

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: P13880

Luminaire Tested: **J2S-L-1L30-1C-UNV-SU-WA**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P13880
Test Lab: INNOVATION CENTER P-1
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2S-L-1L30-1C-UNV-SU-WA
Description: CORELITE 2' WALL MOUNTED LED FIXTURE WITH WHITE PAINTED REFLECTOR AND CLEAR FROSTED LENS. TEST RAN WITH 1.6A RESISTOR INSTALLED.
Light Source: (49) ULM 3000K LED
1UT217049830
Ballast/Driver: (1) ADVANCE ELECTRONIC DRIVER
XI025C100V036XPL1

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 564.6 lumens
Efficiency: N/A
Efficacy: 53.3 lumens/watt
Spacing Criteria (0/90/45): 20.41 / 2.87 / 15.22
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.04' x H: 1.62')
CIE Type: General Diffuse

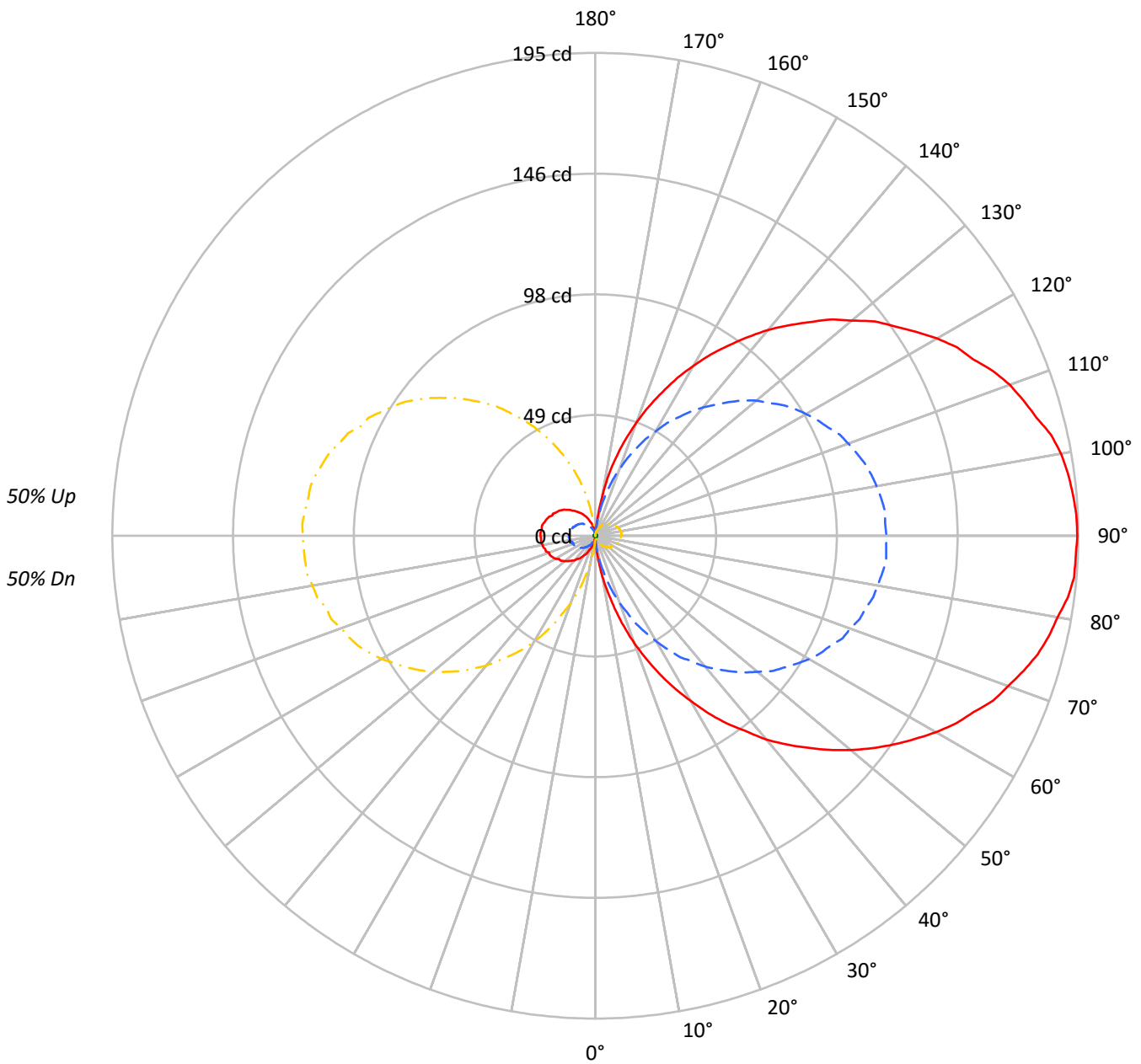
Input Watts (W): 10.6
Input Voltage (V): NR
Input Current (A_{in}): 0.45813
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: 3 HR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



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



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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	36	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	33	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°	138	138	138	138
5°	878	301	31	100
10°	1501	198	160	119
15°	1912	165	230	0
20°	2234	284	270	114
25°	2448	176	305	101
30°	2605	91	308	68
35°	2748	125	336	104
40°	2864	155	347	97
45°	2950	146	348	55
50°	3038	122	359	70
55°	3114	117	366	67
60°	3190	113	374	97
65°	3245	95	377	48
70°	3304	47	371	31
75°	3358	62	380	31
80°	3384	93	386	93
85°	3432	63	389	63



TEST NUMBER: P13880

CATALOG NUMBER: J2S-L-1L30-1C-UNV-SU-WA

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.1
10°-20°	3.0	0.5
20°-30°	9.3	1.7
30°-40°	18.8	3.3
40°-50°	30.2	5.3
50°-60°	41.9	7.4
60°-70°	52.8	9.3
70°-80°	60.8	10.8
80°-90°	65.4	11.6
90°-100°	65.3	11.6
100°-110°	60.8	10.8
110°-120°	52.4	9.3
120°-130°	41.8	7.4
130°-140°	30.0	5.3
140°-150°	18.9	3.3
150°-160°	9.6	1.7
160°-170°	3.1	0.6
170°-180°	0.2	0.0
0°-30°	12.6	2.2
0°-40°	31.4	5.6
0°-60°	103.5	18.3
0°-90°	282.4	50.0
90°-120°	178.5	31.6
90°-150°	269.2	47.7
90°-180°	282.0	50.0
0°-180°	564.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	0	0	0	0	0	
5°	6	1	0	0	6	1
15°	31	0	4	0	31	9
25°	62	1	8	0	62	29
35°	92	1	11	0	92	58
45°	121	1	14	0	121	94
55°	147	1	17	0	147	132
65°	168	1	20	0	168	168
75°	185	0	21	0	185	195
85°	194	0	22	0	194	157
90°	195	1	22	1	195	107
95°	194	1	22	1	194	158
105°	184	1	21	1	184	195
115°	168	0	19	0	168	168
125°	147	1	18	1	147	133
135°	122	1	15	1	122	95
145°	94	0	12	0	94	59
155°	64	0	8	0	64	30
165°	33	0	4	0	33	10
175°	1	0	1	0	1	1
180°	0	0	0	0	0	



TEST NUMBER: P13880

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2.5°	1.7	1.7	1.8	1.7	1.7	1.6	1.8	1.6	1.6	1.4	1.4
5°	5.6	5.6	5.5	5.5	5.7	5.2	4.9	4.5	4.2	3.7	3.4
7.5°	10.9	10.7	10.7	10.5	10.1	9.6	9.0	8.5	7.8	7.1	6.3
10°	16.9	16.9	16.6	16.2	15.4	14.9	13.9	13.2	11.9	10.8	9.5
12.5°	23.1	23.1	22.6	21.9	21.2	20.2	19.1	17.9	15.9	14.3	12.6
15°	30.7	30.6	30.3	29.4	28.2	27.0	25.3	23.5	21.3	19.2	17.0
17.5°	38.4	38.2	37.7	36.8	35.4	33.7	31.6	29.4	26.7	24.2	21.2
20°	46.3	46.2	45.4	44.1	42.6	40.6	38.0	35.5	32.3	29.1	25.4
22.5°	53.7	53.5	52.4	50.9	49.1	47.0	44.1	41.7	37.4	33.6	29.3
25°	61.8	61.6	60.5	59.3	57.1	54.6	51.2	47.8	43.7	39.4	34.5
27.5°	69.5	69.1	68.1	66.8	64.6	61.4	57.6	53.7	49.1	44.1	38.9
30°	77.0	76.9	75.4	73.4	71.2	67.8	64.0	59.9	54.5	49.2	43.2
32.5°	84.9	84.5	83.0	81.4	78.4	74.7	70.6	65.8	60.1	54.4	48.0
35°	92.5	92.4	90.5	88.3	85.4	81.3	76.7	72.3	65.5	59.9	52.2
37.5°	99.2	98.9	97.5	95.3	92.1	87.4	82.4	77.4	70.9	63.8	56.4
40°	107.4	106.3	105.2	102.5	98.6	94.5	88.8	83.1	76.6	69.0	61.0
42.5°	114.3	113.4	111.9	108.9	105.2	99.9	94.5	88.1	81.3	73.2	64.9
45°	121.1	120.4	118.4	115.9	111.6	106.4	100.0	93.7	85.7	77.4	68.8
47.5°	128.0	126.9	125.4	122.0	117.8	112.4	105.8	98.5	90.5	81.7	72.5
50°	134.6	133.3	131.6	128.4	123.3	117.8	110.8	103.0	94.9	85.5	75.8
52.5°	140.9	140.6	137.8	134.0	129.6	123.1	116.2	108.0	99.0	89.8	79.3
55°	147.0	146.4	143.7	140.1	134.7	127.9	120.9	112.7	102.6	92.9	82.1
57.5°	152.8	152.3	148.7	144.4	139.8	132.9	124.7	116.4	106.6	96.2	85.2
60°	158.7	157.5	154.8	150.3	144.2	137.7	129.6	120.2	110.3	99.7	88.3
62.5°	164.2	162.8	160.3	155.9	150.1	141.8	133.8	124.7	113.5	102.6	90.8
65°	168.5	167.3	164.6	160.4	153.9	146.0	137.1	127.2	116.2	104.8	92.9
67.5°	173.9	172.8	168.9	165.5	158.5	150.4	140.0	130.3	119.5	108.1	95.3
70°	177.4	175.7	173.3	167.8	160.7	153.2	142.5	133.1	121.4	109.5	97.2
72.5°	181.3	180.2	177.4	172.0	165.4	155.2	146.8	135.6	123.3	111.9	98.5
75°	184.9	183.5	179.8	174.5	167.4	158.8	147.8	137.6	125.7	113.0	100.2
77.5°	187.5	186.7	182.9	177.4	170.5	161.6	150.4	139.8	127.1	114.9	101.4
80°	189.5	189.1	185.1	179.7	171.9	162.8	152.5	141.3	128.3	115.7	102.2
82.5°	192.3	190.6	186.8	180.9	173.6	164.1	153.3	142.5	128.9	116.8	103.2
85°	194.0	192.4	187.6	183.0	174.8	165.4	154.0	142.7	129.9	117.8	103.4
87.5°	194.1	192.8	189.5	183.5	175.6	165.9	154.9	143.9	129.9	117.5	103.7
90°	194.6	193.7	189.3	183.8	175.4	166.0	154.8	143.7	130.4	117.5	103.6
92.5°	194.4	192.8	188.7	183.3	175.9	166.2	155.3	142.8	131.0	117.1	103.6
95°	193.5	192.1	188.3	182.3	174.6	165.1	154.4	143.1	130.1	117.3	103.3
97.5°	192.5	190.2	186.9	181.4	172.9	163.8	153.7	142.2	129.1	116.4	102.3
100°	190.9	189.3	185.2	179.6	172.3	162.7	153.0	140.4	128.2	115.3	101.7
102.5°	188.4	186.3	183.2	177.9	169.9	160.6	150.0	139.3	127.1	114.1	100.9
105°	184.4	183.8	180.0	174.9	167.7	158.2	148.0	137.7	125.0	112.7	99.4
107.5°	181.3	180.9	176.8	172.3	164.5	155.1	145.9	135.0	122.9	110.7	97.5
110°	178.1	176.5	174.1	168.4	161.6	152.4	142.9	132.1	120.9	108.7	96.5



TEST NUMBER: P13880

CATALOG NUMBER: J2S-L-1L30-1C-UNV-SU-WA

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	173.8	172.5	168.6	164.6	157.5	149.0	139.6	129.8	118.0	106.8	94.1
115°	168.4	167.2	164.7	160.3	153.2	145.5	135.8	126.1	115.1	103.6	91.6
117.5°	164.7	163.2	160.1	155.3	149.0	141.3	132.7	123.4	112.2	101.1	89.5
120°	159.3	157.6	155.0	150.9	145.0	136.7	128.4	119.2	109.2	98.3	86.9
122.5°	153.3	152.9	149.8	145.3	140.1	132.7	124.3	115.8	105.6	95.4	84.1
125°	147.4	146.9	144.1	140.2	134.6	128.1	120.7	111.6	101.5	92.1	81.5
127.5°	142.2	140.9	138.1	134.2	129.7	122.6	115.3	107.7	97.9	88.1	78.1
130°	135.1	134.9	132.1	128.9	123.9	117.7	110.4	102.8	94.0	84.9	74.5
132.5°	129.3	128.0	126.0	122.4	117.5	112.2	105.3	98.0	89.3	80.8	71.2
135°	121.9	121.6	119.6	116.0	112.2	106.6	100.3	92.6	84.7	76.3	67.5
137.5°	115.2	113.9	112.3	109.3	105.2	100.2	93.9	87.3	80.0	71.7	63.0
140°	108.5	107.3	105.8	103.4	99.0	94.5	88.5	82.6	75.1	67.7	59.6
142.5°	101.1	100.9	98.9	96.2	92.7	88.3	82.7	76.6	70.2	63.1	55.6
145°	93.8	93.1	91.7	89.0	85.7	81.5	76.5	71.4	64.7	58.3	51.0
147.5°	86.7	85.7	84.7	82.5	79.5	75.5	70.6	65.5	59.8	53.9	46.8
150°	79.2	78.7	77.4	75.3	72.4	68.9	64.3	59.9	54.8	48.6	42.6
152.5°	71.9	71.0	70.0	68.2	65.3	62.1	58.4	54.1	49.0	44.0	38.0
155°	63.9	63.5	62.6	60.4	58.0	55.1	51.5	47.8	43.4	38.6	33.6
157.5°	56.5	55.9	54.9	53.2	51.1	48.5	45.2	42.0	37.8	33.8	29.3
160°	48.7	48.1	47.1	45.9	43.7	41.8	38.7	35.6	32.2	28.5	24.9
162.5°	40.9	40.5	39.7	38.6	36.7	35.0	32.5	29.9	26.9	23.9	20.5
165°	33.3	33.1	32.4	31.3	29.8	28.2	26.3	24.2	21.7	19.0	16.3
167.5°	25.8	25.8	25.2	24.3	23.3	21.6	20.0	18.0	15.9	14.1	12.0
170°	16.4	16.3	15.8	15.2	14.5	13.4	12.3	11.3	9.8	8.7	7.5
172.5°	7.5	7.5	7.3	7.1	6.8	6.1	5.5	5.1	4.5	3.9	3.3
175°	0.6	0.6	0.6	0.6	0.7	0.8	0.9	1.0	1.0	1.1	1.0
177.5°	0.0	0.1	0.0	0.1	0.3	0.3	0.4	0.4	0.5	0.5	0.6
180°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2



TEST NUMBER: P13880

CATALOG NUMBER: J2S-L-1L30-1C-UNV-SU-WA

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	112.5°	135°	157.5°
0°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2.5°	1.3	1.1	1.0	0.8	1.1	0.6	0.5	0.4	0.0	0.0	0.0
5°	3.1	2.6	2.2	1.8	1.3	1.1	0.7	0.6	0.2	0.4	0.1
7.5°	5.4	4.4	3.6	2.9	2.1	1.4	0.9	0.5	0.5	0.4	1.0
10°	8.1	6.8	5.6	4.2	3.1	1.9	1.0	0.5	0.7	0.9	1.7
12.5°	10.7	9.0	7.2	5.1	3.5	1.9	0.7	0.0	0.4	0.8	2.0
15°	14.6	12.0	9.6	7.3	5.1	3.0	1.5	0.5	0.9	1.8	3.4
17.5°	18.1	15.0	12.0	9.2	6.4	4.0	2.0	0.5	1.5	2.3	4.2
20°	21.8	18.2	14.5	11.0	7.6	4.8	2.2	1.0	1.5	2.8	5.1
22.5°	24.9	20.5	16.4	12.1	8.3	4.8	1.9	0.0	1.2	2.6	5.3
25°	29.7	24.4	19.7	15.1	10.2	6.1	2.8	0.7	1.9	3.4	7.5
27.5°	33.5	27.7	22.2	16.6	11.4	7.0	3.1	0.6	2.1	4.2	7.6
30°	37.0	30.7	24.5	18.4	12.6	7.6	3.3	0.4	2.1	4.0	8.0
32.5°	41.2	34.0	27.2	20.2	14.1	8.2	3.5	0.5	2.4	4.5	8.6
35°	45.2	37.4	29.9	22.6	15.5	9.1	3.9	0.6	2.6	5.0	9.6
37.5°	48.5	40.4	32.3	24.0	16.9	9.8	4.1	0.6	2.7	5.2	9.6
40°	52.5	43.9	35.0	26.3	18.1	10.8	4.6	0.8	3.0	5.8	10.3
42.5°	55.8	46.5	37.7	27.8	19.0	11.4	4.9	0.8	3.1	6.1	10.6
45°	59.1	49.5	39.5	29.6	20.3	11.9	5.0	0.8	3.4	6.5	11.2
47.5°	62.3	52.1	41.6	31.3	21.7	12.8	5.2	0.6	3.6	6.8	11.3
50°	65.5	54.4	44.0	32.8	22.5	13.2	5.6	0.7	3.5	7.2	11.9
52.5°	68.8	57.5	45.9	34.6	23.8	14.1	5.6	1.0	3.8	8.1	12.3
55°	71.1	59.5	48.0	35.8	24.8	14.5	5.8	0.7	3.9	7.8	12.6
57.5°	73.4	61.2	49.5	36.8	25.3	14.6	5.6	0.4	3.5	7.7	12.4
60°	76.5	63.5	51.5	38.5	26.5	15.3	6.2	0.7	4.3	8.5	13.0
62.5°	78.5	65.6	53.0	39.6	27.4	15.9	6.5	0.7	4.5	9.0	13.4
65°	80.3	67.0	54.2	40.6	27.7	16.0	6.8	0.6	4.2	8.8	13.3
67.5°	82.5	68.6	55.7	41.8	28.6	16.6	6.5	0.6	4.5	9.4	13.5
70°	83.5	69.7	56.4	41.9	28.8	16.7	6.1	0.3	4.5	8.9	13.3
72.5°	85.4	71.3	57.7	43.4	29.7	17.3	6.7	0.6	4.6	9.6	13.8
75°	85.7	72.3	58.1	43.3	29.6	16.9	6.2	0.4	4.3	9.2	13.3
77.5°	87.7	73.1	59.4	44.4	30.6	17.8	7.0	0.7	5.2	10.1	13.9
80°	88.4	73.9	59.6	44.7	30.7	17.7	6.9	0.6	4.9	10.0	13.7
82.5°	88.9	74.3	60.0	45.3	30.8	17.8	6.8	0.7	5.1	10.2	13.9
85°	89.3	74.6	60.4	45.1	30.7	17.8	6.6	0.4	4.9	10.2	13.6
87.5°	89.8	75.2	60.4	45.6	31.1	17.8	6.8	0.6	5.1	10.4	13.6
90°	89.6	74.9	60.7	45.3	31.1	17.7	6.8	0.7	5.2	10.6	13.4
92.5°	89.4	74.6	60.2	45.3	31.4	17.6	7.0	0.9	5.1	10.4	13.1
95°	89.3	74.5	60.1	45.0	30.7	17.6	6.5	0.6	5.1	10.5	13.0
97.5°	88.8	73.9	59.8	44.7	30.5	17.4	6.6	0.5	5.2	10.7	12.6
100°	87.5	73.4	59.2	44.1	30.1	17.3	6.5	0.6	5.1	10.5	12.3
102.5°	87.0	72.9	58.5	43.9	29.8	17.1	6.4	0.7	5.2	10.4	12.1
105°	85.8	71.7	57.6	43.2	29.4	16.8	6.3	0.7	5.1	10.2	11.8
107.5°	84.3	70.3	56.6	42.2	28.8	16.4	6.2	0.6	4.9	9.8	11.4
110°	82.7	69.2	55.3	41.3	28.0	15.9	5.9	0.6	4.9	9.6	11.2



TEST NUMBER: P13880

CATALOG NUMBER: J2S-L-1L30-1C-UNV-SU-WA

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	112.5°	135°	157.5°
112.5°	81.1	67.5	54.2	40.4	27.2	15.6	5.6	0.7	4.6	9.4	10.8
115°	78.7	65.6	52.6	39.0	26.1	14.7	5.0	0.3	4.1	8.8	10.0
117.5°	77.2	64.0	51.6	38.3	25.9	14.6	5.3	0.5	4.4	9.0	10.2
120°	74.9	62.2	49.7	36.8	24.8	14.0	5.1	0.3	4.4	8.4	9.7
122.5°	72.4	60.2	48.1	35.8	23.8	13.6	5.0	0.7	4.2	8.5	9.4
125°	70.0	58.1	46.7	34.4	23.1	13.1	4.9	0.8	4.3	8.5	9.3
127.5°	66.9	55.7	44.1	32.8	22.0	12.4	4.5	0.5	3.9	7.9	9.0
130°	64.0	53.2	42.4	31.3	21.0	11.9	4.3	0.6	3.9	7.5	8.9
132.5°	60.9	50.6	40.4	29.5	19.9	11.0	4.1	0.7	3.7	7.1	8.6
135°	57.7	47.7	38.1	27.8	18.5	10.4	3.7	0.6	3.4	6.8	8.2
137.5°	53.7	44.4	35.1	25.5	16.8	9.2	2.9	0.1	2.9	5.7	7.4
140°	50.8	41.7	33.1	24.2	16.2	8.9	3.0	0.3	3.0	5.9	7.7
142.5°	47.2	38.6	30.5	22.4	14.8	8.1	2.7	0.2	2.9	5.5	7.2
145°	43.5	35.7	28.1	20.3	13.4	7.4	2.4	0.4	2.6	5.1	6.9
147.5°	39.8	32.8	25.6	18.6	12.5	6.8	2.2	0.6	2.7	5.1	7.0
150°	36.2	29.5	23.2	17.0	11.2	6.2	2.1	0.5	2.4	4.6	6.6
152.5°	32.3	26.3	20.7	15.0	9.8	5.5	1.8	0.5	2.5	4.3	6.3
155°	28.4	23.1	17.9	12.9	8.4	4.4	1.3	0.3	2.0	3.8	6.0
157.5°	24.7	19.9	15.5	11.3	7.2	3.9	1.1	0.4	1.9	3.3	6.0
160°	20.8	16.8	13.0	9.2	6.0	2.9	0.7	0.3	1.4	2.8	5.3
162.5°	17.2	14.0	10.8	7.5	4.8	2.5	0.7	0.4	1.3	2.2	4.8
165°	13.5	10.9	8.3	6.0	3.6	1.7	0.5	0.5	1.0	1.9	4.2
167.5°	9.7	7.8	6.0	4.0	2.5	1.1	0.3	0.6	1.1	1.7	3.4
170°	6.1	4.8	3.5	2.5	1.3	0.7	0.2	0.4	0.6	1.1	2.3
172.5°	2.7	2.2	1.6	1.0	0.5	0.5	0.3	0.4	0.5	0.4	1.2
175°	1.0	0.9	0.7	0.7	0.5	0.6	0.6	0.5	0.4	0.3	0.2
177.5°	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.3	0.2	0.0	0.0
180°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2



TEST NUMBER: P13880

CATALOG NUMBER: J2S-L-1L30-1C-UNV-SU-WA

CANDELA DISTRIBUTION (continued):

	180°	202.5°	225°	247.5°	270°	275°	280°	285°	290°	295°	300°
0°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2.5°	0.0	0.0	0.0	0.0	0.2	0.3	0.6	0.4	0.7	0.8	0.8
5°	0.2	0.3	0.2	0.0	0.2	0.8	0.8	1.4	1.9	2.1	2.6
7.5°	0.9	1.0	0.6	0.3	0.3	0.8	1.6	2.1	2.9	3.7	4.9
10°	1.8	1.7	1.0	0.6	0.3	1.1	2.0	3.2	4.3	5.6	6.9
12.5°	2.4	1.7	0.9	0.1	0.0	0.7	2.2	3.7	5.5	7.6	9.0
15°	3.7	2.8	1.7	0.8	0.0	1.4	3.4	5.2	7.4	9.7	12.2
17.5°	4.7	3.8	2.3	1.4	0.3	2.0	4.1	6.7	9.5	12.1	15.3
20°	5.6	4.5	2.8	1.5	0.4	2.1	4.9	7.9	10.9	14.6	18.1
22.5°	6.0	4.5	2.6	1.2	0.0	2.3	4.9	8.4	12.2	16.4	20.7
25°	7.7	5.9	3.6	2.3	0.4	2.9	6.2	10.4	14.7	19.5	24.4
27.5°	8.5	6.7	4.2	2.3	0.4	2.9	6.9	11.5	16.6	22.0	28.4
30°	9.1	7.1	4.5	2.4	0.3	2.9	7.7	12.5	18.7	24.1	30.7
32.5°	10.2	7.7	4.7	2.6	0.3	3.4	8.3	14.0	20.1	27.0	33.9
35°	11.3	8.5	5.4	2.8	0.5	3.6	9.1	15.3	22.1	29.3	37.3
37.5°	11.8	8.6	5.5	2.8	0.2	3.7	9.6	16.4	23.9	31.8	40.0
40°	13.0	9.3	6.2	3.4	0.5	4.2	10.4	17.9	26.0	34.2	43.2
42.5°	13.6	9.5	6.4	3.4	0.2	4.4	11.0	18.8	27.5	36.5	46.0
45°	14.3	10.2	6.9	3.7	0.3	4.5	11.9	20.0	29.2	39.0	48.9
47.5°	15.2	10.5	7.3	3.9	0.5	4.8	12.3	21.1	30.7	40.8	51.9
50°	15.9	10.9	7.6	3.9	0.4	4.8	13.0	22.1	32.3	43.2	54.2
52.5°	16.7	11.6	8.2	4.3	0.6	5.4	13.6	23.5	34.2	45.2	56.8
55°	17.3	11.4	8.2	4.4	0.4	5.5	14.2	24.2	35.4	47.0	59.2
57.5°	17.4	11.4	8.1	4.0	0.2	5.1	14.2	24.6	36.2	48.5	61.1
60°	18.6	12.1	9.0	4.9	0.6	5.7	15.0	26.2	38.0	50.7	63.4
62.5°	19.1	12.4	9.2	4.9	0.5	5.7	15.6	27.1	39.8	52.3	65.4
65°	19.6	12.7	9.3	4.7	0.3	5.8	15.8	27.6	40.1	53.1	67.0
67.5°	20.0	12.8	9.5	5.1	0.6	6.0	16.4	28.2	41.2	54.8	68.6
70°	19.9	12.7	9.3	5.2	0.2	5.8	16.2	28.5	41.6	55.8	69.3
72.5°	20.9	13.0	10.0	5.2	0.5	6.2	17.0	29.4	42.9	56.8	71.4
75°	20.9	12.5	9.5	4.9	0.2	5.9	16.8	29.4	43.2	57.4	71.7
77.5°	21.5	13.4	10.4	5.8	0.7	6.7	17.7	30.5	44.2	58.9	73.5
80°	21.6	13.4	10.5	5.6	0.6	6.5	17.6	30.6	44.6	59.5	73.7
82.5°	22.0	13.5	10.5	5.6	0.7	6.7	17.8	30.9	45.1	59.7	75.2
85°	22.0	13.2	10.5	5.4	0.4	6.4	17.7	30.8	45.0	59.9	75.0
87.5°	22.0	13.2	10.8	5.8	0.6	6.4	17.9	31.1	45.6	60.1	75.1
90°	22.1	13.2	10.6	5.7	0.6	6.6	18.1	31.4	45.5	60.4	75.7
92.5°	22.2	13.0	10.6	5.6	0.9	6.7	18.1	31.4	45.5	60.5	75.7
95°	22.0	13.0	10.5	5.6	0.6	6.8	18.1	31.1	45.5	60.3	75.3
97.5°	21.8	12.8	10.8	5.9	0.6	6.7	17.8	31.2	45.1	60.2	74.6
100°	21.9	12.7	10.4	5.6	0.6	6.8	17.9	31.0	45.1	59.6	74.4
102.5°	21.7	12.4	10.4	5.5	0.8	6.8	17.8	30.5	44.6	59.1	73.5
105°	21.2	12.0	10.2	5.4	0.7	6.7	17.5	30.0	43.8	58.2	73.1
107.5°	20.9	11.7	9.9	5.2	0.7	6.6	17.2	29.8	43.5	57.4	71.8
110°	20.6	11.5	9.6	5.3	0.7	6.5	17.0	29.1	42.6	56.2	70.3



TEST NUMBER: P13880

CATALOG NUMBER: J2S-L-1L30-1C-UNV-SU-WA

CANDELA DISTRIBUTION (continued):

	180°	202.5°	225°	247.5°	270°	275°	280°	285°	290°	295°	300°
112.5°	20.1	11.3	9.5	5.0	0.6	6.4	16.4	28.8	41.6	55.3	68.8
115°	19.2	10.8	8.9	4.6	0.2	6.2	16.0	27.8	40.5	53.8	67.6
117.5°	19.3	10.6	9.0	4.9	0.6	6.2	16.0	27.5	40.0	52.7	66.0
120°	18.6	10.1	8.6	4.8	0.4	5.8	15.4	26.5	38.7	51.1	64.0
122.5°	18.1	10.0	8.4	4.5	0.7	5.9	15.2	25.7	37.4	49.6	62.4
125°	17.7	9.6	8.2	4.5	0.6	5.8	14.7	25.1	36.3	48.1	60.4
127.5°	17.0	9.4	7.8	4.0	0.5	5.6	14.1	23.9	35.0	46.1	57.7
130°	16.4	9.2	7.5	4.1	0.5	5.5	13.6	23.0	33.5	44.4	55.8
132.5°	15.4	8.8	7.2	3.7	0.6	5.3	13.1	22.0	32.0	42.3	53.0
135°	14.8	8.3	6.8	3.6	0.6	5.0	12.6	21.1	30.4	40.2	50.3
137.5°	13.8	7.4	5.9	2.8	0.1	4.4	11.2	19.4	28.0	37.3	47.0
140°	13.1	7.5	6.0	2.9	0.5	4.4	11.2	18.6	26.9	35.4	44.7
142.5°	12.3	7.2	5.5	2.9	0.4	4.2	10.3	17.3	25.2	33.1	41.6
145°	11.5	6.7	4.9	2.5	0.2	4.1	9.7	16.0	23.2	30.7	38.6
147.5°	10.8	6.6	4.7	2.6	0.4	4.0	9.2	15.1	21.5	28.5	35.7
150°	10.0	6.1	4.4	2.5	0.4	3.7	8.5	13.9	19.9	26.0	32.8
152.5°	9.1	5.8	4.0	2.0	0.4	3.5	7.9	12.7	17.8	23.7	29.6
155°	8.2	5.3	3.5	1.7	0.3	3.1	7.0	11.3	16.2	20.9	26.5
157.5°	7.2	4.9	3.2	1.5	0.5	2.9	6.3	10.1	14.2	18.5	23.2
160°	6.0	4.4	2.4	1.3	0.3	2.5	5.3	8.7	12.1	16.0	19.9
162.5°	5.5	3.9	2.3	0.9	0.3	2.2	4.7	7.3	10.4	13.6	16.8
165°	4.5	3.4	1.8	0.6	0.3	2.1	3.7	6.0	8.3	11.0	13.6
167.5°	3.5	2.6	1.5	0.6	0.3	1.5	2.8	4.5	6.1	8.1	10.2
170°	2.5	1.7	0.8	0.0	0.1	1.0	1.8	2.9	4.0	5.1	6.5
172.5°	1.6	0.8	0.3	0.0	0.0	0.3	0.7	1.1	1.7	2.1	2.7
175°	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2



TEST NUMBER: P13880

CATALOG NUMBER: J2S-L-1L30-1C-UNV-SU-WA

CANDELA DISTRIBUTION (continued):

	305°	310°	315°	320°	325°	330°	335°	340°	345°	350°	355°
0°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2.5°	1.1	1.0	1.0	1.0	1.0	1.1	1.3	1.3	1.4	1.7	1.9
5°	2.9	3.3	3.7	4.0	4.3	4.7	5.0	5.2	5.4	5.4	5.5
7.5°	5.4	6.2	7.2	7.6	8.3	8.9	9.6	9.9	10.3	10.7	10.9
10°	8.2	9.5	10.8	12.0	13.1	14.1	15.0	15.6	16.2	16.6	16.9
12.5°	11.1	13.0	14.4	16.3	17.4	19.1	20.2	21.0	22.1	22.8	23.1
15°	14.5	16.9	19.3	21.4	23.6	25.3	27.1	28.4	29.4	30.1	30.6
17.5°	18.3	21.1	24.2	27.0	29.7	31.9	33.9	35.5	36.9	37.8	38.4
20°	21.8	25.6	28.8	32.3	35.6	38.0	40.7	42.7	44.4	45.5	46.2
22.5°	25.0	29.2	33.2	37.4	41.0	44.1	46.9	49.2	51.0	52.7	53.2
25°	29.5	34.6	39.0	43.7	47.7	51.0	54.6	57.2	58.9	60.8	61.6
27.5°	33.2	38.8	44.2	49.2	53.8	58.0	61.6	64.1	66.5	68.7	69.4
30°	36.8	43.0	49.4	54.6	59.5	64.1	68.0	71.0	73.8	75.9	77.0
32.5°	40.9	47.4	54.2	60.2	65.8	70.6	74.9	78.6	81.5	83.2	84.5
35°	44.6	52.0	58.8	65.6	71.5	76.4	81.6	85.3	88.2	90.8	91.6
37.5°	48.4	56.1	63.3	70.1	77.3	82.9	87.2	91.9	95.1	97.8	99.6
40°	52.1	60.1	68.4	76.3	82.5	89.1	94.7	98.8	102.8	104.9	106.7
42.5°	55.3	64.5	72.7	80.8	88.2	94.8	100.7	106.0	109.1	111.6	113.5
45°	58.9	68.2	77.3	85.8	93.2	100.4	106.3	111.4	115.6	119.1	120.7
47.5°	61.9	71.6	81.3	90.1	98.4	105.9	112.4	117.5	122.5	125.0	127.4
50°	65.1	75.2	85.6	94.7	103.1	110.8	118.0	123.8	128.5	131.5	134.0
52.5°	68.0	78.8	89.2	99.2	107.9	116.3	123.4	129.2	134.5	138.4	140.6
55°	70.8	81.9	92.8	102.8	111.8	120.8	127.9	134.5	140.5	144.0	146.2
57.5°	72.9	84.5	95.8	106.2	116.6	125.7	132.8	140.2	146.1	149.5	152.1
60°	75.5	87.6	99.6	110.5	120.8	130.0	138.2	145.0	151.2	155.0	157.5
62.5°	78.2	90.6	102.5	114.2	124.3	134.5	142.7	150.3	156.5	161.1	163.4
65°	79.9	92.6	105.5	117.0	127.0	137.3	146.5	153.8	160.8	164.9	167.6
67.5°	81.8	94.8	107.5	119.2	131.6	141.6	150.8	158.6	165.1	169.8	172.5
70°	83.1	96.9	109.2	122.1	133.3	143.8	153.7	162.3	168.5	173.3	175.9
72.5°	85.2	98.7	111.8	124.7	135.8	147.2	157.0	165.7	172.2	177.8	181.2
75°	85.8	99.6	112.5	126.0	137.9	148.8	159.3	168.3	174.9	180.2	182.9
77.5°	87.1	101.4	115.0	128.1	140.3	152.0	161.9	171.0	178.4	183.9	187.0
80°	88.3	102.3	115.9	129.3	141.1	152.9	163.9	173.0	180.5	186.4	188.7
82.5°	88.8	103.6	117.4	131.1	142.9	154.3	165.9	174.5	182.1	187.6	191.1
85°	89.3	103.6	117.6	131.3	143.9	156.1	166.9	175.5	183.6	189.0	191.9
87.5°	89.8	104.0	117.8	131.8	144.5	155.9	167.0	176.6	184.1	189.7	193.7
90°	89.9	104.4	118.1	132.1	144.7	156.7	167.8	177.3	184.7	190.5	193.5
92.5°	90.2	104.3	118.4	131.9	144.7	156.0	167.8	176.4	184.6	190.0	193.6
95°	89.7	103.7	117.5	131.6	143.6	155.9	166.5	176.0	183.7	188.8	192.5
97.5°	89.5	103.4	116.9	130.7	143.3	154.5	165.3	175.4	183.1	188.2	192.1
100°	88.6	102.9	116.7	130.0	142.3	154.5	164.0	172.7	180.9	185.7	189.9
102.5°	88.0	101.6	115.4	128.6	140.9	152.5	162.6	172.2	178.8	183.3	188.1
105°	86.7	100.2	113.8	126.8	138.4	150.2	160.2	168.4	176.7	181.5	184.1
107.5°	85.4	98.7	112.3	124.6	136.9	147.7	157.6	166.2	173.0	178.5	181.6
110°	84.1	97.3	109.8	123.2	134.2	144.7	154.9	162.7	169.7	174.2	177.3



TEST NUMBER: P13880

CATALOG NUMBER: J2S-L-1L30-1C-UNV-SU-WA

CANDELA DISTRIBUTION (continued):

	305°	310°	315°	320°	325°	330°	335°	340°	345°	350°	355°
112.5°	82.4	95.5	108.1	120.3	131.4	141.5	150.8	159.6	165.4	170.0	173.4
115°	80.3	92.9	104.6	116.9	128.2	138.4	146.9	154.6	161.4	166.0	168.7
117.5°	78.7	90.9	103.2	114.6	124.8	135.4	142.9	150.7	156.8	161.6	163.7
120°	76.6	88.3	99.9	111.2	121.6	130.8	139.3	146.6	151.7	155.6	159.4
122.5°	74.0	86.3	97.1	108.2	117.5	126.5	135.0	141.4	147.0	151.1	153.2
125°	71.6	82.9	94.1	104.1	113.7	121.9	130.0	136.0	141.8	145.5	147.6
127.5°	69.0	79.8	90.4	100.7	109.6	117.8	125.3	131.0	135.2	139.2	141.3
130°	66.3	76.6	86.5	96.3	104.8	112.8	119.8	125.4	130.4	132.7	135.1
132.5°	63.0	73.3	82.4	91.9	100.5	107.7	114.2	119.7	123.3	127.3	129.0
135°	60.2	70.0	78.7	87.8	95.2	102.2	108.3	113.5	117.5	120.1	122.3
137.5°	56.6	65.5	74.1	82.5	89.7	96.5	102.1	107.2	110.3	113.8	114.8
140°	53.6	62.1	70.1	77.9	84.5	91.1	96.3	100.9	104.6	107.1	108.6
142.5°	49.8	58.0	65.8	72.8	79.2	84.9	89.8	94.3	97.3	99.8	100.8
145°	46.5	53.9	61.0	67.7	73.6	79.4	83.8	87.5	90.6	92.6	93.8
147.5°	43.0	49.7	56.1	62.5	68.6	72.8	77.5	81.0	83.8	85.5	86.8
150°	39.3	45.5	51.6	57.3	62.5	66.6	70.8	74.2	76.8	78.5	79.4
152.5°	35.6	41.1	46.6	52.0	56.4	60.6	63.9	66.9	69.6	70.9	71.6
155°	31.5	36.7	41.6	46.4	50.3	54.1	57.3	59.7	61.8	63.4	63.8
157.5°	27.8	32.6	36.7	41.0	44.6	47.7	50.7	52.9	54.7	55.9	56.5
160°	24.0	28.1	31.4	35.1	38.2	41.1	43.5	45.5	47.1	48.1	48.6
162.5°	20.3	23.4	26.8	29.7	32.2	34.9	36.9	38.7	39.6	40.7	41.3
165°	16.1	19.0	21.5	24.0	26.2	28.2	30.0	31.5	32.6	33.1	33.4
167.5°	12.2	14.1	15.8	17.6	19.8	21.2	22.6	23.5	24.6	25.4	25.7
170°	7.6	9.0	10.2	11.2	12.6	13.4	14.4	15.3	15.8	16.3	16.5
172.5°	3.5	3.8	4.5	5.0	5.6	6.2	6.8	7.3	7.3	7.6	7.7
175°	0.6	0.5	0.7	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.6
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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2



TEST NUMBER: P13880

CATALOG NUMBER: J2S-L-1L30-1C-UNV-SU-WA

CANDELA DISTRIBUTION (continued):

	360°
0°	0.2
2.5°	1.7
5°	5.6
7.5°	10.9
10°	16.9
12.5°	23.1
15°	30.7
17.5°	38.4
20°	46.3
22.5°	53.7
25°	61.8
27.5°	69.5
30°	77.0
32.5°	84.9
35°	92.5
37.5°	99.2
40°	107.4
42.5°	114.3
45°	121.1
47.5°	128.0
50°	134.6
52.5°	140.9
55°	147.0
57.5°	152.8
60°	158.7
62.5°	164.2
65°	168.5
67.5°	173.9
70°	177.4
72.5°	181.3
75°	184.9
77.5°	187.5
80°	189.5
82.5°	192.3
85°	194.0
87.5°	194.1
90°	194.6
92.5°	194.4
95°	193.5
97.5°	192.5
100°	190.9
102.5°	188.4
105°	184.4
107.5°	181.3
110°	178.1



TEST NUMBER: P13880

CATALOG NUMBER: J2S-L-1L30-1C-UNV-SU-WA

CANDELA DISTRIBUTION (continued):

	360°
112.5°	173.8
115°	168.4
117.5°	164.7
120°	159.3
122.5°	153.3
125°	147.4
127.5°	142.2
130°	135.1
132.5°	129.3
135°	121.9
137.5°	115.2
140°	108.5
142.5°	101.1
145°	93.8
147.5°	86.7
150°	79.2
152.5°	71.9
155°	63.9
157.5°	56.5
160°	48.7
162.5°	40.9
165°	33.3
167.5°	25.8
170°	16.4
172.5°	7.5
175°	0.6
177.5°	0.0
180°	0.2

(END OF REPORT)