

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: P395850

Luminaire Tested: **I3-WL-30L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395850  
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 (3500K)  
Description: CORELITE I3, DOWNLIGHT TRAY  
3000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2428.9 lumens  
Efficiency: N/A  
Efficacy: 92.4 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

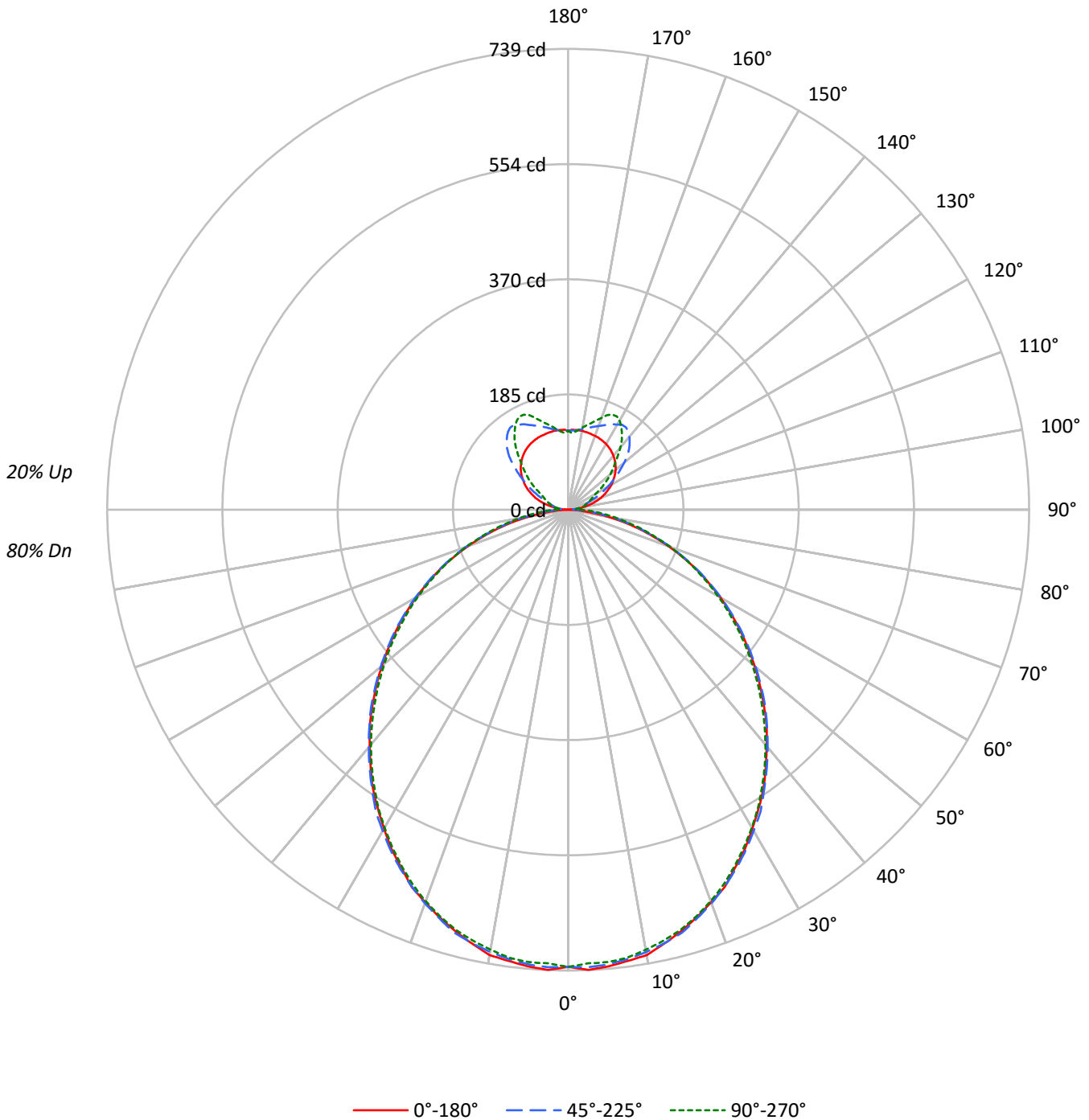
Input Watts (W): 26.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	4029	4029	4029
5°	4040	3946	3904
10°	4017	3839	3776
15°	3936	3733	3642
20°	3859	3582	3485
25°	3766	3431	3311
30°	3658	3273	3133
35°	3556	3098	2949
40°	3429	2918	2758
45°	3307	2743	2556
50°	3175	2550	2354
55°	3037	2353	2146
60°	2883	2134	1933
65°	2705	1896	1703
70°	2455	1619	1462
75°	2115	1283	1174
80°	1614	924	876
85°	840	553	594



TEST NUMBER: P395850

CATALOG NUMBER: I3-WL-30L93050-1D-UNV-W2A-W-4 (3500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.3	2.9
10°-20°	196.5	8.1
20°-30°	290.9	12.0
30°-40°	340.0	14.0
40°-50°	341.5	14.1
50°-60°	300.2	12.4
60°-70°	224.9	9.3
70°-80°	127.9	5.3
80°-90°	40.4	1.7
90°-100°	14.6	0.6
100°-110°	35.5	1.5
110°-120°	58.9	2.4
120°-130°	82.7	3.4
130°-140°	95.3	3.9
140°-150°	91.0	3.7
150°-160°	68.4	2.8
160°-170°	38.7	1.6
170°-180°	12.3	0.5
0°-30°	556.7	22.9
0°-40°	896.6	36.9
0°-60°	1538.3	63.3
0°-90°	1931.5	79.5
90°-120°	109.0	4.5
90°-150°	377.9	15.6
90°-180°	497.0	20.5
0°-180°	2428.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	733	733	733	733	733	
5°	735	728	732	729	728	70
15°	700	693	703	698	697	197
25°	633	631	636	633	631	292
35°	546	542	548	543	542	341
45°	444	443	447	442	438	342
55°	336	337	339	334	331	300
65°	227	228	229	227	224	224
75°	115	117	120	124	124	122
85°	20	26	35	43	45	26
90°	1	4	11	17	19	2
95°	10	10	10	12	12	12
105°	42	35	27	28	28	43
115°	68	85	52	42	42	67
125°	90	124	94	75	70	80
135°	107	135	138	115	107	82
145°	118	134	161	154	150	74
155°	124	132	150	166	168	57
165°	127	129	136	142	144	36
175°	128	127	127	127	125	12
180°	126	126	126	126	126	



TEST NUMBER: P395850

CATALOG NUMBER: I3-WL-30L93050-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	738.7	737.5	734.4	731.3	730.7	730.0	730.0	729.4	729.4	730.7	734.4
5°	735.0	734.4	731.3	728.2	727.6	727.6	726.9	726.9	726.9	728.2	731.9
7.5°	730.0	728.8	725.7	722.6	722.0	722.0	722.0	721.4	722.0	722.6	726.9
10°	725.1	724.5	721.4	717.6	716.4	716.4	715.8	714.5	714.5	715.8	720.1
12.5°	712.7	712.0	708.9	706.5	706.5	707.1	707.1	707.7	707.7	708.9	712.0
15°	699.6	699.0	695.9	693.4	693.4	693.4	692.8	692.8	693.4	697.2	702.7
17.5°	685.4	684.8	682.3	679.8	679.8	679.8	679.2	679.2	679.8	681.7	687.2
20°	669.9	669.3	666.8	664.3	664.3	664.3	663.7	664.3	664.3	666.8	671.7
22.5°	655.0	653.7	650.6	648.2	646.9	646.9	646.9	646.3	647.5	649.4	654.4
25°	633.3	632.7	631.4	629.6	630.8	631.4	630.2	628.9	628.9	631.4	635.8
27.5°	613.4	612.2	610.3	608.5	607.2	607.8	608.5	609.7	611.6	612.2	615.9
30°	590.5	589.9	588.0	585.5	586.1	586.8	586.8	586.8	588.0	593.6	594.8
32.5°	568.2	567.5	565.7	563.2	563.8	564.4	563.8	564.4	565.7	568.2	573.7
35°	545.8	544.6	542.7	542.1	541.5	541.5	541.5	542.1	542.7	544.6	547.7
37.5°	520.4	519.2	517.9	516.0	517.3	518.5	519.2	518.5	519.2	521.6	522.9
40°	495.0	494.3	493.1	491.9	492.5	493.1	492.5	494.3	495.6	496.8	497.4
42.5°	470.8	469.5	468.3	467.7	467.7	468.3	468.3	469.5	469.5	472.6	472.0
45°	443.5	442.9	442.2	442.2	442.9	442.9	442.9	443.5	444.1	446.0	446.6
47.5°	416.8	416.2	416.2	416.2	416.2	416.8	417.4	419.3	418.0	418.7	419.3
50°	390.1	389.5	389.5	389.5	390.8	390.8	392.0	392.6	393.2	392.0	392.6
52.5°	362.8	362.2	363.5	363.5	364.7	364.7	366.6	364.7	365.9	365.3	365.3
55°	336.2	335.6	336.8	336.2	337.4	337.4	338.7	339.3	338.7	338.7	338.7
57.5°	308.9	308.3	308.9	309.5	310.1	310.1	312.0	312.0	310.1	311.4	310.7
60°	281.6	281.0	281.6	282.2	282.8	282.8	283.5	282.2	283.5	284.1	283.5
62.5°	254.3	253.7	254.9	254.3	254.9	255.5	255.5	257.4	256.8	256.8	256.2
65°	227.0	226.4	226.4	226.4	227.0	227.6	228.3	228.9	228.9	229.5	228.9
67.5°	199.1	198.5	199.1	198.5	199.1	199.7	201.0	201.6	201.6	202.2	201.6
70°	170.6	171.2	170.6	171.2	171.8	172.4	173.1	174.3	174.3	174.3	174.3
72.5°	142.7	142.0	142.0	141.4	142.7	143.3	143.9	145.8	145.8	146.4	146.4
75°	115.4	114.1	114.7	114.1	116.6	117.2	117.2	119.1	119.7	120.9	120.3
77.5°	88.7	88.7	87.5	89.3	89.9	91.2	92.4	93.7	94.3	96.1	96.1
80°	63.3	63.3	62.6	63.9	66.4	67.0	68.8	69.5	71.3	72.6	73.2
82.5°	40.3	40.3	40.3	42.2	44.0	44.7	46.5	48.4	49.6	51.5	52.1
85°	19.8	21.1	21.1	23.6	24.8	26.1	26.7	29.2	31.0	33.5	35.4
87.5°	6.2	6.8	7.4	8.7	11.2	11.8	13.0	15.5	17.4	19.8	21.7
90°	0.6	0.6	1.2	1.9	3.1	3.7	5.0	6.2	8.1	9.9	11.2
92.5°	4.3	4.3	5.0	5.0	5.0	5.0	5.0	5.6	6.2	7.4	8.1
95°	10.5	16.7	9.9	9.3	10.5	10.5	11.2	10.5	10.5	10.5	10.5
97.5°	17.4	31.0	20.5	14.3	13.6	14.3	14.3	15.5	16.1	16.7	16.7
100°	25.4	39.1	36.0	23.6	19.2	18.6	18.6	18.6	19.2	19.8	20.5
102.5°	33.5	44.7	51.5	36.6	27.3	24.8	23.6	22.9	22.3	22.9	22.9
105°	41.6	50.2	63.3	49.6	39.1	35.4	31.6	27.3	26.7	26.7	26.7
107.5°	49.0	55.8	71.9	64.5	50.9	47.1	42.8	36.0	31.6	31.0	30.4
110°	55.8	61.4	78.2	76.9	63.9	58.3	54.6	47.1	40.9	36.6	34.7



TEST NUMBER: P395850

CATALOG NUMBER: I3-WL-30L93050-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	62.0	67.0	82.5	87.5	78.2	71.3	65.7	58.3	51.5	45.9	41.6
115°	68.2	72.6	86.2	96.1	90.6	85.0	78.8	69.5	62.6	57.1	52.1
117.5°	74.4	78.2	89.9	102.3	101.1	97.4	92.4	81.3	73.2	67.6	62.0
120°	80.0	83.7	93.7	106.7	110.4	107.3	104.2	94.3	84.4	78.2	73.2
122.5°	85.0	88.1	97.4	110.4	117.2	116.6	113.5	106.7	96.8	89.3	83.1
125°	89.9	93.0	101.1	112.9	122.2	124.1	122.8	117.2	109.8	101.1	93.7
127.5°	94.9	97.4	104.8	115.4	125.9	129.6	130.3	126.5	120.9	113.5	105.4
130°	99.2	101.7	107.9	117.2	128.4	132.7	135.2	134.6	130.3	125.3	117.2
132.5°	103.0	104.8	111.0	119.1	129.6	134.6	138.3	141.4	138.3	134.6	129.0
135°	106.7	108.5	113.5	120.9	130.3	135.2	140.2	145.1	145.8	142.7	138.3
137.5°	109.8	111.0	116.0	122.2	130.3	135.2	140.2	147.0	150.7	149.5	145.8
140°	112.9	114.1	117.8	124.1	130.9	135.2	139.6	147.6	152.6	154.4	152.6
142.5°	115.4	116.6	119.7	125.3	130.9	134.6	138.9	146.4	153.2	156.9	158.2
145°	117.8	118.5	121.6	125.9	130.9	134.0	137.7	145.1	152.0	157.5	161.3
147.5°	119.7	120.3	122.2	126.5	130.9	133.4	136.5	142.7	149.5	155.7	161.3
150°	121.6	121.6	123.4	126.5	130.9	132.7	135.2	140.8	146.4	152.6	157.5
152.5°	122.8	122.8	124.7	127.2	130.3	132.1	134.6	138.9	143.9	149.5	154.4
155°	124.1	124.1	125.3	127.2	130.3	131.5	133.4	137.1	141.4	145.8	150.1
157.5°	125.3	125.3	125.9	127.8	129.6	130.9	132.7	135.8	138.9	142.7	146.4
160°	125.9	125.9	126.5	127.8	129.0	130.3	131.5	134.0	137.1	139.6	142.7
162.5°	126.5	126.5	127.2	127.8	129.0	129.6	130.3	132.7	134.6	137.1	139.6
165°	127.2	127.2	127.2	127.8	128.4	129.0	129.6	130.9	132.7	134.6	136.5
167.5°	127.8	127.8	127.8	127.8	128.4	128.4	129.0	129.6	130.9	132.1	133.4
170°	128.4	127.8	127.8	128.4	127.8	127.8	128.4	129.0	129.0	130.3	130.9
172.5°	128.4	128.4	127.8	127.8	127.8	127.8	127.8	127.8	127.8	128.4	129.0
175°	128.4	128.4	127.8	127.8	127.8	127.2	127.2	127.2	127.2	127.2	127.2
177.5°	128.4	128.4	127.8	127.8	127.2	127.2	127.2	127.2	127.2	127.2	127.2
180°	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5



TEST NUMBER: P395850

CATALOG NUMBER: I3-WL-30L93050-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	738.1	735.0	733.8	733.1	732.5	731.9	730.7	729.4	728.2	728.2
5°	735.0	731.9	730.7	730.0	729.4	728.8	728.2	728.2	728.2	728.2
7.5°	730.0	726.9	725.7	725.1	725.1	724.5	724.5	724.5	723.8	724.5
10°	722.6	719.5	718.9	718.3	717.6	716.4	716.4	716.4	715.8	716.4
12.5°	713.3	710.2	709.6	708.9	708.3	707.7	707.7	707.1	707.1	707.7
15°	704.0	699.6	698.4	698.4	697.8	697.2	697.8	697.2	697.2	697.2
17.5°	690.3	688.5	686.6	685.4	684.8	684.1	684.1	683.5	683.5	683.5
20°	672.4	672.4	672.4	669.3	668.6	668.0	668.0	668.0	668.0	668.0
22.5°	655.0	651.9	654.4	652.5	651.3	650.0	650.6	650.6	650.6	650.6
25°	635.8	633.3	633.9	634.5	633.3	631.4	631.4	631.4	631.4	630.8
27.5°	615.3	613.4	612.8	613.4	614.7	613.4	611.6	609.7	610.3	610.3
30°	593.0	592.3	591.7	590.5	591.7	592.3	589.2	588.6	588.6	588.6
32.5°	570.6	570.0	568.2	566.9	567.5	568.8	567.5	566.3	566.3	566.3
35°	548.3	545.8	544.0	543.3	543.3	544.6	544.0	542.1	542.1	542.1
37.5°	522.3	522.9	519.8	519.2	519.2	519.2	520.4	517.3	517.9	517.3
40°	496.8	497.4	495.6	493.7	494.3	493.1	495.0	491.9	491.9	491.9
42.5°	471.4	470.2	470.8	467.0	467.7	467.7	468.3	466.4	465.8	465.2
45°	445.3	444.1	443.5	441.6	441.6	441.0	441.0	438.5	438.5	438.5
47.5°	418.0	417.4	416.2	414.9	414.9	414.3	413.1	412.5	411.8	411.8
50°	392.0	390.1	388.3	388.9	388.3	387.7	386.4	385.8	385.2	384.6
52.5°	364.1	364.1	361.6	361.6	361.6	361.0	359.7	358.5	358.5	357.9
55°	336.8	336.2	334.3	333.7	334.3	333.7	332.5	331.2	331.2	330.6
57.5°	309.5	308.3	307.6	307.6	307.0	307.0	305.2	303.9	304.5	303.9
60°	281.6	281.6	281.0	280.4	280.4	279.7	277.9	277.9	277.9	277.3
62.5°	254.9	254.9	253.7	253.1	253.7	253.1	252.4	251.8	251.2	250.6
65°	227.0	227.6	226.4	227.0	227.0	225.8	225.8	225.2	225.2	224.5
67.5°	201.0	201.0	200.3	200.3	201.0	200.3	200.3	199.7	199.7	199.1
70°	174.3	175.5	174.9	174.9	174.9	174.3	174.3	174.3	173.7	174.3
72.5°	147.6	147.6	147.6	147.6	147.6	148.2	148.2	148.2	148.2	147.6
75°	122.8	123.4	122.8	123.4	124.1	124.1	124.1	124.1	124.7	124.1
77.5°	98.6	99.2	99.2	100.5	100.5	100.5	101.1	101.1	101.1	101.1
80°	75.7	76.3	76.9	78.2	78.2	79.4	80.0	80.0	80.0	80.0
82.5°	54.6	56.4	57.1	58.9	59.5	59.5	60.8	61.4	61.4	61.4
85°	37.8	39.7	40.9	42.2	43.4	43.4	44.7	44.7	45.3	45.3
87.5°	23.6	25.4	26.7	28.5	29.2	29.8	30.4	31.0	31.6	31.6
90°	13.0	14.3	15.5	16.7	16.7	17.4	18.0	18.6	19.2	19.2
92.5°	9.3	9.9	11.2	11.8	11.8	12.4	13.0	13.0	13.6	13.6
95°	10.5	11.2	11.2	11.8	11.8	11.8	12.4	12.4	12.4	12.4
97.5°	16.1	16.1	16.1	15.5	15.5	15.5	15.5	15.5	15.5	15.5
100°	21.1	21.7	21.7	21.7	22.3	22.3	22.3	22.3	21.7	21.7
102.5°	23.6	24.2	24.8	25.4	25.4	25.4	26.1	26.1	26.1	26.1
105°	26.7	26.7	27.3	27.9	27.9	27.9	28.5	28.5	28.5	28.5
107.5°	30.4	30.4	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
110°	34.7	34.7	34.7	34.1	34.7	34.1	34.1	34.1	34.1	34.1





TEST NUMBER: P395850

CATALOG NUMBER: I3-WL-30L93050-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	39.7	39.1	39.1	38.5	38.5	38.5	37.8	37.8	37.8	37.8
115°	47.8	44.7	43.4	42.2	42.2	42.2	41.6	41.6	41.6	41.6
117.5°	57.7	53.3	50.9	48.4	47.8	47.1	45.9	45.9	45.3	45.3
120°	68.2	63.9	60.2	57.1	55.8	55.2	53.3	52.1	50.9	50.9
122.5°	78.2	73.8	70.1	67.0	65.7	64.5	62.6	61.4	60.2	60.2
125°	88.1	83.7	80.0	76.9	75.1	73.8	71.9	70.7	69.5	69.5
127.5°	98.6	93.0	89.3	86.2	84.4	83.7	81.3	80.0	78.8	78.8
130°	110.4	103.6	98.6	94.9	93.7	92.4	90.6	89.3	88.1	88.1
132.5°	122.2	115.4	109.8	104.8	103.0	101.7	99.2	98.0	96.8	96.8
135°	133.4	127.2	121.6	116.6	114.7	112.9	110.4	107.9	106.7	106.7
137.5°	142.0	137.7	132.7	128.4	126.5	124.7	122.2	119.7	117.8	118.5
140°	149.5	145.8	142.7	139.6	137.7	136.5	134.0	132.1	130.3	130.3
142.5°	156.3	153.2	150.1	147.6	147.0	146.4	144.5	142.7	141.4	141.4
145°	162.5	160.6	158.2	155.1	154.4	153.8	152.0	150.7	150.1	150.1
147.5°	164.4	165.0	164.4	162.5	161.9	161.3	160.0	158.8	158.2	158.2
150°	163.1	165.6	166.8	166.8	166.8	166.8	166.8	165.6	165.0	165.0
152.5°	159.4	163.1	165.6	167.5	168.1	168.7	168.7	169.3	168.7	168.7
155°	155.1	158.8	162.5	164.4	165.6	166.2	167.5	168.1	168.7	168.1
157.5°	150.1	153.2	155.7	159.4	160.6	161.9	163.1	164.4	165.0	164.4
160°	145.8	148.2	150.1	152.6	153.2	154.4	155.7	156.3	157.5	156.9
162.5°	141.4	143.3	145.1	146.4	147.6	148.2	149.5	150.1	150.7	150.1
165°	138.3	139.6	140.2	141.4	142.0	142.7	143.3	143.9	143.9	143.9
167.5°	134.6	135.8	136.5	137.1	137.7	138.3	138.3	138.9	138.9	138.9
170°	131.5	132.1	132.7	133.4	133.4	134.0	134.0	134.0	134.6	134.0
172.5°	129.0	129.0	129.0	129.6	129.6	129.6	129.6	129.6	129.6	129.0
175°	127.8	127.8	127.2	127.2	127.2	127.2	127.2	126.5	125.9	125.3
177.5°	127.2	126.5	126.5	125.9	125.9	125.9	125.3	124.7	124.1	123.4
180°	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5

(END OF REPORT)