

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: P934128

Luminaire Tested: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934128
REPORT IS A COMBINATION OF REPORTS P933685 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

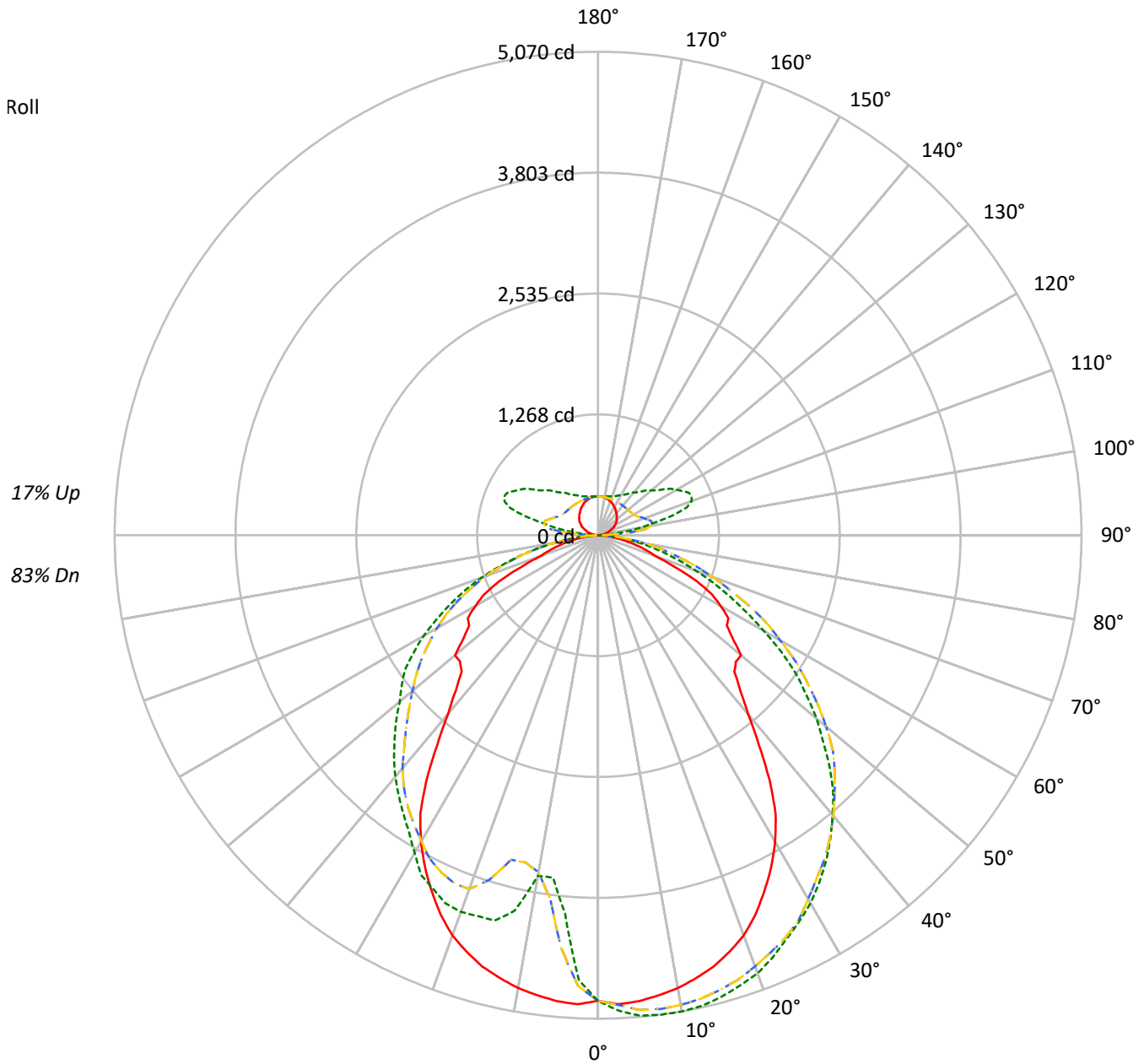
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15297.3 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 148.8
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: P934128
CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-4000K

Luminous Intensity Polar Plot



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



TEST NUMBER: P934128

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-4000K

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	0
RCR																					
0	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	86	86	86	83
1	105	101	97	93	101	97	93	90	89	87	84	83	80	78	76	75	73	73	73	73	70
2	96	88	82	76	92	85	79	74	78	74	70	73	69	66	67	64	62	62	62	62	59
3	88	78	70	64	84	75	68	62	69	63	59	64	60	56	60	56	52	52	52	52	50
4	80	69	60	54	77	66	59	53	62	55	50	57	52	48	53	49	45	45	45	45	43
5	74	61	53	46	70	59	51	45	55	49	43	52	46	41	48	43	39	39	39	39	37
6	68	55	47	40	65	53	45	40	50	43	38	47	41	36	44	39	35	35	35	35	32
7	63	50	42	36	60	48	41	35	45	39	34	42	37	32	40	35	31	31	31	31	29
8	59	46	37	32	56	44	36	31	41	35	30	39	33	29	37	31	28	28	28	28	26
9	55	42	34	28	52	40	33	28	38	32	27	36	30	26	34	29	25	25	25	25	23
10	51	38	31	26	49	37	30	25	35	29	24	33	28	24	31	26	23	23	23	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15098	15098	15098	15098
5°	15216	15240	15216	11984
10°	15120	15012	15120	10733
15°	14961	14687	14961	12264
20°	14654	14302	14654	12290
25°	14019	13740	14019	12029
30°	13197	13273	13197	11458
35°	11771	12683	11771	10829
40°	9814	11988	9814	10354
45°	8774	11175	8774	9808
50°	9329	10205	9329	9260
55°	8785	9160	8785	8943
60°	9068	7780	9068	8191
65°	8234	6432	8234	7189
70°	5716	5125	5716	6026
75°	5031	3789	5031	4537
80°	4084	2505	4084	2727
85°	2395	1327	2395	1128

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13439 cd/sqm



TEST NUMBER: P934128

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.6	2.9
10°-20°	1251.0	8.2
20°-30°	1933.8	12.6
30°-40°	2308.6	15.1
40°-50°	2322.1	15.2
50°-60°	2020.5	13.2
60°-70°	1432.6	9.4
70°-80°	757.9	5.0
80°-90°	190.3	1.2
90°-100°	198.5	1.3
100°-110°	521.9	3.4
110°-120°	541.2	3.5
120°-130°	434.1	2.8
130°-140°	340.6	2.2
140°-150°	261.4	1.7
150°-160°	188.3	1.2
160°-170°	115.2	0.8
170°-180°	38.9	0.3
0°-30°	3625.4	23.7
0°-40°	5934.0	38.8
0°-60°	10276.5	67.2
0°-90°	12657.3	82.7
90°-120°	1261.6	8.2
90°-150°	2297.6	15.0
90°-180°	2640.0	17.3
0°-180°	15297.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4881	4881	4881	4881	4881	
5°	4904	5057	4904	3976	4904	465
15°	4682	5010	4682	4184	4682	1317
25°	4124	4673	4124	4092	4124	1893
35°	3136	4170	3136	3560	3136	1940
45°	2023	3436	2023	3015	2023	1620
55°	1648	2535	1648	2475	1648	1515
65°	1145	1529	1145	1709	1145	1095
75°	434	725	434	868	434	456
85°	74	185	74	157	74	100
90°	3	10	3	10	3	5
95°	26	120	26	120	26	29
105°	94	817	94	817	94	100
115°	167	1052	167	1052	167	165
125°	232	838	232	838	232	206
135°	277	650	277	650	277	214
145°	321	528	321	528	321	201
155°	363	454	363	454	363	167
165°	392	423	392	423	392	111
175°	407	410	407	410	407	39
180°	407	407	407	407	407	



TEST NUMBER: P934128

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1
2.5°	4922.7	4922.7	4950.3	4959.6	4959.6	4945.7	4931.9	4945.7	4987.3	5001.2	4996.5
5°	4904.1	4941.1	4991.9	5001.2	5010.4	5005.7	4996.5	5005.7	5051.9	5061.2	5065.8
7.5°	4867.2	4936.5	5001.2	5015.0	5028.8	5015.0	5010.4	5019.6	5065.8	5075.0	5075.0
10°	4821.1	4918.0	4991.9	5001.2	5015.0	5001.2	5001.2	5019.6	5065.8	5075.0	5079.7
12.5°	4756.4	4890.3	4959.6	4968.8	4987.3	4982.6	4978.1	4996.5	5042.7	5051.9	5051.9
15°	4682.5	4839.5	4904.1	4913.4	4945.7	4936.5	4936.5	4955.0	5005.7	5019.6	5015.0
17.5°	4580.9	4774.9	4848.7	4862.6	4885.7	4881.1	4885.7	4904.1	4950.3	4959.6	4964.2
20°	4465.5	4687.1	4774.9	4788.7	4811.8	4811.8	4811.8	4834.9	4881.1	4899.6	4899.6
22.5°	4308.5	4594.8	4687.1	4696.4	4724.1	4724.1	4733.3	4765.6	4807.2	4811.8	4811.8
25°	4123.7	4493.2	4571.7	4599.4	4627.1	4641.0	4654.8	4673.3	4687.1	4682.5	4687.1
27.5°	3929.8	4363.9	4465.5	4484.0	4520.9	4534.7	4553.2	4557.8	4562.5	4576.3	4567.1
30°	3712.8	4183.8	4336.1	4354.6	4414.7	4423.9	4405.5	4414.7	4437.8	4447.0	4456.2
32.5°	3468.0	3916.0	4202.3	4243.8	4299.2	4271.6	4266.9	4280.8	4317.7	4317.7	4327.0
35°	3135.5	3708.1	4077.5	4114.5	4156.0	4123.7	4142.2	4146.9	4170.0	4183.8	4179.1
37.5°	2770.8	3528.0	3948.3	3976.0	4008.3	3966.7	3994.5	4008.3	4026.8	4017.5	4017.5
40°	2447.5	3246.3	3795.9	3814.4	3842.0	3809.7	3837.5	3846.7	3856.0	3846.7	3842.0
42.5°	2207.3	2936.9	3634.3	3657.4	3638.9	3661.9	3671.2	3689.7	3675.8	3657.4	3657.4
45°	2022.6	2853.8	3458.8	3486.5	3458.8	3495.7	3509.6	3509.6	3468.0	3458.8	3454.2
47.5°	1962.6	2687.6	3283.3	3283.3	3269.4	3315.6	3338.7	3306.3	3264.9	3251.0	3251.0
50°	1958.0	2502.9	3043.2	3024.7	3089.3	3144.8	3121.7	3089.3	3057.0	3006.3	3006.3
52.5°	1777.9	2276.6	2733.7	2803.0	2904.7	2936.9	2900.0	2867.7	2812.2	2789.2	2770.8
55°	1648.5	2041.1	2452.1	2590.6	2696.8	2738.4	2669.1	2636.8	2553.7	2539.8	2530.6
57.5°	1620.9	1699.4	2193.5	2369.0	2498.2	2493.7	2452.1	2392.1	2322.8	2308.9	2304.3
60°	1487.0	1228.4	1916.4	2124.2	2258.2	2244.3	2207.3	2151.9	2087.3	2078.1	2068.8
62.5°	1348.4	891.3	1602.4	1837.9	2027.2	2022.6	1990.3	1907.1	1861.0	1837.9	1819.5
65°	1145.2	748.1	1140.6	1528.6	1801.0	1810.2	1741.0	1680.9	1630.1	1602.4	1597.8
67.5°	872.8	609.5	771.2	1274.5	1584.0	1574.7	1487.0	1459.2	1394.6	1380.7	1353.0
70°	646.5	406.3	535.7	1034.4	1371.5	1348.4	1279.1	1246.8	1186.8	1154.4	1136.0
72.5°	535.7	327.8	392.5	803.5	1154.4	1126.8	1066.7	1029.8	979.0	951.3	932.8
75°	434.1	346.3	300.2	595.7	937.4	918.9	863.5	826.6	785.0	748.1	752.7
77.5°	318.6	323.3	240.1	438.7	743.4	715.8	683.4	637.3	618.8	581.9	581.9
80°	240.1	254.0	180.1	300.2	535.7	535.7	507.9	475.6	443.4	424.8	424.8
82.5°	161.6	161.6	133.9	189.3	364.9	350.9	332.5	323.3	304.8	295.5	295.5
85°	73.9	92.3	83.1	115.4	198.6	207.8	207.8	198.6	193.9	184.7	189.3
87.5°	23.1	41.6	50.8	64.7	101.6	106.2	110.8	110.8	110.8	115.4	115.4
90°	2.7	4.9	7.1	7.6	12.0	17.8	20.7	18.5	13.8	10.4	10.4
92.5°	10.9	29.5	48.1	52.8	74.1	102.7	117.0	102.5	73.6	51.9	49.8
95°	26.2	60.2	94.2	102.8	182.5	288.8	341.9	305.1	231.5	176.3	170.0
97.5°	45.4	75.4	105.4	112.9	245.8	423.1	511.7	488.4	441.9	407.0	395.1
100°	60.1	87.3	114.5	121.3	268.9	465.6	563.9	565.6	569.0	571.5	557.3
102.5°	72.7	98.1	123.4	129.8	279.4	478.9	578.6	608.3	667.5	712.0	699.8
105°	94.1	115.5	137.0	142.4	287.3	480.4	577.0	643.4	776.3	876.0	869.4
107.5°	115.9	135.9	156.0	161.0	288.7	459.0	544.1	636.8	822.2	961.3	962.9
110°	130.6	148.7	166.8	171.4	286.5	440.1	516.9	620.5	827.7	983.1	990.0



TEST NUMBER: P934128

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	145.2	162.4	179.7	183.9	286.6	423.5	492.0	598.1	810.1	969.2	979.7
115°	167.0	182.9	198.8	202.8	289.3	404.5	462.2	564.3	768.6	921.9	936.4
117.5°	188.6	203.0	217.5	221.1	294.6	392.7	441.7	534.0	718.3	856.6	872.7
120°	201.1	214.8	228.4	231.8	299.0	388.6	433.4	517.7	686.2	812.6	828.2
122.5°	213.5	227.2	240.9	244.3	305.3	386.5	427.2	503.0	654.8	768.6	783.9
125°	232.3	244.9	257.4	260.5	313.8	384.9	420.3	484.7	613.6	710.3	724.5
127.5°	247.6	260.2	272.9	276.1	322.3	383.9	414.6	469.9	580.6	663.6	675.6
130°	255.8	269.4	283.1	286.4	328.5	384.4	412.4	461.7	560.2	634.1	645.2
132.5°	264.3	277.9	291.5	294.9	333.5	384.9	410.5	454.6	542.9	609.0	618.9
135°	276.9	289.3	301.6	304.7	338.9	384.5	407.2	444.2	518.0	573.4	582.0
137.5°	289.7	302.0	314.2	317.3	347.1	386.9	406.7	437.9	500.3	547.1	554.2
140°	300.4	311.6	323.0	325.8	352.1	387.2	404.8	431.7	485.7	526.1	532.7
142.5°	308.5	319.0	329.5	332.1	356.3	388.6	404.8	428.4	475.8	511.4	517.0
145°	321.2	330.3	339.4	341.7	361.8	388.6	402.1	421.4	460.2	489.2	493.5
147.5°	333.7	342.6	351.5	353.7	369.8	391.3	402.1	417.3	447.8	470.6	474.2
150°	341.9	349.9	357.9	359.9	374.0	392.7	402.1	415.0	440.7	460.0	462.8
152.5°	350.4	356.5	362.5	364.0	376.7	393.6	402.1	413.1	435.1	451.5	453.7
155°	362.9	367.4	372.0	373.0	382.7	395.6	402.1	410.8	428.3	441.4	442.9
157.5°	372.2	376.6	381.0	382.1	388.8	397.6	402.1	408.9	422.4	432.6	433.6
160°	378.6	382.0	385.4	386.2	391.5	398.5	402.1	407.9	419.5	428.3	428.8
162.5°	384.9	387.4	390.0	390.6	394.4	399.5	402.1	407.0	416.8	424.2	424.7
165°	391.7	394.0	396.3	396.9	398.6	400.9	402.1	405.6	412.6	417.9	418.4
167.5°	398.0	399.1	400.1	400.4	401.9	403.8	404.8	407.1	411.7	415.2	415.4
170°	402.1	403.2	404.2	404.5	404.6	404.7	404.8	407.1	411.7	415.2	415.2
172.5°	404.2	404.5	404.7	404.8	404.8	404.8	404.8	406.6	410.2	413.0	412.8
175°	407.2	407.2	407.2	407.2	406.4	405.3	404.8	406.0	408.2	410.0	410.0
177.5°	407.2	407.2	407.2	407.2	406.6	405.8	405.3	406.2	408.1	409.4	409.2
180°	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2



TEST NUMBER: P934128

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1
2.5°	5005.7	4991.9	5005.7	4996.5	5001.2	4987.3	4945.7	4931.9	4945.7	4959.6	4959.6
5°	5065.8	5056.6	5065.8	5065.8	5061.2	5051.9	5005.7	4996.5	5005.7	5010.4	5001.2
7.5°	5084.2	5070.4	5084.2	5075.0	5075.0	5065.8	5019.6	5010.4	5015.0	5028.8	5015.0
10°	5084.2	5070.4	5084.2	5079.7	5075.0	5065.8	5019.6	5001.2	5001.2	5015.0	5001.2
12.5°	5061.2	5051.9	5061.2	5051.9	5051.9	5042.7	4996.5	4978.1	4982.6	4987.3	4968.8
15°	5024.2	5010.4	5024.2	5015.0	5019.6	5005.7	4955.0	4936.5	4936.5	4945.7	4913.4
17.5°	4968.8	4950.3	4968.8	4964.2	4959.6	4950.3	4904.1	4885.7	4881.1	4885.7	4862.6
20°	4904.1	4890.3	4904.1	4899.6	4899.6	4881.1	4834.9	4811.8	4811.8	4811.8	4788.7
22.5°	4802.6	4788.7	4802.6	4811.8	4811.8	4807.2	4765.6	4733.3	4724.1	4724.1	4696.4
25°	4687.1	4673.3	4687.1	4687.1	4682.5	4687.1	4673.3	4654.8	4641.0	4627.1	4599.4
27.5°	4576.3	4567.1	4576.3	4567.1	4576.3	4562.5	4557.8	4553.2	4534.7	4520.9	4484.0
30°	4465.5	4456.2	4465.5	4456.2	4447.0	4437.8	4414.7	4405.5	4423.9	4414.7	4354.6
32.5°	4327.0	4317.7	4327.0	4327.0	4317.7	4317.7	4280.8	4266.9	4271.6	4299.2	4243.8
35°	4183.8	4170.0	4183.8	4179.1	4183.8	4170.0	4146.9	4142.2	4123.7	4156.0	4114.5
37.5°	4017.5	4003.7	4017.5	4017.5	4017.5	4026.8	4008.3	3994.5	3966.7	4008.3	3976.0
40°	3846.7	3828.2	3846.7	3842.0	3846.7	3856.0	3846.7	3837.5	3809.7	3842.0	3814.4
42.5°	3652.7	3648.1	3652.7	3657.4	3657.4	3675.8	3689.7	3671.2	3661.9	3638.9	3657.4
45°	3444.9	3435.7	3444.9	3454.2	3458.8	3468.0	3509.6	3509.6	3495.7	3458.8	3486.5
47.5°	3223.3	3200.2	3223.3	3251.0	3251.0	3264.9	3306.3	3338.7	3315.6	3269.4	3283.3
50°	2987.8	2992.3	2987.8	3006.3	3006.3	3057.0	3089.3	3121.7	3144.8	3089.3	3024.7
52.5°	2756.8	2752.3	2756.8	2770.8	2789.2	2812.2	2867.7	2900.0	2936.9	2904.7	2803.0
55°	2526.0	2535.2	2526.0	2530.6	2539.8	2553.7	2636.8	2669.1	2738.4	2696.8	2590.6
57.5°	2295.1	2281.2	2295.1	2304.3	2308.9	2322.8	2392.1	2452.1	2493.7	2498.2	2369.0
60°	2027.2	2008.8	2027.2	2068.8	2078.1	2087.3	2151.9	2207.3	2244.3	2258.2	2124.2
62.5°	1791.7	1759.4	1791.7	1819.5	1837.9	1861.0	1907.1	1990.3	2022.6	2027.2	1837.9
65°	1542.4	1528.6	1542.4	1597.8	1602.4	1630.1	1680.9	1741.0	1810.2	1801.0	1528.6
67.5°	1316.1	1316.1	1316.1	1353.0	1380.7	1394.6	1459.2	1487.0	1574.7	1584.0	1274.5
70°	1108.3	1103.7	1108.3	1136.0	1154.4	1186.8	1246.8	1279.1	1348.4	1371.5	1034.4
72.5°	909.7	905.1	909.7	932.8	951.3	979.0	1029.8	1066.7	1126.8	1154.4	803.5
75°	734.3	725.0	734.3	752.7	748.1	785.0	826.6	863.5	918.9	937.4	595.7
77.5°	563.3	563.3	563.3	581.9	581.9	618.8	637.3	683.4	715.8	743.4	438.7
80°	420.3	415.6	420.3	424.8	424.8	443.4	475.6	507.9	535.7	535.7	300.2
82.5°	295.5	286.3	295.5	295.5	295.5	304.8	323.3	332.5	350.9	364.9	189.3
85°	184.7	184.7	184.7	189.3	184.7	193.9	198.6	207.8	207.8	198.6	115.4
87.5°	120.1	115.4	120.1	115.4	115.4	110.8	110.8	110.8	106.2	101.6	64.7
90°	10.4	10.4	10.4	10.4	10.4	13.8	18.5	20.7	17.8	12.0	7.6
92.5°	41.7	33.4	41.7	49.8	51.9	73.6	102.5	117.0	102.7	74.1	52.8
95°	145.0	120.0	145.0	170.0	176.3	231.5	305.1	341.9	288.8	182.5	102.8
97.5°	347.5	299.8	347.5	395.1	407.0	441.9	488.4	511.7	423.1	245.8	112.9
100°	500.7	443.9	500.7	557.3	571.5	569.0	565.6	563.9	465.6	268.9	121.3
102.5°	651.2	602.6	651.2	699.8	712.0	667.5	608.3	578.6	478.9	279.4	129.8
105°	843.3	817.2	843.3	869.4	876.0	776.3	643.4	577.0	480.4	287.3	142.4
107.5°	969.2	975.5	969.2	962.9	961.3	822.2	636.8	544.1	459.0	288.7	161.0
110°	1017.2	1044.4	1017.2	990.0	983.1	827.7	620.5	516.9	440.1	286.5	171.4



TEST NUMBER: P934128

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1021.4	1063.2	1021.4	979.7	969.2	810.1	598.1	492.0	423.5	286.6	183.9
115°	994.3	1052.3	994.3	936.4	921.9	768.6	564.3	462.2	404.5	289.3	202.8
117.5°	936.9	1001.1	936.9	872.7	856.6	718.3	534.0	441.7	392.7	294.6	221.1
120°	890.6	953.0	890.6	828.2	812.6	686.2	517.7	433.4	388.6	299.0	231.8
122.5°	845.6	907.2	845.6	783.9	768.6	654.8	503.0	427.2	386.5	305.3	244.3
125°	781.2	838.0	781.2	724.5	710.3	613.6	484.7	420.3	384.9	313.8	260.5
127.5°	723.4	771.3	723.4	675.6	663.6	580.6	469.9	414.6	383.9	322.3	276.1
130°	689.4	733.6	689.4	645.2	634.1	560.2	461.7	412.4	384.4	328.5	286.4
132.5°	658.5	698.1	658.5	618.9	609.0	542.9	454.6	410.5	384.9	333.5	294.9
135°	616.1	650.2	616.1	582.0	573.4	518.0	444.2	407.2	384.5	338.9	304.7
137.5°	582.1	610.1	582.1	554.2	547.1	500.3	437.9	406.7	386.9	347.1	317.3
140°	558.8	584.9	558.8	532.7	526.1	485.7	431.7	404.8	387.2	352.1	325.8
142.5°	539.5	562.0	539.5	517.0	511.4	475.8	428.4	404.8	388.6	356.3	332.1
145°	510.5	527.5	510.5	493.5	489.2	460.2	421.4	402.1	388.6	361.8	341.7
147.5°	488.3	502.4	488.3	474.2	470.6	447.8	417.3	402.1	391.3	369.8	353.7
150°	474.3	485.7	474.3	462.8	460.0	440.7	415.0	402.1	392.7	374.0	359.9
152.5°	462.3	470.9	462.3	453.7	451.5	435.1	413.1	402.1	393.6	376.7	364.0
155°	448.5	454.3	448.5	442.9	441.4	428.3	410.8	402.1	395.6	382.7	373.0
157.5°	437.7	441.7	437.7	433.6	432.6	422.4	408.9	402.1	397.6	388.8	382.1
160°	431.2	433.4	431.2	428.8	428.3	419.5	407.9	402.1	398.5	391.5	386.2
162.5°	426.9	429.1	426.9	424.7	424.2	416.8	407.0	402.1	399.5	394.4	390.6
165°	420.8	423.1	420.8	418.4	417.9	412.6	405.6	402.1	400.9	398.6	396.9
167.5°	416.3	417.3	416.3	415.4	415.2	411.7	407.1	404.8	403.8	401.9	400.4
170°	415.2	415.2	415.2	415.2	415.2	411.7	407.1	404.8	404.7	404.6	404.5
172.5°	411.9	411.1	411.9	412.8	413.0	410.2	406.6	404.8	404.8	404.8	404.8
175°	410.0	410.0	410.0	410.0	410.0	408.2	406.0	404.8	405.3	406.4	407.2
177.5°	408.2	407.2	408.2	409.2	409.4	408.1	406.2	405.3	405.8	406.6	407.2
180°	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2



TEST NUMBER: P934128

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1
2.5°	4950.3	4922.7	4922.7	4876.5	4858.0	4844.2	4821.1	4751.8	4733.3	4714.8	4742.6
5°	4991.9	4941.1	4904.1	4821.1	4751.8	4724.1	4636.3	4470.0	4359.3	4276.1	4230.0
7.5°	5001.2	4936.5	4867.2	4737.9	4571.7	4497.8	4230.0	3925.2	3842.0	3768.2	3722.0
10°	4991.9	4918.0	4821.1	4627.1	4234.5	4105.3	3837.5	3638.9	3588.1	3574.2	3588.1
12.5°	4959.6	4890.3	4756.4	4433.1	3883.6	3795.9	3638.9	3523.4	3514.2	3537.3	3661.9
15°	4904.1	4839.5	4682.5	4174.5	3689.7	3625.0	3514.2	3472.6	3523.4	3685.0	4059.1
17.5°	4848.7	4774.9	4580.9	3920.5	3541.9	3495.7	3417.2	3500.4	3786.6	4003.7	4128.4
20°	4774.9	4687.1	4465.5	3735.9	3435.7	3394.1	3357.2	3731.2	3948.3	4026.8	4096.0
22.5°	4687.1	4594.8	4308.5	3606.5	3324.9	3292.5	3315.6	3860.5	3948.3	4003.7	4063.7
25°	4571.7	4493.2	4123.7	3504.9	3237.1	3200.2	3287.9	3846.7	3897.4	3911.3	4031.4
27.5°	4465.5	4363.9	3929.8	3412.6	3130.9	3117.1	3311.0	3786.6	3823.6	3837.5	3966.7
30°	4336.1	4183.8	3712.8	3315.6	3020.1	3015.4	3315.6	3712.8	3703.5	3740.4	3869.8
32.5°	4202.3	3916.0	3468.0	3195.6	2913.8	2909.3	3283.3	3601.9	3592.7	3643.5	3740.4
35°	4077.5	3708.1	3135.5	3057.0	2779.9	2784.6	3204.8	3472.6	3477.3	3523.4	3583.4
37.5°	3948.3	3528.0	2770.8	2904.7	2650.7	2650.7	3098.6	3352.6	3343.4	3357.2	3440.3
40°	3795.9	3246.3	2447.5	2706.1	2530.6	2516.7	2969.3	3223.3	3190.9	3186.4	3301.8
42.5°	3634.3	2936.9	2207.3	2442.8	2392.1	2373.6	2812.2	3066.3	3006.3	3020.1	3167.8
45°	3458.8	2853.8	2022.6	2064.1	2248.9	2235.1	2641.4	2886.2	2844.6	2881.5	3033.9
47.5°	3283.3	2687.6	1962.6	1713.2	2096.5	2091.9	2452.1	2710.7	2687.6	2724.5	2886.2
50°	3043.2	2502.9	1958.0	1468.5	1925.6	1944.1	2225.8	2539.8	2539.8	2572.2	2743.0
52.5°	2733.7	2276.6	1777.9	1330.0	1727.0	1782.5	2027.2	2392.1	2401.3	2433.6	2586.0
55°	2452.1	2041.1	1648.5	1223.7	1491.5	1611.6	1833.3	2239.6	2258.2	2290.5	2429.0
57.5°	2193.5	1699.4	1620.9	1099.0	1274.5	1390.0	1662.5	2091.9	2101.2	2128.8	2262.7
60°	1916.4	1228.4	1487.0	965.1	1085.2	1173.0	1505.4	1916.4	1948.7	1967.2	2082.6
62.5°	1602.4	891.3	1348.4	872.8	992.9	1011.3	1376.1	1750.1	1791.7	1805.5	1874.9
65°	1140.6	748.1	1145.2	794.3	895.9	900.4	1237.6	1579.3	1616.2	1639.3	1690.1
67.5°	771.2	609.5	872.8	720.3	821.9	826.6	1103.7	1380.7	1431.5	1450.1	1482.3
70°	535.7	406.3	646.5	641.8	738.9	748.1	960.5	1200.6	1246.8	1260.7	1279.1
72.5°	392.5	327.8	535.7	577.3	651.1	660.4	812.8	997.4	1043.6	1057.5	1066.7
75°	300.2	346.3	434.1	503.3	554.2	558.8	664.9	812.8	845.1	854.3	858.9
77.5°	240.1	323.3	318.6	406.3	452.5	443.4	521.9	628.0	655.8	655.8	655.8
80°	180.1	254.0	240.1	290.9	332.5	323.3	374.0	447.9	457.2	466.4	461.8
82.5°	133.9	161.6	161.6	184.7	221.7	212.4	249.3	290.9	290.9	290.9	300.2
85°	83.1	92.3	73.9	97.0	124.7	120.1	138.5	157.0	161.6	161.6	152.4
87.5°	50.8	41.6	23.1	36.9	55.4	55.4	64.7	69.2	64.7	64.7	64.7
90°	7.1	4.9	2.7	4.9	7.1	7.6	12.0	17.8	20.7	18.5	13.8
92.5°	48.1	29.5	10.9	29.5	48.1	52.8	74.1	102.7	117.0	102.5	73.6
95°	94.2	60.2	26.2	60.2	94.2	102.8	182.5	288.8	341.9	305.1	231.5
97.5°	105.4	75.4	45.4	75.4	105.4	112.9	245.8	423.1	511.7	488.4	441.9
100°	114.5	87.3	60.1	87.3	114.5	121.3	268.9	465.6	563.9	565.6	569.0
102.5°	123.4	98.1	72.7	98.1	123.4	129.8	279.4	478.9	578.6	608.3	667.5
105°	137.0	115.5	94.1	115.5	137.0	142.4	287.3	480.4	577.0	643.4	776.3
107.5°	156.0	135.9	115.9	135.9	156.0	161.0	288.7	459.0	544.1	636.8	822.2
110°	166.8	148.7	130.6	148.7	166.8	171.4	286.5	440.1	516.9	620.5	827.7



TEST NUMBER: P934128

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	179.7	162.4	145.2	162.4	179.7	183.9	286.6	423.5	492.0	598.1	810.1
115°	198.8	182.9	167.0	182.9	198.8	202.8	289.3	404.5	462.2	564.3	768.6
117.5°	217.5	203.0	188.6	203.0	217.5	221.1	294.6	392.7	441.7	534.0	718.3
120°	228.4	214.8	201.1	214.8	228.4	231.8	299.0	388.6	433.4	517.7	686.2
122.5°	240.9	227.2	213.5	227.2	240.9	244.3	305.3	386.5	427.2	503.0	654.8
125°	257.4	244.9	232.3	244.9	257.4	260.5	313.8	384.9	420.3	484.7	613.6
127.5°	272.9	260.2	247.6	260.2	272.9	276.1	322.3	383.9	414.6	469.9	580.6
130°	283.1	269.4	255.8	269.4	283.1	286.4	328.5	384.4	412.4	461.7	560.2
132.5°	291.5	277.9	264.3	277.9	291.5	294.9	333.5	384.9	410.5	454.6	542.9
135°	301.6	289.3	276.9	289.3	301.6	304.7	338.9	384.5	407.2	444.2	518.0
137.5°	314.2	302.0	289.7	302.0	314.2	317.3	347.1	386.9	406.7	437.9	500.3
140°	323.0	311.6	300.4	311.6	323.0	325.8	352.1	387.2	404.8	431.7	485.7
142.5°	329.5	319.0	308.5	319.0	329.5	332.1	356.3	388.6	404.8	428.4	475.8
145°	339.4	330.3	321.2	330.3	339.4	341.7	361.8	388.6	402.1	421.4	460.2
147.5°	351.5	342.6	333.7	342.6	351.5	353.7	369.8	391.3	402.1	417.3	447.8
150°	357.9	349.9	341.9	349.9	357.9	359.9	374.0	392.7	402.1	415.0	440.7
152.5°	362.5	356.5	350.4	356.5	362.5	364.0	376.7	393.6	402.1	413.1	435.1
155°	372.0	367.4	362.9	367.4	372.0	373.0	382.7	395.6	402.1	410.8	428.3
157.5°	381.0	376.6	372.2	376.6	381.0	382.1	388.8	397.6	402.1	408.9	422.4
160°	385.4	382.0	378.6	382.0	385.4	386.2	391.5	398.5	402.1	407.9	419.5
162.5°	390.0	387.4	384.9	387.4	390.0	390.6	394.4	399.5	402.1	407.0	416.8
165°	396.3	394.0	391.7	394.0	396.3	396.9	398.6	400.9	402.1	405.6	412.6
167.5°	400.1	399.1	398.0	399.1	400.1	400.4	401.9	403.8	404.8	407.1	411.7
170°	404.2	403.2	402.1	403.2	404.2	404.5	404.6	404.7	404.8	407.1	411.7
172.5°	404.7	404.5	404.2	404.5	404.7	404.8	404.8	404.8	404.8	406.6	410.2
175°	407.2	407.2	407.2	407.2	407.2	407.2	406.4	405.3	404.8	406.0	408.2
177.5°	407.2	407.2	407.2	407.2	407.2	407.2	406.6	405.8	405.3	406.2	408.1
180°	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2



TEST NUMBER: P934128
 CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1
2.5°	4710.2	4696.4	4714.8	4664.1	4714.8	4696.4	4710.2	4742.6	4714.8	4733.3	4751.8
5°	4133.0	4109.9	4036.0	3976.0	4036.0	4109.9	4133.0	4230.0	4276.1	4359.3	4470.0
7.5°	3694.3	3675.8	3657.4	3620.4	3657.4	3675.8	3694.3	3722.0	3768.2	3842.0	3925.2
10°	3597.3	3601.9	3629.6	3625.0	3629.6	3601.9	3597.3	3588.1	3574.2	3588.1	3638.9
12.5°	3846.7	3888.2	4040.6	4031.4	4040.6	3888.2	3846.7	3661.9	3537.3	3514.2	3523.4
15°	4133.0	4146.9	4179.1	4183.8	4179.1	4146.9	4133.0	4059.1	3685.0	3523.4	3472.6
17.5°	4160.7	4165.3	4188.4	4188.4	4188.4	4165.3	4160.7	4128.4	4003.7	3786.6	3500.4
20°	4137.6	4146.9	4193.1	4202.3	4193.1	4146.9	4137.6	4096.0	4026.8	3948.3	3731.2
22.5°	4128.4	4146.9	4183.8	4179.1	4183.8	4146.9	4128.4	4063.7	4003.7	3948.3	3860.5
25°	4082.2	4082.2	4086.8	4091.5	4086.8	4082.2	4082.2	4031.4	3911.3	3897.4	3846.7
27.5°	3985.2	3994.5	4022.1	4017.5	4022.1	3994.5	3985.2	3966.7	3837.5	3823.6	3786.6
30°	3897.4	3888.2	3865.1	3846.7	3865.1	3888.2	3897.4	3869.8	3740.4	3703.5	3712.8
32.5°	3749.7	3726.6	3703.5	3689.7	3703.5	3726.6	3749.7	3740.4	3643.5	3592.7	3601.9
35°	3574.2	3578.9	3574.2	3560.4	3574.2	3578.9	3574.2	3583.4	3523.4	3477.3	3472.6
37.5°	3449.5	3458.8	3454.2	3435.7	3454.2	3458.8	3449.5	3440.3	3357.2	3343.4	3352.6
40°	3320.3	3324.9	3320.3	3306.3	3320.3	3324.9	3320.3	3301.8	3186.4	3190.9	3223.3
42.5°	3195.6	3190.9	3177.1	3167.8	3177.1	3190.9	3195.6	3167.8	3020.1	3006.3	3066.3
45°	3052.4	3057.0	3029.3	3015.4	3029.3	3057.0	3052.4	3033.9	2881.5	2844.6	2886.2
47.5°	2909.3	2909.3	2886.2	2872.3	2886.2	2909.3	2909.3	2886.2	2724.5	2687.6	2710.7
50°	2756.8	2752.3	2719.9	2715.3	2719.9	2752.3	2756.8	2743.0	2572.2	2539.8	2539.8
52.5°	2581.4	2581.4	2586.0	2595.2	2586.0	2581.4	2581.4	2586.0	2433.6	2401.3	2392.1
55°	2429.0	2433.6	2465.9	2475.2	2465.9	2433.6	2429.0	2429.0	2290.5	2258.2	2239.6
57.5°	2272.0	2272.0	2295.1	2295.1	2295.1	2272.0	2272.0	2262.7	2128.8	2101.2	2091.9
60°	2091.9	2101.2	2119.6	2115.0	2119.6	2101.2	2091.9	2082.6	1967.2	1948.7	1916.4
62.5°	1902.6	1911.8	1916.4	1907.1	1916.4	1911.8	1902.6	1874.9	1805.5	1791.7	1750.1
65°	1704.0	1713.2	1717.8	1708.6	1717.8	1713.2	1704.0	1690.1	1639.3	1616.2	1579.3
67.5°	1500.8	1496.2	1491.5	1510.0	1491.5	1496.2	1500.8	1482.3	1450.1	1431.5	1380.7
70°	1293.0	1293.0	1288.4	1297.6	1288.4	1293.0	1293.0	1279.1	1260.7	1246.8	1200.6
72.5°	1071.4	1066.7	1085.2	1071.4	1085.2	1066.7	1071.4	1066.7	1057.5	1043.6	997.4
75°	854.3	863.5	854.3	868.2	854.3	863.5	854.3	858.9	854.3	845.1	812.8
77.5°	651.1	660.4	651.1	651.1	651.1	660.4	651.1	655.8	655.8	655.8	628.0
80°	461.8	457.2	457.2	452.5	457.2	457.2	461.8	461.8	466.4	457.2	447.9
82.5°	295.5	290.9	290.9	300.2	290.9	290.9	295.5	300.2	290.9	290.9	290.9
85°	161.6	166.3	157.0	157.0	157.0	166.3	161.6	152.4	161.6	161.6	157.0
87.5°	60.0	55.4	55.4	55.4	55.4	55.4	60.0	64.7	64.7	64.7	69.2
90°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	13.8	18.5	20.7	17.8
92.5°	51.9	49.8	41.7	33.4	41.7	49.8	51.9	73.6	102.5	117.0	102.7
95°	176.3	170.0	145.0	120.0	145.0	170.0	176.3	231.5	305.1	341.9	288.8
97.5°	407.0	395.1	347.5	299.8	347.5	395.1	407.0	441.9	488.4	511.7	423.1
100°	571.5	557.3	500.7	443.9	500.7	557.3	571.5	569.0	565.6	563.9	465.6
102.5°	712.0	699.8	651.2	602.6	651.2	699.8	712.0	667.5	608.3	578.6	478.9
105°	876.0	869.4	843.3	817.2	843.3	869.4	876.0	776.3	643.4	577.0	480.4
107.5°	961.3	962.9	969.2	975.5	969.2	962.9	961.3	822.2	636.8	544.1	459.0
110°	983.1	990.0	1017.2	1044.4	1017.2	990.0	983.1	827.7	620.5	516.9	440.1



TEST NUMBER: P934128

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	969.2	979.7	1021.4	1063.2	1021.4	979.7	969.2	810.1	598.1	492.0	423.5
115°	921.9	936.4	994.3	1052.3	994.3	936.4	921.9	768.6	564.3	462.2	404.5
117.5°	856.6	872.7	936.9	1001.1	936.9	872.7	856.6	718.3	534.0	441.7	392.7
120°	812.6	828.2	890.6	953.0	890.6	828.2	812.6	686.2	517.7	433.4	388.6
122.5°	768.6	783.9	845.6	907.2	845.6	783.9	768.6	654.8	503.0	427.2	386.5
125°	710.3	724.5	781.2	838.0	781.2	724.5	710.3	613.6	484.7	420.3	384.9
127.5°	663.6	675.6	723.4	771.3	723.4	675.6	663.6	580.6	469.9	414.6	383.9
130°	634.1	645.2	689.4	733.6	689.4	645.2	634.1	560.2	461.7	412.4	384.4
132.5°	609.0	618.9	658.5	698.1	658.5	618.9	609.0	542.9	454.6	410.5	384.9
135°	573.4	582.0	616.1	650.2	616.1	582.0	573.4	518.0	444.2	407.2	384.5
137.5°	547.1	554.2	582.1	610.1	582.1	554.2	547.1	500.3	437.9	406.7	386.9
140°	526.1	532.7	558.8	584.9	558.8	532.7	526.1	485.7	431.7	404.8	387.2
142.5°	511.4	517.0	539.5	562.0	539.5	517.0	511.4	475.8	428.4	404.8	388.6
145°	489.2	493.5	510.5	527.5	510.5	493.5	489.2	460.2	421.4	402.1	388.6
147.5°	470.6	474.2	488.3	502.4	488.3	474.2	470.6	447.8	417.3	402.1	391.3
150°	460.0	462.8	474.3	485.7	474.3	462.8	460.0	440.7	415.0	402.1	392.7
152.5°	451.5	453.7	462.3	470.9	462.3	453.7	451.5	435.1	413.1	402.1	393.6
155°	441.4	442.9	448.5	454.3	448.5	442.9	441.4	428.3	410.8	402.1	395.6
157.5°	432.6	433.6	437.7	441.7	437.7	433.6	432.6	422.4	408.9	402.1	397.6
160°	428.3	428.8	431.2	433.4	431.2	428.8	428.3	419.5	407.9	402.1	398.5
162.5°	424.2	424.7	426.9	429.1	426.9	424.7	424.2	416.8	407.0	402.1	399.5
165°	417.9	418.4	420.8	423.1	420.8	418.4	417.9	412.6	405.6	402.1	400.9
167.5°	415.2	415.4	416.3	417.3	416.3	415.4	415.2	411.7	407.1	404.8	403.8
170°	415.2	415.2	415.2	415.2	415.2	415.2	415.2	411.7	407.1	404.8	404.7
172.5°	413.0	412.8	411.9	411.1	411.9	412.8	413.0	410.2	406.6	404.8	404.8
175°	410.0	410.0	410.0	410.0	410.0	410.0	410.0	408.2	406.0	404.8	405.3
177.5°	409.4	409.2	408.2	407.2	408.2	409.2	409.4	408.1	406.2	405.3	405.8
180°	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2



TEST NUMBER: P934128

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4881.1	4881.1	4881.1	4881.1	4881.1
2.5°	4821.1	4844.2	4858.0	4876.5	4922.7
5°	4636.3	4724.1	4751.8	4821.1	4904.1
7.5°	4230.0	4497.8	4571.7	4737.9	4867.2
10°	3837.5	4105.3	4234.5	4627.1	4821.1
12.5°	3638.9	3795.9	3883.6	4433.1	4756.4
15°	3514.2	3625.0	3689.7	4174.5	4682.5
17.5°	3417.2	3495.7	3541.9	3920.5	4580.9
20°	3357.2	3394.1	3435.7	3735.9	4465.5
22.5°	3315.6	3292.5	3324.9	3606.5	4308.5
25°	3287.9	3200.2	3237.1	3504.9	4123.7
27.5°	3311.0	3117.1	3130.9	3412.6	3929.8
30°	3315.6	3015.4	3020.1	3315.6	3712.8
32.5°	3283.3	2909.3	2913.8	3195.6	3468.0
35°	3204.8	2784.6	2779.9	3057.0	3135.5
37.5°	3098.6	2650.7	2650.7	2904.7	2770.8
40°	2969.3	2516.7	2530.6	2706.1	2447.5
42.5°	2812.2	2373.6	2392.1	2442.8	2207.3
45°	2641.4	2235.1	2248.9	2064.1	2022.6
47.5°	2452.1	2091.9	2096.5	1713.2	1962.6
50°	2225.8	1944.1	1925.6	1468.5	1958.0
52.5°	2027.2	1782.5	1727.0	1330.0	1777.9
55°	1833.3	1611.6	1491.5	1223.7	1648.5
57.5°	1662.5	1390.0	1274.5	1099.0	1620.9
60°	1505.4	1173.0	1085.2	965.1	1487.0
62.5°	1376.1	1011.3	992.9	872.8	1348.4
65°	1237.6	900.4	895.9	794.3	1145.2
67.5°	1103.7	826.6	821.9	720.3	872.8
70°	960.5	748.1	738.9	641.8	646.5
72.5°	812.8	660.4	651.1	577.3	535.7
75°	664.9	558.8	554.2	503.3	434.1
77.5°	521.9	443.4	452.5	406.3	318.6
80°	374.0	323.3	332.5	290.9	240.1
82.5°	249.3	212.4	221.7	184.7	161.6
85°	138.5	120.1	124.7	97.0	73.9
87.5°	64.7	55.4	55.4	36.9	23.1
90°	12.0	7.6	7.1	4.9	2.7
92.5°	74.1	52.8	48.1	29.5	10.9
95°	182.5	102.8	94.2	60.2	26.2
97.5°	245.8	112.9	105.4	75.4	45.4
100°	268.9	121.3	114.5	87.3	60.1
102.5°	279.4	129.8	123.4	98.1	72.7
105°	287.3	142.4	137.0	115.5	94.1
107.5°	288.7	161.0	156.0	135.9	115.9
110°	286.5	171.4	166.8	148.7	130.6



TEST NUMBER: P934128

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	286.6	183.9	179.7	162.4	145.2
115°	289.3	202.8	198.8	182.9	167.0
117.5°	294.6	221.1	217.5	203.0	188.6
120°	299.0	231.8	228.4	214.8	201.1
122.5°	305.3	244.3	240.9	227.2	213.5
125°	313.8	260.5	257.4	244.9	232.3
127.5°	322.3	276.1	272.9	260.2	247.6
130°	328.5	286.4	283.1	269.4	255.8
132.5°	333.5	294.9	291.5	277.9	264.3
135°	338.9	304.7	301.6	289.3	276.9
137.5°	347.1	317.3	314.2	302.0	289.7
140°	352.1	325.8	323.0	311.6	300.4
142.5°	356.3	332.1	329.5	319.0	308.5
145°	361.8	341.7	339.4	330.3	321.2
147.5°	369.8	353.7	351.5	342.6	333.7
150°	374.0	359.9	357.9	349.9	341.9
152.5°	376.7	364.0	362.5	356.5	350.4
155°	382.7	373.0	372.0	367.4	362.9
157.5°	388.8	382.1	381.0	376.6	372.2
160°	391.5	386.2	385.4	382.0	378.6
162.5°	394.4	390.6	390.0	387.4	384.9
165°	398.6	396.9	396.3	394.0	391.7
167.5°	401.9	400.4	400.1	399.1	398.0
170°	404.6	404.5	404.2	403.2	402.1
172.5°	404.8	404.8	404.7	404.5	404.2
175°	406.4	407.2	407.2	407.2	407.2
177.5°	406.6	407.2	407.2	407.2	407.2
180°	407.2	407.2	407.2	407.2	407.2



TEST NUMBER: P934128
 CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-4000K

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	16.85	18.11	17.47	18.74	19.45	19.71	20.96	20.32	21.59	22.30
	3H	17.36	18.49	17.99	19.13	19.88	21.09	22.22	21.71	22.85	23.60
	4H	17.57	18.64	18.22	19.28	20.04	21.55	22.62	22.20	23.27	24.03
	6H	17.71	18.69	18.37	19.35	20.13	21.86	22.85	22.52	23.51	24.28
	8H	17.72	18.66	18.39	19.34	20.12	21.95	22.89	22.63	23.57	24.35
	12H	17.70	18.60	18.38	19.27	20.08	22.01	22.90	22.69	23.58	24.38
4H	2H	17.94	19.01	18.59	19.65	20.41	20.16	21.23	20.81	21.88	22.64
	3H	19.00	19.89	19.67	20.58	21.36	21.71	22.60	22.37	23.29	24.07
	4H	19.29	20.10	19.98	20.79	21.60	22.26	23.06	22.94	23.76	24.57
	6H	19.44	20.14	20.14	20.86	21.68	22.65	23.35	23.35	24.07	24.89
	8H	19.46	20.11	20.16	20.82	21.66	22.77	23.42	23.48	24.14	24.97
	12H	19.44	20.03	20.17	20.77	21.61	22.85	23.44	23.58	24.18	25.01
8H	4H	19.78	20.44	20.49	21.15	21.98	22.41	23.07	23.12	23.78	24.61
	6H	20.06	20.60	20.80	21.36	22.20	22.87	23.41	23.61	24.17	25.01
	8H	20.11	20.59	20.86	21.35	22.20	23.03	23.51	23.78	24.27	25.12
	12H	20.11	20.54	20.86	21.28	22.20	23.15	23.58	23.90	24.33	25.24
12H	4H	19.81	20.40	20.53	21.14	21.97	22.40	22.98	23.12	23.72	24.56
	6H	20.13	20.61	20.87	21.37	22.22	22.87	23.36	23.62	24.12	24.97
	8H	20.21	20.64	20.96	21.39	22.30	23.06	23.48	23.81	24.23	25.14