

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: P395075

Luminaire Tested: **I3-WL-30L930-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395075
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-WL-30L930-1D-UNV-STD-W-4
Description: CORELITE I3, DOWNLIGHT TRAY
3000 LUMENS
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2402.3 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.32
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Direct

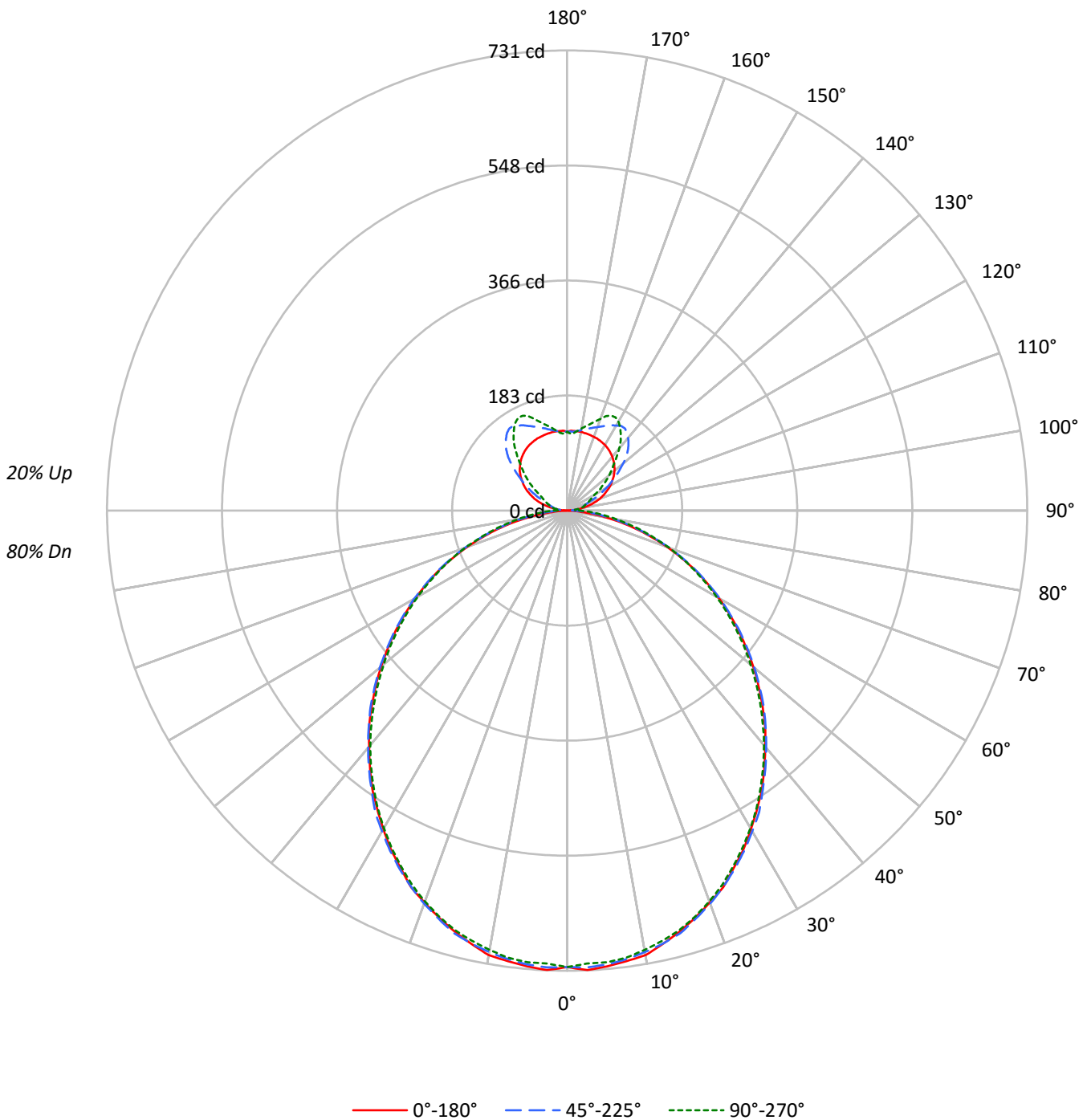
Input Watts (W): 23.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	80
1	104	100	96	92	99	95	92	88	87	85	82	80	78	76	73	72	70	67
2	95	87	80	75	90	83	78	73	77	72	68	70	67	63	65	62	59	56
3	87	77	69	62	82	73	66	61	68	62	57	62	57	53	57	53	50	47
4	79	68	59	53	75	65	57	52	60	54	49	55	50	46	51	47	43	40
5	73	61	52	46	69	58	50	44	54	47	42	50	44	40	46	41	38	35
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33	31
7	62	49	41	35	59	48	40	34	44	38	33	41	35	31	38	33	30	27
8	58	45	37	31	55	43	36	31	41	34	29	38	32	28	35	30	26	24
9	54	41	33	28	52	40	33	27	37	31	26	35	29	25	32	28	24	22
10	51	38	30	25	49	37	30	25	34	28	24	32	27	23	30	25	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3985	3985	3985
5°	3996	3903	3861
10°	3973	3797	3735
15°	3893	3692	3602
20°	3816	3543	3446
25°	3724	3393	3275
30°	3618	3237	3099
35°	3517	3064	2917
40°	3391	2886	2728
45°	3271	2712	2528
50°	3141	2522	2327
55°	3004	2327	2122
60°	2851	2111	1911
65°	2676	1875	1684
70°	2427	1601	1446
75°	2091	1269	1161
80°	1596	914	866
85°	836	545	587



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.5	2.9
10°-20°	194.3	8.1
20°-30°	287.7	12.0
30°-40°	336.3	14.0
40°-50°	337.8	14.1
50°-60°	296.9	12.4
60°-70°	222.4	9.3
70°-80°	126.5	5.3
80°-90°	39.9	1.7
90°-100°	14.4	0.6
100°-110°	35.1	1.5
110°-120°	58.3	2.4
120°-130°	81.8	3.4
130°-140°	94.2	3.9
140°-150°	90.0	3.7
150°-160°	67.7	2.8
160°-170°	38.3	1.6
170°-180°	12.1	0.5
0°-30°	550.6	22.9
0°-40°	886.8	36.9
0°-60°	1521.5	63.3
0°-90°	1910.4	79.5
90°-120°	107.8	4.5
90°-150°	373.8	15.6
90°-180°	492.0	20.5
0°-180°	2402.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	725	725	725	725	725	
5°	727	720	724	721	720	69
15°	692	686	695	690	690	195
25°	626	624	629	626	624	289
35°	540	536	542	537	536	337
45°	439	438	442	437	434	339
55°	332	334	335	331	327	297
65°	224	225	226	224	222	222
75°	114	116	119	123	123	121
85°	20	26	35	43	45	26
90°	1	4	11	17	19	2
95°	10	10	10	12	12	12
105°	41	35	26	28	28	43
115°	68	84	52	42	41	67
125°	89	123	93	74	69	80
135°	106	134	137	114	106	81
145°	116	132	160	153	148	73
155°	123	130	148	164	166	57
165°	126	128	135	140	142	36
175°	127	126	126	126	124	12
180°	125	125	125	125	125	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	725.1	725.1	725.1	725.1	725.1	725.1	725.1	725.1	725.1	725.1	725.1
2.5°	730.6	729.4	726.3	723.3	722.7	722.0	722.0	721.4	721.4	722.7	726.3
5°	726.9	726.3	723.3	720.2	719.6	719.6	718.9	718.9	718.9	720.2	723.8
7.5°	722.0	720.8	717.8	714.7	714.0	714.0	714.0	713.5	714.0	714.7	718.9
10°	717.1	716.5	713.5	709.7	708.6	708.6	707.9	706.7	706.7	707.9	712.2
12.5°	704.8	704.3	701.2	698.7	698.7	699.4	699.4	699.9	699.9	701.2	704.3
15°	692.0	691.4	688.3	685.8	685.8	685.8	685.2	685.2	685.8	689.6	695.0
17.5°	677.9	677.3	674.8	672.4	672.4	672.4	671.7	671.7	672.4	674.2	679.7
20°	662.5	661.9	659.4	657.0	657.0	657.0	656.4	657.0	657.0	659.4	664.4
22.5°	647.8	646.6	643.5	641.1	639.8	639.8	639.8	639.2	640.4	642.3	647.2
25°	626.3	625.7	624.5	622.7	623.9	624.5	623.2	622.1	622.1	624.5	628.8
27.5°	606.7	605.5	603.7	601.8	600.6	601.2	601.8	603.0	604.9	605.5	609.1
30°	584.0	583.4	581.6	579.1	579.8	580.3	580.3	580.3	581.6	587.1	588.3
32.5°	561.9	561.3	559.5	557.0	557.6	558.3	557.6	558.3	559.5	561.9	567.5
35°	539.8	538.6	536.8	536.2	535.5	535.5	535.5	536.2	536.8	538.6	541.7
37.5°	514.7	513.4	512.3	510.4	511.6	512.9	513.4	512.9	513.4	515.9	517.2
40°	489.5	489.0	487.7	486.5	487.0	487.7	487.0	489.0	490.1	491.4	492.0
42.5°	465.6	464.4	463.1	462.6	462.6	463.1	463.1	464.4	464.4	467.5	466.9
45°	438.7	438.0	437.4	437.4	438.0	438.0	438.0	438.7	439.2	441.1	441.7
47.5°	412.3	411.6	411.6	411.6	411.6	412.3	412.8	414.7	413.5	414.1	414.7
50°	385.9	385.3	385.3	385.3	386.4	386.4	387.7	388.4	388.9	387.7	388.4
52.5°	358.9	358.2	359.5	359.5	360.7	360.7	362.5	360.7	362.0	361.3	361.3
55°	332.5	331.9	333.1	332.5	333.7	333.7	335.0	335.6	335.0	335.0	335.0
57.5°	305.5	304.9	305.5	306.1	306.8	306.8	308.6	308.6	306.8	307.9	307.3
60°	278.5	277.9	278.5	279.1	279.7	279.7	280.4	279.1	280.4	281.0	280.4
62.5°	251.5	250.9	252.2	251.5	252.2	252.7	252.7	254.6	254.0	254.0	253.4
65°	224.5	223.9	223.9	223.9	224.5	225.2	225.8	226.3	226.3	227.0	226.3
67.5°	197.0	196.3	197.0	196.3	197.0	197.5	198.8	199.4	199.4	199.9	199.4
70°	168.7	169.3	168.7	169.3	169.9	170.6	171.1	172.4	172.4	172.4	172.4
72.5°	141.1	140.5	140.5	139.9	141.1	141.7	142.3	144.2	144.2	144.8	144.8
75°	114.1	112.9	113.5	112.9	115.4	116.0	116.0	117.8	118.4	119.6	119.0
77.5°	87.7	87.7	86.5	88.3	89.0	90.1	91.4	92.6	93.2	95.1	95.1
80°	62.6	62.6	61.9	63.2	65.7	66.2	68.1	68.7	70.6	71.8	72.4
82.5°	39.8	39.8	39.8	41.7	43.6	44.2	46.0	47.9	49.1	50.9	51.5
85°	19.7	20.8	20.8	23.3	24.6	25.7	26.4	28.8	30.7	33.1	34.9
87.5°	6.1	6.7	7.4	8.5	11.0	11.6	12.9	15.4	17.2	19.7	21.5
90°	0.6	0.6	1.2	1.8	3.1	3.7	4.9	6.1	8.0	9.8	11.0
92.5°	4.3	4.3	4.9	4.9	4.9	4.9	4.9	5.6	6.1	7.4	8.0
95°	10.5	16.6	9.8	9.2	10.5	10.5	11.0	10.5	10.5	10.5	10.5
97.5°	17.2	30.7	20.3	14.1	13.5	14.1	14.1	15.4	15.9	16.6	16.6
100°	25.1	38.7	35.6	23.3	19.0	18.4	18.4	18.4	19.0	19.7	20.3
102.5°	33.1	44.2	50.9	36.2	27.0	24.6	23.3	22.7	22.1	22.7	22.7
105°	41.1	49.7	62.6	49.1	38.7	34.9	31.3	27.0	26.4	26.4	26.4
107.5°	48.5	55.2	71.1	63.8	50.3	46.6	42.3	35.6	31.3	30.7	30.0
110°	55.2	60.8	77.3	76.0	63.2	57.7	54.0	46.6	40.5	36.2	34.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	61.3	66.2	81.6	86.5	77.3	70.6	65.0	57.7	50.9	45.4	41.1
115°	67.5	71.8	85.2	95.1	89.6	84.1	77.9	68.7	61.9	56.4	51.5
117.5°	73.6	77.3	89.0	101.3	100.0	96.3	91.4	80.3	72.4	66.9	61.3
120°	79.1	82.8	92.6	105.5	109.2	106.2	103.1	93.2	83.4	77.3	72.4
122.5°	84.1	87.1	96.3	109.2	116.0	115.4	112.3	105.5	95.7	88.3	82.2
125°	89.0	92.0	100.0	111.6	120.8	122.7	121.4	116.0	108.6	100.0	92.6
127.5°	93.9	96.3	103.7	114.1	124.5	128.2	128.8	125.2	119.6	112.3	104.2
130°	98.2	100.6	106.7	116.0	127.0	131.3	133.7	133.1	128.8	123.9	116.0
132.5°	101.8	103.7	109.8	117.8	128.2	133.1	136.8	139.9	136.8	133.1	127.6
135°	105.5	107.3	112.3	119.6	128.8	133.7	138.6	143.6	144.2	141.1	136.8
137.5°	108.6	109.8	114.7	120.8	128.8	133.7	138.6	145.4	149.1	147.8	144.2
140°	111.6	112.9	116.5	122.7	129.5	133.7	138.0	146.0	150.9	152.7	150.9
142.5°	114.1	115.4	118.4	123.9	129.5	133.1	137.4	144.8	151.6	155.2	156.5
145°	116.5	117.2	120.3	124.5	129.5	132.5	136.2	143.6	150.3	155.8	159.5
147.5°	118.4	119.0	120.8	125.2	129.5	131.9	135.0	141.1	147.8	154.0	159.5
150°	120.3	120.3	122.1	125.2	129.5	131.3	133.7	139.3	144.8	150.9	155.8
152.5°	121.4	121.4	123.3	125.7	128.8	130.6	133.1	137.4	142.3	147.8	152.7
155°	122.7	122.7	123.9	125.7	128.8	130.1	131.9	135.5	139.9	144.2	148.5
157.5°	123.9	123.9	124.5	126.4	128.2	129.5	131.3	134.4	137.4	141.1	144.8
160°	124.5	124.5	125.2	126.4	127.6	128.8	130.1	132.5	135.5	138.0	141.1
162.5°	125.2	125.2	125.7	126.4	127.6	128.2	128.8	131.3	133.1	135.5	138.0
165°	125.7	125.7	125.7	126.4	127.0	127.6	128.2	129.5	131.3	133.1	135.0
167.5°	126.4	126.4	126.4	126.4	127.0	127.0	127.6	128.2	129.5	130.6	131.9
170°	127.0	126.4	126.4	127.0	126.4	126.4	127.0	127.6	127.6	128.8	129.5
172.5°	127.0	127.0	126.4	126.4	126.4	126.4	126.4	126.4	126.4	127.0	127.6
175°	127.0	127.0	126.4	126.4	126.4	125.7	125.7	125.7	125.7	125.7	125.7
177.5°	127.0	127.0	126.4	126.4	125.7	125.7	125.7	125.7	125.7	125.7	125.7
180°	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	725.1	725.1	725.1	725.1	725.1	725.1	725.1	725.1	725.1	725.1
2.5°	730.0	726.9	725.8	725.1	724.5	723.8	722.7	721.4	720.2	720.2
5°	726.9	723.8	722.7	722.0	721.4	720.8	720.2	720.2	720.2	720.2
7.5°	722.0	718.9	717.8	717.1	717.1	716.5	716.5	716.5	715.9	716.5
10°	714.7	711.6	711.0	710.4	709.7	708.6	708.6	708.6	707.9	708.6
12.5°	705.5	702.4	701.8	701.2	700.6	699.9	699.9	699.4	699.4	699.9
15°	696.3	692.0	690.7	690.7	690.1	689.6	690.1	689.6	689.6	689.6
17.5°	682.8	680.9	679.1	677.9	677.3	676.6	676.6	676.0	676.0	676.0
20°	665.0	665.0	665.0	661.9	661.3	660.7	660.7	660.7	660.7	660.7
22.5°	647.8	644.7	647.2	645.3	644.2	642.9	643.5	643.5	643.5	643.5
25°	628.8	626.3	627.0	627.6	626.3	624.5	624.5	624.5	624.5	623.9
27.5°	608.6	606.7	606.1	606.7	608.0	606.7	604.9	603.0	603.7	603.7
30°	586.5	585.8	585.2	584.0	585.2	585.8	582.8	582.2	582.2	582.2
32.5°	564.4	563.7	561.9	560.7	561.3	562.6	561.3	560.1	560.1	560.1
35°	542.3	539.8	538.0	537.4	537.4	538.6	538.0	536.2	536.2	536.2
37.5°	516.5	517.2	514.1	513.4	513.4	513.4	514.7	511.6	512.3	511.6
40°	491.4	492.0	490.1	488.3	489.0	487.7	489.5	486.5	486.5	486.5
42.5°	466.2	465.0	465.6	461.9	462.6	462.6	463.1	461.3	460.7	460.1
45°	440.5	439.2	438.7	436.7	436.7	436.2	436.2	433.7	433.7	433.7
47.5°	413.5	412.8	411.6	410.4	410.4	409.8	408.5	407.9	407.4	407.4
50°	387.7	385.9	384.0	384.6	384.0	383.4	382.2	381.6	381.0	380.3
52.5°	360.1	360.1	357.6	357.6	357.6	357.1	355.8	354.6	354.6	354.0
55°	333.1	332.5	330.7	330.0	330.7	330.0	328.8	327.6	327.6	326.9
57.5°	306.1	304.9	304.3	304.3	303.7	303.7	301.8	300.6	301.2	300.6
60°	278.5	278.5	277.9	277.3	277.3	276.6	274.8	274.8	274.8	274.2
62.5°	252.2	252.2	250.9	250.3	250.9	250.3	249.7	249.1	248.4	247.8
65°	224.5	225.2	223.9	224.5	224.5	223.3	223.3	222.7	222.7	222.1
67.5°	198.8	198.8	198.1	198.1	198.8	198.1	198.1	197.5	197.5	197.0
70°	172.4	173.6	173.0	173.0	173.0	172.4	172.4	172.4	171.7	172.4
72.5°	146.0	146.0	146.0	146.0	146.0	146.6	146.6	146.6	146.6	146.0
75°	121.4	122.1	121.4	122.1	122.7	122.7	122.7	122.7	123.3	122.7
77.5°	97.5	98.2	98.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0
80°	74.9	75.4	76.0	77.3	77.3	78.5	79.1	79.1	79.1	79.1
82.5°	54.0	55.9	56.4	58.3	58.9	58.9	60.1	60.8	60.8	60.8
85°	37.4	39.3	40.5	41.7	42.9	42.9	44.2	44.2	44.8	44.8
87.5°	23.3	25.1	26.4	28.2	28.8	29.5	30.0	30.7	31.3	31.3
90°	12.9	14.1	15.4	16.6	16.6	17.2	17.8	18.4	19.0	19.0
92.5°	9.2	9.8	11.0	11.6	11.6	12.3	12.9	12.9	13.5	13.5
95°	10.5	11.0	11.0	11.6	11.6	11.6	12.3	12.3	12.3	12.3
97.5°	15.9	15.9	15.9	15.4	15.4	15.4	15.4	15.4	15.4	15.4
100°	20.8	21.5	21.5	21.5	22.1	22.1	22.1	22.1	21.5	21.5
102.5°	23.3	23.9	24.6	25.1	25.1	25.1	25.7	25.7	25.7	25.7
105°	26.4	26.4	27.0	27.6	27.6	27.6	28.2	28.2	28.2	28.2
107.5°	30.0	30.0	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
110°	34.4	34.4	34.4	33.8	34.4	33.8	33.8	33.8	33.8	33.8



TEST NUMBER: P395075

CATALOG NUMBER: I3-WL-30L930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	39.3	38.7	38.7	38.0	38.0	38.0	37.4	37.4	37.4	37.4
115°	47.2	44.2	42.9	41.7	41.7	41.7	41.1	41.1	41.1	41.1
117.5°	57.0	52.8	50.3	47.9	47.2	46.6	45.4	45.4	44.8	44.8
120°	67.5	63.2	59.5	56.4	55.2	54.6	52.8	51.5	50.3	50.3
122.5°	77.3	73.0	69.3	66.2	65.0	63.8	61.9	60.8	59.5	59.5
125°	87.1	82.8	79.1	76.0	74.2	73.0	71.1	70.0	68.7	68.7
127.5°	97.5	92.0	88.3	85.2	83.4	82.8	80.3	79.1	77.9	77.9
130°	109.2	102.4	97.5	93.9	92.6	91.4	89.6	88.3	87.1	87.1
132.5°	120.8	114.1	108.6	103.7	101.8	100.6	98.2	96.9	95.7	95.7
135°	131.9	125.7	120.3	115.4	113.5	111.6	109.2	106.7	105.5	105.5
137.5°	140.5	136.2	131.3	127.0	125.2	123.3	120.8	118.4	116.5	117.2
140°	147.8	144.2	141.1	138.0	136.2	135.0	132.5	130.6	128.8	128.8
142.5°	154.6	151.6	148.5	146.0	145.4	144.8	142.9	141.1	139.9	139.9
145°	160.7	158.9	156.5	153.4	152.7	152.1	150.3	149.1	148.5	148.5
147.5°	162.6	163.2	162.6	160.7	160.1	159.5	158.3	157.0	156.5	156.5
150°	161.4	163.8	165.0	165.0	165.0	165.0	165.0	163.8	163.2	163.2
152.5°	157.7	161.4	163.8	165.7	166.2	166.8	166.8	167.5	166.8	166.8
155°	153.4	157.0	160.7	162.6	163.8	164.4	165.7	166.2	166.8	166.2
157.5°	148.5	151.6	154.0	157.7	158.9	160.1	161.4	162.6	163.2	162.6
160°	144.2	146.6	148.5	150.9	151.6	152.7	154.0	154.6	155.8	155.2
162.5°	139.9	141.7	143.6	144.8	146.0	146.6	147.8	148.5	149.1	148.5
165°	136.8	138.0	138.6	139.9	140.5	141.1	141.7	142.3	142.3	142.3
167.5°	133.1	134.4	135.0	135.5	136.2	136.8	136.8	137.4	137.4	137.4
170°	130.1	130.6	131.3	131.9	131.9	132.5	132.5	132.5	133.1	132.5
172.5°	127.6	127.6	127.6	128.2	128.2	128.2	128.2	128.2	128.2	127.6
175°	126.4	126.4	125.7	125.7	125.7	125.7	125.7	125.2	124.5	123.9
177.5°	125.7	125.2	125.2	124.5	124.5	124.5	123.9	123.3	122.7	122.1
180°	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2

(END OF REPORT)