

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: P934993

Luminaire Tested: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934993
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-B2750-1D-UNV-STD-W-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

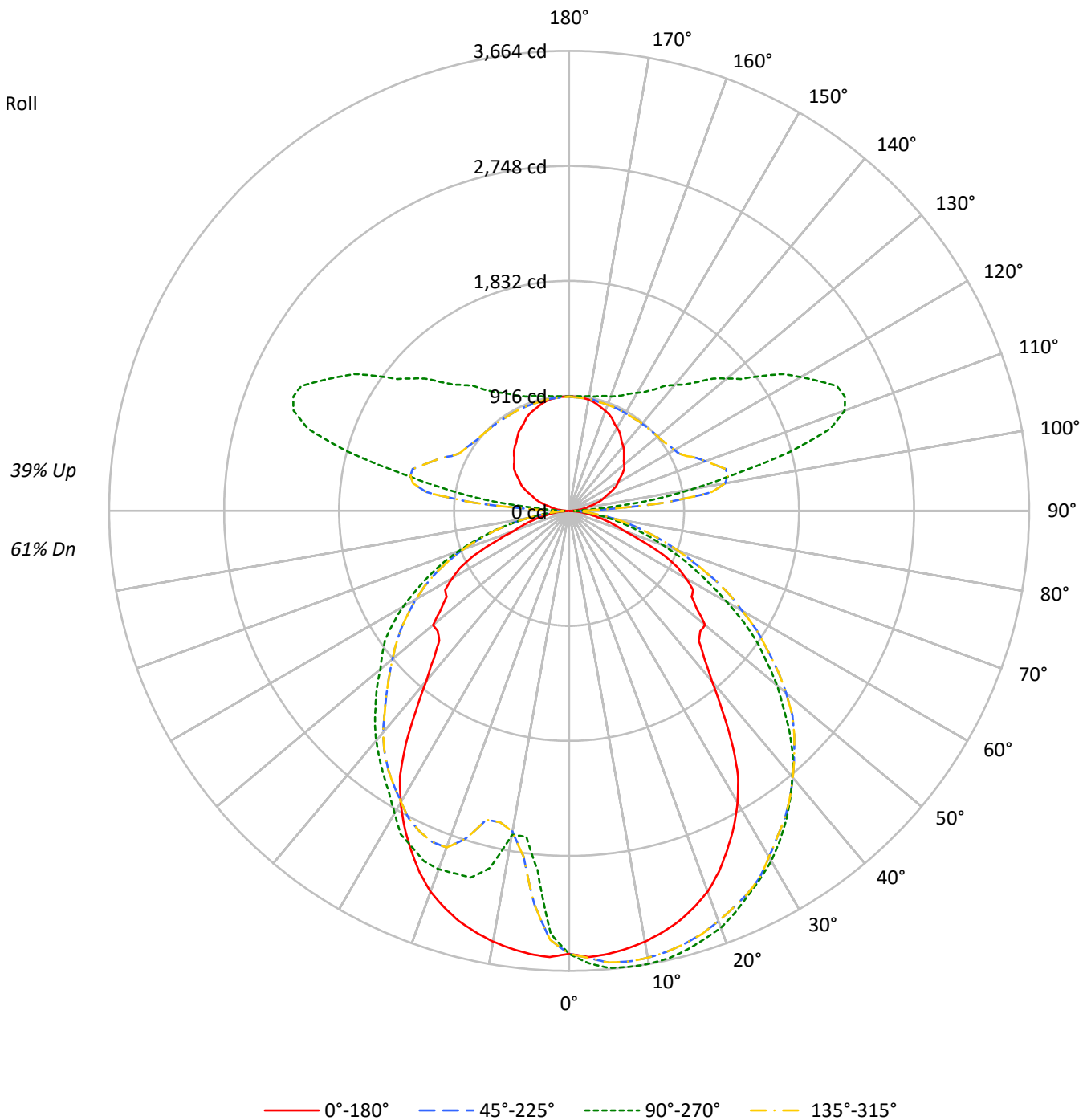
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15053.3 lumens
Efficiency: N/A
Efficacy: 121.4 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: P934993
CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-8-3000K

Luminous Intensity Polar Plot





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CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-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	0
RCR																		
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61
1	100	96	92	88	94	90	86	83	79	76	74	68	66	65	59	57	56	51
2	91	84	78	72	85	79	73	68	69	65	61	60	57	54	52	49	47	43
3	83	74	66	60	78	69	63	57	61	56	51	53	49	46	46	43	40	36
4	76	65	57	51	71	61	54	49	54	48	44	47	43	39	41	37	35	31
5	70	58	50	44	65	55	47	42	48	42	38	42	38	34	37	33	30	27
6	65	52	44	38	60	49	42	36	44	37	33	38	33	30	33	29	26	24
7	60	47	39	33	56	45	37	32	39	33	29	35	30	26	30	26	23	21
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21	19
9	52	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19	17
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16364	16364	16364	16364
5°	16487	16519	16487	12989
10°	16376	16272	16376	11634
15°	16199	15919	16199	13294
20°	15860	15502	15860	13321
25°	15166	14893	15166	13039
30°	14270	14387	14270	12419
35°	12721	13747	12721	11738
40°	10601	12994	10601	11223
45°	9471	12113	9471	10631
50°	10062	11062	10062	10037
55°	9467	9929	9467	9694
60°	9758	8433	9758	8879
65°	8847	6971	8847	7792
70°	6127	5555	6127	6532
75°	5371	4107	5371	4917
80°	4329	2715	4329	2957
85°	2483	1438	2483	1223

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14516 cd/sqm



TEST NUMBER: P934993

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-8-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.4	2.1
10°-20°	904.0	6.0
20°-30°	1397.4	9.3
30°-40°	1668.2	11.1
40°-50°	1678.0	11.1
50°-60°	1460.0	9.7
60°-70°	1035.2	6.9
70°-80°	547.7	3.6
80°-90°	139.9	0.9
90°-100°	444.0	2.9
100°-110°	1167.3	7.8
110°-120°	1210.3	8.0
120°-130°	970.8	6.4
130°-140°	761.8	5.1
140°-150°	584.7	3.9
150°-160°	421.1	2.8
160°-170°	257.6	1.7
170°-180°	87.0	0.6
0°-30°	2619.7	17.4
0°-40°	4287.9	28.5
0°-60°	7425.9	49.3
0°-90°	9148.6	60.8
90°-120°	2821.6	18.7
90°-150°	5138.9	34.1
90°-180°	5905.0	39.2
0°-180°	15053.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3527	3527	3527	3527	3527	
5°	3544	3654	3544	2873	3544	336
15°	3384	3620	3384	3023	3384	952
25°	2980	3377	2980	2956	2980	1368
35°	2266	3013	2266	2573	2266	1402
45°	1462	2483	1462	2179	1462	1171
55°	1191	1832	1191	1789	1191	1095
65°	828	1104	828	1235	828	791
75°	314	524	314	627	314	330
85°	53	134	53	114	53	72
90°	6	23	6	23	6	7
95°	59	268	59	268	59	65
105°	210	1828	210	1828	210	223
115°	374	2354	374	2354	374	369
125°	520	1874	520	1874	520	461
135°	619	1454	619	1454	619	479
145°	718	1180	718	1180	718	450
155°	812	1016	812	1016	812	373
165°	876	946	876	946	876	247
175°	911	917	911	917	911	86
180°	911	911	911	911	911	



TEST NUMBER: P934993

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1
2.5°	3557.1	3557.1	3577.1	3583.8	3583.8	3573.9	3563.8	3573.9	3603.8	3613.9	3610.5
5°	3543.8	3570.5	3607.2	3613.9	3620.5	3617.2	3610.5	3617.2	3650.6	3657.3	3660.6
7.5°	3517.1	3567.2	3613.9	3623.8	3633.9	3623.8	3620.5	3627.2	3660.6	3667.2	3667.2
10°	3483.7	3553.8	3607.2	3613.9	3623.8	3613.9	3613.9	3627.2	3660.6	3667.2	3670.6
12.5°	3437.0	3533.7	3583.8	3590.5	3603.8	3600.5	3597.2	3610.5	3643.9	3650.6	3650.6
15°	3383.7	3497.0	3543.8	3550.5	3573.9	3567.2	3567.2	3580.5	3617.2	3627.2	3623.8
17.5°	3310.2	3450.3	3503.8	3513.7	3530.5	3527.1	3530.5	3543.8	3577.1	3583.8	3587.2
20°	3226.8	3386.9	3450.3	3460.4	3477.0	3477.0	3477.0	3493.7	3527.1	3540.4	3540.4
22.5°	3113.3	3320.3	3386.9	3393.6	3413.6	3413.6	3420.3	3443.7	3473.7	3477.0	3477.0
25°	2979.9	3246.8	3303.5	3323.5	3343.5	3353.6	3363.6	3377.0	3386.9	3383.7	3386.9
27.5°	2839.7	3153.3	3226.8	3240.1	3266.8	3276.9	3290.2	3293.5	3296.9	3306.8	3300.1
30°	2682.9	3023.3	3133.3	3146.7	3190.1	3196.7	3183.4	3190.1	3206.8	3213.5	3220.1
32.5°	2506.0	2829.7	3036.6	3066.7	3106.7	3086.7	3083.3	3093.3	3120.0	3120.0	3126.7
35°	2265.7	2679.6	2946.5	2973.2	3003.2	2979.9	2993.2	2996.6	3013.2	3023.3	3019.9
37.5°	2002.2	2549.4	2853.1	2873.1	2896.5	2866.4	2886.4	2896.5	2909.8	2903.1	2903.1
40°	1768.6	2345.8	2743.0	2756.3	2776.3	2752.9	2772.9	2779.6	2786.3	2779.6	2776.3
42.5°	1595.1	2122.3	2626.1	2642.8	2629.5	2646.1	2652.8	2666.1	2656.2	2642.8	2642.8
45°	1461.5	2062.2	2499.3	2519.3	2499.3	2526.0	2536.1	2536.1	2506.0	2499.3	2496.0
47.5°	1418.2	1942.0	2372.5	2372.5	2362.6	2395.9	2412.5	2389.2	2359.2	2349.1	2349.1
50°	1414.8	1808.6	2199.0	2185.7	2232.4	2272.4	2255.8	2232.4	2209.0	2172.4	2172.4
52.5°	1284.7	1645.0	1975.5	2025.5	2098.9	2122.3	2095.5	2072.2	2032.1	2015.5	2002.2
55°	1191.3	1475.0	1771.9	1872.0	1948.7	1978.8	1928.7	1905.3	1845.3	1835.3	1828.6
57.5°	1171.3	1228.0	1585.0	1711.8	1805.3	1801.9	1771.9	1728.6	1678.5	1668.4	1665.2
60°	1074.4	887.6	1384.8	1535.0	1631.7	1621.8	1595.1	1555.0	1508.3	1501.6	1495.0
62.5°	974.4	644.1	1157.9	1328.0	1464.9	1461.5	1438.2	1378.1	1344.8	1328.0	1314.7
65°	827.5	540.6	824.2	1104.5	1301.4	1308.0	1258.0	1214.7	1177.9	1157.9	1154.6
67.5°	630.6	440.4	557.3	921.0	1144.5	1137.8	1074.4	1054.4	1007.8	997.7	977.7
70°	467.2	293.6	387.1	747.5	991.0	974.4	924.3	901.0	857.6	834.3	820.8
72.5°	387.1	236.9	283.7	580.7	834.3	814.2	770.9	744.1	707.5	687.4	674.0
75°	313.6	250.2	216.9	430.5	677.4	664.1	624.0	597.3	567.2	540.6	543.9
77.5°	230.2	233.6	173.5	317.0	537.3	517.3	493.9	460.5	447.2	420.4	420.4
80°	173.5	183.5	130.2	216.9	387.1	387.1	367.1	343.7	320.4	307.0	307.0
82.5°	116.7	116.7	96.7	136.9	263.7	253.6	240.3	233.6	220.3	213.6	213.6
85°	53.3	66.8	60.0	83.4	143.5	150.2	150.2	143.5	140.1	133.5	136.9
87.5°	16.7	30.1	36.7	46.7	73.5	76.7	80.1	80.1	80.1	83.4	83.4
90°	6.1	11.0	16.0	17.2	26.9	39.9	46.4	41.3	31.0	23.3	23.3
92.5°	24.5	66.1	107.7	118.0	165.9	229.7	261.7	229.3	164.7	116.2	111.5
95°	58.7	134.8	210.8	229.8	408.1	645.8	764.7	682.4	517.7	394.3	380.3
97.5°	101.5	168.6	235.8	252.5	549.8	946.2	1144.4	1092.3	988.3	910.3	883.7
100°	134.5	195.3	256.3	271.4	601.4	1041.2	1261.1	1264.9	1272.5	1278.3	1246.5
102.5°	162.6	219.4	276.2	290.4	624.9	1071.1	1294.1	1360.4	1493.0	1592.5	1565.3
105°	210.3	258.4	306.4	318.5	642.5	1074.4	1290.5	1439.1	1736.2	1959.2	1944.6
107.5°	259.2	304.1	348.8	360.1	645.7	1026.6	1217.1	1424.4	1839.0	2150.0	2153.5
110°	292.3	332.7	373.1	383.3	640.8	984.2	1156.0	1387.7	1851.2	2198.9	2214.1



TEST NUMBER: P934993

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	324.6	363.1	401.7	411.4	641.0	947.3	1100.4	1337.6	1812.0	2167.7	2191.1
115°	373.5	409.1	444.7	453.6	646.9	904.8	1033.7	1262.2	1719.2	2061.9	2094.4
117.5°	421.8	454.2	486.5	494.6	659.0	878.2	987.9	1194.0	1606.5	1915.8	1951.7
120°	449.9	480.3	510.7	518.3	668.7	869.3	969.5	1158.0	1534.8	1817.4	1852.3
122.5°	477.4	508.2	538.8	546.5	682.8	864.5	955.4	1125.1	1464.5	1719.0	1753.4
125°	519.6	547.6	575.5	582.5	701.7	860.7	940.2	1084.3	1372.5	1588.7	1620.5
127.5°	553.8	582.1	610.3	617.4	720.8	858.5	927.3	1051.1	1298.6	1484.2	1510.9
130°	572.2	602.5	633.0	640.6	734.6	859.9	922.5	1032.6	1253.0	1418.3	1443.0
132.5°	591.1	621.6	652.0	659.6	745.8	860.7	918.2	1016.8	1214.1	1362.0	1384.1
135°	619.2	646.9	674.7	681.6	758.0	859.9	910.9	993.5	1158.6	1282.5	1301.6
137.5°	648.0	675.4	702.8	709.7	776.4	865.2	909.6	979.4	1119.1	1223.8	1239.4
140°	671.9	697.1	722.3	728.7	787.5	866.1	905.3	965.7	1086.3	1176.8	1191.4
142.5°	690.2	713.6	736.9	742.8	797.0	869.3	905.3	958.3	1064.3	1143.8	1156.3
145°	718.3	738.7	759.0	764.2	809.2	869.3	899.2	942.6	1029.3	1094.3	1103.7
147.5°	746.4	766.2	786.1	791.1	827.2	875.2	899.2	933.3	1001.5	1052.7	1060.5
150°	764.7	782.7	800.6	805.1	836.4	878.3	899.2	928.0	985.6	1028.8	1035.2
152.5°	783.7	797.3	810.9	814.2	842.5	880.3	899.2	923.8	973.0	1009.9	1014.7
155°	811.8	821.8	831.9	834.5	856.0	884.8	899.2	918.8	957.9	987.3	990.4
157.5°	832.6	842.3	852.1	854.6	869.5	889.3	899.2	914.4	944.9	967.7	969.9
160°	846.7	854.3	861.9	863.7	875.6	891.3	899.2	912.2	938.4	957.9	959.2
162.5°	860.7	866.4	872.1	873.6	882.2	893.5	899.2	910.3	932.3	948.7	949.9
165°	876.0	881.1	886.3	887.6	891.4	896.7	899.2	907.1	922.9	934.7	936.0
167.5°	890.1	892.5	895.0	895.6	898.8	903.2	905.3	910.5	920.8	928.6	929.1
170°	899.2	901.7	904.2	904.8	905.0	905.2	905.3	910.5	920.8	928.6	928.6
172.5°	904.2	904.7	905.2	905.3	905.3	905.3	905.3	909.4	917.6	923.7	923.2
175°	910.9	910.9	910.9	910.9	909.0	906.5	905.3	907.9	913.1	917.0	917.0
177.5°	910.9	910.9	910.9	910.9	909.4	907.5	906.5	908.6	912.6	915.7	915.2
180°	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1
2.5°	3617.2	3607.2	3617.2	3610.5	3613.9	3603.8	3573.9	3563.8	3573.9	3583.8	3583.8
5°	3660.6	3653.9	3660.6	3660.6	3657.3	3650.6	3617.2	3610.5	3617.2	3620.5	3613.9
7.5°	3673.9	3663.9	3673.9	3667.2	3667.2	3660.6	3627.2	3620.5	3623.8	3633.9	3623.8
10°	3673.9	3663.9	3673.9	3670.6	3667.2	3660.6	3627.2	3613.9	3613.9	3623.8	3613.9
12.5°	3657.3	3650.6	3657.3	3650.6	3650.6	3643.9	3610.5	3597.2	3600.5	3603.8	3590.5
15°	3630.6	3620.5	3630.6	3623.8	3627.2	3617.2	3580.5	3567.2	3567.2	3573.9	3550.5
17.5°	3590.5	3577.1	3590.5	3587.2	3583.8	3577.1	3543.8	3530.5	3527.1	3530.5	3513.7
20°	3543.8	3533.7	3543.8	3540.4	3540.4	3527.1	3493.7	3477.0	3477.0	3477.0	3460.4
22.5°	3470.3	3460.4	3470.3	3477.0	3477.0	3473.7	3443.7	3420.3	3413.6	3413.6	3393.6
25°	3386.9	3377.0	3386.9	3386.9	3383.7	3386.9	3377.0	3363.6	3353.6	3343.5	3323.5
27.5°	3306.8	3300.1	3306.8	3300.1	3306.8	3296.9	3293.5	3290.2	3276.9	3266.8	3240.1
30°	3226.8	3220.1	3226.8	3220.1	3213.5	3206.8	3190.1	3183.4	3196.7	3190.1	3146.7
32.5°	3126.7	3120.0	3126.7	3126.7	3120.0	3120.0	3093.3	3083.3	3086.7	3106.7	3066.7
35°	3023.3	3013.2	3023.3	3019.9	3023.3	3013.2	2996.6	2993.2	2979.9	3003.2	2973.2
37.5°	2903.1	2893.1	2903.1	2903.1	2903.1	2909.8	2896.5	2886.4	2866.4	2896.5	2873.1
40°	2779.6	2766.3	2779.6	2776.3	2779.6	2786.3	2779.6	2772.9	2752.9	2776.3	2756.3
42.5°	2639.5	2636.2	2639.5	2642.8	2642.8	2656.2	2666.1	2652.8	2646.1	2629.5	2642.8
45°	2489.4	2482.6	2489.4	2496.0	2499.3	2506.0	2536.1	2536.1	2526.0	2499.3	2519.3
47.5°	2329.1	2312.5	2329.1	2349.1	2349.1	2359.2	2389.2	2412.5	2395.9	2362.6	2372.5
50°	2158.9	2162.3	2158.9	2172.4	2172.4	2209.0	2232.4	2255.8	2272.4	2232.4	2185.7
52.5°	1992.1	1988.8	1992.1	2002.2	2015.5	2032.1	2072.2	2095.5	2122.3	2098.9	2025.5
55°	1825.3	1832.0	1825.3	1828.6	1835.3	1845.3	1905.3	1928.7	1978.8	1948.7	1872.0
57.5°	1658.5	1648.4	1658.5	1665.2	1668.4	1678.5	1728.6	1771.9	1801.9	1805.3	1711.8
60°	1464.9	1451.6	1464.9	1495.0	1501.6	1508.3	1555.0	1595.1	1621.8	1631.7	1535.0
62.5°	1294.7	1271.3	1294.7	1314.7	1328.0	1344.8	1378.1	1438.2	1461.5	1464.9	1328.0
65°	1114.5	1104.5	1114.5	1154.6	1157.9	1177.9	1214.7	1258.0	1308.0	1301.4	1104.5
67.5°	951.0	951.0	951.0	977.7	997.7	1007.8	1054.4	1074.4	1137.8	1144.5	921.0
70°	800.8	797.5	800.8	820.8	834.3	857.6	901.0	924.3	974.4	991.0	747.5
72.5°	657.4	654.0	657.4	674.0	687.4	707.5	744.1	770.9	814.2	834.3	580.7
75°	530.6	523.9	530.6	543.9	540.6	567.2	597.3	624.0	664.1	677.4	430.5
77.5°	407.1	407.1	407.1	420.4	420.4	447.2	460.5	493.9	517.3	537.3	317.0
80°	303.7	300.3	303.7	307.0	307.0	320.4	343.7	367.1	387.1	387.1	216.9
82.5°	213.6	206.9	213.6	213.6	213.6	220.3	233.6	240.3	253.6	263.7	136.9
85°	133.5	133.5	133.5	136.9	133.5	140.1	143.5	150.2	150.2	143.5	83.4
87.5°	86.8	83.4	86.8	83.4	83.4	80.1	80.1	80.1	76.7	73.5	46.7
90°	23.3	23.3	23.3	23.3	23.3	31.0	41.3	46.4	39.9	26.9	17.2
92.5°	93.1	74.5	93.1	111.5	116.2	164.7	229.3	261.7	229.7	165.9	118.0
95°	324.4	268.4	324.4	380.3	394.3	517.7	682.4	764.7	645.8	408.1	229.8
97.5°	777.1	670.6	777.1	883.7	910.3	988.3	1092.3	1144.4	946.2	549.8	252.5
100°	1119.7	992.8	1119.7	1246.5	1278.3	1272.5	1264.9	1261.1	1041.2	601.4	271.4
102.5°	1456.6	1348.0	1456.6	1565.3	1592.5	1493.0	1360.4	1294.1	1071.1	624.9	290.4
105°	1886.1	1827.7	1886.1	1944.6	1959.2	1736.2	1439.1	1290.5	1074.4	642.5	318.5
107.5°	2167.6	2181.7	2167.6	2153.5	2150.0	1839.0	1424.4	1217.1	1026.6	645.7	360.1
110°	2275.0	2335.8	2275.0	2214.1	2198.9	1851.2	1387.7	1156.0	984.2	640.8	383.3



TEST NUMBER: P934993

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2284.5	2377.9	2284.5	2191.1	2167.7	1812.0	1337.6	1100.4	947.3	641.0	411.4
115°	2223.9	2353.5	2223.9	2094.4	2061.9	1719.2	1262.2	1033.7	904.8	646.9	453.6
117.5°	2095.4	2239.2	2095.4	1951.7	1915.8	1606.5	1194.0	987.9	878.2	659.0	494.6
120°	1992.0	2131.6	1992.0	1852.3	1817.4	1534.8	1158.0	969.5	869.3	668.7	518.3
122.5°	1891.1	2028.9	1891.1	1753.4	1719.0	1464.5	1125.1	955.4	864.5	682.8	546.5
125°	1747.4	1874.3	1747.4	1620.5	1588.7	1372.5	1084.3	940.2	860.7	701.7	582.5
127.5°	1618.0	1725.1	1618.0	1510.9	1484.2	1298.6	1051.1	927.3	858.5	720.8	617.4
130°	1541.8	1640.7	1541.8	1443.0	1418.3	1253.0	1032.6	922.5	859.9	734.6	640.6
132.5°	1472.7	1561.2	1472.7	1384.1	1362.0	1214.1	1016.8	918.2	860.7	745.8	659.6
135°	1377.9	1454.3	1377.9	1301.6	1282.5	1158.6	993.5	910.9	859.9	758.0	681.6
137.5°	1301.9	1364.4	1301.9	1239.4	1223.8	1119.1	979.4	909.6	865.2	776.4	709.7
140°	1249.9	1308.2	1249.9	1191.4	1176.8	1086.3	965.7	905.3	866.1	787.5	728.7
142.5°	1206.6	1256.9	1206.6	1156.3	1143.8	1064.3	958.3	905.3	869.3	797.0	742.8
145°	1141.8	1179.8	1141.8	1103.7	1094.3	1029.3	942.6	899.2	869.3	809.2	764.2
147.5°	1092.0	1123.5	1092.0	1060.5	1052.7	1001.5	933.3	899.2	875.2	827.2	791.1
150°	1060.7	1086.3	1060.7	1035.2	1028.8	985.6	928.0	899.2	878.3	836.4	805.1
152.5°	1033.9	1053.2	1033.9	1014.7	1009.9	973.0	923.8	899.2	880.3	842.5	814.2
155°	1003.3	1016.0	1003.3	990.4	987.3	957.9	918.8	899.2	884.8	856.0	834.5
157.5°	978.9	987.9	978.9	969.9	967.7	944.9	914.4	899.2	889.3	869.5	854.6
160°	964.4	969.5	964.4	959.2	957.9	938.4	912.2	899.2	891.3	875.6	863.7
162.5°	954.8	959.8	954.8	949.9	948.7	932.3	910.3	899.2	893.5	882.2	873.6
165°	941.1	946.3	941.1	936.0	934.7	922.9	907.1	899.2	896.7	891.4	887.6
167.5°	931.3	933.4	931.3	929.1	928.6	920.8	910.5	905.3	903.2	898.8	895.6
170°	928.6	928.6	928.6	928.6	928.6	920.8	910.5	905.3	905.2	905.0	904.8
172.5°	921.3	919.4	921.3	923.2	923.7	917.6	909.4	905.3	905.3	905.3	905.3
175°	917.0	917.0	917.0	917.0	917.0	913.1	907.9	905.3	906.5	909.0	910.9
177.5°	913.0	910.9	913.0	915.2	915.7	912.6	908.6	906.5	907.5	909.4	910.9
180°	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9



TEST NUMBER: P934993

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1
2.5°	3577.1	3557.1	3557.1	3523.8	3510.5	3500.4	3483.7	3433.6	3420.3	3406.9	3427.0
5°	3607.2	3570.5	3543.8	3483.7	3433.6	3413.6	3350.2	3230.1	3150.1	3089.9	3056.6
7.5°	3613.9	3567.2	3517.1	3423.7	3303.5	3250.2	3056.6	2836.3	2776.3	2722.9	2689.5
10°	3607.2	3553.8	3483.7	3343.5	3060.0	2966.5	2772.9	2629.5	2592.8	2582.7	2592.8
12.5°	3583.8	3533.7	3437.0	3203.4	2806.4	2743.0	2629.5	2546.0	2539.3	2556.1	2646.1
15°	3543.8	3497.0	3383.7	3016.6	2666.1	2619.5	2539.3	2509.4	2546.0	2662.9	2933.2
17.5°	3503.8	3450.3	3310.2	2833.1	2559.4	2526.0	2469.3	2529.4	2736.2	2893.1	2983.1
20°	3450.3	3386.9	3226.8	2699.6	2482.6	2452.6	2426.0	2696.2	2853.1	2909.8	2959.9
22.5°	3386.9	3320.3	3113.3	2606.1	2402.6	2379.2	2395.9	2789.7	2853.1	2893.1	2936.5
25°	3303.5	3246.8	2979.9	2532.7	2339.2	2312.5	2375.9	2779.6	2816.3	2826.4	2913.1
27.5°	3226.8	3153.3	2839.7	2466.0	2262.4	2252.4	2392.5	2736.2	2763.0	2772.9	2866.4
30°	3133.3	3023.3	2682.9	2395.9	2182.3	2179.0	2395.9	2682.9	2676.2	2702.9	2796.3
32.5°	3036.6	2829.7	2506.0	2309.1	2105.6	2102.3	2372.5	2602.7	2596.1	2632.8	2702.9
35°	2946.5	2679.6	2265.7	2209.0	2008.8	2012.1	2315.8	2509.4	2512.7	2546.0	2589.4
37.5°	2853.1	2549.4	2002.2	2098.9	1915.4	1915.4	2239.0	2422.6	2415.9	2426.0	2486.0
40°	2743.0	2345.8	1768.6	1955.4	1828.6	1818.6	2145.6	2329.1	2305.8	2302.5	2385.9
42.5°	2626.1	2122.3	1595.1	1765.2	1728.6	1715.1	2032.1	2215.7	2172.4	2182.3	2289.1
45°	2499.3	2062.2	1461.5	1491.6	1625.0	1615.1	1908.7	2085.6	2055.5	2082.2	2192.4
47.5°	2372.5	1942.0	1418.2	1238.0	1515.0	1511.6	1771.9	1958.8	1942.0	1968.7	2085.6
50°	2199.0	1808.6	1414.8	1061.1	1391.4	1404.9	1608.4	1835.3	1835.3	1858.6	1982.2
52.5°	1975.5	1645.0	1284.7	961.1	1248.0	1288.0	1464.9	1728.6	1735.2	1758.5	1868.7
55°	1771.9	1475.0	1191.3	884.2	1077.8	1164.6	1324.8	1618.4	1631.7	1655.1	1755.2
57.5°	1585.0	1228.0	1171.3	794.2	921.0	1004.4	1201.2	1511.6	1518.2	1538.4	1635.1
60°	1384.8	887.6	1074.4	697.4	784.2	847.6	1087.9	1384.8	1408.2	1421.5	1504.9
62.5°	1157.9	644.1	974.4	630.6	717.4	730.8	994.4	1264.6	1294.7	1304.8	1354.8
65°	824.2	540.6	827.5	574.0	647.3	650.7	894.3	1141.2	1167.9	1184.6	1221.3
67.5°	557.3	440.4	630.6	520.5	594.0	597.3	797.5	997.7	1034.4	1047.8	1071.2
70°	387.1	293.6	467.2	463.8	533.9	540.6	694.0	867.6	901.0	911.0	924.3
72.5°	283.7	236.9	387.1	417.1	470.5	477.2	587.3	720.8	754.1	764.2	770.9
75°	216.9	250.2	313.6	363.7	400.4	403.8	480.5	587.3	610.6	617.3	620.7
77.5°	173.5	233.6	230.2	293.6	327.1	320.4	377.0	453.9	473.9	473.9	473.9
80°	130.2	183.5	173.5	210.2	240.3	233.6	270.3	323.7	330.3	337.0	333.7
82.5°	96.7	116.7	116.7	133.5	160.1	153.5	180.2	210.2	210.2	210.2	216.9
85°	60.0	66.8	53.3	70.1	90.1	86.8	100.1	113.5	116.7	116.7	110.1
87.5°	36.7	30.1	16.7	26.7	40.0	40.0	46.7	50.1	46.7	46.7	46.7
90°	16.0	11.0	6.1	11.0	16.0	17.2	26.9	39.9	46.4	41.3	31.0
92.5°	107.7	66.1	24.5	66.1	107.7	118.0	165.9	229.7	261.7	229.3	164.7
95°	210.8	134.8	58.7	134.8	210.8	229.8	408.1	645.8	764.7	682.4	517.7
97.5°	235.8	168.6	101.5	168.6	235.8	252.5	549.8	946.2	1144.4	1092.3	988.3
100°	256.3	195.3	134.5	195.3	256.3	271.4	601.4	1041.2	1261.1	1264.9	1272.5
102.5°	276.2	219.4	162.6	219.4	276.2	290.4	624.9	1071.1	1294.1	1360.4	1493.0
105°	306.4	258.4	210.3	258.4	306.4	318.5	642.5	1074.4	1290.5	1439.1	1736.2
107.5°	348.8	304.1	259.2	304.1	348.8	360.1	645.7	1026.6	1217.1	1424.4	1839.0
110°	373.1	332.7	292.3	332.7	373.1	383.3	640.8	984.2	1156.0	1387.7	1851.2



TEST NUMBER: P934993

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	401.7	363.1	324.6	363.1	401.7	411.4	641.0	947.3	1100.4	1337.6	1812.0
115°	444.7	409.1	373.5	409.1	444.7	453.6	646.9	904.8	1033.7	1262.2	1719.2
117.5°	486.5	454.2	421.8	454.2	486.5	494.6	659.0	878.2	987.9	1194.0	1606.5
120°	510.7	480.3	449.9	480.3	510.7	518.3	668.7	869.3	969.5	1158.0	1534.8
122.5°	538.8	508.2	477.4	508.2	538.8	546.5	682.8	864.5	955.4	1125.1	1464.5
125°	575.5	547.6	519.6	547.6	575.5	582.5	701.7	860.7	940.2	1084.3	1372.5
127.5°	610.3	582.1	553.8	582.1	610.3	617.4	720.8	858.5	927.3	1051.1	1298.6
130°	633.0	602.5	572.2	602.5	633.0	640.6	734.6	859.9	922.5	1032.6	1253.0
132.5°	652.0	621.6	591.1	621.6	652.0	659.6	745.8	860.7	918.2	1016.8	1214.1
135°	674.7	646.9	619.2	646.9	674.7	681.6	758.0	859.9	910.9	993.5	1158.6
137.5°	702.8	675.4	648.0	675.4	702.8	709.7	776.4	865.2	909.6	979.4	1119.1
140°	722.3	697.1	671.9	697.1	722.3	728.7	787.5	866.1	905.3	965.7	1086.3
142.5°	736.9	713.6	690.2	713.6	736.9	742.8	797.0	869.3	905.3	958.3	1064.3
145°	759.0	738.7	718.3	738.7	759.0	764.2	809.2	869.3	899.2	942.6	1029.3
147.5°	786.1	766.2	746.4	766.2	786.1	791.1	827.2	875.2	899.2	933.3	1001.5
150°	800.6	782.7	764.7	782.7	800.6	805.1	836.4	878.3	899.2	928.0	985.6
152.5°	810.9	797.3	783.7	797.3	810.9	814.2	842.5	880.3	899.2	923.8	973.0
155°	831.9	821.8	811.8	821.8	831.9	834.5	856.0	884.8	899.2	918.8	957.9
157.5°	852.1	842.3	832.6	842.3	852.1	854.6	869.5	889.3	899.2	914.4	944.9
160°	861.9	854.3	846.7	854.3	861.9	863.7	875.6	891.3	899.2	912.2	938.4
162.5°	872.1	866.4	860.7	866.4	872.1	873.6	882.2	893.5	899.2	910.3	932.3
165°	886.3	881.1	876.0	881.1	886.3	887.6	891.4	896.7	899.2	907.1	922.9
167.5°	895.0	892.5	890.1	892.5	895.0	895.6	898.8	903.2	905.3	910.5	920.8
170°	904.2	901.7	899.2	901.7	904.2	904.8	905.0	905.2	905.3	910.5	920.8
172.5°	905.2	904.7	904.2	904.7	905.2	905.3	905.3	905.3	905.3	909.4	917.6
175°	910.9	910.9	910.9	910.9	910.9	910.9	909.0	906.5	905.3	907.9	913.1
177.5°	910.9	910.9	910.9	910.9	910.9	910.9	909.4	907.5	906.5	908.6	912.6
180°	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9



TEST NUMBER: P934993

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1
2.5°	3403.7	3393.6	3406.9	3370.2	3406.9	3393.6	3403.7	3427.0	3406.9	3420.3	3433.6
5°	2986.5	2969.8	2916.5	2873.1	2916.5	2969.8	2986.5	3056.6	3089.9	3150.1	3230.1
7.5°	2669.5	2656.2	2642.8	2616.2	2642.8	2656.2	2669.5	2689.5	2722.9	2776.3	2836.3
10°	2599.5	2602.7	2622.8	2619.5	2622.8	2602.7	2599.5	2592.8	2582.7	2592.8	2629.5
12.5°	2779.6	2809.7	2919.7	2913.1	2919.7	2809.7	2779.6	2646.1	2556.1	2539.3	2546.0
15°	2986.5	2996.6	3019.9	3023.3	3019.9	2996.6	2986.5	2933.2	2662.9	2546.0	2509.4
17.5°	3006.5	3009.9	3026.5	3026.5	3026.5	3009.9	3006.5	2983.1	2893.1	2736.2	2529.4
20°	2989.8	2996.6	3029.9	3036.6	3029.9	2996.6	2989.8	2959.9	2909.8	2853.1	2696.2
22.5°	2983.1	2996.6	3023.3	3019.9	3023.3	2996.6	2983.1	2936.5	2893.1	2853.1	2789.7
25°	2949.8	2949.8	2953.2	2956.5	2953.2	2949.8	2949.8	2913.1	2826.4	2816.3	2779.6
27.5°	2879.7	2886.4	2906.4	2903.1	2906.4	2886.4	2879.7	2866.4	2772.9	2763.0	2736.2
30°	2816.3	2809.7	2792.9	2779.6	2792.9	2809.7	2816.3	2796.3	2702.9	2676.2	2682.9
32.5°	2709.5	2692.9	2676.2	2666.1	2676.2	2692.9	2709.5	2702.9	2632.8	2596.1	2602.7
35°	2582.7	2586.1	2582.7	2572.8	2582.7	2586.1	2582.7	2589.4	2546.0	2512.7	2509.4
37.5°	2492.7	2499.3	2496.0	2482.6	2496.0	2499.3	2492.7	2486.0	2426.0	2415.9	2422.6
40°	2399.2	2402.6	2399.2	2389.2	2399.2	2402.6	2399.2	2385.9	2302.5	2305.8	2329.1
42.5°	2309.1	2305.8	2295.8	2289.1	2295.8	2305.8	2309.1	2289.1	2182.3	2172.4	2215.7
45°	2205.7	2209.0	2189.0	2179.0	2189.0	2209.0	2205.7	2192.4	2082.2	2055.5	2085.6
47.5°	2102.3	2102.3	2085.6	2075.5	2085.6	2102.3	2102.3	2085.6	1968.7	1942.0	1958.8
50°	1992.1	1988.8	1965.4	1962.1	1965.4	1988.8	1992.1	1982.2	1858.6	1835.3	1835.3
52.5°	1865.3	1865.3	1868.7	1875.4	1868.7	1865.3	1865.3	1868.7	1758.5	1735.2	1728.6
55°	1755.2	1758.5	1781.9	1788.6	1781.9	1758.5	1755.2	1755.2	1655.1	1631.7	1618.4
57.5°	1641.8	1641.8	1658.5	1658.5	1658.5	1641.8	1641.8	1635.1	1538.4	1518.2	1511.6
60°	1511.6	1518.2	1531.7	1528.3	1531.7	1518.2	1511.6	1504.9	1421.5	1408.2	1384.8
62.5°	1374.8	1381.5	1384.8	1378.1	1384.8	1381.5	1374.8	1354.8	1304.8	1294.7	1264.6
65°	1231.3	1238.0	1241.4	1234.7	1241.4	1238.0	1231.3	1221.3	1184.6	1167.9	1141.2
67.5°	1084.5	1081.1	1077.8	1091.2	1077.8	1081.1	1084.5	1071.2	1047.8	1034.4	997.7
70°	934.3	934.3	931.0	937.7	931.0	934.3	934.3	924.3	911.0	901.0	867.6
72.5°	774.2	770.9	784.2	774.2	784.2	770.9	774.2	770.9	764.2	754.1	720.8
75°	617.3	624.0	617.3	627.3	617.3	624.0	617.3	620.7	617.3	610.6	587.3
77.5°	470.5	477.2	470.5	470.5	470.5	477.2	470.5	473.9	473.9	473.9	453.9
80°	333.7	330.3	330.3	327.1	330.3	330.3	333.7	333.7	337.0	330.3	323.7
82.5°	213.6	210.2	210.2	216.9	210.2	210.2	213.6	216.9	210.2	210.2	210.2
85°	116.7	120.1	113.5	113.5	113.5	120.1	116.7	110.1	116.7	116.7	113.5
87.5°	43.4	40.0	40.0	40.0	40.0	40.0	43.4	46.7	46.7	46.7	50.1
90°	23.3	23.3	23.3	23.3	23.3	23.3	23.3	31.0	41.3	46.4	39.9
92.5°	116.2	111.5	93.1	74.5	93.1	111.5	116.2	164.7	229.3	261.7	229.7
95°	394.3	380.3	324.4	268.4	324.4	380.3	394.3	517.7	682.4	764.7	645.8
97.5°	910.3	883.7	777.1	670.6	777.1	883.7	910.3	988.3	1092.3	1144.4	946.2
100°	1278.3	1246.5	1119.7	992.8	1119.7	1246.5	1278.3	1272.5	1264.9	1261.1	1041.2
102.5°	1592.5	1565.3	1456.6	1348.0	1456.6	1565.3	1592.5	1493.0	1360.4	1294.1	1071.1
105°	1959.2	1944.6	1886.1	1827.7	1886.1	1944.6	1959.2	1736.2	1439.1	1290.5	1074.4
107.5°	2150.0	2153.5	2167.6	2181.7	2167.6	2153.5	2150.0	1839.0	1424.4	1217.1	1026.6
110°	2198.9	2214.1	2275.0	2335.8	2275.0	2214.1	2198.9	1851.2	1387.7	1156.0	984.2



TEST NUMBER: P934993

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2167.7	2191.1	2284.5	2377.9	2284.5	2191.1	2167.7	1812.0	1337.6	1100.4	947.3
115°	2061.9	2094.4	2223.9	2353.5	2223.9	2094.4	2061.9	1719.2	1262.2	1033.7	904.8
117.5°	1915.8	1951.7	2095.4	2239.2	2095.4	1951.7	1915.8	1606.5	1194.0	987.9	878.2
120°	1817.4	1852.3	1992.0	2131.6	1992.0	1852.3	1817.4	1534.8	1158.0	969.5	869.3
122.5°	1719.0	1753.4	1891.1	2028.9	1891.1	1753.4	1719.0	1464.5	1125.1	955.4	864.5
125°	1588.7	1620.5	1747.4	1874.3	1747.4	1620.5	1588.7	1372.5	1084.3	940.2	860.7
127.5°	1484.2	1510.9	1618.0	1725.1	1618.0	1510.9	1484.2	1298.6	1051.1	927.3	858.5
130°	1418.3	1443.0	1541.8	1640.7	1541.8	1443.0	1418.3	1253.0	1032.6	922.5	859.9
132.5°	1362.0	1384.1	1472.7	1561.2	1472.7	1384.1	1362.0	1214.1	1016.8	918.2	860.7
135°	1282.5	1301.6	1377.9	1454.3	1377.9	1301.6	1282.5	1158.6	993.5	910.9	859.9
137.5°	1223.8	1239.4	1301.9	1364.4	1301.9	1239.4	1223.8	1119.1	979.4	909.6	865.2
140°	1176.8	1191.4	1249.9	1308.2	1249.9	1191.4	1176.8	1086.3	965.7	905.3	866.1
142.5°	1143.8	1156.3	1206.6	1256.9	1206.6	1156.3	1143.8	1064.3	958.3	905.3	869.3
145°	1094.3	1103.7	1141.8	1179.8	1141.8	1103.7	1094.3	1029.3	942.6	899.2	869.3
147.5°	1052.7	1060.5	1092.0	1123.5	1092.0	1060.5	1052.7	1001.5	933.3	899.2	875.2
150°	1028.8	1035.2	1060.7	1086.3	1060.7	1035.2	1028.8	985.6	928.0	899.2	878.3
152.5°	1009.9	1014.7	1033.9	1053.2	1033.9	1014.7	1009.9	973.0	923.8	899.2	880.3
155°	987.3	990.4	1003.3	1016.0	1003.3	990.4	987.3	957.9	918.8	899.2	884.8
157.5°	967.7	969.9	978.9	987.9	978.9	969.9	967.7	944.9	914.4	899.2	889.3
160°	957.9	959.2	964.4	969.5	964.4	959.2	957.9	938.4	912.2	899.2	891.3
162.5°	948.7	949.9	954.8	959.8	954.8	949.9	948.7	932.3	910.3	899.2	893.5
165°	934.7	936.0	941.1	946.3	941.1	936.0	934.7	922.9	907.1	899.2	896.7
167.5°	928.6	929.1	931.3	933.4	931.3	929.1	928.6	920.8	910.5	905.3	903.2
170°	928.6	928.6	928.6	928.6	928.6	928.6	928.6	920.8	910.5	905.3	905.2
172.5°	923.7	923.2	921.3	919.4	921.3	923.2	923.7	917.6	909.4	905.3	905.3
175°	917.0	917.0	917.0	917.0	917.0	917.0	917.0	913.1	907.9	905.3	906.5
177.5°	915.7	915.2	913.0	910.9	913.0	915.2	915.7	912.6	908.6	906.5	907.5
180°	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9



TEST NUMBER: P934993

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3527.1	3527.1	3527.1	3527.1	3527.1
2.5°	3483.7	3500.4	3510.5	3523.8	3557.1
5°	3350.2	3413.6	3433.6	3483.7	3543.8
7.5°	3056.6	3250.2	3303.5	3423.7	3517.1
10°	2772.9	2966.5	3060.0	3343.5	3483.7
12.5°	2629.5	2743.0	2806.4	3203.4	3437.0
15°	2539.3	2619.5	2666.1	3016.6	3383.7
17.5°	2469.3	2526.0	2559.4	2833.1	3310.2
20°	2426.0	2452.6	2482.6	2699.6	3226.8
22.5°	2395.9	2379.2	2402.6	2606.1	3113.3
25°	2375.9	2312.5	2339.2	2532.7	2979.9
27.5°	2392.5	2252.4	2262.4	2466.0	2839.7
30°	2395.9	2179.0	2182.3	2395.9	2682.9
32.5°	2372.5	2102.3	2105.6	2309.1	2506.0
35°	2315.8	2012.1	2008.8	2209.0	2265.7
37.5°	2239.0	1915.4	1915.4	2098.9	2002.2
40°	2145.6	1818.6	1828.6	1955.4	1768.6
42.5°	2032.1	1715.1	1728.6	1765.2	1595.1
45°	1908.7	1615.1	1625.0	1491.6	1461.5
47.5°	1771.9	1511.6	1515.0	1238.0	1418.2
50°	1608.4	1404.9	1391.4	1061.1	1414.8
52.5°	1464.9	1288.0	1248.0	961.1	1284.7
55°	1324.8	1164.6	1077.8	884.2	1191.3
57.5°	1201.2	1004.4	921.0	794.2	1171.3
60°	1087.9	847.6	784.2	697.4	1074.4
62.5°	994.4	730.8	717.4	630.6	974.4
65°	894.3	650.7	647.3	574.0	827.5
67.5°	797.5	597.3	594.0	520.5	630.6
70°	694.0	540.6	533.9	463.8	467.2
72.5°	587.3	477.2	470.5	417.1	387.1
75°	480.5	403.8	400.4	363.7	313.6
77.5°	377.0	320.4	327.1	293.6	230.2
80°	270.3	233.6	240.3	210.2	173.5
82.5°	180.2	153.5	160.1	133.5	116.7
85°	100.1	86.8	90.1	70.1	53.3
87.5°	46.7	40.0	40.0	26.7	16.7
90°	26.9	17.2	16.0	11.0	6.1
92.5°	165.9	118.0	107.7	66.1	24.5
95°	408.1	229.8	210.8	134.8	58.7
97.5°	549.8	252.5	235.8	168.6	101.5
100°	601.4	271.4	256.3	195.3	134.5
102.5°	624.9	290.4	276.2	219.4	162.6
105°	642.5	318.5	306.4	258.4	210.3
107.5°	645.7	360.1	348.8	304.1	259.2
110°	640.8	383.3	373.1	332.7	292.3



TEST NUMBER: P934993

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	641.0	411.4	401.7	363.1	324.6
115°	646.9	453.6	444.7	409.1	373.5
117.5°	659.0	494.6	486.5	454.2	421.8
120°	668.7	518.3	510.7	480.3	449.9
122.5°	682.8	546.5	538.8	508.2	477.4
125°	701.7	582.5	575.5	547.6	519.6
127.5°	720.8	617.4	610.3	582.1	553.8
130°	734.6	640.6	633.0	602.5	572.2
132.5°	745.8	659.6	652.0	621.6	591.1
135°	758.0	681.6	674.7	646.9	619.2
137.5°	776.4	709.7	702.8	675.4	648.0
140°	787.5	728.7	722.3	697.1	671.9
142.5°	797.0	742.8	736.9	713.6	690.2
145°	809.2	764.2	759.0	738.7	718.3
147.5°	827.2	791.1	786.1	766.2	746.4
150°	836.4	805.1	800.6	782.7	764.7
152.5°	842.5	814.2	810.9	797.3	783.7
155°	856.0	834.5	831.9	821.8	811.8
157.5°	869.5	854.6	852.1	842.3	832.6
160°	875.6	863.7	861.9	854.3	846.7
162.5°	882.2	873.6	872.1	866.4	860.7
165°	891.4	887.6	886.3	881.1	876.0
167.5°	898.8	895.6	895.0	892.5	890.1
170°	905.0	904.8	904.2	901.7	899.2
172.5°	905.3	905.3	905.2	904.7	904.2
175°	909.0	910.9	910.9	910.9	910.9
177.5°	909.4	910.9	910.9	910.9	910.9
180°	910.9	910.9	910.9	910.9	910.9



TEST NUMBER: P934993
 CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-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	15.46	16.42	16.32	17.31	18.41	18.30	19.26	19.15	20.14	21.25
	3H	15.94	16.81	16.81	17.70	18.83	19.65	20.52	20.52	21.41	22.54
	4H	16.14	16.96	17.03	17.85	19.00	20.10	20.92	20.99	21.82	22.96
	6H	16.26	17.02	17.16	17.92	19.08	20.39	21.15	21.29	22.05	23.21
	8H	16.27	16.99	17.17	17.91	19.06	20.47	21.19	21.38	22.11	23.27
	12H	16.24	16.93	17.15	17.84	19.02	20.52	21.20	21.43	22.12	23.30
4H	2H	16.50	17.32	17.40	18.22	19.37	18.72	19.54	19.61	20.43	21.58
	3H	17.54	18.22	18.45	19.15	20.31	20.24	20.92	21.14	21.85	23.01
	4H	17.82	18.44	18.74	19.37	20.55	20.77	21.39	21.68	22.32	23.50
	6H	17.95	18.49	18.88	19.44	20.62	21.14	21.68	22.07	22.63	23.81
	8H	17.96	18.46	18.89	19.40	20.61	21.25	21.75	22.18	22.70	23.90
	12H	17.93	18.39	18.88	19.35	20.55	21.32	21.77	22.27	22.73	23.93
8H	4H	18.29	18.79	19.22	19.73	20.93	20.90	21.40	21.83	22.35	23.55
	6H	18.55	18.97	19.51	19.95	21.15	21.34	21.76	22.30	22.74	23.94
	8H	18.60	18.96	19.56	19.94	21.15	21.50	21.87	22.47	22.84	24.06
	12H	18.58	18.91	19.55	19.87	21.14	21.60	21.93	22.57	22.89	24.16
12H	4H	18.30	18.75	19.25	19.71	20.91	20.87	21.32	21.82	22.28	23.49
	6H	18.61	18.98	19.58	19.95	21.17	21.34	21.71	22.31	22.68	23.90
	8H	18.69	19.01	19.66	19.97	21.24	21.51	21.83	22.48	22.80	24.07