141.0	2124.5	2117.4	2079.5	1887.9	1805.1	1779.1
17.5°	2131.6	2134.0	2145.8	2145.8	2145.8	2134.0	2131.6	2115.1	2051.2	1940.0	1793.3
20°	2119.8	2124.5	2148.2	2153.0	2148.2	2124.5	2119.8	2098.5	2063.0	2022.8	1911.6
22.5°	2115.1	2124.5	2143.5	2141.0	2143.5	2124.5	2115.1	2082.0	2051.2	2022.8	1977.8
25°	2091.4	2091.4	2093.8	2096.1	2093.8	2091.4	2091.4	2065.4	2003.9	1996.7	1970.8
27.5°	2041.8	2046.4	2060.7	2058.3	2060.7	2046.4	2041.8	2032.3	1966.0	1958.9	1940.0
30°	1996.7	1992.1	1980.2	1970.8	1980.2	1992.1	1996.7	1982.6	1916.3	1897.4	1902.1
32.5°	1921.1	1909.3	1897.4	1890.3	1897.4	1909.3	1921.1	1916.3	1866.6	1840.6	1845.3
35°	1831.2	1833.5	1831.2	1824.0	1831.2	1833.5	1831.2	1835.9	1805.1	1781.5	1779.1
37.5°	1767.3	1772.0	1769.7	1760.2	1769.7	1772.0	1767.3	1762.5	1720.0	1712.9	1717.6
40°	1701.0	1703.4	1701.0	1693.9	1701.0	1703.4	1701.0	1691.6	1632.4	1634.8	1651.3
42.5°	1637.2	1634.8	1627.7	1622.9	1627.7	1634.8	1637.2	1622.9	1547.3	1540.1	1570.9
45°	1563.8	1566.2	1552.0	1544.9	1552.0	1566.2	1563.8	1554.4	1476.3	1457.4	1478.6
47.5°	1490.5	1490.5	1478.6	1471.5	1478.6	1490.5	1490.5	1478.6	1395.9	1376.9	1388.7
50°	1412.4	1410.0	1393.5	1391.1	1393.5	1410.0	1412.4	1405.3	1317.8	1301.2	1301.2
52.5°	1322.5	1322.5	1324.9	1329.6	1324.9	1322.5	1322.5	1324.9	1246.8	1230.2	1225.5
55°	1244.4	1246.8	1263.4	1268.1	1263.4	1246.8	1244.4	1244.4	1173.5	1156.9	1147.4
57.5°	1164.0	1164.0	1175.8	1175.8	1175.8	1164.0	1164.0	1159.2	1090.7	1076.4	1071.7
60°	1071.7	1076.4	1085.9	1083.6	1085.9	1076.4	1071.7	1067.0	1007.9	998.4	981.8
62.5°	974.7	979.5	981.8	977.1	981.8	979.5	974.7	960.5	925.0	918.0	896.7
65°	873.0	877.8	880.1	875.3	880.1	877.8	873.0	865.9	839.9	828.1	809.1
67.5°	768.9	766.6	764.1	773.6	764.1	766.6	768.9	759.4	742.8	733.4	707.4
70°	662.4	662.4	660.0	664.8	660.0	662.4	662.4	655.4	645.9	638.8	615.1
72.5°	548.9	546.5	556.0	548.9	556.0	546.5	548.9	546.5	541.8	534.7	511.0
75°	437.7	442.4	437.7	444.8	437.7	442.4	437.7	440.0	437.7	433.0	416.4
77.5°	333.6	338.3	333.6	333.6	333.6	338.3	333.6	335.9	335.9	335.9	321.8
80°	236.5	234.2	234.2	231.9	234.2	234.2	236.5	236.5	239.0	234.2	229.5
82.5°	151.4	149.1	149.1	153.8	149.1	149.1	151.4	153.8	149.1	149.1	149.1
85°	82.8	85.1	80.4	80.4	80.4	85.1	82.8	78.1	82.8	82.8	80.4
87.5°	30.8	28.4	28.4	28.4	28.4	28.4	30.8	33.1	33.1	33.1	35.5
90°	21.1	21.1	21.1	21.1	21.1	21.1	21.1	28.1	37.5	42.2	36.3
92.5°	105.5	101.3	84.5	67.7	84.5	101.3	105.5	149.5	208.2	237.6	208.6
95°	358.0	345.3	294.6	243.7	294.6	345.3	358.0	470.1	619.6	694.4	586.4
97.5°	826.6	802.4	705.6	608.9	705.6	802.4	826.6	897.4	991.8	1039.1	859.1
100°	1160.7	1131.9	1016.7	901.5	1016.7	1131.9	1160.7	1155.5	1148.6	1145.1	945.4
102.5°	1446.0	1421.3	1322.6	1224.0	1322.6	1421.3	1446.0	1355.7	1235.3	1175.1	972.6
105°	1779.0	1765.7	1712.6	1659.6	1712.6	1765.7	1779.0	1576.6	1306.7	1171.8	975.6
107.5°	1952.2	1955.5	1968.3	1981.1	1968.3	1955.5	1952.2	1669.8	1293.4	1105.2	932.2
110°	1996.6	2010.4	2065.8	2121.0	2065.8	2010.4	1996.6	1680.9	1260.1	1049.7	893.7



TEST NUMBER: P934866

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1968.3	1989.6	2074.3	2159.2	2074.3	1989.6	1968.3	1645.3	1214.6	999.2	860.1
115°	1872.3	1901.7	2019.4	2137.0	2019.4	1901.7	1872.3	1561.1	1146.1	938.6	821.5
117.5°	1739.6	1772.2	1902.7	2033.3	1902.7	1772.2	1739.6	1458.7	1084.2	897.0	797.5
120°	1650.2	1681.9	1808.8	1935.6	1808.8	1681.9	1650.2	1393.6	1051.5	880.4	789.3
122.5°	1560.9	1592.1	1717.2	1842.3	1717.2	1592.1	1560.9	1329.8	1021.6	867.6	785.0
125°	1442.6	1471.4	1586.7	1701.9	1586.7	1471.4	1442.6	1246.3	984.6	853.7	781.5
127.5°	1347.7	1372.0	1469.2	1566.4	1469.2	1372.0	1347.7	1179.1	954.4	842.0	779.5
130°	1287.8	1310.3	1400.0	1489.8	1400.0	1310.3	1287.8	1137.8	937.7	837.7	780.8
132.5°	1236.7	1256.8	1337.2	1417.6	1337.2	1256.8	1236.7	1102.4	923.2	833.7	781.5
135°	1164.5	1181.9	1251.2	1320.5	1251.2	1181.9	1164.5	1052.1	902.1	827.1	780.8
137.5°	1111.3	1125.4	1182.2	1238.9	1182.2	1125.4	1111.3	1016.2	889.3	825.9	785.6
140°	1068.6	1081.8	1134.9	1187.9	1134.9	1081.8	1068.6	986.4	876.9	822.1	786.4
142.5°	1038.6	1049.9	1095.6	1141.3	1095.6	1049.9	1038.6	966.4	870.2	822.1	789.3
145°	993.6	1002.2	1036.8	1071.3	1036.8	1002.2	993.6	934.6	855.9	816.5	789.3
147.5°	955.8	963.0	991.6	1020.2	991.6	963.0	955.8	909.4	847.5	816.5	794.7
150°	934.2	940.0	963.2	986.4	963.2	940.0	934.2	895.0	842.7	816.5	797.5
152.5°	917.0	921.4	938.8	956.4	938.8	921.4	917.0	883.5	838.8	816.5	799.3
155°	896.5	899.3	911.0	922.5	911.0	899.3	896.5	869.8	834.3	816.5	803.5
157.5°	878.7	880.7	888.9	897.0	888.9	880.7	878.7	858.0	830.3	816.5	807.5
160°	869.8	871.0	875.7	880.4	875.7	871.0	869.8	852.1	828.3	816.5	809.4
162.5°	861.5	862.5	867.0	871.5	867.0	862.5	861.5	846.5	826.6	816.5	811.3
165°	848.8	849.9	854.6	859.2	854.6	849.9	848.8	838.0	823.7	816.5	814.2
167.5°	843.2	843.7	845.6	847.6	845.6	843.7	843.2	836.1	826.7	822.1	820.1
170°	843.2	843.2	843.2	843.2	843.2	843.2	843.2	836.1	826.7	822.1	822.0
172.5°	838.7	838.3	836.6	834.9	836.6	838.3	838.7	833.2	825.7	822.1	822.1
175°	832.6	832.6	832.6	832.6	832.6	832.6	832.6	829.1	824.4	822.1	823.1
177.5°	831.5	831.0	829.1	827.1	829.1	831.0	831.5	828.7	825.0	823.1	824.0
180°	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1



TEST NUMBER: P934866

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2500.7	2500.7	2500.7	2500.7	2500.7
2.5°	2469.9	2481.8	2488.9	2498.4	2522.0
5°	2375.3	2420.2	2434.4	2469.9	2512.5
7.5°	2167.1	2304.4	2342.1	2427.4	2493.6
10°	1966.0	2103.3	2169.4	2370.6	2469.9
12.5°	1864.3	1944.7	1989.7	2271.2	2436.8
15°	1800.4	1857.1	1890.3	2138.7	2399.0
17.5°	1750.7	1791.0	1814.6	2008.6	2346.9
20°	1720.0	1738.9	1760.2	1914.0	2287.8
22.5°	1698.7	1686.9	1703.4	1847.7	2207.3
25°	1684.4	1639.5	1658.5	1795.6	2112.7
27.5°	1696.3	1597.0	1604.0	1748.4	2013.3
30°	1698.7	1544.9	1547.3	1698.7	1902.1
32.5°	1682.1	1490.5	1492.8	1637.2	1776.7
35°	1641.9	1426.6	1424.3	1566.2	1606.4
37.5°	1587.5	1358.0	1358.0	1488.1	1419.5
40°	1521.2	1289.3	1296.5	1386.4	1253.9
42.5°	1440.8	1216.0	1225.5	1251.6	1130.9
45°	1353.3	1145.1	1152.2	1057.5	1036.2
47.5°	1256.3	1071.7	1074.1	877.8	1005.5
50°	1140.4	996.0	986.5	752.3	1003.1
52.5°	1038.6	913.2	884.8	681.3	910.9
55°	939.3	825.7	764.1	627.0	844.6
57.5°	851.7	712.1	653.0	563.1	830.4
60°	771.2	600.9	556.0	494.5	761.8
62.5°	705.1	518.1	508.6	447.1	690.8
65°	634.1	461.4	458.9	406.9	586.7
67.5°	565.5	423.5	421.2	369.0	447.1
70°	492.1	383.3	378.5	328.8	331.2
72.5°	416.4	338.3	333.6	295.7	274.4
75°	340.7	286.2	283.9	257.8	222.4
77.5°	267.3	227.1	231.9	208.2	163.2
80°	191.6	165.6	170.4	149.1	123.0
82.5°	127.8	108.9	113.5	94.6	82.8
85°	71.0	61.5	63.8	49.7	37.9
87.5°	33.1	28.4	28.4	18.9	11.8
90°	24.4	15.6	14.5	10.0	5.6
92.5°	150.7	107.2	97.8	60.0	22.2
95°	370.6	208.7	191.4	122.4	53.3
97.5°	499.2	229.3	214.1	153.1	92.1
100°	546.1	246.5	232.7	177.4	122.1
102.5°	567.4	263.7	250.8	199.2	147.6
105°	583.4	289.2	278.3	234.7	191.0
107.5°	586.3	327.0	316.8	276.1	235.4
110°	581.9	348.0	338.8	302.1	265.4



TEST NUMBER: P934866

CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	582.0	373.5	364.8	329.7	294.7
115°	587.4	411.8	403.8	371.5	339.1
117.5°	598.4	449.1	441.7	412.4	383.0
120°	607.2	470.7	463.8	436.1	408.5
122.5°	620.0	496.3	489.3	461.4	433.5
125°	637.2	529.0	522.6	497.3	471.8
127.5°	654.5	560.6	554.2	528.6	502.9
130°	667.0	581.7	574.8	547.1	519.5
132.5°	677.2	599.0	592.1	564.4	536.7
135°	688.3	618.9	612.7	587.4	562.3
137.5°	705.0	644.4	638.2	613.3	588.4
140°	715.1	661.6	655.9	633.0	610.1
142.5°	723.7	674.4	669.2	647.9	626.7
145°	734.8	693.9	689.2	670.8	652.2
147.5°	751.1	718.3	713.8	695.7	677.8
150°	759.5	731.0	727.0	710.7	694.4
152.5°	765.0	739.3	736.3	723.9	711.6
155°	777.3	757.7	755.4	746.2	737.1
157.5°	789.5	776.0	773.7	764.9	756.0
160°	795.0	784.3	782.6	775.7	768.8
162.5°	801.0	793.2	791.9	786.7	781.5
165°	809.5	806.0	804.8	800.1	795.4
167.5°	816.2	813.2	812.7	810.4	808.2
170°	821.7	821.5	821.0	818.8	816.5
172.5°	822.1	822.1	822.0	821.4	821.0
175°	825.4	827.1	827.1	827.1	827.1
177.5°	825.7	827.1	827.1	827.1	827.1
180°	827.1	827.1	827.1	827.1	827.1



TEST NUMBER: P934866
 CATALOG NUMBER: SQ4-FA-075U-100D-93050-1D-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	13.75	14.66	14.67	15.59	16.79	16.59	17.49	17.50	18.43	19.63
	3H	14.23	15.04	15.16	15.99	17.21	17.94	18.75	18.87	19.70	20.92
	4H	14.43	15.19	15.37	16.14	17.38	18.39	19.16	19.33	20.10	21.34
	6H	14.55	15.25	15.50	16.21	17.46	18.68	19.39	19.63	20.34	21.59
	8H	14.55	15.22	15.51	16.19	17.44	18.75	19.43	19.72	20.40	21.65
	12H	14.52	15.16	15.49	16.13	17.40	18.80	19.44	19.76	20.40	21.67
4H	2H	14.79	15.56	15.74	16.51	17.74	17.00	17.77	17.95	18.72	19.95
	3H	15.82	16.46	16.78	17.44	18.69	18.52	19.16	19.47	20.13	21.38
	4H	16.10	16.68	17.07	17.66	18.93	19.05	19.63	20.02	20.60	21.88
	6H	16.23	16.73	17.21	17.73	19.00	19.42	19.92	20.40	20.92	22.19
	8H	16.24	16.70	17.22	17.69	18.98	19.53	20.00	20.51	20.99	22.27
	12H	16.20	16.63	17.21	17.63	18.93	19.59	20.01	20.59	21.02	22.31
8H	4H	16.56	17.03	17.54	18.02	19.31	19.18	19.65	20.16	20.63	21.92
	6H	16.82	17.21	17.83	18.24	19.53	19.62	20.00	20.62	21.04	22.32
	8H	16.87	17.21	17.88	18.23	19.53	19.77	20.11	20.79	21.13	22.43
	12H	16.85	17.15	17.87	18.17	19.51	19.87	20.17	20.89	21.19	22.53
12H	4H	16.57	16.99	17.57	18.00	19.29	19.14	19.57	20.14	20.57	21.86
	6H	16.88	17.23	17.90	18.25	19.55	19.61	19.96	20.63	20.98	22.28
	8H	16.95	17.25	17.97	18.27	19.62	19.78	20.08	20.80	21.09	22.44