

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: P934784

Luminaire Tested: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-4-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934784
REPORT IS A COMBINATION OF REPORTS P933710 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-4-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

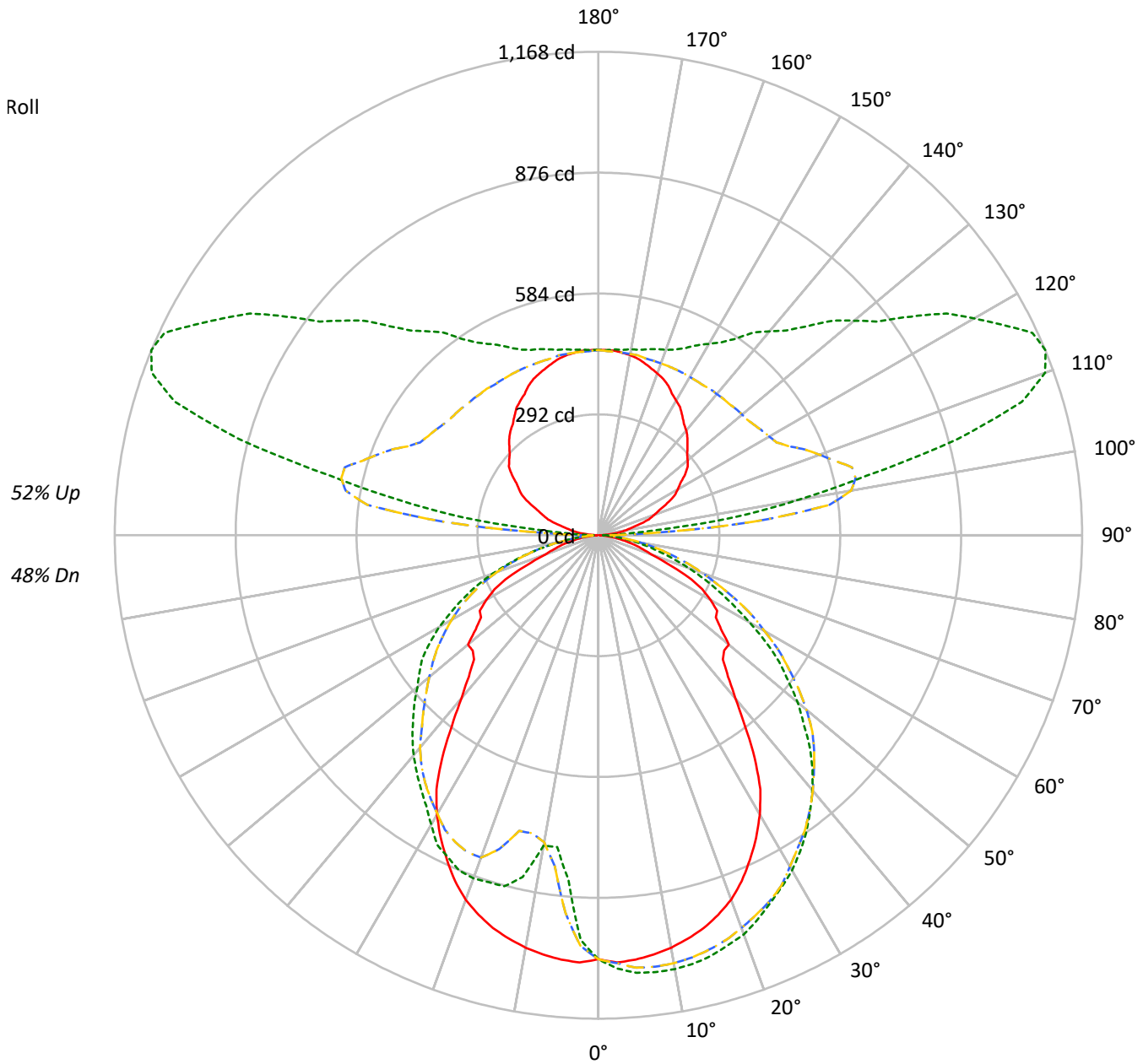
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5559.1 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 42.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P934784
CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-4-3500K

Luminous Intensity Polar Plot



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



TEST NUMBER: P934784

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-4-3500K

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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	97	93	89	86	89	86	82	79	72	70	68	60	58	56	48	47	46	40
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	29
4	74	63	55	49	68	58	52	46	49	44	40	41	37	34	33	31	28	25
5	68	56	48	42	62	52	45	40	44	39	34	37	33	29	30	27	25	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17
8	54	41	33	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9505	9505	9505	9505
5°	9566	9595	9566	7545
10°	9491	9453	9491	6758
15°	9378	9248	9378	7721
20°	9170	9004	9170	7737
25°	8758	8650	8758	7573
30°	8230	8357	8230	7214
35°	7325	7985	7325	6818
40°	6095	7548	6095	6519
45°	5435	7036	5435	6176
50°	5762	6425	5762	5831
55°	5405	5768	5405	5631
60°	5550	4899	5550	5158
65°	5008	4048	5008	4526
70°	3445	3227	3445	3794
75°	2987	2384	2987	2856
80°	2359	1577	2359	1718
85°	1283	836	1283	709

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8346 cd/sqm



TEST NUMBER: P934784

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-4-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.5	1.7
10°-20°	262.5	4.7
20°-30°	405.8	7.3
30°-40°	484.5	8.7
40°-50°	487.3	8.8
50°-60°	424.0	7.6
60°-70°	300.6	5.4
70°-80°	159.0	2.9
80°-90°	41.3	0.7
90°-100°	218.2	3.9
100°-110°	573.6	10.3
110°-120°	594.7	10.7
120°-130°	477.1	8.6
130°-140°	374.3	6.7
140°-150°	287.3	5.2
150°-160°	206.9	3.7
160°-170°	126.6	2.3
170°-180°	42.8	0.8
0°-30°	760.8	13.7
0°-40°	1245.3	22.4
0°-60°	2156.7	38.8
0°-90°	2657.7	47.8
90°-120°	1386.5	24.9
90°-150°	2525.2	45.4
90°-180°	2901.0	52.2
0°-180°	5559.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1024	1024	1024	1024	1024	
5°	1029	1061	1029	834	1029	98
15°	983	1052	983	878	983	276
25°	865	981	865	859	865	397
35°	658	875	658	747	658	407
45°	424	721	424	633	424	340
55°	346	532	346	520	346	318
65°	240	321	240	359	240	230
75°	91	152	91	182	91	96
85°	16	39	16	33	16	21
90°	3	11	3	11	3	3
95°	29	132	29	132	29	32
105°	103	898	103	898	103	110
115°	184	1156	184	1156	184	181
125°	255	921	255	921	255	227
135°	304	715	304	715	304	235
145°	353	580	353	580	353	221
155°	399	499	399	499	399	183
165°	430	465	430	465	430	121
175°	448	451	448	451	448	42
180°	448	448	448	448	448	



TEST NUMBER: P934784

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3
2.5°	1033.1	1033.1	1039.0	1040.9	1040.9	1038.0	1035.1	1038.0	1046.7	1049.6	1048.7
5°	1029.2	1037.0	1047.7	1049.6	1051.6	1050.6	1048.7	1050.6	1060.3	1062.2	1063.2
7.5°	1021.4	1036.1	1049.6	1052.5	1055.4	1052.5	1051.6	1053.5	1063.2	1065.1	1065.1
10°	1011.7	1032.1	1047.7	1049.6	1052.5	1049.6	1049.6	1053.5	1063.2	1065.1	1066.1
12.5°	998.2	1026.3	1040.9	1042.8	1046.7	1045.7	1044.8	1048.7	1058.3	1060.3	1060.3
15°	982.7	1015.6	1029.2	1031.1	1038.0	1036.1	1036.1	1039.9	1050.6	1053.5	1052.5
17.5°	961.3	1002.0	1017.5	1020.5	1025.3	1024.3	1025.3	1029.2	1039.0	1040.9	1041.9
20°	937.1	983.6	1002.0	1004.9	1009.8	1009.8	1009.8	1014.6	1024.3	1028.2	1028.2
22.5°	904.2	964.3	983.6	985.6	991.4	991.4	993.3	1000.1	1008.8	1009.8	1009.8
25°	865.4	942.9	959.4	965.2	971.0	973.9	976.8	980.7	983.6	982.7	983.6
27.5°	824.7	915.8	937.1	941.0	948.7	951.7	955.5	956.5	957.5	960.4	958.4
30°	779.2	878.0	910.0	913.9	926.5	928.4	924.5	926.5	931.3	933.2	935.2
32.5°	727.8	821.8	881.9	890.6	902.2	896.4	895.5	898.4	906.1	906.1	908.0
35°	658.0	778.2	855.7	863.5	872.2	865.4	869.3	870.3	875.1	878.0	877.0
37.5°	581.5	740.4	828.6	834.4	841.2	832.5	838.3	841.2	845.1	843.1	843.1
40°	513.7	681.3	796.6	800.5	806.3	799.5	805.3	807.3	809.2	807.3	806.3
42.5°	463.3	616.4	762.7	767.5	763.7	768.5	770.5	774.3	771.4	767.5	767.5
45°	424.5	598.9	725.9	731.7	725.9	733.6	736.5	736.5	727.8	725.9	724.9
47.5°	411.9	564.1	689.1	689.1	686.1	695.8	700.7	693.9	685.2	682.3	682.3
50°	411.0	525.3	638.7	634.8	648.4	660.0	655.1	648.4	641.6	630.9	630.9
52.5°	373.2	477.8	573.7	588.3	609.6	616.4	608.6	601.8	590.2	585.4	581.5
55°	346.0	428.4	514.6	543.7	566.0	574.7	560.2	553.4	536.0	533.0	531.1
57.5°	340.1	356.7	460.4	497.2	524.3	523.4	514.6	502.0	487.5	484.6	483.6
60°	312.0	257.8	402.2	445.8	473.9	471.0	463.3	451.7	438.1	436.1	434.2
62.5°	282.9	187.0	336.2	385.8	425.5	424.5	417.7	400.3	390.6	385.8	381.9
65°	240.3	157.0	239.3	320.7	378.0	379.9	365.4	352.8	342.1	336.2	335.3
67.5°	183.1	127.9	161.8	267.4	332.4	330.4	312.0	306.2	292.6	289.7	283.9
70°	135.7	85.3	112.4	217.1	287.8	282.9	268.4	261.6	249.0	242.2	238.4
72.5°	112.4	68.8	82.4	168.6	242.2	236.4	223.8	216.1	205.4	199.6	195.7
75°	91.1	72.7	63.0	125.0	196.7	192.8	181.2	173.5	164.7	157.0	157.9
77.5°	66.9	67.8	50.4	92.1	156.0	150.2	143.4	133.7	129.8	122.1	122.1
80°	50.4	53.3	37.8	63.0	112.4	112.4	106.6	99.8	93.0	89.1	89.1
82.5°	33.9	33.9	28.1	39.7	76.6	73.6	69.8	67.8	64.0	62.0	62.0
85°	15.5	19.4	17.4	24.2	41.7	43.6	43.6	41.7	40.7	38.8	39.7
87.5°	4.8	8.7	10.7	13.6	21.3	22.3	23.3	23.3	23.3	24.2	24.2
90°	3.0	5.4	7.8	8.4	13.3	19.7	22.9	20.3	15.2	11.4	11.4
92.5°	12.0	32.5	52.8	57.9	81.5	112.9	128.6	112.7	80.9	57.1	54.8
95°	28.9	66.3	103.7	113.0	200.6	317.3	375.8	335.3	254.4	193.7	186.8
97.5°	49.9	82.8	115.8	124.0	270.2	464.9	562.3	536.7	485.7	447.3	434.2
100°	66.1	95.9	125.9	133.3	295.4	511.6	619.7	621.5	625.3	628.1	612.5
102.5°	79.9	107.8	135.7	142.6	307.1	526.4	636.0	668.5	733.6	782.5	769.1
105°	103.3	126.9	150.6	156.5	315.7	528.0	634.1	707.2	853.2	962.7	955.5
107.5°	127.3	149.4	171.4	176.9	317.3	504.5	598.1	699.9	903.6	1056.4	1058.1
110°	143.6	163.5	183.4	188.4	314.9	483.6	568.0	681.9	909.6	1080.4	1087.9



TEST NUMBER: P934784

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	159.5	178.5	197.4	202.1	315.0	465.5	540.7	657.3	890.3	1065.1	1076.7
115°	183.5	201.0	218.5	222.9	317.9	444.6	507.9	620.3	844.8	1013.2	1029.1
117.5°	207.3	223.2	239.1	243.0	323.8	431.5	485.4	586.7	789.3	941.4	959.0
120°	221.1	236.0	251.0	254.8	328.6	427.1	476.4	569.0	754.2	893.0	910.2
122.5°	234.6	249.7	264.7	268.5	335.5	424.8	469.5	552.8	719.6	844.7	861.6
125°	255.3	269.1	282.9	286.2	344.9	423.0	462.0	532.9	674.5	780.7	796.3
127.5°	272.2	286.0	299.9	303.4	354.2	421.9	455.7	516.6	638.2	729.4	742.5
130°	281.2	296.1	311.0	314.8	361.0	422.5	453.3	507.5	615.7	696.9	709.0
132.5°	290.5	305.4	320.4	324.1	366.5	423.0	451.2	499.6	596.6	669.3	680.1
135°	304.3	317.8	331.5	334.9	372.5	422.6	447.6	488.2	569.4	630.2	639.6
137.5°	318.4	331.9	345.4	348.7	381.5	425.2	447.0	481.3	549.9	601.4	609.0
140°	330.1	342.5	354.9	358.0	387.0	425.6	444.9	474.5	533.7	578.2	585.4
142.5°	339.2	350.6	362.0	364.9	391.6	427.1	444.9	470.9	523.0	562.0	568.2
145°	352.9	363.0	373.0	375.5	397.6	427.1	441.9	463.2	505.7	537.7	542.3
147.5°	366.8	376.5	386.2	388.7	406.4	430.0	441.9	458.6	492.2	517.3	521.1
150°	375.8	384.6	393.4	395.6	411.0	431.6	441.9	456.0	484.3	505.5	508.6
152.5°	385.1	391.8	398.5	400.1	414.1	432.6	441.9	454.0	478.1	496.2	498.6
155°	398.9	403.9	408.7	410.0	420.6	434.8	441.9	451.5	470.6	485.1	486.6
157.5°	409.1	414.0	418.8	420.0	427.2	437.0	441.9	449.3	464.2	475.5	476.6
160°	416.0	419.8	423.5	424.4	430.2	438.0	441.9	448.3	461.1	470.7	471.3
162.5°	423.0	425.8	428.6	429.3	433.4	439.1	441.9	447.3	458.0	466.2	466.8
165°	430.4	432.9	435.5	436.1	438.1	440.6	441.9	445.7	453.5	459.3	460.0
167.5°	437.3	438.5	439.7	440.0	441.7	443.8	444.9	447.4	452.5	456.3	456.6
170°	441.9	443.0	444.3	444.6	444.7	444.8	444.9	447.4	452.5	456.3	456.3
172.5°	444.3	444.6	444.8	444.9	444.9	444.9	444.9	446.9	450.9	453.9	453.7
175°	447.6	447.6	447.6	447.6	446.7	445.4	444.9	446.1	448.6	450.6	450.6
177.5°	447.6	447.6	447.6	447.6	446.9	445.9	445.4	446.4	448.5	450.0	449.7
180°	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6



TEST NUMBER: P934784

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3
2.5°	1050.6	1047.7	1050.6	1048.7	1049.6	1046.7	1038.0	1035.1	1038.0	1040.9	1040.9
5°	1063.2	1061.2	1063.2	1063.2	1062.2	1060.3	1050.6	1048.7	1050.6	1051.6	1049.6
7.5°	1067.1	1064.2	1067.1	1065.1	1065.1	1063.2	1053.5	1051.6	1052.5	1055.4	1052.5
10°	1067.1	1064.2	1067.1	1066.1	1065.1	1063.2	1053.5	1049.6	1049.6	1052.5	1049.6
12.5°	1062.2	1060.3	1062.2	1060.3	1060.3	1058.3	1048.7	1044.8	1045.7	1046.7	1042.8
15°	1054.5	1051.6	1054.5	1052.5	1053.5	1050.6	1039.9	1036.1	1036.1	1038.0	1031.1
17.5°	1042.8	1039.0	1042.8	1041.9	1040.9	1039.0	1029.2	1025.3	1024.3	1025.3	1020.5
20°	1029.2	1026.3	1029.2	1028.2	1028.2	1024.3	1014.6	1009.8	1009.8	1009.8	1004.9
22.5°	1007.9	1004.9	1007.9	1009.8	1009.8	1008.8	1000.1	993.3	991.4	991.4	985.6
25°	983.6	980.7	983.6	983.6	982.7	983.6	980.7	976.8	973.9	971.0	965.2
27.5°	960.4	958.4	960.4	958.4	960.4	957.5	956.5	955.5	951.7	948.7	941.0
30°	937.1	935.2	937.1	935.2	933.2	931.3	926.5	924.5	928.4	926.5	913.9
32.5°	908.0	906.1	908.0	908.0	906.1	906.1	898.4	895.5	896.4	902.2	890.6
35°	878.0	875.1	878.0	877.0	878.0	875.1	870.3	869.3	865.4	872.2	863.5
37.5°	843.1	840.2	843.1	843.1	843.1	845.1	841.2	838.3	832.5	841.2	834.4
40°	807.3	803.4	807.3	806.3	807.3	809.2	807.3	805.3	799.5	806.3	800.5
42.5°	766.6	765.6	766.6	767.5	767.5	771.4	774.3	770.5	768.5	763.7	767.5
45°	723.0	721.0	723.0	724.9	725.9	727.8	736.5	736.5	733.6	725.9	731.7
47.5°	676.5	671.6	676.5	682.3	682.3	685.2	693.9	700.7	695.8	686.1	689.1
50°	627.0	628.0	627.0	630.9	630.9	641.6	648.4	655.1	660.0	648.4	634.8
52.5°	578.6	577.6	578.6	581.5	585.4	590.2	601.8	608.6	616.4	609.6	588.3
55°	530.1	532.1	530.1	531.1	533.0	536.0	553.4	560.2	574.7	566.0	543.7
57.5°	481.7	478.8	481.7	483.6	484.6	487.5	502.0	514.6	523.4	524.3	497.2
60°	425.5	421.6	425.5	434.2	436.1	438.1	451.7	463.3	471.0	473.9	445.8
62.5°	376.1	369.3	376.1	381.9	385.8	390.6	400.3	417.7	424.5	425.5	385.8
65°	323.6	320.7	323.6	335.3	336.2	342.1	352.8	365.4	379.9	378.0	320.7
67.5°	276.2	276.2	276.2	283.9	289.7	292.6	306.2	312.0	330.4	332.4	267.4
70°	232.6	231.6	232.6	238.4	242.2	249.0	261.6	268.4	282.9	287.8	217.1
72.5°	190.9	189.9	190.9	195.7	199.6	205.4	216.1	223.8	236.4	242.2	168.6
75°	154.1	152.1	154.1	157.9	157.0	164.7	173.5	181.2	192.8	196.7	125.0
77.5°	118.2	118.2	118.2	122.1	122.1	129.8	133.7	143.4	150.2	156.0	92.1
80°	88.2	87.2	88.2	89.1	89.1	93.0	99.8	106.6	112.4	112.4	63.0
82.5°	62.0	60.1	62.0	62.0	62.0	64.0	67.8	69.8	73.6	76.6	39.7
85°	38.8	38.8	38.8	39.7	38.8	40.7	41.7	43.6	43.6	41.7	24.2
87.5°	25.2	24.2	25.2	24.2	24.2	23.3	23.3	23.3	22.3	21.3	13.6
90°	11.4	11.4	11.4	11.4	11.4	15.2	20.3	22.9	19.7	13.3	8.4
92.5°	45.7	36.6	45.7	54.8	57.1	80.9	112.7	128.6	112.9	81.5	57.9
95°	159.4	131.9	159.4	186.8	193.7	254.4	335.3	375.8	317.3	200.6	113.0
97.5°	381.9	329.6	381.9	434.2	447.3	485.7	536.7	562.3	464.9	270.2	124.0
100°	550.2	487.8	550.2	612.5	628.1	625.3	621.5	619.7	511.6	295.4	133.3
102.5°	715.7	662.3	715.7	769.1	782.5	733.6	668.5	636.0	526.4	307.1	142.6
105°	926.8	898.2	926.8	955.5	962.7	853.2	707.2	634.1	528.0	315.7	156.5
107.5°	1065.1	1072.1	1065.1	1058.1	1056.4	903.6	699.9	598.1	504.5	317.3	176.9
110°	1117.8	1147.8	1117.8	1087.9	1080.4	909.6	681.9	568.0	483.6	314.9	188.4



TEST NUMBER: P934784

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1122.6	1168.5	1122.6	1076.7	1065.1	890.3	657.3	540.7	465.5	315.0	202.1
115°	1092.8	1156.5	1092.8	1029.1	1013.2	844.8	620.3	507.9	444.6	317.9	222.9
117.5°	1029.7	1100.3	1029.7	959.0	941.4	789.3	586.7	485.4	431.5	323.8	243.0
120°	978.8	1047.4	978.8	910.2	893.0	754.2	569.0	476.4	427.1	328.6	254.8
122.5°	929.3	997.0	929.3	861.6	844.7	719.6	552.8	469.5	424.8	335.5	268.5
125°	858.6	920.9	858.6	796.3	780.7	674.5	532.9	462.0	423.0	344.9	286.2
127.5°	795.1	847.7	795.1	742.5	729.4	638.2	516.6	455.7	421.9	354.2	303.4
130°	757.7	806.2	757.7	709.0	696.9	615.7	507.5	453.3	422.5	361.0	314.8
132.5°	723.6	767.2	723.6	680.1	669.3	596.6	499.6	451.2	423.0	366.5	324.1
135°	677.1	714.6	677.1	639.6	630.2	569.4	488.2	447.6	422.6	372.5	334.9
137.5°	639.7	670.5	639.7	609.0	601.4	549.9	481.3	447.0	425.2	381.5	348.7
140°	614.2	642.8	614.2	585.4	578.2	533.7	474.5	444.9	425.6	387.0	358.0
142.5°	592.8	617.5	592.8	568.2	562.0	523.0	470.9	444.9	427.1	391.6	364.9
145°	561.1	579.8	561.1	542.3	537.7	505.7	463.2	441.9	427.1	397.6	375.5
147.5°	536.6	552.1	536.6	521.1	517.3	492.2	458.6	441.9	430.0	406.4	388.7
150°	521.2	533.8	521.2	508.6	505.5	484.3	456.0	441.9	431.6	411.0	395.6
152.5°	508.0	517.5	508.0	498.6	496.2	478.1	454.0	441.9	432.6	414.1	400.1
155°	492.9	499.2	492.9	486.6	485.1	470.6	451.5	441.9	434.8	420.6	410.0
157.5°	481.0	485.4	481.0	476.6	475.5	464.2	449.3	441.9	437.0	427.2	420.0
160°	473.8	476.4	473.8	471.3	470.7	461.1	448.3	441.9	438.0	430.2	424.4
162.5°	469.2	471.6	469.2	466.8	466.2	458.0	447.3	441.9	439.1	433.4	429.3
165°	462.5	465.0	462.5	460.0	459.3	453.5	445.7	441.9	440.6	438.1	436.1
167.5°	457.7	458.7	457.7	456.6	456.3	452.5	447.4	444.9	443.8	441.7	440.0
170°	456.3	456.3	456.3	456.3	456.3	452.5	447.4	444.9	444.8	444.7	444.6
172.5°	452.7	451.7	452.7	453.7	453.9	450.9	446.9	444.9	444.9	444.9	444.9
175°	450.6	450.6	450.6	450.6	450.6	448.6	446.1	444.9	445.4	446.7	447.6
177.5°	448.6	447.6	448.6	449.7	450.0	448.5	446.4	445.4	445.9	446.9	447.6
180°	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6



TEST NUMBER: P934784

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3
2.5°	1039.0	1033.1	1033.1	1023.4	1019.5	1016.6	1011.7	997.2	993.3	989.4	995.3
5°	1047.7	1037.0	1029.2	1011.7	997.2	991.4	973.0	938.1	914.8	897.4	887.7
7.5°	1049.6	1036.1	1021.4	994.3	959.4	943.9	887.7	823.7	806.3	790.8	781.1
10°	1047.7	1032.1	1011.7	971.0	888.7	861.5	805.3	763.7	753.0	750.1	753.0
12.5°	1040.9	1026.3	998.2	930.3	815.0	796.6	763.7	739.4	737.5	742.4	768.5
15°	1029.2	1015.6	982.7	876.1	774.3	760.8	737.5	728.8	739.4	773.4	851.8
17.5°	1017.5	1002.0	961.3	822.8	743.3	733.6	717.2	734.6	794.7	840.2	866.4
20°	1002.0	983.6	937.1	784.0	721.0	712.3	704.6	783.0	828.6	845.1	859.6
22.5°	983.6	964.3	904.2	756.9	697.8	691.0	695.8	810.2	828.6	840.2	852.8
25°	959.4	942.9	865.4	735.6	679.4	671.6	690.0	807.3	817.9	820.8	846.0
27.5°	937.1	915.8	824.7	716.2	657.1	654.2	694.9	794.7	802.4	805.3	832.5
30°	910.0	878.0	779.2	695.8	633.8	632.9	695.8	779.2	777.2	785.0	812.1
32.5°	881.9	821.8	727.8	670.6	611.5	610.6	689.1	755.9	754.0	764.6	785.0
35°	855.7	778.2	658.0	641.6	583.4	584.4	672.6	728.8	729.8	739.4	752.0
37.5°	828.6	740.4	581.5	609.6	556.3	556.3	650.3	703.6	701.7	704.6	722.0
40°	796.6	681.3	513.7	567.9	531.1	528.2	623.2	676.5	669.7	668.7	692.9
42.5°	762.7	616.4	463.3	512.7	502.0	498.2	590.2	643.5	630.9	633.8	664.8
45°	725.9	598.9	424.5	433.2	472.0	469.1	554.4	605.7	597.0	604.8	636.7
47.5°	689.1	564.1	411.9	359.6	440.0	439.1	514.6	568.9	564.1	571.8	605.7
50°	638.7	525.3	411.0	308.1	404.2	408.0	467.2	533.0	533.0	539.8	575.7
52.5°	573.7	477.8	373.2	279.1	362.5	374.1	425.5	502.0	504.0	510.8	542.7
55°	514.6	428.4	346.0	256.8	313.0	338.2	384.8	470.1	473.9	480.7	509.8
57.5°	460.4	356.7	340.1	230.6	267.4	291.7	348.9	439.1	441.0	446.8	474.9
60°	402.2	257.8	312.0	202.5	227.7	246.1	315.9	402.2	409.0	412.9	437.1
62.5°	336.2	187.0	282.9	183.1	208.3	212.2	288.8	367.3	376.1	379.0	393.5
65°	239.3	157.0	240.3	166.7	188.0	189.0	259.7	331.4	339.2	344.0	354.8
67.5°	161.8	127.9	183.1	151.2	172.5	173.5	231.6	289.7	300.4	304.3	311.0
70°	112.4	85.3	135.7	134.7	155.0	157.0	201.6	251.9	261.6	264.5	268.4
72.5°	82.4	68.8	112.4	121.1	136.6	138.6	170.5	209.3	219.0	221.9	223.8
75°	63.0	72.7	91.1	105.6	116.3	117.2	139.5	170.5	177.3	179.3	180.2
77.5°	50.4	67.8	66.9	85.3	95.0	93.0	109.5	131.8	137.6	137.6	137.6
80°	37.8	53.3	50.4	61.0	69.8	67.8	78.5	94.0	95.9	97.9	96.9
82.5°	28.1	33.9	33.9	38.8	46.5	44.6	52.3	61.0	61.0	61.0	63.0
85°	17.4	19.4	15.5	20.3	26.2	25.2	29.1	32.9	33.9	33.9	32.0
87.5°	10.7	8.7	4.8	7.8	11.6	11.6	13.6	14.5	13.6	13.6	13.6
90°	7.8	5.4	3.0	5.4	7.8	8.4	13.3	19.7	22.9	20.3	15.2
92.5°	52.8	32.5	12.0	32.5	52.8	57.9	81.5	112.9	128.6	112.7	80.9
95°	103.7	66.3	28.9	66.3	103.7	113.0	200.6	317.3	375.8	335.3	254.4
97.5°	115.8	82.8	49.9	82.8	115.8	124.0	270.2	464.9	562.3	536.7	485.7
100°	125.9	95.9	66.1	95.9	125.9	133.3	295.4	511.6	619.7	621.5	625.3
102.5°	135.7	107.8	79.9	107.8	135.7	142.6	307.1	526.4	636.0	668.5	733.6
105°	150.6	126.9	103.3	126.9	150.6	156.5	315.7	528.0	634.1	707.2	853.2
107.5°	171.4	149.4	127.3	149.4	171.4	176.9	317.3	504.5	598.1	699.9	903.6
110°	183.4	163.5	143.6	163.5	183.4	188.4	314.9	483.6	568.0	681.9	909.6



TEST NUMBER: P934784

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	197.4	178.5	159.5	178.5	197.4	202.1	315.0	465.5	540.7	657.3	890.3
115°	218.5	201.0	183.5	201.0	218.5	222.9	317.9	444.6	507.9	620.3	844.8
117.5°	239.1	223.2	207.3	223.2	239.1	243.0	323.8	431.5	485.4	586.7	789.3
120°	251.0	236.0	221.1	236.0	251.0	254.8	328.6	427.1	476.4	569.0	754.2
122.5°	264.7	249.7	234.6	249.7	264.7	268.5	335.5	424.8	469.5	552.8	719.6
125°	282.9	269.1	255.3	269.1	282.9	286.2	344.9	423.0	462.0	532.9	674.5
127.5°	299.9	286.0	272.2	286.0	299.9	303.4	354.2	421.9	455.7	516.6	638.2
130°	311.0	296.1	281.2	296.1	311.0	314.8	361.0	422.5	453.3	507.5	615.7
132.5°	320.4	305.4	290.5	305.4	320.4	324.1	366.5	423.0	451.2	499.6	596.6
135°	331.5	317.8	304.3	317.8	331.5	334.9	372.5	422.6	447.6	488.2	569.4
137.5°	345.4	331.9	318.4	331.9	345.4	348.7	381.5	425.2	447.0	481.3	549.9
140°	354.9	342.5	330.1	342.5	354.9	358.0	387.0	425.6	444.9	474.5	533.7
142.5°	362.0	350.6	339.2	350.6	362.0	364.9	391.6	427.1	444.9	470.9	523.0
145°	373.0	363.0	352.9	363.0	373.0	375.5	397.6	427.1	441.9	463.2	505.7
147.5°	386.2	376.5	366.8	376.5	386.2	388.7	406.4	430.0	441.9	458.6	492.2
150°	393.4	384.6	375.8	384.6	393.4	395.6	411.0	431.6	441.9	456.0	484.3
152.5°	398.5	391.8	385.1	391.8	398.5	400.1	414.1	432.6	441.9	454.0	478.1
155°	408.7	403.9	398.9	403.9	408.7	410.0	420.6	434.8	441.9	451.5	470.6
157.5°	418.8	414.0	409.1	414.0	418.8	420.0	427.2	437.0	441.9	449.3	464.2
160°	423.5	419.8	416.0	419.8	423.5	424.4	430.2	438.0	441.9	448.3	461.1
162.5°	428.6	425.8	423.0	425.8	428.6	429.3	433.4	439.1	441.9	447.3	458.0
165°	435.5	432.9	430.4	432.9	435.5	436.1	438.1	440.6	441.9	445.7	453.5
167.5°	439.7	438.5	437.3	438.5	439.7	440.0	441.7	443.8	444.9	447.4	452.5
170°	444.3	443.0	441.9	443.0	444.3	444.6	444.7	444.8	444.9	447.4	452.5
172.5°	444.8	444.6	444.3	444.6	444.8	444.9	444.9	444.9	444.9	446.9	450.9
175°	447.6	447.6	447.6	447.6	447.6	447.6	446.7	445.4	444.9	446.1	448.6
177.5°	447.6	447.6	447.6	447.6	447.6	447.6	446.9	445.9	445.4	446.4	448.5
180°	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6



TEST NUMBER: P934784

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3
2.5°	988.5	985.6	989.4	978.8	989.4	985.6	988.5	995.3	989.4	993.3	997.2
5°	867.4	862.5	847.0	834.4	847.0	862.5	867.4	887.7	897.4	914.8	938.1
7.5°	775.3	771.4	767.5	759.8	767.5	771.4	775.3	781.1	790.8	806.3	823.7
10°	754.9	755.9	761.7	760.8	761.7	755.9	754.9	753.0	750.1	753.0	763.7
12.5°	807.3	816.0	848.0	846.0	848.0	816.0	807.3	768.5	742.4	737.5	739.4
15°	867.4	870.3	877.0	878.0	877.0	870.3	867.4	851.8	773.4	739.4	728.8
17.5°	873.2	874.1	879.0	879.0	879.0	874.1	873.2	866.4	840.2	794.7	734.6
20°	868.3	870.3	879.9	881.9	879.9	870.3	868.3	859.6	845.1	828.6	783.0
22.5°	866.4	870.3	878.0	877.0	878.0	870.3	866.4	852.8	840.2	828.6	810.2
25°	856.7	856.7	857.7	858.6	857.7	856.7	856.7	846.0	820.8	817.9	807.3
27.5°	836.3	838.3	844.1	843.1	844.1	838.3	836.3	832.5	805.3	802.4	794.7
30°	817.9	816.0	811.1	807.3	811.1	816.0	817.9	812.1	785.0	777.2	779.2
32.5°	786.9	782.1	777.2	774.3	777.2	782.1	786.9	785.0	764.6	754.0	755.9
35°	750.1	751.1	750.1	747.2	750.1	751.1	750.1	752.0	739.4	729.8	728.8
37.5°	723.9	725.9	724.9	721.0	724.9	725.9	723.9	722.0	704.6	701.7	703.6
40°	696.8	697.8	696.8	693.9	696.8	697.8	696.8	692.9	668.7	669.7	676.5
42.5°	670.6	669.7	666.8	664.8	666.8	669.7	670.6	664.8	633.8	630.9	643.5
45°	640.6	641.6	635.8	632.9	635.8	641.6	640.6	636.7	604.8	597.0	605.7
47.5°	610.6	610.6	605.7	602.8	605.7	610.6	610.6	605.7	571.8	564.1	568.9
50°	578.6	577.6	570.8	569.9	570.8	577.6	578.6	575.7	539.8	533.0	533.0
52.5°	541.8	541.8	542.7	544.7	542.7	541.8	541.8	542.7	510.8	504.0	502.0
55°	509.8	510.8	517.5	519.5	517.5	510.8	509.8	509.8	480.7	473.9	470.1
57.5°	476.8	476.8	481.7	481.7	481.7	476.8	476.8	474.9	446.8	441.0	439.1
60°	439.1	441.0	444.9	443.9	444.9	441.0	439.1	437.1	412.9	409.0	402.2
62.5°	399.3	401.3	402.2	400.3	402.2	401.3	399.3	393.5	379.0	376.1	367.3
65°	357.7	359.6	360.6	358.6	360.6	359.6	357.7	354.8	344.0	339.2	331.4
67.5°	314.9	314.0	313.0	316.9	313.0	314.0	314.9	311.0	304.3	300.4	289.7
70°	271.3	271.3	270.4	272.3	270.4	271.3	271.3	268.4	264.5	261.6	251.9
72.5°	224.8	223.8	227.7	224.8	227.7	223.8	224.8	223.8	221.9	219.0	209.3
75°	179.3	181.2	179.3	182.2	179.3	181.2	179.3	180.2	179.3	177.3	170.5
77.5°	136.6	138.6	136.6	136.6	136.6	138.6	136.6	137.6	137.6	137.6	131.8
80°	96.9	95.9	95.9	95.0	95.9	95.9	96.9	96.9	97.9	95.9	94.0
82.5°	62.0	61.0	61.0	63.0	61.0	61.0	62.0	63.0	61.0	61.0	61.0
85°	33.9	34.9	32.9	32.9	32.9	34.9	33.9	32.0	33.9	33.9	32.9
87.5°	12.6	11.6	11.6	11.6	11.6	11.6	12.6	13.6	13.6	13.6	14.5
90°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	15.2	20.3	22.9	19.7
92.5°	57.1	54.8	45.7	36.6	45.7	54.8	57.1	80.9	112.7	128.6	112.9
95°	193.7	186.8	159.4	131.9	159.4	186.8	193.7	254.4	335.3	375.8	317.3
97.5°	447.3	434.2	381.9	329.6	381.9	434.2	447.3	485.7	536.7	562.3	464.9
100°	628.1	612.5	550.2	487.8	550.2	612.5	628.1	625.3	621.5	619.7	511.6
102.5°	782.5	769.1	715.7	662.3	715.7	769.1	782.5	733.6	668.5	636.0	526.4
105°	962.7	955.5	926.8	898.2	926.8	955.5	962.7	853.2	707.2	634.1	528.0
107.5°	1056.4	1058.1	1065.1	1072.1	1065.1	1058.1	1056.4	903.6	699.9	598.1	504.5
110°	1080.4	1087.9	1117.8	1147.8	1117.8	1087.9	1080.4	909.6	681.9	568.0	483.6



TEST NUMBER: P934784

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1065.1	1076.7	1122.6	1168.5	1122.6	1076.7	1065.1	890.3	657.3	540.7	465.5
115°	1013.2	1029.1	1092.8	1156.5	1092.8	1029.1	1013.2	844.8	620.3	507.9	444.6
117.5°	941.4	959.0	1029.7	1100.3	1029.7	959.0	941.4	789.3	586.7	485.4	431.5
120°	893.0	910.2	978.8	1047.4	978.8	910.2	893.0	754.2	569.0	476.4	427.1
122.5°	844.7	861.6	929.3	997.0	929.3	861.6	844.7	719.6	552.8	469.5	424.8
125°	780.7	796.3	858.6	920.9	858.6	796.3	780.7	674.5	532.9	462.0	423.0
127.5°	729.4	742.5	795.1	847.7	795.1	742.5	729.4	638.2	516.6	455.7	421.9
130°	696.9	709.0	757.7	806.2	757.7	709.0	696.9	615.7	507.5	453.3	422.5
132.5°	669.3	680.1	723.6	767.2	723.6	680.1	669.3	596.6	499.6	451.2	423.0
135°	630.2	639.6	677.1	714.6	677.1	639.6	630.2	569.4	488.2	447.6	422.6
137.5°	601.4	609.0	639.7	670.5	639.7	609.0	601.4	549.9	481.3	447.0	425.2
140°	578.2	585.4	614.2	642.8	614.2	585.4	578.2	533.7	474.5	444.9	425.6
142.5°	562.0	568.2	592.8	617.5	592.8	568.2	562.0	523.0	470.9	444.9	427.1
145°	537.7	542.3	561.1	579.8	561.1	542.3	537.7	505.7	463.2	441.9	427.1
147.5°	517.3	521.1	536.6	552.1	536.6	521.1	517.3	492.2	458.6	441.9	430.0
150°	505.5	508.6	521.2	533.8	521.2	508.6	505.5	484.3	456.0	441.9	431.6
152.5°	496.2	498.6	508.0	517.5	508.0	498.6	496.2	478.1	454.0	441.9	432.6
155°	485.1	486.6	492.9	499.2	492.9	486.6	485.1	470.6	451.5	441.9	434.8
157.5°	475.5	476.6	481.0	485.4	481.0	476.6	475.5	464.2	449.3	441.9	437.0
160°	470.7	471.3	473.8	476.4	473.8	471.3	470.7	461.1	448.3	441.9	438.0
162.5°	466.2	466.8	469.2	471.6	469.2	466.8	466.2	458.0	447.3	441.9	439.1
165°	459.3	460.0	462.5	465.0	462.5	460.0	459.3	453.5	445.7	441.9	440.6
167.5°	456.3	456.6	457.7	458.7	457.7	456.6	456.3	452.5	447.4	444.9	443.8
170°	456.3	456.3	456.3	456.3	456.3	456.3	456.3	452.5	447.4	444.9	444.8
172.5°	453.9	453.7	452.7	451.7	452.7	453.7	453.9	450.9	446.9	444.9	444.9
175°	450.6	450.6	450.6	450.6	450.6	450.6	450.6	448.6	446.1	444.9	445.4
177.5°	450.0	449.7	448.6	447.6	448.6	449.7	450.0	448.5	446.4	445.4	445.9
180°	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6



TEST NUMBER: P934784

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1024.3	1024.3	1024.3	1024.3	1024.3
2.5°	1011.7	1016.6	1019.5	1023.4	1033.1
5°	973.0	991.4	997.2	1011.7	1029.2
7.5°	887.7	943.9	959.4	994.3	1021.4
10°	805.3	861.5	888.7	971.0	1011.7
12.5°	763.7	796.6	815.0	930.3	998.2
15°	737.5	760.8	774.3	876.1	982.7
17.5°	717.2	733.6	743.3	822.8	961.3
20°	704.6	712.3	721.0	784.0	937.1
22.5°	695.8	691.0	697.8	756.9	904.2
25°	690.0	671.6	679.4	735.6	865.4
27.5°	694.9	654.2	657.1	716.2	824.7
30°	695.8	632.9	633.8	695.8	779.2
32.5°	689.1	610.6	611.5	670.6	727.8
35°	672.6	584.4	583.4	641.6	658.0
37.5°	650.3	556.3	556.3	609.6	581.5
40°	623.2	528.2	531.1	567.9	513.7
42.5°	590.2	498.2	502.0	512.7	463.3
45°	554.4	469.1	472.0	433.2	424.5
47.5°	514.6	439.1	440.0	359.6	411.9
50°	467.2	408.0	404.2	308.1	411.0
52.5°	425.5	374.1	362.5	279.1	373.2
55°	384.8	338.2	313.0	256.8	346.0
57.5°	348.9	291.7	267.4	230.6	340.1
60°	315.9	246.1	227.7	202.5	312.0
62.5°	288.8	212.2	208.3	183.1	282.9
65°	259.7	189.0	188.0	166.7	240.3
67.5°	231.6	173.5	172.5	151.2	183.1
70°	201.6	157.0	155.0	134.7	135.7
72.5°	170.5	138.6	136.6	121.1	112.4
75°	139.5	117.2	116.3	105.6	91.1
77.5°	109.5	93.0	95.0	85.3	66.9
80°	78.5	67.8	69.8	61.0	50.4
82.5°	52.3	44.6	46.5	38.8	33.9
85°	29.1	25.2	26.2	20.3	15.5
87.5°	13.6	11.6	11.6	7.8	4.8
90°	13.3	8.4	7.8	5.4	3.0
92.5°	81.5	57.9	52.8	32.5	12.0
95°	200.6	113.0	103.7	66.3	28.9
97.5°	270.2	124.0	115.8	82.8	49.9
100°	295.4	133.3	125.9	95.9	66.1
102.5°	307.1	142.6	135.7	107.8	79.9
105°	315.7	156.5	150.6	126.9	103.3
107.5°	317.3	176.9	171.4	149.4	127.3
110°	314.9	188.4	183.4	163.5	143.6



TEST NUMBER: P934784

CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-4-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	315.0	202.1	197.4	178.5	159.5
115°	317.9	222.9	218.5	201.0	183.5
117.5°	323.8	243.0	239.1	223.2	207.3
120°	328.6	254.8	251.0	236.0	221.1
122.5°	335.5	268.5	264.7	249.7	234.6
125°	344.9	286.2	282.9	269.1	255.3
127.5°	354.2	303.4	299.9	286.0	272.2
130°	361.0	314.8	311.0	296.1	281.2
132.5°	366.5	324.1	320.4	305.4	290.5
135°	372.5	334.9	331.5	317.8	304.3
137.5°	381.5	348.7	345.4	331.9	318.4
140°	387.0	358.0	354.9	342.5	330.1
142.5°	391.6	364.9	362.0	350.6	339.2
145°	397.6	375.5	373.0	363.0	352.9
147.5°	406.4	388.7	386.2	376.5	366.8
150°	411.0	395.6	393.4	384.6	375.8
152.5°	414.1	400.1	398.5	391.8	385.1
155°	420.6	410.0	408.7	403.9	398.9
157.5°	427.2	420.0	418.8	414.0	409.1
160°	430.2	424.4	423.5	419.8	416.0
162.5°	433.4	429.3	428.6	425.8	423.0
165°	438.1	436.1	435.5	432.9	430.4
167.5°	441.7	440.0	439.7	438.5	437.3
170°	444.7	444.6	444.3	443.0	441.9
172.5°	444.9	444.9	444.8	444.6	444.3
175°	446.7	447.6	447.6	447.6	447.6
177.5°	446.9	447.6	447.6	447.6	447.6
180°	447.6	447.6	447.6	447.6	447.6



TEST NUMBER: P934784
 CATALOG NUMBER: SQ4-FA-075U-075D-B2750-1D-UNV-STD-W-4-3500K

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	12.41	13.25	13.39	14.24	15.54	15.21	16.05	16.18	17.04	18.34
	3H	12.89	13.64	13.87	14.64	15.96	16.54	17.30	17.53	18.30	19.62
	4H	13.08	13.79	14.08	14.79	16.12	16.98	17.69	17.98	18.70	20.03
	6H	13.20	13.85	14.21	14.86	16.20	17.26	17.91	18.27	18.92	20.26
	8H	13.20	13.82	14.21	14.85	16.19	17.32	17.95	18.34	18.97	20.32
	12H	13.17	13.76	14.19	14.78	16.14	17.36	17.95	18.38	18.97	20.34
4H	2H	13.43	14.15	14.44	15.15	16.48	15.62	16.33	16.62	17.33	18.67
	3H	14.46	15.05	15.47	16.08	17.43	17.11	17.71	18.13	18.74	20.08
	4H	14.73	15.28	15.76	16.30	17.67	17.63	18.18	18.65	19.20	20.57
	6H	14.86	15.33	15.89	16.37	17.74	17.99	18.46	19.02	19.50	20.87
	8H	14.86	15.30	15.90	16.34	17.72	18.09	18.53	19.12	19.57	20.95
	12H	14.83	15.22	15.88	16.28	17.66	18.14	18.53	19.19	19.59	20.97
8H	4H	15.18	15.62	16.22	16.66	18.04	17.76	18.19	18.79	19.23	20.61
	6H	15.44	15.80	16.50	16.88	18.26	18.18	18.54	19.24	19.63	21.00
	8H	15.48	15.80	16.55	16.87	18.26	18.33	18.65	19.40	19.71	21.11
	12H	15.47	15.75	16.54	16.81	18.25	18.42	18.70	19.49	19.76	21.20
12H	4H	15.18	15.58	16.24	16.63	18.02	17.72	18.11	18.77	19.17	20.55
	6H	15.50	15.82	16.57	16.88	18.28	18.18	18.50	19.25	19.56	20.96
	8H	15.57	15.85	16.64	16.91	18.34	18.34	18.61	19.41	19.68	21.11