

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: P934946

Luminaire Tested: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

**Test Information**

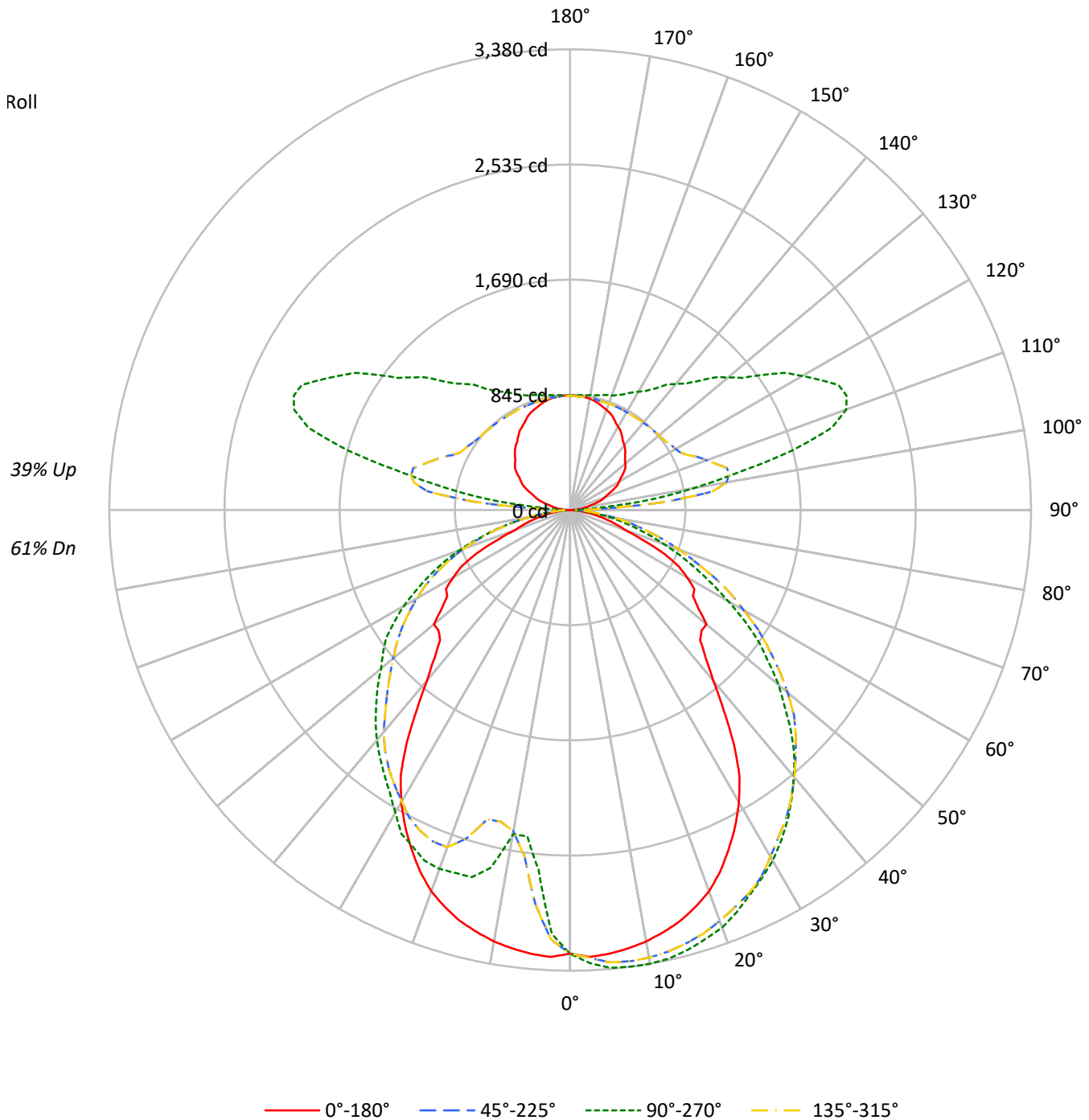
Test Method: LM-79-2019  
Report Number: P934946  
REPORT IS A COMBINATION OF REPORTS P933720 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13887.4 lumens  
Efficiency: N/A  
Efficacy: 112.0 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): 124  
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: P934946  
CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P934946

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-4000K

**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
RCR																				
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	66	66	61
1	100	96	92	88	94	90	86	83	79	76	74	68	66	65	59	57	56	56	56	51
2	91	84	78	72	85	79	73	68	69	65	61	60	57	54	52	49	47	47	47	43
3	83	74	66	60	78	69	63	57	61	56	51	53	49	46	46	43	40	40	40	36
4	76	65	57	51	71	61	54	49	54	48	44	47	43	39	41	37	35	35	35	31
5	70	58	50	44	65	55	47	42	48	42	38	42	38	34	37	33	30	30	30	27
6	65	52	44	38	60	49	42	36	44	37	33	38	33	30	33	29	26	26	26	24
7	60	47	39	33	56	45	37	32	39	33	29	35	30	26	30	26	23	23	23	21
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21	21	21	19
9	52	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19	19	19	17
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17	17	17	15

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

	0°	90°	180°	270°
0°	15097	15097	15097	15097
5°	15210	15240	15210	11983
10°	15108	15012	15108	10733
15°	14944	14686	14944	12264
20°	14632	14301	14632	12289
25°	13992	13739	13992	12029
30°	13165	13273	13165	11457
35°	11737	12683	11737	10829
40°	9779	11988	9779	10354
45°	8738	11175	8738	9808
50°	9283	10205	9283	9260
55°	8734	9160	8734	8943
60°	9003	7780	9003	8191
65°	8163	6431	8163	7188
70°	5653	5125	5653	6026
75°	4957	3788	4957	4536
80°	3994	2505	3994	2727
85°	2292	1327	2292	1128

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13392 cd/sqm



TEST NUMBER: P934946

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-4000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	293.7	2.1
10°-20°	834.0	6.0
20°-30°	1289.2	9.3
30°-40°	1539.0	11.1
40°-50°	1548.0	11.1
50°-60°	1346.9	9.7
60°-70°	955.0	6.9
70°-80°	505.3	3.6
80°-90°	129.0	0.9
90°-100°	409.6	2.9
100°-110°	1076.9	7.8
110°-120°	1116.6	8.0
120°-130°	895.6	6.4
130°-140°	702.8	5.1
140°-150°	539.4	3.9
150°-160°	388.5	2.8
160°-170°	237.7	1.7
170°-180°	80.3	0.6
0°-30°	2416.9	17.4
0°-40°	3955.8	28.5
0°-60°	6850.8	49.3
0°-90°	8440.1	60.8
90°-120°	2603.1	18.7
90°-150°	4740.9	34.1
90°-180°	5447.0	39.2
0°-180°	13887.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3254	3254	3254	3254	3254	
5°	3269	3371	3269	2651	3269	310
15°	3122	3340	3122	2789	3122	878
25°	2749	3115	2749	2728	2749	1262
35°	2090	2780	2090	2374	2090	1293
45°	1348	2290	1348	2010	1348	1080
55°	1099	1690	1099	1650	1099	1010
65°	764	1019	764	1139	764	730
75°	289	483	289	579	289	304
85°	49	123	49	105	49	66
90°	6	22	6	22	6	7
95°	54	248	54	248	54	60
105°	194	1686	194	1686	194	206
115°	345	2171	345	2171	345	340
125°	479	1729	479	1729	479	426
135°	571	1342	571	1342	571	442
145°	663	1088	663	1088	663	415
155°	749	937	749	937	749	344
165°	808	873	808	873	808	228
175°	840	846	840	846	840	80
180°	840	840	840	840	840	



TEST NUMBER: P934946

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3281.6	3281.6	3300.1	3306.3	3306.3	3297.1	3287.8	3297.1	3324.7	3334.0	3330.9
5°	3269.3	3294.0	3327.8	3334.0	3340.1	3337.1	3330.9	3337.1	3367.8	3374.0	3377.1
7.5°	3244.7	3290.9	3334.0	3343.2	3352.5	3343.2	3340.1	3346.3	3377.1	3383.2	3383.2
10°	3213.9	3278.6	3327.8	3334.0	3343.2	3334.0	3334.0	3346.3	3377.1	3383.2	3386.3
12.5°	3170.8	3260.0	3306.3	3312.4	3324.7	3321.6	3318.6	3330.9	3361.7	3367.8	3367.8
15°	3121.6	3226.2	3269.3	3275.5	3297.1	3290.9	3290.9	3303.2	3337.1	3346.3	3343.2
17.5°	3053.8	3183.1	3232.4	3241.6	3257.0	3254.0	3257.0	3269.3	3300.1	3306.3	3309.4
20°	2976.9	3124.6	3183.1	3192.4	3207.7	3207.7	3207.7	3223.1	3254.0	3266.2	3266.2
22.5°	2872.2	3063.1	3124.6	3130.8	3149.3	3149.3	3155.4	3177.0	3204.7	3207.7	3207.7
25°	2749.1	2995.3	3047.6	3066.1	3084.6	3093.9	3103.1	3115.4	3124.6	3121.6	3124.6
27.5°	2619.8	2909.1	2976.9	2989.2	3013.8	3023.1	3035.4	3038.5	3041.6	3050.7	3044.6
30°	2475.1	2789.1	2890.6	2903.0	2943.0	2949.1	2936.9	2943.0	2958.4	2964.6	2970.7
32.5°	2311.9	2610.6	2801.4	2829.2	2866.1	2847.6	2844.5	2853.7	2878.4	2878.4	2884.5
35°	2090.3	2472.0	2718.3	2742.9	2770.6	2749.1	2761.4	2764.5	2779.9	2789.1	2786.0
37.5°	1847.1	2352.0	2632.1	2650.6	2672.1	2644.4	2662.9	2672.1	2684.4	2678.2	2678.2
40°	1631.6	2164.1	2530.5	2542.8	2561.3	2539.7	2558.2	2564.4	2570.5	2564.4	2561.3
42.5°	1471.5	1957.9	2422.7	2438.1	2425.8	2441.2	2447.4	2459.7	2450.5	2438.1	2438.1
45°	1348.4	1902.5	2305.7	2324.2	2305.7	2330.4	2339.7	2339.7	2311.9	2305.7	2302.7
47.5°	1308.3	1791.6	2188.8	2188.8	2179.6	2210.3	2225.7	2204.1	2176.5	2167.2	2167.2
50°	1305.2	1668.5	2028.7	2016.4	2059.5	2096.4	2081.1	2059.5	2038.0	2004.1	2004.1
52.5°	1185.2	1517.6	1822.5	1868.7	1936.3	1957.9	1933.3	1911.7	1874.8	1859.4	1847.1
55°	1099.0	1360.7	1634.7	1727.0	1797.8	1825.6	1779.3	1757.8	1702.4	1693.2	1687.0
57.5°	1080.6	1132.9	1462.2	1579.2	1665.5	1662.4	1634.7	1594.7	1548.5	1539.2	1536.2
60°	991.2	818.9	1277.6	1416.1	1505.4	1496.2	1471.5	1434.6	1391.5	1385.3	1379.2
62.5°	898.9	594.2	1068.2	1225.2	1351.4	1348.4	1326.8	1271.4	1240.7	1225.2	1212.9
65°	763.5	498.8	760.4	1019.0	1200.6	1206.7	1160.6	1120.6	1086.7	1068.2	1065.2
67.5°	581.8	406.3	514.1	849.7	1055.9	1049.7	991.2	972.8	929.7	920.5	902.0
70°	431.0	270.9	357.1	689.6	914.3	898.9	852.7	831.2	791.2	769.6	757.3
72.5°	357.1	218.6	261.7	535.7	769.6	751.2	711.2	686.5	652.7	634.2	621.8
75°	289.4	230.9	200.1	397.1	624.9	612.6	575.7	551.1	523.3	498.8	501.8
77.5°	212.4	215.5	160.1	292.4	495.7	477.2	455.6	424.8	412.5	387.9	387.9
80°	160.1	169.3	120.1	200.1	357.1	357.1	338.7	317.1	295.5	283.3	283.3
82.5°	107.7	107.7	89.2	126.3	243.2	234.0	221.7	215.5	203.2	197.0	197.0
85°	49.2	61.6	55.4	77.0	132.4	138.5	138.5	132.4	129.3	123.2	126.3
87.5°	15.4	27.7	33.8	43.1	67.8	70.8	73.9	73.9	73.9	77.0	77.0
90°	5.6	10.2	14.7	15.8	24.8	36.8	42.8	38.1	28.6	21.5	21.5
92.5°	22.6	60.9	99.3	108.9	153.1	211.9	241.4	211.6	151.9	107.2	102.9
95°	54.1	124.3	194.5	212.0	376.5	595.8	705.5	629.6	477.7	363.8	350.8
97.5°	93.6	155.5	217.5	233.0	507.2	872.9	1055.7	1007.7	911.7	839.8	815.2
100°	124.1	180.2	236.4	250.4	554.8	960.6	1163.4	1167.0	1174.0	1179.3	1150.0
102.5°	150.0	202.4	254.8	267.9	576.5	988.1	1193.9	1255.0	1377.4	1469.2	1444.0
105°	194.0	238.4	282.7	293.8	592.7	991.2	1190.5	1327.6	1601.8	1807.4	1794.0
107.5°	239.1	280.5	321.8	332.2	595.7	947.1	1122.9	1314.1	1696.6	1983.5	1986.7
110°	269.6	306.9	344.2	353.6	591.2	908.0	1066.5	1280.2	1707.8	2028.6	2042.6



TEST NUMBER: P934946

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	299.5	335.0	370.6	379.5	591.4	873.9	1015.2	1234.0	1671.6	1999.8	2021.4
115°	344.6	377.4	410.2	418.4	596.8	834.7	953.7	1164.4	1586.0	1902.2	1932.2
117.5°	389.1	419.0	448.8	456.3	608.0	810.2	911.4	1101.6	1482.1	1767.4	1800.5
120°	415.1	443.1	471.2	478.2	616.9	801.9	894.4	1068.3	1415.9	1676.6	1708.8
122.5°	440.4	468.8	497.1	504.2	629.9	797.6	881.4	1038.0	1351.1	1585.9	1617.6
125°	479.4	505.2	531.0	537.4	647.4	794.0	867.3	1000.3	1266.2	1465.7	1495.0
127.5°	510.9	537.0	563.1	569.6	664.9	792.0	855.5	969.7	1198.0	1369.3	1393.9
130°	527.9	555.9	584.0	591.0	677.7	793.3	851.1	952.7	1156.0	1308.4	1331.3
132.5°	545.3	573.4	601.5	608.5	688.0	794.0	847.1	938.0	1120.0	1256.5	1276.9
135°	571.3	596.8	622.5	628.8	699.3	793.3	840.3	916.6	1068.9	1183.2	1200.8
137.5°	597.8	623.1	648.4	654.8	716.2	798.2	839.1	903.5	1032.4	1129.0	1143.4
140°	619.8	643.1	666.4	672.2	726.5	799.0	835.2	890.9	1002.1	1085.7	1099.1
142.5°	636.7	658.3	679.9	685.2	735.3	801.9	835.2	884.1	981.9	1055.2	1066.7
145°	662.7	681.5	700.2	705.0	746.5	801.9	829.6	869.6	949.6	1009.5	1018.2
147.5°	688.6	706.9	725.3	729.8	763.1	807.4	829.6	861.1	923.9	971.1	978.4
150°	705.5	722.1	738.6	742.7	771.6	810.3	829.6	856.2	909.3	949.1	955.0
152.5°	723.0	735.5	748.1	751.2	777.3	812.1	829.6	852.2	897.6	931.7	936.1
155°	748.9	758.2	767.5	769.8	789.7	816.3	829.6	847.6	883.7	910.8	913.7
157.5°	768.1	777.1	786.1	788.4	802.1	820.4	829.6	843.6	871.7	892.7	894.8
160°	781.1	788.1	795.1	796.8	807.8	822.3	829.6	841.6	865.7	883.7	884.9
162.5°	794.0	799.3	804.6	805.9	813.9	824.3	829.6	839.8	860.1	875.3	876.3
165°	808.1	812.9	817.7	818.9	822.4	827.2	829.6	836.9	851.4	862.3	863.5
167.5°	821.1	823.4	825.7	826.2	829.2	833.2	835.2	840.0	849.5	856.7	857.2
170°	829.6	831.9	834.1	834.7	834.9	835.1	835.2	840.0	849.5	856.7	856.7
172.5°	834.1	834.6	835.1	835.2	835.2	835.2	835.2	839.0	846.5	852.1	851.7
175°	840.3	840.3	840.3	840.3	838.6	836.3	835.2	837.6	842.4	846.0	846.0
177.5°	840.3	840.3	840.3	840.3	839.0	837.2	836.3	838.2	842.0	844.8	844.3
180°	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3



TEST NUMBER: P934946

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3337.1	3327.8	3337.1	3330.9	3334.0	3324.7	3297.1	3287.8	3297.1	3306.3	3306.3
5°	3377.1	3370.9	3377.1	3377.1	3374.0	3367.8	3337.1	3330.9	3337.1	3340.1	3334.0
7.5°	3389.4	3380.1	3389.4	3383.2	3383.2	3377.1	3346.3	3340.1	3343.2	3352.5	3343.2
10°	3389.4	3380.1	3389.4	3386.3	3383.2	3377.1	3346.3	3334.0	3334.0	3343.2	3334.0
12.5°	3374.0	3367.8	3374.0	3367.8	3367.8	3361.7	3330.9	3318.6	3321.6	3324.7	3312.4
15°	3349.4	3340.1	3349.4	3343.2	3346.3	3337.1	3303.2	3290.9	3290.9	3297.1	3275.5
17.5°	3312.4	3300.1	3312.4	3309.4	3306.3	3300.1	3269.3	3257.0	3254.0	3257.0	3241.6
20°	3269.3	3260.0	3269.3	3266.2	3266.2	3254.0	3223.1	3207.7	3207.7	3207.7	3192.4
22.5°	3201.6	3192.4	3201.6	3207.7	3207.7	3204.7	3177.0	3155.4	3149.3	3149.3	3130.8
25°	3124.6	3115.4	3124.6	3124.6	3121.6	3124.6	3115.4	3103.1	3093.9	3084.6	3066.1
27.5°	3050.7	3044.6	3050.7	3044.6	3050.7	3041.6	3038.5	3035.4	3023.1	3013.8	2989.2
30°	2976.9	2970.7	2976.9	2970.7	2964.6	2958.4	2943.0	2936.9	2949.1	2943.0	2903.0
32.5°	2884.5	2878.4	2884.5	2884.5	2878.4	2878.4	2853.7	2844.5	2847.6	2866.1	2829.2
35°	2789.1	2779.9	2789.1	2786.0	2789.1	2779.9	2764.5	2761.4	2749.1	2770.6	2742.9
37.5°	2678.2	2669.1	2678.2	2678.2	2678.2	2684.4	2672.1	2662.9	2644.4	2672.1	2650.6
40°	2564.4	2552.1	2564.4	2561.3	2564.4	2570.5	2564.4	2558.2	2539.7	2561.3	2542.8
42.5°	2435.1	2432.0	2435.1	2438.1	2438.1	2450.5	2459.7	2447.4	2441.2	2425.8	2438.1
45°	2296.6	2290.4	2296.6	2302.7	2305.7	2311.9	2339.7	2339.7	2330.4	2305.7	2324.2
47.5°	2148.7	2133.4	2148.7	2167.2	2167.2	2176.5	2204.1	2225.7	2210.3	2179.6	2188.8
50°	1991.7	1994.8	1991.7	2004.1	2004.1	2038.0	2059.5	2081.1	2096.4	2059.5	2016.4
52.5°	1837.8	1834.7	1837.8	1847.1	1859.4	1874.8	1911.7	1933.3	1957.9	1936.3	1868.7
55°	1683.9	1690.1	1683.9	1687.0	1693.2	1702.4	1757.8	1779.3	1825.6	1797.8	1727.0
57.5°	1530.0	1520.7	1530.0	1536.2	1539.2	1548.5	1594.7	1634.7	1662.4	1665.5	1579.2
60°	1351.4	1339.2	1351.4	1379.2	1385.3	1391.5	1434.6	1471.5	1496.2	1505.4	1416.1
62.5°	1194.4	1172.9	1194.4	1212.9	1225.2	1240.7	1271.4	1326.8	1348.4	1351.4	1225.2
65°	1028.2	1019.0	1028.2	1065.2	1068.2	1086.7	1120.6	1160.6	1206.7	1200.6	1019.0
67.5°	877.3	877.3	877.3	902.0	920.5	929.7	972.8	991.2	1049.7	1055.9	849.7
70°	738.8	735.7	738.8	757.3	769.6	791.2	831.2	852.7	898.9	914.3	689.6
72.5°	606.5	603.4	606.5	621.8	634.2	652.7	686.5	711.2	751.2	769.6	535.7
75°	489.5	483.3	489.5	501.8	498.8	523.3	551.1	575.7	612.6	624.9	397.1
77.5°	375.6	375.6	375.6	387.9	387.9	412.5	424.8	455.6	477.2	495.7	292.4
80°	280.2	277.1	280.2	283.3	283.3	295.5	317.1	338.7	357.1	357.1	200.1
82.5°	197.0	190.8	197.0	197.0	197.0	203.2	215.5	221.7	234.0	243.2	126.3
85°	123.2	123.2	123.2	126.3	123.2	129.3	132.4	138.5	138.5	132.4	77.0
87.5°	80.0	77.0	80.0	77.0	77.0	73.9	73.9	73.9	70.8	67.8	43.1
90°	21.5	21.5	21.5	21.5	21.5	28.6	38.1	42.8	36.8	24.8	15.8
92.5°	85.9	68.8	85.9	102.9	107.2	151.9	211.6	241.4	211.9	153.1	108.9
95°	299.3	247.6	299.3	350.8	363.8	477.7	629.6	705.5	595.8	376.5	212.0
97.5°	716.9	618.6	716.9	815.2	839.8	911.7	1007.7	1055.7	872.9	507.2	233.0
100°	1033.0	915.9	1033.0	1150.0	1179.3	1174.0	1167.0	1163.4	960.6	554.8	250.4
102.5°	1343.8	1243.6	1343.8	1444.0	1469.2	1377.4	1255.0	1193.9	988.1	576.5	267.9
105°	1740.0	1686.2	1740.0	1794.0	1807.4	1601.8	1327.6	1190.5	991.2	592.7	293.8
107.5°	1999.7	2012.8	1999.7	1986.7	1983.5	1696.6	1314.1	1122.9	947.1	595.7	332.2
110°	2098.8	2154.9	2098.8	2042.6	2028.6	1707.8	1280.2	1066.5	908.0	591.2	353.6





TEST NUMBER: P934946

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2107.5	2193.8	2107.5	2021.4	1999.8	1671.6	1234.0	1015.2	873.9	591.4	379.5
115°	2051.7	2171.2	2051.7	1932.2	1902.2	1586.0	1164.4	953.7	834.7	596.8	418.4
117.5°	1933.2	2065.8	1933.2	1800.5	1767.4	1482.1	1101.6	911.4	810.2	608.0	456.3
120°	1837.7	1966.5	1837.7	1708.8	1676.6	1415.9	1068.3	894.4	801.9	616.9	478.2
122.5°	1744.7	1871.8	1744.7	1617.6	1585.9	1351.1	1038.0	881.4	797.6	629.9	504.2
125°	1612.1	1729.1	1612.1	1495.0	1465.7	1266.2	1000.3	867.3	794.0	647.4	537.4
127.5°	1492.7	1591.5	1492.7	1393.9	1369.3	1198.0	969.7	855.5	792.0	664.9	569.6
130°	1422.4	1513.6	1422.4	1331.3	1308.4	1156.0	952.7	851.1	793.3	677.7	591.0
132.5°	1358.6	1440.3	1358.6	1276.9	1256.5	1120.0	938.0	847.1	794.0	688.0	608.5
135°	1271.2	1341.6	1271.2	1200.8	1183.2	1068.9	916.6	840.3	793.3	699.3	628.8
137.5°	1201.1	1258.8	1201.1	1143.4	1129.0	1032.4	903.5	839.1	798.2	716.2	654.8
140°	1153.1	1206.9	1153.1	1099.1	1085.7	1002.1	890.9	835.2	799.0	726.5	672.2
142.5°	1113.1	1159.5	1113.1	1066.7	1055.2	981.9	884.1	835.2	801.9	735.3	685.2
145°	1053.4	1088.5	1053.4	1018.2	1009.5	949.6	869.6	829.6	801.9	746.5	705.0
147.5°	1007.4	1036.5	1007.4	978.4	971.1	923.9	861.1	829.6	807.4	763.1	729.8
150°	978.6	1002.1	978.6	955.0	949.1	909.3	856.2	829.6	810.3	771.6	742.7
152.5°	953.8	971.7	953.8	936.1	931.7	897.6	852.2	829.6	812.1	777.3	751.2
155°	925.6	937.3	925.6	913.7	910.8	883.7	847.6	829.6	816.3	789.7	769.8
157.5°	903.1	911.4	903.1	894.8	892.7	871.7	843.6	829.6	820.4	802.1	788.4
160°	889.7	894.4	889.7	884.9	883.7	865.7	841.6	829.6	822.3	807.8	796.8
162.5°	880.9	885.4	880.9	876.3	875.3	860.1	839.8	829.6	824.3	813.9	805.9
165°	868.2	873.0	868.2	863.5	862.3	851.4	836.9	829.6	827.2	822.4	818.9
167.5°	859.2	861.2	859.2	857.2	856.7	849.5	840.0	835.2	833.2	829.2	826.2
170°	856.7	856.7	856.7	856.7	856.7	849.5	840.0	835.2	835.1	834.9	834.7
172.5°	850.0	848.2	850.0	851.7	852.1	846.5	839.0	835.2	835.2	835.2	835.2
175°	846.0	846.0	846.0	846.0	846.0	842.4	837.6	835.2	836.3	838.6	840.3
177.5°	842.3	840.3	842.3	844.3	844.8	842.0	838.2	836.3	837.2	839.0	840.3
180°	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3



TEST NUMBER: P934946

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3300.1	3281.6	3281.6	3250.9	3238.6	3229.3	3213.9	3167.7	3155.4	3143.1	3161.6
5°	3327.8	3294.0	3269.3	3213.9	3167.7	3149.3	3090.8	2980.0	2906.1	2850.6	2819.9
7.5°	3334.0	3290.9	3244.7	3158.5	3047.6	2998.4	2819.9	2616.7	2561.3	2512.1	2481.2
10°	3327.8	3278.6	3213.9	3084.6	2823.0	2736.7	2558.2	2425.8	2392.0	2382.7	2392.0
12.5°	3306.3	3260.0	3170.8	2955.3	2589.0	2530.5	2425.8	2348.9	2342.7	2358.1	2441.2
15°	3269.3	3226.2	3121.6	2782.9	2459.7	2416.6	2342.7	2315.0	2348.9	2456.7	2706.0
17.5°	3232.4	3183.1	3053.8	2613.7	2361.1	2330.4	2278.1	2333.5	2524.3	2669.1	2752.1
20°	3183.1	3124.6	2976.9	2490.5	2290.4	2262.6	2238.1	2487.4	2632.1	2684.4	2730.6
22.5°	3124.6	3063.1	2872.2	2404.3	2216.5	2195.0	2210.3	2573.6	2632.1	2669.1	2709.1
25°	3047.6	2995.3	2749.1	2336.6	2158.0	2133.4	2191.9	2564.4	2598.2	2607.5	2687.5
27.5°	2976.9	2909.1	2619.8	2275.0	2087.2	2078.0	2207.2	2524.3	2549.0	2558.2	2644.4
30°	2890.6	2789.1	2475.1	2210.3	2013.3	2010.2	2210.3	2475.1	2468.9	2493.6	2579.7
32.5°	2801.4	2610.6	2311.9	2130.3	1942.5	1939.4	2188.8	2401.2	2395.1	2428.9	2493.6
35°	2718.3	2472.0	2090.3	2038.0	1853.2	1856.3	2136.5	2315.0	2318.1	2348.9	2388.9
37.5°	2632.1	2352.0	1847.1	1936.3	1767.1	1767.1	2065.6	2235.0	2228.8	2238.1	2293.5
40°	2530.5	2164.1	1631.6	1804.0	1687.0	1677.7	1979.5	2148.7	2127.2	2124.2	2201.1
42.5°	2422.7	1957.9	1471.5	1628.5	1594.7	1582.3	1874.8	2044.1	2004.1	2013.3	2111.8
45°	2305.7	1902.5	1348.4	1376.1	1499.2	1490.0	1760.9	1924.1	1896.3	1921.0	2022.6
47.5°	2188.8	1791.6	1308.3	1142.1	1397.7	1394.6	1634.7	1807.1	1791.6	1816.3	1924.1
50°	2028.7	1668.5	1305.2	979.0	1283.7	1296.1	1483.8	1693.2	1693.2	1714.7	1828.6
52.5°	1822.5	1517.6	1185.2	886.6	1151.3	1188.3	1351.4	1594.7	1600.8	1622.3	1723.9
55°	1634.7	1360.7	1099.0	815.8	994.3	1074.4	1222.2	1493.1	1505.4	1526.9	1619.2
57.5°	1462.2	1132.9	1080.6	732.7	849.7	926.6	1108.2	1394.6	1400.7	1419.2	1508.5
60°	1277.6	818.9	991.2	643.4	723.4	781.9	1003.6	1277.6	1299.1	1311.4	1388.4
62.5°	1068.2	594.2	898.9	581.8	661.9	674.2	917.4	1166.7	1194.4	1203.7	1249.8
65°	760.4	498.8	763.5	529.5	597.2	600.3	825.0	1052.8	1077.5	1092.8	1126.7
67.5°	514.1	406.3	581.8	480.2	548.0	551.1	735.7	920.5	954.3	966.7	988.2
70°	357.1	270.9	431.0	427.9	492.6	498.8	640.3	800.4	831.2	840.4	852.7
72.5°	261.7	218.6	357.1	384.8	434.1	440.3	541.8	664.9	695.7	705.0	711.2
75°	200.1	230.9	289.4	335.6	369.4	372.5	443.3	541.8	563.3	569.5	572.6
77.5°	160.1	215.5	212.4	270.9	301.7	295.5	347.8	418.7	437.2	437.2	437.2
80°	120.1	169.3	160.1	193.9	221.7	215.5	249.3	298.6	304.7	310.9	307.8
82.5°	89.2	107.7	107.7	123.2	147.7	141.6	166.3	193.9	193.9	193.9	200.1
85°	55.4	61.6	49.2	64.7	83.1	80.0	92.3	104.7	107.7	107.7	101.6
87.5°	33.8	27.7	15.4	24.7	36.9	36.9	43.1	46.2	43.1	43.1	43.1
90°	14.7	10.2	5.6	10.2	14.7	15.8	24.8	36.8	42.8	38.1	28.6
92.5°	99.3	60.9	22.6	60.9	99.3	108.9	153.1	211.9	241.4	211.6	151.9
95°	194.5	124.3	54.1	124.3	194.5	212.0	376.5	595.8	705.5	629.6	477.7
97.5°	217.5	155.5	93.6	155.5	217.5	233.0	507.2	872.9	1055.7	1007.7	911.7
100°	236.4	180.2	124.1	180.2	236.4	250.4	554.8	960.6	1163.4	1167.0	1174.0
102.5°	254.8	202.4	150.0	202.4	254.8	267.9	576.5	988.1	1193.9	1255.0	1377.4
105°	282.7	238.4	194.0	238.4	282.7	293.8	592.7	991.2	1190.5	1327.6	1601.8
107.5°	321.8	280.5	239.1	280.5	321.8	332.2	595.7	947.1	1122.9	1314.1	1696.6
110°	344.2	306.9	269.6	306.9	344.2	353.6	591.2	908.0	1066.5	1280.2	1707.8



TEST NUMBER: P934946

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	370.6	335.0	299.5	335.0	370.6	379.5	591.4	873.9	1015.2	1234.0	1671.6
115°	410.2	377.4	344.6	377.4	410.2	418.4	596.8	834.7	953.7	1164.4	1586.0
117.5°	448.8	419.0	389.1	419.0	448.8	456.3	608.0	810.2	911.4	1101.6	1482.1
120°	471.2	443.1	415.1	443.1	471.2	478.2	616.9	801.9	894.4	1068.3	1415.9
122.5°	497.1	468.8	440.4	468.8	497.1	504.2	629.9	797.6	881.4	1038.0	1351.1
125°	531.0	505.2	479.4	505.2	531.0	537.4	647.4	794.0	867.3	1000.3	1266.2
127.5°	563.1	537.0	510.9	537.0	563.1	569.6	664.9	792.0	855.5	969.7	1198.0
130°	584.0	555.9	527.9	555.9	584.0	591.0	677.7	793.3	851.1	952.7	1156.0
132.5°	601.5	573.4	545.3	573.4	601.5	608.5	688.0	794.0	847.1	938.0	1120.0
135°	622.5	596.8	571.3	596.8	622.5	628.8	699.3	793.3	840.3	916.6	1068.9
137.5°	648.4	623.1	597.8	623.1	648.4	654.8	716.2	798.2	839.1	903.5	1032.4
140°	666.4	643.1	619.8	643.1	666.4	672.2	726.5	799.0	835.2	890.9	1002.1
142.5°	679.9	658.3	636.7	658.3	679.9	685.2	735.3	801.9	835.2	884.1	981.9
145°	700.2	681.5	662.7	681.5	700.2	705.0	746.5	801.9	829.6	869.6	949.6
147.5°	725.3	706.9	688.6	706.9	725.3	729.8	763.1	807.4	829.6	861.1	923.9
150°	738.6	722.1	705.5	722.1	738.6	742.7	771.6	810.3	829.6	856.2	909.3
152.5°	748.1	735.5	723.0	735.5	748.1	751.2	777.3	812.1	829.6	852.2	897.6
155°	767.5	758.2	748.9	758.2	767.5	769.8	789.7	816.3	829.6	847.6	883.7
157.5°	786.1	777.1	768.1	777.1	786.1	788.4	802.1	820.4	829.6	843.6	871.7
160°	795.1	788.1	781.1	788.1	795.1	796.8	807.8	822.3	829.6	841.6	865.7
162.5°	804.6	799.3	794.0	799.3	804.6	805.9	813.9	824.3	829.6	839.8	860.1
165°	817.7	812.9	808.1	812.9	817.7	818.9	822.4	827.2	829.6	836.9	851.4
167.5°	825.7	823.4	821.1	823.4	825.7	826.2	829.2	833.2	835.2	840.0	849.5
170°	834.1	831.9	829.6	831.9	834.1	834.7	834.9	835.1	835.2	840.0	849.5
172.5°	835.1	834.6	834.1	834.6	835.1	835.2	835.2	835.2	835.2	839.0	846.5
175°	840.3	840.3	840.3	840.3	840.3	840.3	838.6	836.3	835.2	837.6	842.4
177.5°	840.3	840.3	840.3	840.3	840.3	840.3	839.0	837.2	836.3	838.2	842.0
180°	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3



TEST NUMBER: P934946

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3140.1	3130.8	3143.1	3109.2	3143.1	3130.8	3140.1	3161.6	3143.1	3155.4	3167.7
5°	2755.2	2739.8	2690.6	2650.6	2690.6	2739.8	2755.2	2819.9	2850.6	2906.1	2980.0
7.5°	2462.8	2450.5	2438.1	2413.5	2438.1	2450.5	2462.8	2481.2	2512.1	2561.3	2616.7
10°	2398.2	2401.2	2419.6	2416.6	2419.6	2401.2	2398.2	2392.0	2382.7	2392.0	2425.8
12.5°	2564.4	2592.1	2693.6	2687.5	2693.6	2592.1	2564.4	2441.2	2358.1	2342.7	2348.9
15°	2755.2	2764.5	2786.0	2789.1	2786.0	2764.5	2755.2	2706.0	2456.7	2348.9	2315.0
17.5°	2773.7	2776.8	2792.1	2792.1	2792.1	2776.8	2773.7	2752.1	2669.1	2524.3	2333.5
20°	2758.3	2764.5	2795.2	2801.4	2795.2	2764.5	2758.3	2730.6	2684.4	2632.1	2487.4
22.5°	2752.1	2764.5	2789.1	2786.0	2789.1	2764.5	2752.1	2709.1	2669.1	2632.1	2573.6
25°	2721.4	2721.4	2724.5	2727.5	2724.5	2721.4	2721.4	2687.5	2607.5	2598.2	2564.4
27.5°	2656.7	2662.9	2681.3	2678.2	2681.3	2662.9	2656.7	2644.4	2558.2	2549.0	2524.3
30°	2598.2	2592.1	2576.6	2564.4	2576.6	2592.1	2598.2	2579.7	2493.6	2468.9	2475.1
32.5°	2499.7	2484.3	2468.9	2459.7	2468.9	2484.3	2499.7	2493.6	2428.9	2395.1	2401.2
35°	2382.7	2385.8	2382.7	2373.5	2382.7	2385.8	2382.7	2388.9	2348.9	2318.1	2315.0
37.5°	2299.7	2305.7	2302.7	2290.4	2302.7	2305.7	2299.7	2293.5	2238.1	2228.8	2235.0
40°	2213.4	2216.5	2213.4	2204.1	2213.4	2216.5	2213.4	2201.1	2124.2	2127.2	2148.7
42.5°	2130.3	2127.2	2118.0	2111.8	2118.0	2127.2	2130.3	2111.8	2013.3	2004.1	2044.1
45°	2034.9	2038.0	2019.5	2010.2	2019.5	2038.0	2034.9	2022.6	1921.0	1896.3	1924.1
47.5°	1939.4	1939.4	1924.1	1914.8	1924.1	1939.4	1939.4	1924.1	1816.3	1791.6	1807.1
50°	1837.8	1834.7	1813.2	1810.2	1813.2	1834.7	1837.8	1828.6	1714.7	1693.2	1693.2
52.5°	1720.9	1720.9	1723.9	1730.1	1723.9	1720.9	1720.9	1723.9	1622.3	1600.8	1594.7
55°	1619.2	1622.3	1643.9	1650.1	1643.9	1622.3	1619.2	1619.2	1526.9	1505.4	1493.1
57.5°	1514.6	1514.6	1530.0	1530.0	1530.0	1514.6	1514.6	1508.5	1419.2	1400.7	1394.6
60°	1394.6	1400.7	1413.0	1409.9	1413.0	1400.7	1394.6	1388.4	1311.4	1299.1	1277.6
62.5°	1268.3	1274.5	1277.6	1271.4	1277.6	1274.5	1268.3	1249.8	1203.7	1194.4	1166.7
65°	1136.0	1142.1	1145.2	1139.0	1145.2	1142.1	1136.0	1126.7	1092.8	1077.5	1052.8
67.5°	1000.5	997.4	994.3	1006.7	994.3	997.4	1000.5	988.2	966.7	954.3	920.5
70°	862.0	862.0	858.9	865.1	858.9	862.0	862.0	852.7	840.4	831.2	800.4
72.5°	714.2	711.2	723.4	714.2	723.4	711.2	714.2	711.2	705.0	695.7	664.9
75°	569.5	575.7	569.5	578.7	569.5	575.7	569.5	572.6	569.5	563.3	541.8
77.5°	434.1	440.3	434.1	434.1	434.1	440.3	434.1	437.2	437.2	437.2	418.7
80°	307.8	304.7	304.7	301.7	304.7	304.7	307.8	307.8	310.9	304.7	298.6
82.5°	197.0	193.9	193.9	200.1	193.9	193.9	197.0	200.1	193.9	193.9	193.9
85°	107.7	110.8	104.7	104.7	104.7	110.8	107.7	101.6	107.7	107.7	104.7
87.5°	40.0	36.9	36.9	36.9	36.9	36.9	40.0	43.1	43.1	43.1	46.2
90°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	28.6	38.1	42.8	36.8
92.5°	107.2	102.9	85.9	68.8	85.9	102.9	107.2	151.9	211.6	241.4	211.9
95°	363.8	350.8	299.3	247.6	299.3	350.8	363.8	477.7	629.6	705.5	595.8
97.5°	839.8	815.2	716.9	618.6	716.9	815.2	839.8	911.7	1007.7	1055.7	872.9
100°	1179.3	1150.0	1033.0	915.9	1033.0	1150.0	1179.3	1174.0	1167.0	1163.4	960.6
102.5°	1469.2	1444.0	1343.8	1243.6	1343.8	1444.0	1469.2	1377.4	1255.0	1193.9	988.1
105°	1807.4	1794.0	1740.0	1686.2	1740.0	1794.0	1807.4	1601.8	1327.6	1190.5	991.2
107.5°	1983.5	1986.7	1999.7	2012.8	1999.7	1986.7	1983.5	1696.6	1314.1	1122.9	947.1
110°	2028.6	2042.6	2098.8	2154.9	2098.8	2042.6	2028.6	1707.8	1280.2	1066.5	908.0



TEST NUMBER: P934946

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1999.8	2021.4	2107.5	2193.8	2107.5	2021.4	1999.8	1671.6	1234.0	1015.2	873.9
115°	1902.2	1932.2	2051.7	2171.2	2051.7	1932.2	1902.2	1586.0	1164.4	953.7	834.7
117.5°	1767.4	1800.5	1933.2	2065.8	1933.2	1800.5	1767.4	1482.1	1101.6	911.4	810.2
120°	1676.6	1708.8	1837.7	1966.5	1837.7	1708.8	1676.6	1415.9	1068.3	894.4	801.9
122.5°	1585.9	1617.6	1744.7	1871.8	1744.7	1617.6	1585.9	1351.1	1038.0	881.4	797.6
125°	1465.7	1495.0	1612.1	1729.1	1612.1	1495.0	1465.7	1266.2	1000.3	867.3	794.0
127.5°	1369.3	1393.9	1492.7	1591.5	1492.7	1393.9	1369.3	1198.0	969.7	855.5	792.0
130°	1308.4	1331.3	1422.4	1513.6	1422.4	1331.3	1308.4	1156.0	952.7	851.1	793.3
132.5°	1256.5	1276.9	1358.6	1440.3	1358.6	1276.9	1256.5	1120.0	938.0	847.1	794.0
135°	1183.2	1200.8	1271.2	1341.6	1271.2	1200.8	1183.2	1068.9	916.6	840.3	793.3
137.5°	1129.0	1143.4	1201.1	1258.8	1201.1	1143.4	1129.0	1032.4	903.5	839.1	798.2
140°	1085.7	1099.1	1153.1	1206.9	1153.1	1099.1	1085.7	1002.1	890.9	835.2	799.0
142.5°	1055.2	1066.7	1113.1	1159.5	1113.1	1066.7	1055.2	981.9	884.1	835.2	801.9
145°	1009.5	1018.2	1053.4	1088.5	1053.4	1018.2	1009.5	949.6	869.6	829.6	801.9
147.5°	971.1	978.4	1007.4	1036.5	1007.4	978.4	971.1	923.9	861.1	829.6	807.4
150°	949.1	955.0	978.6	1002.1	978.6	955.0	949.1	909.3	856.2	829.6	810.3
152.5°	931.7	936.1	953.8	971.7	953.8	936.1	931.7	897.6	852.2	829.6	812.1
155°	910.8	913.7	925.6	937.3	925.6	913.7	910.8	883.7	847.6	829.6	816.3
157.5°	892.7	894.8	903.1	911.4	903.1	894.8	892.7	871.7	843.6	829.6	820.4
160°	883.7	884.9	889.7	894.4	889.7	884.9	883.7	865.7	841.6	829.6	822.3
162.5°	875.3	876.3	880.9	885.4	880.9	876.3	875.3	860.1	839.8	829.6	824.3
165°	862.3	863.5	868.2	873.0	868.2	863.5	862.3	851.4	836.9	829.6	827.2
167.5°	856.7	857.2	859.2	861.2	859.2	857.2	856.7	849.5	840.0	835.2	833.2
170°	856.7	856.7	856.7	856.7	856.7	856.7	856.7	849.5	840.0	835.2	835.1
172.5°	852.1	851.7	850.0	848.2	850.0	851.7	852.1	846.5	839.0	835.2	835.2
175°	846.0	846.0	846.0	846.0	846.0	846.0	846.0	842.4	837.6	835.2	836.3
177.5°	844.8	844.3	842.3	840.3	842.3	844.3	844.8	842.0	838.2	836.3	837.2
180°	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3	840.3



TEST NUMBER: P934946

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3213.9	3229.3	3238.6	3250.9	3281.6
5°	3090.8	3149.3	3167.7	3213.9	3269.3
7.5°	2819.9	2998.4	3047.6	3158.5	3244.7
10°	2558.2	2736.7	2823.0	3084.6	3213.9
12.5°	2425.8	2530.5	2589.0	2955.3	3170.8
15°	2342.7	2416.6	2459.7	2782.9	3121.6
17.5°	2278.1	2330.4	2361.1	2613.7	3053.8
20°	2238.1	2262.6	2290.4	2490.5	2976.9
22.5°	2210.3	2195.0	2216.5	2404.3	2872.2
25°	2191.9	2133.4	2158.0	2336.6	2749.1
27.5°	2207.2	2078.0	2087.2	2275.0	2619.8
30°	2210.3	2010.2	2013.3	2210.3	2475.1
32.5°	2188.8	1939.4	1942.5	2130.3	2311.9
35°	2136.5	1856.3	1853.2	2038.0	2090.3
37.5°	2065.6	1767.1	1767.1	1936.3	1847.1
40°	1979.5	1677.7	1687.0	1804.0	1631.6
42.5°	1874.8	1582.3	1594.7	1628.5	1471.5
45°	1760.9	1490.0	1499.2	1376.1	1348.4
47.5°	1634.7	1394.6	1397.7	1142.1	1308.3
50°	1483.8	1296.1	1283.7	979.0	1305.2
52.5°	1351.4	1188.3	1151.3	886.6	1185.2
55°	1222.2	1074.4	994.3	815.8	1099.0
57.5°	1108.2	926.6	849.7	732.7	1080.6
60°	1003.6	781.9	723.4	643.4	991.2
62.5°	917.4	674.2	661.9	581.8	898.9
65°	825.0	600.3	597.2	529.5	763.5
67.5°	735.7	551.1	548.0	480.2	581.8
70°	640.3	498.8	492.6	427.9	431.0
72.5°	541.8	440.3	434.1	384.8	357.1
75°	443.3	372.5	369.4	335.6	289.4
77.5°	347.8	295.5	301.7	270.9	212.4
80°	249.3	215.5	221.7	193.9	160.1
82.5°	166.3	141.6	147.7	123.2	107.7
85°	92.3	80.0	83.1	64.7	49.2
87.5°	43.1	36.9	36.9	24.7	15.4
90°	24.8	15.8	14.7	10.2	5.6
92.5°	153.1	108.9	99.3	60.9	22.6
95°	376.5	212.0	194.5	124.3	54.1
97.5°	507.2	233.0	217.5	155.5	93.6
100°	554.8	250.4	236.4	180.2	124.1
102.5°	576.5	267.9	254.8	202.4	150.0
105°	592.7	293.8	282.7	238.4	194.0
107.5°	595.7	332.2	321.8	280.5	239.1
110°	591.2	353.6	344.2	306.9	269.6



TEST NUMBER: P934946

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	591.4	379.5	370.6	335.0	299.5
115°	596.8	418.4	410.2	377.4	344.6
117.5°	608.0	456.3	448.8	419.0	389.1
120°	616.9	478.2	471.2	443.1	415.1
122.5°	629.9	504.2	497.1	468.8	440.4
125°	647.4	537.4	531.0	505.2	479.4
127.5°	664.9	569.6	563.1	537.0	510.9
130°	677.7	591.0	584.0	555.9	527.9
132.5°	688.0	608.5	601.5	573.4	545.3
135°	699.3	628.8	622.5	596.8	571.3
137.5°	716.2	654.8	648.4	623.1	597.8
140°	726.5	672.2	666.4	643.1	619.8
142.5°	735.3	685.2	679.9	658.3	636.7
145°	746.5	705.0	700.2	681.5	662.7
147.5°	763.1	729.8	725.3	706.9	688.6
150°	771.6	742.7	738.6	722.1	705.5
152.5°	777.3	751.2	748.1	735.5	723.0
155°	789.7	769.8	767.5	758.2	748.9
157.5°	802.1	788.4	786.1	777.1	768.1
160°	807.8	796.8	795.1	788.1	781.1
162.5°	813.9	805.9	804.6	799.3	794.0
165°	822.4	818.9	817.7	812.9	808.1
167.5°	829.2	826.2	825.7	823.4	821.1
170°	834.9	834.7	834.1	831.9	829.6
172.5°	835.2	835.2	835.1	834.6	834.1
175°	838.6	840.3	840.3	840.3	840.3
177.5°	839.0	840.3	840.3	840.3	840.3
180°	840.3	840.3	840.3	840.3	840.3



TEST NUMBER: P934946  
 CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-4000K

**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	15.18	16.14	16.04	17.03	18.13	18.02	18.98	18.87	19.86	20.97
	3H	15.66	16.53	16.53	17.42	18.55	19.37	20.24	20.24	21.13	22.26
	4H	15.86	16.68	16.75	17.57	18.72	19.82	20.64	20.71	21.54	22.68
	6H	15.98	16.74	16.88	17.64	18.80	20.11	20.87	21.01	21.77	22.93
	8H	15.99	16.71	16.89	17.63	18.78	20.19	20.91	21.10	21.83	22.99
	12H	15.96	16.65	16.87	17.56	18.74	20.24	20.92	21.15	21.84	23.02
4H	2H	16.22	17.04	17.12	17.94	19.09	18.44	19.26	19.33	20.15	21.30
	3H	17.26	17.94	18.17	18.87	20.03	19.95	20.64	20.86	21.57	22.73
	4H	17.54	18.16	18.46	19.09	20.27	20.49	21.11	21.40	22.03	23.22
	6H	17.67	18.21	18.60	19.16	20.34	20.86	21.40	21.79	22.35	23.53
	8H	17.68	18.18	18.61	19.12	20.33	20.97	21.47	21.90	22.42	23.62
	12H	17.65	18.11	18.60	19.07	20.27	21.04	21.49	21.99	22.45	23.65
8H	4H	18.01	18.51	18.94	19.45	20.65	20.62	21.12	21.55	22.07	23.27
	6H	18.27	18.69	19.23	19.67	20.87	21.06	21.48	22.02	22.46	23.66
	8H	18.32	18.68	19.28	19.66	20.87	21.22	21.59	22.19	22.56	23.78
	12H	18.30	18.63	19.27	19.59	20.86	21.32	21.65	22.29	22.61	23.88
12H	4H	18.02	18.47	18.97	19.43	20.63	20.59	21.04	21.54	22.00	23.21
	6H	18.33	18.70	19.30	19.67	20.89	21.06	21.43	22.03	22.40	23.62
	8H	18.41	18.73	19.38	19.69	20.96	21.23	21.55	22.20	22.52	23.79