

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: P395818

Luminaire Tested: **I3-WL-20L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395818
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-20L92765-1D-UNV-W2A-W-4 (4000K)
Description: CORELITE I3, DOWNLIGHT TRAY
2000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1733.7 lumens
Efficiency: N/A
Efficacy: 100.8 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

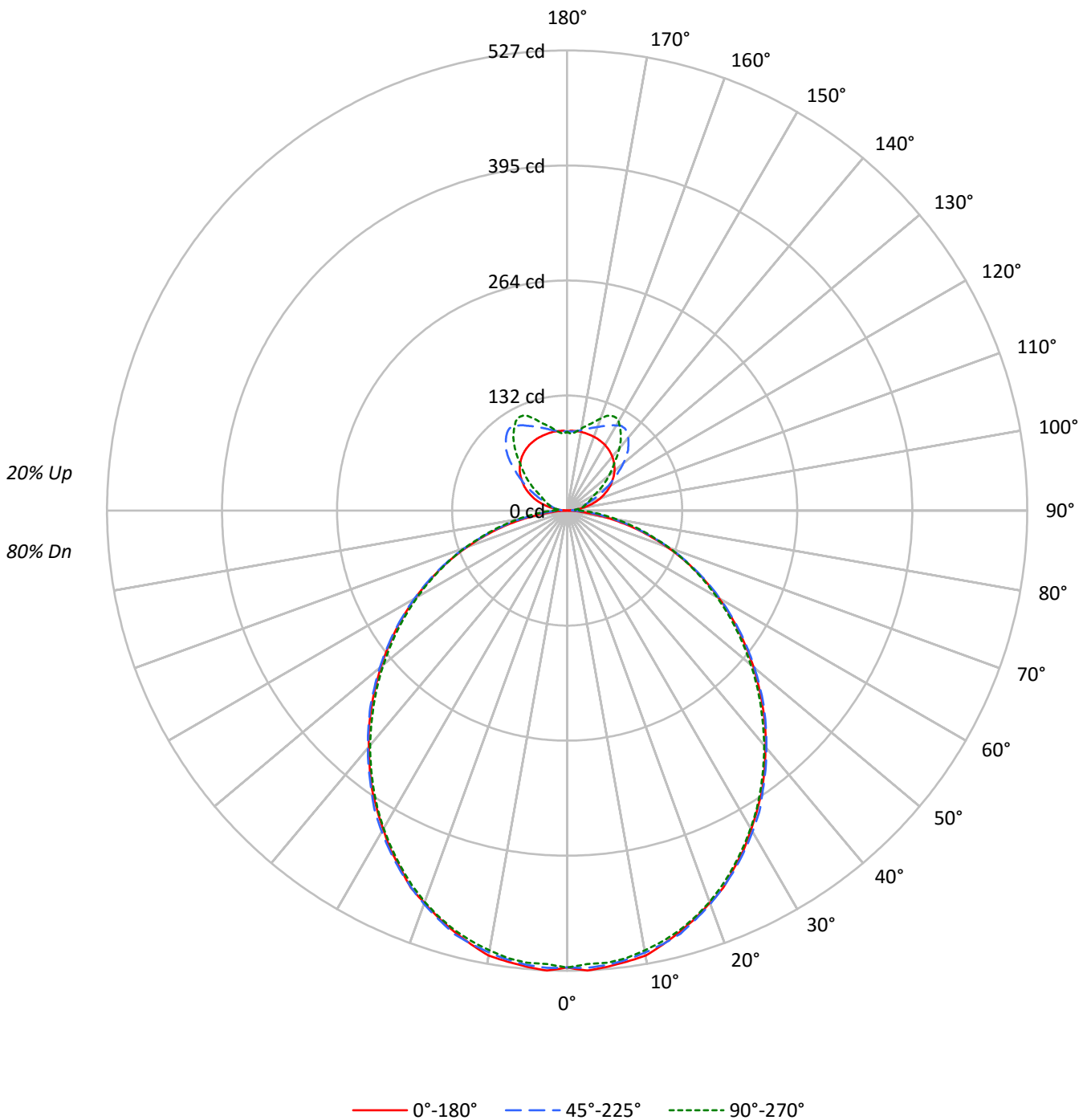
Input Watts (W): 17.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395818

CATALOG NUMBER: I3-WL-20L92765-1D-UNV-W2A-W-4 (4000K)

Luminous Intensity Polar Plot





TEST NUMBER: P395818

CATALOG NUMBER: I3-WL-20L92765-1D-UNV-W2A-W-4 (4000K)

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°	2876	2876	2876
5°	2884	2817	2787
10°	2867	2740	2696
15°	2810	2665	2599
20°	2754	2557	2487
25°	2688	2449	2364
30°	2611	2336	2236
35°	2539	2211	2105
40°	2448	2083	1969
45°	2361	1958	1825
50°	2267	1820	1680
55°	2168	1679	1532
60°	2058	1523	1379
65°	1931	1354	1216
70°	1753	1155	1044
75°	1508	916	838
80°	1153	659	625
85°	602	394	423



TEST NUMBER: P395818

CATALOG NUMBER: I3-WL-20L92765-1D-UNV-W2A-W-4 (4000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.5	2.9
10°-20°	140.2	8.1
20°-30°	207.6	12.0
30°-40°	242.7	14.0
40°-50°	243.8	14.1
50°-60°	214.3	12.4
60°-70°	160.5	9.3
70°-80°	91.3	5.3
80°-90°	28.8	1.7
90°-100°	10.4	0.6
100°-110°	25.3	1.5
110°-120°	42.1	2.4
120°-130°	59.0	3.4
130°-140°	68.0	3.9
140°-150°	64.9	3.7
150°-160°	48.8	2.8
160°-170°	27.6	1.6
170°-180°	8.8	0.5
0°-30°	397.3	22.9
0°-40°	640.0	36.9
0°-60°	1098.0	63.3
0°-90°	1378.7	79.5
90°-120°	77.8	4.5
90°-150°	269.7	15.6
90°-180°	355.0	20.5
0°-180°	1733.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	523	523	523	523	523	
5°	525	519	522	521	520	50
15°	499	495	502	498	498	141
25°	452	451	454	452	450	208
35°	390	386	391	388	387	243
45°	317	316	319	315	313	244
55°	240	241	242	239	236	214
65°	162	162	163	162	160	160
75°	82	84	86	88	88	87
85°	14	19	25	31	32	18
90°	0	3	8	12	14	1
95°	8	8	8	8	9	8
105°	30	25	19	20	20	31
115°	49	61	37	30	30	48
125°	64	88	67	54	50	57
135°	76	96	99	82	76	59
145°	84	96	115	110	107	53
155°	88	94	107	118	120	41
165°	91	92	97	101	103	26
175°	92	91	91	91	89	9
180°	90	90	90	90	90	



TEST NUMBER: P395818

CATALOG NUMBER: I3-WL-20L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	523.3	523.3	523.3	523.3	523.3	523.3	523.3	523.3	523.3	523.3	523.3
2.5°	527.3	526.4	524.2	522.0	521.5	521.1	521.1	520.7	520.7	521.5	524.2
5°	524.6	524.2	522.0	519.8	519.3	519.3	518.9	518.9	518.9	519.8	522.4
7.5°	521.1	520.2	518.0	515.8	515.3	515.3	515.3	514.9	515.3	515.8	518.9
10°	517.6	517.1	514.9	512.2	511.4	511.4	510.9	510.0	510.0	510.9	514.0
12.5°	508.7	508.3	506.0	504.3	504.3	504.7	504.7	505.2	505.2	506.0	508.3
15°	499.4	499.0	496.7	495.0	495.0	495.0	494.5	494.5	495.0	497.6	501.6
17.5°	489.2	488.8	487.0	485.2	485.2	485.2	484.8	484.8	485.2	486.6	490.5
20°	478.2	477.7	475.9	474.2	474.2	474.2	473.7	474.2	474.2	475.9	479.5
22.5°	467.5	466.6	464.4	462.7	461.8	461.8	461.8	461.3	462.2	463.5	467.1
25°	452.0	451.6	450.7	449.4	450.3	450.7	449.8	448.9	448.9	450.7	453.8
27.5°	437.9	437.0	435.6	434.3	433.4	433.9	434.3	435.2	436.5	437.0	439.6
30°	421.5	421.0	419.7	417.9	418.4	418.8	418.8	418.8	419.7	423.7	424.6
32.5°	405.5	405.1	403.8	402.0	402.4	402.9	402.4	402.9	403.8	405.5	409.5
35°	389.6	388.7	387.4	386.9	386.5	386.5	386.5	386.9	387.4	388.7	390.9
37.5°	371.5	370.6	369.7	368.4	369.2	370.1	370.6	370.1	370.6	372.3	373.2
40°	353.3	352.9	352.0	351.1	351.5	352.0	351.5	352.9	353.7	354.6	355.1
42.5°	336.0	335.1	334.3	333.8	333.8	334.3	334.3	335.1	335.1	337.4	336.9
45°	316.6	316.1	315.7	315.7	316.1	316.1	316.1	316.6	317.0	318.3	318.8
47.5°	297.5	297.1	297.1	297.1	297.1	297.5	298.0	299.3	298.4	298.8	299.3
50°	278.5	278.0	278.0	278.0	278.9	278.9	279.8	280.2	280.7	279.8	280.2
52.5°	259.0	258.6	259.4	259.4	260.3	260.3	261.7	260.3	261.2	260.8	260.8
55°	240.0	239.5	240.4	240.0	240.8	240.8	241.7	242.2	241.7	241.7	241.7
57.5°	220.5	220.0	220.5	220.9	221.4	221.4	222.7	222.7	221.4	222.3	221.8
60°	201.0	200.6	201.0	201.4	201.9	201.9	202.3	201.4	202.3	202.8	202.3
62.5°	181.5	181.1	182.0	181.5	182.0	182.4	182.4	183.7	183.3	183.3	182.8
65°	162.0	161.6	161.6	161.6	162.0	162.5	162.9	163.4	163.4	163.8	163.4
67.5°	142.1	141.7	142.1	141.7	142.1	142.6	143.4	143.9	143.9	144.3	143.9
70°	121.8	122.2	121.8	122.2	122.6	123.1	123.5	124.4	124.4	124.4	124.4
72.5°	101.8	101.4	101.4	100.9	101.8	102.3	102.7	104.0	104.0	104.5	104.5
75°	82.3	81.5	81.9	81.5	83.2	83.7	83.7	85.0	85.4	86.3	85.9
77.5°	63.3	63.3	62.4	63.8	64.2	65.1	66.0	66.9	67.3	68.6	68.6
80°	45.2	45.2	44.7	45.6	47.4	47.8	49.1	49.6	50.9	51.8	52.2
82.5°	28.8	28.8	28.8	30.1	31.4	31.9	33.2	34.5	35.4	36.7	37.2
85°	14.2	15.1	15.1	16.8	17.7	18.6	19.0	20.8	22.1	23.9	25.2
87.5°	4.4	4.9	5.3	6.2	8.0	8.4	9.3	11.1	12.4	14.2	15.5
90°	0.4	0.4	0.9	1.3	2.2	2.7	3.5	4.4	5.8	7.1	8.0
92.5°	3.1	3.1	3.5	3.5	3.5	3.5	3.5	4.0	4.4	5.3	5.8
95°	7.5	12.0	7.1	6.6	7.5	7.5	8.0	7.5	7.5	7.5	7.5
97.5°	12.4	22.1	14.6	10.2	9.7	10.2	10.2	11.1	11.5	12.0	12.0
100°	18.2	27.9	25.7	16.8	13.7	13.3	13.3	13.3	13.7	14.2	14.6
102.5°	23.9	31.9	36.7	26.1	19.5	17.7	16.8	16.4	15.9	16.4	16.4
105°	29.7	35.9	45.2	35.4	27.9	25.2	22.6	19.5	19.0	19.0	19.0
107.5°	35.0	39.8	51.4	46.0	36.3	33.6	30.5	25.7	22.6	22.1	21.7
110°	39.8	43.8	55.8	54.9	45.6	41.6	39.0	33.6	29.2	26.1	24.8



TEST NUMBER: P395818

CATALOG NUMBER: I3-WL-20L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	44.3	47.8	58.9	62.4	55.8	50.9	46.9	41.6	36.7	32.8	29.7
115°	48.7	51.8	61.5	68.6	64.6	60.7	56.2	49.6	44.7	40.7	37.2
117.5°	53.1	55.8	64.2	73.1	72.2	69.5	66.0	58.0	52.2	48.3	44.3
120°	57.1	59.8	66.9	76.1	78.8	76.6	74.4	67.3	60.2	55.8	52.2
122.5°	60.7	62.9	69.5	78.8	83.7	83.2	81.0	76.1	69.1	63.8	59.3
125°	64.2	66.4	72.2	80.6	87.2	88.5	87.7	83.7	78.4	72.2	66.9
127.5°	67.7	69.5	74.8	82.3	89.9	92.5	93.0	90.3	86.3	81.0	75.3
130°	70.8	72.6	77.0	83.7	91.6	94.7	96.5	96.1	93.0	89.4	83.7
132.5°	73.5	74.8	79.2	85.0	92.5	96.1	98.7	100.9	98.7	96.1	92.1
135°	76.1	77.5	81.0	86.3	93.0	96.5	100.1	103.6	104.0	101.8	98.7
137.5°	78.4	79.2	82.8	87.2	93.0	96.5	100.1	104.9	107.6	106.7	104.0
140°	80.6	81.5	84.1	88.5	93.4	96.5	99.6	105.4	108.9	110.2	108.9
142.5°	82.3	83.2	85.4	89.4	93.4	96.1	99.2	104.5	109.4	112.0	112.9
145°	84.1	84.6	86.8	89.9	93.4	95.6	98.3	103.6	108.5	112.5	115.1
147.5°	85.4	85.9	87.2	90.3	93.4	95.2	97.4	101.8	106.7	111.1	115.1
150°	86.8	86.8	88.1	90.3	93.4	94.7	96.5	100.5	104.5	108.9	112.5
152.5°	87.7	87.7	89.0	90.8	93.0	94.3	96.1	99.2	102.7	106.7	110.2
155°	88.5	88.5	89.4	90.8	93.0	93.9	95.2	97.8	100.9	104.0	107.1
157.5°	89.4	89.4	89.9	91.2	92.5	93.4	94.7	97.0	99.2	101.8	104.5
160°	89.9	89.9	90.3	91.2	92.1	93.0	93.9	95.6	97.8	99.6	101.8
162.5°	90.3	90.3	90.8	91.2	92.1	92.5	93.0	94.7	96.1	97.8	99.6
165°	90.8	90.8	90.8	91.2	91.6	92.1	92.5	93.4	94.7	96.1	97.4
167.5°	91.2	91.2	91.2	91.2	91.6	91.6	92.1	92.5	93.4	94.3	95.2
170°	91.6	91.2	91.2	91.6	91.2	91.2	91.6	92.1	92.1	93.0	93.4
172.5°	91.6	91.6	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.6	92.1
175°	91.6	91.6	91.2	91.2	91.2	90.8	90.8	90.8	90.8	90.8	90.8
177.5°	91.6	91.6	91.2	91.2	90.8	90.8	90.8	90.8	90.8	90.8	90.8
180°	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3



TEST NUMBER: P395818

CATALOG NUMBER: I3-WL-20L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	523.3	523.3	523.3	523.3	523.3	523.3	523.3	523.3	523.3	523.3
2.5°	526.9	524.6	523.8	523.3	522.9	522.4	521.5	520.7	519.8	519.8
5°	524.6	522.4	521.5	521.1	520.7	520.2	519.8	519.8	519.8	519.8
7.5°	521.1	518.9	518.0	517.6	517.6	517.1	517.1	517.1	516.7	517.1
10°	515.8	513.6	513.1	512.7	512.2	511.4	511.4	511.4	510.9	511.4
12.5°	509.1	506.9	506.5	506.0	505.6	505.2	505.2	504.7	504.7	505.2
15°	502.5	499.4	498.5	498.5	498.1	497.6	498.1	497.6	497.6	497.6
17.5°	492.8	491.4	490.1	489.2	488.8	488.3	488.3	487.9	487.9	487.9
20°	479.9	479.9	479.9	477.7	477.3	476.8	476.8	476.8	476.8	476.8
22.5°	467.5	465.3	467.1	465.8	464.9	464.0	464.4	464.4	464.4	464.4
25°	453.8	452.0	452.5	452.9	452.0	450.7	450.7	450.7	450.7	450.3
27.5°	439.2	437.9	437.4	437.9	438.7	437.9	436.5	435.2	435.6	435.6
30°	423.3	422.8	422.4	421.5	422.4	422.8	420.6	420.2	420.2	420.2
32.5°	407.3	406.9	405.5	404.7	405.1	406.0	405.1	404.2	404.2	404.2
35°	391.4	389.6	388.3	387.8	387.8	388.7	388.3	386.9	386.9	386.9
37.5°	372.8	373.2	371.0	370.6	370.6	370.6	371.5	369.2	369.7	369.2
40°	354.6	355.1	353.7	352.4	352.9	352.0	353.3	351.1	351.1	351.1
42.5°	336.5	335.6	336.0	333.4	333.8	333.8	334.3	332.9	332.5	332.0
45°	317.9	317.0	316.6	315.2	315.2	314.8	314.8	313.0	313.0	313.0
47.5°	298.4	298.0	297.1	296.2	296.2	295.7	294.9	294.4	294.0	294.0
50°	279.8	278.5	277.2	277.6	277.2	276.7	275.8	275.4	274.9	274.5
52.5°	259.9	259.9	258.1	258.1	258.1	257.7	256.8	255.9	255.9	255.5
55°	240.4	240.0	238.6	238.2	238.6	238.2	237.3	236.4	236.4	236.0
57.5°	220.9	220.0	219.6	219.6	219.2	219.2	217.8	216.9	217.4	216.9
60°	201.0	201.0	200.6	200.1	200.1	199.7	198.3	198.3	198.3	197.9
62.5°	182.0	182.0	181.1	180.6	181.1	180.6	180.2	179.7	179.3	178.9
65°	162.0	162.5	161.6	162.0	162.0	161.2	161.2	160.7	160.7	160.3
67.5°	143.4	143.4	143.0	143.0	143.4	143.0	143.0	142.6	142.6	142.1
70°	124.4	125.3	124.9	124.9	124.9	124.4	124.4	124.4	124.0	124.4
72.5°	105.4	105.4	105.4	105.4	105.4	105.8	105.8	105.8	105.8	105.4
75°	87.7	88.1	87.7	88.1	88.5	88.5	88.5	88.5	89.0	88.5
77.5°	70.4	70.8	70.8	71.7	71.7	71.7	72.2	72.2	72.2	72.2
80°	54.0	54.5	54.9	55.8	55.8	56.7	57.1	57.1	57.1	57.1
82.5°	39.0	40.3	40.7	42.1	42.5	42.5	43.4	43.8	43.8	43.8
85°	27.0	28.3	29.2	30.1	31.0	31.0	31.9	31.9	32.3	32.3
87.5°	16.8	18.2	19.0	20.4	20.8	21.3	21.7	22.1	22.6	22.6
90°	9.3	10.2	11.1	12.0	12.0	12.4	12.8	13.3	13.7	13.7
92.5°	6.6	7.1	8.0	8.4	8.4	8.9	9.3	9.3	9.7	9.7
95°	7.5	8.0	8.0	8.4	8.4	8.4	8.9	8.9	8.9	8.9
97.5°	11.5	11.5	11.5	11.1	11.1	11.1	11.1	11.1	11.1	11.1
100°	15.1	15.5	15.5	15.5	15.9	15.9	15.9	15.9	15.5	15.5
102.5°	16.8	17.3	17.7	18.2	18.2	18.2	18.6	18.6	18.6	18.6
105°	19.0	19.0	19.5	19.9	19.9	19.9	20.4	20.4	20.4	20.4
107.5°	21.7	21.7	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
110°	24.8	24.8	24.8	24.4	24.8	24.4	24.4	24.4	24.4	24.4



TEST NUMBER: P395818

CATALOG NUMBER: I3-WL-20L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	28.3	27.9	27.9	27.4	27.4	27.4	27.0	27.0	27.0	27.0
115°	34.1	31.9	31.0	30.1	30.1	30.1	29.7	29.7	29.7	29.7
117.5°	41.2	38.1	36.3	34.5	34.1	33.6	32.8	32.8	32.3	32.3
120°	48.7	45.6	42.9	40.7	39.8	39.4	38.1	37.2	36.3	36.3
122.5°	55.8	52.7	50.0	47.8	46.9	46.0	44.7	43.8	42.9	42.9
125°	62.9	59.8	57.1	54.9	53.6	52.7	51.4	50.5	49.6	49.6
127.5°	70.4	66.4	63.8	61.5	60.2	59.8	58.0	57.1	56.2	56.2
130°	78.8	73.9	70.4	67.7	66.9	66.0	64.6	63.8	62.9	62.9
132.5°	87.2	82.3	78.4	74.8	73.5	72.6	70.8	70.0	69.1	69.1
135°	95.2	90.8	86.8	83.2	81.9	80.6	78.8	77.0	76.1	76.1
137.5°	101.4	98.3	94.7	91.6	90.3	89.0	87.2	85.4	84.1	84.6
140°	106.7	104.0	101.8	99.6	98.3	97.4	95.6	94.3	93.0	93.0
142.5°	111.6	109.4	107.1	105.4	104.9	104.5	103.2	101.8	100.9	100.9
145°	116.0	114.7	112.9	110.7	110.2	109.8	108.5	107.6	107.1	107.1
147.5°	117.3	117.8	117.3	116.0	115.6	115.1	114.2	113.3	112.9	112.9
150°	116.4	118.2	119.1	119.1	119.1	119.1	119.1	118.2	117.8	117.8
152.5°	113.8	116.4	118.2	119.5	120.0	120.4	120.4	120.9	120.4	120.4
155°	110.7	113.3	116.0	117.3	118.2	118.7	119.5	120.0	120.4	120.0
157.5°	107.1	109.4	111.1	113.8	114.7	115.6	116.4	117.3	117.8	117.3
160°	104.0	105.8	107.1	108.9	109.4	110.2	111.1	111.6	112.5	112.0
162.5°	100.9	102.3	103.6	104.5	105.4	105.8	106.7	107.1	107.6	107.1
165°	98.7	99.6	100.1	100.9	101.4	101.8	102.3	102.7	102.7	102.7
167.5°	96.1	97.0	97.4	97.8	98.3	98.7	98.7	99.2	99.2	99.2
170°	93.9	94.3	94.7	95.2	95.2	95.6	95.6	95.6	96.1	95.6
172.5°	92.1	92.1	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.1
175°	91.2	91.2	90.8	90.8	90.8	90.8	90.8	90.3	89.9	89.4
177.5°	90.8	90.3	90.3	89.9	89.9	89.9	89.4	89.0	88.5	88.1
180°	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3

(END OF REPORT)