

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: P395841

Luminaire Tested: **I3-WL-30L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395841
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 (2700K)
Description: CORELITE I3, DOWNLIGHT TRAY
3000 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: 2240.3 lumens
Efficiency: N/A
Efficacy: 87.2 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

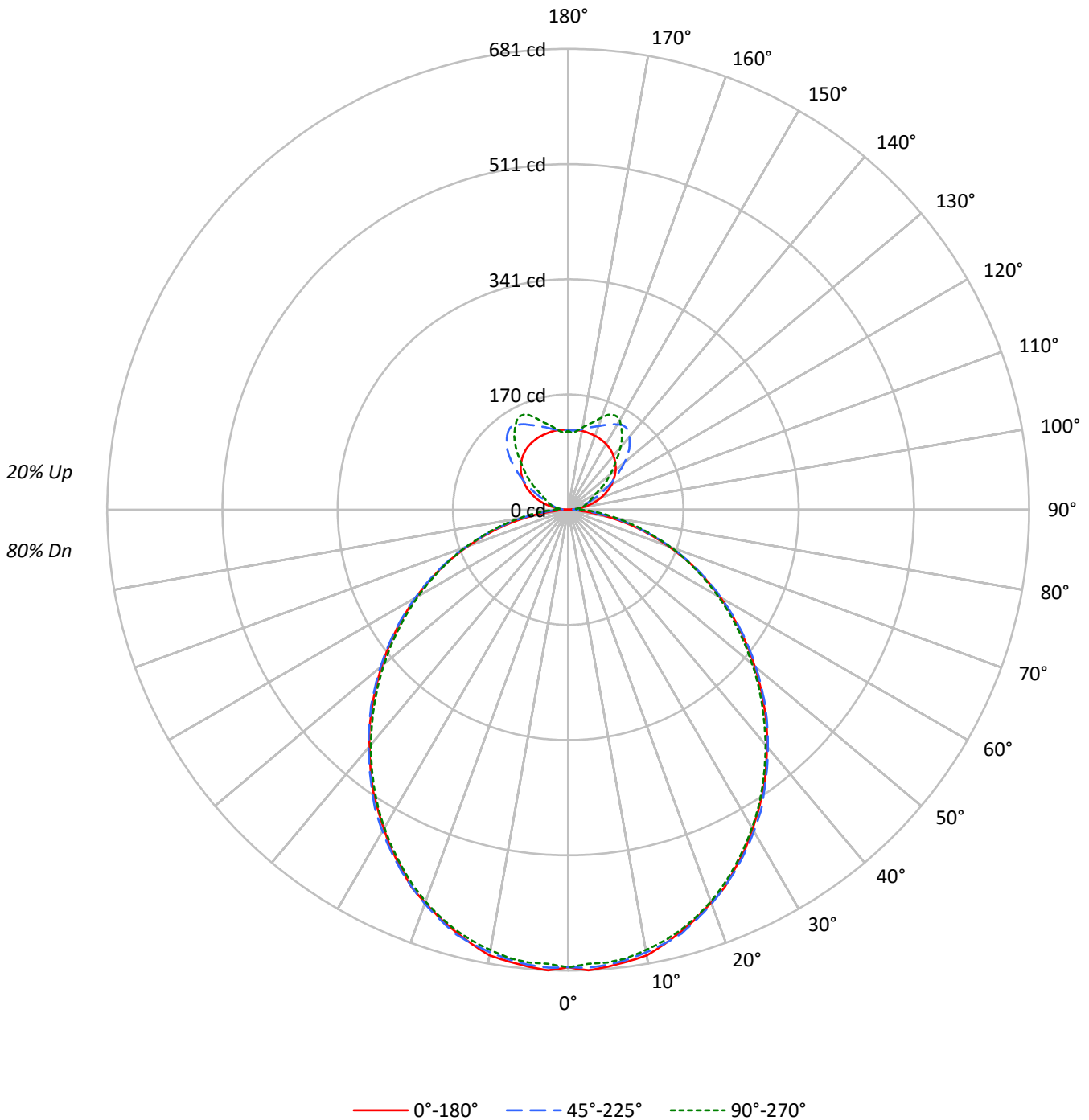
Input Watts (W): 25.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3717	3717	3717
5°	3726	3640	3601
10°	3705	3541	3483
15°	3631	3443	3359
20°	3559	3304	3214
25°	3473	3164	3054
30°	3374	3019	2890
35°	3280	2858	2720
40°	3163	2692	2544
45°	3049	2529	2358
50°	2928	2351	2171
55°	2801	2170	1979
60°	2659	1968	1782
65°	2496	1749	1571
70°	2263	1494	1349
75°	1950	1183	1083
80°	1489	852	808
85°	776	509	548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.9	2.9
10°-20°	181.2	8.1
20°-30°	268.3	12.0
30°-40°	313.6	14.0
40°-50°	315.0	14.1
50°-60°	276.9	12.4
60°-70°	207.4	9.3
70°-80°	118.0	5.3
80°-90°	37.2	1.7
90°-100°	13.4	0.6
100°-110°	32.7	1.5
110°-120°	54.4	2.4
120°-130°	76.3	3.4
130°-140°	87.9	3.9
140°-150°	83.9	3.7
150°-160°	63.1	2.8
160°-170°	35.7	1.6
170°-180°	11.3	0.5
0°-30°	513.4	22.9
0°-40°	827.0	36.9
0°-60°	1418.9	63.3
0°-90°	1781.5	79.5
90°-120°	100.5	4.5
90°-150°	348.6	15.6
90°-180°	459.0	20.5
0°-180°	2240.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	676	676	676	676	676	
5°	678	671	675	673	672	64
15°	645	640	648	644	643	182
25°	584	582	586	584	582	269
35°	503	499	505	501	500	314
45°	409	408	412	407	404	316
55°	310	311	312	308	305	277
65°	209	210	211	209	207	207
75°	106	108	111	114	114	113
85°	18	24	33	40	42	24
90°	1	3	10	15	18	1
95°	10	10	10	11	11	11
105°	38	33	25	26	26	40
115°	63	78	48	39	38	62
125°	83	114	86	69	64	74
135°	98	125	128	106	98	76
145°	109	124	149	142	138	68
155°	114	121	138	153	155	53
165°	117	119	126	131	133	33
175°	118	117	117	117	116	11
180°	117	117	117	117	117	



TEST NUMBER: P395841

CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	676.2	676.2	676.2	676.2	676.2	676.2	676.2	676.2	676.2	676.2	676.2
2.5°	681.4	680.2	677.4	674.5	673.9	673.4	673.4	672.8	672.8	673.9	677.4
5°	677.9	677.4	674.5	671.6	671.1	671.1	670.5	670.5	670.5	671.6	675.1
7.5°	673.4	672.2	669.3	666.5	665.9	665.9	665.9	665.3	665.9	666.5	670.5
10°	668.8	668.2	665.3	661.9	660.8	660.8	660.2	659.0	659.0	660.2	664.2
12.5°	657.3	656.8	653.9	651.6	651.6	652.2	652.2	652.8	652.8	653.9	656.8
15°	645.3	644.7	641.9	639.6	639.6	639.6	639.0	639.0	639.6	643.0	648.2
17.5°	632.2	631.6	629.3	627.0	627.0	627.0	626.4	626.4	627.0	628.7	633.9
20°	617.9	617.3	615.0	612.7	612.7	612.7	612.1	612.7	612.7	615.0	619.6
22.5°	604.1	603.0	600.1	597.8	596.7	596.7	596.7	596.1	597.3	599.0	603.6
25°	584.1	583.5	582.4	580.7	581.8	582.4	581.2	580.1	580.1	582.4	586.4
27.5°	565.8	564.7	562.9	561.2	560.1	560.6	561.2	562.4	564.1	564.7	568.1
30°	544.6	544.1	542.3	540.1	540.6	541.2	541.2	541.2	542.3	547.5	548.6
32.5°	524.0	523.5	521.7	519.5	520.0	520.6	520.0	520.6	521.7	524.0	529.2
35°	503.4	502.3	500.6	500.0	499.4	499.4	499.4	500.0	500.6	502.3	505.2
37.5°	480.0	478.8	477.7	476.0	477.1	478.3	478.8	478.3	478.8	481.1	482.3
40°	456.5	456.0	454.8	453.7	454.2	454.8	454.2	456.0	457.1	458.2	458.8
42.5°	434.2	433.1	431.9	431.4	431.4	431.9	431.9	433.1	433.1	435.9	435.4
45°	409.0	408.5	407.9	407.9	408.5	408.5	408.5	409.0	409.6	411.3	411.9
47.5°	384.4	383.9	383.9	383.9	383.9	384.4	385.0	386.7	385.6	386.2	386.7
50°	359.8	359.3	359.3	359.3	360.4	360.4	361.6	362.1	362.7	361.6	362.1
52.5°	334.7	334.1	335.2	335.2	336.4	336.4	338.1	336.4	337.5	337.0	337.0
55°	310.1	309.5	310.6	310.1	311.2	311.2	312.4	312.9	312.4	312.4	312.4
57.5°	284.9	284.3	284.9	285.5	286.0	286.0	287.8	287.8	286.0	287.2	286.6
60°	259.7	259.2	259.7	260.3	260.9	260.9	261.4	260.3	261.4	262.0	261.4
62.5°	234.6	234.0	235.1	234.6	235.1	235.7	235.7	237.4	236.8	236.8	236.3
65°	209.4	208.8	208.8	208.8	209.4	210.0	210.5	211.1	211.1	211.7	211.1
67.5°	183.6	183.1	183.6	183.1	183.6	184.2	185.4	185.9	185.9	186.5	185.9
70°	157.3	157.9	157.3	157.9	158.5	159.0	159.6	160.8	160.8	160.8	160.8
72.5°	131.6	131.0	131.0	130.4	131.6	132.2	132.7	134.4	134.4	135.0	135.0
75°	106.4	105.3	105.8	105.3	107.6	108.1	108.1	109.8	110.4	111.6	111.0
77.5°	81.8	81.8	80.7	82.4	83.0	84.1	85.2	86.4	87.0	88.7	88.7
80°	58.4	58.4	57.8	58.9	61.2	61.8	63.5	64.1	65.8	66.9	67.5
82.5°	37.2	37.2	37.2	38.9	40.6	41.2	42.9	44.6	45.8	47.5	48.1
85°	18.3	19.5	19.5	21.7	22.9	24.0	24.6	26.9	28.6	30.9	32.6
87.5°	5.7	6.3	6.9	8.0	10.3	10.9	12.0	14.3	16.0	18.3	20.0
90°	0.6	0.6	1.1	1.7	2.9	3.4	4.6	5.7	7.4	9.2	10.3
92.5°	4.0	4.0	4.6	4.6	4.6	4.6	4.6	5.1	5.7	6.9	7.4
95°	9.7	15.4	9.2	8.6	9.7	9.7	10.3	9.7	9.7	9.7	9.7
97.5°	16.0	28.6	18.9	13.2	12.6	13.2	13.2	14.3	14.9	15.4	15.4
100°	23.5	36.0	33.2	21.7	17.7	17.2	17.2	17.2	17.7	18.3	18.9
102.5°	30.9	41.2	47.5	33.8	25.2	22.9	21.7	21.2	20.6	21.2	21.2
105°	38.3	46.3	58.4	45.8	36.0	32.6	29.2	25.2	24.6	24.6	24.6
107.5°	45.2	51.5	66.4	59.5	46.9	43.5	39.5	33.2	29.2	28.6	28.0
110°	51.5	56.6	72.1	70.9	58.9	53.8	50.3	43.5	37.8	33.8	32.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	57.2	61.8	76.1	80.7	72.1	65.8	60.6	53.8	47.5	42.3	38.3
115°	62.9	66.9	79.5	88.7	83.5	78.4	72.7	64.1	57.8	52.6	48.1
117.5°	68.7	72.1	83.0	94.4	93.3	89.8	85.2	74.9	67.5	62.4	57.2
120°	73.8	77.2	86.4	98.4	101.8	99.0	96.1	87.0	77.8	72.1	67.5
122.5°	78.4	81.2	89.8	101.8	108.1	107.6	104.7	98.4	89.2	82.4	76.7
125°	83.0	85.8	93.3	104.1	112.7	114.4	113.3	108.1	101.3	93.3	86.4
127.5°	87.5	89.8	96.7	106.4	116.1	119.6	120.1	116.7	111.6	104.7	97.3
130°	91.5	93.8	99.5	108.1	118.4	122.4	124.7	124.1	120.1	115.6	108.1
132.5°	95.0	96.7	102.4	109.8	119.6	124.1	127.6	130.4	127.6	124.1	119.0
135°	98.4	100.1	104.7	111.6	120.1	124.7	129.3	133.9	134.4	131.6	127.6
137.5°	101.3	102.4	107.0	112.7	120.1	124.7	129.3	135.6	139.0	137.9	134.4
140°	104.1	105.3	108.7	114.4	120.7	124.7	128.7	136.2	140.7	142.5	140.7
142.5°	106.4	107.6	110.4	115.6	120.7	124.1	128.1	135.0	141.3	144.7	145.9
145°	108.7	109.3	112.1	116.1	120.7	123.6	127.0	133.9	140.2	145.3	148.7
147.5°	110.4	111.0	112.7	116.7	120.7	123.0	125.9	131.6	137.9	143.6	148.7
150°	112.1	112.1	113.8	116.7	120.7	122.4	124.7	129.9	135.0	140.7	145.3
152.5°	113.3	113.3	115.0	117.3	120.1	121.9	124.1	128.1	132.7	137.9	142.5
155°	114.4	114.4	115.6	117.3	120.1	121.3	123.0	126.4	130.4	134.4	138.4
157.5°	115.6	115.6	116.1	117.9	119.6	120.7	122.4	125.3	128.1	131.6	135.0
160°	116.1	116.1	116.7	117.9	119.0	120.1	121.3	123.6	126.4	128.7	131.6
162.5°	116.7	116.7	117.3	117.9	119.0	119.6	120.1	122.4	124.1	126.4	128.7
165°	117.3	117.3	117.3	117.9	118.4	119.0	119.6	120.7	122.4	124.1	125.9
167.5°	117.9	117.9	117.9	117.9	118.4	118.4	119.0	119.6	120.7	121.9	123.0
170°	118.4	117.9	117.9	118.4	117.9	117.9	118.4	119.0	119.0	120.1	120.7
172.5°	118.4	118.4	117.9	117.9	117.9	117.9	117.9	117.9	117.9	118.4	119.0
175°	118.4	118.4	117.9	117.9	117.9	117.3	117.3	117.3	117.3	117.3	117.3
177.5°	118.4	118.4	117.9	117.9	117.3	117.3	117.3	117.3	117.3	117.3	117.3
180°	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	676.2	676.2	676.2	676.2	676.2	676.2	676.2	676.2	676.2	676.2
2.5°	680.8	677.9	676.8	676.2	675.6	675.1	673.9	672.8	671.6	671.6
5°	677.9	675.1	673.9	673.4	672.8	672.2	671.6	671.6	671.6	671.6
7.5°	673.4	670.5	669.3	668.8	668.8	668.2	668.2	668.2	667.6	668.2
10°	666.5	663.6	663.1	662.5	661.9	660.8	660.8	660.8	660.2	660.8
12.5°	657.9	655.0	654.5	653.9	653.3	652.8	652.8	652.2	652.2	652.8
15°	649.3	645.3	644.2	644.2	643.6	643.0	643.6	643.0	643.0	643.0
17.5°	636.7	635.0	633.3	632.2	631.6	631.0	631.0	630.4	630.4	630.4
20°	620.1	620.1	620.1	617.3	616.7	616.1	616.1	616.1	616.1	616.1
22.5°	604.1	601.3	603.6	601.8	600.7	599.6	600.1	600.1	600.1	600.1
25°	586.4	584.1	584.7	585.2	584.1	582.4	582.4	582.4	582.4	581.8
27.5°	567.5	565.8	565.2	565.8	566.9	565.8	564.1	562.4	562.9	562.9
30°	546.9	546.3	545.8	544.6	545.8	546.3	543.5	542.9	542.9	542.9
32.5°	526.3	525.8	524.0	522.9	523.5	524.6	523.5	522.3	522.3	522.3
35°	505.7	503.4	501.7	501.2	501.2	502.3	501.7	500.0	500.0	500.0
37.5°	481.7	482.3	479.4	478.8	478.8	478.8	480.0	477.1	477.7	477.1
40°	458.2	458.8	457.1	455.4	456.0	454.8	456.5	453.7	453.7	453.7
42.5°	434.8	433.6	434.2	430.8	431.4	431.4	431.9	430.2	429.6	429.1
45°	410.8	409.6	409.0	407.3	407.3	406.8	406.8	404.5	404.5	404.5
47.5°	385.6	385.0	383.9	382.7	382.7	382.2	381.0	380.4	379.9	379.9
50°	361.6	359.8	358.1	358.7	358.1	357.6	356.4	355.8	355.3	354.7
52.5°	335.8	335.8	333.5	333.5	333.5	333.0	331.8	330.7	330.7	330.1
55°	310.6	310.1	308.4	307.8	308.4	307.8	306.6	305.5	305.5	304.9
57.5°	285.5	284.3	283.8	283.8	283.2	283.2	281.5	280.3	280.9	280.3
60°	259.7	259.7	259.2	258.6	258.6	258.0	256.3	256.3	256.3	255.7
62.5°	235.1	235.1	234.0	233.4	234.0	233.4	232.8	232.3	231.7	231.1
65°	209.4	210.0	208.8	209.4	209.4	208.2	208.2	207.7	207.7	207.1
67.5°	185.4	185.4	184.8	184.8	185.4	184.8	184.8	184.2	184.2	183.6
70°	160.8	161.9	161.3	161.3	161.3	160.8	160.8	160.8	160.2	160.8
72.5°	136.2	136.2	136.2	136.2	136.2	136.7	136.7	136.7	136.7	136.2
75°	113.3	113.8	113.3	113.8	114.4	114.4	114.4	114.4	115.0	114.4
77.5°	91.0	91.5	91.5	92.7	92.7	92.7	93.3	93.3	93.3	93.3
80°	69.8	70.4	70.9	72.1	72.1	73.2	73.8	73.8	73.8	73.8
82.5°	50.3	52.1	52.6	54.3	54.9	54.9	56.1	56.6	56.6	56.6
85°	34.9	36.6	37.8	38.9	40.0	40.0	41.2	41.2	41.8	41.8
87.5°	21.7	23.5	24.6	26.3	26.9	27.5	28.0	28.6	29.2	29.2
90°	12.0	13.2	14.3	15.4	15.4	16.0	16.6	17.2	17.7	17.7
92.5°	8.6	9.2	10.3	10.9	10.9	11.4	12.0	12.0	12.6	12.6
95°	9.7	10.3	10.3	10.9	10.9	10.9	11.4	11.4	11.4	11.4
97.5°	14.9	14.9	14.9	14.3	14.3	14.3	14.3	14.3	14.3	14.3
100°	19.5	20.0	20.0	20.0	20.6	20.6	20.6	20.6	20.0	20.0
102.5°	21.7	22.3	22.9	23.5	23.5	23.5	24.0	24.0	24.0	24.0
105°	24.6	24.6	25.2	25.7	25.7	25.7	26.3	26.3	26.3	26.3
107.5°	28.0	28.0	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
110°	32.0	32.0	32.0	31.5	32.0	31.5	31.5	31.5	31.5	31.5



TEST NUMBER: P395841

CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	36.6	36.0	36.0	35.5	35.5	35.5	34.9	34.9	34.9	34.9
115°	44.1	41.2	40.0	38.9	38.9	38.9	38.3	38.3	38.3	38.3
117.5°	53.2	49.2	46.9	44.6	44.1	43.5	42.3	42.3	41.8	41.8
120°	62.9	58.9	55.5	52.6	51.5	50.9	49.2	48.1	46.9	46.9
122.5°	72.1	68.1	64.6	61.8	60.6	59.5	57.8	56.6	55.5	55.5
125°	81.2	77.2	73.8	70.9	69.2	68.1	66.4	65.2	64.1	64.1
127.5°	91.0	85.8	82.4	79.5	77.8	77.2	74.9	73.8	72.7	72.7
130°	101.8	95.5	91.0	87.5	86.4	85.2	83.5	82.4	81.2	81.2
132.5°	112.7	106.4	101.3	96.7	95.0	93.8	91.5	90.4	89.2	89.2
135°	123.0	117.3	112.1	107.6	105.8	104.1	101.8	99.5	98.4	98.4
137.5°	131.0	127.0	122.4	118.4	116.7	115.0	112.7	110.4	108.7	109.3
140°	137.9	134.4	131.6	128.7	127.0	125.9	123.6	121.9	120.1	120.1
142.5°	144.2	141.3	138.4	136.2	135.6	135.0	133.3	131.6	130.4	130.4
145°	149.9	148.2	145.9	143.0	142.5	141.9	140.2	139.0	138.4	138.4
147.5°	151.6	152.2	151.6	149.9	149.3	148.7	147.6	146.5	145.9	145.9
150°	150.5	152.7	153.9	153.9	153.9	153.9	153.9	152.7	152.2	152.2
152.5°	147.0	150.5	152.7	154.5	155.0	155.6	155.6	156.2	155.6	155.6
155°	143.0	146.5	149.9	151.6	152.7	153.3	154.5	155.0	155.6	155.0
157.5°	138.4	141.3	143.6	147.0	148.2	149.3	150.5	151.6	152.2	151.6
160°	134.4	136.7	138.4	140.7	141.3	142.5	143.6	144.2	145.3	144.7
162.5°	130.4	132.2	133.9	135.0	136.2	136.7	137.9	138.4	139.0	138.4
165°	127.6	128.7	129.3	130.4	131.0	131.6	132.2	132.7	132.7	132.7
167.5°	124.1	125.3	125.9	126.4	127.0	127.6	127.6	128.1	128.1	128.1
170°	121.3	121.9	122.4	123.0	123.0	123.6	123.6	123.6	124.1	123.6
172.5°	119.0	119.0	119.0	119.6	119.6	119.6	119.6	119.6	119.6	119.0
175°	117.9	117.9	117.3	117.3	117.3	117.3	117.3	116.7	116.1	115.6
177.5°	117.3	116.7	116.7	116.1	116.1	116.1	115.6	115.0	114.4	113.8
180°	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7

(END OF REPORT)