

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: P395750

Luminaire Tested: **I3-UL-60L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395750  
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-60L82765-1D-UNV-W2A-W-4 (2700K)  
Description: CORELITE I3, OPEN TOP  
6000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5574.6 lumens  
Efficiency: N/A  
Efficacy: 126.4 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

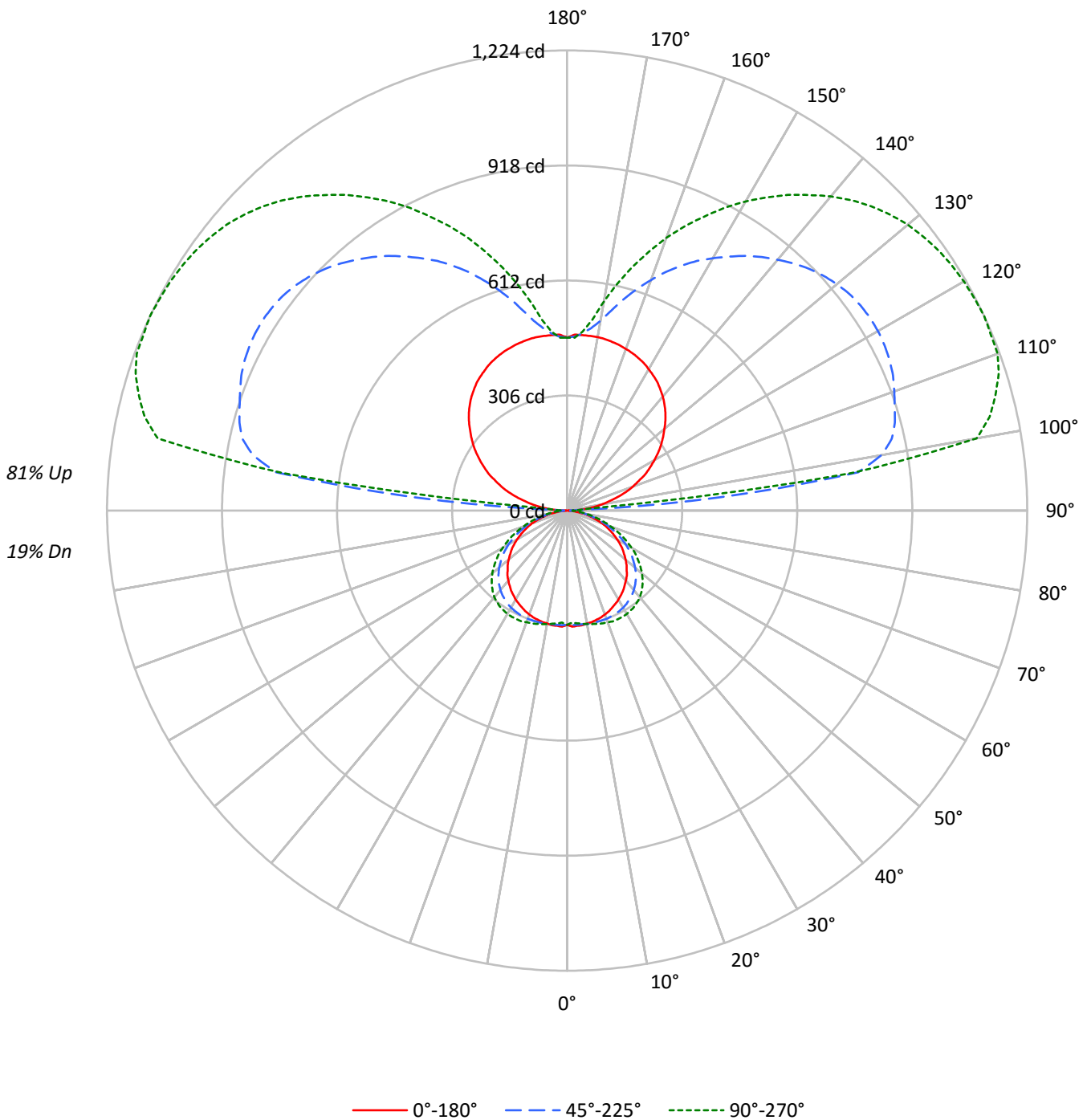
Input Watts (W): 44.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P395750

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (2700K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395750

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

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

	0°	45°	90°
0°	1669	1669	1669
5°	1691	1645	1613
10°	1690	1634	1615
15°	1693	1628	1629
20°	1693	1634	1648
25°	1691	1638	1673
30°	1694	1640	1689
35°	1692	1632	1697
40°	1685	1620	1687
45°	1669	1586	1650
50°	1655	1535	1589
55°	1626	1460	1498
60°	1576	1355	1379
65°	1506	1206	1229
70°	1423	1047	1037
75°	1233	820	832
80°	982	590	602
85°	581	344	396



TEST NUMBER: P395750

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (2700K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.1	0.5
10°-20°	86.6	1.6
20°-30°	139.4	2.5
30°-40°	179.3	3.2
40°-50°	197.0	3.5
50°-60°	185.1	3.3
60°-70°	143.8	2.6
70°-80°	82.5	1.5
80°-90°	26.5	0.5
90°-100°	356.4	6.4
100°-110°	846.8	15.2
110°-120°	850.7	15.3
120°-130°	780.1	14.0
130°-140°	652.3	11.7
140°-150°	489.6	8.8
150°-160°	318.7	5.7
160°-170°	164.1	2.9
170°-180°	46.4	0.8
0°-30°	255.0	4.6
0°-40°	434.4	7.8
0°-60°	816.5	14.6
0°-90°	1069.3	19.2
90°-120°	2053.9	36.8
90°-150°	3976.0	71.3
90°-180°	4505.0	80.8
0°-180°	5574.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	304	304	304	304	304	
5°	308	305	305	304	301	29
15°	301	300	306	310	312	85
25°	284	287	304	315	319	131
35°	260	266	288	306	312	162
45°	224	235	258	278	283	173
55°	180	190	210	225	231	160
65°	126	133	146	158	162	125
75°	67	70	77	85	88	72
85°	14	16	22	29	30	16
90°	1	4	8	12	14	4
95°	48	398	409	55	47	48
105°	139	534	903	1113	1179	147
115°	229	602	947	1151	1224	226
125°	305	628	952	1140	1206	272
135°	370	625	910	1081	1144	285
145°	418	599	827	971	1025	261
155°	448	550	718	823	863	207
165°	464	496	582	646	670	131
175°	468	467	473	478	478	45
180°	460	460	460	460	460	



TEST NUMBER: P395750

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	303.6	303.6	303.6	303.6	303.6	303.6	303.6	303.6	303.6	303.6	303.6
2.5°	309.1	307.7	306.4	306.4	305.0	305.0	305.0	303.6	303.6	303.6	305.0
5°	307.7	307.7	306.4	305.0	305.0	305.0	303.6	303.6	303.6	303.6	305.0
7.5°	307.7	306.4	305.0	305.0	303.6	303.6	303.6	303.6	303.6	303.6	305.0
10°	305.0	305.0	303.6	303.6	302.2	303.6	303.6	303.6	303.6	303.6	306.4
12.5°	303.6	303.6	302.2	300.9	300.9	300.9	302.2	302.2	302.2	303.6	306.4
15°	300.9	300.9	299.5	299.5	299.5	299.5	300.9	300.9	302.2	303.6	306.4
17.5°	298.1	298.1	296.8	296.8	296.8	298.1	298.1	299.5	300.9	303.6	306.4
20°	294.0	294.0	294.0	294.0	294.0	295.4	295.4	296.8	299.5	302.2	306.4
22.5°	289.9	289.9	289.9	289.9	289.9	291.3	292.6	295.4	296.8	300.9	305.0
25°	284.4	284.4	284.4	284.4	285.8	287.1	288.5	291.3	294.0	298.1	303.6
27.5°	278.9	280.3	280.3	280.3	281.6	283.0	284.4	287.1	291.3	296.8	300.9
30°	273.4	273.4	273.4	274.8	276.1	277.5	280.3	283.0	287.1	292.6	298.1
32.5°	266.5	266.5	267.9	267.9	270.7	272.0	274.8	278.9	283.0	288.5	294.0
35°	259.7	259.7	259.7	262.4	263.8	266.5	267.9	272.0	277.5	283.0	288.5
37.5°	251.4	252.8	252.8	254.2	256.9	259.7	261.0	266.5	272.0	277.5	283.0
40°	243.2	244.5	244.5	245.9	250.0	251.4	254.2	259.7	263.8	270.7	276.1
42.5°	234.9	234.9	236.3	237.7	241.8	243.2	245.9	251.4	256.9	262.4	267.9
45°	223.9	225.3	226.7	228.1	232.2	234.9	237.7	241.8	247.3	252.8	258.3
47.5°	214.3	214.3	215.7	218.4	222.6	225.3	226.7	232.2	236.3	241.8	247.3
50°	203.3	204.7	204.7	207.5	211.6	214.3	215.7	221.2	225.3	230.8	236.3
52.5°	191.0	192.3	193.7	196.5	200.6	203.3	204.7	208.8	212.9	218.4	222.6
55°	180.0	181.3	181.3	184.1	188.2	189.6	192.3	195.1	200.6	204.7	210.2
57.5°	167.6	169.0	169.0	171.7	174.5	177.2	178.6	182.7	186.8	191.0	195.1
60°	153.9	155.2	156.6	158.0	160.7	163.5	164.9	167.6	171.7	175.9	180.0
62.5°	140.1	141.5	142.9	144.3	147.0	148.4	149.8	153.9	156.6	160.7	163.5
65°	126.4	127.8	129.1	130.5	131.9	133.3	134.6	137.4	140.1	144.3	145.6
67.5°	112.7	114.0	114.0	115.4	116.8	118.2	119.5	122.3	123.6	127.8	129.1
70°	98.9	98.9	98.9	100.3	100.3	101.7	103.0	105.8	107.2	109.9	112.7
72.5°	82.4	83.8	83.8	83.8	85.2	86.6	87.9	89.3	90.7	92.0	94.8
75°	67.3	68.7	67.3	68.7	70.1	70.1	71.4	72.8	74.2	75.6	76.9
77.5°	53.6	52.2	53.6	53.6	55.0	55.0	55.0	56.3	59.1	59.1	61.8
80°	38.5	38.5	38.5	38.5	39.8	39.8	41.2	41.2	44.0	45.3	46.7
82.5°	24.7	24.7	26.1	26.1	26.1	27.5	27.5	28.9	30.2	31.6	33.0
85°	13.7	13.7	13.7	15.1	15.1	16.5	16.5	17.9	19.2	20.6	22.0
87.5°	4.1	5.5	6.9	6.9	8.2	8.2	9.6	9.6	12.4	13.7	15.1
90°	1.4	1.4	2.7	2.7	2.7	4.1	4.1	5.5	5.5	6.9	8.2
92.5°	23.4	55.0	114.0	170.4	147.0	137.4	82.4	24.7	22.0	23.4	23.4
95°	48.1	90.7	166.2	269.3	349.0	398.4	431.4	494.6	559.2	548.2	409.4
97.5°	70.1	116.8	200.6	295.4	405.3	461.6	504.2	579.8	662.2	730.9	780.4
100°	92.0	140.1	229.4	328.4	430.0	480.9	530.3	633.4	714.4	783.1	849.0
102.5°	115.4	163.5	255.5	358.6	458.9	508.3	556.4	647.1	737.8	820.2	884.8
105°	138.8	188.2	278.9	384.7	485.0	534.4	581.1	667.7	751.5	828.4	902.6
107.5°	163.5	210.2	299.5	405.3	505.6	555.0	601.8	688.3	769.4	846.3	913.6
110°	185.5	230.8	320.1	424.5	524.8	574.3	621.0	707.5	787.2	860.0	926.0



TEST NUMBER: P395750

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	206.1	250.0	339.3	441.0	539.9	589.4	634.7	721.3	801.0	872.4	938.3
115°	229.4	267.9	358.6	456.1	553.7	601.8	647.1	732.3	812.0	882.0	946.6
117.5°	248.7	285.8	375.1	468.5	564.7	611.4	655.3	740.5	818.8	888.9	952.1
120°	267.9	302.2	390.2	479.5	572.9	618.2	662.2	746.0	824.3	893.0	954.8
122.5°	287.1	318.7	402.5	490.5	579.8	625.1	667.7	750.1	827.1	894.4	954.8
125°	305.0	332.5	413.5	498.7	583.9	627.9	669.1	750.1	825.7	891.6	952.1
127.5°	321.5	347.6	421.8	507.0	586.6	629.2	669.1	747.4	822.9	887.5	946.6
130°	338.0	361.3	430.0	511.1	589.4	627.9	666.3	741.9	816.1	880.6	937.0
132.5°	354.5	376.4	436.9	515.2	590.8	627.9	663.6	736.4	807.8	871.0	924.6
135°	369.6	387.4	443.8	517.9	589.4	625.1	658.1	726.8	795.5	857.3	909.5
137.5°	383.3	398.4	449.3	519.3	588.0	621.0	654.0	715.8	780.4	840.8	891.6
140°	395.7	409.4	452.0	519.3	582.5	615.5	645.7	704.8	763.9	821.6	871.0
142.5°	406.7	419.0	456.1	516.6	577.0	608.6	637.5	693.8	747.4	802.3	850.4
145°	417.7	427.3	458.9	515.2	570.2	599.0	626.5	680.1	732.3	781.7	827.1
147.5°	425.9	435.5	461.6	509.7	561.9	588.0	614.1	664.9	713.0	759.7	801.0
150°	434.1	442.4	463.0	504.2	552.3	575.6	599.0	647.1	693.8	736.4	774.9
152.5°	442.4	447.9	467.1	498.7	541.3	563.3	586.6	629.2	671.8	711.7	748.8
155°	447.9	452.0	468.5	493.2	530.3	549.5	568.8	608.6	647.1	684.2	718.5
157.5°	453.4	457.5	469.9	489.1	517.9	535.8	552.3	586.6	622.4	655.3	686.9
160°	457.5	460.2	469.9	486.3	507.0	519.3	534.4	566.0	596.3	625.1	652.6
162.5°	461.6	463.0	469.9	482.2	497.3	505.6	516.6	541.3	568.8	593.5	618.2
165°	464.4	465.7	469.9	479.5	489.1	496.0	501.5	519.3	539.9	561.9	582.5
167.5°	467.1	467.1	469.9	476.7	482.2	486.3	490.5	500.1	513.8	530.3	545.4
170°	468.5	468.5	469.9	474.0	478.1	479.5	482.2	487.7	494.6	502.8	512.5
172.5°	468.5	468.5	468.5	471.2	472.6	472.6	472.6	475.4	479.5	485.0	489.1
175°	468.5	467.1	467.1	468.5	467.1	467.1	467.1	467.1	468.5	471.2	472.6
177.5°	468.5	467.1	465.7	465.7	464.4	464.4	463.0	463.0	463.0	463.0	463.0
180°	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2



TEST NUMBER: P395750

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	303.6	303.6	303.6	303.6	303.6	303.6	303.6	303.6	303.6	303.6
2.5°	305.0	305.0	303.6	302.2	302.2	302.2	300.9	299.5	298.1	298.1
5°	305.0	305.0	303.6	303.6	303.6	303.6	302.2	302.2	300.9	300.9
7.5°	306.4	305.0	305.0	305.0	305.0	305.0	305.0	305.0	303.6	303.6
10°	306.4	306.4	306.4	306.4	306.4	306.4	306.4	306.4	306.4	306.4
12.5°	307.7	307.7	307.7	307.7	309.1	309.1	309.1	309.1	309.1	309.1
15°	307.7	309.1	310.5	310.5	310.5	311.9	311.9	311.9	311.9	311.9
17.5°	309.1	310.5	311.9	311.9	313.2	313.2	314.6	314.6	314.6	314.6
20°	309.1	310.5	311.9	313.2	314.6	314.6	316.0	317.4	317.4	316.0
22.5°	307.7	310.5	311.9	313.2	314.6	316.0	317.4	318.7	318.7	318.7
25°	306.4	309.1	311.9	314.6	314.6	316.0	318.7	318.7	318.7	318.7
27.5°	305.0	307.7	310.5	313.2	314.6	316.0	317.4	318.7	318.7	318.7
30°	302.2	306.4	309.1	311.9	313.2	314.6	316.0	317.4	317.4	317.4
32.5°	298.1	302.2	305.0	309.1	310.5	311.9	313.2	314.6	314.6	314.6
35°	294.0	298.1	300.9	305.0	306.4	307.7	310.5	310.5	311.9	311.9
37.5°	287.1	292.6	295.4	299.5	300.9	302.2	305.0	306.4	306.4	306.4
40°	280.3	285.8	288.5	292.6	294.0	295.4	298.1	299.5	300.9	300.9
42.5°	272.0	277.5	280.3	284.4	285.8	287.1	289.9	291.3	292.6	292.6
45°	263.8	267.9	270.7	274.8	277.5	277.5	280.3	281.6	283.0	283.0
47.5°	252.8	256.9	259.7	263.8	266.5	267.9	269.3	270.7	272.0	272.0
50°	240.4	244.5	248.7	251.4	254.2	254.2	256.9	258.3	259.7	259.7
52.5°	228.1	230.8	234.9	239.1	240.4	241.8	243.2	244.5	245.9	245.9
55°	214.3	217.1	221.2	223.9	225.3	226.7	228.1	229.4	230.8	230.8
57.5°	199.2	202.0	206.1	208.8	210.2	211.6	212.9	214.3	215.7	215.7
60°	182.7	185.5	189.6	192.3	193.7	193.7	196.5	197.8	197.8	197.8
62.5°	166.2	169.0	171.7	174.5	175.9	177.2	178.6	180.0	180.0	180.0
65°	149.8	152.5	155.2	156.6	158.0	158.0	159.4	160.7	162.1	162.1
67.5°	131.9	134.6	137.4	138.8	140.1	140.1	141.5	142.9	142.9	142.9
70°	114.0	115.4	118.2	119.5	120.9	120.9	123.6	123.6	123.6	123.6
72.5°	96.2	97.5	100.3	101.7	103.0	103.0	104.4	105.8	105.8	105.8
75°	79.7	81.1	82.4	85.2	85.2	85.2	86.6	87.9	87.9	87.9
77.5°	63.2	64.6	65.9	67.3	68.7	68.7	70.1	71.4	71.4	71.4
80°	48.1	49.5	50.8	52.2	52.2	53.6	53.6	55.0	55.0	55.0
82.5°	34.3	35.7	37.1	38.5	39.8	39.8	41.2	42.6	42.6	41.2
85°	23.4	26.1	27.5	28.9	28.9	28.9	30.2	31.6	31.6	30.2
87.5°	16.5	16.5	17.9	19.2	19.2	20.6	20.6	22.0	22.0	22.0
90°	9.6	9.6	11.0	11.0	12.4	12.4	12.4	13.7	13.7	13.7
92.5°	23.4	23.4	24.7	24.7	24.7	24.7	26.1	26.1	26.1	26.1
95°	250.0	112.7	94.8	57.7	55.0	48.1	46.7	48.1	48.1	46.7
97.5°	839.4	898.5	935.6	953.5	931.5	908.1	882.0	877.9	842.2	762.5
100°	905.4	952.1	997.4	1029.0	1041.4	1052.4	1077.1	1092.2	1099.1	1106.0
102.5°	938.3	987.8	1027.6	1067.5	1084.0	1099.1	1121.1	1138.9	1145.8	1151.3
105°	967.2	1018.0	1062.0	1097.7	1112.8	1126.6	1148.5	1165.0	1177.4	1178.8
107.5°	974.1	1027.6	1077.1	1121.1	1138.9	1154.0	1180.1	1192.5	1203.5	1203.5
110°	986.4	1037.3	1082.6	1122.4	1140.3	1158.2	1185.6	1204.9	1215.9	1218.6





TEST NUMBER: P395750

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	996.1	1048.3	1090.8	1130.7	1145.8	1162.3	1188.4	1206.3	1215.9	1220.0
115°	1004.3	1055.1	1097.7	1134.8	1151.3	1167.8	1193.9	1209.0	1220.0	1224.1
117.5°	1009.8	1059.2	1101.8	1136.2	1154.0	1167.8	1192.5	1209.0	1220.0	1221.4
120°	1011.2	1060.6	1101.8	1136.2	1151.3	1166.4	1191.1	1207.6	1218.6	1218.6
122.5°	1011.2	1059.2	1100.5	1133.4	1147.2	1160.9	1184.3	1203.5	1213.1	1213.1
125°	1005.7	1053.8	1093.6	1126.6	1140.3	1152.7	1177.4	1195.3	1204.9	1206.3
127.5°	997.4	1044.1	1084.0	1117.0	1130.7	1141.7	1167.8	1184.3	1193.9	1195.3
130°	986.4	1033.1	1071.6	1103.2	1117.0	1129.3	1151.3	1169.2	1180.1	1182.9
132.5°	974.1	1018.0	1056.5	1086.7	1100.5	1111.5	1133.4	1151.3	1160.9	1165.0
135°	959.0	1000.2	1037.3	1067.5	1081.2	1092.2	1112.8	1130.7	1140.3	1144.4
137.5°	939.7	979.6	1015.3	1045.5	1057.9	1068.9	1089.5	1106.0	1114.2	1119.7
140°	917.7	954.8	991.9	1019.4	1031.8	1042.8	1060.6	1078.5	1086.7	1090.8
142.5°	894.4	931.5	964.5	991.9	1002.9	1013.9	1031.8	1048.3	1056.5	1057.9
145°	869.7	905.4	935.6	961.7	971.3	982.3	998.8	1015.3	1023.5	1024.9
147.5°	842.2	875.2	904.0	928.7	939.7	948.0	963.1	978.2	986.4	987.8
150°	810.6	840.8	866.9	891.6	901.3	909.5	926.0	939.7	948.0	949.3
152.5°	780.4	809.2	831.2	853.2	862.8	871.0	884.8	898.5	906.7	908.1
155°	748.8	774.9	796.8	814.7	822.9	831.2	842.2	854.5	861.4	862.8
157.5°	715.8	740.5	759.7	776.2	784.5	791.3	801.0	812.0	816.1	818.8
160°	680.1	700.7	717.2	733.6	740.5	747.4	757.0	765.2	770.7	772.1
162.5°	641.6	659.5	673.2	688.3	692.4	697.9	707.5	715.8	719.9	721.3
165°	601.8	618.2	630.6	643.0	645.7	649.8	656.7	664.9	667.7	670.4
167.5°	561.9	575.6	583.9	594.9	599.0	601.8	608.6	614.1	616.9	618.2
170°	523.4	533.1	539.9	548.2	549.5	553.7	557.8	563.3	564.7	564.7
172.5°	493.2	497.3	501.5	504.2	505.6	507.0	509.7	511.1	511.1	511.1
175°	474.0	476.7	476.7	478.1	478.1	478.1	478.1	478.1	478.1	478.1
177.5°	463.0	463.0	463.0	461.6	461.6	461.6	461.6	460.2	460.2	460.2
180°	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2

(END OF REPORT)