

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: P395852

Luminaire Tested: **I3-WL-30L93050-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395852  
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 (4500K)  
Description: CORELITE I3, DOWNLIGHT TRAY  
3000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2668.9 lumens  
Efficiency: N/A  
Efficacy: 99.2 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

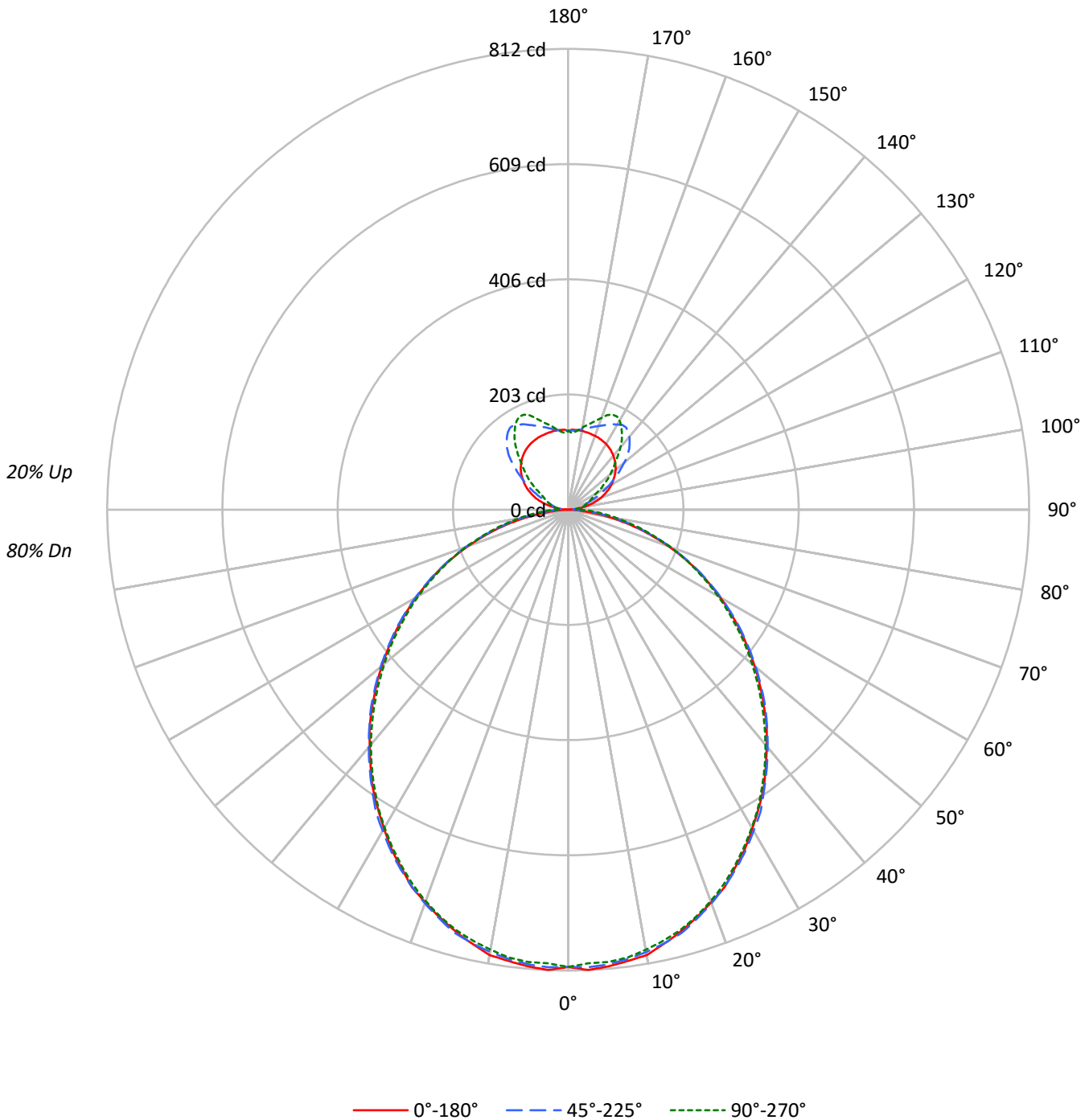
Input Watts (W): 26.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	4428	4428	4428
5°	4439	4336	4289
10°	4413	4219	4150
15°	4325	4102	4002
20°	4240	3936	3829
25°	4138	3770	3638
30°	4019	3596	3443
35°	3908	3404	3241
40°	3768	3207	3031
45°	3633	3013	2809
50°	3489	2801	2586
55°	3337	2585	2359
60°	3168	2345	2124
65°	2972	2083	1871
70°	2696	1779	1606
75°	2324	1409	1290
80°	1772	1015	963
85°	925	606	653



TEST NUMBER: P395852

CATALOG NUMBER: I3-WL-30L93050-1D-UNV-W2A-W-4 (4500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.1	2.9
10°-20°	215.9	8.1
20°-30°	319.7	12.0
30°-40°	373.6	14.0
40°-50°	375.3	14.1
50°-60°	329.8	12.4
60°-70°	247.1	9.3
70°-80°	140.5	5.3
80°-90°	44.4	1.7
90°-100°	16.0	0.6
100°-110°	39.0	1.5
110°-120°	64.8	2.4
120°-130°	90.8	3.4
130°-140°	104.7	3.9
140°-150°	100.0	3.7
150°-160°	75.2	2.8
160°-170°	42.6	1.6
170°-180°	13.5	0.5
0°-30°	611.7	22.9
0°-40°	985.3	36.9
0°-60°	1690.4	63.3
0°-90°	2122.4	79.5
90°-120°	119.7	4.5
90°-150°	415.3	15.6
90°-180°	546.0	20.5
0°-180°	2668.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	806	806	806	806	806	
5°	808	800	804	802	800	77
15°	769	762	772	767	766	217
25°	696	694	699	696	693	321
35°	600	595	602	597	596	374
45°	487	487	491	485	482	376
55°	369	371	372	367	363	330
65°	249	250	252	249	247	246
75°	127	129	132	136	136	134
85°	22	29	39	48	50	28
90°	1	4	12	18	21	2
95°	12	12	12	13	14	13
105°	46	39	29	31	31	48
115°	75	93	57	46	46	74
125°	99	136	103	82	76	88
135°	117	149	152	126	117	90
145°	130	147	177	170	165	81
155°	136	144	165	182	185	63
165°	140	142	150	156	158	40
175°	141	140	140	140	138	13
180°	139	139	139	139	139	



TEST NUMBER: P395852

CATALOG NUMBER: I3-WL-30L93050-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6
2.5°	811.7	810.4	807.0	803.5	802.9	802.2	802.2	801.5	801.5	802.9	807.0
5°	807.6	807.0	803.5	800.1	799.5	799.5	798.8	798.8	798.8	800.1	804.2
7.5°	802.2	800.8	797.4	794.0	793.3	793.3	793.3	792.6	793.3	794.0	798.8
10°	796.7	796.0	792.6	788.6	787.2	787.2	786.5	785.1	785.1	786.5	791.3
12.5°	783.1	782.4	779.0	776.3	776.3	777.0	777.0	777.6	777.6	779.0	782.4
15°	768.8	768.1	764.7	762.0	762.0	762.0	761.3	761.3	762.0	766.1	772.2
17.5°	753.1	752.4	749.7	747.0	747.0	747.0	746.3	746.3	747.0	749.0	755.2
20°	736.1	735.4	732.7	729.9	729.9	729.9	729.3	729.9	729.9	732.7	738.1
22.5°	719.7	718.4	714.9	712.2	710.9	710.9	710.9	710.2	711.5	713.6	719.0
25°	695.9	695.2	693.8	691.8	693.1	693.8	692.5	691.1	691.1	693.8	698.6
27.5°	674.1	672.7	670.6	668.6	667.2	667.9	668.6	670.0	672.0	672.7	676.8
30°	648.8	648.2	646.1	643.4	644.1	644.7	644.7	644.7	646.1	652.2	653.6
32.5°	624.3	623.6	621.6	618.8	619.5	620.2	619.5	620.2	621.6	624.3	630.4
35°	599.8	598.4	596.4	595.7	595.0	595.0	595.0	595.7	596.4	598.4	601.8
37.5°	571.8	570.5	569.1	567.0	568.4	569.8	570.5	569.8	570.5	573.2	574.5
40°	543.9	543.2	541.8	540.5	541.1	541.8	541.1	543.2	544.6	545.9	546.6
42.5°	517.3	515.9	514.6	513.9	513.9	514.6	514.6	515.9	515.9	519.3	518.7
45°	487.3	486.6	485.9	485.9	486.6	486.6	486.6	487.3	488.0	490.0	490.7
47.5°	458.0	457.3	457.3	457.3	457.3	458.0	458.7	460.7	459.4	460.0	460.7
50°	428.7	428.0	428.0	428.0	429.4	429.4	430.7	431.4	432.1	430.7	431.4
52.5°	398.7	398.0	399.4	399.4	400.7	400.7	402.8	400.7	402.1	401.4	401.4
55°	369.4	368.7	370.1	369.4	370.8	370.8	372.1	372.8	372.1	372.1	372.1
57.5°	339.4	338.7	339.4	340.1	340.8	340.8	342.8	342.8	340.8	342.1	341.5
60°	309.4	308.7	309.4	310.1	310.8	310.8	311.5	310.1	311.5	312.1	311.5
62.5°	279.4	278.8	280.1	279.4	280.1	280.8	280.8	282.8	282.2	282.2	281.5
65°	249.4	248.8	248.8	248.8	249.4	250.1	250.8	251.5	251.5	252.2	251.5
67.5°	218.8	218.1	218.8	218.1	218.8	219.5	220.8	221.5	221.5	222.2	221.5
70°	187.4	188.1	187.4	188.1	188.8	189.5	190.2	191.5	191.5	191.5	191.5
72.5°	156.8	156.1	156.1	155.4	156.8	157.4	158.1	160.2	160.2	160.8	160.8
75°	126.8	125.4	126.1	125.4	128.1	128.8	128.8	130.9	131.5	132.9	132.2
77.5°	97.5	97.5	96.1	98.1	98.8	100.2	101.6	102.9	103.6	105.6	105.6
80°	69.5	69.5	68.8	70.2	72.9	73.6	75.7	76.3	78.4	79.7	80.4
82.5°	44.3	44.3	44.3	46.3	48.4	49.1	51.1	53.2	54.5	56.6	57.2
85°	21.8	23.2	23.2	25.9	27.3	28.6	29.3	32.0	34.1	36.8	38.8
87.5°	6.8	7.5	8.2	9.5	12.3	12.9	14.3	17.0	19.1	21.8	23.9
90°	0.7	0.7	1.4	2.0	3.4	4.1	5.5	6.8	8.9	10.9	12.3
92.5°	4.8	4.8	5.5	5.5	5.5	5.5	5.5	6.1	6.8	8.2	8.9
95°	11.6	18.4	10.9	10.2	11.6	11.6	12.3	11.6	11.6	11.6	11.6
97.5°	19.1	34.1	22.5	15.7	15.0	15.7	15.7	17.0	17.7	18.4	18.4
100°	27.9	42.9	39.5	25.9	21.1	20.4	20.4	20.4	21.1	21.8	22.5
102.5°	36.8	49.1	56.6	40.2	30.0	27.3	25.9	25.2	24.5	25.2	25.2
105°	45.7	55.2	69.5	54.5	42.9	38.8	34.8	30.0	29.3	29.3	29.3
107.5°	53.8	61.3	79.1	70.9	55.9	51.8	47.0	39.5	34.8	34.1	33.4
110°	61.3	67.5	85.9	84.5	70.2	64.1	60.0	51.8	45.0	40.2	38.2



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CATALOG NUMBER: I3-WL-30L93050-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	68.2	73.6	90.6	96.1	85.9	78.4	72.2	64.1	56.6	50.4	45.7
115°	75.0	79.7	94.7	105.6	99.5	93.4	86.6	76.3	68.8	62.7	57.2
117.5°	81.8	85.9	98.8	112.5	111.1	107.0	101.6	89.3	80.4	74.3	68.2
120°	87.9	92.0	102.9	117.2	121.3	117.9	114.5	103.6	92.7	85.9	80.4
122.5°	93.4	96.8	107.0	121.3	128.8	128.1	124.7	117.2	106.3	98.1	91.3
125°	98.8	102.2	111.1	124.0	134.3	136.3	134.9	128.8	120.6	111.1	102.9
127.5°	104.3	107.0	115.2	126.8	138.4	142.4	143.1	139.0	132.9	124.7	115.9
130°	109.0	111.8	118.6	128.8	141.1	145.9	148.6	147.9	143.1	137.7	128.8
132.5°	113.1	115.2	122.0	130.9	142.4	147.9	152.0	155.4	152.0	147.9	141.8
135°	117.2	119.3	124.7	132.9	143.1	148.6	154.0	159.5	160.2	156.8	152.0
137.5°	120.6	122.0	127.4	134.3	143.1	148.6	154.0	161.5	165.6	164.3	160.2
140°	124.0	125.4	129.5	136.3	143.8	148.6	153.3	162.2	167.7	169.7	167.7
142.5°	126.8	128.1	131.5	137.7	143.8	147.9	152.7	160.8	168.3	172.4	173.8
145°	129.5	130.2	133.6	138.4	143.8	147.2	151.3	159.5	167.0	173.1	177.2
147.5°	131.5	132.2	134.3	139.0	143.8	146.5	149.9	156.8	164.3	171.1	177.2
150°	133.6	133.6	135.6	139.0	143.8	145.9	148.6	154.7	160.8	167.7	173.1
152.5°	134.9	134.9	137.0	139.7	143.1	145.2	147.9	152.7	158.1	164.3	169.7
155°	136.3	136.3	137.7	139.7	143.1	144.5	146.5	150.6	155.4	160.2	164.9
157.5°	137.7	137.7	138.4	140.4	142.4	143.8	145.9	149.3	152.7	156.8	160.8
160°	138.4	138.4	139.0	140.4	141.8	143.1	144.5	147.2	150.6	153.3	156.8
162.5°	139.0	139.0	139.7	140.4	141.8	142.4	143.1	145.9	147.9	150.6	153.3
165°	139.7	139.7	139.7	140.4	141.1	141.8	142.4	143.8	145.9	147.9	149.9
167.5°	140.4	140.4	140.4	140.4	141.1	141.1	141.8	142.4	143.8	145.2	146.5
170°	141.1	140.4	140.4	141.1	140.4	140.4	141.1	141.8	141.8	143.1	143.8
172.5°	141.1	141.1	140.4	140.4	140.4	140.4	140.4	140.4	140.4	141.1	141.8
175°	141.1	141.1	140.4	140.4	140.4	139.7	139.7	139.7	139.7	139.7	139.7
177.5°	141.1	141.1	140.4	140.4	139.7	139.7	139.7	139.7	139.7	139.7	139.7
180°	139.0	139.0	139.0	139.0	139.0	139.0	139.0	139.0	139.0	139.0	139.0



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6
2.5°	811.0	807.6	806.3	805.6	804.9	804.2	802.9	801.5	800.1	800.1
5°	807.6	804.2	802.9	802.2	801.5	800.8	800.1	800.1	800.1	800.1
7.5°	802.2	798.8	797.4	796.7	796.7	796.0	796.0	796.0	795.4	796.0
10°	794.0	790.6	789.9	789.2	788.6	787.2	787.2	787.2	786.5	787.2
12.5°	783.8	780.4	779.7	779.0	778.3	777.6	777.6	777.0	777.0	777.6
15°	773.6	768.8	767.4	767.4	766.7	766.1	766.7	766.1	766.1	766.1
17.5°	758.6	756.5	754.5	753.1	752.4	751.7	751.7	751.1	751.1	751.1
20°	738.8	738.8	738.8	735.4	734.7	734.0	734.0	734.0	734.0	734.0
22.5°	719.7	716.3	719.0	717.0	715.6	714.3	714.9	714.9	714.9	714.9
25°	698.6	695.9	696.5	697.2	695.9	693.8	693.8	693.8	693.8	693.1
27.5°	676.1	674.1	673.4	674.1	675.4	674.1	672.0	670.0	670.6	670.6
30°	651.6	650.9	650.2	648.8	650.2	650.9	647.5	646.8	646.8	646.8
32.5°	627.0	626.3	624.3	622.9	623.6	625.0	623.6	622.3	622.3	622.3
35°	602.5	599.8	597.7	597.0	597.0	598.4	597.7	595.7	595.7	595.7
37.5°	573.9	574.5	571.1	570.5	570.5	570.5	571.8	568.4	569.1	568.4
40°	545.9	546.6	544.6	542.5	543.2	541.8	543.9	540.5	540.5	540.5
42.5°	518.0	516.6	517.3	513.2	513.9	513.9	514.6	512.5	511.8	511.2
45°	489.4	488.0	487.3	485.3	485.3	484.6	484.6	481.9	481.9	481.9
47.5°	459.4	458.7	457.3	456.0	456.0	455.3	453.9	453.2	452.5	452.5
50°	430.7	428.7	426.6	427.3	426.6	426.0	424.6	423.9	423.2	422.6
52.5°	400.1	400.1	397.3	397.3	397.3	396.7	395.3	393.9	393.9	393.3
55°	370.1	369.4	367.4	366.7	367.4	366.7	365.3	363.9	363.9	363.3
57.5°	340.1	338.7	338.0	338.0	337.4	337.4	335.3	334.0	334.6	334.0
60°	309.4	309.4	308.7	308.1	308.1	307.4	305.3	305.3	305.3	304.7
62.5°	280.1	280.1	278.8	278.1	278.8	278.1	277.4	276.7	276.0	275.3
65°	249.4	250.1	248.8	249.4	249.4	248.1	248.1	247.4	247.4	246.7
67.5°	220.8	220.8	220.1	220.1	220.8	220.1	220.1	219.5	219.5	218.8
70°	191.5	192.9	192.2	192.2	192.2	191.5	191.5	191.5	190.8	191.5
72.5°	162.2	162.2	162.2	162.2	162.2	162.9	162.9	162.9	162.9	162.2
75°	134.9	135.6	134.9	135.6	136.3	136.3	136.3	136.3	137.0	136.3
77.5°	108.4	109.0	109.0	110.4	110.4	110.4	111.1	111.1	111.1	111.1
80°	83.1	83.8	84.5	85.9	85.9	87.2	87.9	87.9	87.9	87.9
82.5°	60.0	62.0	62.7	64.7	65.4	65.4	66.8	67.5	67.5	67.5
85°	41.6	43.6	45.0	46.3	47.7	47.7	49.1	49.1	49.8	49.8
87.5°	25.9	27.9	29.3	31.4	32.0	32.7	33.4	34.1	34.8	34.8
90°	14.3	15.7	17.0	18.4	18.4	19.1	19.8	20.4	21.1	21.1
92.5°	10.2	10.9	12.3	12.9	12.9	13.6	14.3	14.3	15.0	15.0
95°	11.6	12.3	12.3	12.9	12.9	12.9	13.6	13.6	13.6	13.6
97.5°	17.7	17.7	17.7	17.0	17.0	17.0	17.0	17.0	17.0	17.0
100°	23.2	23.9	23.9	23.9	24.5	24.5	24.5	24.5	23.9	23.9
102.5°	25.9	26.6	27.3	27.9	27.9	27.9	28.6	28.6	28.6	28.6
105°	29.3	29.3	30.0	30.7	30.7	30.7	31.4	31.4	31.4	31.4
107.5°	33.4	33.4	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
110°	38.2	38.2	38.2	37.5	38.2	37.5	37.5	37.5	37.5	37.5





TEST NUMBER: P395852

CATALOG NUMBER: I3-WL-30L93050-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	43.6	42.9	42.9	42.3	42.3	42.3	41.6	41.6	41.6	41.6
115°	52.5	49.1	47.7	46.3	46.3	46.3	45.7	45.7	45.7	45.7
117.5°	63.4	58.6	55.9	53.2	52.5	51.8	50.4	50.4	49.8	49.8
120°	75.0	70.2	66.1	62.7	61.3	60.7	58.6	57.2	55.9	55.9
122.5°	85.9	81.1	77.0	73.6	72.2	70.9	68.8	67.5	66.1	66.1
125°	96.8	92.0	87.9	84.5	82.5	81.1	79.1	77.7	76.3	76.3
127.5°	108.4	102.2	98.1	94.7	92.7	92.0	89.3	87.9	86.6	86.6
130°	121.3	113.8	108.4	104.3	102.9	101.6	99.5	98.1	96.8	96.8
132.5°	134.3	126.8	120.6	115.2	113.1	111.8	109.0	107.7	106.3	106.3
135°	146.5	139.7	133.6	128.1	126.1	124.0	121.3	118.6	117.2	117.2
137.5°	156.1	151.3	145.9	141.1	139.0	137.0	134.3	131.5	129.5	130.2
140°	164.3	160.2	156.8	153.3	151.3	149.9	147.2	145.2	143.1	143.1
142.5°	171.7	168.3	164.9	162.2	161.5	160.8	158.8	156.8	155.4	155.4
145°	178.6	176.5	173.8	170.4	169.7	169.0	167.0	165.6	164.9	164.9
147.5°	180.6	181.3	180.6	178.6	177.9	177.2	175.8	174.5	173.8	173.8
150°	179.2	182.0	183.3	183.3	183.3	183.3	183.3	182.0	181.3	181.3
152.5°	175.2	179.2	182.0	184.0	184.7	185.4	185.4	186.1	185.4	185.4
155°	170.4	174.5	178.6	180.6	182.0	182.7	184.0	184.7	185.4	184.7
157.5°	164.9	168.3	171.1	175.2	176.5	177.9	179.2	180.6	181.3	180.6
160°	160.2	162.9	164.9	167.7	168.3	169.7	171.1	171.7	173.1	172.4
162.5°	155.4	157.4	159.5	160.8	162.2	162.9	164.3	164.9	165.6	164.9
165°	152.0	153.3	154.0	155.4	156.1	156.8	157.4	158.1	158.1	158.1
167.5°	147.9	149.3	149.9	150.6	151.3	152.0	152.0	152.7	152.7	152.7
170°	144.5	145.2	145.9	146.5	146.5	147.2	147.2	147.2	147.9	147.2
172.5°	141.8	141.8	141.8	142.4	142.4	142.4	142.4	142.4	142.4	141.8
175°	140.4	140.4	139.7	139.7	139.7	139.7	139.7	139.0	138.4	137.7
177.5°	139.7	139.0	139.0	138.4	138.4	138.4	137.7	137.0	136.3	135.6
180°	139.0	139.0	139.0	139.0	139.0	139.0	139.0	139.0	139.0	139.0

(END OF REPORT)