

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: P395077

Luminaire Tested: **I3-WL-30L940-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395077
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-30L940-1D-UNV-STD-W-4
Description: CORELITE I3, DOWNLIGHT TRAY
3000 LUMENS
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2555.7 lumens
Efficiency: N/A
Efficacy: 110.6 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

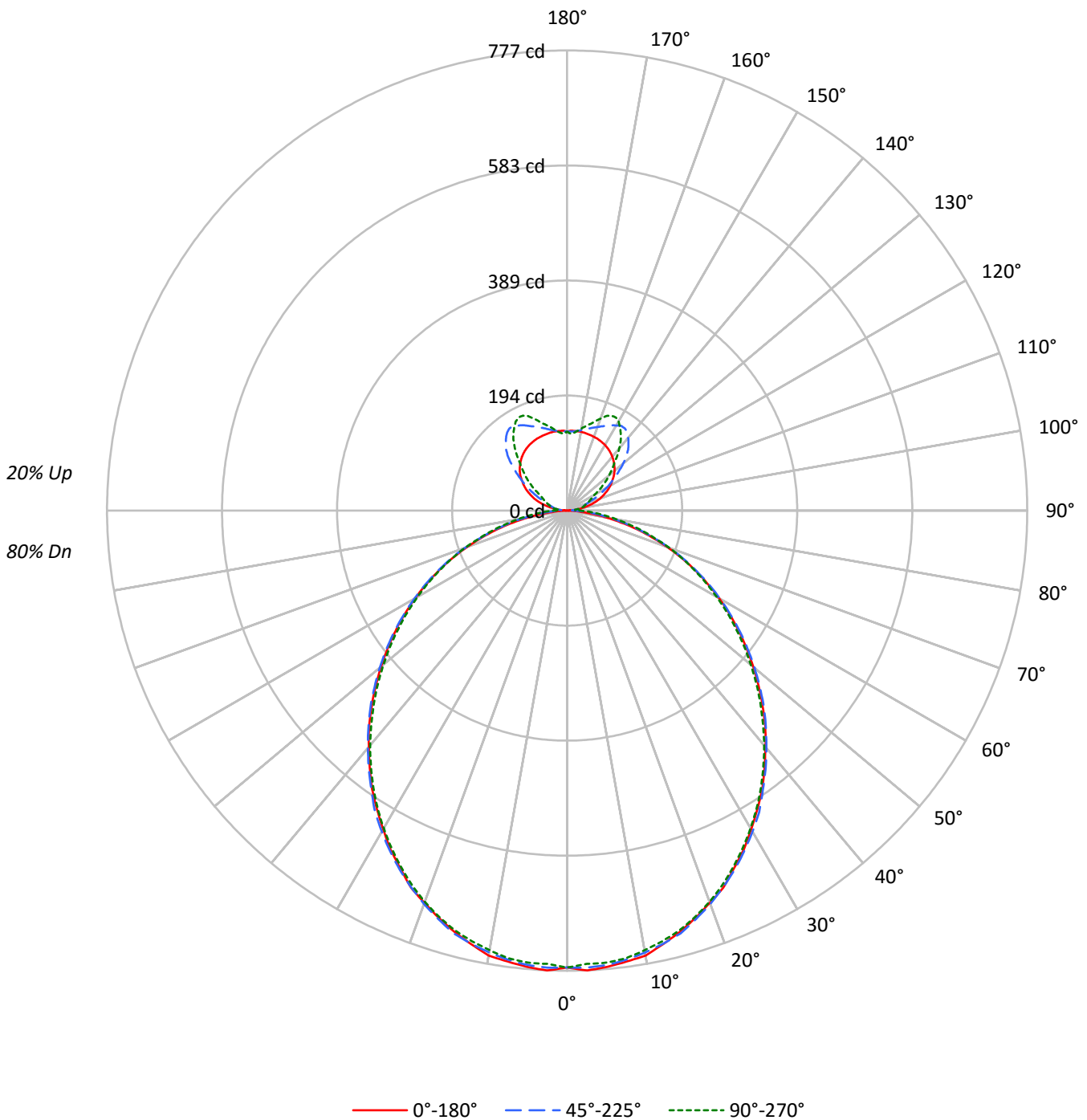
Input Watts (W): 23.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4240	4240	4240
5°	4251	4152	4108
10°	4226	4040	3974
15°	4142	3928	3832
20°	4060	3770	3667
25°	3962	3610	3484
30°	3849	3444	3296
35°	3742	3260	3103
40°	3608	3071	2902
45°	3480	2886	2690
50°	3341	2683	2476
55°	3195	2476	2258
60°	3034	2245	2033
65°	2847	1995	1792
70°	2583	1703	1538
75°	2225	1350	1235
80°	1698	972	921
85°	887	581	625



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	2.9
10°-20°	206.7	8.1
20°-30°	306.1	12.0
30°-40°	357.7	14.0
40°-50°	359.4	14.1
50°-60°	315.8	12.4
60°-70°	236.7	9.3
70°-80°	134.6	5.3
80°-90°	42.5	1.7
90°-100°	15.3	0.6
100°-110°	37.3	1.5
110°-120°	62.0	2.4
120°-130°	87.0	3.4
130°-140°	100.3	3.9
140°-150°	95.7	3.7
150°-160°	72.0	2.8
160°-170°	40.7	1.6
170°-180°	12.9	0.5
0°-30°	585.7	22.9
0°-40°	943.4	36.9
0°-60°	1618.6	63.3
0°-90°	2032.4	79.5
90°-120°	114.7	4.5
90°-150°	397.7	15.6
90°-180°	523.0	20.5
0°-180°	2555.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	771	771	771	771	771	
5°	773	766	770	768	766	73
15°	736	730	739	734	734	208
25°	666	664	669	666	664	307
35°	574	570	576	572	570	359
45°	467	466	470	465	461	360
55°	354	355	356	352	348	316
65°	239	240	241	239	236	236
75°	121	123	127	130	130	129
85°	21	27	37	46	48	27
90°	1	4	12	18	20	2
95°	11	11	11	12	13	12
105°	44	37	28	29	30	46
115°	72	89	55	44	44	71
125°	95	130	98	79	73	85
135°	112	142	146	121	112	87
145°	124	141	170	162	158	78
155°	130	138	158	174	177	60
165°	134	136	144	150	151	38
175°	135	134	134	134	132	13
180°	133	133	133	133	133	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	771.4	771.4	771.4	771.4	771.4	771.4	771.4	771.4	771.4	771.4	771.4
2.5°	777.3	776.0	772.7	769.4	768.8	768.1	768.1	767.5	767.5	768.8	772.7
5°	773.3	772.7	769.4	766.2	765.6	765.6	764.9	764.9	764.9	766.2	770.1
7.5°	768.1	766.8	763.6	760.4	759.6	759.6	759.6	759.0	759.6	760.4	764.9
10°	762.9	762.3	759.0	755.1	753.8	753.8	753.1	751.8	751.8	753.1	757.7
12.5°	749.8	749.2	746.0	743.3	743.3	744.0	744.0	744.6	744.6	746.0	749.2
15°	736.2	735.5	732.3	729.6	729.6	729.6	729.0	729.0	729.6	733.6	739.4
17.5°	721.1	720.5	717.9	715.3	715.3	715.3	714.6	714.6	715.3	717.3	723.1
20°	704.8	704.2	701.5	699.0	699.0	699.0	698.3	699.0	699.0	701.5	706.8
22.5°	689.2	687.9	684.6	682.0	680.7	680.7	680.7	680.0	681.3	683.3	688.6
25°	666.3	665.7	664.4	662.4	663.8	664.4	663.0	661.8	661.8	664.4	669.0
27.5°	645.5	644.1	642.2	640.3	638.9	639.6	640.3	641.5	643.5	644.1	648.0
30°	621.3	620.7	618.7	616.1	616.8	617.4	617.4	617.4	618.7	624.5	625.9
32.5°	597.8	597.2	595.2	592.6	593.2	593.9	593.2	593.9	595.2	597.8	603.7
35°	574.3	573.0	571.0	570.4	569.7	569.7	569.7	570.4	571.0	573.0	576.2
37.5°	547.5	546.2	545.0	543.0	544.3	545.6	546.2	545.6	546.2	548.9	550.2
40°	520.8	520.2	518.9	517.5	518.1	518.9	518.1	520.2	521.4	522.7	523.4
42.5°	495.4	494.0	492.7	492.1	492.1	492.7	492.7	494.0	494.0	497.3	496.7
45°	466.7	466.0	465.3	465.3	466.0	466.0	466.0	466.7	467.3	469.2	469.9
47.5°	438.6	437.9	437.9	437.9	437.9	438.6	439.2	441.1	439.9	440.5	441.1
50°	410.5	409.9	409.9	409.9	411.1	411.1	412.4	413.2	413.8	412.4	413.2
52.5°	381.8	381.1	382.4	382.4	383.8	383.8	385.7	383.8	385.1	384.4	384.4
55°	353.7	353.1	354.3	353.7	355.1	355.1	356.4	357.0	356.4	356.4	356.4
57.5°	325.0	324.3	325.0	325.7	326.4	326.4	328.3	328.3	326.4	327.6	327.0
60°	296.3	295.6	296.3	297.0	297.6	297.6	298.3	297.0	298.3	298.9	298.3
62.5°	267.5	266.9	268.3	267.5	268.3	268.9	268.9	270.8	270.2	270.2	269.6
65°	238.9	238.2	238.2	238.2	238.9	239.6	240.2	240.8	240.8	241.5	240.8
67.5°	209.5	208.8	209.5	208.8	209.5	210.2	211.5	212.1	212.1	212.7	212.1
70°	179.5	180.1	179.5	180.1	180.8	181.5	182.1	183.4	183.4	183.4	183.4
72.5°	150.1	149.5	149.5	148.8	150.1	150.7	151.4	153.4	153.4	154.0	154.0
75°	121.4	120.1	120.7	120.1	122.7	123.4	123.4	125.3	125.9	127.2	126.6
77.5°	93.3	93.3	92.0	94.0	94.7	95.9	97.2	98.5	99.2	101.2	101.2
80°	66.6	66.6	65.9	67.2	69.8	70.5	72.4	73.1	75.1	76.4	77.0
82.5°	42.4	42.4	42.4	44.4	46.4	47.0	48.9	50.9	52.2	54.1	54.8
85°	20.9	22.2	22.2	24.8	26.1	27.4	28.1	30.6	32.7	35.2	37.2
87.5°	6.5	7.2	7.9	9.1	11.7	12.4	13.7	16.3	18.3	20.9	22.9
90°	0.6	0.6	1.3	1.9	3.3	3.9	5.2	6.5	8.5	10.4	11.7
92.5°	4.6	4.6	5.2	5.2	5.2	5.2	5.2	5.9	6.5	7.9	8.5
95°	11.1	17.7	10.4	9.8	11.1	11.1	11.7	11.1	11.1	11.1	11.1
97.5°	18.3	32.7	21.5	15.0	14.4	15.0	15.0	16.3	17.0	17.7	17.7
100°	26.8	41.1	37.9	24.8	20.2	19.6	19.6	19.6	20.2	20.9	21.5
102.5°	35.2	47.0	54.1	38.5	28.7	26.1	24.8	24.1	23.5	24.1	24.1
105°	43.7	52.9	66.6	52.2	41.1	37.2	33.3	28.7	28.1	28.1	28.1
107.5°	51.6	58.7	75.7	67.9	53.5	49.6	45.0	37.9	33.3	32.7	32.0
110°	58.7	64.6	82.2	80.9	67.2	61.4	57.4	49.6	43.1	38.5	36.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	65.3	70.5	86.8	92.0	82.2	75.1	69.1	61.4	54.1	48.3	43.7
115°	71.8	76.4	90.7	101.2	95.3	89.4	82.9	73.1	65.9	60.0	54.8
117.5°	78.3	82.2	94.7	107.7	106.4	102.4	97.2	85.5	77.0	71.2	65.3
120°	84.1	88.1	98.5	112.2	116.2	112.9	109.7	99.2	88.7	82.2	77.0
122.5°	89.4	92.7	102.4	116.2	123.4	122.7	119.5	112.2	101.8	94.0	87.4
125°	94.7	97.9	106.4	118.8	128.6	130.5	129.2	123.4	115.5	106.4	98.5
127.5°	99.9	102.4	110.3	121.4	132.4	136.4	137.0	133.2	127.2	119.5	110.9
130°	104.5	107.0	113.6	123.4	135.1	139.7	142.3	141.6	137.0	131.8	123.4
132.5°	108.3	110.3	116.8	125.3	136.4	141.6	145.5	148.8	145.5	141.6	135.7
135°	112.2	114.2	119.5	127.2	137.0	142.3	147.5	152.8	153.4	150.1	145.5
137.5°	115.5	116.8	122.0	128.6	137.0	142.3	147.5	154.7	158.6	157.3	153.4
140°	118.8	120.1	124.0	130.5	137.7	142.3	146.8	155.3	160.5	162.5	160.5
142.5°	121.4	122.7	125.9	131.8	137.7	141.6	146.2	154.0	161.2	165.1	166.4
145°	124.0	124.7	127.9	132.4	137.7	140.9	144.9	152.8	159.9	165.7	169.7
147.5°	125.9	126.6	128.6	133.2	137.7	140.3	143.6	150.1	157.3	163.8	169.7
150°	127.9	127.9	129.9	133.2	137.7	139.7	142.3	148.2	154.0	160.5	165.7
152.5°	129.2	129.2	131.2	133.8	137.0	139.0	141.6	146.2	151.4	157.3	162.5
155°	130.5	130.5	131.8	133.8	137.0	138.4	140.3	144.2	148.8	153.4	158.0
157.5°	131.8	131.8	132.4	134.5	136.4	137.7	139.7	143.0	146.2	150.1	154.0
160°	132.4	132.4	133.2	134.5	135.7	137.0	138.4	140.9	144.2	146.8	150.1
162.5°	133.2	133.2	133.8	134.5	135.7	136.4	137.0	139.7	141.6	144.2	146.8
165°	133.8	133.8	133.8	134.5	135.1	135.7	136.4	137.7	139.7	141.6	143.6
167.5°	134.5	134.5	134.5	134.5	135.1	135.1	135.7	136.4	137.7	139.0	140.3
170°	135.1	134.5	134.5	135.1	134.5	134.5	135.1	135.7	135.7	137.0	137.7
172.5°	135.1	135.1	134.5	134.5	134.5	134.5	134.5	134.5	134.5	135.1	135.7
175°	135.1	135.1	134.5	134.5	134.5	133.8	133.8	133.8	133.8	133.8	133.8
177.5°	135.1	135.1	134.5	134.5	133.8	133.8	133.8	133.8	133.8	133.8	133.8
180°	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	771.4	771.4	771.4	771.4	771.4	771.4	771.4	771.4	771.4	771.4
2.5°	776.6	773.3	772.1	771.4	770.8	770.1	768.8	767.5	766.2	766.2
5°	773.3	770.1	768.8	768.1	767.5	766.8	766.2	766.2	766.2	766.2
7.5°	768.1	764.9	763.6	762.9	762.9	762.3	762.3	762.3	761.6	762.3
10°	760.4	757.1	756.4	755.8	755.1	753.8	753.8	753.8	753.1	753.8
12.5°	750.6	747.3	746.6	746.0	745.3	744.6	744.6	744.0	744.0	744.6
15°	740.7	736.2	734.8	734.8	734.2	733.6	734.2	733.6	733.6	733.6
17.5°	726.4	724.4	722.5	721.1	720.5	719.8	719.8	719.2	719.2	719.2
20°	707.5	707.5	707.5	704.2	703.6	702.9	702.9	702.9	702.9	702.9
22.5°	689.2	685.9	688.6	686.5	685.3	684.0	684.6	684.6	684.6	684.6
25°	669.0	666.3	667.0	667.6	666.3	664.4	664.4	664.4	664.4	663.8
27.5°	647.4	645.5	644.8	645.5	646.8	645.5	643.5	641.5	642.2	642.2
30°	623.9	623.2	622.6	621.3	622.6	623.2	620.0	619.3	619.3	619.3
32.5°	600.4	599.7	597.8	596.5	597.2	598.5	597.2	595.8	595.8	595.8
35°	577.0	574.3	572.4	571.7	571.7	573.0	572.4	570.4	570.4	570.4
37.5°	549.5	550.2	546.9	546.2	546.2	546.2	547.5	544.3	545.0	544.3
40°	522.7	523.4	521.4	519.5	520.2	518.9	520.8	517.5	517.5	517.5
42.5°	496.0	494.7	495.4	491.4	492.1	492.1	492.7	490.8	490.2	489.4
45°	468.6	467.3	466.7	464.6	464.6	464.0	464.0	461.4	461.4	461.4
47.5°	439.9	439.2	437.9	436.6	436.6	435.9	434.6	434.0	433.4	433.4
50°	412.4	410.5	408.6	409.2	408.6	407.9	406.6	405.9	405.3	404.6
52.5°	383.1	383.1	380.5	380.5	380.5	379.9	378.5	377.2	377.2	376.6
55°	354.3	353.7	351.8	351.1	351.8	351.1	349.8	348.5	348.5	347.8
57.5°	325.7	324.3	323.7	323.7	323.1	323.1	321.1	319.8	320.4	319.8
60°	296.3	296.3	295.6	295.0	295.0	294.3	292.4	292.4	292.4	291.7
62.5°	268.3	268.3	266.9	266.3	266.9	266.3	265.6	265.0	264.3	263.7
65°	238.9	239.6	238.2	238.9	238.9	237.5	237.5	236.9	236.9	236.3
67.5°	211.5	211.5	210.8	210.8	211.5	210.8	210.8	210.2	210.2	209.5
70°	183.4	184.7	184.0	184.0	184.0	183.4	183.4	183.4	182.7	183.4
72.5°	155.3	155.3	155.3	155.3	155.3	155.9	155.9	155.9	155.9	155.3
75°	129.2	129.9	129.2	129.9	130.5	130.5	130.5	130.5	131.2	130.5
77.5°	103.8	104.5	104.5	105.7	105.7	105.7	106.4	106.4	106.4	106.4
80°	79.6	80.3	80.9	82.2	82.2	83.5	84.1	84.1	84.1	84.1
82.5°	57.4	59.4	60.0	62.0	62.7	62.7	63.9	64.6	64.6	64.6
85°	39.8	41.8	43.1	44.4	45.7	45.7	47.0	47.0	47.7	47.7
87.5°	24.8	26.8	28.1	30.0	30.6	31.3	32.0	32.7	33.3	33.3
90°	13.7	15.0	16.3	17.7	17.7	18.3	18.9	19.6	20.2	20.2
92.5°	9.8	10.4	11.7	12.4	12.4	13.1	13.7	13.7	14.4	14.4
95°	11.1	11.7	11.7	12.4	12.4	12.4	13.1	13.1	13.1	13.1
97.5°	17.0	17.0	17.0	16.3	16.3	16.3	16.3	16.3	16.3	16.3
100°	22.2	22.9	22.9	22.9	23.5	23.5	23.5	23.5	22.9	22.9
102.5°	24.8	25.4	26.1	26.8	26.8	26.8	27.4	27.4	27.4	27.4
105°	28.1	28.1	28.7	29.4	29.4	29.4	30.0	30.0	30.0	30.0
107.5°	32.0	32.0	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
110°	36.6	36.6	36.6	35.9	36.6	35.9	35.9	35.9	35.9	35.9



TEST NUMBER: P395077

CATALOG NUMBER: I3-WL-30L940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	41.8	41.1	41.1	40.4	40.4	40.4	39.8	39.8	39.8	39.8
115°	50.2	47.0	45.7	44.4	44.4	44.4	43.7	43.7	43.7	43.7
117.5°	60.7	56.2	53.5	50.9	50.2	49.6	48.3	48.3	47.7	47.7
120°	71.8	67.2	63.3	60.0	58.7	58.1	56.2	54.8	53.5	53.5
122.5°	82.2	77.7	73.7	70.5	69.1	67.9	65.9	64.6	63.3	63.3
125°	92.7	88.1	84.1	80.9	78.9	77.7	75.7	74.4	73.1	73.1
127.5°	103.8	97.9	94.0	90.7	88.7	88.1	85.5	84.1	82.9	82.9
130°	116.2	109.0	103.8	99.9	98.5	97.2	95.3	94.0	92.7	92.7
132.5°	128.6	121.4	115.5	110.3	108.3	107.0	104.5	103.1	101.8	101.8
135°	140.3	133.8	127.9	122.7	120.7	118.8	116.2	113.6	112.2	112.2
137.5°	149.5	144.9	139.7	135.1	133.2	131.2	128.6	125.9	124.0	124.7
140°	157.3	153.4	150.1	146.8	144.9	143.6	140.9	139.0	137.0	137.0
142.5°	164.5	161.2	158.0	155.3	154.7	154.0	152.1	150.1	148.8	148.8
145°	170.9	169.0	166.4	163.2	162.5	161.9	159.9	158.6	158.0	158.0
147.5°	173.0	173.6	173.0	170.9	170.3	169.7	168.4	167.1	166.4	166.4
150°	171.7	174.2	175.5	175.5	175.5	175.5	175.5	174.2	173.6	173.6
152.5°	167.8	171.7	174.2	176.2	176.9	177.5	177.5	178.2	177.5	177.5
155°	163.2	167.1	170.9	173.0	174.2	174.9	176.2	176.9	177.5	176.9
157.5°	158.0	161.2	163.8	167.8	169.0	170.3	171.7	173.0	173.6	173.0
160°	153.4	155.9	158.0	160.5	161.2	162.5	163.8	164.5	165.7	165.1
162.5°	148.8	150.7	152.8	154.0	155.3	155.9	157.3	158.0	158.6	158.0
165°	145.5	146.8	147.5	148.8	149.5	150.1	150.7	151.4	151.4	151.4
167.5°	141.6	143.0	143.6	144.2	144.9	145.5	145.5	146.2	146.2	146.2
170°	138.4	139.0	139.7	140.3	140.3	140.9	140.9	140.9	141.6	140.9
172.5°	135.7	135.7	135.7	136.4	136.4	136.4	136.4	136.4	136.4	135.7
175°	134.5	134.5	133.8	133.8	133.8	133.8	133.8	133.2	132.4	131.8
177.5°	133.8	133.2	133.2	132.4	132.4	132.4	131.8	131.2	130.5	129.9
180°	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2

(END OF REPORT)