

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: P395828

Luminaire Tested: **I3-WL-30L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395828
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-30L82765-1D-UNV-W2A-W-4 (2700K)
Description: CORELITE I3, DOWNLIGHT TRAY
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2623.2 lumens
Efficiency: N/A
Efficacy: 101.7 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

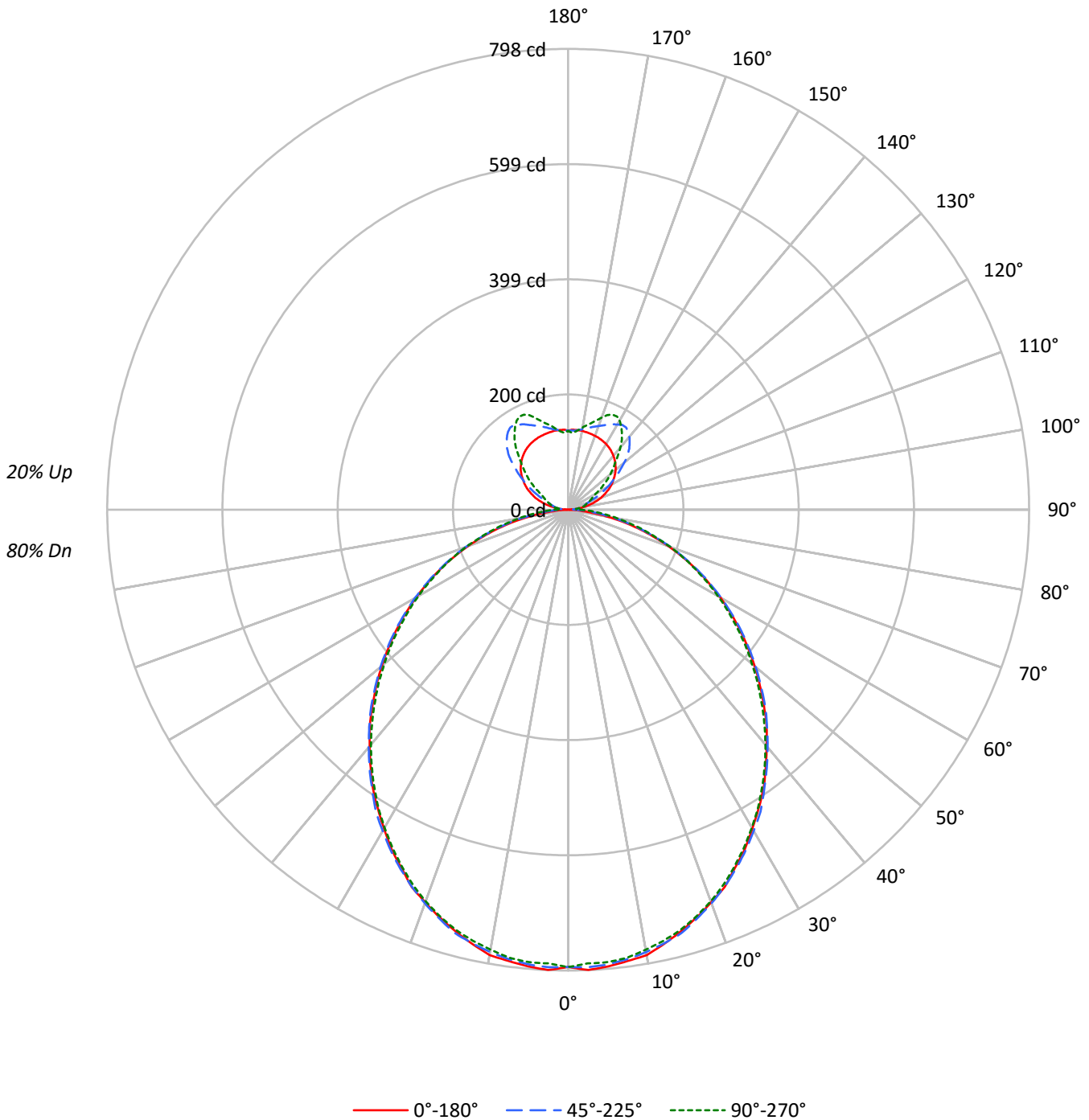
Input Watts (W): 25.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4352	4352	4352
5°	4364	4262	4216
10°	4338	4146	4079
15°	4251	4032	3933
20°	4167	3869	3764
25°	4067	3705	3576
30°	3950	3535	3383
35°	3841	3346	3185
40°	3704	3152	2978
45°	3571	2962	2761
50°	3429	2753	2542
55°	3280	2541	2318
60°	3113	2304	2087
65°	2922	2048	1839
70°	2650	1748	1579
75°	2283	1386	1268
80°	1742	997	946
85°	908	597	641



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CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (2700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.8	2.9
10°-20°	212.2	8.1
20°-30°	314.2	12.0
30°-40°	367.2	14.0
40°-50°	368.8	14.1
50°-60°	324.2	12.4
60°-70°	242.9	9.3
70°-80°	138.1	5.3
80°-90°	43.6	1.7
90°-100°	15.7	0.6
100°-110°	38.3	1.5
110°-120°	63.6	2.4
120°-130°	89.3	3.4
130°-140°	102.9	3.9
140°-150°	98.3	3.7
150°-160°	73.9	2.8
160°-170°	41.8	1.6
170°-180°	13.2	0.5
0°-30°	601.2	22.9
0°-40°	968.4	36.9
0°-60°	1661.4	63.3
0°-90°	2086.0	79.5
90°-120°	117.7	4.5
90°-150°	408.2	15.6
90°-180°	537.0	20.5
0°-180°	2623.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	792	792	792	792	792	
5°	794	786	790	788	786	75
15°	756	749	759	754	753	213
25°	684	682	687	684	681	315
35°	590	585	592	587	586	368
45°	479	478	482	477	474	370
55°	363	364	366	361	357	325
65°	245	246	247	245	242	242
75°	125	127	130	134	134	132
85°	21	28	38	47	49	28
90°	1	4	12	18	21	2
95°	11	11	11	13	13	13
105°	45	38	29	30	31	47
115°	74	92	56	46	45	73
125°	97	134	101	81	75	87
135°	115	146	149	124	115	89
145°	127	145	174	167	162	80
155°	134	142	162	179	182	62
165°	137	139	147	153	155	39
175°	139	137	137	137	135	13
180°	137	137	137	137	137	



TEST NUMBER: P395828

CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	791.8	791.8	791.8	791.8	791.8	791.8	791.8	791.8	791.8	791.8	791.8
2.5°	797.8	796.5	793.1	789.8	789.1	788.4	788.4	787.8	787.8	789.1	793.1
5°	793.8	793.1	789.8	786.4	785.8	785.8	785.1	785.1	785.1	786.4	790.4
7.5°	788.4	787.1	783.8	780.4	779.7	779.7	779.7	779.1	779.7	780.4	785.1
10°	783.1	782.4	779.1	775.0	773.7	773.7	773.0	771.7	771.7	773.0	777.7
12.5°	769.7	769.0	765.7	763.0	763.0	763.7	763.7	764.3	764.3	765.7	769.0
15°	755.6	754.9	751.6	748.9	748.9	748.9	748.2	748.2	748.9	752.9	759.0
17.5°	740.2	739.5	736.9	734.2	734.2	734.2	733.5	733.5	734.2	736.2	742.2
20°	723.5	722.8	720.1	717.4	717.4	717.4	716.8	717.4	717.4	720.1	725.5
22.5°	707.4	706.0	702.7	700.0	698.7	698.7	698.7	698.0	699.3	701.4	706.7
25°	683.9	683.3	681.9	679.9	681.3	681.9	680.6	679.3	679.3	681.9	686.6
27.5°	662.5	661.2	659.2	657.1	655.8	656.5	657.1	658.5	660.5	661.2	665.2
30°	637.7	637.0	635.0	632.4	633.0	633.7	633.7	633.7	635.0	641.1	642.4
32.5°	613.6	612.9	610.9	608.2	608.9	609.6	608.9	609.6	610.9	613.6	619.6
35°	589.5	588.1	586.1	585.5	584.8	584.8	584.8	585.5	586.1	588.1	591.5
37.5°	562.0	560.7	559.3	557.3	558.7	560.0	560.7	560.0	560.7	563.4	564.7
40°	534.6	533.9	532.5	531.2	531.9	532.5	531.9	533.9	535.2	536.6	537.2
42.5°	508.4	507.1	505.8	505.1	505.1	505.8	505.8	507.1	507.1	510.4	509.8
45°	479.0	478.3	477.6	477.6	478.3	478.3	478.3	479.0	479.6	481.6	482.3
47.5°	450.2	449.5	449.5	449.5	449.5	450.2	450.8	452.8	451.5	452.2	452.8
50°	421.3	420.7	420.7	420.7	422.0	422.0	423.4	424.0	424.7	423.4	424.0
52.5°	391.9	391.2	392.5	392.5	393.9	393.9	395.9	393.9	395.2	394.6	394.6
55°	363.1	362.4	363.7	363.1	364.4	364.4	365.8	366.4	365.8	365.8	365.8
57.5°	333.6	332.9	333.6	334.3	334.9	334.9	336.9	336.9	334.9	336.3	335.6
60°	304.1	303.5	304.1	304.8	305.5	305.5	306.1	304.8	306.1	306.8	306.1
62.5°	274.6	274.0	275.3	274.6	275.3	276.0	276.0	278.0	277.3	277.3	276.7
65°	245.2	244.5	244.5	244.5	245.2	245.8	246.5	247.2	247.2	247.9	247.2
67.5°	215.0	214.4	215.0	214.4	215.0	215.7	217.0	217.7	217.7	218.4	217.7
70°	184.2	184.9	184.2	184.9	185.6	186.2	186.9	188.2	188.2	188.2	188.2
72.5°	154.1	153.4	153.4	152.7	154.1	154.7	155.4	157.4	157.4	158.1	158.1
75°	124.6	123.3	123.9	123.3	125.9	126.6	126.6	128.6	129.3	130.6	130.0
77.5°	95.8	95.8	94.5	96.5	97.1	98.5	99.8	101.2	101.8	103.8	103.8
80°	68.3	68.3	67.7	69.0	71.7	72.3	74.4	75.0	77.0	78.4	79.0
82.5°	43.5	43.5	43.5	45.6	47.6	48.2	50.2	52.3	53.6	55.6	56.3
85°	21.4	22.8	22.8	25.5	26.8	28.1	28.8	31.5	33.5	36.2	38.2
87.5°	6.7	7.4	8.0	9.4	12.1	12.7	14.1	16.7	18.8	21.4	23.4
90°	0.7	0.7	1.3	2.0	3.3	4.0	5.4	6.7	8.7	10.7	12.1
92.5°	4.7	4.7	5.4	5.4	5.4	5.4	5.4	6.0	6.7	8.0	8.7
95°	11.4	18.1	10.7	10.0	11.4	11.4	12.1	11.4	11.4	11.4	11.4
97.5°	18.8	33.5	22.1	15.4	14.7	15.4	15.4	16.7	17.4	18.1	18.1
100°	27.5	42.2	38.9	25.5	20.8	20.1	20.1	20.1	20.8	21.4	22.1
102.5°	36.2	48.2	55.6	39.5	29.5	26.8	25.5	24.8	24.1	24.8	24.8
105°	44.9	54.3	68.3	53.6	42.2	38.2	34.2	29.5	28.8	28.8	28.8
107.5°	52.9	60.3	77.7	69.7	54.9	50.9	46.2	38.9	34.2	33.5	32.8
110°	60.3	66.3	84.4	83.1	69.0	63.0	58.9	50.9	44.2	39.5	37.5



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CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	67.0	72.3	89.1	94.5	84.4	77.0	71.0	63.0	55.6	49.6	44.9
115°	73.7	78.4	93.1	103.8	97.8	91.8	85.1	75.0	67.7	61.6	56.3
117.5°	80.4	84.4	97.1	110.5	109.2	105.2	99.8	87.8	79.0	73.0	67.0
120°	86.4	90.4	101.2	115.2	119.2	115.9	112.5	101.8	91.1	84.4	79.0
122.5°	91.8	95.1	105.2	119.2	126.6	125.9	122.6	115.2	104.5	96.5	89.8
125°	97.1	100.5	109.2	121.9	132.0	134.0	132.6	126.6	118.6	109.2	101.2
127.5°	102.5	105.2	113.2	124.6	136.0	140.0	140.7	136.7	130.6	122.6	113.9
130°	107.2	109.9	116.6	126.6	138.7	143.4	146.0	145.4	140.7	135.3	126.6
132.5°	111.2	113.2	119.9	128.6	140.0	145.4	149.4	152.7	149.4	145.4	139.3
135°	115.2	117.2	122.6	130.6	140.7	146.0	151.4	156.8	157.4	154.1	149.4
137.5°	118.6	119.9	125.3	132.0	140.7	146.0	151.4	158.8	162.8	161.4	157.4
140°	121.9	123.3	127.3	134.0	141.3	146.0	150.7	159.4	164.8	166.8	164.8
142.5°	124.6	125.9	129.3	135.3	141.3	145.4	150.1	158.1	165.5	169.5	170.8
145°	127.3	127.9	131.3	136.0	141.3	144.7	148.7	156.8	164.1	170.1	174.2
147.5°	129.3	130.0	132.0	136.7	141.3	144.0	147.4	154.1	161.4	168.1	174.2
150°	131.3	131.3	133.3	136.7	141.3	143.4	146.0	152.1	158.1	164.8	170.1
152.5°	132.6	132.6	134.6	137.3	140.7	142.7	145.4	150.1	155.4	161.4	166.8
155°	134.0	134.0	135.3	137.3	140.7	142.0	144.0	148.0	152.7	157.4	162.1
157.5°	135.3	135.3	136.0	138.0	140.0	141.3	143.4	146.7	150.1	154.1	158.1
160°	136.0	136.0	136.7	138.0	139.3	140.7	142.0	144.7	148.0	150.7	154.1
162.5°	136.7	136.7	137.3	138.0	139.3	140.0	140.7	143.4	145.4	148.0	150.7
165°	137.3	137.3	137.3	138.0	138.7	139.3	140.0	141.3	143.4	145.4	147.4
167.5°	138.0	138.0	138.0	138.0	138.7	138.7	139.3	140.0	141.3	142.7	144.0
170°	138.7	138.0	138.0	138.7	138.0	138.0	138.7	139.3	139.3	140.7	141.3
172.5°	138.7	138.7	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.7	139.3
175°	138.7	138.7	138.0	138.0	138.0	137.3	137.3	137.3	137.3	137.3	137.3
177.5°	138.7	138.7	138.0	138.0	137.3	137.3	137.3	137.3	137.3	137.3	137.3
180°	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	791.8	791.8	791.8	791.8	791.8	791.8	791.8	791.8	791.8	791.8
2.5°	797.1	793.8	792.5	791.8	791.1	790.4	789.1	787.8	786.4	786.4
5°	793.8	790.4	789.1	788.4	787.8	787.1	786.4	786.4	786.4	786.4
7.5°	788.4	785.1	783.8	783.1	783.1	782.4	782.4	782.4	781.7	782.4
10°	780.4	777.1	776.4	775.7	775.0	773.7	773.7	773.7	773.0	773.7
12.5°	770.4	767.0	766.3	765.7	765.0	764.3	764.3	763.7	763.7	764.3
15°	760.3	755.6	754.3	754.3	753.6	752.9	753.6	752.9	752.9	752.9
17.5°	745.6	743.6	741.5	740.2	739.5	738.9	738.9	738.2	738.2	738.2
20°	726.1	726.1	726.1	722.8	722.1	721.5	721.5	721.5	721.5	721.5
22.5°	707.4	704.0	706.7	704.7	703.4	702.0	702.7	702.7	702.7	702.7
25°	686.6	683.9	684.6	685.3	683.9	681.9	681.9	681.9	681.9	681.3
27.5°	664.5	662.5	661.8	662.5	663.8	662.5	660.5	658.5	659.2	659.2
30°	640.4	639.7	639.1	637.7	639.1	639.7	636.4	635.7	635.7	635.7
32.5°	616.3	615.6	613.6	612.3	612.9	614.3	612.9	611.6	611.6	611.6
35°	592.2	589.5	587.5	586.8	586.8	588.1	587.5	585.5	585.5	585.5
37.5°	564.0	564.7	561.4	560.7	560.7	560.7	562.0	558.7	559.3	558.7
40°	536.6	537.2	535.2	533.2	533.9	532.5	534.6	531.2	531.2	531.2
42.5°	509.1	507.8	508.4	504.4	505.1	505.1	505.8	503.7	503.1	502.4
45°	481.0	479.6	479.0	476.9	476.9	476.3	476.3	473.6	473.6	473.6
47.5°	451.5	450.8	449.5	448.1	448.1	447.5	446.1	445.5	444.8	444.8
50°	423.4	421.3	419.3	420.0	419.3	418.7	417.3	416.7	416.0	415.3
52.5°	393.2	393.2	390.5	390.5	390.5	389.9	388.5	387.2	387.2	386.5
55°	363.7	363.1	361.1	360.4	361.1	360.4	359.1	357.7	357.7	357.0
57.5°	334.3	332.9	332.3	332.3	331.6	331.6	329.6	328.2	328.9	328.2
60°	304.1	304.1	303.5	302.8	302.8	302.1	300.1	300.1	300.1	299.4
62.5°	275.3	275.3	274.0	273.3	274.0	273.3	272.6	272.0	271.3	270.6
65°	245.2	245.8	244.5	245.2	245.2	243.8	243.8	243.2	243.2	242.5
67.5°	217.0	217.0	216.4	216.4	217.0	216.4	216.4	215.7	215.7	215.0
70°	188.2	189.6	188.9	188.9	188.9	188.2	188.2	188.2	187.6	188.2
72.5°	159.4	159.4	159.4	159.4	159.4	160.1	160.1	160.1	160.1	159.4
75°	132.6	133.3	132.6	133.3	134.0	134.0	134.0	134.0	134.6	134.0
77.5°	106.5	107.2	107.2	108.5	108.5	108.5	109.2	109.2	109.2	109.2
80°	81.7	82.4	83.1	84.4	84.4	85.7	86.4	86.4	86.4	86.4
82.5°	58.9	61.0	61.6	63.6	64.3	64.3	65.6	66.3	66.3	66.3
85°	40.9	42.9	44.2	45.6	46.9	46.9	48.2	48.2	48.9	48.9
87.5°	25.5	27.5	28.8	30.8	31.5	32.2	32.8	33.5	34.2	34.2
90°	14.1	15.4	16.7	18.1	18.1	18.8	19.4	20.1	20.8	20.8
92.5°	10.0	10.7	12.1	12.7	12.7	13.4	14.1	14.1	14.7	14.7
95°	11.4	12.1	12.1	12.7	12.7	12.7	13.4	13.4	13.4	13.4
97.5°	17.4	17.4	17.4	16.7	16.7	16.7	16.7	16.7	16.7	16.7
100°	22.8	23.4	23.4	23.4	24.1	24.1	24.1	24.1	23.4	23.4
102.5°	25.5	26.1	26.8	27.5	27.5	27.5	28.1	28.1	28.1	28.1
105°	28.8	28.8	29.5	30.1	30.1	30.1	30.8	30.8	30.8	30.8
107.5°	32.8	32.8	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
110°	37.5	37.5	37.5	36.8	37.5	36.8	36.8	36.8	36.8	36.8



TEST NUMBER: P395828

CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	42.9	42.2	42.2	41.5	41.5	41.5	40.9	40.9	40.9	40.9
115°	51.6	48.2	46.9	45.6	45.6	45.6	44.9	44.9	44.9	44.9
117.5°	62.3	57.6	54.9	52.3	51.6	50.9	49.6	49.6	48.9	48.9
120°	73.7	69.0	65.0	61.6	60.3	59.6	57.6	56.3	54.9	54.9
122.5°	84.4	79.7	75.7	72.3	71.0	69.7	67.7	66.3	65.0	65.0
125°	95.1	90.4	86.4	83.1	81.1	79.7	77.7	76.4	75.0	75.0
127.5°	106.5	100.5	96.5	93.1	91.1	90.4	87.8	86.4	85.1	85.1
130°	119.2	111.9	106.5	102.5	101.2	99.8	97.8	96.5	95.1	95.1
132.5°	132.0	124.6	118.6	113.2	111.2	109.9	107.2	105.8	104.5	104.5
135°	144.0	137.3	131.3	125.9	123.9	121.9	119.2	116.6	115.2	115.2
137.5°	153.4	148.7	143.4	138.7	136.7	134.6	132.0	129.3	127.3	127.9
140°	161.4	157.4	154.1	150.7	148.7	147.4	144.7	142.7	140.7	140.7
142.5°	168.8	165.5	162.1	159.4	158.8	158.1	156.1	154.1	152.7	152.7
145°	175.5	173.5	170.8	167.5	166.8	166.1	164.1	162.8	162.1	162.1
147.5°	177.5	178.2	177.5	175.5	174.8	174.2	172.8	171.5	170.8	170.8
150°	176.2	178.9	180.2	180.2	180.2	180.2	180.2	178.9	178.2	178.2
152.5°	172.2	176.2	178.9	180.9	181.5	182.2	182.2	182.9	182.2	182.2
155°	167.5	171.5	175.5	177.5	178.9	179.5	180.9	181.5	182.2	181.5
157.5°	162.1	165.5	168.1	172.2	173.5	174.8	176.2	177.5	178.2	177.5
160°	157.4	160.1	162.1	164.8	165.5	166.8	168.1	168.8	170.1	169.5
162.5°	152.7	154.7	156.8	158.1	159.4	160.1	161.4	162.1	162.8	162.1
165°	149.4	150.7	151.4	152.7	153.4	154.1	154.7	155.4	155.4	155.4
167.5°	145.4	146.7	147.4	148.0	148.7	149.4	149.4	150.1	150.1	150.1
170°	142.0	142.7	143.4	144.0	144.0	144.7	144.7	144.7	145.4	144.7
172.5°	139.3	139.3	139.3	140.0	140.0	140.0	140.0	140.0	140.0	139.3
175°	138.0	138.0	137.3	137.3	137.3	137.3	137.3	136.7	136.0	135.3
177.5°	137.3	136.7	136.7	136.0	136.0	136.0	135.3	134.6	134.0	133.3
180°	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7	136.7

(END OF REPORT)