

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: SURE-LITES

Report Number: P29446

Luminaire Tested: **SELW25**

Test Date: 03/26/17

Test Information

Test Method: LM-79-08
Report Number: P29446
Test Lab: INNOVATION CENTER-P2
Test Date: 03/26/17
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SURE-LITES
Catalog Number: SELW25
Description: EMERGENCY LIGHT WITH SEMI-FIXED OPTIC IN PARALLEL POSITION
Light Source: (2) NICHIA 5000K LEDS
NFSW757DT-V1(2100)
Ballast/Driver: (1) AGILENT DC POWER SUPPLY (4.8VDC)
IN0011

Summary

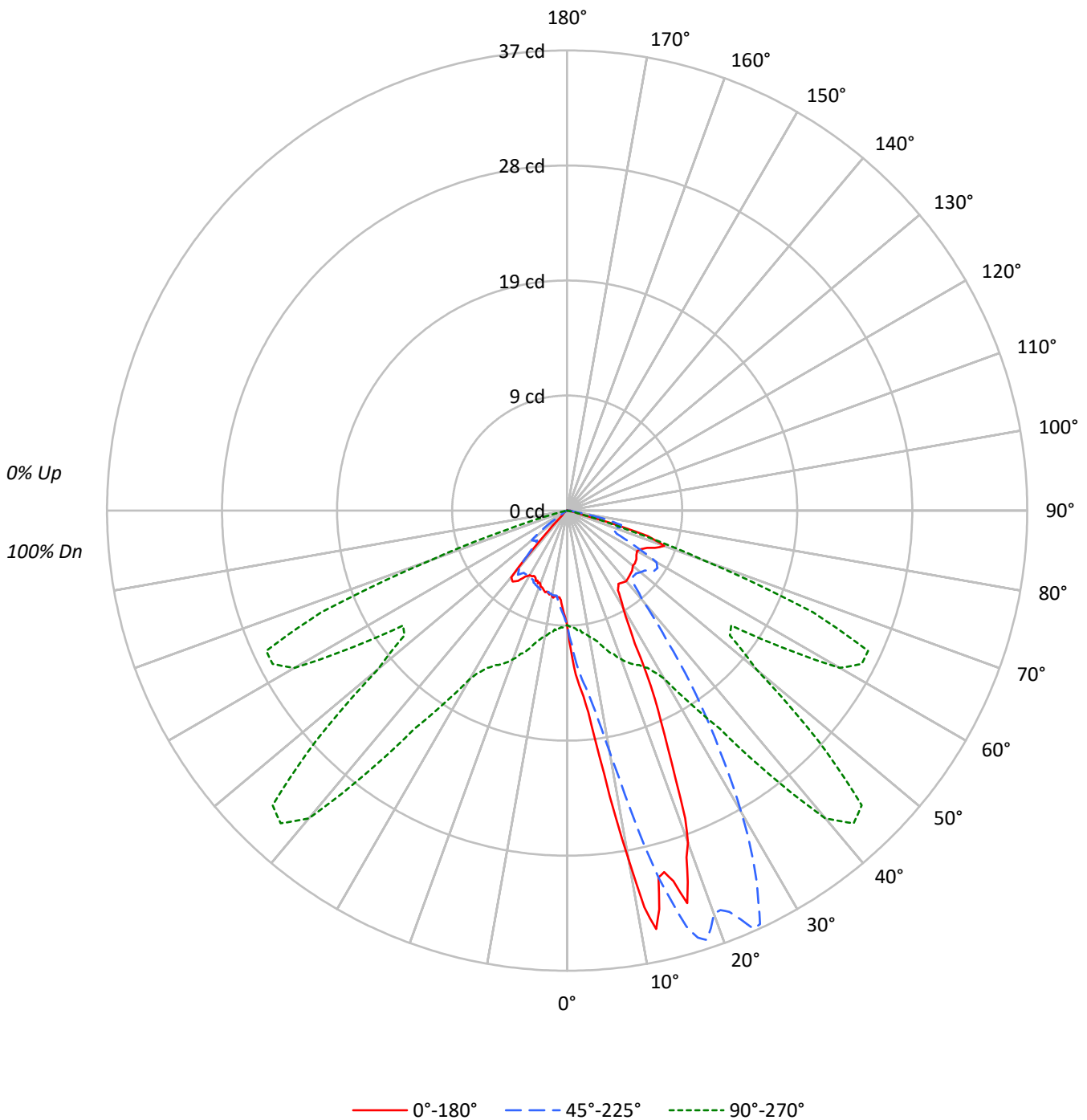
Lumens per Lamp: N/A
Luminaire Lumens: 60.3 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 2.47 / 1.33
Luminous Opening: Vertical Cylinder (Dia: 0.17' x H: 0.04')
CIE Type: Direct

Input Watts (W): 0.66
Input Voltage (V): 4.80
Input Current (Ain): 0.137
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): DC
Stabilization Time: 0.5 HR
Operation Time: 4 HR
Ambient Temperature (°C): 24.7
Test Distance: 25 FT



TEST NUMBER: P29446
CATALOG NUMBER: SELW25

Luminous Intensity Polar Plot





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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	52	45	73	60	52	45	58	51	45	56	49	44	54	48	44	42
6	69	55	46	39	67	54	45	39	52	44	39	50	43	38	49	43	38	36
7	63	49	40	34	62	49	40	34	47	39	34	46	39	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27
9	55	41	32	27	53	40	32	26	39	32	26	38	31	26	37	31	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	23	34	28	23	22

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	4539	4539	4539
5°	7228	4674	3373
10°	13519	4886	3321
15°	14166	5365	3200
20°	13363	5976	2964
25°	7916	6494	2844
30°	4331	7508	2888
35°	3546	10540	3398
40°	3761	16418	3558
45°	3811	17731	318
50°	3840	11074	278
55°	4021	9521	237
60°	4134	16093	64
65°	4926	18525	69
70°	6387	9004	77
75°	1220	1046	87
80°	405	101	101
85°	366	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	1.8
10°-20°	4.8	7.9
20°-30°	7.9	13.1
30°-40°	10.6	17.6
40°-50°	13.4	22.3
50°-60°	9.5	15.7
60°-70°	10.1	16.8
70°-80°	2.8	4.6
80°-90°	0.1	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	13.8	22.8
0°-40°	24.4	40.4
0°-60°	47.3	78.4
0°-90°	60.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	60.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	9	9	9	9	9	
5°	15	14	10	8	7	2
15°	30	33	11	7	7	9
25°	17	37	14	6	6	8
35°	7	18	21	6	7	5
45°	7	8	34	3	1	6
55°	7	8	16	1	0	6
65°	7	4	27	0	0	7
75°	1	4	1	0	0	3
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	63°
0°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
1°	10.5	10.4	10.4	10.3	10.2	10.1	9.9	9.9	9.9	9.9	9.8
2°	11.9	11.7	11.7	11.4	11.2	10.8	10.5	10.3	10.3	10.4	10.3
3°	13.2	13.2	13.0	12.7	12.5	11.9	11.3	11.1	11.0	11.1	10.9
4°	14.1	14.0	13.9	13.7	13.3	12.8	12.1	11.8	11.8	11.8	11.6
5°	15.0	14.9	14.8	14.4	14.1	13.6	12.9	12.5	12.5	12.4	12.3
6°	16.3	16.1	16.0	15.4	15.0	14.3	13.4	13.0	13.0	13.0	12.8
7°	18.6	18.2	17.9	16.9	16.1	15.2	14.1	13.6	13.5	13.4	13.3
8°	21.4	20.9	20.5	19.1	17.8	16.3	15.0	14.2	14.1	13.9	13.7
9°	25.0	24.0	23.6	21.8	20.0	17.8	16.0	15.2	15.0	14.6	14.4
10°	28.5	27.6	27.1	24.9	22.5	19.7	17.1	16.0	16.0	15.6	15.2
11°	32.5	31.8	30.3	28.2	25.7	21.9	18.3	16.9	16.8	16.5	16.2
12°	34.4	34.3	33.7	31.7	28.9	24.7	20.1	18.2	17.9	17.5	17.1
13°	32.9	33.0	33.8	33.9	31.6	27.7	22.1	19.5	19.2	18.6	18.1
14°	30.4	30.6	31.9	34.0	34.2	30.4	24.6	21.1	20.6	19.9	19.3
15°	30.1	29.9	30.5	32.4	35.4	32.6	27.3	23.1	22.4	21.5	20.8
16°	31.0	30.8	30.7	31.5	35.1	34.8	29.6	25.5	24.8	23.6	22.6
17°	33.0	32.6	31.9	31.6	34.1	35.9	31.7	28.2	27.3	26.0	24.8
18°	31.4	31.7	32.9	32.5	33.4	36.3	33.3	30.0	29.6	28.4	27.1
19°	29.5	29.6	31.3	33.4	33.4	35.5	35.3	32.1	31.6	30.6	29.6
20°	28.4	28.6	29.5	32.6	34.6	34.5	36.8	34.1	33.7	32.6	31.6
21°	26.5	27.1	28.6	30.6	35.1	34.4	38.4	35.7	35.5	34.7	33.8
22°	23.3	24.1	26.5	29.5	34.1	34.8	38.6	37.5	37.3	36.3	35.7
23°	20.7	21.2	23.6	27.9	32.4	35.7	38.3	39.3	39.1	38.3	37.6
24°	18.5	19.1	21.2	25.1	30.8	36.8	38.2	40.8	40.8	40.2	39.7
25°	16.7	17.3	19.3	22.4	29.5	36.7	38.3	41.6	41.9	41.8	41.4
26°	14.5	14.7	17.5	20.5	26.9	35.1	39.2	42.0	42.5	42.8	42.9
27°	12.0	12.3	15.1	18.9	24.3	33.6	40.1	42.3	43.0	43.6	43.9
28°	10.7	11.0	12.5	16.7	22.0	31.9	41.1	43.2	43.9	44.3	44.8
29°	9.7	10.0	11.1	13.8	20.3	30.0	42.1	44.3	45.0	45.5	46.0
30°	9.0	9.1	10.0	11.7	18.9	28.0	42.3	45.3	46.0	46.8	47.5
32.5°	7.6	7.8	8.3	9.2	12.7	22.8	41.6	48.0	48.8	49.3	50.0
35°	7.2	7.4	7.4	8.1	9.2	18.1	34.9	47.7	49.1	50.5	52.1
37.5°	7.3	7.4	7.2	7.5	8.2	13.2	28.9	43.3	46.5	49.6	52.5
40°	7.4	7.4	7.2	7.3	7.4	9.5	23.0	37.9	41.8	45.6	49.8
42.5°	7.3	7.4	7.2	7.3	7.4	7.8	17.0	32.9	37.2	41.2	45.6
45°	7.2	7.2	7.0	7.2	7.3	7.5	14.5	25.5	31.3	37.3	43.6
47.5°	7.1	7.2	6.9	7.0	7.2	7.5	12.5	22.1	27.3	32.6	37.9
50°	6.9	7.0	6.8	7.0	7.3	7.7	10.4	20.4	23.1	26.8	30.2
52.5°	6.9	6.8	6.7	6.8	7.2	7.9	10.2	17.2	19.4	21.1	23.1
55°	6.8	6.7	6.6	6.7	7.2	8.5	10.1	13.7	15.7	17.6	19.2
57.5°	6.6	6.6	6.5	6.6	7.2	8.6	9.2	8.9	9.5	10.8	12.8
60°	6.5	6.6	6.4	6.5	7.3	8.3	6.6	6.4	6.4	7.0	7.9
62.5°	6.7	6.7	6.6	6.7	7.4	6.1	5.0	5.0	5.2	5.4	5.7
65°	7.1	7.3	7.0	7.0	5.7	4.4	4.8	5.3	5.3	5.5	5.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	63°
67.5°	7.8	7.7	7.5	5.7	3.9	4.0	5.0	5.9	6.1	6.5	7.0
70°	8.3	8.0	6.3	3.9	3.6	4.0	5.6	6.4	6.6	6.9	7.3
72.5°	6.8	5.9	4.5	3.9	4.0	4.5	5.5	6.5	6.8	7.0	7.3
75°	1.4	1.8	3.5	3.8	4.1	4.5	5.2	5.2	5.2	5.2	5.2
77.5°	0.4	0.4	0.9	2.0	2.7	2.9	2.7	2.5	2.5	2.4	2.3
80°	0.4	0.4	0.3	0.4	0.5	0.8	0.9	0.5	0.5	0.5	0.5
82.5°	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.3
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.2
87.5°	0.3	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	64°	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°
0°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
1°	9.8	9.7	9.7	9.7	9.7	9.7	9.6	9.6	9.7	9.6	9.5
2°	10.2	10.2	10.2	10.0	10.0	10.0	10.0	9.9	9.9	9.9	9.8
3°	10.8	10.6	10.7	10.6	10.6	10.5	10.4	10.3	10.3	10.2	10.2
4°	11.5	11.4	11.4	11.2	11.2	11.1	11.0	10.9	10.8	10.6	10.6
5°	12.2	12.1	12.1	11.8	11.9	11.8	11.7	11.5	11.3	11.2	11.1
6°	12.8	12.6	12.6	12.5	12.4	12.3	12.3	12.1	11.8	11.8	11.7
7°	13.2	13.0	13.0	12.9	12.8	12.8	12.7	12.5	12.4	12.2	12.2
8°	13.6	13.4	13.4	13.2	13.1	13.1	13.0	12.9	12.8	12.6	12.5
9°	14.2	14.0	13.9	13.7	13.6	13.5	13.3	13.1	13.1	13.0	12.9
10°	15.1	14.6	14.5	14.2	14.0	13.8	13.7	13.4	13.4	13.2	13.1
11°	15.9	15.5	15.3	14.9	14.7	14.4	14.1	13.9	13.6	13.4	13.3
12°	16.9	16.6	16.3	15.9	15.7	15.2	14.8	14.5	14.1	13.9	13.7
13°	17.8	17.4	17.2	16.7	16.5	16.2	15.7	15.2	14.6	14.4	14.2
14°	18.9	18.4	18.0	17.5	17.2	16.9	16.5	16.0	15.4	15.1	14.7
15°	20.2	19.5	19.2	18.5	18.2	17.6	17.2	16.7	16.3	15.8	15.4
16°	21.9	20.9	20.5	19.6	19.2	18.4	18.0	17.5	16.9	16.6	16.1
17°	24.1	22.8	22.1	21.1	20.5	19.5	18.9	18.4	17.7	17.3	16.9
18°	26.2	25.0	24.2	22.8	21.9	20.8	20.1	19.4	18.5	18.0	17.4
19°	28.7	27.5	26.7	25.0	24.1	22.7	21.7	20.9	19.8	19.1	18.5
20°	30.9	29.8	28.6	27.3	26.2	24.7	23.5	22.5	21.4	20.5	19.7
21°	32.8	32.0	30.9	29.8	28.6	26.9	25.8	24.6	23.3	22.1	21.1
22°	35.0	34.1	33.1	32.0	31.0	29.4	28.0	26.8	25.4	23.8	22.9
23°	37.0	36.4	35.6	34.3	33.2	31.9	30.5	29.4	27.7	26.0	24.8
24°	39.0	38.4	37.7	37.1	35.7	34.5	33.1	31.8	30.2	28.4	27.0
25°	41.0	40.5	39.7	39.1	38.1	36.9	35.7	34.4	32.7	30.9	29.4
26°	42.9	42.5	41.9	41.2	40.3	39.5	38.3	37.1	35.4	33.5	31.8
27°	44.2	44.3	44.1	43.4	42.8	41.9	40.6	39.8	37.9	36.1	34.4
28°	45.3	45.7	45.9	45.7	45.1	44.3	43.0	42.3	40.5	38.7	36.9
29°	46.6	47.0	47.7	47.9	47.6	46.7	45.5	44.9	43.2	41.4	39.6
30°	48.0	48.3	48.9	49.3	49.4	49.0	47.8	47.3	45.5	43.9	42.1
32.5°	51.2	52.1	52.7	53.1	53.3	53.7	53.4	53.5	52.4	50.9	49.0
35°	53.5	54.8	56.1	57.9	59.0	60.0	60.7	61.6	61.3	60.6	59.5
37.5°	55.5	58.2	60.9	63.4	65.9	68.7	70.8	72.2	73.5	74.0	73.2
40°	53.8	57.8	62.0	66.1	70.3	74.8	79.5	84.1	89.0	92.4	94.0
42.5°	50.6	56.2	62.1	67.5	73.4	80.1	87.1	94.7	102.6	109.7	114.8
45°	49.7	55.6	61.4	66.9	72.3	78.8	85.9	94.6	105.0	113.9	120.9
47.5°	43.5	49.0	55.6	61.4	67.7	74.7	81.5	88.1	93.8	99.1	103.0
50°	35.2	40.0	45.8	50.8	56.1	61.7	67.9	73.2	76.4	78.6	81.1
52.5°	26.2	29.5	35.4	40.9	46.3	50.8	53.9	55.6	57.1	57.8	59.1
55°	21.1	22.8	25.3	28.6	32.7	37.0	41.6	45.0	47.7	49.6	51.6
57.5°	14.7	16.9	19.3	22.3	26.6	31.1	36.5	41.6	46.8	51.0	54.2
60°	9.9	12.4	15.4	18.5	22.5	27.1	32.5	38.3	45.3	52.5	58.9
62.5°	6.6	8.3	11.6	15.3	20.5	26.3	32.2	39.1	47.2	55.9	65.3
65°	6.5	7.5	9.8	13.9	20.0	26.4	32.5	38.4	45.0	52.5	61.9



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CANDELA DISTRIBUTION (continued):

	64°	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°
67.5°	7.7	9.2	10.9	13.4	17.6	21.3	25.9	31.0	37.9	46.2	55.2
70°	7.7	8.2	8.8	10.0	12.0	14.9	18.8	23.0	26.8	33.0	38.6
72.5°	7.5	7.8	8.2	8.4	9.0	9.5	10.6	13.0	14.7	18.2	19.8
75°	5.1	5.0	5.1	5.1	5.1	5.0	5.0	5.3	5.2	6.0	6.4
77.5°	2.5	2.4	2.4	2.4	2.3	2.3	2.3	2.4	2.4	2.7	2.8
80°	0.5	0.4	0.4	0.3	0.4	0.3	0.2	0.2	0.3	0.3	0.3
82.5°	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.3
85°	0.3	0.2	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.2
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: SELW25

CANDELA DISTRIBUTION (continued):

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
0°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
1°	9.6	9.6	9.6	9.5	9.5	9.5	9.5	9.5	9.5	9.4	9.4
2°	9.8	9.9	9.7	9.7	9.7	9.7	9.7	9.6	9.6	9.5	9.5
3°	10.2	10.1	10.1	10.1	10.0	9.9	9.9	9.9	9.7	9.7	9.7
4°	10.5	10.5	10.4	10.3	10.2	10.2	10.1	10.1	10.0	9.9	9.8
5°	11.1	11.0	10.9	10.9	10.7	10.6	10.4	10.5	10.2	10.2	10.1
6°	11.5	11.4	11.3	11.3	11.1	11.0	10.9	10.7	10.6	10.4	10.3
7°	12.0	12.0	11.8	11.7	11.5	11.5	11.3	11.1	11.0	10.8	10.5
8°	12.4	12.3	12.3	12.1	11.9	11.9	11.7	11.5	11.3	11.2	10.9
9°	12.8	12.7	12.6	12.6	12.4	12.2	12.2	11.9	11.8	11.6	11.3
10°	13.0	12.9	12.8	12.8	12.6	12.5	12.5	12.3	12.2	11.9	11.6
11°	13.3	13.2	13.1	13.0	12.9	12.8	12.7	12.6	12.4	12.2	12.0
12°	13.6	13.5	13.3	13.3	13.1	12.9	13.0	12.9	12.7	12.6	12.3
13°	14.0	13.8	13.7	13.5	13.4	13.2	13.1	13.0	12.9	12.8	12.6
14°	14.4	14.2	14.0	13.8	13.6	13.5	13.4	13.3	13.2	13.0	12.9
15°	15.1	14.7	14.4	14.2	13.9	13.8	13.7	13.5	13.4	13.3	13.1
16°	15.8	15.3	15.0	14.6	14.3	14.1	14.0	13.7	13.6	13.4	13.4
17°	16.4	15.9	15.5	15.2	14.8	14.5	14.3	14.0	13.7	13.6	13.6
18°	17.0	16.6	16.2	15.7	15.2	14.9	14.6	14.3	14.0	13.8	13.7
19°	17.9	17.4	16.8	16.3	15.9	15.4	15.2	14.8	14.4	14.1	13.9
20°	18.9	18.2	17.6	17.2	16.6	16.1	15.7	15.3	14.9	14.5	14.1
21°	20.4	19.5	18.5	18.0	17.4	16.8	16.5	16.0	15.4	15.0	14.5
22°	21.9	20.9	19.7	19.1	18.3	17.6	17.1	16.6	16.0	15.5	14.9
23°	23.7	22.6	21.3	20.6	19.4	18.5	18.0	17.4	16.7	16.2	15.4
24°	25.6	24.5	23.2	22.0	20.9	19.8	18.9	18.3	17.4	16.8	16.0
25°	27.7	26.3	24.9	23.6	22.3	20.8	19.9	18.9	18.2	17.4	16.5
26°	30.2	28.4	26.6	25.2	23.8	22.3	21.2	20.0	19.1	18.4	17.4
27°	32.6	30.7	28.5	27.1	25.4	23.7	22.5	21.1	20.2	19.3	18.4
28°	35.2	33.2	30.8	29.0	27.2	25.4	23.8	22.3	21.2	20.3	19.3
29°	37.9	35.9	33.3	31.3	29.2	27.2	25.6	23.7	22.5	21.5	20.5
30°	40.3	38.3	35.8	33.6	31.2	29.0	27.2	25.1	23.8	22.7	21.5
32.5°	47.4	44.9	42.6	40.4	37.5	34.6	32.5	30.0	28.2	26.6	25.3
35°	57.9	54.6	52.1	49.4	46.0	42.2	39.3	36.4	34.2	32.3	30.3
37.5°	71.9	68.4	66.0	61.9	58.6	54.2	49.9	46.0	43.3	40.7	38.0
40°	94.5	92.1	89.4	84.4	78.8	72.1	66.0	60.3	55.3	51.6	47.7
42.5°	118.9	118.9	117.2	111.3	104.6	95.4	85.4	76.6	69.1	62.5	55.7
45°	124.2	124.4	122.4	119.1	111.6	103.9	94.2	85.4	77.8	69.5	61.2
47.5°	104.1	103.3	99.0	95.1	90.0	85.0	78.5	72.9	66.5	59.2	52.4
50°	81.8	79.8	78.2	75.7	70.6	65.4	59.0	52.9	47.0	40.9	36.2
52.5°	59.7	58.5	57.1	55.8	52.9	50.2	46.2	41.7	37.3	32.8	28.9
55°	53.5	54.3	54.1	53.5	52.0	49.8	46.6	42.2	37.7	33.3	29.4
57.5°	57.6	60.2	61.7	61.0	59.6	57.1	53.0	49.0	43.6	38.9	35.0
60°	66.0	72.9	77.8	80.5	80.8	77.6	72.2	66.2	58.3	51.6	46.2
62.5°	76.3	87.1	96.5	102.4	103.6	102.2	95.4	85.4	73.9	63.6	55.3
65°	75.0	89.3	100.8	108.7	110.0	107.6	101.7	90.7	81.4	72.1	61.9



TEST NUMBER: P29446
 CATALOG NUMBER: SELW25

CANDELA DISTRIBUTION (continued):

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
67.5°	66.2	75.5	82.9	85.1	83.6	79.8	74.6	68.1	63.2	57.0	50.0
70°	45.0	48.9	53.2	53.5	52.1	47.8	45.9	41.6	35.9	31.8	27.2
72.5°	21.6	23.5	24.0	24.2	23.0	20.4	18.4	16.9	14.5	13.5	11.0
75°	7.4	8.5	8.8	8.8	8.5	7.5	6.7	6.1	5.1	4.8	3.9
77.5°	2.7	3.0	2.9	2.6	2.4	1.8	1.5	1.0	0.7	0.6	0.3
80°	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1
87.5°	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P29446
 CATALOG NUMBER: SELW25

CANDELA DISTRIBUTION (continued):

	86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°
0°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
1°	9.3	9.4	9.3	9.4	9.3	9.3	9.2	9.0	8.9	8.8	8.7
2°	9.5	9.4	9.4	9.4	9.4	9.2	9.0	8.8	8.6	8.4	8.2
3°	9.6	9.6	9.5	9.4	9.4	9.3	8.9	8.6	8.4	8.1	7.9
4°	9.8	9.6	9.5	9.6	9.5	9.2	8.7	8.3	8.0	7.8	7.5
5°	10.0	9.9	9.8	9.7	9.7	9.3	8.6	8.2	7.9	7.5	7.3
6°	10.2	10.1	9.9	9.8	9.6	9.2	8.5	8.0	7.6	7.2	7.0
7°	10.5	10.3	10.1	9.9	9.9	9.2	8.4	7.9	7.4	6.9	6.9
8°	10.7	10.5	10.3	10.1	9.9	9.2	8.3	7.7	7.2	6.9	6.9
9°	11.1	10.8	10.5	10.3	10.1	9.2	8.2	7.6	7.1	6.9	6.9
10°	11.5	11.1	10.8	10.5	10.3	9.2	8.0	7.4	7.0	6.9	6.9
11°	11.7	11.5	11.0	10.8	10.4	9.2	7.9	7.2	6.9	6.8	6.8
12°	12.1	11.8	11.4	11.0	10.6	9.2	7.8	7.1	6.9	6.8	6.9
13°	12.3	12.2	11.6	11.2	10.8	9.3	7.8	7.1	7.0	6.7	6.8
14°	12.7	12.5	12.0	11.5	11.1	9.3	7.7	7.1	7.0	6.8	6.9
15°	13.0	12.8	12.4	11.9	11.4	9.4	7.7	7.1	7.0	6.8	6.8
16°	13.3	13.2	12.6	12.3	11.7	9.4	7.6	7.1	7.0	6.8	6.8
17°	13.5	13.3	13.0	12.7	12.0	9.4	7.4	7.1	7.0	6.8	6.8
18°	13.5	13.4	13.2	12.8	12.1	9.3	7.3	7.0	6.8	6.7	6.6
19°	13.8	13.7	13.4	13.1	12.5	9.4	7.2	7.0	6.9	6.7	6.6
20°	13.9	13.8	13.6	13.2	12.7	9.4	7.2	6.9	6.8	6.6	6.4
21°	14.3	14.0	13.8	13.5	13.0	9.4	7.2	6.9	6.9	6.6	6.4
22°	14.5	14.2	13.9	13.6	13.2	9.4	7.1	6.9	6.8	6.5	6.3
23°	15.0	14.4	14.1	13.8	13.4	9.5	7.1	6.9	6.8	6.5	6.3
24°	15.4	14.8	14.3	14.0	13.6	9.5	7.1	6.9	6.8	6.4	6.4
25°	15.8	15.1	14.5	14.2	13.7	9.4	7.0	6.9	6.6	6.4	6.1
26°	16.6	15.6	14.9	14.4	14.0	9.4	7.1	6.7	6.6	6.2	6.1
27°	17.5	16.2	15.3	14.8	14.2	9.4	7.0	6.8	6.6	6.2	6.0
28°	18.4	17.2	16.0	15.3	14.6	9.4	7.0	6.8	6.5	6.1	6.0
29°	19.6	18.3	17.0	16.0	15.0	9.5	7.2	7.0	6.6	6.2	6.1
30°	20.7	19.4	18.0	16.9	15.6	9.4	7.1	6.9	6.6	6.1	5.9
32.5°	24.4	23.1	21.6	20.2	18.3	9.8	7.2	7.0	6.5	6.1	5.9
35°	29.0	27.5	25.9	24.0	21.4	10.6	7.5	7.0	6.5	6.1	6.0
37.5°	36.5	34.2	32.5	30.3	26.8	14.1	8.5	7.8	7.0	6.5	6.4
40°	44.4	41.4	38.9	36.3	32.3	17.1	9.2	8.1	7.0	6.0	5.6
42.5°	50.3	45.4	41.7	38.4	34.1	17.2	9.4	7.2	5.1	4.1	4.1
45°	52.8	46.1	41.1	37.5	33.5	15.2	7.5	5.1	3.8	3.4	3.8
47.5°	46.2	41.7	35.6	31.6	27.4	10.5	5.7	3.7	3.5	3.6	3.7
50°	31.7	28.8	25.5	22.5	19.9	7.9	4.2	3.8	3.7	3.7	1.7
52.5°	25.8	23.4	21.1	18.9	16.5	6.2	4.2	3.9	4.0	2.6	0.6
55°	26.6	23.7	21.1	18.6	16.1	5.9	4.5	4.3	3.6	0.8	0.4
57.5°	32.4	29.0	26.2	23.5	20.4	7.8	5.2	4.4	1.8	0.4	0.3
60°	41.1	36.5	32.6	29.1	25.3	10.1	5.5	2.8	0.4	0.3	0.3
62.5°	48.3	41.1	35.7	31.3	26.7	9.8	4.8	1.4	0.3	0.3	0.3
65°	52.6	43.8	36.5	31.4	26.7	8.9	2.5	0.3	0.3	0.2	0.2



TEST NUMBER: P29446
 CATALOG NUMBER: SELW25

CANDELA DISTRIBUTION (continued):

	86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°
67.5°	42.7	36.9	31.2	26.3	21.4	5.8	1.2	0.3	0.4	0.3	0.2
70°	23.8	20.2	16.8	14.3	11.7	3.1	0.2	0.1	0.2	0.1	0.2
72.5°	9.6	8.1	6.8	6.0	5.0	1.3	0.2	0.2	0.1	0.1	0.1
75°	3.3	2.7	2.1	1.8	1.2	0.4	0.2	0.2	0.2	0.2	0.1
77.5°	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.0	0.1	0.0
80°	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
82.5°	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1
85°	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
87.5°	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P29446
 CATALOG NUMBER: SELW25

CANDELA DISTRIBUTION (continued):

	155°	165°	175°	180°
0°	9.2	9.2	9.2	9.2
1°	8.7	8.6	8.5	8.6
2°	8.1	8.1	8.0	8.2
3°	7.7	7.7	7.7	7.7
4°	7.4	7.2	7.1	7.2
5°	7.0	7.1	6.8	7.0
6°	6.9	7.0	6.8	7.0
7°	7.0	6.9	6.8	7.0
8°	6.9	6.9	6.8	6.9
9°	6.9	6.9	6.9	7.1
10°	6.8	6.9	6.8	7.0
11°	6.8	6.9	6.9	6.8
12°	6.8	6.9	6.8	6.9
13°	6.8	6.9	6.9	6.8
14°	6.8	6.8	6.8	6.7
15°	6.8	6.8	6.8	6.8
16°	6.7	6.7	6.8	6.7
17°	6.7	6.7	6.7	6.6
18°	6.6	6.6	6.6	6.5
19°	6.6	6.5	6.6	6.5
20°	6.5	6.4	6.5	6.3
21°	6.4	6.4	6.5	6.2
22°	6.4	6.3	6.3	6.3
23°	6.4	6.2	6.2	6.1
24°	6.3	6.2	6.2	6.2
25°	6.2	6.1	6.0	6.0
26°	6.1	6.1	6.0	5.9
27°	6.0	6.1	6.0	5.9
28°	5.9	6.0	5.9	6.0
29°	5.9	6.2	6.0	6.0
30°	5.9	6.1	6.0	6.0
32.5°	5.9	6.2	6.4	6.3
35°	6.0	6.4	6.7	6.9
37.5°	6.6	6.9	7.2	7.2
40°	5.6	6.1	6.9	7.0
42.5°	4.2	4.4	2.8	2.6
45°	3.8	1.6	0.6	0.6
47.5°	1.5	0.6	0.5	0.5
50°	0.5	0.5	0.4	0.5
52.5°	0.4	0.4	0.4	0.4
55°	0.3	0.4	0.4	0.4
57.5°	0.3	0.2	0.3	0.3
60°	0.2	0.2	0.1	0.1
62.5°	0.2	0.2	0.2	0.2
65°	0.1	0.2	0.2	0.1



TEST NUMBER: P29446
CATALOG NUMBER: SELW25

CANDELA DISTRIBUTION (continued):

	155°	165°	175°	180°
67.5°	0.2	0.2	0.1	0.1
70°	0.1	0.1	0.1	0.1
72.5°	0.1	0.1	0.1	0.0
75°	0.1	0.1	0.1	0.1
77.5°	0.0	0.1	0.1	0.1
80°	0.0	0.0	0.0	0.1
82.5°	0.0	0.0	0.1	0.0
85°	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)