

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: P395842

Luminaire Tested: **I3-WL-30L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-WL-30L92765-1D-UNV-W2A-W-4 (3000K)
Description: CORELITE I3, DOWNLIGHT TRAY
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2328.9 lumens
Efficiency: N/A
Efficacy: 91.0 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

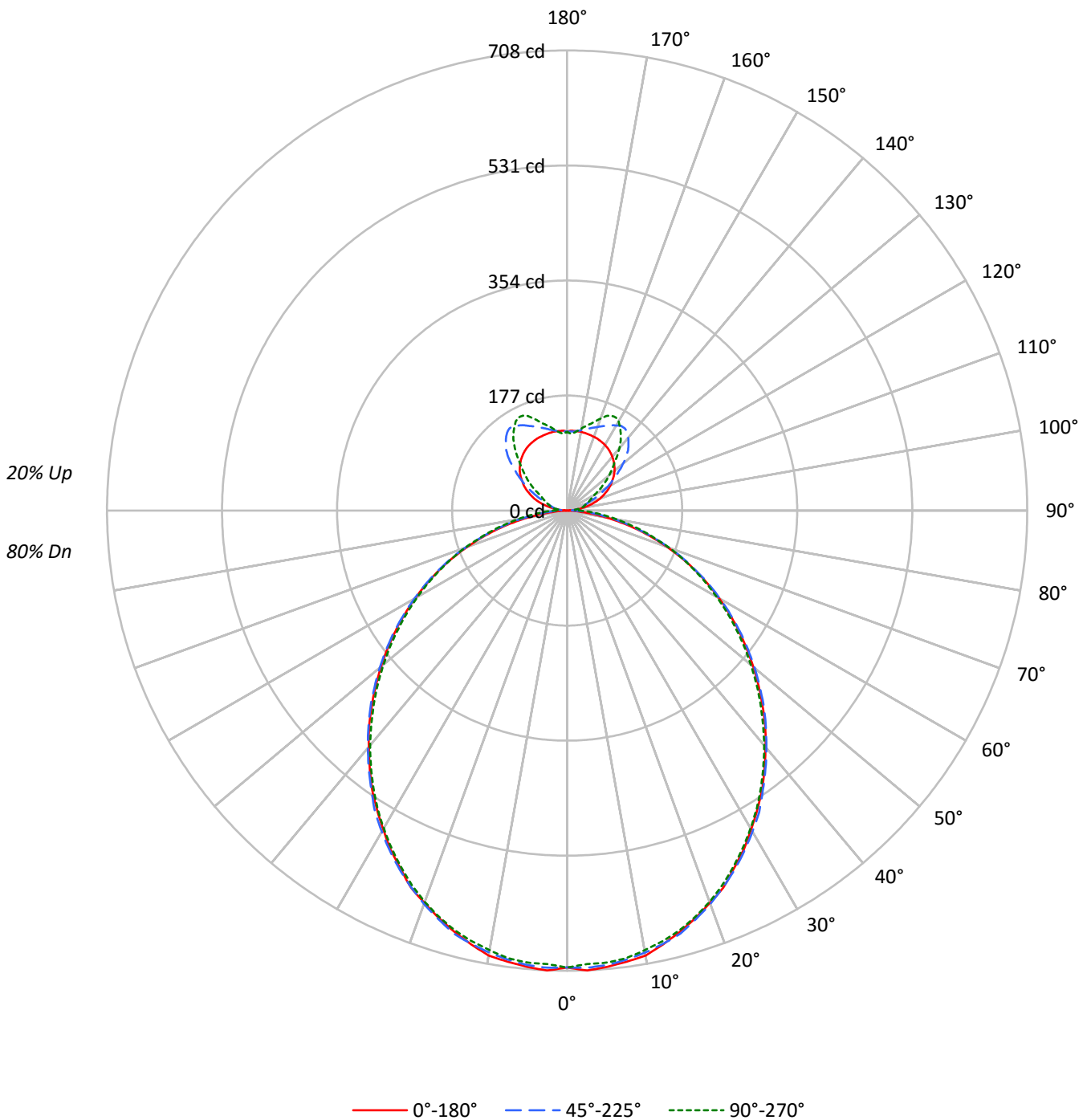
Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3863	3863	3863
5°	3874	3784	3743
10°	3851	3681	3621
15°	3774	3579	3492
20°	3700	3435	3341
25°	3611	3289	3174
30°	3507	3138	3004
35°	3410	2971	2828
40°	3288	2798	2644
45°	3170	2630	2451
50°	3045	2445	2256
55°	2912	2255	2058
60°	2764	2046	1852
65°	2595	1817	1633
70°	2353	1552	1402
75°	2027	1230	1125
80°	1548	886	840
85°	806	529	569



TEST NUMBER: P395842

CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.4	2.9
10°-20°	188.4	8.1
20°-30°	278.9	12.0
30°-40°	326.0	14.0
40°-50°	327.5	14.1
50°-60°	287.8	12.4
60°-70°	215.6	9.3
70°-80°	122.6	5.3
80°-90°	38.7	1.7
90°-100°	14.0	0.6
100°-110°	34.0	1.5
110°-120°	56.5	2.4
120°-130°	79.3	3.4
130°-140°	91.4	3.9
140°-150°	87.2	3.7
150°-160°	65.6	2.8
160°-170°	37.1	1.6
170°-180°	11.8	0.5
0°-30°	533.7	22.9
0°-40°	859.7	36.9
0°-60°	1475.0	63.3
0°-90°	1852.0	79.5
90°-120°	104.5	4.5
90°-150°	362.4	15.6
90°-180°	477.0	20.5
0°-180°	2328.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	703	703	703	703	703	
5°	705	698	702	699	698	67
15°	671	665	674	669	668	189
25°	607	605	610	607	605	280
35°	523	519	525	521	520	327
45°	425	425	428	423	420	328
55°	322	324	325	320	317	288
65°	218	218	219	218	215	215
75°	111	112	115	119	119	117
85°	19	25	34	42	43	25
90°	1	4	11	16	18	2
95°	10	10	10	11	12	11
105°	40	34	26	27	27	42
115°	65	82	50	40	40	65
125°	86	119	90	72	67	77
135°	102	130	133	110	102	79
145°	113	128	155	148	144	71
155°	119	126	144	159	161	55
165°	122	124	131	136	138	35
175°	123	122	122	122	120	12
180°	121	121	121	121	121	



TEST NUMBER: P395842

CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	702.9	702.9	702.9	702.9	702.9	702.9	702.9	702.9	702.9	702.9	702.9
2.5°	708.3	707.1	704.1	701.2	700.6	700.0	700.0	699.4	699.4	700.6	704.1
5°	704.7	704.1	701.2	698.2	697.6	697.6	697.0	697.0	697.0	698.2	701.8
7.5°	700.0	698.8	695.8	692.8	692.2	692.2	692.2	691.7	692.2	692.8	697.0
10°	695.2	694.6	691.7	688.1	686.9	686.9	686.3	685.1	685.1	686.3	690.5
12.5°	683.3	682.7	679.8	677.4	677.4	678.0	678.0	678.6	678.6	679.8	682.7
15°	670.8	670.2	667.3	664.9	664.9	664.9	664.3	664.3	664.9	668.5	673.8
17.5°	657.2	656.6	654.2	651.8	651.8	651.8	651.2	651.2	651.8	653.6	658.9
20°	642.3	641.7	639.3	636.9	636.9	636.9	636.3	636.9	636.9	639.3	644.1
22.5°	628.0	626.8	623.9	621.5	620.3	620.3	620.3	619.7	620.9	622.7	627.4
25°	607.2	606.6	605.4	603.6	604.8	605.4	604.2	603.0	603.0	605.4	609.6
27.5°	588.2	587.0	585.2	583.4	582.2	582.8	583.4	584.6	586.4	587.0	590.5
30°	566.2	565.6	563.8	561.4	562.0	562.6	562.6	562.6	563.8	569.1	570.3
32.5°	544.8	544.2	542.4	540.0	540.6	541.2	540.6	541.2	542.4	544.8	550.1
35°	523.3	522.2	520.4	519.8	519.2	519.2	519.2	519.8	520.4	522.2	525.1
37.5°	499.0	497.8	496.6	494.8	496.0	497.2	497.8	497.2	497.8	500.2	501.3
40°	474.6	474.0	472.8	471.6	472.2	472.8	472.2	474.0	475.2	476.4	477.0
42.5°	451.4	450.2	449.0	448.4	448.4	449.0	449.0	450.2	450.2	453.2	452.6
45°	425.2	424.6	424.0	424.0	424.6	424.6	424.6	425.2	425.8	427.6	428.2
47.5°	399.6	399.1	399.1	399.1	399.1	399.6	400.2	402.0	400.8	401.4	402.0
50°	374.1	373.5	373.5	373.5	374.7	374.7	375.9	376.5	377.0	375.9	376.5
52.5°	347.9	347.3	348.5	348.5	349.7	349.7	351.5	349.7	350.9	350.3	350.3
55°	322.3	321.7	322.9	322.3	323.5	323.5	324.7	325.3	324.7	324.7	324.7
57.5°	296.2	295.6	296.2	296.8	297.4	297.4	299.1	299.1	297.4	298.5	298.0
60°	270.0	269.4	270.0	270.6	271.2	271.2	271.8	270.6	271.8	272.4	271.8
62.5°	243.8	243.2	244.4	243.8	244.4	245.0	245.0	246.8	246.2	246.2	245.6
65°	217.7	217.1	217.1	217.1	217.7	218.3	218.9	219.4	219.4	220.0	219.4
67.5°	190.9	190.3	190.9	190.3	190.9	191.5	192.7	193.3	193.3	193.9	193.3
70°	163.5	164.1	163.5	164.1	164.7	165.3	165.9	167.1	167.1	167.1	167.1
72.5°	136.8	136.2	136.2	135.6	136.8	137.4	138.0	139.8	139.8	140.4	140.4
75°	110.6	109.4	110.0	109.4	111.8	112.4	112.4	114.2	114.8	116.0	115.4
77.5°	85.0	85.0	83.9	85.6	86.2	87.4	88.6	89.8	90.4	92.2	92.2
80°	60.7	60.7	60.1	61.3	63.6	64.2	66.0	66.6	68.4	69.6	70.2
82.5°	38.7	38.7	38.7	40.4	42.2	42.8	44.6	46.4	47.6	49.4	50.0
85°	19.0	20.2	20.2	22.6	23.8	25.0	25.6	28.0	29.7	32.1	33.9
87.5°	5.9	6.5	7.1	8.3	10.7	11.3	12.5	14.9	16.7	19.0	20.8
90°	0.6	0.6	1.2	1.8	3.0	3.6	4.8	5.9	7.7	9.5	10.7
92.5°	4.2	4.2	4.8	4.8	4.8	4.8	4.8	5.4	5.9	7.1	7.7
95°	10.1	16.1	9.5	8.9	10.1	10.1	10.7	10.1	10.1	10.1	10.1
97.5°	16.7	29.7	19.6	13.7	13.1	13.7	13.7	14.9	15.5	16.1	16.1
100°	24.4	37.5	34.5	22.6	18.4	17.8	17.8	17.8	18.4	19.0	19.6
102.5°	32.1	42.8	49.4	35.1	26.2	23.8	22.6	22.0	21.4	22.0	22.0
105°	39.8	48.2	60.7	47.6	37.5	33.9	30.3	26.2	25.6	25.6	25.6
107.5°	47.0	53.5	69.0	61.9	48.8	45.2	41.0	34.5	30.3	29.7	29.1
110°	53.5	58.9	74.9	73.7	61.3	55.9	52.3	45.2	39.3	35.1	33.3



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CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	59.5	64.2	79.1	83.9	74.9	68.4	63.0	55.9	49.4	44.0	39.8
115°	65.4	69.6	82.7	92.2	86.8	81.5	75.5	66.6	60.1	54.7	50.0
117.5°	71.4	74.9	86.2	98.1	96.9	93.4	88.6	77.9	70.2	64.8	59.5
120°	76.7	80.3	89.8	102.3	105.9	102.9	99.9	90.4	80.9	74.9	70.2
122.5°	81.5	84.4	93.4	105.9	112.4	111.8	108.8	102.3	92.8	85.6	79.7
125°	86.2	89.2	96.9	108.2	117.2	118.9	117.8	112.4	105.3	96.9	89.8
127.5°	91.0	93.4	100.5	110.6	120.7	124.3	124.9	121.3	116.0	108.8	101.1
130°	95.2	97.5	103.5	112.4	123.1	127.3	129.6	129.1	124.9	120.1	112.4
132.5°	98.7	100.5	106.5	114.2	124.3	129.1	132.6	135.6	132.6	129.1	123.7
135°	102.3	104.1	108.8	116.0	124.9	129.6	134.4	139.2	139.8	136.8	132.6
137.5°	105.3	106.5	111.2	117.2	124.9	129.6	134.4	140.9	144.5	143.3	139.8
140°	108.2	109.4	113.0	118.9	125.5	129.6	133.8	141.5	146.3	148.1	146.3
142.5°	110.6	111.8	114.8	120.1	125.5	129.1	133.2	140.4	146.9	150.5	151.7
145°	113.0	113.6	116.6	120.7	125.5	128.5	132.0	139.2	145.7	151.1	154.6
147.5°	114.8	115.4	117.2	121.3	125.5	127.9	130.8	136.8	143.3	149.3	154.6
150°	116.6	116.6	118.3	121.3	125.5	127.3	129.6	135.0	140.4	146.3	151.1
152.5°	117.8	117.8	119.5	121.9	124.9	126.7	129.1	133.2	138.0	143.3	148.1
155°	118.9	118.9	120.1	121.9	124.9	126.1	127.9	131.4	135.6	139.8	143.9
157.5°	120.1	120.1	120.7	122.5	124.3	125.5	127.3	130.2	133.2	136.8	140.4
160°	120.7	120.7	121.3	122.5	123.7	124.9	126.1	128.5	131.4	133.8	136.8
162.5°	121.3	121.3	121.9	122.5	123.7	124.3	124.9	127.3	129.1	131.4	133.8
165°	121.9	121.9	121.9	122.5	123.1	123.7	124.3	125.5	127.3	129.1	130.8
167.5°	122.5	122.5	122.5	122.5	123.1	123.1	123.7	124.3	125.5	126.7	127.9
170°	123.1	122.5	122.5	123.1	122.5	122.5	123.1	123.7	123.7	124.9	125.5
172.5°	123.1	123.1	122.5	122.5	122.5	122.5	122.5	122.5	122.5	123.1	123.7
175°	123.1	123.1	122.5	122.5	122.5	121.9	121.9	121.9	121.9	121.9	121.9
177.5°	123.1	123.1	122.5	122.5	121.9	121.9	121.9	121.9	121.9	121.9	121.9
180°	121.3	121.3	121.3	121.3	121.3	121.3	121.3	121.3	121.3	121.3	121.3



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	702.9	702.9	702.9	702.9	702.9	702.9	702.9	702.9	702.9	702.9
2.5°	707.7	704.7	703.5	702.9	702.4	701.8	700.6	699.4	698.2	698.2
5°	704.7	701.8	700.6	700.0	699.4	698.8	698.2	698.2	698.2	698.2
7.5°	700.0	697.0	695.8	695.2	695.2	694.6	694.6	694.6	694.0	694.6
10°	692.8	689.9	689.3	688.7	688.1	686.9	686.9	686.9	686.3	686.9
12.5°	683.9	680.9	680.4	679.8	679.2	678.6	678.6	678.0	678.0	678.6
15°	675.0	670.8	669.6	669.6	669.1	668.5	669.1	668.5	668.5	668.5
17.5°	661.9	660.1	658.3	657.2	656.6	656.0	656.0	655.4	655.4	655.4
20°	644.7	644.7	644.7	641.7	641.1	640.5	640.5	640.5	640.5	640.5
22.5°	628.0	625.0	627.4	625.6	624.4	623.3	623.9	623.9	623.9	623.9
25°	609.6	607.2	607.8	608.4	607.2	605.4	605.4	605.4	605.4	604.8
27.5°	590.0	588.2	587.6	588.2	589.4	588.2	586.4	584.6	585.2	585.2
30°	568.5	568.0	567.4	566.2	567.4	568.0	565.0	564.4	564.4	564.4
32.5°	547.1	546.5	544.8	543.6	544.2	545.4	544.2	543.0	543.0	543.0
35°	525.7	523.3	521.6	521.0	521.0	522.2	521.6	519.8	519.8	519.8
37.5°	500.7	501.3	498.4	497.8	497.8	497.8	499.0	496.0	496.6	496.0
40°	476.4	477.0	475.2	473.4	474.0	472.8	474.6	471.6	471.6	471.6
42.5°	452.0	450.8	451.4	447.8	448.4	448.4	449.0	447.2	446.6	446.0
45°	427.0	425.8	425.2	423.4	423.4	422.8	422.8	420.5	420.5	420.5
47.5°	400.8	400.2	399.1	397.9	397.9	397.3	396.1	395.5	394.9	394.9
50°	375.9	374.1	372.3	372.9	372.3	371.7	370.5	369.9	369.3	368.7
52.5°	349.1	349.1	346.7	346.7	346.7	346.1	344.9	343.7	343.7	343.1
55°	322.9	322.3	320.5	320.0	320.5	320.0	318.8	317.6	317.6	317.0
57.5°	296.8	295.6	295.0	295.0	294.4	294.4	292.6	291.4	292.0	291.4
60°	270.0	270.0	269.4	268.8	268.8	268.2	266.4	266.4	266.4	265.8
62.5°	244.4	244.4	243.2	242.6	243.2	242.6	242.0	241.5	240.9	240.3
65°	217.7	218.3	217.1	217.7	217.7	216.5	216.5	215.9	215.9	215.3
67.5°	192.7	192.7	192.1	192.1	192.7	192.1	192.1	191.5	191.5	190.9
70°	167.1	168.3	167.7	167.7	167.7	167.1	167.1	167.1	166.5	167.1
72.5°	141.5	141.5	141.5	141.5	141.5	142.1	142.1	142.1	142.1	141.5
75°	117.8	118.3	117.8	118.3	118.9	118.9	118.9	118.9	119.5	118.9
77.5°	94.6	95.2	95.2	96.3	96.3	96.3	96.9	96.9	96.9	96.9
80°	72.6	73.1	73.7	74.9	74.9	76.1	76.7	76.7	76.7	76.7
82.5°	52.3	54.1	54.7	56.5	57.1	57.1	58.3	58.9	58.9	58.9
85°	36.3	38.1	39.3	40.4	41.6	41.6	42.8	42.8	43.4	43.4
87.5°	22.6	24.4	25.6	27.4	28.0	28.5	29.1	29.7	30.3	30.3
90°	12.5	13.7	14.9	16.1	16.1	16.7	17.2	17.8	18.4	18.4
92.5°	8.9	9.5	10.7	11.3	11.3	11.9	12.5	12.5	13.1	13.1
95°	10.1	10.7	10.7	11.3	11.3	11.3	11.9	11.9	11.9	11.9
97.5°	15.5	15.5	15.5	14.9	14.9	14.9	14.9	14.9	14.9	14.9
100°	20.2	20.8	20.8	20.8	21.4	21.4	21.4	21.4	20.8	20.8
102.5°	22.6	23.2	23.8	24.4	24.4	24.4	25.0	25.0	25.0	25.0
105°	25.6	25.6	26.2	26.8	26.8	26.8	27.4	27.4	27.4	27.4
107.5°	29.1	29.1	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
110°	33.3	33.3	33.3	32.7	33.3	32.7	32.7	32.7	32.7	32.7



TEST NUMBER: P395842

CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	38.1	37.5	37.5	36.9	36.9	36.9	36.3	36.3	36.3	36.3
115°	45.8	42.8	41.6	40.4	40.4	40.4	39.8	39.8	39.8	39.8
117.5°	55.3	51.1	48.8	46.4	45.8	45.2	44.0	44.0	43.4	43.4
120°	65.4	61.3	57.7	54.7	53.5	52.9	51.1	50.0	48.8	48.8
122.5°	74.9	70.8	67.2	64.2	63.0	61.9	60.1	58.9	57.7	57.7
125°	84.4	80.3	76.7	73.7	72.0	70.8	69.0	67.8	66.6	66.6
127.5°	94.6	89.2	85.6	82.7	80.9	80.3	77.9	76.7	75.5	75.5
130°	105.9	99.3	94.6	91.0	89.8	88.6	86.8	85.6	84.4	84.4
132.5°	117.2	110.6	105.3	100.5	98.7	97.5	95.2	94.0	92.8	92.8
135°	127.9	121.9	116.6	111.8	110.0	108.2	105.9	103.5	102.3	102.3
137.5°	136.2	132.0	127.3	123.1	121.3	119.5	117.2	114.8	113.0	113.6
140°	143.3	139.8	136.8	133.8	132.0	130.8	128.5	126.7	124.9	124.9
142.5°	149.9	146.9	143.9	141.5	140.9	140.4	138.6	136.8	135.6	135.6
145°	155.8	154.0	151.7	148.7	148.1	147.5	145.7	144.5	143.9	143.9
147.5°	157.6	158.2	157.6	155.8	155.2	154.6	153.4	152.2	151.7	151.7
150°	156.4	158.8	160.0	160.0	160.0	160.0	160.0	158.8	158.2	158.2
152.5°	152.8	156.4	158.8	160.6	161.2	161.8	161.8	162.4	161.8	161.8
155°	148.7	152.2	155.8	157.6	158.8	159.4	160.6	161.2	161.8	161.2
157.5°	143.9	146.9	149.3	152.8	154.0	155.2	156.4	157.6	158.2	157.6
160°	139.8	142.1	143.9	146.3	146.9	148.1	149.3	149.9	151.1	150.5
162.5°	135.6	137.4	139.2	140.4	141.5	142.1	143.3	143.9	144.5	143.9
165°	132.6	133.8	134.4	135.6	136.2	136.8	137.4	138.0	138.0	138.0
167.5°	129.1	130.2	130.8	131.4	132.0	132.6	132.6	133.2	133.2	133.2
170°	126.1	126.7	127.3	127.9	127.9	128.5	128.5	128.5	129.1	128.5
172.5°	123.7	123.7	123.7	124.3	124.3	124.3	124.3	124.3	124.3	123.7
175°	122.5	122.5	121.9	121.9	121.9	121.9	121.9	121.3	120.7	120.1
177.5°	121.9	121.3	121.3	120.7	120.7	120.7	120.1	119.5	118.9	118.3
180°	121.3	121.3	121.3	121.3	121.3	121.3	121.3	121.3	121.3	121.3

(END OF REPORT)