

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: P395867

Luminaire Tested: **I3-WL-40L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395867
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-40L92765-1D-UNV-W2A-W-4 (2700K)
Description: CORELITE I3, DOWNLIGHT TRAY
4000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2982.8 lumens
Efficiency: N/A
Efficacy: 81.5 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

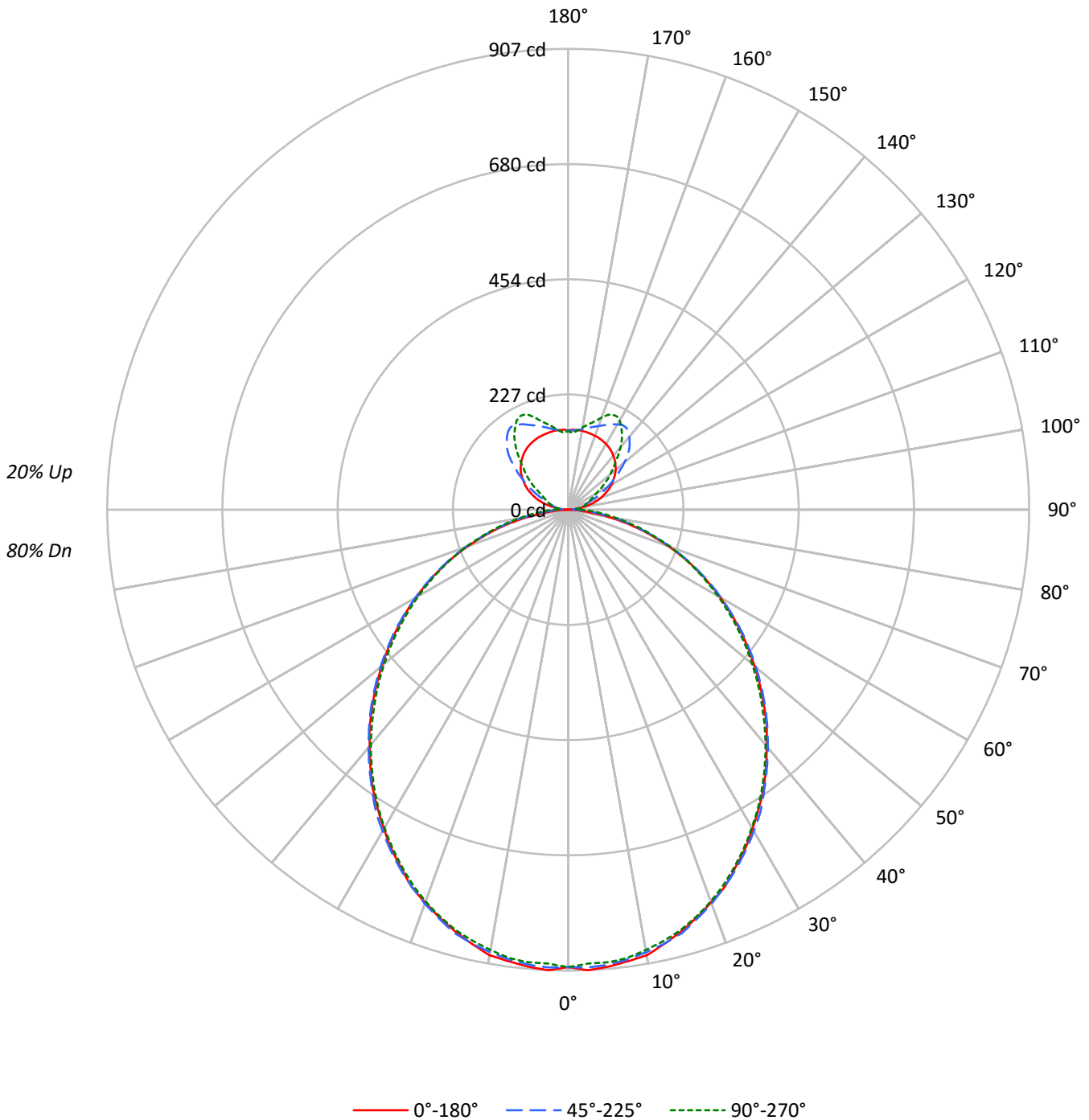
Input Watts (W): 36.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4948	4948	4948
5°	4962	4846	4794
10°	4933	4715	4638
15°	4834	4584	4472
20°	4738	4399	4279
25°	4625	4213	4066
30°	4492	4020	3847
35°	4368	3805	3622
40°	4211	3584	3387
45°	4060	3368	3139
50°	3899	3131	2890
55°	3729	2889	2636
60°	3540	2620	2373
65°	3323	2329	2091
70°	3014	1988	1795
75°	2597	1576	1441
80°	1981	1135	1076
85°	1035	678	729



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CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (2700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.1	2.9
10°-20°	241.3	8.1
20°-30°	357.2	12.0
30°-40°	417.5	14.0
40°-50°	419.4	14.1
50°-60°	368.6	12.4
60°-70°	276.2	9.3
70°-80°	157.1	5.3
80°-90°	49.6	1.7
90°-100°	17.9	0.6
100°-110°	43.6	1.5
110°-120°	72.4	2.4
120°-130°	101.5	3.4
130°-140°	117.0	3.9
140°-150°	111.7	3.7
150°-160°	84.0	2.8
160°-170°	47.6	1.6
170°-180°	15.1	0.5
0°-30°	683.6	22.9
0°-40°	1101.1	36.9
0°-60°	1889.1	63.3
0°-90°	2372.0	79.5
90°-120°	133.8	4.5
90°-150°	464.1	15.6
90°-180°	611.0	20.5
0°-180°	2982.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	900	900	900	900	900	
5°	903	894	899	896	894	86
15°	859	852	863	857	856	242
25°	778	775	781	778	775	358
35°	670	665	673	667	666	418
45°	545	544	548	542	538	420
55°	413	414	416	411	406	369
65°	279	280	281	279	276	275
75°	142	144	148	152	152	150
85°	24	32	43	53	56	32
90°	1	5	14	21	24	2
95°	13	13	13	14	15	14
105°	51	43	33	34	35	53
115°	84	104	64	52	51	83
125°	110	152	115	92	85	99
135°	131	166	170	141	131	101
145°	145	164	198	190	184	91
155°	152	162	184	203	206	70
165°	156	158	168	174	177	44
175°	158	156	156	156	154	15
180°	155	155	155	155	155	



TEST NUMBER: P395867

CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	900.3	900.3	900.3	900.3	900.3	900.3	900.3	900.3	900.3	900.3	900.3
2.5°	907.2	905.7	901.8	898.0	897.3	896.5	896.5	895.8	895.8	897.3	901.8
5°	902.6	901.8	898.0	894.2	893.5	893.5	892.7	892.7	892.7	894.2	898.8
7.5°	896.5	895.0	891.2	887.4	886.6	886.6	886.6	885.9	886.6	887.4	892.7
10°	890.4	889.7	885.9	881.3	879.8	879.8	879.0	877.5	877.5	879.0	884.3
12.5°	875.2	874.4	870.6	867.6	867.6	868.3	868.3	869.1	869.1	870.6	874.4
15°	859.2	858.4	854.6	851.6	851.6	851.6	850.8	850.8	851.6	856.1	863.0
17.5°	841.7	840.9	837.9	834.8	834.8	834.8	834.1	834.1	834.8	837.1	844.0
20°	822.6	821.9	818.8	815.8	815.8	815.8	815.0	815.8	815.8	818.8	824.9
22.5°	804.4	802.8	799.0	796.0	794.4	794.4	794.4	793.7	795.2	797.5	803.6
25°	777.7	776.9	775.4	773.1	774.6	775.4	773.9	772.4	772.4	775.4	780.7
27.5°	753.3	751.8	749.5	747.2	745.7	746.5	747.2	748.7	751.0	751.8	756.4
30°	725.1	724.4	722.1	719.0	719.8	720.6	720.6	720.6	722.1	728.9	730.5
32.5°	697.7	697.0	694.7	691.6	692.4	693.1	692.4	693.1	694.7	697.7	704.6
35°	670.3	668.8	666.5	665.7	665.0	665.0	665.0	665.7	666.5	668.8	672.6
37.5°	639.1	637.5	636.0	633.7	635.3	636.8	637.5	636.8	637.5	640.6	642.1
40°	607.8	607.1	605.5	604.0	604.8	605.5	604.8	607.1	608.6	610.1	610.9
42.5°	578.1	576.6	575.1	574.3	574.3	575.1	575.1	576.6	576.6	580.4	579.7
45°	544.6	543.9	543.1	543.1	543.9	543.9	543.9	544.6	545.4	547.7	548.4
47.5°	511.9	511.1	511.1	511.1	511.1	511.9	512.6	514.9	513.4	514.1	514.9
50°	479.1	478.3	478.3	478.3	479.9	479.9	481.4	482.2	482.9	481.4	482.2
52.5°	445.6	444.8	446.4	446.4	447.9	447.9	450.2	447.9	449.4	448.6	448.6
55°	412.8	412.1	413.6	412.8	414.4	414.4	415.9	416.6	415.9	415.9	415.9
57.5°	379.3	378.6	379.3	380.1	380.8	380.8	383.1	383.1	380.8	382.4	381.6
60°	345.8	345.0	345.8	346.6	347.3	347.3	348.1	346.6	348.1	348.9	348.1
62.5°	312.3	311.5	313.1	312.3	313.1	313.8	313.8	316.1	315.3	315.3	314.6
65°	278.8	278.0	278.0	278.0	278.8	279.5	280.3	281.1	281.1	281.8	281.1
67.5°	244.5	243.7	244.5	243.7	244.5	245.3	246.8	247.6	247.6	248.3	247.6
70°	209.5	210.2	209.5	210.2	211.0	211.8	212.5	214.0	214.0	214.0	214.0
72.5°	175.2	174.4	174.4	173.7	175.2	176.0	176.7	179.0	179.0	179.8	179.8
75°	141.7	140.2	140.9	140.2	143.2	144.0	144.0	146.2	147.0	148.5	147.8
77.5°	108.9	108.9	107.4	109.7	110.4	112.0	113.5	115.0	115.8	118.1	118.1
80°	77.7	77.7	76.9	78.5	81.5	82.3	84.5	85.3	87.6	89.1	89.9
82.5°	49.5	49.5	49.5	51.8	54.1	54.8	57.1	59.4	60.9	63.2	64.0
85°	24.4	25.9	25.9	28.9	30.5	32.0	32.8	35.8	38.1	41.1	43.4
87.5°	7.6	8.4	9.1	10.7	13.7	14.5	16.0	19.0	21.3	24.4	26.7
90°	0.8	0.8	1.5	2.3	3.8	4.6	6.1	7.6	9.9	12.2	13.7
92.5°	5.3	5.3	6.1	6.1	6.1	6.1	6.1	6.9	7.6	9.1	9.9
95°	12.9	20.6	12.2	11.4	12.9	12.9	13.7	12.9	12.9	12.9	12.9
97.5°	21.3	38.1	25.1	17.5	16.8	17.5	17.5	19.0	19.8	20.6	20.6
100°	31.2	48.0	44.2	28.9	23.6	22.9	22.9	22.9	23.6	24.4	25.1
102.5°	41.1	54.8	63.2	44.9	33.5	30.5	28.9	28.2	27.4	28.2	28.2
105°	51.0	61.7	77.7	60.9	48.0	43.4	38.8	33.5	32.8	32.8	32.8
107.5°	60.2	68.6	88.4	79.2	62.5	57.9	52.6	44.2	38.8	38.1	37.3
110°	68.6	75.4	96.0	94.5	78.5	71.6	67.0	57.9	50.3	44.9	42.7



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CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	76.2	82.3	101.3	107.4	96.0	87.6	80.7	71.6	63.2	56.4	51.0
115°	83.8	89.1	105.9	118.1	111.2	104.4	96.7	85.3	76.9	70.1	64.0
117.5°	91.4	96.0	110.4	125.7	124.2	119.6	113.5	99.8	89.9	83.0	76.2
120°	98.3	102.8	115.0	131.0	135.6	131.8	128.0	115.8	103.6	96.0	89.9
122.5°	104.4	108.2	119.6	135.6	144.0	143.2	139.4	131.0	118.8	109.7	102.1
125°	110.4	114.3	124.2	138.6	150.1	152.3	150.8	144.0	134.8	124.2	115.0
127.5°	116.5	119.6	128.7	141.7	154.6	159.2	160.0	155.4	148.5	139.4	129.5
130°	121.9	124.9	132.5	144.0	157.7	163.0	166.0	165.3	160.0	153.9	144.0
132.5°	126.4	128.7	136.3	146.2	159.2	165.3	169.9	173.7	169.9	165.3	158.4
135°	131.0	133.3	139.4	148.5	160.0	166.0	172.1	178.2	179.0	175.2	169.9
137.5°	134.8	136.3	142.4	150.1	160.0	166.0	172.1	180.5	185.1	183.6	179.0
140°	138.6	140.2	144.7	152.3	160.7	166.0	171.4	181.3	187.4	189.7	187.4
142.5°	141.7	143.2	147.0	153.9	160.7	165.3	170.6	179.8	188.1	192.7	194.2
145°	144.7	145.5	149.3	154.6	160.7	164.5	169.1	178.2	186.6	193.5	198.0
147.5°	147.0	147.8	150.1	155.4	160.7	163.8	167.6	175.2	183.6	191.2	198.0
150°	149.3	149.3	151.6	155.4	160.7	163.0	166.0	172.9	179.8	187.4	193.5
152.5°	150.8	150.8	153.1	156.1	160.0	162.2	165.3	170.6	176.7	183.6	189.7
155°	152.3	152.3	153.9	156.1	160.0	161.5	163.8	168.3	173.7	179.0	184.3
157.5°	153.9	153.9	154.6	156.9	159.2	160.7	163.0	166.8	170.6	175.2	179.8
160°	154.6	154.6	155.4	156.9	158.4	160.0	161.5	164.5	168.3	171.4	175.2
162.5°	155.4	155.4	156.1	156.9	158.4	159.2	160.0	163.0	165.3	168.3	171.4
165°	156.1	156.1	156.1	156.9	157.7	158.4	159.2	160.7	163.0	165.3	167.6
167.5°	156.9	156.9	156.9	156.9	157.7	157.7	158.4	159.2	160.7	162.2	163.8
170°	157.7	156.9	156.9	157.7	156.9	156.9	157.7	158.4	158.4	160.0	160.7
172.5°	157.7	157.7	156.9	156.9	156.9	156.9	156.9	156.9	156.9	157.7	158.4
175°	157.7	157.7	156.9	156.9	156.9	156.1	156.1	156.1	156.1	156.1	156.1
177.5°	157.7	157.7	156.9	156.9	156.1	156.1	156.1	156.1	156.1	156.1	156.1
180°	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	900.3	900.3	900.3	900.3	900.3	900.3	900.3	900.3	900.3	900.3
2.5°	906.4	902.6	901.1	900.3	899.6	898.8	897.3	895.8	894.2	894.2
5°	902.6	898.8	897.3	896.5	895.8	895.0	894.2	894.2	894.2	894.2
7.5°	896.5	892.7	891.2	890.4	890.4	889.7	889.7	889.7	888.9	889.7
10°	887.4	883.6	882.8	882.0	881.3	879.8	879.8	879.8	879.0	879.8
12.5°	875.9	872.1	871.4	870.6	869.9	869.1	869.1	868.3	868.3	869.1
15°	864.5	859.2	857.7	857.7	856.9	856.1	856.9	856.1	856.1	856.1
17.5°	847.8	845.5	843.2	841.7	840.9	840.1	840.1	839.4	839.4	839.4
20°	825.7	825.7	825.7	821.9	821.1	820.3	820.3	820.3	820.3	820.3
22.5°	804.4	800.5	803.6	801.3	799.8	798.3	799.0	799.0	799.0	799.0
25°	780.7	777.7	778.5	779.2	777.7	775.4	775.4	775.4	775.4	774.6
27.5°	755.6	753.3	752.6	753.3	754.8	753.3	751.0	748.7	749.5	749.5
30°	728.2	727.4	726.7	725.1	726.7	727.4	723.6	722.8	722.8	722.8
32.5°	700.8	700.0	697.7	696.2	697.0	698.5	697.0	695.4	695.4	695.4
35°	673.3	670.3	668.0	667.2	667.2	668.8	668.0	665.7	665.7	665.7
37.5°	641.3	642.1	638.3	637.5	637.5	637.5	639.1	635.3	636.0	635.3
40°	610.1	610.9	608.6	606.3	607.1	605.5	607.8	604.0	604.0	604.0
42.5°	578.9	577.4	578.1	573.6	574.3	574.3	575.1	572.8	572.0	571.3
45°	546.9	545.4	544.6	542.3	542.3	541.6	541.6	538.5	538.5	538.5
47.5°	513.4	512.6	511.1	509.6	509.6	508.8	507.3	506.5	505.8	505.8
50°	481.4	479.1	476.8	477.6	476.8	476.1	474.5	473.8	473.0	472.3
52.5°	447.1	447.1	444.1	444.1	444.1	443.3	441.8	440.3	440.3	439.5
55°	413.6	412.8	410.6	409.8	410.6	409.8	408.3	406.7	406.7	406.0
57.5°	380.1	378.6	377.8	377.8	377.0	377.0	374.8	373.2	374.0	373.2
60°	345.8	345.8	345.0	344.3	344.3	343.5	341.2	341.2	341.2	340.5
62.5°	313.1	313.1	311.5	310.8	311.5	310.8	310.0	309.2	308.5	307.7
65°	278.8	279.5	278.0	278.8	278.8	277.3	277.3	276.5	276.5	275.7
67.5°	246.8	246.8	246.0	246.0	246.8	246.0	246.0	245.3	245.3	244.5
70°	214.0	215.6	214.8	214.8	214.8	214.0	214.0	214.0	213.3	214.0
72.5°	181.3	181.3	181.3	181.3	181.3	182.0	182.0	182.0	182.0	181.3
75°	150.8	151.6	150.8	151.6	152.3	152.3	152.3	152.3	153.1	152.3
77.5°	121.1	121.9	121.9	123.4	123.4	123.4	124.2	124.2	124.2	124.2
80°	92.9	93.7	94.5	96.0	96.0	97.5	98.3	98.3	98.3	98.3
82.5°	67.0	69.3	70.1	72.4	73.1	73.1	74.6	75.4	75.4	75.4
85°	46.5	48.7	50.3	51.8	53.3	53.3	54.8	54.8	55.6	55.6
87.5°	28.9	31.2	32.8	35.0	35.8	36.6	37.3	38.1	38.8	38.8
90°	16.0	17.5	19.0	20.6	20.6	21.3	22.1	22.9	23.6	23.6
92.5°	11.4	12.2	13.7	14.5	14.5	15.2	16.0	16.0	16.8	16.8
95°	12.9	13.7	13.7	14.5	14.5	14.5	15.2	15.2	15.2	15.2
97.5°	19.8	19.8	19.8	19.0	19.0	19.0	19.0	19.0	19.0	19.0
100°	25.9	26.7	26.7	26.7	27.4	27.4	27.4	27.4	26.7	26.7
102.5°	28.9	29.7	30.5	31.2	31.2	31.2	32.0	32.0	32.0	32.0
105°	32.8	32.8	33.5	34.3	34.3	34.3	35.0	35.0	35.0	35.0
107.5°	37.3	37.3	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
110°	42.7	42.7	42.7	41.9	42.7	41.9	41.9	41.9	41.9	41.9



TEST NUMBER: P395867

CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	48.7	48.0	48.0	47.2	47.2	47.2	46.5	46.5	46.5	46.5
115°	58.7	54.8	53.3	51.8	51.8	51.8	51.0	51.0	51.0	51.0
117.5°	70.8	65.5	62.5	59.4	58.7	57.9	56.4	56.4	55.6	55.6
120°	83.8	78.5	73.9	70.1	68.6	67.8	65.5	64.0	62.5	62.5
122.5°	96.0	90.6	86.1	82.3	80.7	79.2	76.9	75.4	73.9	73.9
125°	108.2	102.8	98.3	94.5	92.2	90.6	88.4	86.8	85.3	85.3
127.5°	121.1	114.3	109.7	105.9	103.6	102.8	99.8	98.3	96.7	96.7
130°	135.6	127.2	121.1	116.5	115.0	113.5	111.2	109.7	108.2	108.2
132.5°	150.1	141.7	134.8	128.7	126.4	124.9	121.9	120.3	118.8	118.8
135°	163.8	156.1	149.3	143.2	140.9	138.6	135.6	132.5	131.0	131.0
137.5°	174.4	169.1	163.0	157.7	155.4	153.1	150.1	147.0	144.7	145.5
140°	183.6	179.0	175.2	171.4	169.1	167.6	164.5	162.2	160.0	160.0
142.5°	191.9	188.1	184.3	181.3	180.5	179.8	177.5	175.2	173.7	173.7
145°	199.6	197.3	194.2	190.4	189.7	188.9	186.6	185.1	184.3	184.3
147.5°	201.8	202.6	201.8	199.6	198.8	198.0	196.5	195.0	194.2	194.2
150°	200.3	203.4	204.9	204.9	204.9	204.9	204.9	203.4	202.6	202.6
152.5°	195.8	200.3	203.4	205.7	206.4	207.2	207.2	207.9	207.2	207.2
155°	190.4	195.0	199.6	201.8	203.4	204.1	205.7	206.4	207.2	206.4
157.5°	184.3	188.1	191.2	195.8	197.3	198.8	200.3	201.8	202.6	201.8
160°	179.0	182.0	184.3	187.4	188.1	189.7	191.2	191.9	193.5	192.7
162.5°	173.7	176.0	178.2	179.8	181.3	182.0	183.6	184.3	185.1	184.3
165°	169.9	171.4	172.1	173.7	174.4	175.2	176.0	176.7	176.7	176.7
167.5°	165.3	166.8	167.6	168.3	169.1	169.9	169.9	170.6	170.6	170.6
170°	161.5	162.2	163.0	163.8	163.8	164.5	164.5	164.5	165.3	164.5
172.5°	158.4	158.4	158.4	159.2	159.2	159.2	159.2	159.2	159.2	158.4
175°	156.9	156.9	156.1	156.1	156.1	156.1	156.1	155.4	154.6	153.9
177.5°	156.1	155.4	155.4	154.6	154.6	154.6	153.9	153.1	152.3	151.6
180°	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4	155.4

(END OF REPORT)