

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: P395846

Luminaire Tested: **I3-WL-30L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395846
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 (5000K)
Description: CORELITE I3, DOWNLIGHT TRAY
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2640.3 lumens
Efficiency: N/A
Efficacy: 100.0 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

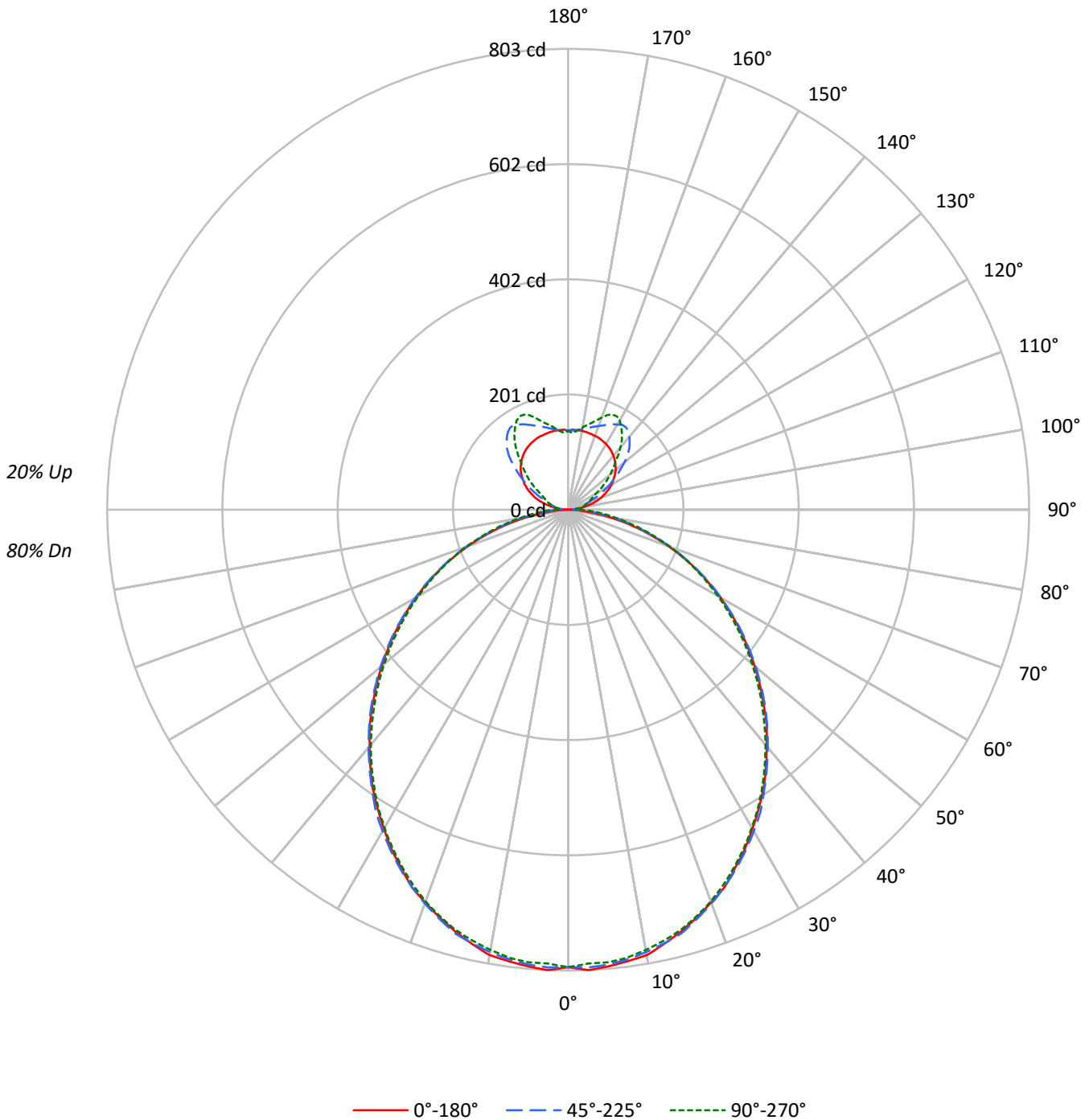
Input Watts (W): 26.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4381	4381	4381
5°	4392	4290	4244
10°	4366	4173	4105
15°	4279	4058	3959
20°	4194	3894	3788
25°	4094	3729	3599
30°	3976	3558	3406
35°	3866	3368	3206
40°	3728	3172	2998
45°	3594	2981	2779
50°	3451	2772	2558
55°	3301	2557	2333
60°	3134	2319	2101
65°	2941	2061	1851
70°	2668	1760	1590
75°	2298	1394	1277
80°	1754	1005	953
85°	916	600	645



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CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (5000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.3	2.9
10°-20°	213.6	8.1
20°-30°	316.2	12.0
30°-40°	369.6	14.0
40°-50°	371.3	14.1
50°-60°	326.3	12.4
60°-70°	244.5	9.3
70°-80°	139.0	5.3
80°-90°	43.9	1.7
90°-100°	15.8	0.6
100°-110°	38.5	1.5
110°-120°	64.1	2.4
120°-130°	89.9	3.4
130°-140°	103.6	3.9
140°-150°	98.9	3.7
150°-160°	74.4	2.8
160°-170°	42.1	1.6
170°-180°	13.3	0.5
0°-30°	605.1	22.9
0°-40°	974.7	36.9
0°-60°	1672.3	63.3
0°-90°	2099.7	79.5
90°-120°	118.4	4.5
90°-150°	410.8	15.6
90°-180°	541.0	20.5
0°-180°	2640.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	797	797	797	797	797	
5°	799	791	796	793	792	76
15°	761	754	764	758	758	214
25°	688	686	691	688	686	317
35°	593	589	595	591	589	370
45°	482	481	486	480	477	372
55°	365	367	368	363	359	327
65°	247	247	249	247	244	244
75°	125	127	131	135	135	133
85°	22	28	38	47	49	28
90°	1	4	12	18	21	2
95°	12	12	12	13	14	13
105°	45	38	29	30	31	47
115°	74	92	57	46	45	73
125°	98	135	102	82	76	87
135°	116	147	150	125	116	89
145°	128	146	175	168	163	80
155°	135	143	163	180	183	62
165°	138	140	148	154	156	39
175°	140	138	138	138	136	13
180°	138	138	138	138	138	



TEST NUMBER: P395846

CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	797.0	797.0	797.0	797.0	797.0	797.0	797.0	797.0	797.0	797.0	797.0
2.5°	803.0	801.7	798.3	794.9	794.3	793.6	793.6	792.9	792.9	794.3	798.3
5°	799.0	798.3	794.9	791.6	790.9	790.9	790.2	790.2	790.2	791.6	795.6
7.5°	793.6	792.2	788.9	785.5	784.8	784.8	784.8	784.2	784.8	785.5	790.2
10°	788.2	787.5	784.2	780.1	778.8	778.8	778.1	776.7	776.7	778.1	782.8
12.5°	774.7	774.0	770.7	768.0	768.0	768.6	768.6	769.3	769.3	770.7	774.0
15°	760.6	759.9	756.5	753.8	753.8	753.8	753.1	753.1	753.8	757.9	763.9
17.5°	745.0	744.4	741.7	739.0	739.0	739.0	738.3	738.3	739.0	741.0	747.1
20°	728.2	727.5	724.8	722.1	722.1	722.1	721.4	722.1	722.1	724.8	730.2
22.5°	712.0	710.7	707.3	704.6	703.2	703.2	703.2	702.6	703.9	705.9	711.3
25°	688.4	687.7	686.4	684.4	685.7	686.4	685.0	683.7	683.7	686.4	691.1
27.5°	666.8	665.5	663.5	661.4	660.1	660.8	661.4	662.8	664.8	665.5	669.5
30°	641.9	641.2	639.2	636.5	637.2	637.8	637.8	637.8	639.2	645.3	646.6
32.5°	617.6	616.9	614.9	612.2	612.9	613.6	612.9	613.6	614.9	617.6	623.7
35°	593.3	592.0	590.0	589.3	588.6	588.6	588.6	589.3	590.0	592.0	595.4
37.5°	565.7	564.3	563.0	561.0	562.3	563.7	564.3	563.7	564.3	567.0	568.4
40°	538.1	537.4	536.0	534.7	535.4	536.0	535.4	537.4	538.7	540.1	540.7
42.5°	511.8	510.4	509.1	508.4	508.4	509.1	509.1	510.4	510.4	513.8	513.1
45°	482.1	481.4	480.7	480.7	481.4	481.4	481.4	482.1	482.8	484.8	485.5
47.5°	453.1	452.4	452.4	452.4	452.4	453.1	453.8	455.8	454.4	455.1	455.8
50°	424.1	423.4	423.4	423.4	424.8	424.8	426.1	426.8	427.5	426.1	426.8
52.5°	394.4	393.8	395.1	395.1	396.5	396.5	398.5	396.5	397.8	397.1	397.1
55°	365.4	364.8	366.1	365.4	366.8	366.8	368.1	368.8	368.1	368.1	368.1
57.5°	335.8	335.1	335.8	336.5	337.1	337.1	339.1	339.1	337.1	338.5	337.8
60°	306.1	305.4	306.1	306.8	307.5	307.5	308.1	306.8	308.1	308.8	308.1
62.5°	276.4	275.8	277.1	276.4	277.1	277.8	277.8	279.8	279.1	279.1	278.5
65°	246.8	246.1	246.1	246.1	246.8	247.4	248.1	248.8	248.8	249.5	248.8
67.5°	216.4	215.8	216.4	215.8	216.4	217.1	218.5	219.1	219.1	219.8	219.1
70°	185.4	186.1	185.4	186.1	186.8	187.4	188.1	189.5	189.5	189.5	189.5
72.5°	155.1	154.4	154.4	153.7	155.1	155.8	156.4	158.4	158.4	159.1	159.1
75°	125.4	124.1	124.7	124.1	126.8	127.4	127.4	129.5	130.1	131.5	130.8
77.5°	96.4	96.4	95.1	97.1	97.8	99.1	100.5	101.8	102.5	104.5	104.5
80°	68.8	68.8	68.1	69.4	72.1	72.8	74.8	75.5	77.5	78.9	79.6
82.5°	43.8	43.8	43.8	45.8	47.9	48.5	50.6	52.6	53.9	56.0	56.6
85°	21.6	22.9	22.9	25.6	27.0	28.3	29.0	31.7	33.7	36.4	38.4
87.5°	6.7	7.4	8.1	9.4	12.1	12.8	14.2	16.9	18.9	21.6	23.6
90°	0.7	0.7	1.3	2.0	3.4	4.0	5.4	6.7	8.8	10.8	12.1
92.5°	4.7	4.7	5.4	5.4	5.4	5.4	5.4	6.1	6.7	8.1	8.8
95°	11.5	18.2	10.8	10.1	11.5	11.5	12.1	11.5	11.5	11.5	11.5
97.5°	18.9	33.7	22.3	15.5	14.8	15.5	15.5	16.9	17.5	18.2	18.2
100°	27.6	42.5	39.1	25.6	20.9	20.2	20.2	20.2	20.9	21.6	22.3
102.5°	36.4	48.5	56.0	39.8	29.7	27.0	25.6	24.9	24.3	24.9	24.9
105°	45.2	54.6	68.8	53.9	42.5	38.4	34.4	29.7	29.0	29.0	29.0
107.5°	53.3	60.7	78.2	70.1	55.3	51.2	46.5	39.1	34.4	33.7	33.0
110°	60.7	66.8	85.0	83.6	69.4	63.4	59.3	51.2	44.5	39.8	37.8



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CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	67.4	72.8	89.7	95.1	85.0	77.5	71.5	63.4	56.0	49.9	45.2
115°	74.2	78.9	93.7	104.5	98.4	92.4	85.6	75.5	68.1	62.0	56.6
117.5°	80.9	85.0	97.8	111.3	109.9	105.9	100.5	88.3	79.6	73.5	67.4
120°	87.0	91.0	101.8	116.0	120.0	116.6	113.3	102.5	91.7	85.0	79.6
122.5°	92.4	95.7	105.9	120.0	127.4	126.8	123.4	116.0	105.2	97.1	90.3
125°	97.8	101.1	109.9	122.7	132.8	134.9	133.5	127.4	119.3	109.9	101.8
127.5°	103.2	105.9	113.9	125.4	136.9	140.9	141.6	137.5	131.5	123.4	114.6
130°	107.9	110.6	117.3	127.4	139.6	144.3	147.0	146.3	141.6	136.2	127.4
132.5°	111.9	113.9	120.7	129.5	140.9	146.3	150.4	153.7	150.4	146.3	140.2
135°	116.0	118.0	123.4	131.5	141.6	147.0	152.4	157.8	158.4	155.1	150.4
137.5°	119.3	120.7	126.1	132.8	141.6	147.0	152.4	159.8	163.8	162.5	158.4
140°	122.7	124.1	128.1	134.9	142.3	147.0	151.7	160.5	165.9	167.9	165.9
142.5°	125.4	126.8	130.1	136.2	142.3	146.3	151.0	159.1	166.5	170.6	171.9
145°	128.1	128.8	132.2	136.9	142.3	145.6	149.7	157.8	165.2	171.3	175.3
147.5°	130.1	130.8	132.8	137.5	142.3	145.0	148.3	155.1	162.5	169.2	175.3
150°	132.2	132.2	134.2	137.5	142.3	144.3	147.0	153.1	159.1	165.9	171.3
152.5°	133.5	133.5	135.5	138.2	141.6	143.6	146.3	151.0	156.4	162.5	167.9
155°	134.9	134.9	136.2	138.2	141.6	142.9	145.0	149.0	153.7	158.4	163.2
157.5°	136.2	136.2	136.9	138.9	140.9	142.3	144.3	147.7	151.0	155.1	159.1
160°	136.9	136.9	137.5	138.9	140.2	141.6	142.9	145.6	149.0	151.7	155.1
162.5°	137.5	137.5	138.2	138.9	140.2	140.9	141.6	144.3	146.3	149.0	151.7
165°	138.2	138.2	138.2	138.9	139.6	140.2	140.9	142.3	144.3	146.3	148.3
167.5°	138.9	138.9	138.9	138.9	139.6	139.6	140.2	140.9	142.3	143.6	145.0
170°	139.6	138.9	138.9	139.6	138.9	138.9	139.6	140.2	140.2	141.6	142.3
172.5°	139.6	139.6	138.9	138.9	138.9	138.9	138.9	138.9	138.9	139.6	140.2
175°	139.6	139.6	138.9	138.9	138.9	138.2	138.2	138.2	138.2	138.2	138.2
177.5°	139.6	139.6	138.9	138.9	138.2	138.2	138.2	138.2	138.2	138.2	138.2
180°	137.5	137.5	137.5	137.5	137.5	137.5	137.5	137.5	137.5	137.5	137.5



TEST NUMBER: P395846

CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	797.0	797.0	797.0	797.0	797.0	797.0	797.0	797.0	797.0	797.0
2.5°	802.4	799.0	797.6	797.0	796.3	795.6	794.3	792.9	791.6	791.6
5°	799.0	795.6	794.3	793.6	792.9	792.2	791.6	791.6	791.6	791.6
7.5°	793.6	790.2	788.9	788.2	788.2	787.5	787.5	787.5	786.9	787.5
10°	785.5	782.1	781.5	780.8	780.1	778.8	778.8	778.8	778.1	778.8
12.5°	775.4	772.0	771.3	770.7	770.0	769.3	769.3	768.6	768.6	769.3
15°	765.3	760.6	759.2	759.2	758.5	757.9	758.5	757.9	757.9	757.9
17.5°	750.4	748.4	746.4	745.0	744.4	743.7	743.7	743.0	743.0	743.0
20°	730.9	730.9	730.9	727.5	726.8	726.2	726.2	726.2	726.2	726.2
22.5°	712.0	708.6	711.3	709.3	708.0	706.6	707.3	707.3	707.3	707.3
25°	691.1	688.4	689.1	689.8	688.4	686.4	686.4	686.4	686.4	685.7
27.5°	668.9	666.8	666.2	666.8	668.2	666.8	664.8	662.8	663.5	663.5
30°	644.6	643.9	643.2	641.9	643.2	643.9	640.5	639.9	639.9	639.9
32.5°	620.3	619.6	617.6	616.3	616.9	618.3	616.9	615.6	615.6	615.6
35°	596.0	593.3	591.3	590.6	590.6	592.0	591.3	589.3	589.3	589.3
37.5°	567.7	568.4	565.0	564.3	564.3	564.3	565.7	562.3	563.0	562.3
40°	540.1	540.7	538.7	536.7	537.4	536.0	538.1	534.7	534.7	534.7
42.5°	512.4	511.1	511.8	507.7	508.4	508.4	509.1	507.0	506.4	505.7
45°	484.1	482.8	482.1	480.1	480.1	479.4	479.4	476.7	476.7	476.7
47.5°	454.4	453.8	452.4	451.1	451.1	450.4	449.1	448.4	447.7	447.7
50°	426.1	424.1	422.1	422.8	422.1	421.4	420.1	419.4	418.7	418.0
52.5°	395.8	395.8	393.1	393.1	393.1	392.4	391.1	389.7	389.7	389.0
55°	366.1	365.4	363.4	362.7	363.4	362.7	361.4	360.0	360.0	359.4
57.5°	336.5	335.1	334.4	334.4	333.8	333.8	331.7	330.4	331.1	330.4
60°	306.1	306.1	305.4	304.8	304.8	304.1	302.1	302.1	302.1	301.4
62.5°	277.1	277.1	275.8	275.1	275.8	275.1	274.4	273.7	273.1	272.4
65°	246.8	247.4	246.1	246.8	246.8	245.4	245.4	244.8	244.8	244.1
67.5°	218.5	218.5	217.8	217.8	218.5	217.8	217.8	217.1	217.1	216.4
70°	189.5	190.8	190.1	190.1	190.1	189.5	189.5	189.5	188.8	189.5
72.5°	160.5	160.5	160.5	160.5	160.5	161.1	161.1	161.1	161.1	160.5
75°	133.5	134.2	133.5	134.2	134.9	134.9	134.9	134.9	135.5	134.9
77.5°	107.2	107.9	107.9	109.2	109.2	109.2	109.9	109.9	109.9	109.9
80°	82.3	82.9	83.6	85.0	85.0	86.3	87.0	87.0	87.0	87.0
82.5°	59.3	61.4	62.0	64.1	64.7	64.7	66.1	66.8	66.8	66.8
85°	41.1	43.2	44.5	45.8	47.2	47.2	48.5	48.5	49.2	49.2
87.5°	25.6	27.6	29.0	31.0	31.7	32.4	33.0	33.7	34.4	34.4
90°	14.2	15.5	16.9	18.2	18.2	18.9	19.6	20.2	20.9	20.9
92.5°	10.1	10.8	12.1	12.8	12.8	13.5	14.2	14.2	14.8	14.8
95°	11.5	12.1	12.1	12.8	12.8	12.8	13.5	13.5	13.5	13.5
97.5°	17.5	17.5	17.5	16.9	16.9	16.9	16.9	16.9	16.9	16.9
100°	22.9	23.6	23.6	23.6	24.3	24.3	24.3	24.3	23.6	23.6
102.5°	25.6	26.3	27.0	27.6	27.6	27.6	28.3	28.3	28.3	28.3
105°	29.0	29.0	29.7	30.3	30.3	30.3	31.0	31.0	31.0	31.0
107.5°	33.0	33.0	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
110°	37.8	37.8	37.8	37.1	37.8	37.1	37.1	37.1	37.1	37.1



TEST NUMBER: P395846

CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	43.2	42.5	42.5	41.8	41.8	41.8	41.1	41.1	41.1	41.1
115°	51.9	48.5	47.2	45.8	45.8	45.8	45.2	45.2	45.2	45.2
117.5°	62.7	58.0	55.3	52.6	51.9	51.2	49.9	49.9	49.2	49.2
120°	74.2	69.4	65.4	62.0	60.7	60.0	58.0	56.6	55.3	55.3
122.5°	85.0	80.2	76.2	72.8	71.5	70.1	68.1	66.8	65.4	65.4
125°	95.7	91.0	87.0	83.6	81.6	80.2	78.2	76.9	75.5	75.5
127.5°	107.2	101.1	97.1	93.7	91.7	91.0	88.3	87.0	85.6	85.6
130°	120.0	112.6	107.2	103.2	101.8	100.5	98.4	97.1	95.7	95.7
132.5°	132.8	125.4	119.3	113.9	111.9	110.6	107.9	106.5	105.2	105.2
135°	145.0	138.2	132.2	126.8	124.7	122.7	120.0	117.3	116.0	116.0
137.5°	154.4	149.7	144.3	139.6	137.5	135.5	132.8	130.1	128.1	128.8
140°	162.5	158.4	155.1	151.7	149.7	148.3	145.6	143.6	141.6	141.6
142.5°	169.9	166.5	163.2	160.5	159.8	159.1	157.1	155.1	153.7	153.7
145°	176.7	174.6	171.9	168.6	167.9	167.2	165.2	163.8	163.2	163.2
147.5°	178.7	179.4	178.7	176.7	176.0	175.3	174.0	172.6	171.9	171.9
150°	177.3	180.0	181.4	181.4	181.4	181.4	181.4	180.0	179.4	179.4
152.5°	173.3	177.3	180.0	182.0	182.7	183.4	183.4	184.1	183.4	183.4
155°	168.6	172.6	176.7	178.7	180.0	180.7	182.0	182.7	183.4	182.7
157.5°	163.2	166.5	169.2	173.3	174.6	176.0	177.3	178.7	179.4	178.7
160°	158.4	161.1	163.2	165.9	166.5	167.9	169.2	169.9	171.3	170.6
162.5°	153.7	155.8	157.8	159.1	160.5	161.1	162.5	163.2	163.8	163.2
165°	150.4	151.7	152.4	153.7	154.4	155.1	155.8	156.4	156.4	156.4
167.5°	146.3	147.7	148.3	149.0	149.7	150.4	150.4	151.0	151.0	151.0
170°	142.9	143.6	144.3	145.0	145.0	145.6	145.6	145.6	146.3	145.6
172.5°	140.2	140.2	140.2	140.9	140.9	140.9	140.9	140.9	140.9	140.2
175°	138.9	138.9	138.2	138.2	138.2	138.2	138.2	137.5	136.9	136.2
177.5°	138.2	137.5	137.5	136.9	136.9	136.9	136.2	135.5	134.9	134.2
180°	137.5	137.5	137.5	137.5	137.5	137.5	137.5	137.5	137.5	137.5

(END OF REPORT)