

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: CORELITE

Report Number: P13890

Luminaire Tested: **J2S-L-1L35-1C-UNV-SU-WA**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P13890
Test Lab: INNOVATION CENTER P-1
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2S-L-1L35-1C-UNV-SU-WA
Description: CORELITE 2' WALL MOUNTED LED FIXTURE WITH WHITE PAINTED REFLECTOR AND FROSTED LENS. TEST RAN WITH 1.6 AMP RESISTOR INSTALLED.
Light Source: (49) ULM 3500K LED
1UT217049835
Ballast/Driver: (1) ADVANCE ELECTRONIC DRIVER
XI025C100V036XPL1

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 564.4 lumens
Efficiency: N/A
Efficacy: 53.2 lumens/watt
Spacing Criteria (0/90/45): 16.08 / 2.22 / 12.05
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.04' x H: 1.62')
CIE Type: General Diffuse

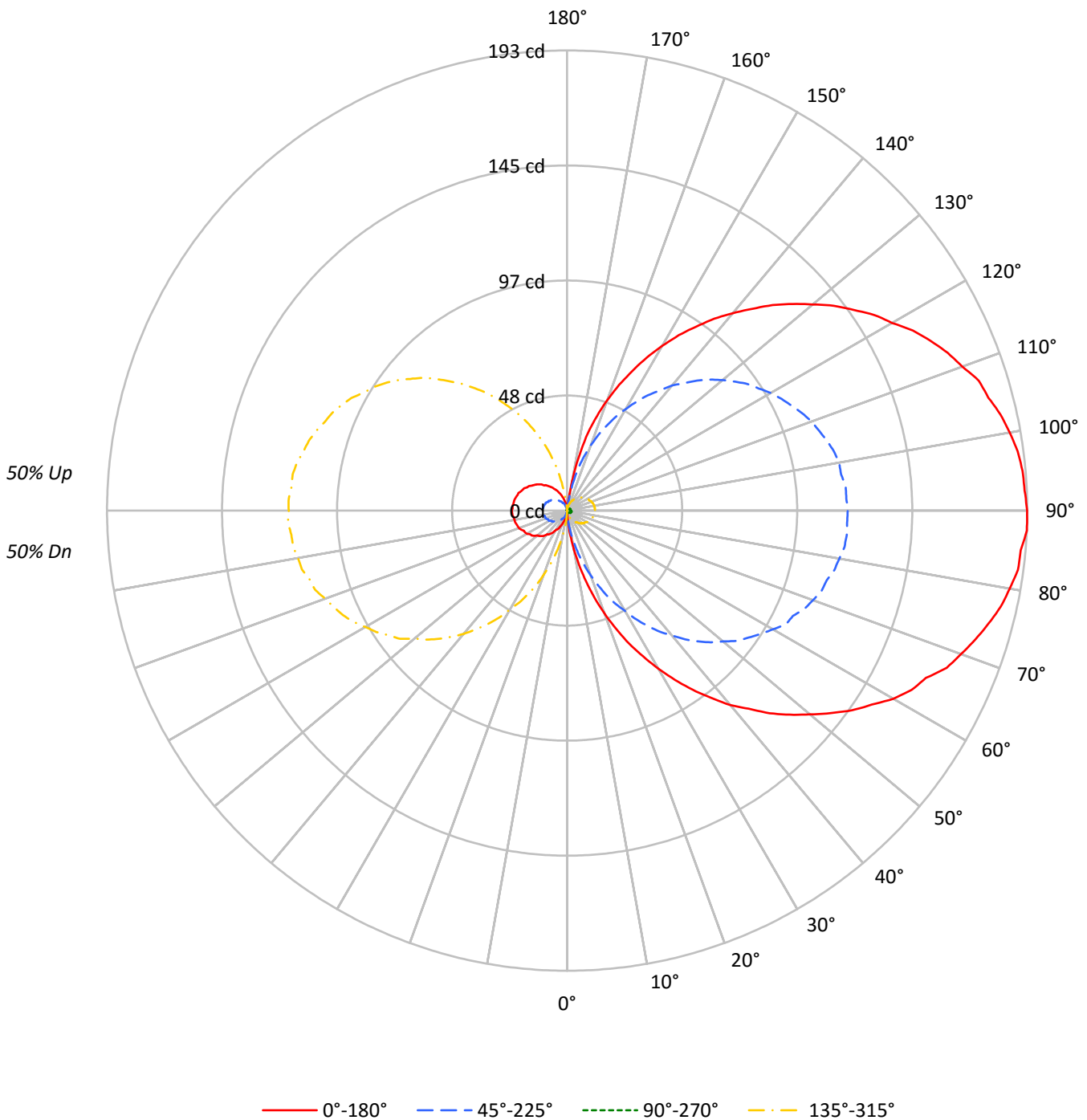
Input Watts (W): 10.6
Input Voltage (V): NR
Input Current (A_{in}): 0.45796
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	92	85	79	73	84	78	72	67	64	60	56	52	48	45	40	38	35	30
2	81	71	62	55	74	65	57	51	53	47	42	42	37	33	32	29	25	20
3	73	60	51	43	66	55	46	40	45	38	32	35	30	26	26	23	19	15
4	66	52	42	35	59	47	39	32	39	32	26	30	25	20	23	18	15	11
5	60	46	36	29	54	42	33	26	34	27	21	26	21	17	20	15	12	8
6	55	40	31	24	49	37	28	22	30	23	18	23	18	14	17	13	10	7
7	50	36	27	20	45	33	25	19	27	20	15	21	16	12	16	11	8	5
8	46	32	24	18	42	29	22	16	24	18	13	19	14	10	14	10	7	4
9	43	29	21	15	39	27	19	14	22	16	11	17	12	9	13	9	6	4
10	40	27	19	13	36	24	17	12	20	14	10	16	11	7	12	8	5	3

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	276	276	276	276
5°	878	251	47	150
10°	1483	238	186	119
15°	1912	198	255	66
20°	2224	256	294	57
25°	2440	277	317	25
30°	2588	182	311	23
35°	2724	250	348	0
40°	2840	213	347	0
45°	2928	292	368	0
50°	3002	191	366	0
55°	3093	267	386	0
60°	3174	292	392	16
65°	3199	190	385	0
70°	3276	312	400	0
75°	3324	217	400	0
80°	3366	264	400	0
85°	3379	282	407	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	3.0	0.5
20°-30°	9.3	1.7
30°-40°	18.7	3.3
40°-50°	30.1	5.3
50°-60°	41.9	7.4
60°-70°	52.7	9.3
70°-80°	60.9	10.8
80°-90°	65.3	11.6
90°-100°	65.2	11.6
100°-110°	60.7	10.8
110°-120°	52.4	9.3
120°-130°	41.8	7.4
130°-140°	30.1	5.3
140°-150°	19.0	3.4
150°-160°	9.7	1.7
160°-170°	3.1	0.5
170°-180°	0.2	0.0
0°-30°	12.6	2.2
0°-40°	31.3	5.6
0°-60°	103.3	18.3
0°-90°	282.2	50.0
90°-120°	178.3	31.6
90°-150°	269.2	47.7
90°-180°	282.0	50.0
0°-180°	564.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	6	0	0	0	6	1
15°	31	1	4	0	31	9
25°	62	1	8	0	62	29
35°	92	1	12	0	92	58
45°	120	2	15	0	120	93
55°	146	2	18	0	146	131
65°	166	1	20	0	166	166
75°	183	1	22	0	183	193
85°	191	2	23	0	191	156
90°	193	2	23	0	193	106
95°	192	2	23	0	192	156
105°	183	2	22	0	183	194
115°	168	1	21	0	168	167
125°	147	1	18	0	147	132
135°	122	1	16	0	122	94
145°	94	1	12	0	94	59
155°	64	1	8	0	64	30
165°	34	0	4	0	34	10
175°	0	1	1	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	1.5	1.4	1.4	1.4	1.5	1.5	1.4	1.5	1.3	1.2	1.1
5°	5.6	5.6	5.5	5.3	5.2	5.0	4.6	4.5	4.0	3.7	3.2
7.5°	10.5	10.3	10.1	10.4	10.0	9.1	8.4	8.1	7.2	6.6	5.8
10°	16.7	16.4	16.1	16.0	15.5	14.5	13.8	13.0	11.7	10.5	9.3
12.5°	23.4	23.2	22.8	22.3	21.4	20.4	19.2	17.8	16.3	14.6	12.7
15°	30.7	30.5	30.1	29.2	28.2	26.7	25.3	23.6	21.5	19.4	16.9
17.5°	38.5	38.0	37.3	37.0	35.3	33.6	31.5	29.4	26.6	24.1	21.3
20°	46.1	45.8	44.8	43.9	42.3	40.1	37.8	35.3	32.0	28.9	25.4
22.5°	53.7	53.2	52.5	51.3	49.5	47.0	44.3	41.4	37.7	33.8	30.0
25°	61.6	61.2	60.1	58.6	56.5	53.9	50.8	47.7	43.4	39.2	34.5
27.5°	68.9	68.8	67.6	66.2	63.8	60.8	57.4	53.6	48.8	44.2	39.1
30°	76.5	75.7	74.6	72.8	70.3	67.2	63.2	59.5	53.8	48.6	42.9
32.5°	84.2	83.6	82.2	80.6	78.0	74.0	70.2	65.7	59.8	54.2	47.7
35°	91.7	91.0	89.9	87.5	85.0	81.0	76.8	71.5	65.3	59.1	52.5
37.5°	98.9	98.2	97.2	94.6	91.5	87.6	82.5	77.2	70.6	64.1	56.8
40°	106.5	105.3	108.5	100.8	98.0	93.7	88.3	82.8	75.8	68.3	60.7
42.5°	112.7	112.7	110.9	108.7	104.4	99.9	94.2	88.5	80.8	73.2	65.1
45°	120.2	119.6	117.7	114.7	110.7	106.0	99.8	93.7	85.3	77.6	69.0
47.5°	126.7	126.1	124.1	121.3	117.0	111.4	105.3	98.2	90.1	81.8	72.7
50°	133.0	132.2	130.4	126.7	122.5	117.0	109.9	102.7	94.0	85.4	75.8
52.5°	139.5	139.1	137.0	133.3	128.7	122.6	115.3	107.7	99.2	89.7	79.7
55°	146.0	144.7	142.4	139.2	133.8	127.6	119.9	112.2	102.8	92.9	82.5
57.5°	151.5	150.0	148.2	144.5	139.0	132.5	124.4	116.3	106.2	96.2	85.3
60°	157.9	156.5	153.8	149.9	144.0	137.2	128.7	120.7	110.1	99.6	88.6
62.5°	162.9	161.7	159.4	155.2	148.9	141.4	133.1	123.7	113.4	103.4	90.7
65°	166.1	165.8	163.1	158.6	152.2	145.4	136.2	126.6	115.4	104.5	93.1
67.5°	172.3	170.8	168.1	163.5	157.1	148.9	139.6	130.1	118.6	107.7	95.9
70°	175.9	175.2	172.1	166.6	160.3	152.7	143.0	133.2	121.4	109.8	97.5
72.5°	179.6	178.5	175.7	170.9	163.7	154.8	145.7	136.1	123.4	111.9	99.2
75°	183.0	181.5	178.3	173.5	166.1	157.9	147.7	136.8	124.7	112.7	100.0
77.5°	186.3	184.4	181.9	175.9	169.6	160.5	150.2	139.8	126.8	114.8	101.8
80°	188.5	187.2	183.9	178.6	171.2	161.7	152.1	140.9	128.4	115.9	102.8
82.5°	190.7	189.2	185.3	180.9	172.4	163.3	152.6	142.5	129.1	117.3	103.4
85°	191.0	190.7	187.4	181.6	174.4	164.6	154.5	143.1	129.7	117.7	104.2
87.5°	193.0	191.7	188.3	181.6	174.5	165.2	154.3	143.3	130.7	117.5	104.2
90°	192.9	191.7	187.8	182.0	174.8	165.4	154.5	142.8	130.5	117.7	104.1
92.5°	192.1	190.4	188.4	181.8	174.5	164.5	155.0	142.8	129.6	117.2	103.9
95°	191.7	190.7	187.3	181.9	174.0	164.4	154.2	142.4	129.3	117.3	103.3
97.5°	190.6	188.5	185.3	180.1	172.0	163.8	153.0	142.0	128.7	115.9	102.8
100°	188.5	187.8	183.5	178.6	171.0	162.0	152.0	140.4	127.8	115.8	102.1
102.5°	186.2	185.4	182.3	176.9	168.7	160.0	149.8	139.4	126.4	114.6	101.2
105°	182.9	182.5	179.4	173.6	166.4	158.1	148.0	136.9	124.8	112.9	99.7
107.5°	181.1	178.7	176.0	170.8	163.2	155.0	145.3	134.7	122.8	110.9	98.1
110°	176.4	174.9	172.4	167.2	160.7	151.9	142.7	131.8	120.8	109.1	96.4



TEST NUMBER: P13890

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	172.8	171.5	168.4	163.2	156.9	148.8	139.6	129.4	117.9	106.7	94.5
115°	168.3	166.3	163.5	159.0	153.3	145.4	135.8	126.3	115.1	104.0	91.9
117.5°	163.5	162.1	159.3	154.9	148.7	141.4	132.6	123.0	112.4	101.4	89.8
120°	157.4	157.0	154.0	149.9	144.0	136.8	128.2	119.1	108.8	98.6	87.1
122.5°	152.7	151.9	148.5	144.6	138.9	132.6	124.1	116.0	105.4	95.3	84.2
125°	146.7	146.3	143.0	139.7	134.5	127.7	119.8	111.4	101.6	92.5	81.7
127.5°	141.1	140.2	138.0	134.2	129.0	122.6	115.2	107.3	98.1	88.8	78.4
130°	134.5	133.9	131.0	128.2	123.3	117.1	110.4	102.7	93.8	85.1	75.3
132.5°	128.3	127.5	125.0	122.1	117.8	112.2	105.5	98.1	89.4	81.3	71.6
135°	121.9	121.1	119.1	116.0	111.6	106.5	100.0	93.3	85.3	77.1	68.0
137.5°	114.7	113.8	111.8	109.3	105.6	100.0	94.3	87.6	80.2	72.4	64.1
140°	108.0	107.2	105.7	102.9	99.0	94.4	88.7	82.6	75.5	68.5	60.1
142.5°	101.4	100.5	98.7	95.9	92.7	87.8	82.5	77.4	70.6	63.4	55.9
145°	94.1	93.3	91.8	89.5	86.4	82.1	77.2	71.9	65.5	59.0	51.9
147.5°	87.2	86.4	84.7	83.1	79.7	75.5	71.3	66.3	60.2	54.1	47.5
150°	79.7	78.8	77.7	75.6	72.5	68.9	64.6	60.5	54.8	49.2	43.2
152.5°	72.4	71.5	70.0	68.3	65.8	62.4	58.7	54.3	49.5	44.4	38.6
155°	64.4	64.1	62.9	61.3	58.8	55.8	52.2	48.6	43.9	39.3	34.4
157.5°	57.1	56.5	55.5	53.9	51.5	49.1	45.7	42.4	38.2	34.5	29.8
160°	49.3	48.7	47.7	46.4	44.5	42.2	39.3	36.5	32.7	29.2	25.3
162.5°	41.6	41.2	40.4	39.1	37.3	35.4	33.1	30.5	27.1	23.9	20.7
165°	33.8	33.4	32.6	31.8	30.3	28.4	26.0	23.9	21.1	18.6	16.0
167.5°	24.0	23.6	23.1	22.1	21.1	19.7	18.2	16.6	14.7	13.0	11.3
170°	13.9	13.6	13.0	12.7	12.1	11.2	10.3	9.7	8.5	7.4	6.3
172.5°	5.5	5.2	4.9	4.6	4.6	4.2	3.8	3.7	3.2	2.9	2.6
175°	0.2	0.1	0.2	0.3	0.5	0.4	0.6	0.8	0.8	0.8	0.7
177.5°	0.1	0.1	0.3	0.4	0.4	0.4	0.6	0.7	0.5	0.6	0.5
180°	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):

	55°	60°	65°	70°	75°	80°	85°	90°	112.5°	135°	157.5°
0°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	1.1	0.9	0.8	0.9	0.6	0.5	0.5	0.4	0.0	0.0	0.0
5°	2.8	2.3	1.9	1.5	1.2	0.8	0.7	0.5	0.4	0.1	0.2
7.5°	4.8	4.1	3.2	2.3	1.5	1.0	0.9	0.1	0.2	0.2	0.6
10°	8.0	6.8	5.5	4.1	2.8	1.8	1.1	0.6	0.8	1.0	1.7
12.5°	11.0	9.6	7.4	5.6	4.0	2.5	1.3	0.5	1.0	1.5	2.4
15°	14.7	12.1	9.8	7.5	5.2	3.3	1.7	0.6	1.5	2.0	3.4
17.5°	18.1	15.0	12.2	9.4	6.6	4.2	2.3	0.8	1.8	2.6	4.1
20°	22.0	18.3	14.6	11.2	7.9	5.0	2.6	0.9	2.1	3.2	4.9
22.5°	25.7	21.3	17.2	13.1	9.2	5.9	2.8	0.9	2.3	3.4	5.5
25°	29.6	24.5	20.2	15.1	10.6	6.7	3.4	1.1	2.6	4.3	6.4
27.5°	33.6	27.9	22.5	17.1	11.9	7.5	4.0	1.2	2.9	4.5	7.0
30°	37.0	30.5	24.4	18.3	12.7	7.6	3.4	0.8	2.4	4.4	7.0
32.5°	41.3	34.4	27.6	20.9	14.7	9.0	4.3	1.1	3.1	5.3	8.2
35°	45.4	38.4	30.6	23.1	16.3	10.0	4.8	1.2	3.5	5.8	8.7
37.5°	48.9	40.8	32.9	25.1	17.3	10.8	5.2	1.2	3.9	6.2	9.3
40°	52.5	43.9	35.2	26.7	18.4	11.3	5.3	1.1	3.7	6.4	9.5
42.5°	56.3	47.2	38.0	29.0	20.3	12.4	5.9	1.6	4.4	7.1	10.2
45°	59.6	49.8	40.4	30.6	21.4	13.0	6.2	1.6	4.4	7.4	10.7
47.5°	62.8	52.5	42.4	32.3	22.6	13.8	6.4	1.4	4.7	8.2	11.4
50°	65.6	54.9	44.5	33.7	23.4	14.3	6.6	1.1	4.5	7.9	11.4
52.5°	68.8	57.8	47.0	35.8	25.4	15.4	7.4	1.7	5.4	8.8	12.3
55°	71.6	60.3	48.7	37.2	26.0	15.8	7.4	1.6	5.3	8.9	12.5
57.5°	74.2	62.1	50.4	38.4	26.6	16.1	7.3	1.4	5.2	9.1	12.5
60°	76.6	64.4	52.6	40.2	27.9	17.1	7.9	1.8	5.6	9.6	13.1
62.5°	78.8	66.3	54.3	41.4	28.8	17.5	8.1	1.8	5.8	9.9	13.5
65°	80.5	67.4	55.1	42.0	29.1	17.5	7.8	1.2	5.4	9.7	13.3
67.5°	82.7	69.8	56.8	43.5	30.3	18.4	8.5	1.7	6.1	10.6	14.0
70°	84.4	70.9	57.8	44.4	31.2	18.9	8.6	2.0	6.6	10.8	14.4
72.5°	85.8	72.2	58.8	45.0	31.3	18.9	8.6	1.7	6.3	10.8	14.2
75°	86.7	73.0	59.3	45.5	31.4	19.0	8.2	1.4	6.1	11.0	14.3
77.5°	88.2	74.1	60.4	46.2	32.2	19.5	8.8	1.9	6.6	11.3	14.5
80°	88.9	75.1	61.0	46.6	32.5	19.6	8.7	1.7	6.7	11.4	14.4
82.5°	89.7	75.3	61.6	46.9	32.8	19.9	8.9	1.8	6.6	11.5	14.6
85°	90.0	75.5	61.6	47.4	33.1	19.9	9.3	1.8	6.8	11.5	14.7
87.5°	90.3	75.7	62.3	47.4	33.0	20.0	8.8	1.8	6.7	11.8	14.7
90°	90.0	75.7	61.6	47.1	32.8	19.8	8.8	1.7	6.6	11.8	14.7
92.5°	89.9	75.7	61.6	47.4	32.7	19.5	8.5	1.6	6.8	11.6	14.3
95°	89.8	75.5	61.2	47.1	32.5	19.8	8.8	1.8	6.8	11.7	14.4
97.5°	89.0	74.8	60.7	46.9	32.4	19.4	8.5	1.5	6.6	11.6	14.1
100°	88.5	74.6	60.4	46.2	32.2	19.3	8.6	1.7	6.8	11.5	14.0
102.5°	87.4	73.4	59.8	45.5	31.5	19.0	8.6	1.7	6.6	11.4	13.7
105°	86.5	72.7	59.0	44.7	31.0	18.6	8.2	1.6	6.4	11.3	13.5
107.5°	85.1	71.4	57.9	44.0	30.6	18.3	8.0	1.6	6.4	11.0	13.0
110°	83.6	70.4	57.1	43.2	30.0	17.8	7.9	1.6	6.5	10.9	12.9



TEST NUMBER: P13890

CATALOG NUMBER: J2S-L-1L35-1C-UNV-SU-WA

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	112.5°	135°	157.5°
112.5°	81.5	68.3	55.6	42.2	29.1	17.4	7.6	1.3	6.2	10.7	12.4
115°	79.7	66.9	53.9	41.1	28.3	16.9	7.1	1.1	5.7	10.1	12.3
117.5°	77.8	65.3	52.6	40.0	27.6	16.4	7.1	1.5	6.0	10.2	12.1
120°	75.2	62.8	51.1	38.6	26.3	15.5	6.7	1.1	5.8	9.6	11.5
122.5°	73.1	61.0	49.4	37.1	25.6	15.3	6.6	1.4	5.6	9.6	11.5
125°	70.7	58.8	47.5	35.7	24.7	14.5	6.2	1.3	5.5	9.2	10.8
127.5°	67.6	56.5	45.6	34.4	23.4	13.9	6.1	1.2	5.2	9.0	10.7
130°	64.5	54.1	43.4	32.5	22.2	13.2	5.6	1.1	4.9	8.4	10.2
132.5°	62.0	51.8	41.3	31.1	21.1	12.5	5.2	1.1	5.1	8.2	10.0
135°	58.5	48.6	39.0	29.1	19.8	11.6	4.9	1.1	4.6	7.8	9.4
137.5°	55.0	45.6	36.3	27.2	18.4	10.6	4.3	0.9	4.2	7.1	8.8
140°	51.6	42.7	33.9	25.4	17.2	10.1	4.1	1.1	4.3	6.9	8.7
142.5°	48.0	39.7	31.5	23.4	15.7	9.1	3.7	0.8	3.8	6.3	7.9
145°	44.3	36.5	29.1	21.6	14.5	8.4	3.4	1.1	3.9	6.2	7.9
147.5°	40.6	33.5	26.5	19.7	13.1	7.7	3.2	1.1	3.6	5.8	7.4
150°	36.9	30.2	23.7	17.6	11.8	6.8	2.7	0.8	3.2	5.2	7.0
152.5°	32.8	26.8	21.3	15.6	10.4	5.9	2.3	0.8	3.1	4.7	6.6
155°	29.0	23.5	18.5	13.6	9.1	5.1	2.2	0.8	3.0	4.5	6.2
157.5°	25.1	20.3	16.0	11.7	7.6	4.3	1.7	0.7	2.5	3.9	5.6
160°	21.0	16.9	13.2	9.6	6.2	3.5	1.4	0.7	2.3	3.4	5.4
162.5°	17.2	13.7	10.7	7.7	5.1	2.7	1.0	0.6	1.8	2.9	4.6
165°	13.4	10.7	8.3	5.8	3.7	1.8	0.5	0.4	1.6	2.3	3.6
167.5°	9.3	7.4	5.7	4.1	2.4	1.4	0.5	0.5	1.3	1.9	3.2
170°	5.3	4.4	3.4	2.4	1.5	0.9	0.6	0.6	1.1	1.4	2.2
172.5°	2.3	1.8	1.4	1.1	0.8	0.6	0.5	0.6	0.9	0.8	1.6
175°	0.7	0.7	0.7	0.6	0.5	0.5	0.6	0.7	0.6	0.4	0.6
177.5°	0.6	0.6	0.5	0.6	0.6	0.5	0.5	0.5	0.2	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P13890

CATALOG NUMBER: J2S-L-1L35-1C-UNV-SU-WA

CANDELA DISTRIBUTION (continued):

	180°	202.5°	225°	247.5°	270°	275°	280°	285°	290°	295°	300°
0°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.5	0.5	0.6	0.7
5°	0.3	0.3	0.2	0.0	0.3	0.5	0.7	1.1	1.7	2.1	2.3
7.5°	1.2	0.6	0.2	0.0	0.0	0.6	1.0	1.7	2.6	3.5	4.2
10°	2.1	1.8	0.9	0.3	0.3	1.0	1.8	3.1	4.4	5.7	6.8
12.5°	2.8	2.6	1.0	0.5	0.3	1.0	2.4	4.1	5.7	7.4	9.3
15°	4.1	3.6	1.8	0.8	0.2	1.5	3.3	5.3	7.4	9.9	12.1
17.5°	5.1	4.5	2.2	1.0	0.2	1.9	3.9	6.3	9.4	12.1	14.8
20°	6.1	5.4	2.6	1.2	0.2	2.1	4.6	7.5	11.0	14.3	18.0
22.5°	6.9	6.1	2.9	1.4	0.2	2.3	5.3	8.8	12.5	16.7	20.9
25°	8.0	7.6	3.5	1.6	0.1	2.6	6.3	10.2	14.6	19.8	24.1
27.5°	9.0	7.9	3.8	1.7	0.0	2.7	6.8	11.2	16.1	21.5	27.1
30°	9.2	7.9	3.9	1.3	0.1	2.3	6.6	11.6	17.7	23.6	29.8
32.5°	10.7	9.2	4.4	2.0	0.0	3.1	7.8	13.6	19.7	26.6	33.3
35°	11.7	9.8	5.1	2.4	0.0	3.6	8.5	14.8	21.7	29.0	36.6
37.5°	12.6	10.3	5.4	2.4	0.0	3.6	9.3	15.8	23.6	31.6	39.7
40°	13.0	10.3	5.5	2.3	0.0	3.7	9.6	16.9	24.9	33.7	42.3
42.5°	14.4	11.0	6.1	2.8	0.0	4.4	10.8	18.2	26.9	36.2	45.7
45°	15.1	11.5	6.5	2.8	0.0	4.5	11.3	19.3	28.6	38.5	48.4
47.5°	15.8	11.6	6.7	2.9	0.0	4.6	11.9	21.0	30.5	40.9	51.1
50°	16.2	11.6	7.0	2.8	0.0	4.3	12.1	21.1	31.5	42.2	53.4
52.5°	17.4	12.4	7.6	3.4	0.0	5.1	13.0	22.7	33.4	45.2	56.4
55°	18.2	12.4	7.9	3.4	0.0	5.0	13.6	23.6	34.9	46.4	58.7
57.5°	18.4	12.4	7.9	3.3	0.0	5.0	13.7	24.1	35.8	48.2	60.5
60°	19.5	13.0	8.7	3.8	0.1	5.5	14.5	25.4	37.4	50.2	62.9
62.5°	19.9	13.0	8.8	3.8	0.1	5.6	14.9	26.2	38.9	51.6	64.8
65°	20.0	12.7	8.7	3.5	0.0	5.3	14.9	26.4	39.5	52.8	65.7
67.5°	20.9	13.8	9.3	4.1	0.0	6.0	15.8	27.7	40.6	54.4	68.2
70°	21.5	13.3	9.6	4.2	0.0	6.5	16.7	28.2	41.9	55.9	69.5
72.5°	21.7	13.4	9.6	4.2	0.0	6.2	16.6	28.9	42.4	56.6	70.6
75°	22.0	13.6	9.6	4.1	0.0	5.8	16.3	28.7	42.5	56.8	71.5
77.5°	22.4	13.4	9.9	4.4	0.0	6.2	16.9	29.7	43.6	58.3	72.4
80°	22.4	13.4	10.1	4.4	0.0	6.2	17.0	29.9	44.2	58.7	73.4
82.5°	22.6	13.5	10.2	4.4	0.0	6.4	17.2	30.3	44.5	59.1	74.0
85°	23.0	13.4	10.4	4.5	0.0	6.4	17.2	30.4	44.9	59.6	74.8
87.5°	23.1	13.3	10.3	4.5	0.0	6.4	17.4	30.6	45.1	60.0	74.7
90°	23.2	12.9	10.4	4.5	0.0	6.4	17.3	30.6	45.0	60.1	74.8
92.5°	22.9	12.6	10.5	4.5	0.0	6.3	17.7	30.4	44.8	59.9	74.9
95°	23.0	12.4	10.3	4.5	0.0	6.5	17.6	30.6	44.8	59.9	74.5
97.5°	22.7	12.0	10.1	4.6	0.0	6.5	17.4	30.4	44.6	59.2	74.5
100°	22.6	11.8	10.1	4.5	0.0	6.4	17.4	30.2	44.4	59.1	73.7
102.5°	22.5	11.5	9.9	4.4	0.0	6.4	16.9	29.9	43.9	58.4	73.0
105°	22.1	11.1	9.8	4.2	0.0	6.3	16.9	29.4	43.5	57.7	71.8
107.5°	21.8	10.6	9.5	4.2	0.0	6.3	16.7	29.0	42.7	57.1	71.0
110°	21.7	10.5	9.6	4.2	0.1	6.2	16.4	28.4	41.9	55.9	69.8



TEST NUMBER: P13890

CATALOG NUMBER: J2S-L-1L35-1C-UNV-SU-WA

CANDELA DISTRIBUTION (continued):

	180°	202.5°	225°	247.5°	270°	275°	280°	285°	290°	295°	300°
112.5°	21.0	10.0	9.2	4.0	0.0	6.1	16.1	27.9	41.2	54.9	68.3
115°	20.6	9.5	8.6	4.0	0.0	5.9	15.4	27.4	40.3	53.3	67.0
117.5°	20.3	9.5	8.8	3.8	0.1	6.0	15.4	26.7	39.2	52.6	65.5
120°	19.4	8.9	8.1	3.4	0.0	5.7	14.8	26.0	38.1	50.8	63.5
122.5°	19.1	9.0	8.1	3.5	0.0	5.6	14.7	25.1	37.1	49.5	62.1
125°	18.2	8.6	7.8	3.4	0.0	5.5	14.0	24.3	35.7	47.8	59.5
127.5°	17.6	8.5	7.3	3.3	0.0	5.2	13.5	23.3	34.4	45.9	57.6
130°	17.0	8.2	7.1	3.1	0.0	5.1	13.0	22.4	32.8	44.0	55.1
132.5°	16.3	8.0	6.8	3.0	0.2	5.0	12.7	21.4	31.5	41.9	52.4
135°	15.6	7.8	6.2	2.7	0.0	4.8	11.9	20.3	30.1	40.0	50.1
137.5°	14.3	7.2	5.7	2.2	0.0	4.4	10.9	19.0	27.9	37.7	46.9
140°	13.9	7.4	5.5	2.4	0.0	4.4	10.6	18.2	26.5	35.6	44.7
142.5°	12.9	6.9	4.9	2.1	0.0	4.3	10.0	16.9	24.6	33.2	41.4
145°	12.2	6.9	4.7	2.2	0.0	4.0	9.4	15.8	23.1	30.9	38.6
147.5°	11.4	6.6	4.5	1.8	0.0	3.8	8.7	14.7	21.3	28.5	35.7
150°	10.3	6.3	3.8	1.5	0.1	3.4	8.0	13.3	19.6	26.0	32.6
152.5°	9.6	6.0	3.6	1.5	0.2	3.2	7.5	12.3	17.7	23.4	29.4
155°	8.5	5.8	3.4	1.5	0.4	3.1	6.7	11.0	16.0	21.1	26.4
157.5°	7.7	5.4	2.8	1.3	0.3	2.7	6.1	9.8	13.9	18.7	23.3
160°	6.5	4.9	2.3	0.7	0.3	2.3	5.1	8.3	11.9	15.9	20.0
162.5°	5.6	4.5	1.9	0.7	0.3	2.0	4.4	7.3	10.2	13.5	16.7
165°	4.5	3.6	1.4	0.3	0.1	1.6	3.6	5.7	8.2	10.7	13.2
167.5°	3.6	3.0	1.2	0.1	0.2	1.3	2.7	4.2	6.2	7.9	9.7
170°	2.8	2.1	0.7	0.0	0.0	0.8	1.6	2.8	4.0	5.0	6.3
172.5°	1.8	1.3	0.2	0.0	0.0	0.2	0.7	1.2	1.8	2.3	2.7
175°	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.3
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P13890

CATALOG NUMBER: J2S-L-1L35-1C-UNV-SU-WA

CANDELA DISTRIBUTION (continued):

	305°	310°	315°	320°	325°	330°	335°	340°	345°	350°	355°
0°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	0.7	0.7	0.7	0.8	1.0	0.9	1.2	1.2	1.2	1.3	1.3
5°	2.9	3.0	3.5	4.1	4.3	4.6	4.9	5.1	5.3	5.5	5.6
7.5°	4.9	5.8	6.5	7.1	7.8	8.4	9.1	9.3	9.9	10.0	10.4
10°	8.0	9.3	10.6	11.8	12.6	13.7	14.6	15.2	15.9	16.3	16.6
12.5°	11.2	12.9	14.6	16.1	17.9	19.3	20.3	21.3	22.2	23.0	23.3
15°	14.4	16.9	19.0	21.4	23.4	25.0	26.7	28.2	29.2	29.9	30.5
17.5°	17.9	20.9	23.6	26.6	28.9	31.4	33.3	35.0	36.4	37.2	38.0
20°	21.5	25.0	28.5	32.0	35.0	37.6	40.0	42.2	43.6	44.8	45.4
22.5°	25.2	29.5	33.7	37.2	41.1	44.1	47.0	49.2	51.0	52.6	53.2
25°	28.8	33.8	38.6	43.0	46.8	51.1	53.9	56.4	58.6	60.2	60.9
27.5°	32.6	38.0	43.5	48.4	53.1	56.9	60.3	63.3	66.0	67.5	68.9
30°	35.7	42.1	47.7	53.2	58.3	62.7	66.6	69.9	72.2	74.2	75.9
32.5°	40.1	46.8	53.3	59.3	64.5	69.8	73.5	77.3	80.1	82.3	83.8
35°	44.0	51.1	58.1	64.7	70.6	75.7	80.6	84.2	87.8	89.8	91.0
37.5°	47.8	55.1	62.6	69.8	76.2	81.6	87.1	91.2	94.6	97.2	98.2
40°	50.8	59.2	67.5	75.1	81.2	87.7	93.1	97.4	101.2	103.7	105.0
42.5°	54.8	63.7	71.8	79.5	87.0	93.4	99.3	104.4	107.7	110.7	112.5
45°	57.9	67.2	76.1	84.6	92.2	99.3	105.1	110.5	114.2	117.7	119.2
47.5°	61.6	71.0	80.1	88.7	97.3	105.0	110.8	116.7	120.8	124.1	126.4
50°	63.7	73.7	83.5	93.0	101.6	109.3	116.4	121.8	127.0	130.4	132.8
52.5°	67.1	77.9	88.4	98.2	107.0	115.1	122.0	128.1	132.7	136.7	138.9
55°	69.5	81.0	91.2	102.0	110.8	119.4	127.1	133.6	139.0	142.5	144.8
57.5°	71.8	83.5	94.8	104.7	115.0	123.4	132.2	138.4	144.1	148.0	150.1
60°	74.9	86.8	97.7	109.3	118.6	128.4	136.1	143.3	149.4	153.4	156.4
62.5°	76.9	89.3	101.1	112.0	122.4	132.4	140.8	148.0	154.2	158.4	161.4
65°	79.0	91.2	103.7	114.4	125.2	135.8	144.5	151.5	158.8	162.9	166.0
67.5°	80.8	93.8	105.9	117.5	128.6	139.2	148.5	157.1	163.4	168.5	171.4
70°	82.9	95.9	108.0	120.5	131.9	142.2	151.5	160.7	167.4	171.9	175.1
72.5°	84.0	97.5	110.8	122.6	134.3	144.9	155.1	163.3	170.4	175.7	179.2
75°	84.9	98.4	111.8	123.8	135.6	146.6	157.0	165.8	173.3	178.2	182.1
77.5°	85.9	99.9	114.0	126.5	138.6	149.2	160.0	168.5	176.7	181.3	185.1
80°	87.0	101.1	114.6	127.8	139.9	151.5	161.9	170.9	177.8	184.3	186.9
82.5°	88.1	102.1	115.9	128.8	141.3	152.3	162.9	172.3	179.7	186.2	189.1
85°	88.5	102.6	116.1	129.4	142.0	154.0	164.1	173.0	181.4	186.8	189.7
87.5°	89.0	103.0	117.2	130.0	142.5	154.5	164.5	174.8	182.3	187.4	191.5
90°	88.8	103.2	116.8	130.2	142.3	154.7	165.0	174.4	182.6	188.1	191.1
92.5°	89.1	103.1	116.9	129.5	142.5	154.2	165.5	174.0	182.8	187.6	190.7
95°	88.8	102.8	116.0	129.7	141.9	153.7	164.9	173.6	181.2	187.1	190.0
97.5°	88.2	102.0	116.1	128.8	140.8	152.8	163.5	172.4	180.5	185.4	188.7
100°	87.8	101.5	115.1	127.6	140.3	151.5	161.8	171.0	178.0	183.8	187.3
102.5°	86.6	100.5	113.4	126.8	138.7	149.3	160.3	168.4	176.4	182.1	184.6
105°	85.7	98.9	112.3	124.6	137.3	148.2	158.0	166.3	174.3	179.4	182.3
107.5°	84.4	98.3	110.5	123.1	134.9	145.7	155.3	163.5	171.2	175.9	179.3
110°	83.2	96.1	108.3	121.3	132.1	143.3	152.7	160.9	168.3	173.0	175.8



TEST NUMBER: P13890

CATALOG NUMBER: J2S-L-1L35-1C-UNV-SU-WA

CANDELA DISTRIBUTION (continued):

	305°	310°	315°	320°	325°	330°	335°	340°	345°	350°	355°
112.5°	81.6	94.7	106.8	118.9	129.7	140.2	149.2	157.7	163.8	168.9	171.1
115°	79.8	92.1	104.5	115.7	126.1	136.1	145.8	153.7	160.1	164.5	167.2
117.5°	77.8	90.1	102.1	113.2	123.9	132.7	142.3	149.6	155.5	159.6	162.2
120°	75.2	87.6	98.8	109.6	119.8	129.1	137.3	144.7	150.2	154.8	157.4
122.5°	73.4	85.0	96.3	106.4	116.7	125.1	133.6	140.1	145.7	149.1	151.7
125°	71.0	82.2	93.2	102.8	112.2	121.4	128.5	135.0	140.1	144.4	146.2
127.5°	68.5	79.1	89.8	99.0	108.3	116.5	123.4	129.7	134.2	138.2	140.5
130°	65.5	76.1	85.9	95.2	103.3	111.3	118.3	123.9	128.4	132.1	133.6
132.5°	62.6	72.6	82.4	90.8	99.4	106.7	113.1	118.4	122.6	125.5	127.4
135°	59.5	69.0	78.1	86.4	94.1	101.1	107.3	112.4	116.5	119.6	120.9
137.5°	55.9	64.8	73.6	81.9	89.2	95.5	101.4	106.0	110.0	112.2	114.2
140°	53.2	61.6	69.6	77.2	84.0	89.7	95.5	100.3	103.9	106.0	107.9
142.5°	49.6	57.5	65.0	72.1	79.1	84.4	89.3	93.7	96.9	99.2	100.3
145°	46.2	53.7	60.8	67.3	73.4	78.7	83.3	87.1	90.4	92.4	93.5
147.5°	42.5	49.6	56.1	61.9	67.9	72.7	77.1	80.8	83.2	85.6	86.9
150°	38.9	45.1	51.3	57.0	62.0	66.7	70.6	73.7	76.4	78.5	79.1
152.5°	35.2	41.3	46.5	51.4	56.1	60.3	63.8	66.8	68.9	71.2	71.9
155°	31.6	36.7	41.7	46.5	50.3	54.3	57.4	59.9	62.3	63.6	64.3
157.5°	27.8	32.5	36.7	40.7	44.5	47.4	50.5	52.8	54.6	56.0	56.6
160°	23.9	27.7	31.6	35.4	38.4	41.2	43.6	45.7	47.2	48.6	48.9
162.5°	20.1	23.2	26.4	29.7	32.4	34.7	37.2	38.5	40.0	41.1	41.4
165°	15.9	18.6	20.9	23.4	25.4	27.7	29.3	31.1	31.9	33.0	33.5
167.5°	11.6	13.5	15.3	17.0	18.6	19.9	21.2	22.2	23.2	23.5	23.9
170°	7.3	8.2	9.5	10.3	11.3	12.0	12.7	13.4	13.6	13.9	14.1
172.5°	3.0	3.5	3.9	4.1	4.5	5.0	5.1	5.1	5.2	5.3	5.4
175°	0.5	0.3	0.4	0.5	0.5	0.2	0.4	0.1	0.0	0.1	0.3
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P13890

CATALOG NUMBER: J2S-L-1L35-1C-UNV-SU-WA

CANDELA DISTRIBUTION (continued):

	360°
0°	0.4
2.5°	1.5
5°	5.6
7.5°	10.5
10°	16.7
12.5°	23.4
15°	30.7
17.5°	38.5
20°	46.1
22.5°	53.7
25°	61.6
27.5°	68.9
30°	76.5
32.5°	84.2
35°	91.7
37.5°	98.9
40°	106.5
42.5°	112.7
45°	120.2
47.5°	126.7
50°	133.0
52.5°	139.5
55°	146.0
57.5°	151.5
60°	157.9
62.5°	162.9
65°	166.1
67.5°	172.3
70°	175.9
72.5°	179.6
75°	183.0
77.5°	186.3
80°	188.5
82.5°	190.7
85°	191.0
87.5°	193.0
90°	192.9
92.5°	192.1
95°	191.7
97.5°	190.6
100°	188.5
102.5°	186.2
105°	182.9
107.5°	181.1
110°	176.4



TEST NUMBER: P13890

CATALOG NUMBER: J2S-L-1L35-1C-UNV-SU-WA

CANDELA DISTRIBUTION (continued):

	360°
112.5°	172.8
115°	168.3
117.5°	163.5
120°	157.4
122.5°	152.7
125°	146.7
127.5°	141.1
130°	134.5
132.5°	128.3
135°	121.9
137.5°	114.7
140°	108.0
142.5°	101.4
145°	94.1
147.5°	87.2
150°	79.7
152.5°	72.4
155°	64.4
157.5°	57.1
160°	49.3
162.5°	41.6
165°	33.8
167.5°	24.0
170°	13.9
172.5°	5.5
175°	0.2
177.5°	0.1
180°	0.0

(END OF REPORT)