

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: P395822

Luminaire Tested: **I3-WL-20L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395822
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 (6500K)
Description: CORELITE I3, DOWNLIGHT TRAY
2000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1863.3 lumens
Efficiency: N/A
Efficacy: 104.7 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

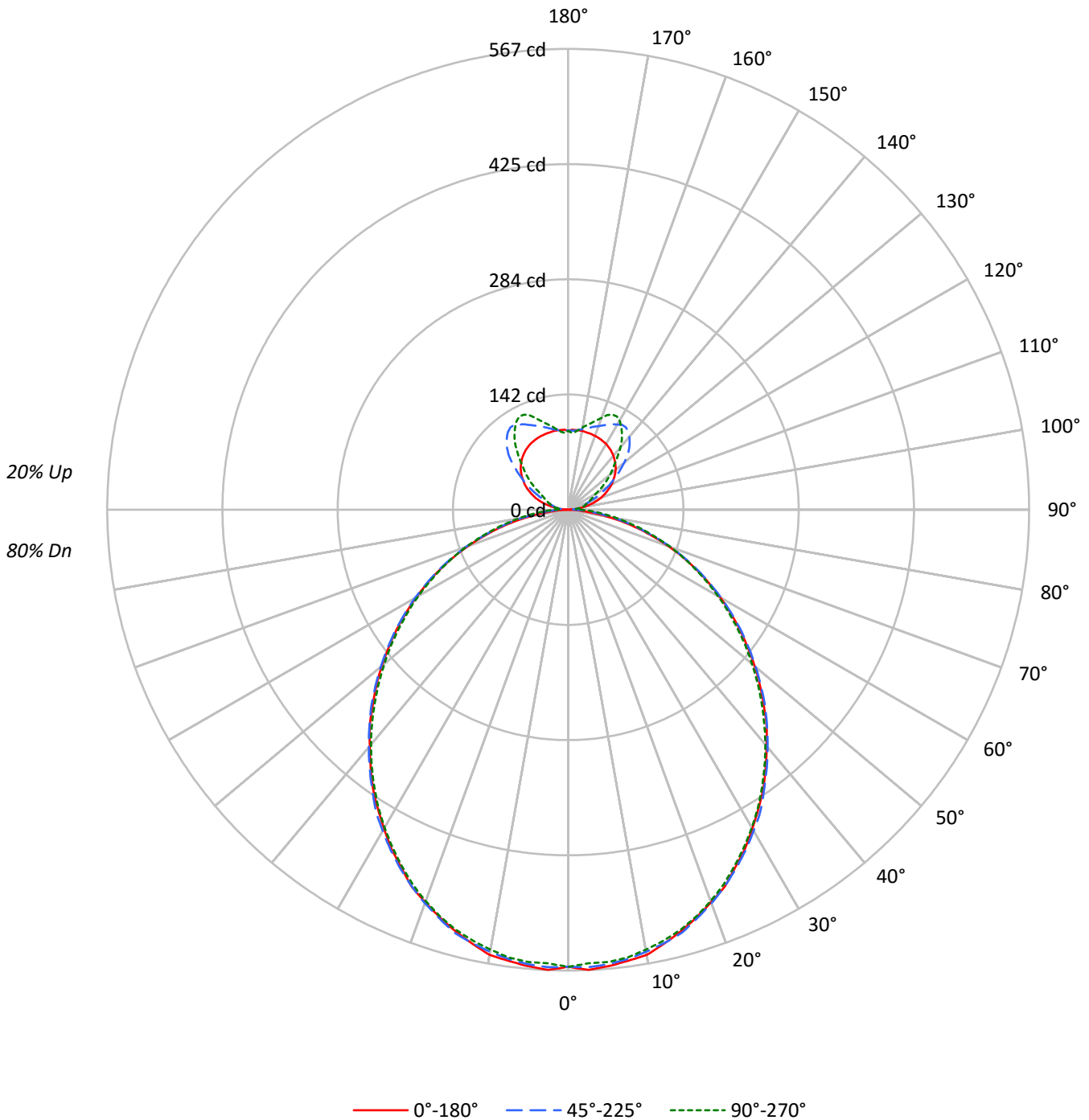
Input Watts (W): 17.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3091	3091	3091
5°	3100	3028	2995
10°	3081	2945	2897
15°	3020	2864	2794
20°	2960	2748	2673
25°	2889	2632	2540
30°	2806	2511	2404
35°	2728	2377	2263
40°	2630	2239	2115
45°	2536	2104	1961
50°	2436	1956	1805
55°	2330	1805	1646
60°	2211	1637	1482
65°	2076	1455	1306
70°	1883	1242	1122
75°	1622	984	901
80°	1237	708	672
85°	645	423	455



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CATALOG NUMBER: I3-WL-20L92765-1D-UNV-W2A-W-4 (6500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.1	2.9
10°-20°	150.7	8.1
20°-30°	223.2	12.0
30°-40°	260.8	14.0
40°-50°	262.0	14.1
50°-60°	230.3	12.4
60°-70°	172.5	9.3
70°-80°	98.1	5.3
80°-90°	31.0	1.7
90°-100°	11.2	0.6
100°-110°	27.2	1.5
110°-120°	45.2	2.4
120°-130°	63.4	3.4
130°-140°	73.1	3.9
140°-150°	69.8	3.7
150°-160°	52.5	2.8
160°-170°	29.7	1.6
170°-180°	9.4	0.5
0°-30°	427.0	22.9
0°-40°	687.9	36.9
0°-60°	1180.1	63.3
0°-90°	1481.8	79.5
90°-120°	83.6	4.5
90°-150°	289.9	15.6
90°-180°	382.0	20.5
0°-180°	1863.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	562	562	562	562	562	
5°	564	558	562	560	559	54
15°	537	532	539	535	535	151
25°	486	484	488	486	484	224
35°	419	415	420	417	416	261
45°	340	340	343	339	336	263
55°	258	259	260	256	254	231
65°	174	175	176	174	172	172
75°	88	90	92	95	95	94
85°	15	20	27	33	35	20
90°	0	3	9	13	15	1
95°	8	8	8	9	10	9
105°	32	27	20	21	22	33
115°	52	65	40	32	32	52
125°	69	95	72	58	53	62
135°	82	104	106	88	82	63
145°	90	103	124	118	115	57
155°	95	101	115	127	129	44
165°	98	99	105	109	110	28
175°	98	98	98	98	96	9
180°	97	97	97	97	97	



TEST NUMBER: P395822

CATALOG NUMBER: I3-WL-20L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	562.4	562.4	562.4	562.4	562.4	562.4	562.4	562.4	562.4	562.4	562.4
2.5°	566.7	565.8	563.4	561.0	560.5	560.0	560.0	559.6	559.6	560.5	563.4
5°	563.9	563.4	561.0	558.6	558.1	558.1	557.7	557.7	557.7	558.6	561.5
7.5°	560.0	559.1	556.7	554.3	553.9	553.9	553.9	553.4	553.9	554.3	557.7
10°	556.2	555.8	553.4	550.5	549.6	549.6	549.1	548.1	548.1	549.1	552.4
12.5°	546.7	546.2	543.9	542.0	542.0	542.4	542.4	542.9	542.9	543.9	546.2
15°	536.7	536.3	533.9	532.0	532.0	532.0	531.5	531.5	532.0	534.8	539.1
17.5°	525.8	525.3	523.4	521.5	521.5	521.5	521.0	521.0	521.5	522.9	527.2
20°	513.9	513.4	511.5	509.6	509.6	509.6	509.1	509.6	509.6	511.5	515.3
22.5°	502.5	501.5	499.1	497.2	496.3	496.3	496.3	495.8	496.8	498.2	502.0
25°	485.8	485.3	484.4	483.0	483.9	484.4	483.4	482.5	482.5	484.4	487.7
27.5°	470.6	469.6	468.2	466.8	465.8	466.3	466.8	467.7	469.2	469.6	472.5
30°	453.0	452.5	451.1	449.2	449.7	450.1	450.1	450.1	451.1	455.4	456.3
32.5°	435.9	435.4	434.0	432.0	432.5	433.0	432.5	433.0	434.0	435.9	440.1
35°	418.7	417.8	416.3	415.9	415.4	415.4	415.4	415.9	416.3	417.8	420.2
37.5°	399.2	398.3	397.3	395.9	396.8	397.8	398.3	397.8	398.3	400.2	401.1
40°	379.7	379.2	378.3	377.3	377.8	378.3	377.8	379.2	380.2	381.1	381.6
42.5°	361.2	360.2	359.2	358.8	358.8	359.2	359.2	360.2	360.2	362.6	362.1
45°	340.2	339.7	339.3	339.3	339.7	339.7	339.7	340.2	340.7	342.1	342.6
47.5°	319.8	319.3	319.3	319.3	319.3	319.8	320.2	321.7	320.7	321.2	321.7
50°	299.3	298.8	298.8	298.8	299.8	299.8	300.7	301.2	301.7	300.7	301.2
52.5°	278.4	277.9	278.8	278.8	279.8	279.8	281.2	279.8	280.7	280.3	280.3
55°	257.9	257.4	258.4	257.9	258.8	258.8	259.8	260.3	259.8	259.8	259.8
57.5°	237.0	236.5	237.0	237.4	237.9	237.9	239.3	239.3	237.9	238.9	238.4
60°	216.0	215.5	216.0	216.5	217.0	217.0	217.5	216.5	217.5	217.9	217.5
62.5°	195.1	194.6	195.6	195.1	195.6	196.0	196.0	197.5	197.0	197.0	196.5
65°	174.2	173.7	173.7	173.7	174.2	174.6	175.1	175.6	175.6	176.1	175.6
67.5°	152.7	152.3	152.7	152.3	152.7	153.2	154.2	154.6	154.6	155.1	154.6
70°	130.9	131.3	130.9	131.3	131.8	132.3	132.8	133.7	133.7	133.7	133.7
72.5°	109.4	109.0	109.0	108.5	109.4	109.9	110.4	111.8	111.8	112.3	112.3
75°	88.5	87.6	88.0	87.6	89.5	89.9	89.9	91.4	91.8	92.8	92.3
77.5°	68.0	68.0	67.1	68.5	69.0	69.9	70.9	71.8	72.3	73.8	73.8
80°	48.5	48.5	48.1	49.0	50.9	51.4	52.8	53.3	54.7	55.7	56.1
82.5°	30.9	30.9	30.9	32.4	33.8	34.3	35.7	37.1	38.1	39.5	40.0
85°	15.2	16.2	16.2	18.1	19.0	20.0	20.5	22.4	23.8	25.7	27.1
87.5°	4.8	5.2	5.7	6.7	8.6	9.0	10.0	11.9	13.3	15.2	16.7
90°	0.5	0.5	1.0	1.4	2.4	2.9	3.8	4.8	6.2	7.6	8.6
92.5°	3.3	3.3	3.8	3.8	3.8	3.8	3.8	4.3	4.8	5.7	6.2
95°	8.1	12.8	7.6	7.1	8.1	8.1	8.6	8.1	8.1	8.1	8.1
97.5°	13.3	23.8	15.7	10.9	10.5	10.9	10.9	11.9	12.4	12.8	12.8
100°	19.5	30.0	27.6	18.1	14.8	14.3	14.3	14.3	14.8	15.2	15.7
102.5°	25.7	34.3	39.5	28.1	20.9	19.0	18.1	17.6	17.1	17.6	17.6
105°	31.9	38.5	48.5	38.1	30.0	27.1	24.3	20.9	20.5	20.5	20.5
107.5°	37.6	42.8	55.2	49.5	39.0	36.2	32.8	27.6	24.3	23.8	23.3
110°	42.8	47.1	60.0	59.0	49.0	44.7	41.9	36.2	31.4	28.1	26.6



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CATALOG NUMBER: I3-WL-20L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	47.6	51.4	63.3	67.1	60.0	54.7	50.4	44.7	39.5	35.2	31.9
115°	52.3	55.7	66.1	73.8	69.5	65.2	60.4	53.3	48.1	43.8	40.0
117.5°	57.1	60.0	69.0	78.5	77.6	74.7	70.9	62.3	56.1	51.9	47.6
120°	61.4	64.2	71.8	81.8	84.7	82.3	79.9	72.3	64.7	60.0	56.1
122.5°	65.2	67.6	74.7	84.7	89.9	89.5	87.1	81.8	74.2	68.5	63.8
125°	69.0	71.4	77.6	86.6	93.7	95.2	94.2	89.9	84.2	77.6	71.8
127.5°	72.8	74.7	80.4	88.5	96.6	99.4	99.9	97.1	92.8	87.1	80.9
130°	76.1	78.0	82.8	89.9	98.5	101.8	103.7	103.3	99.9	96.1	89.9
132.5°	79.0	80.4	85.2	91.4	99.4	103.3	106.1	108.5	106.1	103.3	99.0
135°	81.8	83.3	87.1	92.8	99.9	103.7	107.5	111.3	111.8	109.4	106.1
137.5°	84.2	85.2	89.0	93.7	99.9	103.7	107.5	112.8	115.6	114.7	111.8
140°	86.6	87.6	90.4	95.2	100.4	103.7	107.1	113.2	117.1	118.5	117.1
142.5°	88.5	89.5	91.8	96.1	100.4	103.3	106.6	112.3	117.5	120.4	121.3
145°	90.4	90.9	93.3	96.6	100.4	102.8	105.6	111.3	116.6	120.9	123.7
147.5°	91.8	92.3	93.7	97.1	100.4	102.3	104.7	109.4	114.7	119.4	123.7
150°	93.3	93.3	94.7	97.1	100.4	101.8	103.7	108.0	112.3	117.1	120.9
152.5°	94.2	94.2	95.6	97.5	99.9	101.4	103.3	106.6	110.4	114.7	118.5
155°	95.2	95.2	96.1	97.5	99.9	100.9	102.3	105.2	108.5	111.8	115.1
157.5°	96.1	96.1	96.6	98.0	99.4	100.4	101.8	104.2	106.6	109.4	112.3
160°	96.6	96.6	97.1	98.0	99.0	99.9	100.9	102.8	105.2	107.1	109.4
162.5°	97.1	97.1	97.5	98.0	99.0	99.4	99.9	101.8	103.3	105.2	107.1
165°	97.5	97.5	97.5	98.0	98.5	99.0	99.4	100.4	101.8	103.3	104.7
167.5°	98.0	98.0	98.0	98.0	98.5	98.5	99.0	99.4	100.4	101.4	102.3
170°	98.5	98.0	98.0	98.5	98.0	98.0	98.5	99.0	99.0	99.9	100.4
172.5°	98.5	98.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.5	99.0
175°	98.5	98.5	98.0	98.0	98.0	97.5	97.5	97.5	97.5	97.5	97.5
177.5°	98.5	98.5	98.0	98.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5
180°	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	562.4	562.4	562.4	562.4	562.4	562.4	562.4	562.4	562.4	562.4
2.5°	566.2	563.9	562.9	562.4	561.9	561.5	560.5	559.6	558.6	558.6
5°	563.9	561.5	560.5	560.0	559.6	559.1	558.6	558.6	558.6	558.6
7.5°	560.0	557.7	556.7	556.2	556.2	555.8	555.8	555.8	555.3	555.8
10°	554.3	552.0	551.5	551.0	550.5	549.6	549.6	549.6	549.1	549.6
12.5°	547.2	544.8	544.3	543.9	543.4	542.9	542.9	542.4	542.4	542.9
15°	540.1	536.7	535.8	535.8	535.3	534.8	535.3	534.8	534.8	534.8
17.5°	529.6	528.2	526.7	525.8	525.3	524.8	524.8	524.4	524.4	524.4
20°	515.8	515.8	515.8	513.4	512.9	512.5	512.5	512.5	512.5	512.5
22.5°	502.5	500.1	502.0	500.6	499.6	498.7	499.1	499.1	499.1	499.1
25°	487.7	485.8	486.3	486.8	485.8	484.4	484.4	484.4	484.4	483.9
27.5°	472.0	470.6	470.1	470.6	471.5	470.6	469.2	467.7	468.2	468.2
30°	454.9	454.4	453.9	453.0	453.9	454.4	452.0	451.6	451.6	451.6
32.5°	437.8	437.3	435.9	434.9	435.4	436.3	435.4	434.4	434.4	434.4
35°	420.6	418.7	417.3	416.8	416.8	417.8	417.3	415.9	415.9	415.9
37.5°	400.6	401.1	398.7	398.3	398.3	398.3	399.2	396.8	397.3	396.8
40°	381.1	381.6	380.2	378.8	379.2	378.3	379.7	377.3	377.3	377.3
42.5°	361.6	360.7	361.2	358.3	358.8	358.8	359.2	357.8	357.3	356.9
45°	341.6	340.7	340.2	338.8	338.8	338.3	338.3	336.4	336.4	336.4
47.5°	320.7	320.2	319.3	318.3	318.3	317.9	316.9	316.4	315.9	315.9
50°	300.7	299.3	297.9	298.3	297.9	297.4	296.4	296.0	295.5	295.0
52.5°	279.3	279.3	277.4	277.4	277.4	276.9	276.0	275.0	275.0	274.6
55°	258.4	257.9	256.5	256.0	256.5	256.0	255.0	254.1	254.1	253.6
57.5°	237.4	236.5	236.0	236.0	235.5	235.5	234.1	233.2	233.6	233.2
60°	216.0	216.0	215.5	215.1	215.1	214.6	213.2	213.2	213.2	212.7
62.5°	195.6	195.6	194.6	194.1	194.6	194.1	193.7	193.2	192.7	192.2
65°	174.2	174.6	173.7	174.2	174.2	173.2	173.2	172.7	172.7	172.2
67.5°	154.2	154.2	153.7	153.7	154.2	153.7	153.7	153.2	153.2	152.7
70°	133.7	134.7	134.2	134.2	134.2	133.7	133.7	133.7	133.2	133.7
72.5°	113.2	113.2	113.2	113.2	113.2	113.7	113.7	113.7	113.7	113.2
75°	94.2	94.7	94.2	94.7	95.2	95.2	95.2	95.2	95.6	95.2
77.5°	75.7	76.1	76.1	77.1	77.1	77.1	77.6	77.6	77.6	77.6
80°	58.1	58.5	59.0	60.0	60.0	60.9	61.4	61.4	61.4	61.4
82.5°	41.9	43.3	43.8	45.2	45.7	45.7	46.6	47.1	47.1	47.1
85°	29.0	30.5	31.4	32.4	33.3	33.3	34.3	34.3	34.7	34.7
87.5°	18.1	19.5	20.5	21.9	22.4	22.8	23.3	23.8	24.3	24.3
90°	10.0	10.9	11.9	12.8	12.8	13.3	13.8	14.3	14.8	14.8
92.5°	7.1	7.6	8.6	9.0	9.0	9.5	10.0	10.0	10.5	10.5
95°	8.1	8.6	8.6	9.0	9.0	9.0	9.5	9.5	9.5	9.5
97.5°	12.4	12.4	12.4	11.9	11.9	11.9	11.9	11.9	11.9	11.9
100°	16.2	16.7	16.7	16.7	17.1	17.1	17.1	17.1	16.7	16.7
102.5°	18.1	18.6	19.0	19.5	19.5	19.5	20.0	20.0	20.0	20.0
105°	20.5	20.5	20.9	21.4	21.4	21.4	21.9	21.9	21.9	21.9
107.5°	23.3	23.3	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
110°	26.6	26.6	26.6	26.2	26.6	26.2	26.2	26.2	26.2	26.2



TEST NUMBER: P395822

CATALOG NUMBER: I3-WL-20L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	30.5	30.0	30.0	29.5	29.5	29.5	29.0	29.0	29.0	29.0
115°	36.6	34.3	33.3	32.4	32.4	32.4	31.9	31.9	31.9	31.9
117.5°	44.3	40.9	39.0	37.1	36.6	36.2	35.2	35.2	34.7	34.7
120°	52.3	49.0	46.2	43.8	42.8	42.3	40.9	40.0	39.0	39.0
122.5°	60.0	56.6	53.8	51.4	50.4	49.5	48.1	47.1	46.2	46.2
125°	67.6	64.2	61.4	59.0	57.6	56.6	55.2	54.2	53.3	53.3
127.5°	75.7	71.4	68.5	66.1	64.7	64.2	62.3	61.4	60.4	60.4
130°	84.7	79.5	75.7	72.8	71.8	70.9	69.5	68.5	67.6	67.6
132.5°	93.7	88.5	84.2	80.4	79.0	78.0	76.1	75.2	74.2	74.2
135°	102.3	97.5	93.3	89.5	88.0	86.6	84.7	82.8	81.8	81.8
137.5°	109.0	105.6	101.8	98.5	97.1	95.6	93.7	91.8	90.4	90.9
140°	114.7	111.8	109.4	107.1	105.6	104.7	102.8	101.4	99.9	99.9
142.5°	119.9	117.5	115.1	113.2	112.8	112.3	110.9	109.4	108.5	108.5
145°	124.7	123.2	121.3	119.0	118.5	118.0	116.6	115.6	115.1	115.1
147.5°	126.1	126.6	126.1	124.7	124.2	123.7	122.8	121.8	121.3	121.3
150°	125.1	127.0	128.0	128.0	128.0	128.0	128.0	127.0	126.6	126.6
152.5°	122.3	125.1	127.0	128.5	128.9	129.4	129.4	129.9	129.4	129.4
155°	119.0	121.8	124.7	126.1	127.0	127.5	128.5	128.9	129.4	128.9
157.5°	115.1	117.5	119.4	122.3	123.2	124.2	125.1	126.1	126.6	126.1
160°	111.8	113.7	115.1	117.1	117.5	118.5	119.4	119.9	120.9	120.4
162.5°	108.5	109.9	111.3	112.3	113.2	113.7	114.7	115.1	115.6	115.1
165°	106.1	107.1	107.5	108.5	109.0	109.4	109.9	110.4	110.4	110.4
167.5°	103.3	104.2	104.7	105.2	105.6	106.1	106.1	106.6	106.6	106.6
170°	100.9	101.4	101.8	102.3	102.3	102.8	102.8	102.8	103.3	102.8
172.5°	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.0
175°	98.0	98.0	97.5	97.5	97.5	97.5	97.5	97.1	96.6	96.1
177.5°	97.5	97.1	97.1	96.6	96.6	96.6	96.1	95.6	95.2	94.7
180°	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

(END OF REPORT)