

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: P395715

Luminaire Tested: **I3-UL-40L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395715  
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-40L92765-1D-UNV-W2A-W-4 (4500K)  
Description: CORELITE I3, OPEN TOP  
4000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3658.3 lumens  
Efficiency: N/A  
Efficacy: 128.8 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

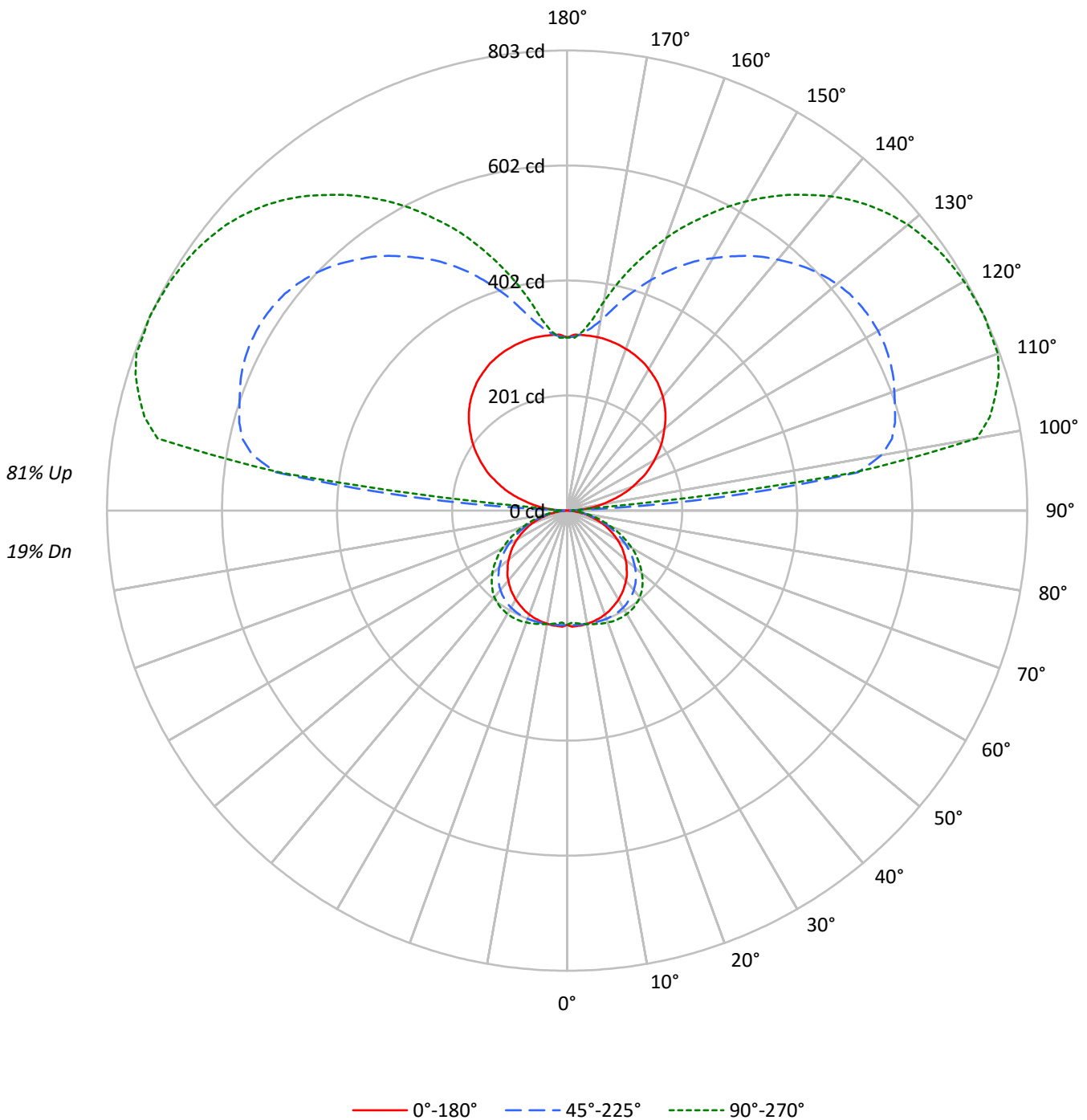
Input Watts (W): 28.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P395715

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (4500K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395715

CATALOG NUMBER: I3-UL-40L92765-1D-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	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°	1095	1095	1095
5°	1110	1079	1058
10°	1109	1072	1060
15°	1111	1068	1069
20°	1111	1073	1082
25°	1110	1075	1098
30°	1111	1076	1109
35°	1110	1071	1114
40°	1106	1063	1107
45°	1096	1041	1083
50°	1086	1007	1043
55°	1067	958	984
60°	1034	889	905
65°	988	792	807
70°	934	686	680
75°	810	538	546
80°	643	388	395
85°	382	225	260



TEST NUMBER: P395715

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (4500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.1	0.5
10°-20°	56.8	1.6
20°-30°	91.5	2.5
30°-40°	117.7	3.2
40°-50°	129.3	3.5
50°-60°	121.5	3.3
60°-70°	94.4	2.6
70°-80°	54.2	1.5
80°-90°	17.3	0.5
90°-100°	233.9	6.4
100°-110°	555.7	15.2
110°-120°	558.3	15.3
120°-130°	512.0	14.0
130°-140°	428.1	11.7
140°-150°	321.3	8.8
150°-160°	209.2	5.7
160°-170°	107.7	2.9
170°-180°	30.5	0.8
0°-30°	167.4	4.6
0°-40°	285.1	7.8
0°-60°	535.8	14.6
0°-90°	701.7	19.2
90°-120°	1347.8	36.8
90°-150°	2609.2	71.3
90°-180°	2957.0	80.8
0°-180°	3658.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	199	199	199	199	199	
5°	202	200	200	199	197	19
15°	197	196	201	204	205	56
25°	187	188	199	206	209	86
35°	170	175	189	201	205	107
45°	147	154	170	182	186	114
55°	118	124	138	148	152	105
65°	83	88	96	104	106	82
75°	44	46	50	56	58	47
85°	9	11	14	19	20	11
90°	1	3	5	8	9	3
95°	32	262	269	36	31	31
105°	91	351	592	730	774	96
115°	151	395	621	756	803	148
125°	200	412	625	748	792	179
135°	242	410	597	710	751	187
145°	274	393	543	637	673	171
155°	294	361	472	540	566	136
165°	305	326	382	424	440	86
175°	307	306	310	314	314	29
180°	302	302	302	302	302	



TEST NUMBER: P395715

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	199.3	199.3	199.3	199.3	199.3	199.3	199.3	199.3	199.3	199.3	199.3
2.5°	202.9	202.0	201.1	201.1	200.2	200.2	200.2	199.3	199.3	199.3	200.2
5°	202.0	202.0	201.1	200.2	200.2	200.2	199.3	199.3	199.3	199.3	200.2
7.5°	202.0	201.1	200.2	200.2	199.3	199.3	199.3	199.3	199.3	199.3	200.2
10°	200.2	200.2	199.3	199.3	198.3	199.3	199.3	199.3	199.3	199.3	201.1
12.5°	199.3	199.3	198.3	197.4	197.4	197.4	198.3	198.3	198.3	199.3	201.1
15°	197.4	197.4	196.5	196.5	196.5	196.5	197.4	197.4	198.3	199.3	201.1
17.5°	195.6	195.6	194.7	194.7	194.7	195.6	195.6	196.5	197.4	199.3	201.1
20°	192.9	192.9	192.9	192.9	192.9	193.8	193.8	194.7	196.5	198.3	201.1
22.5°	190.2	190.2	190.2	190.2	190.2	191.1	192.0	193.8	194.7	197.4	200.2
25°	186.6	186.6	186.6	186.6	187.5	188.4	189.3	191.1	192.9	195.6	199.3
27.5°	183.0	183.9	183.9	183.9	184.8	185.7	186.6	188.4	191.1	194.7	197.4
30°	179.4	179.4	179.4	180.3	181.2	182.1	183.9	185.7	188.4	192.0	195.6
32.5°	174.9	174.9	175.8	175.8	177.6	178.5	180.3	183.0	185.7	189.3	192.9
35°	170.4	170.4	170.4	172.2	173.1	174.9	175.8	178.5	182.1	185.7	189.3
37.5°	165.0	165.9	165.9	166.8	168.6	170.4	171.3	174.9	178.5	182.1	185.7
40°	159.6	160.5	160.5	161.4	164.1	165.0	166.8	170.4	173.1	177.6	181.2
42.5°	154.2	154.2	155.1	156.0	158.7	159.6	161.4	165.0	168.6	172.2	175.8
45°	147.0	147.9	148.8	149.7	152.4	154.2	156.0	158.7	162.3	165.9	169.5
47.5°	140.6	140.6	141.5	143.4	146.1	147.9	148.8	152.4	155.1	158.7	162.3
50°	133.4	134.3	134.3	136.1	138.8	140.6	141.5	145.2	147.9	151.5	155.1
52.5°	125.3	126.2	127.1	128.9	131.6	133.4	134.3	137.0	139.7	143.4	146.1
55°	118.1	119.0	119.0	120.8	123.5	124.4	126.2	128.0	131.6	134.3	137.9
57.5°	110.0	110.9	110.9	112.7	114.5	116.3	117.2	119.9	122.6	125.3	128.0
60°	101.0	101.9	102.8	103.7	105.5	107.3	108.2	110.0	112.7	115.4	118.1
62.5°	92.0	92.9	93.8	94.7	96.5	97.4	98.3	101.0	102.8	105.5	107.3
65°	82.9	83.8	84.7	85.7	86.6	87.5	88.4	90.2	92.0	94.7	95.6
67.5°	73.9	74.8	74.8	75.7	76.6	77.5	78.4	80.2	81.1	83.8	84.7
70°	64.9	64.9	64.9	65.8	65.8	66.7	67.6	69.4	70.3	72.1	73.9
72.5°	54.1	55.0	55.0	55.0	55.9	56.8	57.7	58.6	59.5	60.4	62.2
75°	44.2	45.1	44.2	45.1	46.0	46.0	46.9	47.8	48.7	49.6	50.5
77.5°	35.2	34.3	35.2	35.2	36.1	36.1	36.1	37.0	38.8	38.8	40.6
80°	25.2	25.2	25.2	25.2	26.1	26.1	27.0	27.0	28.9	29.8	30.7
82.5°	16.2	16.2	17.1	17.1	17.1	18.0	18.0	18.9	19.8	20.7	21.6
85°	9.0	9.0	9.0	9.9	9.9	10.8	10.8	11.7	12.6	13.5	14.4
87.5°	2.7	3.6	4.5	4.5	5.4	5.4	6.3	6.3	8.1	9.0	9.9
90°	0.9	0.9	1.8	1.8	1.8	2.7	2.7	3.6	3.6	4.5	5.4
92.5°	15.3	36.1	74.8	111.8	96.5	90.2	54.1	16.2	14.4	15.3	15.3
95°	31.6	59.5	109.1	176.7	229.0	261.5	283.1	324.6	366.9	359.7	268.7
97.5°	46.0	76.6	131.6	193.8	266.0	302.9	330.9	380.5	434.6	479.6	512.1
100°	60.4	92.0	150.6	215.5	282.2	315.6	348.0	415.6	468.8	513.9	557.2
102.5°	75.7	107.3	167.7	235.3	301.1	333.6	365.1	424.6	484.2	538.2	580.6
105°	91.1	123.5	183.0	252.4	318.3	350.7	381.4	438.2	493.2	543.7	592.3
107.5°	107.3	137.9	196.5	266.0	331.8	364.2	394.9	451.7	504.9	555.4	599.6
110°	121.7	151.5	210.1	278.6	344.4	376.9	407.5	464.3	516.6	564.4	607.7



TEST NUMBER: P395715

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	135.2	164.1	222.7	289.4	354.3	386.8	416.5	473.3	525.6	572.5	615.8
115°	150.6	175.8	235.3	299.3	363.3	394.9	424.6	480.5	532.8	578.8	621.2
117.5°	163.2	187.5	246.1	307.4	370.6	401.2	430.1	486.0	537.3	583.3	624.8
120°	175.8	198.3	256.1	314.7	376.0	405.7	434.6	489.6	541.0	586.0	626.6
122.5°	188.4	209.2	264.2	321.9	380.5	410.2	438.2	492.3	542.8	586.9	626.6
125°	200.2	218.2	271.4	327.3	383.2	412.0	439.1	492.3	541.9	585.1	624.8
127.5°	211.0	228.1	276.8	332.7	385.0	412.9	439.1	490.5	540.1	582.4	621.2
130°	221.8	237.1	282.2	335.4	386.8	412.0	437.3	486.9	535.5	577.9	614.9
132.5°	232.6	247.0	286.7	338.1	387.7	412.0	435.5	483.3	530.1	571.6	606.8
135°	242.5	254.2	291.2	339.9	386.8	410.2	431.9	476.9	522.0	562.6	596.9
137.5°	251.5	261.5	294.8	340.8	385.9	407.5	429.2	469.7	512.1	551.8	585.1
140°	259.7	268.7	296.6	340.8	382.3	403.9	423.7	462.5	501.3	539.1	571.6
142.5°	266.9	275.0	299.3	339.0	378.7	399.4	418.3	455.3	490.5	526.5	558.1
145°	274.1	280.4	301.1	338.1	374.2	393.1	411.1	446.3	480.5	513.0	542.8
147.5°	279.5	285.8	302.9	334.5	368.7	385.9	403.0	436.4	467.9	498.6	525.6
150°	284.9	290.3	303.8	330.9	362.4	377.8	393.1	424.6	455.3	483.3	508.5
152.5°	290.3	293.9	306.5	327.3	355.2	369.7	385.0	412.9	440.9	467.0	491.4
155°	293.9	296.6	307.4	323.7	348.0	360.6	373.3	399.4	424.6	449.0	471.5
157.5°	297.5	300.2	308.3	321.0	339.9	351.6	362.4	385.0	408.4	430.1	450.8
160°	300.2	302.0	308.3	319.2	332.7	340.8	350.7	371.5	391.3	410.2	428.3
162.5°	302.9	303.8	308.3	316.5	326.4	331.8	339.0	355.2	373.3	389.5	405.7
165°	304.7	305.6	308.3	314.7	321.0	325.5	329.1	340.8	354.3	368.7	382.3
167.5°	306.5	306.5	308.3	312.9	316.5	319.2	321.9	328.2	337.2	348.0	357.9
170°	307.4	307.4	308.3	311.0	313.8	314.7	316.5	320.1	324.6	330.0	336.3
172.5°	307.4	307.4	307.4	309.2	310.1	310.1	310.1	311.9	314.7	318.3	321.0
175°	307.4	306.5	306.5	307.4	306.5	306.5	306.5	306.5	307.4	309.2	310.1
177.5°	307.4	306.5	305.6	305.6	304.7	304.7	303.8	303.8	303.8	303.8	303.8
180°	302.0	302.0	302.0	302.0	302.0	302.0	302.0	302.0	302.0	302.0	302.0



TEST NUMBER: P395715

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	199.3	199.3	199.3	199.3	199.3	199.3	199.3	199.3	199.3	199.3
2.5°	200.2	200.2	199.3	198.3	198.3	198.3	197.4	196.5	195.6	195.6
5°	200.2	200.2	199.3	199.3	199.3	199.3	198.3	198.3	197.4	197.4
7.5°	201.1	200.2	200.2	200.2	200.2	200.2	200.2	200.2	199.3	199.3
10°	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1
12.5°	202.0	202.0	202.0	202.0	202.9	202.9	202.9	202.9	202.9	202.9
15°	202.0	202.9	203.8	203.8	203.8	204.7	204.7	204.7	204.7	204.7
17.5°	202.9	203.8	204.7	204.7	205.6	205.6	206.5	206.5	206.5	206.5
20°	202.9	203.8	204.7	205.6	206.5	206.5	207.4	208.3	208.3	207.4
22.5°	202.0	203.8	204.7	205.6	206.5	207.4	208.3	209.2	209.2	209.2
25°	201.1	202.9	204.7	206.5	206.5	207.4	209.2	209.2	209.2	209.2
27.5°	200.2	202.0	203.8	205.6	206.5	207.4	208.3	209.2	209.2	209.2
30°	198.3	201.1	202.9	204.7	205.6	206.5	207.4	208.3	208.3	208.3
32.5°	195.6	198.3	200.2	202.9	203.8	204.7	205.6	206.5	206.5	206.5
35°	192.9	195.6	197.4	200.2	201.1	202.0	203.8	203.8	204.7	204.7
37.5°	188.4	192.0	193.8	196.5	197.4	198.3	200.2	201.1	201.1	201.1
40°	183.9	187.5	189.3	192.0	192.9	193.8	195.6	196.5	197.4	197.4
42.5°	178.5	182.1	183.9	186.6	187.5	188.4	190.2	191.1	192.0	192.0
45°	173.1	175.8	177.6	180.3	182.1	182.1	183.9	184.8	185.7	185.7
47.5°	165.9	168.6	170.4	173.1	174.9	175.8	176.7	177.6	178.5	178.5
50°	157.8	160.5	163.2	165.0	166.8	166.8	168.6	169.5	170.4	170.4
52.5°	149.7	151.5	154.2	156.9	157.8	158.7	159.6	160.5	161.4	161.4
55°	140.6	142.5	145.2	147.0	147.9	148.8	149.7	150.6	151.5	151.5
57.5°	130.7	132.5	135.2	137.0	137.9	138.8	139.7	140.6	141.5	141.5
60°	119.9	121.7	124.4	126.2	127.1	127.1	128.9	129.8	129.8	129.8
62.5°	109.1	110.9	112.7	114.5	115.4	116.3	117.2	118.1	118.1	118.1
65°	98.3	100.1	101.9	102.8	103.7	103.7	104.6	105.5	106.4	106.4
67.5°	86.6	88.4	90.2	91.1	92.0	92.0	92.9	93.8	93.8	93.8
70°	74.8	75.7	77.5	78.4	79.3	79.3	81.1	81.1	81.1	81.1
72.5°	63.1	64.0	65.8	66.7	67.6	67.6	68.5	69.4	69.4	69.4
75°	52.3	53.2	54.1	55.9	55.9	55.9	56.8	57.7	57.7	57.7
77.5°	41.5	42.4	43.3	44.2	45.1	45.1	46.0	46.9	46.9	46.9
80°	31.6	32.5	33.4	34.3	34.3	35.2	35.2	36.1	36.1	36.1
82.5°	22.5	23.4	24.3	25.2	26.1	26.1	27.0	27.9	27.9	27.0
85°	15.3	17.1	18.0	18.9	18.9	18.9	19.8	20.7	20.7	19.8
87.5°	10.8	10.8	11.7	12.6	12.6	13.5	13.5	14.4	14.4	14.4
90°	6.3	6.3	7.2	7.2	8.1	8.1	8.1	9.0	9.0	9.0
92.5°	15.3	15.3	16.2	16.2	16.2	16.2	17.1	17.1	17.1	17.1
95°	164.1	73.9	62.2	37.9	36.1	31.6	30.7	31.6	31.6	30.7
97.5°	550.9	589.6	614.0	625.7	611.3	595.9	578.8	576.1	552.7	500.4
100°	594.1	624.8	654.6	675.3	683.4	690.6	706.8	716.8	721.3	725.8
102.5°	615.8	648.2	674.4	700.5	711.4	721.3	735.7	747.4	751.9	755.5
105°	634.7	668.1	696.9	720.4	730.3	739.3	753.7	764.5	772.7	773.6
107.5°	639.2	674.4	706.8	735.7	747.4	757.3	774.5	782.6	789.8	789.8
110°	647.3	680.7	710.5	736.6	748.3	760.0	778.1	790.7	797.9	799.7





TEST NUMBER: P395715

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	653.7	687.9	715.9	742.0	751.9	762.7	779.9	791.6	797.9	800.6
115°	659.1	692.4	720.4	744.7	755.5	766.3	783.5	793.4	800.6	803.3
117.5°	662.7	695.1	723.1	745.6	757.3	766.3	782.6	793.4	800.6	801.5
120°	663.6	696.0	723.1	745.6	755.5	765.4	781.7	792.5	799.7	799.7
122.5°	663.6	695.1	722.2	743.8	752.8	761.8	777.2	789.8	796.1	796.1
125°	660.0	691.5	717.7	739.3	748.3	756.4	772.7	784.4	790.7	791.6
127.5°	654.6	685.2	711.4	733.0	742.0	749.2	766.3	777.2	783.5	784.4
130°	647.3	678.0	703.2	724.0	733.0	741.1	755.5	767.3	774.5	776.3
132.5°	639.2	668.1	693.3	713.2	722.2	729.4	743.8	755.5	761.8	764.5
135°	629.3	656.4	680.7	700.5	709.5	716.8	730.3	742.0	748.3	751.0
137.5°	616.7	642.8	666.3	686.1	694.2	701.4	715.0	725.8	731.2	734.8
140°	602.3	626.6	650.9	669.0	677.1	684.3	696.0	707.7	713.2	715.9
142.5°	586.9	611.3	632.9	650.9	658.2	665.4	677.1	687.9	693.3	694.2
145°	570.7	594.1	614.0	631.1	637.4	644.6	655.5	666.3	671.7	672.6
147.5°	552.7	574.3	593.2	609.5	616.7	622.1	632.0	641.9	647.3	648.2
150°	531.9	551.8	568.9	585.1	591.4	596.9	607.7	616.7	622.1	623.0
152.5°	512.1	531.0	545.5	559.9	566.2	571.6	580.6	589.6	595.0	595.9
155°	491.4	508.5	522.9	534.6	540.1	545.5	552.7	560.8	565.3	566.2
157.5°	469.7	486.0	498.6	509.4	514.8	519.3	525.6	532.8	535.5	537.3
160°	446.3	459.8	470.6	481.4	486.0	490.5	496.8	502.2	505.8	506.7
162.5°	421.0	432.8	441.8	451.7	454.4	458.0	464.3	469.7	472.4	473.3
165°	394.9	405.7	413.8	421.9	423.7	426.5	431.0	436.4	438.2	440.0
167.5°	368.7	377.8	383.2	390.4	393.1	394.9	399.4	403.0	404.8	405.7
170°	343.5	349.8	354.3	359.7	360.6	363.3	366.0	369.7	370.6	370.6
172.5°	323.7	326.4	329.1	330.9	331.8	332.7	334.5	335.4	335.4	335.4
175°	311.0	312.9	312.9	313.8	313.8	313.8	313.8	313.8	313.8	313.8
177.5°	303.8	303.8	303.8	302.9	302.9	302.9	302.9	302.0	302.0	302.0
180°	302.0	302.0	302.0	302.0	302.0	302.0	302.0	302.0	302.0	302.0

(END OF REPORT)