

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: P395832

Luminaire Tested: **I3-WL-30L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395832  
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-30L82765-1D-UNV-W2A-W-4 (4500K)  
Description: CORELITE I3, DOWNLIGHT TRAY  
3000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2903.2 lumens  
Efficiency: N/A  
Efficacy: 110.4 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

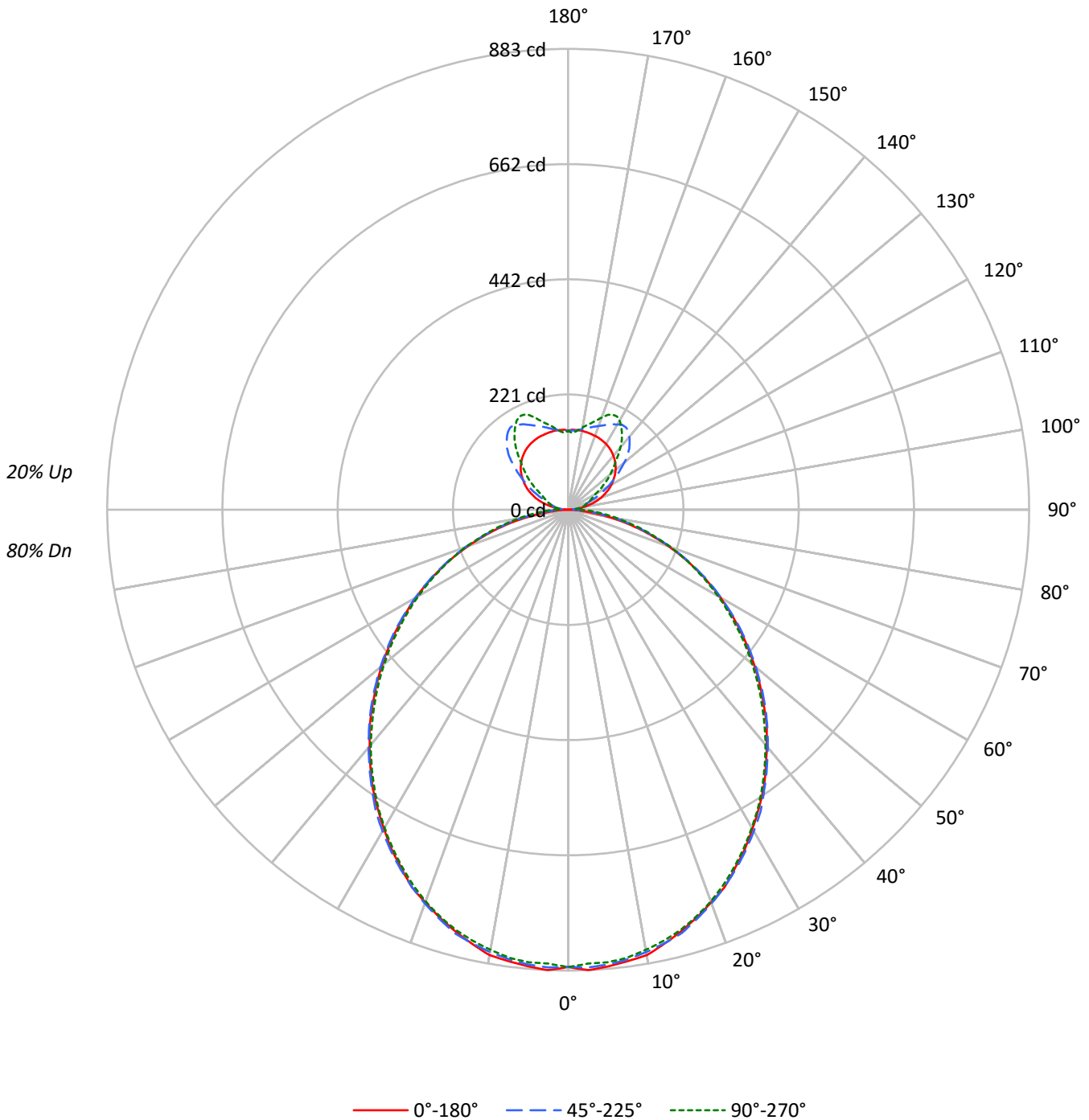
Input Watts (W): 26.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P395832

CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (4500K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395832

CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (4500K)

**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°	4817	4817	4817
5°	4829	4717	4666
10°	4801	4589	4514
15°	4705	4462	4353
20°	4612	4282	4165
25°	4502	4100	3958
30°	4372	3912	3745
35°	4251	3703	3525
40°	4098	3488	3296
45°	3952	3278	3056
50°	3795	3048	2813
55°	3630	2812	2566
60°	3446	2550	2310
65°	3233	2266	2036
70°	2934	1935	1747
75°	2527	1533	1403
80°	1928	1105	1047
85°	1006	661	709



TEST NUMBER: P395832

CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (4500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.8	2.9
10°-20°	234.8	8.1
20°-30°	347.7	12.0
30°-40°	406.4	14.0
40°-50°	408.2	14.1
50°-60°	358.8	12.4
60°-70°	268.8	9.3
70°-80°	152.9	5.3
80°-90°	48.3	1.7
90°-100°	17.4	0.6
100°-110°	42.4	1.5
110°-120°	70.4	2.4
120°-130°	98.8	3.4
130°-140°	113.9	3.9
140°-150°	108.8	3.7
150°-160°	81.8	2.8
160°-170°	46.3	1.6
170°-180°	14.7	0.5
0°-30°	665.4	22.9
0°-40°	1071.8	36.9
0°-60°	1838.8	63.3
0°-90°	2308.7	79.5
90°-120°	130.2	4.5
90°-150°	451.7	15.6
90°-180°	594.0	20.5
0°-180°	2903.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	876	876	876	876	876	
5°	878	870	875	872	870	83
15°	836	829	840	834	833	236
25°	757	755	760	757	754	349
35°	652	647	655	650	648	407
45°	530	529	534	528	524	409
55°	402	403	405	400	395	359
65°	271	272	274	271	268	268
75°	138	140	144	148	148	146
85°	24	31	42	52	54	31
90°	1	4	13	20	23	2
95°	13	13	13	14	15	14
105°	50	42	32	33	34	52
115°	82	102	62	50	50	81
125°	108	148	112	90	83	96
135°	128	162	165	137	128	98
145°	141	160	193	185	179	88
155°	148	157	179	198	201	69
165°	152	154	163	170	172	43
175°	154	152	152	152	150	15
180°	151	151	151	151	151	



TEST NUMBER: P395832

CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	883.0	881.5	877.8	874.1	873.3	872.6	872.6	871.9	871.9	873.3	877.8
5°	878.5	877.8	874.1	870.4	869.6	869.6	868.9	868.9	868.9	870.4	874.8
7.5°	872.6	871.1	867.4	863.7	863.0	863.0	863.0	862.2	863.0	863.7	868.9
10°	866.7	865.9	862.2	857.8	856.3	856.3	855.6	854.1	854.1	855.6	860.7
12.5°	851.8	851.1	847.4	844.4	844.4	845.2	845.2	845.9	845.9	847.4	851.1
15°	836.3	835.5	831.8	828.9	828.9	828.9	828.1	828.1	828.9	833.3	840.0
17.5°	819.2	818.5	815.5	812.6	812.6	812.6	811.8	811.8	812.6	814.8	821.5
20°	800.7	800.0	797.0	794.0	794.0	794.0	793.3	794.0	794.0	797.0	802.9
22.5°	782.9	781.4	777.7	774.7	773.3	773.3	773.3	772.5	774.0	776.2	782.2
25°	757.0	756.2	754.7	752.5	754.0	754.7	753.2	751.8	751.8	754.7	759.9
27.5°	733.2	731.7	729.5	727.3	725.8	726.6	727.3	728.8	731.0	731.7	736.2
30°	705.8	705.1	702.8	699.9	700.6	701.3	701.3	701.3	702.8	709.5	711.0
32.5°	679.1	678.4	676.1	673.2	673.9	674.7	673.9	674.7	676.1	679.1	685.8
35°	652.4	650.9	648.7	648.0	647.2	647.2	647.2	648.0	648.7	650.9	654.6
37.5°	622.0	620.5	619.1	616.8	618.3	619.8	620.5	619.8	620.5	623.5	625.0
40°	591.6	590.9	589.4	587.9	588.7	589.4	588.7	590.9	592.4	593.8	594.6
42.5°	562.7	561.2	559.7	559.0	559.0	559.7	559.7	561.2	561.2	564.9	564.2
45°	530.1	529.3	528.6	528.6	529.3	529.3	529.3	530.1	530.8	533.1	533.8
47.5°	498.2	497.5	497.5	497.5	497.5	498.2	499.0	501.2	499.7	500.4	501.2
50°	466.3	465.6	465.6	465.6	467.1	467.1	468.6	469.3	470.0	468.6	469.3
52.5°	433.7	433.0	434.5	434.5	435.9	435.9	438.2	435.9	437.4	436.7	436.7
55°	401.8	401.1	402.6	401.8	403.3	403.3	404.8	405.5	404.8	404.8	404.8
57.5°	369.2	368.5	369.2	370.0	370.7	370.7	372.9	372.9	370.7	372.2	371.4
60°	336.6	335.8	336.6	337.3	338.1	338.1	338.8	337.3	338.8	339.6	338.8
62.5°	304.0	303.2	304.7	304.0	304.7	305.4	305.4	307.7	306.9	306.9	306.2
65°	271.3	270.6	270.6	270.6	271.3	272.1	272.8	273.6	273.6	274.3	273.6
67.5°	238.0	237.2	238.0	237.2	238.0	238.7	240.2	240.9	240.9	241.7	240.9
70°	203.9	204.6	203.9	204.6	205.4	206.1	206.8	208.3	208.3	208.3	208.3
72.5°	170.5	169.8	169.8	169.0	170.5	171.3	172.0	174.2	174.2	175.0	175.0
75°	137.9	136.4	137.2	136.4	139.4	140.1	140.1	142.3	143.1	144.6	143.8
77.5°	106.0	106.0	104.5	106.8	107.5	109.0	110.5	111.9	112.7	114.9	114.9
80°	75.6	75.6	74.9	76.4	79.3	80.1	82.3	83.0	85.3	86.7	87.5
82.5°	48.2	48.2	48.2	50.4	52.6	53.4	55.6	57.8	59.3	61.5	62.3
85°	23.7	25.2	25.2	28.2	29.7	31.1	31.9	34.8	37.1	40.0	42.3
87.5°	7.4	8.2	8.9	10.4	13.3	14.1	15.6	18.5	20.8	23.7	25.9
90°	0.7	0.7	1.5	2.2	3.7	4.4	5.9	7.4	9.6	11.9	13.3
92.5°	5.2	5.2	5.9	5.9	5.9	5.9	5.9	6.7	7.4	8.9	9.6
95°	12.6	20.0	11.9	11.1	12.6	12.6	13.3	12.6	12.6	12.6	12.6
97.5°	20.8	37.1	24.5	17.1	16.3	17.1	17.1	18.5	19.3	20.0	20.0
100°	30.4	46.7	43.0	28.2	23.0	22.2	22.2	22.2	23.0	23.7	24.5
102.5°	40.0	53.4	61.5	43.7	32.6	29.7	28.2	27.4	26.7	27.4	27.4
105°	49.7	60.1	75.6	59.3	46.7	42.3	37.8	32.6	31.9	31.9	31.9
107.5°	58.6	66.7	86.0	77.1	60.8	56.3	51.2	43.0	37.8	37.1	36.3
110°	66.7	73.4	93.4	91.9	76.4	69.7	65.2	56.3	48.9	43.7	41.5



TEST NUMBER: P395832

CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	74.1	80.1	98.6	104.5	93.4	85.3	78.6	69.7	61.5	54.9	49.7
115°	81.6	86.7	103.1	114.9	108.2	101.6	94.2	83.0	74.9	68.2	62.3
117.5°	89.0	93.4	107.5	122.3	120.8	116.4	110.5	97.1	87.5	80.8	74.1
120°	95.6	100.1	111.9	127.5	132.0	128.3	124.6	112.7	100.8	93.4	87.5
122.5°	101.6	105.3	116.4	132.0	140.1	139.4	135.7	127.5	115.7	106.8	99.3
125°	107.5	111.2	120.8	134.9	146.1	148.3	146.8	140.1	131.2	120.8	111.9
127.5°	113.4	116.4	125.3	137.9	150.5	154.9	155.7	151.2	144.6	135.7	126.0
130°	118.6	121.6	129.0	140.1	153.5	158.7	161.6	160.9	155.7	149.8	140.1
132.5°	123.1	125.3	132.7	142.3	154.9	160.9	165.3	169.0	165.3	160.9	154.2
135°	127.5	129.7	135.7	144.6	155.7	161.6	167.6	173.5	174.2	170.5	165.3
137.5°	131.2	132.7	138.6	146.1	155.7	161.6	167.6	175.7	180.2	178.7	174.2
140°	134.9	136.4	140.9	148.3	156.4	161.6	166.8	176.4	182.4	184.6	182.4
142.5°	137.9	139.4	143.1	149.8	156.4	160.9	166.1	175.0	183.1	187.6	189.1
145°	140.9	141.6	145.3	150.5	156.4	160.1	164.6	173.5	181.6	188.3	192.8
147.5°	143.1	143.8	146.1	151.2	156.4	159.4	163.1	170.5	178.7	186.1	192.8
150°	145.3	145.3	147.5	151.2	156.4	158.7	161.6	168.3	175.0	182.4	188.3
152.5°	146.8	146.8	149.0	152.0	155.7	157.9	160.9	166.1	172.0	178.7	184.6
155°	148.3	148.3	149.8	152.0	155.7	157.2	159.4	163.8	169.0	174.2	179.4
157.5°	149.8	149.8	150.5	152.7	154.9	156.4	158.7	162.4	166.1	170.5	175.0
160°	150.5	150.5	151.2	152.7	154.2	155.7	157.2	160.1	163.8	166.8	170.5
162.5°	151.2	151.2	152.0	152.7	154.2	154.9	155.7	158.7	160.9	163.8	166.8
165°	152.0	152.0	152.0	152.7	153.5	154.2	154.9	156.4	158.7	160.9	163.1
167.5°	152.7	152.7	152.7	152.7	153.5	153.5	154.2	154.9	156.4	157.9	159.4
170°	153.5	152.7	152.7	153.5	152.7	152.7	153.5	154.2	154.2	155.7	156.4
172.5°	153.5	153.5	152.7	152.7	152.7	152.7	152.7	152.7	152.7	153.5	154.2
175°	153.5	153.5	152.7	152.7	152.7	152.0	152.0	152.0	152.0	152.0	152.0
177.5°	153.5	153.5	152.7	152.7	152.0	152.0	152.0	152.0	152.0	152.0	152.0
180°	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2



TEST NUMBER: P395832

CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	882.2	878.5	877.1	876.3	875.6	874.8	873.3	871.9	870.4	870.4
5°	878.5	874.8	873.3	872.6	871.9	871.1	870.4	870.4	870.4	870.4
7.5°	872.6	868.9	867.4	866.7	866.7	865.9	865.9	865.9	865.2	865.9
10°	863.7	860.0	859.3	858.5	857.8	856.3	856.3	856.3	855.6	856.3
12.5°	852.6	848.9	848.1	847.4	846.7	845.9	845.9	845.2	845.2	845.9
15°	841.5	836.3	834.8	834.8	834.1	833.3	834.1	833.3	833.3	833.3
17.5°	825.2	822.9	820.7	819.2	818.5	817.7	817.7	817.0	817.0	817.0
20°	803.7	803.7	803.7	800.0	799.2	798.5	798.5	798.5	798.5	798.5
22.5°	782.9	779.2	782.2	779.9	778.5	777.0	777.7	777.7	777.7	777.7
25°	759.9	757.0	757.7	758.4	757.0	754.7	754.7	754.7	754.7	754.0
27.5°	735.5	733.2	732.5	733.2	734.7	733.2	731.0	728.8	729.5	729.5
30°	708.8	708.0	707.3	705.8	707.3	708.0	704.3	703.6	703.6	703.6
32.5°	682.1	681.3	679.1	677.6	678.4	679.8	678.4	676.9	676.9	676.9
35°	655.4	652.4	650.2	649.5	649.5	650.9	650.2	648.0	648.0	648.0
37.5°	624.2	625.0	621.3	620.5	620.5	620.5	622.0	618.3	619.1	618.3
40°	593.8	594.6	592.4	590.1	590.9	589.4	591.6	587.9	587.9	587.9
42.5°	563.5	562.0	562.7	558.3	559.0	559.0	559.7	557.5	556.8	556.0
45°	532.3	530.8	530.1	527.9	527.9	527.1	527.1	524.2	524.2	524.2
47.5°	499.7	499.0	497.5	496.0	496.0	495.2	493.8	493.0	492.3	492.3
50°	468.6	466.3	464.1	464.8	464.1	463.4	461.9	461.1	460.4	459.7
52.5°	435.2	435.2	432.2	432.2	432.2	431.5	430.0	428.5	428.5	427.8
55°	402.6	401.8	399.6	398.9	399.6	398.9	397.4	395.9	395.9	395.2
57.5°	370.0	368.5	367.7	367.7	367.0	367.0	364.8	363.3	364.0	363.3
60°	336.6	336.6	335.8	335.1	335.1	334.4	332.1	332.1	332.1	331.4
62.5°	304.7	304.7	303.2	302.5	303.2	302.5	301.7	301.0	300.3	299.5
65°	271.3	272.1	270.6	271.3	271.3	269.9	269.9	269.1	269.1	268.4
67.5°	240.2	240.2	239.5	239.5	240.2	239.5	239.5	238.7	238.7	238.0
70°	208.3	209.8	209.1	209.1	209.1	208.3	208.3	208.3	207.6	208.3
72.5°	176.4	176.4	176.4	176.4	176.4	177.2	177.2	177.2	177.2	176.4
75°	146.8	147.5	146.8	147.5	148.3	148.3	148.3	148.3	149.0	148.3
77.5°	117.9	118.6	118.6	120.1	120.1	120.1	120.8	120.8	120.8	120.8
80°	90.4	91.2	91.9	93.4	93.4	94.9	95.6	95.6	95.6	95.6
82.5°	65.2	67.5	68.2	70.4	71.2	71.2	72.7	73.4	73.4	73.4
85°	45.2	47.4	48.9	50.4	51.9	51.9	53.4	53.4	54.1	54.1
87.5°	28.2	30.4	31.9	34.1	34.8	35.6	36.3	37.1	37.8	37.8
90°	15.6	17.1	18.5	20.0	20.0	20.8	21.5	22.2	23.0	23.0
92.5°	11.1	11.9	13.3	14.1	14.1	14.8	15.6	15.6	16.3	16.3
95°	12.6	13.3	13.3	14.1	14.1	14.1	14.8	14.8	14.8	14.8
97.5°	19.3	19.3	19.3	18.5	18.5	18.5	18.5	18.5	18.5	18.5
100°	25.2	25.9	25.9	25.9	26.7	26.7	26.7	26.7	25.9	25.9
102.5°	28.2	28.9	29.7	30.4	30.4	30.4	31.1	31.1	31.1	31.1
105°	31.9	31.9	32.6	33.4	33.4	33.4	34.1	34.1	34.1	34.1
107.5°	36.3	36.3	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
110°	41.5	41.5	41.5	40.8	41.5	40.8	40.8	40.8	40.8	40.8





TEST NUMBER: P395832

CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	47.4	46.7	46.7	46.0	46.0	46.0	45.2	45.2	45.2	45.2
115°	57.1	53.4	51.9	50.4	50.4	50.4	49.7	49.7	49.7	49.7
117.5°	68.9	63.8	60.8	57.8	57.1	56.3	54.9	54.9	54.1	54.1
120°	81.6	76.4	71.9	68.2	66.7	66.0	63.8	62.3	60.8	60.8
122.5°	93.4	88.2	83.8	80.1	78.6	77.1	74.9	73.4	71.9	71.9
125°	105.3	100.1	95.6	91.9	89.7	88.2	86.0	84.5	83.0	83.0
127.5°	117.9	111.2	106.8	103.1	100.8	100.1	97.1	95.6	94.2	94.2
130°	132.0	123.8	117.9	113.4	111.9	110.5	108.2	106.8	105.3	105.3
132.5°	146.1	137.9	131.2	125.3	123.1	121.6	118.6	117.1	115.7	115.7
135°	159.4	152.0	145.3	139.4	137.2	134.9	132.0	129.0	127.5	127.5
137.5°	169.8	164.6	158.7	153.5	151.2	149.0	146.1	143.1	140.9	141.6
140°	178.7	174.2	170.5	166.8	164.6	163.1	160.1	157.9	155.7	155.7
142.5°	186.8	183.1	179.4	176.4	175.7	175.0	172.7	170.5	169.0	169.0
145°	194.2	192.0	189.1	185.3	184.6	183.9	181.6	180.2	179.4	179.4
147.5°	196.5	197.2	196.5	194.2	193.5	192.8	191.3	189.8	189.1	189.1
150°	195.0	197.9	199.4	199.4	199.4	199.4	199.4	197.9	197.2	197.2
152.5°	190.5	195.0	197.9	200.2	200.9	201.7	201.7	202.4	201.7	201.7
155°	185.3	189.8	194.2	196.5	197.9	198.7	200.2	200.9	201.7	200.9
157.5°	179.4	183.1	186.1	190.5	192.0	193.5	195.0	196.5	197.2	196.5
160°	174.2	177.2	179.4	182.4	183.1	184.6	186.1	186.8	188.3	187.6
162.5°	169.0	171.3	173.5	175.0	176.4	177.2	178.7	179.4	180.2	179.4
165°	165.3	166.8	167.6	169.0	169.8	170.5	171.3	172.0	172.0	172.0
167.5°	160.9	162.4	163.1	163.8	164.6	165.3	165.3	166.1	166.1	166.1
170°	157.2	157.9	158.7	159.4	159.4	160.1	160.1	160.1	160.9	160.1
172.5°	154.2	154.2	154.2	154.9	154.9	154.9	154.9	154.9	154.9	154.2
175°	152.7	152.7	152.0	152.0	152.0	152.0	152.0	151.2	150.5	149.8
177.5°	152.0	151.2	151.2	150.5	150.5	150.5	149.8	149.0	148.3	147.5
180°	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2

(END OF REPORT)