

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: P395686

Luminaire Tested: **I3-UL-30L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395686  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: I3-UL-30L92765-1D-UNV-W2A-W-4 (3000K)  
Description: CORELITE I3, OPEN TOP  
3000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2469.9 lumens  
Efficiency: N/A  
Efficacy: 120.5 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')  
CIE Type: Semi-Indirect

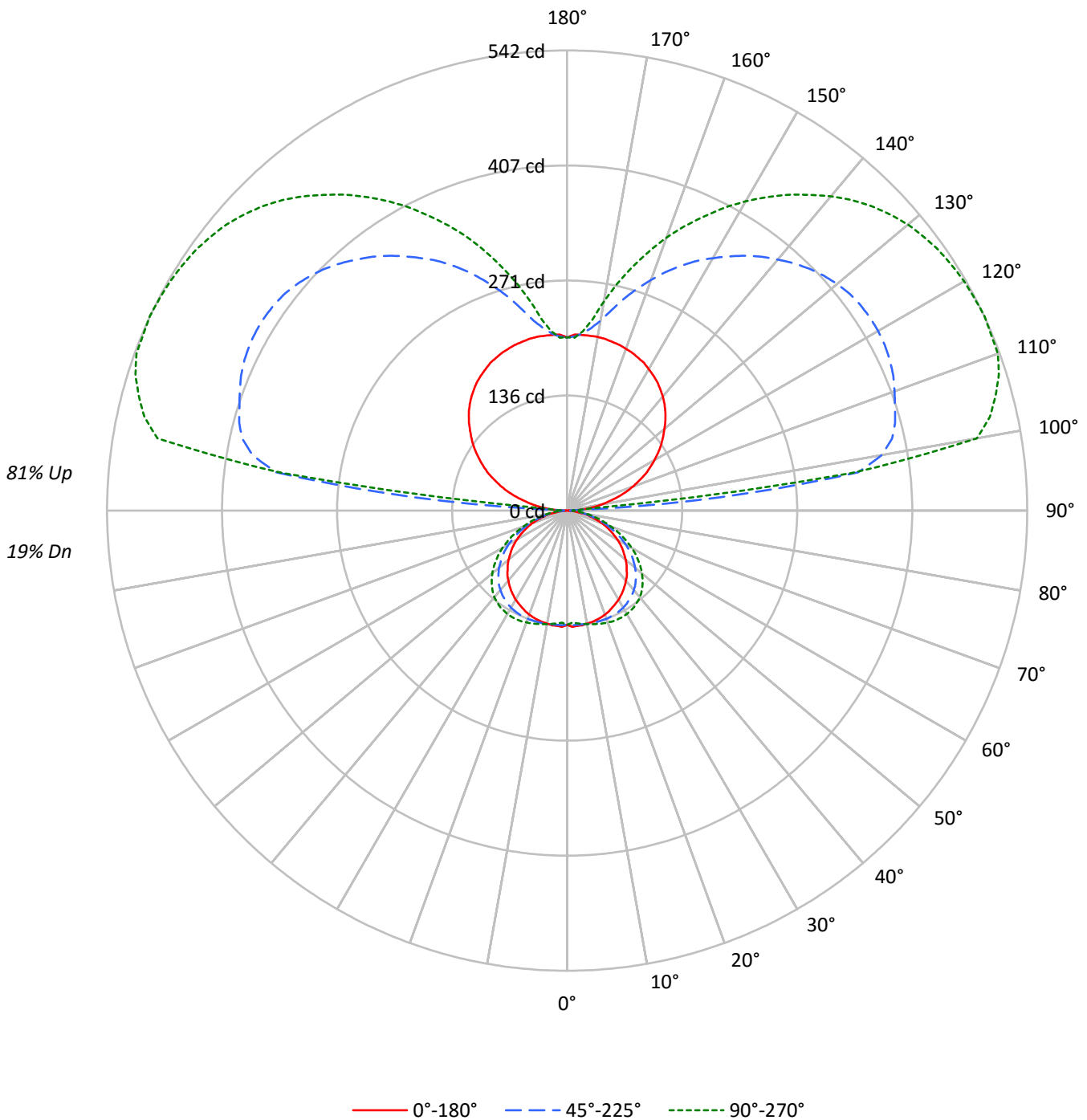
Input Watts (W): 20.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20										
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	0														
RCR																																						
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19						19														
1	91	87	83	79	80	76	73	71	58	56	54	40	39	38	24	24	23	16						16														
2	82	75	69	64	72	67	62	58	50	47	44	35	33	31	21	20	19	13						13														
3	75	66	59	53	66	58	52	48	44	40	37	31	28	26	19	17	16	11						11														
4	68	58	51	45	60	51	45	40	39	35	31	27	24	22	16	15	14	9						9														
5	63	51	44	38	55	46	39	34	35	30	26	24	21	19	15	13	12	8						8														
6	57	46	38	33	50	41	34	29	31	26	23	22	19	16	13	12	10	7						7														
7	53	41	34	28	46	37	30	25	28	23	20	20	17	14	12	10	9	6						6														
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5						5														
9	45	34	26	22	40	30	24	20	23	18	15	16	13	11	10	8	7	5						5														
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	8	6	4						4														

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	739	739	739
5°	749	728	715
10°	748	723	715
15°	750	721	722
20°	751	724	730
25°	749	726	741
30°	750	727	748
35°	749	723	752
40°	746	717	747
45°	740	703	731
50°	733	680	704
55°	720	647	664
60°	698	600	611
65°	667	534	545
70°	630	463	460
75°	546	364	369
80°	433	261	266
85°	259	151	176



TEST NUMBER: P395686

CATALOG NUMBER: I3-UL-30L92765-1D-UNV-W2A-W-4 (3000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.9	0.5
10°-20°	38.4	1.6
20°-30°	61.7	2.5
30°-40°	79.5	3.2
40°-50°	87.3	3.5
50°-60°	82.0	3.3
60°-70°	63.7	2.6
70°-80°	36.6	1.5
80°-90°	11.7	0.5
90°-100°	157.9	6.4
100°-110°	375.2	15.2
110°-120°	376.9	15.3
120°-130°	345.6	14.0
130°-140°	289.0	11.7
140°-150°	216.9	8.8
150°-160°	141.2	5.7
160°-170°	72.7	2.9
170°-180°	20.6	0.8
0°-30°	113.0	4.6
0°-40°	192.5	7.8
0°-60°	361.8	14.6
0°-90°	473.8	19.2
90°-120°	910.0	36.8
90°-150°	1761.6	71.3
90°-180°	1996.0	80.8
0°-180°	2469.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	134	134	134	134	134	
5°	136	135	135	134	133	13
15°	133	133	136	138	138	38
25°	126	127	134	139	141	58
35°	115	118	128	136	138	72
45°	99	104	114	123	125	77
55°	80	84	93	100	102	71
65°	56	59	64	70	72	55
75°	30	31	34	38	39	32
85°	6	7	10	13	13	7
90°	1	2	4	6	6	2
95°	21	176	181	24	21	21
105°	62	237	400	493	522	65
115°	102	267	419	510	542	100
125°	135	278	422	505	534	121
135°	164	277	403	479	507	126
145°	185	265	366	430	454	116
155°	198	244	318	365	382	92
165°	206	220	258	286	297	58
175°	208	207	209	212	212	20
180°	204	204	204	204	204	



TEST NUMBER: P395686

CATALOG NUMBER: I3-UL-30L92765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5
2.5°	137.0	136.3	135.7	135.7	135.1	135.1	135.1	134.5	134.5	134.5	135.1
5°	136.3	136.3	135.7	135.1	135.1	135.1	134.5	134.5	134.5	134.5	135.1
7.5°	136.3	135.7	135.1	135.1	134.5	134.5	134.5	134.5	134.5	134.5	135.1
10°	135.1	135.1	134.5	134.5	133.9	134.5	134.5	134.5	134.5	134.5	135.7
12.5°	134.5	134.5	133.9	133.3	133.3	133.3	133.9	133.9	133.9	134.5	135.7
15°	133.3	133.3	132.7	132.7	132.7	132.7	133.3	133.3	133.9	134.5	135.7
17.5°	132.1	132.1	131.5	131.5	131.5	132.1	132.1	132.7	133.3	134.5	135.7
20°	130.3	130.3	130.3	130.3	130.3	130.9	130.9	131.5	132.7	133.9	135.7
22.5°	128.4	128.4	128.4	128.4	128.4	129.0	129.7	130.9	131.5	133.3	135.1
25°	126.0	126.0	126.0	126.0	126.6	127.2	127.8	129.0	130.3	132.1	134.5
27.5°	123.6	124.2	124.2	124.2	124.8	125.4	126.0	127.2	129.0	131.5	133.3
30°	121.1	121.1	121.1	121.7	122.3	123.0	124.2	125.4	127.2	129.7	132.1
32.5°	118.1	118.1	118.7	118.7	119.9	120.5	121.7	123.6	125.4	127.8	130.3
35°	115.0	115.0	115.0	116.3	116.9	118.1	118.7	120.5	123.0	125.4	127.8
37.5°	111.4	112.0	112.0	112.6	113.8	115.0	115.7	118.1	120.5	123.0	125.4
40°	107.7	108.3	108.3	109.0	110.8	111.4	112.6	115.0	116.9	119.9	122.3
42.5°	104.1	104.1	104.7	105.3	107.1	107.7	109.0	111.4	113.8	116.3	118.7
45°	99.2	99.8	100.4	101.0	102.9	104.1	105.3	107.1	109.6	112.0	114.4
47.5°	95.0	95.0	95.6	96.8	98.6	99.8	100.4	102.9	104.7	107.1	109.6
50°	90.1	90.7	90.7	91.9	93.7	95.0	95.6	98.0	99.8	102.3	104.7
52.5°	84.6	85.2	85.8	87.0	88.9	90.1	90.7	92.5	94.3	96.8	98.6
55°	79.7	80.3	80.3	81.6	83.4	84.0	85.2	86.4	88.9	90.7	93.1
57.5°	74.3	74.9	74.9	76.1	77.3	78.5	79.1	81.0	82.8	84.6	86.4
60°	68.2	68.8	69.4	70.0	71.2	72.4	73.0	74.3	76.1	77.9	79.7
62.5°	62.1	62.7	63.3	63.9	65.1	65.7	66.3	68.2	69.4	71.2	72.4
65°	56.0	56.6	57.2	57.8	58.4	59.0	59.7	60.9	62.1	63.9	64.5
67.5°	49.9	50.5	50.5	51.1	51.7	52.3	53.0	54.2	54.8	56.6	57.2
70°	43.8	43.8	43.8	44.4	44.4	45.0	45.7	46.9	47.5	48.7	49.9
72.5°	36.5	37.1	37.1	37.1	37.7	38.3	39.0	39.6	40.2	40.8	42.0
75°	29.8	30.4	29.8	30.4	31.0	31.0	31.7	32.3	32.9	33.5	34.1
77.5°	23.7	23.1	23.7	23.7	24.3	24.3	24.3	25.0	26.2	26.2	27.4
80°	17.0	17.0	17.0	17.0	17.7	17.7	18.3	18.3	19.5	20.1	20.7
82.5°	11.0	11.0	11.6	11.6	11.6	12.2	12.2	12.8	13.4	14.0	14.6
85°	6.1	6.1	6.1	6.7	6.7	7.3	7.3	7.9	8.5	9.1	9.7
87.5°	1.8	2.4	3.0	3.0	3.7	3.7	4.3	4.3	5.5	6.1	6.7
90°	0.6	0.6	1.2	1.2	1.2	1.8	1.8	2.4	2.4	3.0	3.7
92.5°	10.3	24.3	50.5	75.5	65.1	60.9	36.5	11.0	9.7	10.3	10.3
95°	21.3	40.2	73.7	119.3	154.6	176.5	191.1	219.1	247.7	242.9	181.4
97.5°	31.0	51.7	88.9	130.9	179.6	204.5	223.4	256.9	293.4	323.8	345.7
100°	40.8	62.1	101.7	145.5	190.5	213.0	235.0	280.6	316.5	347.0	376.2
102.5°	51.1	72.4	113.2	158.9	203.3	225.2	246.5	286.7	326.9	363.4	392.0
105°	61.5	83.4	123.6	170.4	214.9	236.8	257.5	295.8	333.0	367.0	399.9
107.5°	72.4	93.1	132.7	179.6	224.0	245.9	266.6	305.0	340.9	375.0	404.8
110°	82.2	102.3	141.8	188.1	232.5	254.4	275.1	313.5	348.8	381.0	410.3



TEST NUMBER: P395686

CATALOG NUMBER: I3-UL-30L92765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	91.3	110.8	150.3	195.4	239.2	261.1	281.2	319.6	354.9	386.5	415.7
115°	101.7	118.7	158.9	202.1	245.3	266.6	286.7	324.4	359.7	390.8	419.4
117.5°	110.2	126.6	166.2	207.6	250.2	270.9	290.3	328.1	362.8	393.8	421.8
120°	118.7	133.9	172.9	212.4	253.8	273.9	293.4	330.5	365.2	395.7	423.0
122.5°	127.2	141.2	178.3	217.3	256.9	277.0	295.8	332.3	366.4	396.3	423.0
125°	135.1	147.3	183.2	221.0	258.7	278.2	296.4	332.3	365.8	395.0	421.8
127.5°	142.4	154.0	186.9	224.6	259.9	278.8	296.4	331.1	364.6	393.2	419.4
130°	149.7	160.1	190.5	226.4	261.1	278.2	295.2	328.7	361.6	390.2	415.1
132.5°	157.0	166.8	193.6	228.3	261.7	278.2	294.0	326.3	357.9	385.9	409.7
135°	163.7	171.7	196.6	229.5	261.1	277.0	291.6	322.0	352.4	379.8	403.0
137.5°	169.8	176.5	199.0	230.1	260.5	275.1	289.7	317.1	345.7	372.5	395.0
140°	175.3	181.4	200.3	230.1	258.1	272.7	286.1	312.3	338.4	364.0	385.9
142.5°	180.2	185.7	202.1	228.9	255.7	269.7	282.4	307.4	331.1	355.5	376.8
145°	185.0	189.3	203.3	228.3	252.6	265.4	277.6	301.3	324.4	346.3	366.4
147.5°	188.7	193.0	204.5	225.8	249.0	260.5	272.1	294.6	315.9	336.6	354.9
150°	192.3	196.0	205.1	223.4	244.7	255.0	265.4	286.7	307.4	326.3	343.3
152.5°	196.0	198.4	207.0	221.0	239.8	249.6	259.9	278.8	297.7	315.3	331.7
155°	198.4	200.3	207.6	218.5	235.0	243.5	252.0	269.7	286.7	303.1	318.3
157.5°	200.9	202.7	208.2	216.7	229.5	237.4	244.7	259.9	275.7	290.3	304.3
160°	202.7	203.9	208.2	215.5	224.6	230.1	236.8	250.8	264.2	277.0	289.1
162.5°	204.5	205.1	208.2	213.7	220.3	224.0	228.9	239.8	252.0	263.0	273.9
165°	205.7	206.3	208.2	212.4	216.7	219.7	222.2	230.1	239.2	249.0	258.1
167.5°	207.0	207.0	208.2	211.2	213.7	215.5	217.3	221.6	227.7	235.0	241.7
170°	207.6	207.6	208.2	210.0	211.8	212.4	213.7	216.1	219.1	222.8	227.0
172.5°	207.6	207.6	207.6	208.8	209.4	209.4	209.4	210.6	212.4	214.9	216.7
175°	207.6	207.0	207.0	207.6	207.0	207.0	207.0	207.0	207.6	208.8	209.4
177.5°	207.6	207.0	206.3	206.3	205.7	205.7	205.1	205.1	205.1	205.1	205.1
180°	203.9	203.9	203.9	203.9	203.9	203.9	203.9	203.9	203.9	203.9	203.9



TEST NUMBER: P395686

CATALOG NUMBER: I3-UL-30L92765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5
2.5°	135.1	135.1	134.5	133.9	133.9	133.9	133.3	132.7	132.1	132.1
5°	135.1	135.1	134.5	134.5	134.5	134.5	133.9	133.9	133.3	133.3
7.5°	135.7	135.1	135.1	135.1	135.1	135.1	135.1	135.1	134.5	134.5
10°	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7
12.5°	136.3	136.3	136.3	136.3	137.0	137.0	137.0	137.0	137.0	137.0
15°	136.3	137.0	137.6	137.6	137.6	138.2	138.2	138.2	138.2	138.2
17.5°	137.0	137.6	138.2	138.2	138.8	138.8	139.4	139.4	139.4	139.4
20°	137.0	137.6	138.2	138.8	139.4	139.4	140.0	140.6	140.6	140.0
22.5°	136.3	137.6	138.2	138.8	139.4	140.0	140.6	141.2	141.2	141.2
25°	135.7	137.0	138.2	139.4	139.4	140.0	141.2	141.2	141.2	141.2
27.5°	135.1	136.3	137.6	138.8	139.4	140.0	140.6	141.2	141.2	141.2
30°	133.9	135.7	137.0	138.2	138.8	139.4	140.0	140.6	140.6	140.6
32.5°	132.1	133.9	135.1	137.0	137.6	138.2	138.8	139.4	139.4	139.4
35°	130.3	132.1	133.3	135.1	135.7	136.3	137.6	137.6	138.2	138.2
37.5°	127.2	129.7	130.9	132.7	133.3	133.9	135.1	135.7	135.7	135.7
40°	124.2	126.6	127.8	129.7	130.3	130.9	132.1	132.7	133.3	133.3
42.5°	120.5	123.0	124.2	126.0	126.6	127.2	128.4	129.0	129.7	129.7
45°	116.9	118.7	119.9	121.7	123.0	123.0	124.2	124.8	125.4	125.4
47.5°	112.0	113.8	115.0	116.9	118.1	118.7	119.3	119.9	120.5	120.5
50°	106.5	108.3	110.2	111.4	112.6	112.6	113.8	114.4	115.0	115.0
52.5°	101.0	102.3	104.1	105.9	106.5	107.1	107.7	108.3	109.0	109.0
55°	95.0	96.2	98.0	99.2	99.8	100.4	101.0	101.7	102.3	102.3
57.5°	88.3	89.5	91.3	92.5	93.1	93.7	94.3	95.0	95.6	95.6
60°	81.0	82.2	84.0	85.2	85.8	85.8	87.0	87.7	87.7	87.7
62.5°	73.7	74.9	76.1	77.3	77.9	78.5	79.1	79.7	79.7	79.7
65°	66.3	67.6	68.8	69.4	70.0	70.0	70.6	71.2	71.8	71.8
67.5°	58.4	59.7	60.9	61.5	62.1	62.1	62.7	63.3	63.3	63.3
70°	50.5	51.1	52.3	53.0	53.6	53.6	54.8	54.8	54.8	54.8
72.5°	42.6	43.2	44.4	45.0	45.7	45.7	46.3	46.9	46.9	46.9
75°	35.3	35.9	36.5	37.7	37.7	37.7	38.3	39.0	39.0	39.0
77.5°	28.0	28.6	29.2	29.8	30.4	30.4	31.0	31.7	31.7	31.7
80°	21.3	21.9	22.5	23.1	23.1	23.7	23.7	24.3	24.3	24.3
82.5°	15.2	15.8	16.4	17.0	17.7	17.7	18.3	18.9	18.9	18.3
85°	10.3	11.6	12.2	12.8	12.8	12.8	13.4	14.0	14.0	13.4
87.5°	7.3	7.3	7.9	8.5	8.5	9.1	9.1	9.7	9.7	9.7
90°	4.3	4.3	4.9	4.9	5.5	5.5	5.5	6.1	6.1	6.1
92.5°	10.3	10.3	11.0	11.0	11.0	11.0	11.6	11.6	11.6	11.6
95°	110.8	49.9	42.0	25.6	24.3	21.3	20.7	21.3	21.3	20.7
97.5°	371.9	398.1	414.5	422.4	412.7	402.3	390.8	389.0	373.1	337.8
100°	401.1	421.8	441.9	455.9	461.4	466.3	477.2	483.9	487.0	490.0
102.5°	415.7	437.7	455.3	473.0	480.3	487.0	496.7	504.6	507.7	510.1
105°	428.5	451.0	470.5	486.3	493.0	499.1	508.9	516.2	521.7	522.3
107.5°	431.6	455.3	477.2	496.7	504.6	511.3	522.9	528.3	533.2	533.2
110°	437.0	459.6	479.7	497.3	505.2	513.1	525.3	533.8	538.7	539.9





TEST NUMBER: P395686

CATALOG NUMBER: I3-UL-30L92765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	441.3	464.4	483.3	501.0	507.7	515.0	526.5	534.4	538.7	540.5
115°	445.0	467.5	486.3	502.8	510.1	517.4	529.0	535.7	540.5	542.3
117.5°	447.4	469.3	488.2	503.4	511.3	517.4	528.3	535.7	540.5	541.1
120°	448.0	469.9	488.2	503.4	510.1	516.8	527.7	535.0	539.9	539.9
122.5°	448.0	469.3	487.6	502.2	508.3	514.3	524.7	533.2	537.5	537.5
125°	445.6	466.9	484.5	499.1	505.2	510.7	521.7	529.6	533.8	534.4
127.5°	441.9	462.6	480.3	494.9	501.0	505.8	517.4	524.7	529.0	529.6
130°	437.0	457.7	474.8	488.8	494.9	500.3	510.1	518.0	522.9	524.1
132.5°	431.6	451.0	468.1	481.5	487.6	492.4	502.2	510.1	514.3	516.2
135°	424.9	443.1	459.6	473.0	479.0	483.9	493.0	501.0	505.2	507.0
137.5°	416.3	434.0	449.8	463.2	468.7	473.6	482.7	490.0	493.7	496.1
140°	406.6	423.0	439.5	451.7	457.1	462.0	469.9	477.8	481.5	483.3
142.5°	396.3	412.7	427.3	439.5	444.3	449.2	457.1	464.4	468.1	468.7
145°	385.3	401.1	414.5	426.1	430.3	435.2	442.5	449.8	453.5	454.1
147.5°	373.1	387.7	400.5	411.5	416.3	420.0	426.7	433.4	437.0	437.7
150°	359.1	372.5	384.1	395.0	399.3	403.0	410.3	416.3	420.0	420.6
152.5°	345.7	358.5	368.3	378.0	382.3	385.9	392.0	398.1	401.7	402.3
155°	331.7	343.3	353.0	361.0	364.6	368.3	373.1	378.6	381.7	382.3
157.5°	317.1	328.1	336.6	343.9	347.6	350.6	354.9	359.7	361.6	362.8
160°	301.3	310.4	317.7	325.0	328.1	331.1	335.4	339.0	341.5	342.1
162.5°	284.3	292.2	298.3	305.0	306.8	309.2	313.5	317.1	319.0	319.6
165°	266.6	273.9	279.4	284.9	286.1	287.9	291.0	294.6	295.8	297.0
167.5°	249.0	255.0	258.7	263.6	265.4	266.6	269.7	272.1	273.3	273.9
170°	231.9	236.2	239.2	242.9	243.5	245.3	247.1	249.6	250.2	250.2
172.5°	218.5	220.3	222.2	223.4	224.0	224.6	225.8	226.4	226.4	226.4
175°	210.0	211.2	211.2	211.8	211.8	211.8	211.8	211.8	211.8	211.8
177.5°	205.1	205.1	205.1	204.5	204.5	204.5	204.5	203.9	203.9	203.9
180°	203.9	203.9	203.9	203.9	203.9	203.9	203.9	203.9	203.9	203.9

(END OF REPORT)