

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: P395849

Luminaire Tested: **I3-WL-30L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395849  
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-30L93050-1D-UNV-W2A-W-4 (3000K)  
Description: CORELITE I3, DOWNLIGHT TRAY  
3000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2223.1 lumens  
Efficiency: N/A  
Efficacy: 84.2 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

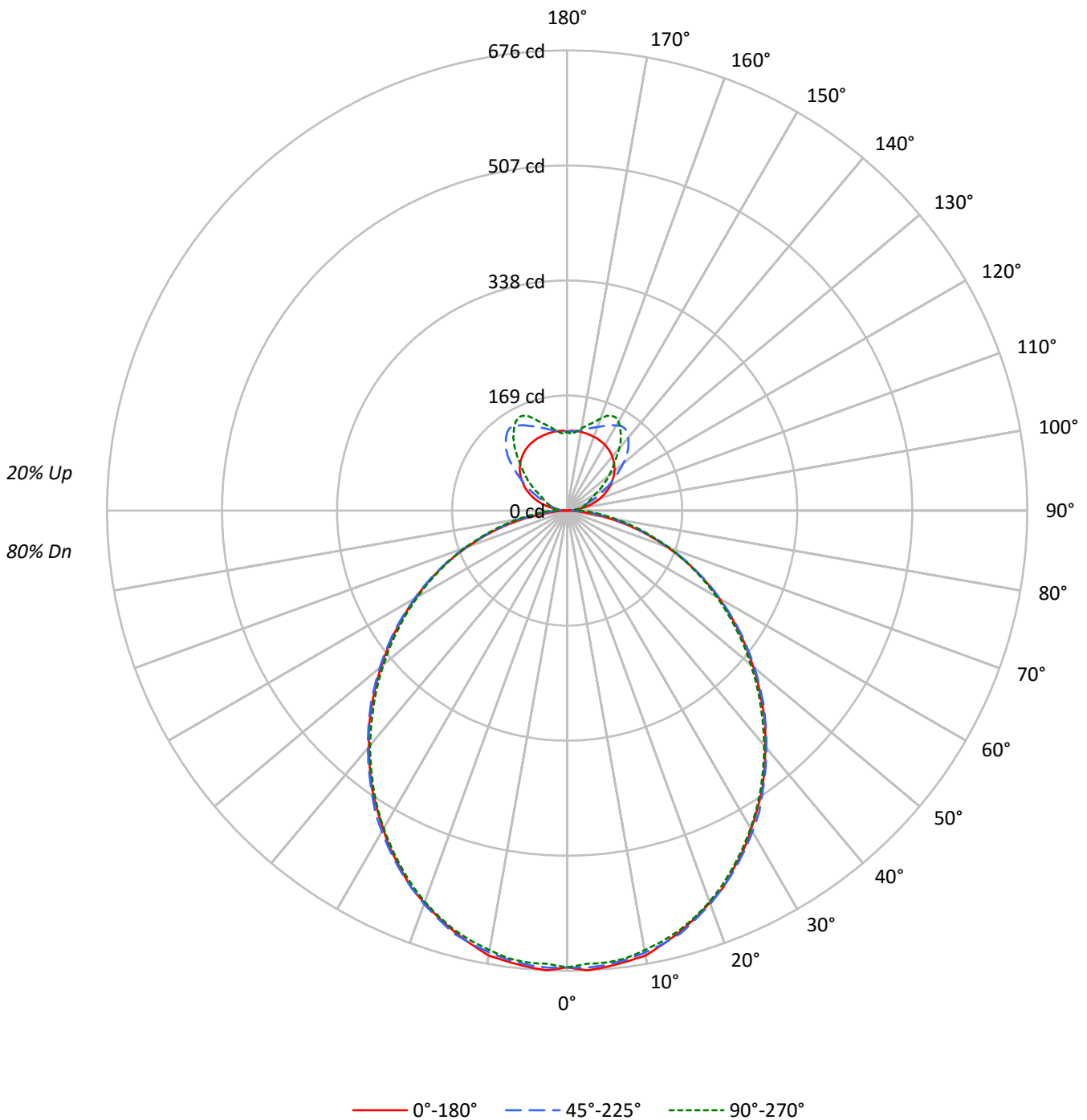
Input Watts (W): 26.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3688	3688	3688
5°	3698	3612	3573
10°	3677	3514	3456
15°	3603	3417	3333
20°	3531	3279	3189
25°	3447	3140	3031
30°	3348	2996	2868
35°	3255	2836	2699
40°	3138	2671	2524
45°	3026	2510	2340
50°	2906	2334	2154
55°	2780	2153	1965
60°	2638	1953	1769
65°	2477	1735	1559
70°	2246	1481	1338
75°	1935	1174	1074
80°	1476	846	802
85°	772	506	543



TEST NUMBER: P395849

CATALOG NUMBER: I3-WL-30L93050-1D-UNV-W2A-W-4 (3000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.4	2.9
10°-20°	179.8	8.1
20°-30°	266.3	12.0
30°-40°	311.2	14.0
40°-50°	312.6	14.1
50°-60°	274.7	12.4
60°-70°	205.8	9.3
70°-80°	117.1	5.3
80°-90°	37.0	1.7
90°-100°	13.3	0.6
100°-110°	32.5	1.5
110°-120°	53.9	2.4
120°-130°	75.7	3.4
130°-140°	87.2	3.9
140°-150°	83.3	3.7
150°-160°	62.6	2.8
160°-170°	35.4	1.6
170°-180°	11.2	0.5
0°-30°	509.5	22.9
0°-40°	820.7	36.9
0°-60°	1408.0	63.3
0°-90°	1767.9	79.5
90°-120°	99.7	4.5
90°-150°	345.9	15.6
90°-180°	455.0	20.5
0°-180°	2223.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	671	671	671	671	671	
5°	673	666	670	668	666	64
15°	640	635	643	639	638	181
25°	580	578	582	580	577	267
35°	500	496	501	497	496	312
45°	406	405	409	404	401	313
55°	308	309	310	306	303	275
65°	208	208	210	208	206	205
75°	106	107	110	114	114	112
85°	18	24	32	40	41	24
90°	1	3	10	15	18	1
95°	10	10	10	11	11	11
105°	38	32	24	26	26	40
115°	62	78	48	39	38	62
125°	82	114	86	69	64	74
135°	98	124	127	105	98	75
145°	108	123	148	141	137	67
155°	114	120	137	152	154	52
165°	116	118	125	130	132	33
175°	118	116	116	116	115	11
180°	116	116	116	116	116	



TEST NUMBER: P395849

CATALOG NUMBER: I3-WL-30L93050-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	671.0	671.0	671.0	671.0	671.0	671.0	671.0	671.0	671.0	671.0	671.0
2.5°	676.1	675.0	672.2	669.3	668.8	668.2	668.2	667.6	667.6	668.8	672.2
5°	672.7	672.2	669.3	666.5	665.9	665.9	665.4	665.4	665.4	666.5	669.9
7.5°	668.2	667.1	664.2	661.4	660.8	660.8	660.8	660.3	660.8	661.4	665.4
10°	663.7	663.1	660.3	656.8	655.7	655.7	655.1	654.0	654.0	655.1	659.1
12.5°	652.3	651.7	648.9	646.6	646.6	647.2	647.2	647.8	647.8	648.9	651.7
15°	640.4	639.8	637.0	634.7	634.7	634.7	634.1	634.1	634.7	638.1	643.2
17.5°	627.3	626.8	624.5	622.2	622.2	622.2	621.6	621.6	622.2	623.9	629.0
20°	613.1	612.6	610.3	608.0	608.0	608.0	607.5	608.0	608.0	610.3	614.8
22.5°	599.5	598.4	595.5	593.3	592.1	592.1	592.1	591.6	592.7	594.4	598.9
25°	579.6	579.1	577.9	576.2	577.4	577.9	576.8	575.7	575.7	577.9	581.9
27.5°	561.5	560.3	558.6	556.9	555.8	556.4	556.9	558.1	559.8	560.3	563.7
30°	540.5	539.9	538.2	535.9	536.5	537.1	537.1	537.1	538.2	543.3	544.4
32.5°	520.0	519.5	517.8	515.5	516.1	516.6	516.1	516.6	517.8	520.0	525.1
35°	499.6	498.5	496.7	496.2	495.6	495.6	495.6	496.2	496.7	498.5	501.3
37.5°	476.3	475.2	474.0	472.3	473.5	474.6	475.2	474.6	475.2	477.4	478.6
40°	453.0	452.5	451.3	450.2	450.8	451.3	450.8	452.5	453.6	454.7	455.3
42.5°	430.9	429.8	428.6	428.1	428.1	428.6	428.6	429.8	429.8	432.6	432.0
45°	405.9	405.3	404.8	404.8	405.3	405.3	405.3	405.9	406.5	408.2	408.8
47.5°	381.5	380.9	380.9	380.9	380.9	381.5	382.1	383.8	382.6	383.2	383.8
50°	357.1	356.5	356.5	356.5	357.7	357.7	358.8	359.4	359.9	358.8	359.4
52.5°	332.1	331.5	332.7	332.7	333.8	333.8	335.5	333.8	335.0	334.4	334.4
55°	307.7	307.1	308.3	307.7	308.8	308.8	310.0	310.5	310.0	310.0	310.0
57.5°	282.7	282.2	282.7	283.3	283.9	283.9	285.6	285.6	283.9	285.0	284.4
60°	257.7	257.2	257.7	258.3	258.9	258.9	259.4	258.3	259.4	260.0	259.4
62.5°	232.8	232.2	233.3	232.8	233.3	233.9	233.9	235.6	235.0	235.0	234.5
65°	207.8	207.2	207.2	207.2	207.8	208.4	208.9	209.5	209.5	210.1	209.5
67.5°	182.2	181.7	182.2	181.7	182.2	182.8	183.9	184.5	184.5	185.1	184.5
70°	156.1	156.7	156.1	156.7	157.3	157.8	158.4	159.5	159.5	159.5	159.5
72.5°	130.6	130.0	130.0	129.4	130.6	131.1	131.7	133.4	133.4	134.0	134.0
75°	105.6	104.5	105.0	104.5	106.7	107.3	107.3	109.0	109.6	110.7	110.1
77.5°	81.2	81.2	80.0	81.8	82.3	83.5	84.6	85.7	86.3	88.0	88.0
80°	57.9	57.9	57.3	58.5	60.7	61.3	63.0	63.6	65.3	66.4	67.0
82.5°	36.9	36.9	36.9	38.6	40.3	40.9	42.6	44.3	45.4	47.1	47.7
85°	18.2	19.3	19.3	21.6	22.7	23.8	24.4	26.7	28.4	30.7	32.4
87.5°	5.7	6.2	6.8	7.9	10.2	10.8	11.9	14.2	15.9	18.2	19.9
90°	0.6	0.6	1.1	1.7	2.8	3.4	4.5	5.7	7.4	9.1	10.2
92.5°	4.0	4.0	4.5	4.5	4.5	4.5	4.5	5.1	5.7	6.8	7.4
95°	9.7	15.3	9.1	8.5	9.7	9.7	10.2	9.7	9.7	9.7	9.7
97.5°	15.9	28.4	18.7	13.1	12.5	13.1	13.1	14.2	14.8	15.3	15.3
100°	23.3	35.8	32.9	21.6	17.6	17.0	17.0	17.0	17.6	18.2	18.7
102.5°	30.7	40.9	47.1	33.5	25.0	22.7	21.6	21.0	20.4	21.0	21.0
105°	38.0	46.0	57.9	45.4	35.8	32.4	29.0	25.0	24.4	24.4	24.4
107.5°	44.8	51.1	65.9	59.0	46.6	43.1	39.2	32.9	29.0	28.4	27.8
110°	51.1	56.2	71.5	70.4	58.5	53.4	50.0	43.1	37.5	33.5	31.8



TEST NUMBER: P395849

CATALOG NUMBER: I3-WL-30L93050-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	56.8	61.3	75.5	80.0	71.5	65.3	60.2	53.4	47.1	42.0	38.0
115°	62.4	66.4	78.9	88.0	82.9	77.8	72.1	63.6	57.3	52.2	47.7
117.5°	68.1	71.5	82.3	93.7	92.5	89.1	84.6	74.4	67.0	61.9	56.8
120°	73.2	76.6	85.7	97.6	101.1	98.2	95.4	86.3	77.2	71.5	67.0
122.5°	77.8	80.6	89.1	101.1	107.3	106.7	103.9	97.6	88.6	81.8	76.1
125°	82.3	85.2	92.5	103.3	111.8	113.5	112.4	107.3	100.5	92.5	85.7
127.5°	86.9	89.1	95.9	105.6	115.2	118.7	119.2	115.8	110.7	103.9	96.5
130°	90.8	93.1	98.8	107.3	117.5	121.5	123.8	123.2	119.2	114.7	107.3
132.5°	94.2	95.9	101.6	109.0	118.7	123.2	126.6	129.4	126.6	123.2	118.1
135°	97.6	99.3	103.9	110.7	119.2	123.8	128.3	132.8	133.4	130.6	126.6
137.5°	100.5	101.6	106.2	111.8	119.2	123.8	128.3	134.5	138.0	136.8	133.4
140°	103.3	104.5	107.9	113.5	119.8	123.8	127.7	135.1	139.7	141.4	139.7
142.5°	105.6	106.7	109.6	114.7	119.8	123.2	127.2	134.0	140.2	143.6	144.8
145°	107.9	108.4	111.3	115.2	119.8	122.6	126.0	132.8	139.1	144.2	147.6
147.5°	109.6	110.1	111.8	115.8	119.8	122.1	124.9	130.6	136.8	142.5	147.6
150°	111.3	111.3	113.0	115.8	119.8	121.5	123.8	128.9	134.0	139.7	144.2
152.5°	112.4	112.4	114.1	116.4	119.2	120.9	123.2	127.2	131.7	136.8	141.4
155°	113.5	113.5	114.7	116.4	119.2	120.4	122.1	125.5	129.4	133.4	137.4
157.5°	114.7	114.7	115.2	116.9	118.7	119.8	121.5	124.3	127.2	130.6	134.0
160°	115.2	115.2	115.8	116.9	118.1	119.2	120.4	122.6	125.5	127.7	130.6
162.5°	115.8	115.8	116.4	116.9	118.1	118.7	119.2	121.5	123.2	125.5	127.7
165°	116.4	116.4	116.4	116.9	117.5	118.1	118.7	119.8	121.5	123.2	124.9
167.5°	116.9	116.9	116.9	116.9	117.5	117.5	118.1	118.7	119.8	120.9	122.1
170°	117.5	116.9	116.9	117.5	116.9	116.9	117.5	118.1	118.1	119.2	119.8
172.5°	117.5	117.5	116.9	116.9	116.9	116.9	116.9	116.9	116.9	117.5	118.1
175°	117.5	117.5	116.9	116.9	116.9	116.4	116.4	116.4	116.4	116.4	116.4
177.5°	117.5	117.5	116.9	116.9	116.4	116.4	116.4	116.4	116.4	116.4	116.4
180°	115.8	115.8	115.8	115.8	115.8	115.8	115.8	115.8	115.8	115.8	115.8



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CATALOG NUMBER: I3-WL-30L93050-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	671.0	671.0	671.0	671.0	671.0	671.0	671.0	671.0	671.0	671.0
2.5°	675.6	672.7	671.6	671.0	670.5	669.9	668.8	667.6	666.5	666.5
5°	672.7	669.9	668.8	668.2	667.6	667.1	666.5	666.5	666.5	666.5
7.5°	668.2	665.4	664.2	663.7	663.7	663.1	663.1	663.1	662.5	663.1
10°	661.4	658.5	658.0	657.4	656.8	655.7	655.7	655.7	655.1	655.7
12.5°	652.9	650.0	649.5	648.9	648.3	647.8	647.8	647.2	647.2	647.8
15°	644.4	640.4	639.2	639.2	638.7	638.1	638.7	638.1	638.1	638.1
17.5°	631.9	630.2	628.5	627.3	626.8	626.2	626.2	625.6	625.6	625.6
20°	615.4	615.4	615.4	612.6	612.0	611.4	611.4	611.4	611.4	611.4
22.5°	599.5	596.7	598.9	597.2	596.1	595.0	595.5	595.5	595.5	595.5
25°	581.9	579.6	580.2	580.8	579.6	577.9	577.9	577.9	577.9	577.4
27.5°	563.2	561.5	560.9	561.5	562.6	561.5	559.8	558.1	558.6	558.6
30°	542.7	542.2	541.6	540.5	541.6	542.2	539.3	538.8	538.8	538.8
32.5°	522.3	521.7	520.0	518.9	519.5	520.6	519.5	518.3	518.3	518.3
35°	501.9	499.6	497.9	497.3	497.3	498.5	497.9	496.2	496.2	496.2
37.5°	478.0	478.6	475.7	475.2	475.2	475.2	476.3	473.5	474.0	473.5
40°	454.7	455.3	453.6	451.9	452.5	451.3	453.0	450.2	450.2	450.2
42.5°	431.5	430.3	430.9	427.5	428.1	428.1	428.6	426.9	426.4	425.8
45°	407.6	406.5	405.9	404.2	404.2	403.6	403.6	401.4	401.4	401.4
47.5°	382.6	382.1	380.9	379.8	379.8	379.2	378.1	377.5	377.0	377.0
50°	358.8	357.1	355.4	356.0	355.4	354.8	353.7	353.1	352.5	352.0
52.5°	333.2	333.2	331.0	331.0	331.0	330.4	329.3	328.1	328.1	327.6
55°	308.3	307.7	306.0	305.4	306.0	305.4	304.3	303.2	303.2	302.6
57.5°	283.3	282.2	281.6	281.6	281.0	281.0	279.3	278.2	278.7	278.2
60°	257.7	257.7	257.2	256.6	256.6	256.0	254.3	254.3	254.3	253.8
62.5°	233.3	233.3	232.2	231.6	232.2	231.6	231.1	230.5	229.9	229.4
65°	207.8	208.4	207.2	207.8	207.8	206.6	206.6	206.1	206.1	205.5
67.5°	183.9	183.9	183.4	183.4	183.9	183.4	183.4	182.8	182.8	182.2
70°	159.5	160.7	160.1	160.1	160.1	159.5	159.5	159.5	159.0	159.5
72.5°	135.1	135.1	135.1	135.1	135.1	135.7	135.7	135.7	135.7	135.1
75°	112.4	113.0	112.4	113.0	113.5	113.5	113.5	113.5	114.1	113.5
77.5°	90.3	90.8	90.8	92.0	92.0	92.0	92.5	92.5	92.5	92.5
80°	69.3	69.8	70.4	71.5	71.5	72.7	73.2	73.2	73.2	73.2
82.5°	50.0	51.7	52.2	53.9	54.5	54.5	55.6	56.2	56.2	56.2
85°	34.6	36.3	37.5	38.6	39.7	39.7	40.9	40.9	41.4	41.4
87.5°	21.6	23.3	24.4	26.1	26.7	27.3	27.8	28.4	29.0	29.0
90°	11.9	13.1	14.2	15.3	15.3	15.9	16.5	17.0	17.6	17.6
92.5°	8.5	9.1	10.2	10.8	10.8	11.4	11.9	11.9	12.5	12.5
95°	9.7	10.2	10.2	10.8	10.8	10.8	11.4	11.4	11.4	11.4
97.5°	14.8	14.8	14.8	14.2	14.2	14.2	14.2	14.2	14.2	14.2
100°	19.3	19.9	19.9	19.9	20.4	20.4	20.4	20.4	19.9	19.9
102.5°	21.6	22.1	22.7	23.3	23.3	23.3	23.8	23.8	23.8	23.8
105°	24.4	24.4	25.0	25.5	25.5	25.5	26.1	26.1	26.1	26.1
107.5°	27.8	27.8	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
110°	31.8	31.8	31.8	31.2	31.8	31.2	31.2	31.2	31.2	31.2





TEST NUMBER: P395849

CATALOG NUMBER: I3-WL-30L93050-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	36.3	35.8	35.8	35.2	35.2	35.2	34.6	34.6	34.6	34.6
115°	43.7	40.9	39.7	38.6	38.6	38.6	38.0	38.0	38.0	38.0
117.5°	52.8	48.8	46.6	44.3	43.7	43.1	42.0	42.0	41.4	41.4
120°	62.4	58.5	55.1	52.2	51.1	50.5	48.8	47.7	46.6	46.6
122.5°	71.5	67.6	64.2	61.3	60.2	59.0	57.3	56.2	55.1	55.1
125°	80.6	76.6	73.2	70.4	68.7	67.6	65.9	64.7	63.6	63.6
127.5°	90.3	85.2	81.8	78.9	77.2	76.6	74.4	73.2	72.1	72.1
130°	101.1	94.8	90.3	86.9	85.7	84.6	82.9	81.8	80.6	80.6
132.5°	111.8	105.6	100.5	95.9	94.2	93.1	90.8	89.7	88.6	88.6
135°	122.1	116.4	111.3	106.7	105.0	103.3	101.1	98.8	97.6	97.6
137.5°	130.0	126.0	121.5	117.5	115.8	114.1	111.8	109.6	107.9	108.4
140°	136.8	133.4	130.6	127.7	126.0	124.9	122.6	120.9	119.2	119.2
142.5°	143.1	140.2	137.4	135.1	134.5	134.0	132.3	130.6	129.4	129.4
145°	148.7	147.0	144.8	141.9	141.4	140.8	139.1	138.0	137.4	137.4
147.5°	150.4	151.0	150.4	148.7	148.2	147.6	146.5	145.3	144.8	144.8
150°	149.3	151.6	152.7	152.7	152.7	152.7	152.7	151.6	151.0	151.0
152.5°	145.9	149.3	151.6	153.3	153.9	154.4	154.4	155.0	154.4	154.4
155°	141.9	145.3	148.7	150.4	151.6	152.1	153.3	153.9	154.4	153.9
157.5°	137.4	140.2	142.5	145.9	147.0	148.2	149.3	150.4	151.0	150.4
160°	133.4	135.7	137.4	139.7	140.2	141.4	142.5	143.1	144.2	143.6
162.5°	129.4	131.1	132.8	134.0	135.1	135.7	136.8	137.4	138.0	137.4
165°	126.6	127.7	128.3	129.4	130.0	130.6	131.1	131.7	131.7	131.7
167.5°	123.2	124.3	124.9	125.5	126.0	126.6	126.6	127.2	127.2	127.2
170°	120.4	120.9	121.5	122.1	122.1	122.6	122.6	122.6	123.2	122.6
172.5°	118.1	118.1	118.1	118.7	118.7	118.7	118.7	118.7	118.7	118.1
175°	116.9	116.9	116.4	116.4	116.4	116.4	116.4	115.8	115.2	114.7
177.5°	116.4	115.8	115.8	115.2	115.2	115.2	114.7	114.1	113.5	113.0
180°	115.8	115.8	115.8	115.8	115.8	115.8	115.8	115.8	115.8	115.8

(END OF REPORT)