

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: P395868

Luminaire Tested: **I3-WL-40L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395868
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 (3000K)
Description: CORELITE I3, DOWNLIGHT TRAY
4000 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: 3100.7 lumens
Efficiency: N/A
Efficacy: 85.2 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

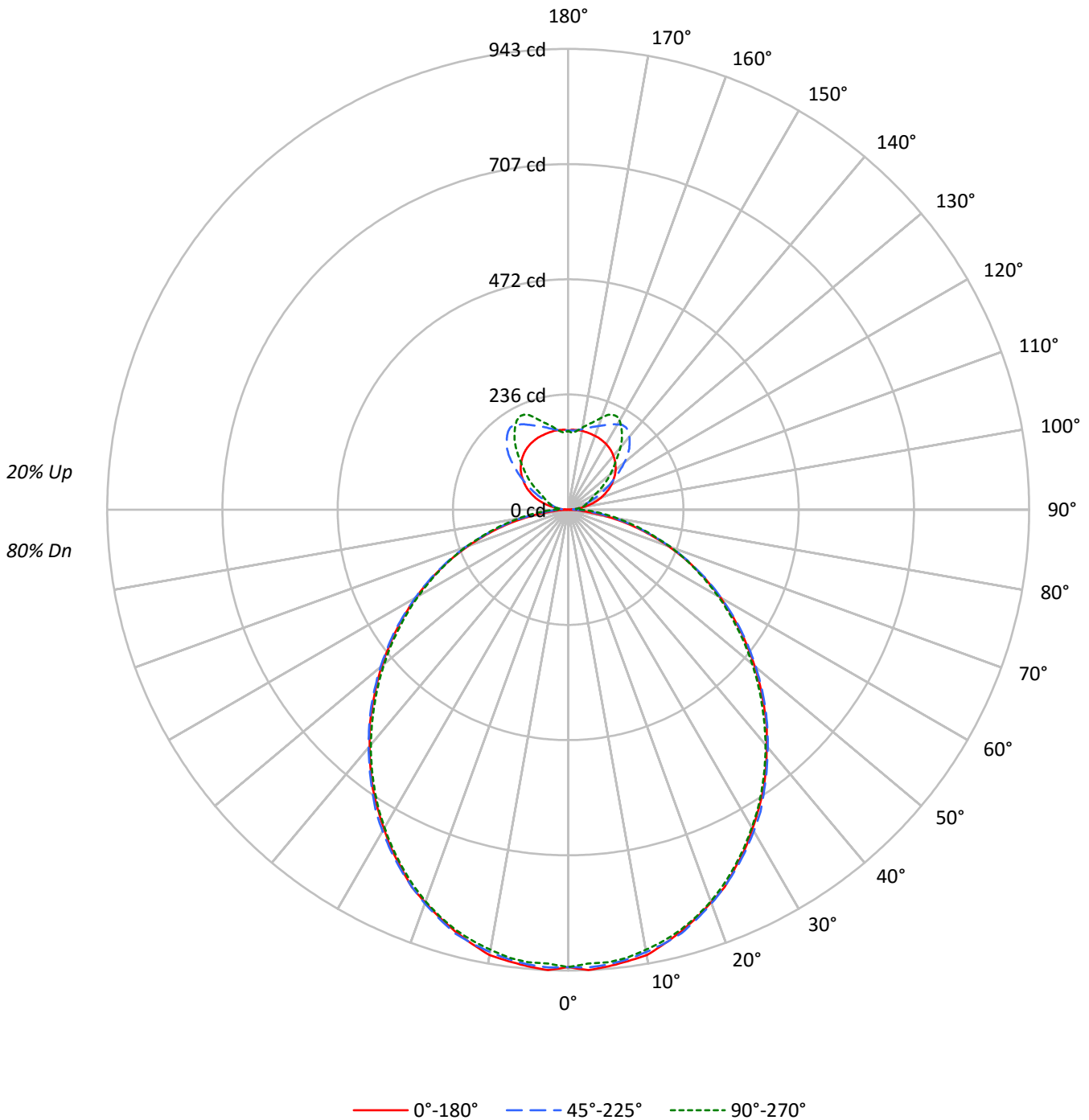
Input Watts (W): 36.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5144	5144	5144
5°	5158	5038	4984
10°	5128	4901	4821
15°	5025	4765	4649
20°	4926	4573	4449
25°	4807	4379	4227
30°	4669	4178	3999
35°	4540	3955	3765
40°	4378	3725	3521
45°	4221	3501	3264
50°	4054	3255	3004
55°	3877	3003	2740
60°	3681	2724	2466
65°	3454	2421	2174
70°	3132	2067	1866
75°	2699	1638	1499
80°	2060	1179	1118
85°	1073	704	758



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CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.4	2.9
10°-20°	250.8	8.1
20°-30°	371.4	12.0
30°-40°	434.0	14.0
40°-50°	436.0	14.1
50°-60°	383.2	12.4
60°-70°	287.1	9.3
70°-80°	163.3	5.3
80°-90°	51.6	1.7
90°-100°	18.6	0.6
100°-110°	45.3	1.5
110°-120°	75.2	2.4
120°-130°	105.5	3.4
130°-140°	121.7	3.9
140°-150°	116.2	3.7
150°-160°	87.4	2.8
160°-170°	49.4	1.6
170°-180°	15.7	0.5
0°-30°	710.6	22.9
0°-40°	1144.7	36.9
0°-60°	1963.8	63.3
0°-90°	2465.8	79.5
90°-120°	139.1	4.5
90°-150°	482.4	15.6
90°-180°	635.0	20.5
0°-180°	3100.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	936	936	936	936	936	
5°	938	929	934	931	930	89
15°	893	885	897	891	890	252
25°	808	806	812	808	805	373
35°	697	691	699	694	692	435
45°	566	565	570	564	560	437
55°	429	431	432	427	422	384
65°	290	291	292	290	287	286
75°	147	150	154	158	158	156
85°	25	33	45	55	58	33
90°	1	5	14	21	24	2
95°	14	14	14	15	16	15
105°	53	45	34	36	36	55
115°	87	108	66	54	53	86
125°	115	158	120	96	89	103
135°	136	173	177	146	136	105
145°	150	171	206	197	192	94
155°	158	168	192	211	215	73
165°	162	165	174	181	184	46
175°	164	162	162	162	160	16
180°	162	162	162	162	162	



TEST NUMBER: P395868

CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	935.9	935.9	935.9	935.9	935.9	935.9	935.9	935.9	935.9	935.9	935.9
2.5°	943.0	941.5	937.5	933.5	932.8	932.0	932.0	931.2	931.2	932.8	937.5
5°	938.3	937.5	933.5	929.6	928.8	928.8	928.0	928.0	928.0	929.6	934.3
7.5°	932.0	930.4	926.4	922.5	921.7	921.7	921.7	920.9	921.7	922.5	928.0
10°	925.6	924.8	920.9	916.1	914.5	914.5	913.8	912.2	912.2	913.8	919.3
12.5°	909.8	909.0	905.0	901.9	901.9	902.7	902.7	903.5	903.5	905.0	909.0
15°	893.2	892.4	888.4	885.2	885.2	885.2	884.5	884.5	885.2	890.0	897.1
17.5°	875.0	874.2	871.0	867.8	867.8	867.8	867.0	867.0	867.8	870.2	877.3
20°	855.2	854.4	851.2	848.0	848.0	848.0	847.2	848.0	848.0	851.2	857.5
22.5°	836.2	834.6	830.6	827.4	825.9	825.9	825.9	825.1	826.7	829.0	835.4
25°	808.4	807.6	806.1	803.7	805.3	806.1	804.5	802.9	802.9	806.1	811.6
27.5°	783.1	781.5	779.1	776.8	775.2	776.0	776.8	778.4	780.7	781.5	786.3
30°	753.8	753.0	750.6	747.5	748.3	749.1	749.1	749.1	750.6	757.8	759.3
32.5°	725.3	724.5	722.1	719.0	719.8	720.6	719.8	720.6	722.1	725.3	732.4
35°	696.8	695.2	692.8	692.0	691.3	691.3	691.3	692.0	692.8	695.2	699.2
37.5°	664.3	662.7	661.2	658.8	660.4	662.0	662.7	662.0	662.7	665.9	667.5
40°	631.9	631.1	629.5	627.9	628.7	629.5	628.7	631.1	632.7	634.2	635.0
42.5°	601.0	599.4	597.8	597.0	597.0	597.8	597.8	599.4	599.4	603.4	602.6
45°	566.1	565.4	564.6	564.6	565.4	565.4	565.4	566.1	566.9	569.3	570.1
47.5°	532.1	531.3	531.3	531.3	531.3	532.1	532.9	535.3	533.7	534.5	535.3
50°	498.1	497.3	497.3	497.3	498.8	498.8	500.4	501.2	502.0	500.4	501.2
52.5°	463.2	462.4	464.0	464.0	465.6	465.6	468.0	465.6	467.2	466.4	466.4
55°	429.2	428.4	430.0	429.2	430.7	430.7	432.3	433.1	432.3	432.3	432.3
57.5°	394.3	393.5	394.3	395.1	395.9	395.9	398.3	398.3	395.9	397.5	396.7
60°	359.5	358.7	359.5	360.3	361.1	361.1	361.9	360.3	361.9	362.7	361.9
62.5°	324.6	323.9	325.4	324.6	325.4	326.2	326.2	328.6	327.8	327.8	327.0
65°	289.8	289.0	289.0	289.0	289.8	290.6	291.4	292.2	292.2	293.0	292.2
67.5°	254.2	253.4	254.2	253.4	254.2	255.0	256.5	257.3	257.3	258.1	257.3
70°	217.7	218.5	217.7	218.5	219.3	220.1	220.9	222.5	222.5	222.5	222.5
72.5°	182.1	181.3	181.3	180.5	182.1	182.9	183.7	186.1	186.1	186.9	186.9
75°	147.3	145.7	146.5	145.7	148.9	149.7	149.7	152.0	152.8	154.4	153.6
77.5°	113.2	113.2	111.6	114.0	114.8	116.4	118.0	119.6	120.4	122.7	122.7
80°	80.8	80.8	80.0	81.6	84.7	85.5	87.9	88.7	91.1	92.6	93.4
82.5°	51.5	51.5	51.5	53.8	56.2	57.0	59.4	61.8	63.3	65.7	66.5
85°	25.3	26.9	26.9	30.1	31.7	33.3	34.0	37.2	39.6	42.8	45.1
87.5°	7.9	8.7	9.5	11.1	14.3	15.0	16.6	19.8	22.2	25.3	27.7
90°	0.8	0.8	1.6	2.4	4.0	4.8	6.3	7.9	10.3	12.7	14.3
92.5°	5.5	5.5	6.3	6.3	6.3	6.3	6.3	7.1	7.9	9.5	10.3
95°	13.5	21.4	12.7	11.9	13.5	13.5	14.3	13.5	13.5	13.5	13.5
97.5°	22.2	39.6	26.1	18.2	17.4	18.2	18.2	19.8	20.6	21.4	21.4
100°	32.5	49.9	45.9	30.1	24.5	23.8	23.8	23.8	24.5	25.3	26.1
102.5°	42.8	57.0	65.7	46.7	34.8	31.7	30.1	29.3	28.5	29.3	29.3
105°	53.1	64.1	80.8	63.3	49.9	45.1	40.4	34.8	34.0	34.0	34.0
107.5°	62.6	71.3	91.9	82.3	64.9	60.2	54.6	45.9	40.4	39.6	38.8
110°	71.3	78.4	99.8	98.2	81.6	74.4	69.7	60.2	52.3	46.7	44.3



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CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	79.2	85.5	105.3	111.6	99.8	91.1	83.9	74.4	65.7	58.6	53.1
115°	87.1	92.6	110.1	122.7	115.6	108.5	100.6	88.7	80.0	72.8	66.5
117.5°	95.0	99.8	114.8	130.6	129.1	124.3	118.0	103.7	93.4	86.3	79.2
120°	102.1	106.9	119.6	136.2	140.9	137.0	133.0	120.4	107.7	99.8	93.4
122.5°	108.5	112.4	124.3	140.9	149.7	148.9	144.9	136.2	123.5	114.0	106.1
125°	114.8	118.8	129.1	144.1	156.0	158.4	156.8	149.7	140.2	129.1	119.6
127.5°	121.1	124.3	133.8	147.3	160.7	165.5	166.3	161.5	154.4	144.9	134.6
130°	126.7	129.9	137.8	149.7	163.9	169.4	172.6	171.8	166.3	159.9	149.7
132.5°	131.4	133.8	141.7	152.0	165.5	171.8	176.6	180.5	176.6	171.8	164.7
135°	136.2	138.6	144.9	154.4	166.3	172.6	178.9	185.3	186.1	182.1	176.6
137.5°	140.2	141.7	148.1	156.0	166.3	172.6	178.9	187.7	192.4	190.8	186.1
140°	144.1	145.7	150.4	158.4	167.1	172.6	178.2	188.5	194.8	197.2	194.8
142.5°	147.3	148.9	152.8	159.9	167.1	171.8	177.4	186.9	195.6	200.3	201.9
145°	150.4	151.2	155.2	160.7	167.1	171.0	175.8	185.3	194.0	201.1	205.9
147.5°	152.8	153.6	156.0	161.5	167.1	170.2	174.2	182.1	190.8	198.7	205.9
150°	155.2	155.2	157.6	161.5	167.1	169.4	172.6	179.7	186.9	194.8	201.1
152.5°	156.8	156.8	159.2	162.3	166.3	168.7	171.8	177.4	183.7	190.8	197.2
155°	158.4	158.4	159.9	162.3	166.3	167.9	170.2	175.0	180.5	186.1	191.6
157.5°	159.9	159.9	160.7	163.1	165.5	167.1	169.4	173.4	177.4	182.1	186.9
160°	160.7	160.7	161.5	163.1	164.7	166.3	167.9	171.0	175.0	178.2	182.1
162.5°	161.5	161.5	162.3	163.1	164.7	165.5	166.3	169.4	171.8	175.0	178.2
165°	162.3	162.3	162.3	163.1	163.9	164.7	165.5	167.1	169.4	171.8	174.2
167.5°	163.1	163.1	163.1	163.1	163.9	163.9	164.7	165.5	167.1	168.7	170.2
170°	163.9	163.1	163.1	163.9	163.1	163.1	163.9	164.7	164.7	166.3	167.1
172.5°	163.9	163.9	163.1	163.1	163.1	163.1	163.1	163.1	163.1	163.9	164.7
175°	163.9	163.9	163.1	163.1	163.1	162.3	162.3	162.3	162.3	162.3	162.3
177.5°	163.9	163.9	163.1	163.1	162.3	162.3	162.3	162.3	162.3	162.3	162.3
180°	161.5	161.5	161.5	161.5	161.5	161.5	161.5	161.5	161.5	161.5	161.5



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	935.9	935.9	935.9	935.9	935.9	935.9	935.9	935.9	935.9	935.9
2.5°	942.3	938.3	936.7	935.9	935.1	934.3	932.8	931.2	929.6	929.6
5°	938.3	934.3	932.8	932.0	931.2	930.4	929.6	929.6	929.6	929.6
7.5°	932.0	928.0	926.4	925.6	925.6	924.8	924.8	924.8	924.0	924.8
10°	922.5	918.5	917.7	916.9	916.1	914.5	914.5	914.5	913.8	914.5
12.5°	910.6	906.6	905.8	905.0	904.3	903.5	903.5	902.7	902.7	903.5
15°	898.7	893.2	891.6	891.6	890.8	890.0	890.8	890.0	890.0	890.0
17.5°	881.3	878.9	876.5	875.0	874.2	873.4	873.4	872.6	872.6	872.6
20°	858.3	858.3	858.3	854.4	853.6	852.8	852.8	852.8	852.8	852.8
22.5°	836.2	832.2	835.4	833.0	831.4	829.8	830.6	830.6	830.6	830.6
25°	811.6	808.4	809.2	810.0	808.4	806.1	806.1	806.1	806.1	805.3
27.5°	785.5	783.1	782.3	783.1	784.7	783.1	780.7	778.4	779.1	779.1
30°	757.0	756.2	755.4	753.8	755.4	756.2	752.2	751.4	751.4	751.4
32.5°	728.5	727.7	725.3	723.7	724.5	726.1	724.5	722.9	722.9	722.9
35°	700.0	696.8	694.4	693.6	693.6	695.2	694.4	692.0	692.0	692.0
37.5°	666.7	667.5	663.5	662.7	662.7	662.7	664.3	660.4	661.2	660.4
40°	634.2	635.0	632.7	630.3	631.1	629.5	631.9	627.9	627.9	627.9
42.5°	601.8	600.2	601.0	596.2	597.0	597.0	597.8	595.4	594.7	593.9
45°	568.5	566.9	566.1	563.8	563.8	563.0	563.0	559.8	559.8	559.8
47.5°	533.7	532.9	531.3	529.7	529.7	528.9	527.3	526.6	525.8	525.8
50°	500.4	498.1	495.7	496.5	495.7	494.9	493.3	492.5	491.7	490.9
52.5°	464.8	464.8	461.6	461.6	461.6	460.8	459.3	457.7	457.7	456.9
55°	430.0	429.2	426.8	426.0	426.8	426.0	424.4	422.8	422.8	422.0
57.5°	395.1	393.5	392.7	392.7	391.9	391.9	389.6	388.0	388.8	388.0
60°	359.5	359.5	358.7	357.9	357.9	357.1	354.7	354.7	354.7	353.9
62.5°	325.4	325.4	323.9	323.1	323.9	323.1	322.3	321.5	320.7	319.9
65°	289.8	290.6	289.0	289.8	289.8	288.2	288.2	287.4	287.4	286.6
67.5°	256.5	256.5	255.8	255.8	256.5	255.8	255.8	255.0	255.0	254.2
70°	222.5	224.1	223.3	223.3	223.3	222.5	222.5	222.5	221.7	222.5
72.5°	188.5	188.5	188.5	188.5	188.5	189.2	189.2	189.2	189.2	188.5
75°	156.8	157.6	156.8	157.6	158.4	158.4	158.4	158.4	159.2	158.4
77.5°	125.9	126.7	126.7	128.3	128.3	128.3	129.1	129.1	129.1	129.1
80°	96.6	97.4	98.2	99.8	99.8	101.4	102.1	102.1	102.1	102.1
82.5°	69.7	72.1	72.8	75.2	76.0	76.0	77.6	78.4	78.4	78.4
85°	48.3	50.7	52.3	53.8	55.4	55.4	57.0	57.0	57.8	57.8
87.5°	30.1	32.5	34.0	36.4	37.2	38.0	38.8	39.6	40.4	40.4
90°	16.6	18.2	19.8	21.4	21.4	22.2	23.0	23.8	24.5	24.5
92.5°	11.9	12.7	14.3	15.0	15.0	15.8	16.6	16.6	17.4	17.4
95°	13.5	14.3	14.3	15.0	15.0	15.0	15.8	15.8	15.8	15.8
97.5°	20.6	20.6	20.6	19.8	19.8	19.8	19.8	19.8	19.8	19.8
100°	26.9	27.7	27.7	27.7	28.5	28.5	28.5	28.5	27.7	27.7
102.5°	30.1	30.9	31.7	32.5	32.5	32.5	33.3	33.3	33.3	33.3
105°	34.0	34.0	34.8	35.6	35.6	35.6	36.4	36.4	36.4	36.4
107.5°	38.8	38.8	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
110°	44.3	44.3	44.3	43.5	44.3	43.5	43.5	43.5	43.5	43.5



TEST NUMBER: P395868

CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	50.7	49.9	49.9	49.1	49.1	49.1	48.3	48.3	48.3	48.3
115°	61.0	57.0	55.4	53.8	53.8	53.8	53.1	53.1	53.1	53.1
117.5°	73.6	68.1	64.9	61.8	61.0	60.2	58.6	58.6	57.8	57.8
120°	87.1	81.6	76.8	72.8	71.3	70.5	68.1	66.5	64.9	64.9
122.5°	99.8	94.2	89.5	85.5	83.9	82.3	80.0	78.4	76.8	76.8
125°	112.4	106.9	102.1	98.2	95.8	94.2	91.9	90.3	88.7	88.7
127.5°	125.9	118.8	114.0	110.1	107.7	106.9	103.7	102.1	100.6	100.6
130°	140.9	132.2	125.9	121.1	119.6	118.0	115.6	114.0	112.4	112.4
132.5°	156.0	147.3	140.2	133.8	131.4	129.9	126.7	125.1	123.5	123.5
135°	170.2	162.3	155.2	148.9	146.5	144.1	140.9	137.8	136.2	136.2
137.5°	181.3	175.8	169.4	163.9	161.5	159.2	156.0	152.8	150.4	151.2
140°	190.8	186.1	182.1	178.2	175.8	174.2	171.0	168.7	166.3	166.3
142.5°	199.5	195.6	191.6	188.5	187.7	186.9	184.5	182.1	180.5	180.5
145°	207.5	205.1	201.9	198.0	197.2	196.4	194.0	192.4	191.6	191.6
147.5°	209.8	210.6	209.8	207.5	206.7	205.9	204.3	202.7	201.9	201.9
150°	208.2	211.4	213.0	213.0	213.0	213.0	213.0	211.4	210.6	210.6
152.5°	203.5	208.2	211.4	213.8	214.6	215.4	215.4	216.2	215.4	215.4
155°	198.0	202.7	207.5	209.8	211.4	212.2	213.8	214.6	215.4	214.6
157.5°	191.6	195.6	198.7	203.5	205.1	206.7	208.2	209.8	210.6	209.8
160°	186.1	189.2	191.6	194.8	195.6	197.2	198.7	199.5	201.1	200.3
162.5°	180.5	182.9	185.3	186.9	188.5	189.2	190.8	191.6	192.4	191.6
165°	176.6	178.2	178.9	180.5	181.3	182.1	182.9	183.7	183.7	183.7
167.5°	171.8	173.4	174.2	175.0	175.8	176.6	176.6	177.4	177.4	177.4
170°	167.9	168.7	169.4	170.2	170.2	171.0	171.0	171.0	171.8	171.0
172.5°	164.7	164.7	164.7	165.5	165.5	165.5	165.5	165.5	165.5	164.7
175°	163.1	163.1	162.3	162.3	162.3	162.3	162.3	161.5	160.7	159.9
177.5°	162.3	161.5	161.5	160.7	160.7	160.7	159.9	159.2	158.4	157.6
180°	161.5	161.5	161.5	161.5	161.5	161.5	161.5	161.5	161.5	161.5

(END OF REPORT)