

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: P395843

Luminaire Tested: **I3-WL-30L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395843
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-30L92765-1D-UNV-W2A-W-4 (3500K)
Description: CORELITE I3, DOWNLIGHT TRAY
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2446.0 lumens
Efficiency: N/A
Efficacy: 94.4 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

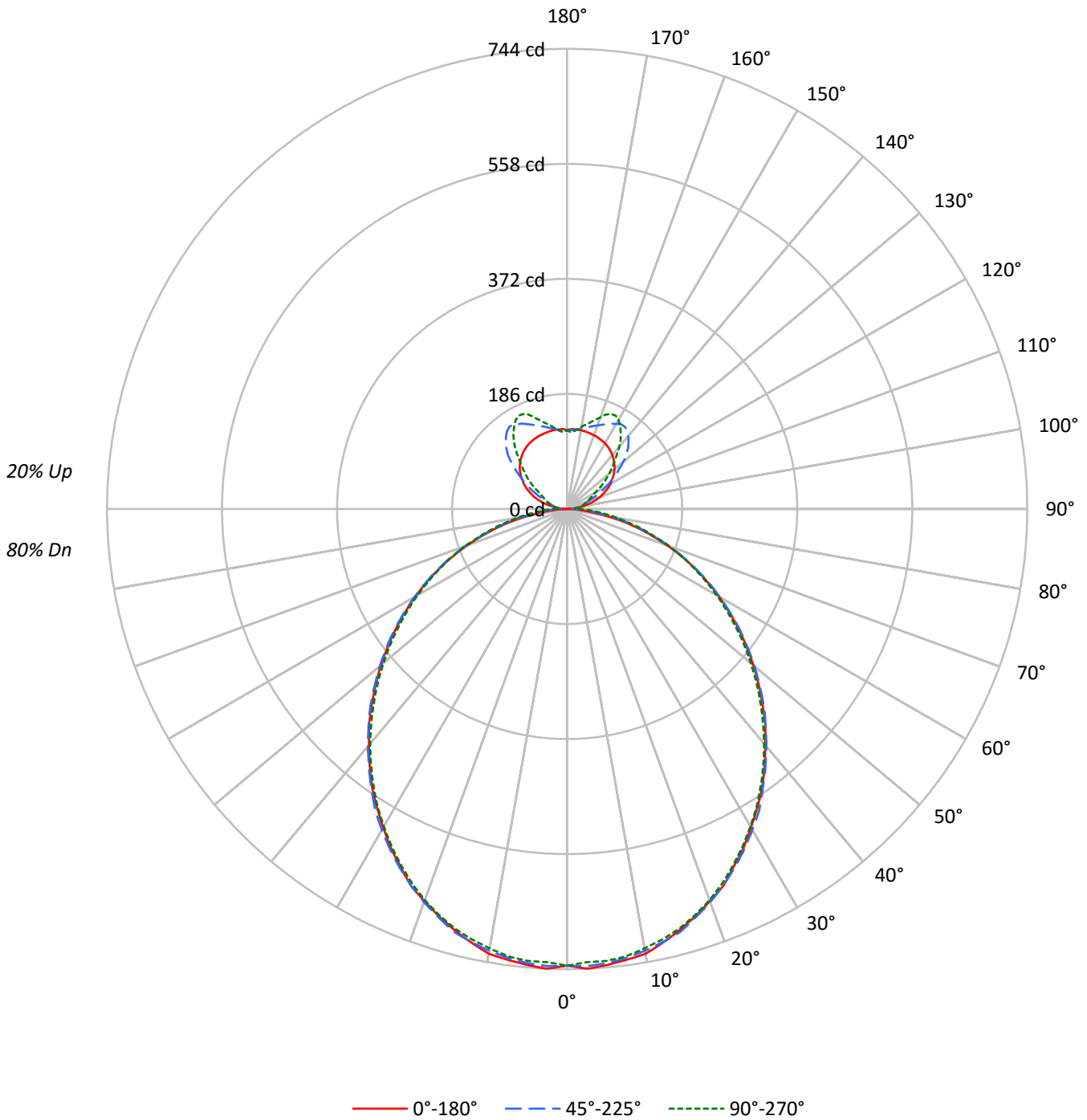
Input Watts (W): 25.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4058	4058	4058
5°	4069	3974	3931
10°	4045	3866	3803
15°	3964	3759	3668
20°	3886	3608	3509
25°	3792	3454	3334
30°	3683	3296	3155
35°	3582	3120	2970
40°	3453	2939	2777
45°	3330	2762	2574
50°	3198	2568	2370
55°	3058	2369	2161
60°	2904	2149	1946
65°	2724	1909	1715
70°	2472	1630	1472
75°	2130	1292	1182
80°	1624	930	883
85°	849	556	598



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CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.8	2.9
10°-20°	197.9	8.1
20°-30°	293.0	12.0
30°-40°	342.4	14.0
40°-50°	343.9	14.1
50°-60°	302.3	12.4
60°-70°	226.5	9.3
70°-80°	128.8	5.3
80°-90°	40.7	1.7
90°-100°	14.7	0.6
100°-110°	35.7	1.5
110°-120°	59.4	2.4
120°-130°	83.3	3.4
130°-140°	96.0	3.9
140°-150°	91.6	3.7
150°-160°	68.9	2.8
160°-170°	39.0	1.6
170°-180°	12.4	0.5
0°-30°	560.6	22.9
0°-40°	903.0	36.9
0°-60°	1549.2	63.3
0°-90°	1945.2	79.5
90°-120°	109.7	4.5
90°-150°	380.6	15.6
90°-180°	501.0	20.5
0°-180°	2446.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	738	738	738	738	738	
5°	740	733	737	735	733	70
15°	705	698	708	703	702	199
25°	638	636	640	638	635	294
35°	550	545	552	547	546	343
45°	447	446	450	445	442	345
55°	338	340	341	337	333	303
65°	229	229	230	229	226	226
75°	116	118	121	125	125	123
85°	20	26	36	44	46	26
90°	1	4	11	17	19	2
95°	11	11	11	12	12	12
105°	42	36	27	28	29	44
115°	69	86	52	42	42	68
125°	91	125	94	76	70	81
135°	107	136	139	116	107	83
145°	119	135	162	156	151	74
155°	125	132	151	167	169	58
165°	128	130	137	143	145	36
175°	129	128	128	128	126	12
180°	127	127	127	127	127	



TEST NUMBER: P395843

CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3
2.5°	743.9	742.7	739.6	736.4	735.8	735.2	735.2	734.6	734.6	735.8	739.6
5°	740.2	739.6	736.4	733.3	732.7	732.7	732.1	732.1	732.1	733.3	737.1
7.5°	735.2	733.9	730.8	727.7	727.1	727.1	727.1	726.4	727.1	727.7	732.1
10°	730.2	729.6	726.4	722.7	721.4	721.4	720.8	719.6	719.6	720.8	725.2
12.5°	717.7	717.1	714.0	711.5	711.5	712.1	712.1	712.7	712.7	714.0	717.1
15°	704.6	704.0	700.8	698.3	698.3	698.3	697.7	697.7	698.3	702.1	707.7
17.5°	690.2	689.6	687.1	684.6	684.6	684.6	684.0	684.0	684.6	686.5	692.1
20°	674.6	674.0	671.5	669.0	669.0	669.0	668.4	669.0	669.0	671.5	676.5
22.5°	659.6	658.4	655.2	652.7	651.5	651.5	651.5	650.9	652.1	654.0	659.0
25°	637.7	637.1	635.9	634.0	635.2	635.9	634.6	633.4	633.4	635.9	640.2
27.5°	617.8	616.5	614.6	612.8	611.5	612.1	612.8	614.0	615.9	616.5	620.3
30°	594.6	594.0	592.1	589.7	590.3	590.9	590.9	590.9	592.1	597.8	599.0
32.5°	572.2	571.5	569.7	567.2	567.8	568.4	567.8	568.4	569.7	572.2	577.8
35°	549.7	548.4	546.6	545.9	545.3	545.3	545.3	545.9	546.6	548.4	551.5
37.5°	524.1	522.8	521.6	519.7	520.9	522.2	522.8	522.2	522.8	525.3	526.6
40°	498.5	497.8	496.6	495.3	496.0	496.6	496.0	497.8	499.1	500.3	501.0
42.5°	474.1	472.8	471.6	471.0	471.0	471.6	471.6	472.8	472.8	476.0	475.3
45°	446.6	446.0	445.4	445.4	446.0	446.0	446.0	446.6	447.2	449.1	449.7
47.5°	419.8	419.1	419.1	419.1	419.1	419.8	420.4	422.2	421.0	421.6	422.2
50°	392.9	392.3	392.3	392.3	393.5	393.5	394.8	395.4	396.0	394.8	395.4
52.5°	365.4	364.8	366.0	366.0	367.3	367.3	369.2	367.3	368.5	367.9	367.9
55°	338.5	337.9	339.2	338.5	339.8	339.8	341.0	341.7	341.0	341.0	341.0
57.5°	311.1	310.4	311.1	311.7	312.3	312.3	314.2	314.2	312.3	313.6	312.9
60°	283.6	283.0	283.6	284.2	284.8	284.8	285.5	284.2	285.5	286.1	285.5
62.5°	256.1	255.5	256.7	256.1	256.7	257.3	257.3	259.2	258.6	258.6	258.0
65°	228.6	228.0	228.0	228.0	228.6	229.2	229.9	230.5	230.5	231.1	230.5
67.5°	200.5	199.9	200.5	199.9	200.5	201.1	202.4	203.0	203.0	203.6	203.0
70°	171.8	172.4	171.8	172.4	173.0	173.6	174.3	175.5	175.5	175.5	175.5
72.5°	143.7	143.0	143.0	142.4	143.7	144.3	144.9	146.8	146.8	147.4	147.4
75°	116.2	114.9	115.6	114.9	117.4	118.1	118.1	119.9	120.6	121.8	121.2
77.5°	89.3	89.3	88.1	89.9	90.6	91.8	93.1	94.3	94.9	96.8	96.8
80°	63.7	63.7	63.1	64.3	66.8	67.5	69.3	70.0	71.8	73.1	73.7
82.5°	40.6	40.6	40.6	42.5	44.3	45.0	46.8	48.7	50.0	51.8	52.5
85°	20.0	21.2	21.2	23.7	25.0	26.2	26.9	29.4	31.2	33.7	35.6
87.5°	6.2	6.9	7.5	8.7	11.2	11.9	13.1	15.6	17.5	20.0	21.9
90°	0.6	0.6	1.2	1.9	3.1	3.7	5.0	6.2	8.1	10.0	11.2
92.5°	4.4	4.4	5.0	5.0	5.0	5.0	5.0	5.6	6.2	7.5	8.1
95°	10.6	16.9	10.0	9.4	10.6	10.6	11.2	10.6	10.6	10.6	10.6
97.5°	17.5	31.2	20.6	14.4	13.7	14.4	14.4	15.6	16.2	16.9	16.9
100°	25.6	39.4	36.2	23.7	19.4	18.7	18.7	18.7	19.4	20.0	20.6
102.5°	33.7	45.0	51.8	36.9	27.5	25.0	23.7	23.1	22.5	23.1	23.1
105°	41.9	50.6	63.7	50.0	39.4	35.6	31.9	27.5	26.9	26.9	26.9
107.5°	49.3	56.2	72.5	65.0	51.2	47.5	43.1	36.2	31.9	31.2	30.6
110°	56.2	61.8	78.7	77.5	64.3	58.7	55.0	47.5	41.2	36.9	35.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	62.5	67.5	83.1	88.1	78.7	71.8	66.2	58.7	51.8	46.2	41.9
115°	68.7	73.1	86.8	96.8	91.2	85.6	79.3	70.0	63.1	57.5	52.5
117.5°	75.0	78.7	90.6	103.1	101.8	98.1	93.1	81.8	73.7	68.1	62.5
120°	80.6	84.3	94.3	107.4	111.2	108.1	104.9	94.9	84.9	78.7	73.7
122.5°	85.6	88.7	98.1	111.2	118.1	117.4	114.3	107.4	97.4	89.9	83.7
125°	90.6	93.7	101.8	113.7	123.1	124.9	123.7	118.1	110.6	101.8	94.3
127.5°	95.6	98.1	105.6	116.2	126.8	130.5	131.2	127.4	121.8	114.3	106.2
130°	99.9	102.4	108.7	118.1	129.3	133.7	136.2	135.5	131.2	126.2	118.1
132.5°	103.7	105.6	111.8	119.9	130.5	135.5	139.3	142.4	139.3	135.5	129.9
135°	107.4	109.3	114.3	121.8	131.2	136.2	141.2	146.2	146.8	143.7	139.3
137.5°	110.6	111.8	116.8	123.1	131.2	136.2	141.2	148.0	151.8	150.5	146.8
140°	113.7	114.9	118.7	124.9	131.8	136.2	140.5	148.7	153.7	155.5	153.7
142.5°	116.2	117.4	120.6	126.2	131.8	135.5	139.9	147.4	154.3	158.0	159.3
145°	118.7	119.3	122.4	126.8	131.8	134.9	138.7	146.2	153.0	158.7	162.4
147.5°	120.6	121.2	123.1	127.4	131.8	134.3	137.4	143.7	150.5	156.8	162.4
150°	122.4	122.4	124.3	127.4	131.8	133.7	136.2	141.8	147.4	153.7	158.7
152.5°	123.7	123.7	125.6	128.0	131.2	133.0	135.5	139.9	144.9	150.5	155.5
155°	124.9	124.9	126.2	128.0	131.2	132.4	134.3	138.0	142.4	146.8	151.2
157.5°	126.2	126.2	126.8	128.7	130.5	131.8	133.7	136.8	139.9	143.7	147.4
160°	126.8	126.8	127.4	128.7	129.9	131.2	132.4	134.9	138.0	140.5	143.7
162.5°	127.4	127.4	128.0	128.7	129.9	130.5	131.2	133.7	135.5	138.0	140.5
165°	128.0	128.0	128.0	128.7	129.3	129.9	130.5	131.8	133.7	135.5	137.4
167.5°	128.7	128.7	128.7	128.7	129.3	129.3	129.9	130.5	131.8	133.0	134.3
170°	129.3	128.7	128.7	129.3	128.7	128.7	129.3	129.9	129.9	131.2	131.8
172.5°	129.3	129.3	128.7	128.7	128.7	128.7	128.7	128.7	128.7	129.3	129.9
175°	129.3	129.3	128.7	128.7	128.7	128.0	128.0	128.0	128.0	128.0	128.0
177.5°	129.3	129.3	128.7	128.7	128.0	128.0	128.0	128.0	128.0	128.0	128.0
180°	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3	738.3
2.5°	743.3	740.2	738.9	738.3	737.7	737.1	735.8	734.6	733.3	733.3
5°	740.2	737.1	735.8	735.2	734.6	733.9	733.3	733.3	733.3	733.3
7.5°	735.2	732.1	730.8	730.2	730.2	729.6	729.6	729.6	728.9	729.6
10°	727.7	724.6	723.9	723.3	722.7	721.4	721.4	721.4	720.8	721.4
12.5°	718.3	715.2	714.6	714.0	713.3	712.7	712.7	712.1	712.1	712.7
15°	709.0	704.6	703.3	703.3	702.7	702.1	702.7	702.1	702.1	702.1
17.5°	695.2	693.3	691.5	690.2	689.6	689.0	689.0	688.3	688.3	688.3
20°	677.1	677.1	677.1	674.0	673.4	672.7	672.7	672.7	672.7	672.7
22.5°	659.6	656.5	659.0	657.1	655.9	654.6	655.2	655.2	655.2	655.2
25°	640.2	637.7	638.4	639.0	637.7	635.9	635.9	635.9	635.9	635.2
27.5°	619.6	617.8	617.1	617.8	619.0	617.8	615.9	614.0	614.6	614.6
30°	597.1	596.5	595.9	594.6	595.9	596.5	593.4	592.8	592.8	592.8
32.5°	574.7	574.0	572.2	570.9	571.5	572.8	571.5	570.3	570.3	570.3
35°	552.2	549.7	547.8	547.2	547.2	548.4	547.8	545.9	545.9	545.9
37.5°	525.9	526.6	523.4	522.8	522.8	522.8	524.1	520.9	521.6	520.9
40°	500.3	501.0	499.1	497.2	497.8	496.6	498.5	495.3	495.3	495.3
42.5°	474.7	473.5	474.1	470.3	471.0	471.0	471.6	469.7	469.1	468.5
45°	448.5	447.2	446.6	444.7	444.7	444.1	444.1	441.6	441.6	441.6
47.5°	421.0	420.4	419.1	417.9	417.9	417.3	416.0	415.4	414.8	414.8
50°	394.8	392.9	391.0	391.6	391.0	390.4	389.1	388.5	387.9	387.3
52.5°	366.7	366.7	364.2	364.2	364.2	363.5	362.3	361.0	361.0	360.4
55°	339.2	338.5	336.7	336.1	336.7	336.1	334.8	333.6	333.6	332.9
57.5°	311.7	310.4	309.8	309.8	309.2	309.2	307.3	306.1	306.7	306.1
60°	283.6	283.6	283.0	282.3	282.3	281.7	279.8	279.8	279.8	279.2
62.5°	256.7	256.7	255.5	254.8	255.5	254.8	254.2	253.6	253.0	252.4
65°	228.6	229.2	228.0	228.6	228.6	227.4	227.4	226.7	226.7	226.1
67.5°	202.4	202.4	201.8	201.8	202.4	201.8	201.8	201.1	201.1	200.5
70°	175.5	176.8	176.1	176.1	176.1	175.5	175.5	175.5	174.9	175.5
72.5°	148.7	148.7	148.7	148.7	148.7	149.3	149.3	149.3	149.3	148.7
75°	123.7	124.3	123.7	124.3	124.9	124.9	124.9	124.9	125.6	124.9
77.5°	99.3	99.9	99.9	101.2	101.2	101.2	101.8	101.8	101.8	101.8
80°	76.2	76.8	77.5	78.7	78.7	80.0	80.6	80.6	80.6	80.6
82.5°	55.0	56.8	57.5	59.3	60.0	60.0	61.2	61.8	61.8	61.8
85°	38.1	40.0	41.2	42.5	43.7	43.7	45.0	45.0	45.6	45.6
87.5°	23.7	25.6	26.9	28.7	29.4	30.0	30.6	31.2	31.9	31.9
90°	13.1	14.4	15.6	16.9	16.9	17.5	18.1	18.7	19.4	19.4
92.5°	9.4	10.0	11.2	11.9	11.9	12.5	13.1	13.1	13.7	13.7
95°	10.6	11.2	11.2	11.9	11.9	11.9	12.5	12.5	12.5	12.5
97.5°	16.2	16.2	16.2	15.6	15.6	15.6	15.6	15.6	15.6	15.6
100°	21.2	21.9	21.9	21.9	22.5	22.5	22.5	22.5	21.9	21.9
102.5°	23.7	24.4	25.0	25.6	25.6	25.6	26.2	26.2	26.2	26.2
105°	26.9	26.9	27.5	28.1	28.1	28.1	28.7	28.7	28.7	28.7
107.5°	30.6	30.6	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
110°	35.0	35.0	35.0	34.4	35.0	34.4	34.4	34.4	34.4	34.4



TEST NUMBER: P395843

CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	40.0	39.4	39.4	38.7	38.7	38.7	38.1	38.1	38.1	38.1
115°	48.1	45.0	43.7	42.5	42.5	42.5	41.9	41.9	41.9	41.9
117.5°	58.1	53.7	51.2	48.7	48.1	47.5	46.2	46.2	45.6	45.6
120°	68.7	64.3	60.6	57.5	56.2	55.6	53.7	52.5	51.2	51.2
122.5°	78.7	74.3	70.6	67.5	66.2	65.0	63.1	61.8	60.6	60.6
125°	88.7	84.3	80.6	77.5	75.6	74.3	72.5	71.2	70.0	70.0
127.5°	99.3	93.7	89.9	86.8	84.9	84.3	81.8	80.6	79.3	79.3
130°	111.2	104.3	99.3	95.6	94.3	93.1	91.2	89.9	88.7	88.7
132.5°	123.1	116.2	110.6	105.6	103.7	102.4	99.9	98.7	97.4	97.4
135°	134.3	128.0	122.4	117.4	115.6	113.7	111.2	108.7	107.4	107.4
137.5°	143.0	138.7	133.7	129.3	127.4	125.6	123.1	120.6	118.7	119.3
140°	150.5	146.8	143.7	140.5	138.7	137.4	134.9	133.0	131.2	131.2
142.5°	157.4	154.3	151.2	148.7	148.0	147.4	145.5	143.7	142.4	142.4
145°	163.7	161.8	159.3	156.2	155.5	154.9	153.0	151.8	151.2	151.2
147.5°	165.5	166.2	165.5	163.7	163.0	162.4	161.2	159.9	159.3	159.3
150°	164.3	166.8	168.0	168.0	168.0	168.0	168.0	166.8	166.2	166.2
152.5°	160.5	164.3	166.8	168.7	169.3	169.9	169.9	170.5	169.9	169.9
155°	156.2	159.9	163.7	165.5	166.8	167.4	168.7	169.3	169.9	169.3
157.5°	151.2	154.3	156.8	160.5	161.8	163.0	164.3	165.5	166.2	165.5
160°	146.8	149.3	151.2	153.7	154.3	155.5	156.8	157.4	158.7	158.0
162.5°	142.4	144.3	146.2	147.4	148.7	149.3	150.5	151.2	151.8	151.2
165°	139.3	140.5	141.2	142.4	143.0	143.7	144.3	144.9	144.9	144.9
167.5°	135.5	136.8	137.4	138.0	138.7	139.3	139.3	139.9	139.9	139.9
170°	132.4	133.0	133.7	134.3	134.3	134.9	134.9	134.9	135.5	134.9
172.5°	129.9	129.9	129.9	130.5	130.5	130.5	130.5	130.5	130.5	129.9
175°	128.7	128.7	128.0	128.0	128.0	128.0	128.0	127.4	126.8	126.2
177.5°	128.0	127.4	127.4	126.8	126.8	126.8	126.2	125.6	124.9	124.3
180°	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4	127.4

(END OF REPORT)