

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: P395719

Luminaire Tested: **I3-UL-40L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395719  
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-40L93050-1D-UNV-W2A-W-4 (3000K)  
Description: CORELITE I3, OPEN TOP  
4000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3141.5 lumens  
Efficiency: N/A  
Efficacy: 110.2 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

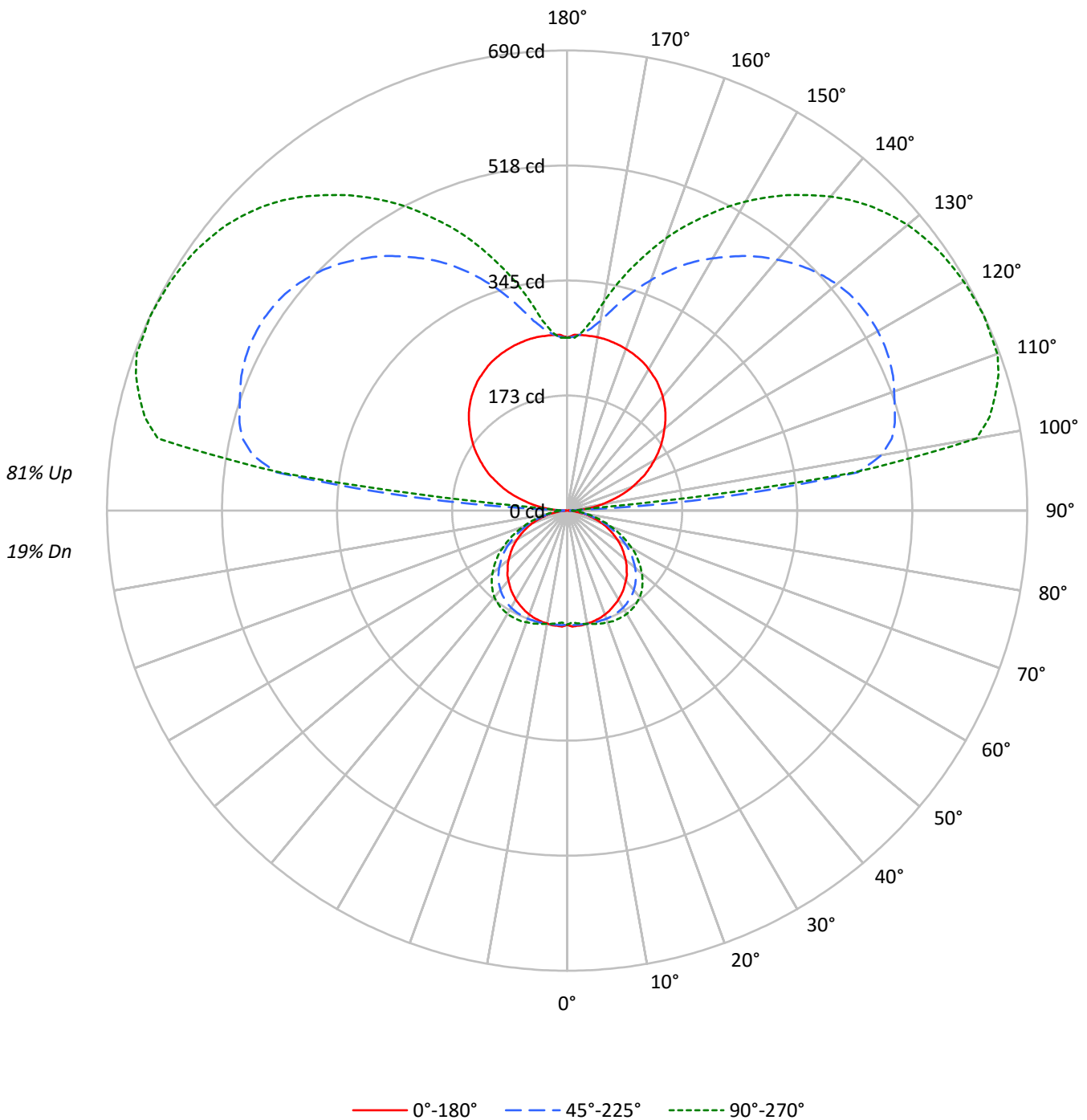
Input Watts (W): 28.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: I3-UL-40L93050-1D-UNV-W2A-W-4 (3000K)

### 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	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°	940	940	940
5°	953	927	909
10°	952	920	910
15°	954	917	918
20°	954	921	929
25°	953	923	943
30°	955	924	952
35°	953	920	956
40°	949	913	951
45°	941	894	930
50°	933	865	895
55°	916	823	845
60°	888	763	777
65°	849	680	693
70°	801	590	585
75°	695	463	468
80°	553	332	339
85°	327	194	223



TEST NUMBER: P395719

CATALOG NUMBER: I3-UL-40L93050-1D-UNV-W2A-W-4 (3000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.4	0.5
10°-20°	48.8	1.6
20°-30°	78.5	2.5
30°-40°	101.1	3.2
40°-50°	111.0	3.5
50°-60°	104.3	3.3
60°-70°	81.1	2.6
70°-80°	46.5	1.5
80°-90°	14.9	0.5
90°-100°	200.8	6.4
100°-110°	477.2	15.2
110°-120°	479.4	15.3
120°-130°	439.6	14.0
130°-140°	367.6	11.7
140°-150°	275.9	8.8
150°-160°	179.6	5.7
160°-170°	92.5	2.9
170°-180°	26.2	0.8
0°-30°	143.7	4.6
0°-40°	244.8	7.8
0°-60°	460.1	14.6
0°-90°	602.6	19.2
90°-120°	1157.4	36.8
90°-150°	2240.6	71.3
90°-180°	2539.0	80.8
0°-180°	3141.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	171	171	171	171	171	
5°	173	172	172	171	170	17
15°	170	169	173	175	176	48
25°	160	162	171	177	180	74
35°	146	150	163	173	176	91
45°	126	132	146	156	160	98
55°	101	107	118	127	130	90
65°	71	75	82	89	91	71
75°	38	40	43	48	50	40
85°	8	9	12	16	17	9
90°	1	2	5	7	8	2
95°	27	224	231	31	26	27
105°	78	301	509	627	664	83
115°	129	339	533	649	690	127
125°	172	354	536	643	680	153
135°	208	352	512	609	645	160
145°	235	338	466	547	578	147
155°	252	310	405	464	486	117
165°	262	280	328	364	378	74
175°	264	263	266	269	269	25
180°	259	259	259	259	259	



TEST NUMBER: P395719

CATALOG NUMBER: I3-UL-40L93050-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1
2.5°	174.2	173.4	172.6	172.6	171.9	171.9	171.9	171.1	171.1	171.1	171.9
5°	173.4	173.4	172.6	171.9	171.9	171.9	171.1	171.1	171.1	171.1	171.9
7.5°	173.4	172.6	171.9	171.9	171.1	171.1	171.1	171.1	171.1	171.1	171.9
10°	171.9	171.9	171.1	171.1	170.3	171.1	171.1	171.1	171.1	171.1	172.6
12.5°	171.1	171.1	170.3	169.6	169.6	169.6	170.3	170.3	170.3	171.1	172.6
15°	169.6	169.6	168.8	168.8	168.8	168.8	169.6	169.6	170.3	171.1	172.6
17.5°	168.0	168.0	167.2	167.2	167.2	168.0	168.0	168.8	169.6	171.1	172.6
20°	165.7	165.7	165.7	165.7	165.7	166.5	166.5	167.2	168.8	170.3	172.6
22.5°	163.4	163.4	163.4	163.4	163.4	164.1	164.9	166.5	167.2	169.6	171.9
25°	160.3	160.3	160.3	160.3	161.0	161.8	162.6	164.1	165.7	168.0	171.1
27.5°	157.2	157.9	157.9	157.9	158.7	159.5	160.3	161.8	164.1	167.2	169.6
30°	154.1	154.1	154.1	154.8	155.6	156.4	157.9	159.5	161.8	164.9	168.0
32.5°	150.2	150.2	151.0	151.0	152.5	153.3	154.8	157.2	159.5	162.6	165.7
35°	146.3	146.3	146.3	147.9	148.6	150.2	151.0	153.3	156.4	159.5	162.6
37.5°	141.7	142.5	142.5	143.2	144.8	146.3	147.1	150.2	153.3	156.4	159.5
40°	137.0	137.8	137.8	138.6	140.9	141.7	143.2	146.3	148.6	152.5	155.6
42.5°	132.4	132.4	133.2	133.9	136.3	137.0	138.6	141.7	144.8	147.9	151.0
45°	126.2	127.0	127.7	128.5	130.8	132.4	133.9	136.3	139.4	142.5	145.6
47.5°	120.8	120.8	121.6	123.1	125.4	127.0	127.7	130.8	133.2	136.3	139.4
50°	114.6	115.4	115.4	116.9	119.2	120.8	121.6	124.6	127.0	130.1	133.2
52.5°	107.6	108.4	109.2	110.7	113.0	114.6	115.4	117.7	120.0	123.1	125.4
55°	101.4	102.2	102.2	103.7	106.1	106.8	108.4	109.9	113.0	115.4	118.5
57.5°	94.5	95.2	95.2	96.8	98.3	99.9	100.6	103.0	105.3	107.6	109.9
60°	86.7	87.5	88.3	89.0	90.6	92.1	92.9	94.5	96.8	99.1	101.4
62.5°	79.0	79.7	80.5	81.3	82.8	83.6	84.4	86.7	88.3	90.6	92.1
65°	71.2	72.0	72.8	73.6	74.3	75.1	75.9	77.4	79.0	81.3	82.1
67.5°	63.5	64.3	64.3	65.0	65.8	66.6	67.4	68.9	69.7	72.0	72.8
70°	55.7	55.7	55.7	56.5	56.5	57.3	58.1	59.6	60.4	61.9	63.5
72.5°	46.5	47.2	47.2	47.2	48.0	48.8	49.5	50.3	51.1	51.9	53.4
75°	37.9	38.7	37.9	38.7	39.5	39.5	40.3	41.0	41.8	42.6	43.4
77.5°	30.2	29.4	30.2	30.2	31.0	31.0	31.0	31.7	33.3	33.3	34.8
80°	21.7	21.7	21.7	21.7	22.5	22.5	23.2	23.2	24.8	25.5	26.3
82.5°	13.9	13.9	14.7	14.7	14.7	15.5	15.5	16.3	17.0	17.8	18.6
85°	7.7	7.7	7.7	8.5	8.5	9.3	9.3	10.1	10.8	11.6	12.4
87.5°	2.3	3.1	3.9	3.9	4.6	4.6	5.4	5.4	7.0	7.7	8.5
90°	0.8	0.8	1.5	1.5	1.5	2.3	2.3	3.1	3.1	3.9	4.6
92.5°	13.2	31.0	64.3	96.0	82.8	77.4	46.5	13.9	12.4	13.2	13.2
95°	27.1	51.1	93.7	151.7	196.6	224.5	243.1	278.7	315.1	308.9	230.7
97.5°	39.5	65.8	113.0	166.5	228.4	260.1	284.1	326.7	373.2	411.9	439.8
100°	51.9	79.0	129.3	185.0	242.3	271.0	298.8	356.9	402.6	441.3	478.5
102.5°	65.0	92.1	144.0	202.1	258.6	286.5	313.6	364.7	415.8	462.2	498.6
105°	78.2	106.1	157.2	216.8	273.3	301.2	327.5	376.3	423.5	466.8	508.7
107.5°	92.1	118.5	168.8	228.4	284.9	312.8	339.1	387.9	433.6	476.9	514.9
110°	104.5	130.1	180.4	239.2	295.7	323.6	349.9	398.7	443.6	484.7	521.8



TEST NUMBER: P395719

CATALOG NUMBER: I3-UL-40L93050-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	116.1	140.9	191.2	248.5	304.3	332.1	357.7	406.5	451.4	491.6	528.8
115°	129.3	151.0	202.1	257.0	312.0	339.1	364.7	412.7	457.6	497.0	533.4
117.5°	140.1	161.0	211.4	264.0	318.2	344.5	369.3	417.3	461.4	500.9	536.5
120°	151.0	170.3	219.9	270.2	322.8	348.4	373.2	420.4	464.5	503.2	538.1
122.5°	161.8	179.6	226.8	276.4	326.7	352.3	376.3	422.7	466.1	504.0	538.1
125°	171.9	187.4	233.0	281.0	329.0	353.8	377.0	422.7	465.3	502.5	536.5
127.5°	181.2	195.9	237.7	285.7	330.6	354.6	377.0	421.2	463.8	500.1	533.4
130°	190.5	203.6	242.3	288.0	332.1	353.8	375.5	418.1	459.9	496.3	528.0
132.5°	199.7	212.1	246.2	290.3	332.9	353.8	373.9	415.0	455.2	490.9	521.0
135°	208.3	218.3	250.1	291.9	332.1	352.3	370.8	409.6	448.3	483.1	512.5
137.5°	216.0	224.5	253.2	292.7	331.4	349.9	368.5	403.4	439.8	473.8	502.5
140°	223.0	230.7	254.7	292.7	328.3	346.8	363.9	397.2	430.5	463.0	490.9
142.5°	229.2	236.1	257.0	291.1	325.2	343.0	359.2	391.0	421.2	452.1	479.2
145°	235.4	240.8	258.6	290.3	321.3	337.6	353.0	383.2	412.7	440.5	466.1
147.5°	240.0	245.4	260.1	287.2	316.7	331.4	346.1	374.7	401.8	428.1	451.4
150°	244.7	249.3	260.9	284.1	311.2	324.4	337.6	364.7	391.0	415.0	436.7
152.5°	249.3	252.4	263.2	281.0	305.0	317.4	330.6	354.6	378.6	401.0	421.9
155°	252.4	254.7	264.0	277.9	298.8	309.7	320.5	343.0	364.7	385.6	404.9
157.5°	255.5	257.8	264.8	275.6	291.9	301.9	311.2	330.6	350.7	369.3	387.1
160°	257.8	259.4	264.8	274.1	285.7	292.7	301.2	319.0	336.0	352.3	367.8
162.5°	260.1	260.9	264.8	271.7	280.3	284.9	291.1	305.0	320.5	334.5	348.4
165°	261.7	262.5	264.8	270.2	275.6	279.5	282.6	292.7	304.3	316.7	328.3
167.5°	263.2	263.2	264.8	268.7	271.7	274.1	276.4	281.8	289.6	298.8	307.4
170°	264.0	264.0	264.8	267.1	269.4	270.2	271.7	274.8	278.7	283.4	288.8
172.5°	264.0	264.0	264.0	265.6	266.3	266.3	266.3	267.9	270.2	273.3	275.6
175°	264.0	263.2	263.2	264.0	263.2	263.2	263.2	263.2	264.0	265.6	266.3
177.5°	264.0	263.2	262.5	262.5	261.7	261.7	260.9	260.9	260.9	260.9	260.9
180°	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4



TEST NUMBER: P395719

CATALOG NUMBER: I3-UL-40L93050-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1	171.1
2.5°	171.9	171.9	171.1	170.3	170.3	170.3	169.6	168.8	168.0	168.0
5°	171.9	171.9	171.1	171.1	171.1	171.1	170.3	170.3	169.6	169.6
7.5°	172.6	171.9	171.9	171.9	171.9	171.9	171.9	171.9	171.1	171.1
10°	172.6	172.6	172.6	172.6	172.6	172.6	172.6	172.6	172.6	172.6
12.5°	173.4	173.4	173.4	173.4	174.2	174.2	174.2	174.2	174.2	174.2
15°	173.4	174.2	175.0	175.0	175.0	175.7	175.7	175.7	175.7	175.7
17.5°	174.2	175.0	175.7	175.7	176.5	176.5	177.3	177.3	177.3	177.3
20°	174.2	175.0	175.7	176.5	177.3	177.3	178.1	178.8	178.8	178.1
22.5°	173.4	175.0	175.7	176.5	177.3	178.1	178.8	179.6	179.6	179.6
25°	172.6	174.2	175.7	177.3	177.3	178.1	179.6	179.6	179.6	179.6
27.5°	171.9	173.4	175.0	176.5	177.3	178.1	178.8	179.6	179.6	179.6
30°	170.3	172.6	174.2	175.7	176.5	177.3	178.1	178.8	178.8	178.8
32.5°	168.0	170.3	171.9	174.2	175.0	175.7	176.5	177.3	177.3	177.3
35°	165.7	168.0	169.6	171.9	172.6	173.4	175.0	175.0	175.7	175.7
37.5°	161.8	164.9	166.5	168.8	169.6	170.3	171.9	172.6	172.6	172.6
40°	157.9	161.0	162.6	164.9	165.7	166.5	168.0	168.8	169.6	169.6
42.5°	153.3	156.4	157.9	160.3	161.0	161.8	163.4	164.1	164.9	164.9
45°	148.6	151.0	152.5	154.8	156.4	156.4	157.9	158.7	159.5	159.5
47.5°	142.5	144.8	146.3	148.6	150.2	151.0	151.7	152.5	153.3	153.3
50°	135.5	137.8	140.1	141.7	143.2	143.2	144.8	145.6	146.3	146.3
52.5°	128.5	130.1	132.4	134.7	135.5	136.3	137.0	137.8	138.6	138.6
55°	120.8	122.3	124.6	126.2	127.0	127.7	128.5	129.3	130.1	130.1
57.5°	112.3	113.8	116.1	117.7	118.5	119.2	120.0	120.8	121.6	121.6
60°	103.0	104.5	106.8	108.4	109.2	109.2	110.7	111.5	111.5	111.5
62.5°	93.7	95.2	96.8	98.3	99.1	99.9	100.6	101.4	101.4	101.4
65°	84.4	85.9	87.5	88.3	89.0	89.0	89.8	90.6	91.4	91.4
67.5°	74.3	75.9	77.4	78.2	79.0	79.0	79.7	80.5	80.5	80.5
70°	64.3	65.0	66.6	67.4	68.1	68.1	69.7	69.7	69.7	69.7
72.5°	54.2	55.0	56.5	57.3	58.1	58.1	58.8	59.6	59.6	59.6
75°	44.9	45.7	46.5	48.0	48.0	48.0	48.8	49.5	49.5	49.5
77.5°	35.6	36.4	37.2	37.9	38.7	38.7	39.5	40.3	40.3	40.3
80°	27.1	27.9	28.6	29.4	29.4	30.2	30.2	31.0	31.0	31.0
82.5°	19.4	20.1	20.9	21.7	22.5	22.5	23.2	24.0	24.0	23.2
85°	13.2	14.7	15.5	16.3	16.3	16.3	17.0	17.8	17.8	17.0
87.5°	9.3	9.3	10.1	10.8	10.8	11.6	11.6	12.4	12.4	12.4
90°	5.4	5.4	6.2	6.2	7.0	7.0	7.0	7.7	7.7	7.7
92.5°	13.2	13.2	13.9	13.9	13.9	13.9	14.7	14.7	14.7	14.7
95°	140.9	63.5	53.4	32.5	31.0	27.1	26.3	27.1	27.1	26.3
97.5°	473.0	506.3	527.2	537.3	524.9	511.8	497.0	494.7	474.6	429.7
100°	510.2	536.5	562.1	579.9	586.9	593.0	607.0	615.5	619.4	623.2
102.5°	528.8	556.7	579.1	601.6	610.9	619.4	631.8	641.8	645.7	648.8
105°	545.0	573.7	598.5	618.6	627.1	634.9	647.2	656.5	663.5	664.3
107.5°	548.9	579.1	607.0	631.8	641.8	650.3	665.0	672.0	678.2	678.2
110°	555.9	584.5	610.1	632.5	642.6	652.7	668.1	679.0	685.2	686.7





TEST NUMBER: P395719

CATALOG NUMBER: I3-UL-40L93050-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	561.3	590.7	614.7	637.2	645.7	655.0	669.7	679.8	685.2	687.5
115°	565.9	594.6	618.6	639.5	648.8	658.1	672.8	681.3	687.5	689.8
117.5°	569.0	596.9	620.9	640.3	650.3	658.1	672.0	681.3	687.5	688.3
120°	569.8	597.7	620.9	640.3	648.8	657.3	671.2	680.5	686.7	686.7
122.5°	569.8	596.9	620.1	638.7	646.5	654.2	667.4	678.2	683.6	683.6
125°	566.7	593.8	616.3	634.9	642.6	649.6	663.5	673.6	679.0	679.8
127.5°	562.1	588.4	610.9	629.4	637.2	643.4	658.1	667.4	672.8	673.6
130°	555.9	582.2	603.9	621.7	629.4	636.4	648.8	658.9	665.0	666.6
132.5°	548.9	573.7	595.4	612.4	620.1	626.3	638.7	648.8	654.2	656.5
135°	540.4	563.6	584.5	601.6	609.3	615.5	627.1	637.2	642.6	644.9
137.5°	529.6	552.0	572.1	589.2	596.1	602.3	613.9	623.2	627.9	631.0
140°	517.2	538.1	559.0	574.5	581.4	587.6	597.7	607.8	612.4	614.7
142.5°	504.0	524.9	543.5	559.0	565.2	571.4	581.4	590.7	595.4	596.1
145°	490.1	510.2	527.2	541.9	547.4	553.6	562.9	572.1	576.8	577.6
147.5°	474.6	493.2	509.4	523.4	529.6	534.2	542.7	551.2	555.9	556.7
150°	456.8	473.8	488.5	502.5	507.9	512.5	521.8	529.6	534.2	535.0
152.5°	439.8	456.0	468.4	480.8	486.2	490.9	498.6	506.3	511.0	511.8
155°	421.9	436.7	449.0	459.1	463.8	468.4	474.6	481.6	485.4	486.2
157.5°	403.4	417.3	428.1	437.4	442.1	445.9	451.4	457.6	459.9	461.4
160°	383.2	394.8	404.1	413.4	417.3	421.2	426.6	431.2	434.3	435.1
162.5°	361.6	371.6	379.4	387.9	390.2	393.3	398.7	403.4	405.7	406.5
165°	339.1	348.4	355.4	362.3	363.9	366.2	370.1	374.7	376.3	377.8
167.5°	316.7	324.4	329.0	335.2	337.6	339.1	343.0	346.1	347.6	348.4
170°	295.0	300.4	304.3	308.9	309.7	312.0	314.3	317.4	318.2	318.2
172.5°	277.9	280.3	282.6	284.1	284.9	285.7	287.2	288.0	288.0	288.0
175°	267.1	268.7	268.7	269.4	269.4	269.4	269.4	269.4	269.4	269.4
177.5°	260.9	260.9	260.9	260.1	260.1	260.1	260.1	259.4	259.4	259.4
180°	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4

(END OF REPORT)