

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: P395815

Luminaire Tested: **I3-WL-20L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395815
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 (2700K)
Description: CORELITE I3, DOWNLIGHT TRAY
2000 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: 1539.4 lumens
Efficiency: N/A
Efficacy: 90.6 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

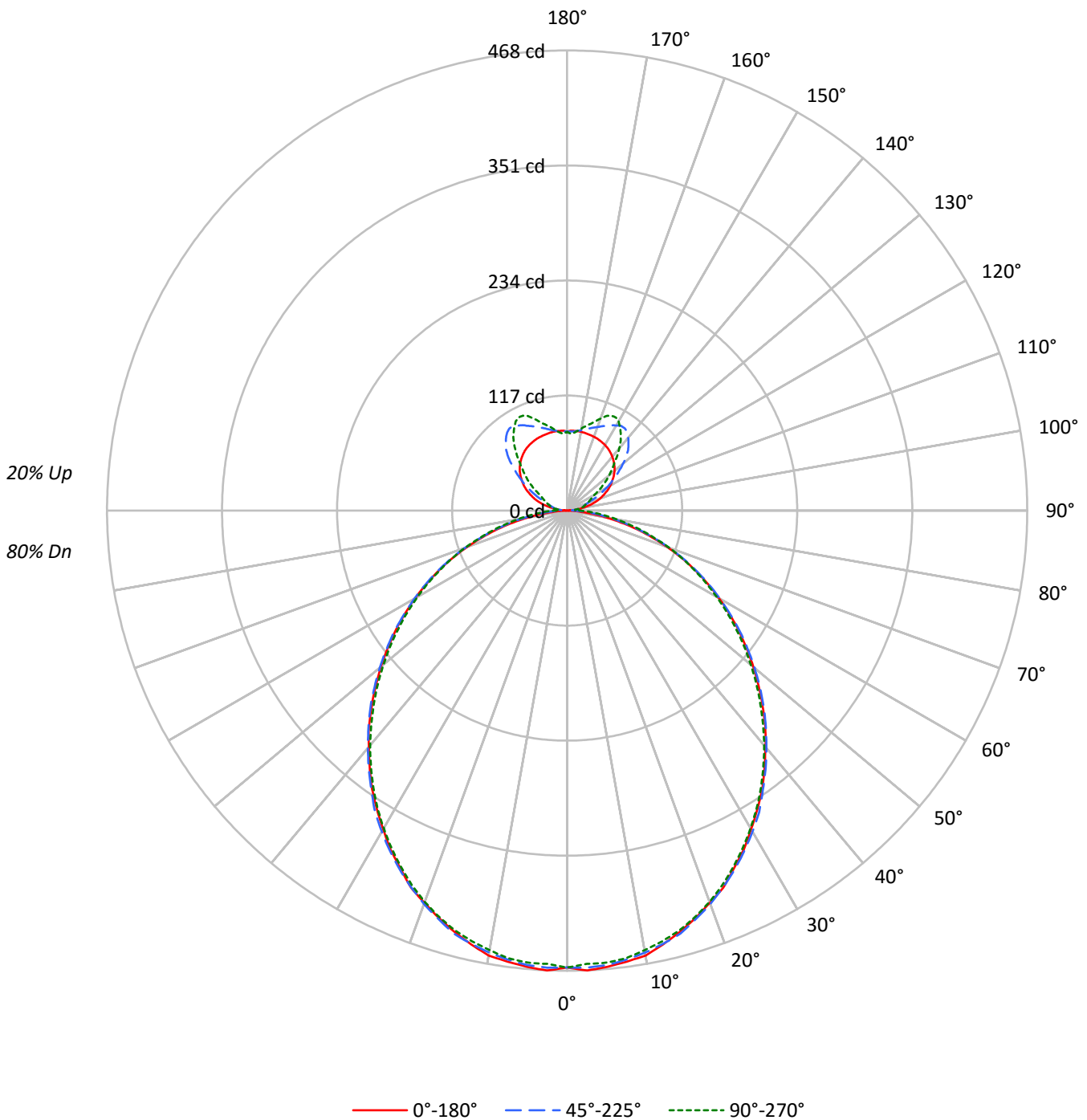
Input Watts (W): 17
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2554	2554	2554
5°	2561	2501	2474
10°	2545	2433	2393
15°	2495	2366	2308
20°	2445	2270	2209
25°	2386	2174	2098
30°	2318	2074	1985
35°	2254	1964	1869
40°	2173	1850	1748
45°	2096	1738	1620
50°	2013	1616	1491
55°	1925	1491	1360
60°	1828	1352	1224
65°	1715	1202	1079
70°	1555	1026	927
75°	1340	813	744
80°	1023	586	555
85°	535	350	376



TEST NUMBER: P395815

CATALOG NUMBER: I3-WL-20L92765-1D-UNV-W2A-W-4 (2700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.9	2.9
10°-20°	124.5	8.1
20°-30°	184.4	12.0
30°-40°	215.5	14.0
40°-50°	216.5	14.1
50°-60°	190.2	12.4
60°-70°	142.6	9.3
70°-80°	81.1	5.3
80°-90°	25.6	1.7
90°-100°	9.2	0.6
100°-110°	22.5	1.5
110°-120°	37.3	2.4
120°-130°	52.4	3.4
130°-140°	60.4	3.9
140°-150°	57.7	3.7
150°-160°	43.4	2.8
160°-170°	24.5	1.6
170°-180°	7.8	0.5
0°-30°	352.8	22.9
0°-40°	568.3	36.9
0°-60°	974.9	63.3
0°-90°	1224.2	79.5
90°-120°	69.1	4.5
90°-150°	239.5	15.6
90°-180°	315.0	20.5
0°-180°	1539.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	465	465	465	465	465	
5°	466	461	464	462	462	44
15°	443	440	445	442	442	125
25°	401	400	403	401	400	185
35°	346	343	347	344	344	216
45°	281	281	283	280	278	217
55°	213	214	215	212	210	190
65°	144	144	145	144	142	142
75°	73	74	76	79	79	77
85°	13	16	22	28	29	16
90°	0	2	7	11	12	1
95°	7	7	7	8	8	7
105°	26	22	17	18	18	28
115°	43	54	33	27	26	43
125°	57	79	59	48	44	51
135°	68	86	88	73	68	52
145°	75	85	102	98	95	47
155°	79	83	95	105	106	36
165°	81	82	86	90	91	23
175°	81	81	81	81	79	8
180°	80	80	80	80	80	



TEST NUMBER: P395815

CATALOG NUMBER: I3-WL-20L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	464.6	464.6	464.6	464.6	464.6	464.6	464.6	464.6	464.6	464.6	464.6
2.5°	468.2	467.4	465.4	463.5	463.1	462.7	462.7	462.3	462.3	463.1	465.4
5°	465.8	465.4	463.5	461.5	461.1	461.1	460.7	460.7	460.7	461.5	463.9
7.5°	462.7	461.9	459.9	458.0	457.6	457.6	457.6	457.2	457.6	458.0	460.7
10°	459.5	459.1	457.2	454.8	454.0	454.0	453.6	452.8	452.8	453.6	456.4
12.5°	451.7	451.3	449.3	447.7	447.7	448.1	448.1	448.5	448.5	449.3	451.3
15°	443.4	443.0	441.1	439.5	439.5	439.5	439.1	439.1	439.5	441.8	445.4
17.5°	434.4	434.0	432.4	430.8	430.8	430.8	430.4	430.4	430.8	432.0	435.5
20°	424.5	424.1	422.6	421.0	421.0	421.0	420.6	421.0	421.0	422.6	425.7
22.5°	415.1	414.3	412.4	410.8	410.0	410.0	410.0	409.6	410.4	411.6	414.7
25°	401.3	401.0	400.2	399.0	399.8	400.2	399.4	398.6	398.6	400.2	402.9
27.5°	388.8	388.0	386.8	385.6	384.8	385.2	385.6	386.4	387.6	388.0	390.3
30°	374.2	373.8	372.7	371.1	371.5	371.9	371.9	371.9	372.7	376.2	377.0
32.5°	360.1	359.7	358.5	356.9	357.3	357.7	357.3	357.7	358.5	360.1	363.6
35°	345.9	345.1	344.0	343.6	343.2	343.2	343.2	343.6	344.0	345.1	347.1
37.5°	329.8	329.0	328.2	327.1	327.8	328.6	329.0	328.6	329.0	330.6	331.4
40°	313.7	313.3	312.5	311.7	312.1	312.5	312.1	313.3	314.1	314.9	315.3
42.5°	298.4	297.6	296.8	296.4	296.4	296.8	296.8	297.6	297.6	299.5	299.1
45°	281.1	280.7	280.3	280.3	280.7	280.7	280.7	281.1	281.5	282.6	283.0
47.5°	264.2	263.8	263.8	263.8	263.8	264.2	264.6	265.7	264.9	265.3	265.7
50°	247.3	246.9	246.9	246.9	247.6	247.6	248.4	248.8	249.2	248.4	248.8
52.5°	230.0	229.6	230.4	230.4	231.1	231.1	232.3	231.1	231.9	231.5	231.5
55°	213.1	212.7	213.4	213.1	213.8	213.8	214.6	215.0	214.6	214.6	214.6
57.5°	195.8	195.4	195.8	196.2	196.5	196.5	197.7	197.7	196.5	197.3	196.9
60°	178.5	178.1	178.5	178.9	179.3	179.3	179.6	178.9	179.6	180.0	179.6
62.5°	161.2	160.8	161.6	161.2	161.6	162.0	162.0	163.1	162.7	162.7	162.3
65°	143.9	143.5	143.5	143.5	143.9	144.3	144.7	145.1	145.1	145.4	145.1
67.5°	126.2	125.8	126.2	125.8	126.2	126.6	127.4	127.8	127.8	128.1	127.8
70°	108.1	108.5	108.1	108.5	108.9	109.3	109.7	110.5	110.5	110.5	110.5
72.5°	90.4	90.0	90.0	89.6	90.4	90.8	91.2	92.4	92.4	92.8	92.8
75°	73.1	72.3	72.7	72.3	73.9	74.3	74.3	75.5	75.9	76.7	76.3
77.5°	56.2	56.2	55.4	56.6	57.0	57.8	58.6	59.4	59.8	60.9	60.9
80°	40.1	40.1	39.7	40.5	42.1	42.5	43.6	44.0	45.2	46.0	46.4
82.5°	25.6	25.6	25.6	26.7	27.9	28.3	29.5	30.7	31.4	32.6	33.0
85°	12.6	13.4	13.4	14.9	15.7	16.5	16.9	18.5	19.7	21.2	22.4
87.5°	3.9	4.3	4.7	5.5	7.1	7.5	8.3	9.8	11.0	12.6	13.8
90°	0.4	0.4	0.8	1.2	2.0	2.4	3.1	3.9	5.1	6.3	7.1
92.5°	2.8	2.8	3.1	3.1	3.1	3.1	3.1	3.5	3.9	4.7	5.1
95°	6.7	10.6	6.3	5.9	6.7	6.7	7.1	6.7	6.7	6.7	6.7
97.5°	11.0	19.7	13.0	9.0	8.6	9.0	9.0	9.8	10.2	10.6	10.6
100°	16.1	24.8	22.8	14.9	12.2	11.8	11.8	11.8	12.2	12.6	13.0
102.5°	21.2	28.3	32.6	23.2	17.3	15.7	14.9	14.5	14.2	14.5	14.5
105°	26.3	31.8	40.1	31.4	24.8	22.4	20.0	17.3	16.9	16.9	16.9
107.5°	31.1	35.4	45.6	40.9	32.2	29.9	27.1	22.8	20.0	19.7	19.3
110°	35.4	38.9	49.5	48.7	40.5	37.0	34.6	29.9	25.9	23.2	22.0



TEST NUMBER: P395815

CATALOG NUMBER: I3-WL-20L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	39.3	42.5	52.3	55.4	49.5	45.2	41.7	37.0	32.6	29.1	26.3
115°	43.2	46.0	54.6	60.9	57.4	53.9	49.9	44.0	39.7	36.2	33.0
117.5°	47.2	49.5	57.0	64.9	64.1	61.7	58.6	51.5	46.4	42.8	39.3
120°	50.7	53.1	59.4	67.6	70.0	68.0	66.0	59.8	53.5	49.5	46.4
122.5°	53.9	55.8	61.7	70.0	74.3	73.9	71.9	67.6	61.3	56.6	52.7
125°	57.0	59.0	64.1	71.5	77.4	78.6	77.8	74.3	69.6	64.1	59.4
127.5°	60.1	61.7	66.4	73.1	79.8	82.2	82.5	80.2	76.7	71.9	66.8
130°	62.9	64.5	68.4	74.3	81.4	84.1	85.7	85.3	82.5	79.4	74.3
132.5°	65.3	66.4	70.4	75.5	82.2	85.3	87.7	89.6	87.7	85.3	81.8
135°	67.6	68.8	71.9	76.7	82.5	85.7	88.8	92.0	92.4	90.4	87.7
137.5°	69.6	70.4	73.5	77.4	82.5	85.7	88.8	93.2	95.5	94.7	92.4
140°	71.5	72.3	74.7	78.6	82.9	85.7	88.4	93.6	96.7	97.9	96.7
142.5°	73.1	73.9	75.9	79.4	82.9	85.3	88.1	92.8	97.1	99.5	100.2
145°	74.7	75.1	77.0	79.8	82.9	84.9	87.3	92.0	96.3	99.8	102.2
147.5°	75.9	76.3	77.4	80.2	82.9	84.5	86.5	90.4	94.7	98.7	102.2
150°	77.0	77.0	78.2	80.2	82.9	84.1	85.7	89.2	92.8	96.7	99.8
152.5°	77.8	77.8	79.0	80.6	82.5	83.7	85.3	88.1	91.2	94.7	97.9
155°	78.6	78.6	79.4	80.6	82.5	83.3	84.5	86.9	89.6	92.4	95.1
157.5°	79.4	79.4	79.8	81.0	82.2	82.9	84.1	86.1	88.1	90.4	92.8
160°	79.8	79.8	80.2	81.0	81.8	82.5	83.3	84.9	86.9	88.4	90.4
162.5°	80.2	80.2	80.6	81.0	81.8	82.2	82.5	84.1	85.3	86.9	88.4
165°	80.6	80.6	80.6	81.0	81.4	81.8	82.2	82.9	84.1	85.3	86.5
167.5°	81.0	81.0	81.0	81.0	81.4	81.4	81.8	82.2	82.9	83.7	84.5
170°	81.4	81.0	81.0	81.4	81.0	81.0	81.4	81.8	81.8	82.5	82.9
172.5°	81.4	81.4	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.4	81.8
175°	81.4	81.4	81.0	81.0	81.0	80.6	80.6	80.6	80.6	80.6	80.6
177.5°	81.4	81.4	81.0	81.0	80.6	80.6	80.6	80.6	80.6	80.6	80.6
180°	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	464.6	464.6	464.6	464.6	464.6	464.6	464.6	464.6	464.6	464.6
2.5°	467.8	465.8	465.0	464.6	464.2	463.9	463.1	462.3	461.5	461.5
5°	465.8	463.9	463.1	462.7	462.3	461.9	461.5	461.5	461.5	461.5
7.5°	462.7	460.7	459.9	459.5	459.5	459.1	459.1	459.1	458.7	459.1
10°	458.0	456.0	455.6	455.2	454.8	454.0	454.0	454.0	453.6	454.0
12.5°	452.1	450.1	449.7	449.3	448.9	448.5	448.5	448.1	448.1	448.5
15°	446.2	443.4	442.6	442.6	442.2	441.8	442.2	441.8	441.8	441.8
17.5°	437.5	436.3	435.2	434.4	434.0	433.6	433.6	433.2	433.2	433.2
20°	426.1	426.1	426.1	424.1	423.8	423.4	423.4	423.4	423.4	423.4
22.5°	415.1	413.1	414.7	413.5	412.7	412.0	412.4	412.4	412.4	412.4
25°	402.9	401.3	401.7	402.1	401.3	400.2	400.2	400.2	400.2	399.8
27.5°	389.9	388.8	388.4	388.8	389.6	388.8	387.6	386.4	386.8	386.8
30°	375.8	375.4	375.0	374.2	375.0	375.4	373.4	373.0	373.0	373.0
32.5°	361.6	361.3	360.1	359.3	359.7	360.5	359.7	358.9	358.9	358.9
35°	347.5	345.9	344.7	344.3	344.3	345.1	344.7	343.6	343.6	343.6
37.5°	331.0	331.4	329.4	329.0	329.0	329.0	329.8	327.8	328.2	327.8
40°	314.9	315.3	314.1	312.9	313.3	312.5	313.7	311.7	311.7	311.7
42.5°	298.8	298.0	298.4	296.0	296.4	296.4	296.8	295.6	295.2	294.8
45°	282.2	281.5	281.1	279.9	279.9	279.5	279.5	277.9	277.9	277.9
47.5°	264.9	264.6	263.8	263.0	263.0	262.6	261.8	261.4	261.0	261.0
50°	248.4	247.3	246.1	246.5	246.1	245.7	244.9	244.5	244.1	243.7
52.5°	230.7	230.7	229.2	229.2	229.2	228.8	228.0	227.2	227.2	226.8
55°	213.4	213.1	211.9	211.5	211.9	211.5	210.7	209.9	209.9	209.5
57.5°	196.2	195.4	195.0	195.0	194.6	194.6	193.4	192.6	193.0	192.6
60°	178.5	178.5	178.1	177.7	177.7	177.3	176.1	176.1	176.1	175.7
62.5°	161.6	161.6	160.8	160.4	160.8	160.4	160.0	159.6	159.2	158.8
65°	143.9	144.3	143.5	143.9	143.9	143.1	143.1	142.7	142.7	142.3
67.5°	127.4	127.4	127.0	127.0	127.4	127.0	127.0	126.6	126.6	126.2
70°	110.5	111.2	110.9	110.9	110.9	110.5	110.5	110.5	110.1	110.5
72.5°	93.6	93.6	93.6	93.6	93.6	93.9	93.9	93.9	93.9	93.6
75°	77.8	78.2	77.8	78.2	78.6	78.6	78.6	78.6	79.0	78.6
77.5°	62.5	62.9	62.9	63.7	63.7	63.7	64.1	64.1	64.1	64.1
80°	48.0	48.4	48.7	49.5	49.5	50.3	50.7	50.7	50.7	50.7
82.5°	34.6	35.8	36.2	37.3	37.7	37.7	38.5	38.9	38.9	38.9
85°	24.0	25.2	25.9	26.7	27.5	27.5	28.3	28.3	28.7	28.7
87.5°	14.9	16.1	16.9	18.1	18.5	18.9	19.3	19.7	20.0	20.0
90°	8.3	9.0	9.8	10.6	10.6	11.0	11.4	11.8	12.2	12.2
92.5°	5.9	6.3	7.1	7.5	7.5	7.9	8.3	8.3	8.6	8.6
95°	6.7	7.1	7.1	7.5	7.5	7.5	7.9	7.9	7.9	7.9
97.5°	10.2	10.2	10.2	9.8	9.8	9.8	9.8	9.8	9.8	9.8
100°	13.4	13.8	13.8	13.8	14.2	14.2	14.2	14.2	13.8	13.8
102.5°	14.9	15.3	15.7	16.1	16.1	16.1	16.5	16.5	16.5	16.5
105°	16.9	16.9	17.3	17.7	17.7	17.7	18.1	18.1	18.1	18.1
107.5°	19.3	19.3	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
110°	22.0	22.0	22.0	21.6	22.0	21.6	21.6	21.6	21.6	21.6



TEST NUMBER: P395815

CATALOG NUMBER: I3-WL-20L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	25.2	24.8	24.8	24.4	24.4	24.4	24.0	24.0	24.0	24.0
115°	30.3	28.3	27.5	26.7	26.7	26.7	26.3	26.3	26.3	26.3
117.5°	36.6	33.8	32.2	30.7	30.3	29.9	29.1	29.1	28.7	28.7
120°	43.2	40.5	38.1	36.2	35.4	35.0	33.8	33.0	32.2	32.2
122.5°	49.5	46.8	44.4	42.5	41.7	40.9	39.7	38.9	38.1	38.1
125°	55.8	53.1	50.7	48.7	47.6	46.8	45.6	44.8	44.0	44.0
127.5°	62.5	59.0	56.6	54.6	53.5	53.1	51.5	50.7	49.9	49.9
130°	70.0	65.6	62.5	60.1	59.4	58.6	57.4	56.6	55.8	55.8
132.5°	77.4	73.1	69.6	66.4	65.3	64.5	62.9	62.1	61.3	61.3
135°	84.5	80.6	77.0	73.9	72.7	71.5	70.0	68.4	67.6	67.6
137.5°	90.0	87.3	84.1	81.4	80.2	79.0	77.4	75.9	74.7	75.1
140°	94.7	92.4	90.4	88.4	87.3	86.5	84.9	83.7	82.5	82.5
142.5°	99.1	97.1	95.1	93.6	93.2	92.8	91.6	90.4	89.6	89.6
145°	103.0	101.8	100.2	98.3	97.9	97.5	96.3	95.5	95.1	95.1
147.5°	104.2	104.6	104.2	103.0	102.6	102.2	101.4	100.6	100.2	100.2
150°	103.4	105.0	105.7	105.7	105.7	105.7	105.7	105.0	104.6	104.6
152.5°	101.0	103.4	105.0	106.1	106.5	106.9	106.9	107.3	106.9	106.9
155°	98.3	100.6	103.0	104.2	105.0	105.3	106.1	106.5	106.9	106.5
157.5°	95.1	97.1	98.7	101.0	101.8	102.6	103.4	104.2	104.6	104.2
160°	92.4	93.9	95.1	96.7	97.1	97.9	98.7	99.1	99.8	99.5
162.5°	89.6	90.8	92.0	92.8	93.6	93.9	94.7	95.1	95.5	95.1
165°	87.7	88.4	88.8	89.6	90.0	90.4	90.8	91.2	91.2	91.2
167.5°	85.3	86.1	86.5	86.9	87.3	87.7	87.7	88.1	88.1	88.1
170°	83.3	83.7	84.1	84.5	84.5	84.9	84.9	84.9	85.3	84.9
172.5°	81.8	81.8	81.8	82.2	82.2	82.2	82.2	82.2	82.2	81.8
175°	81.0	81.0	80.6	80.6	80.6	80.6	80.6	80.2	79.8	79.4
177.5°	80.6	80.2	80.2	79.8	79.8	79.8	79.4	79.0	78.6	78.2
180°	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2

(END OF REPORT)