

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: P395720

Luminaire Tested: **I3-UL-40L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395720  
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 (3500K)  
Description: CORELITE I3, OPEN TOP  
4000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3432.2 lumens  
Efficiency: N/A  
Efficacy: 120.9 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

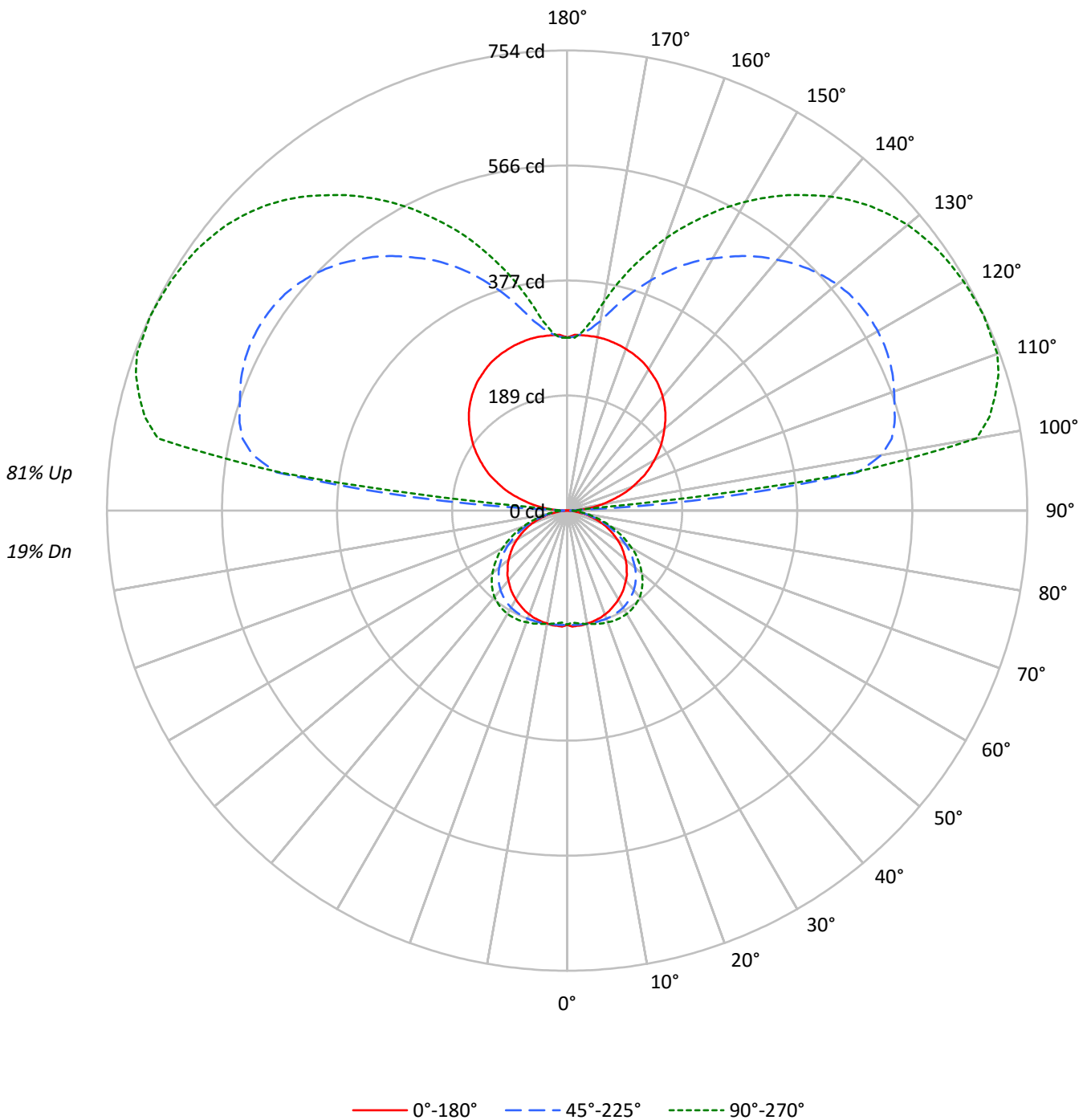
Input Watts (W): 28.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





TEST NUMBER: P395720

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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	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°	1027	1027	1027
5°	1042	1013	993
10°	1040	1006	994
15°	1042	1002	1003
20°	1043	1006	1015
25°	1041	1008	1030
30°	1043	1010	1040
35°	1042	1005	1045
40°	1037	997	1038
45°	1028	976	1016
50°	1019	945	979
55°	1001	899	923
60°	970	834	849
65°	927	743	757
70°	876	645	638
75°	759	505	512
80°	604	364	370
85°	361	211	244



TEST NUMBER: P395720

CATALOG NUMBER: I3-UL-40L93050-1D-UNV-W2A-W-4 (3500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.9	0.5
10°-20°	53.3	1.6
20°-30°	85.8	2.5
30°-40°	110.4	3.2
40°-50°	121.3	3.5
50°-60°	114.0	3.3
60°-70°	88.6	2.6
70°-80°	50.8	1.5
80°-90°	16.3	0.5
90°-100°	219.4	6.4
100°-110°	521.4	15.2
110°-120°	523.7	15.3
120°-130°	480.3	14.0
130°-140°	401.6	11.7
140°-150°	301.4	8.8
150°-160°	196.2	5.7
160°-170°	101.1	2.9
170°-180°	28.6	0.8
0°-30°	157.0	4.6
0°-40°	267.4	7.8
0°-60°	502.7	14.6
0°-90°	658.4	19.2
90°-120°	1264.5	36.8
90°-150°	2447.9	71.3
90°-180°	2774.0	80.8
0°-180°	3432.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	187	187	187	187	187	
5°	190	188	188	187	185	18
15°	185	184	189	191	192	52
25°	175	177	187	194	196	81
35°	160	164	178	189	192	100
45°	138	145	159	171	174	107
55°	111	117	129	139	142	99
65°	78	82	90	97	100	77
75°	41	43	47	52	54	44
85°	8	10	14	18	19	10
90°	1	2	5	8	8	3
95°	30	245	252	34	29	29
105°	85	329	556	685	726	90
115°	141	370	583	709	754	139
125°	188	387	586	702	743	168
135°	228	385	560	666	705	175
145°	257	369	509	598	631	161
155°	276	338	442	507	531	127
165°	286	305	359	398	413	81
175°	288	288	291	294	294	28
180°	283	283	283	283	283	



TEST NUMBER: P395720

CATALOG NUMBER: I3-UL-40L93050-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9
2.5°	190.3	189.5	188.6	188.6	187.8	187.8	187.8	186.9	186.9	186.9	187.8
5°	189.5	189.5	188.6	187.8	187.8	187.8	186.9	186.9	186.9	186.9	187.8
7.5°	189.5	188.6	187.8	187.8	186.9	186.9	186.9	186.9	186.9	186.9	187.8
10°	187.8	187.8	186.9	186.9	186.1	186.9	186.9	186.9	186.9	186.9	188.6
12.5°	186.9	186.9	186.1	185.2	185.2	185.2	186.1	186.1	186.1	186.9	188.6
15°	185.2	185.2	184.4	184.4	184.4	184.4	185.2	185.2	186.1	186.9	188.6
17.5°	183.6	183.6	182.7	182.7	182.7	183.6	183.6	184.4	185.2	186.9	188.6
20°	181.0	181.0	181.0	181.0	181.0	181.9	181.9	182.7	184.4	186.1	188.6
22.5°	178.5	178.5	178.5	178.5	178.5	179.3	180.2	181.9	182.7	185.2	187.8
25°	175.1	175.1	175.1	175.1	175.9	176.8	177.6	179.3	181.0	183.6	186.9
27.5°	171.7	172.6	172.6	172.6	173.4	174.2	175.1	176.8	179.3	182.7	185.2
30°	168.3	168.3	168.3	169.2	170.0	170.9	172.6	174.2	176.8	180.2	183.6
32.5°	164.1	164.1	164.9	164.9	166.6	167.5	169.2	171.7	174.2	177.6	181.0
35°	159.9	159.9	159.9	161.6	162.4	164.1	164.9	167.5	170.9	174.2	177.6
37.5°	154.8	155.6	155.6	156.5	158.2	159.9	160.7	164.1	167.5	170.9	174.2
40°	149.7	150.6	150.6	151.4	153.9	154.8	156.5	159.9	162.4	166.6	170.0
42.5°	144.6	144.6	145.5	146.3	148.9	149.7	151.4	154.8	158.2	161.6	164.9
45°	137.9	138.7	139.6	140.4	143.0	144.6	146.3	148.9	152.3	155.6	159.0
47.5°	132.0	132.0	132.8	134.5	137.0	138.7	139.6	143.0	145.5	148.9	152.3
50°	125.2	126.0	126.0	127.7	130.3	132.0	132.8	136.2	138.7	142.1	145.5
52.5°	117.6	118.4	119.3	121.0	123.5	125.2	126.0	128.6	131.1	134.5	137.0
55°	110.8	111.7	111.7	113.3	115.9	116.7	118.4	120.1	123.5	126.0	129.4
57.5°	103.2	104.0	104.0	105.7	107.4	109.1	110.0	112.5	115.0	117.6	120.1
60°	94.7	95.6	96.4	97.3	99.0	100.7	101.5	103.2	105.7	108.3	110.8
62.5°	86.3	87.1	88.0	88.8	90.5	91.4	92.2	94.7	96.4	99.0	100.7
65°	77.8	78.7	79.5	80.4	81.2	82.0	82.9	84.6	86.3	88.8	89.7
67.5°	69.4	70.2	70.2	71.1	71.9	72.7	73.6	75.3	76.1	78.7	79.5
70°	60.9	60.9	60.9	61.7	61.7	62.6	63.4	65.1	66.0	67.7	69.4
72.5°	50.8	51.6	51.6	51.6	52.4	53.3	54.1	55.0	55.8	56.7	58.4
75°	41.4	42.3	41.4	42.3	43.1	43.1	44.0	44.8	45.7	46.5	47.4
77.5°	33.0	32.1	33.0	33.0	33.8	33.8	33.8	34.7	36.4	36.4	38.1
80°	23.7	23.7	23.7	23.7	24.5	24.5	25.4	25.4	27.1	27.9	28.8
82.5°	15.2	15.2	16.1	16.1	16.1	16.9	16.9	17.8	18.6	19.5	20.3
85°	8.5	8.5	8.5	9.3	9.3	10.2	10.2	11.0	11.8	12.7	13.5
87.5°	2.5	3.4	4.2	4.2	5.1	5.1	5.9	5.9	7.6	8.5	9.3
90°	0.8	0.8	1.7	1.7	1.7	2.5	2.5	3.4	3.4	4.2	5.1
92.5°	14.4	33.8	70.2	104.9	90.5	84.6	50.8	15.2	13.5	14.4	14.4
95°	29.6	55.8	102.3	165.8	214.8	245.3	265.6	304.5	344.3	337.5	252.1
97.5°	43.1	71.9	123.5	181.9	249.5	284.2	310.4	357.0	407.7	450.0	480.4
100°	56.7	86.3	141.3	202.2	264.8	296.1	326.5	389.9	439.8	482.1	522.7
102.5°	71.1	100.7	157.3	220.8	282.5	313.0	342.6	398.4	454.2	505.0	544.7
105°	85.4	115.9	171.7	236.8	298.6	329.0	357.8	411.1	462.7	510.1	555.7
107.5°	100.7	129.4	184.4	249.5	311.3	341.7	370.5	423.8	473.7	521.1	562.5
110°	114.2	142.1	197.1	261.4	323.1	353.6	382.3	435.6	484.7	529.5	570.1



TEST NUMBER: P395720

CATALOG NUMBER: I3-UL-40L93050-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	126.9	153.9	208.9	271.5	332.4	362.9	390.8	444.1	493.1	537.1	577.7
115°	141.3	164.9	220.8	280.8	340.9	370.5	398.4	450.8	499.9	543.0	582.8
117.5°	153.1	175.9	230.9	288.4	347.6	376.4	403.5	455.9	504.1	547.3	586.2
120°	164.9	186.1	240.2	295.2	352.7	380.6	407.7	459.3	507.5	549.8	587.9
122.5°	176.8	196.2	247.8	302.0	357.0	384.9	411.1	461.8	509.2	550.7	587.9
125°	187.8	204.7	254.6	307.0	359.5	386.6	411.9	461.8	508.4	549.0	586.2
127.5°	197.9	214.0	259.7	312.1	361.2	387.4	411.9	460.1	506.7	546.4	582.8
130°	208.1	222.5	264.8	314.7	362.9	386.6	410.2	456.8	502.4	542.2	576.9
132.5°	218.2	231.8	269.0	317.2	363.7	386.6	408.6	453.4	497.4	536.3	569.3
135°	227.5	238.5	273.2	318.9	362.9	384.9	405.2	447.5	489.8	527.8	560.0
137.5°	236.0	245.3	276.6	319.7	362.0	382.3	402.6	440.7	480.4	517.7	549.0
140°	243.6	252.1	278.3	319.7	358.6	378.9	397.6	433.9	470.3	505.8	536.3
142.5°	250.4	258.0	280.8	318.0	355.3	374.7	392.5	427.2	460.1	494.0	523.6
145°	257.1	263.1	282.5	317.2	351.0	368.8	385.7	418.7	450.8	481.3	509.2
147.5°	262.2	268.1	284.2	313.8	346.0	362.0	378.1	409.4	439.0	467.8	493.1
150°	267.3	272.4	285.1	310.4	340.0	354.4	368.8	398.4	427.2	453.4	477.1
152.5°	272.4	275.8	287.6	307.0	333.3	346.8	361.2	387.4	413.6	438.2	461.0
155°	275.8	278.3	288.4	303.7	326.5	338.3	350.2	374.7	398.4	421.2	442.4
157.5°	279.1	281.7	289.3	301.1	318.9	329.9	340.0	361.2	383.2	403.5	422.9
160°	281.7	283.4	289.3	299.4	312.1	319.7	329.0	348.5	367.1	384.9	401.8
162.5°	284.2	285.1	289.3	296.9	306.2	311.3	318.0	333.3	350.2	365.4	380.6
165°	285.9	286.7	289.3	295.2	301.1	305.4	308.7	319.7	332.4	346.0	358.6
167.5°	287.6	287.6	289.3	293.5	296.9	299.4	302.0	307.9	316.4	326.5	335.8
170°	288.4	288.4	289.3	291.8	294.4	295.2	296.9	300.3	304.5	309.6	315.5
172.5°	288.4	288.4	288.4	290.1	291.0	291.0	291.0	292.7	295.2	298.6	301.1
175°	288.4	287.6	287.6	288.4	287.6	287.6	287.6	287.6	288.4	290.1	291.0
177.5°	288.4	287.6	286.7	286.7	285.9	285.9	285.1	285.1	285.1	285.1	285.1
180°	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4



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CATALOG NUMBER: I3-UL-40L93050-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9
2.5°	187.8	187.8	186.9	186.1	186.1	186.1	185.2	184.4	183.6	183.6
5°	187.8	187.8	186.9	186.9	186.9	186.9	186.1	186.1	185.2	185.2
7.5°	188.6	187.8	187.8	187.8	187.8	187.8	187.8	187.8	186.9	186.9
10°	188.6	188.6	188.6	188.6	188.6	188.6	188.6	188.6	188.6	188.6
12.5°	189.5	189.5	189.5	189.5	190.3	190.3	190.3	190.3	190.3	190.3
15°	189.5	190.3	191.2	191.2	191.2	192.0	192.0	192.0	192.0	192.0
17.5°	190.3	191.2	192.0	192.0	192.9	192.9	193.7	193.7	193.7	193.7
20°	190.3	191.2	192.0	192.9	193.7	193.7	194.5	195.4	195.4	194.5
22.5°	189.5	191.2	192.0	192.9	193.7	194.5	195.4	196.2	196.2	196.2
25°	188.6	190.3	192.0	193.7	193.7	194.5	196.2	196.2	196.2	196.2
27.5°	187.8	189.5	191.2	192.9	193.7	194.5	195.4	196.2	196.2	196.2
30°	186.1	188.6	190.3	192.0	192.9	193.7	194.5	195.4	195.4	195.4
32.5°	183.6	186.1	187.8	190.3	191.2	192.0	192.9	193.7	193.7	193.7
35°	181.0	183.6	185.2	187.8	188.6	189.5	191.2	191.2	192.0	192.0
37.5°	176.8	180.2	181.9	184.4	185.2	186.1	187.8	188.6	188.6	188.6
40°	172.6	175.9	177.6	180.2	181.0	181.9	183.6	184.4	185.2	185.2
42.5°	167.5	170.9	172.6	175.1	175.9	176.8	178.5	179.3	180.2	180.2
45°	162.4	164.9	166.6	169.2	170.9	170.9	172.6	173.4	174.2	174.2
47.5°	155.6	158.2	159.9	162.4	164.1	164.9	165.8	166.6	167.5	167.5
50°	148.0	150.6	153.1	154.8	156.5	156.5	158.2	159.0	159.9	159.9
52.5°	140.4	142.1	144.6	147.2	148.0	148.9	149.7	150.6	151.4	151.4
55°	132.0	133.6	136.2	137.9	138.7	139.6	140.4	141.3	142.1	142.1
57.5°	122.6	124.3	126.9	128.6	129.4	130.3	131.1	132.0	132.8	132.8
60°	112.5	114.2	116.7	118.4	119.3	119.3	121.0	121.8	121.8	121.8
62.5°	102.3	104.0	105.7	107.4	108.3	109.1	110.0	110.8	110.8	110.8
65°	92.2	93.9	95.6	96.4	97.3	97.3	98.1	99.0	99.8	99.8
67.5°	81.2	82.9	84.6	85.4	86.3	86.3	87.1	88.0	88.0	88.0
70°	70.2	71.1	72.7	73.6	74.4	74.4	76.1	76.1	76.1	76.1
72.5°	59.2	60.1	61.7	62.6	63.4	63.4	64.3	65.1	65.1	65.1
75°	49.1	49.9	50.8	52.4	52.4	52.4	53.3	54.1	54.1	54.1
77.5°	38.9	39.8	40.6	41.4	42.3	42.3	43.1	44.0	44.0	44.0
80°	29.6	30.5	31.3	32.1	32.1	33.0	33.0	33.8	33.8	33.8
82.5°	21.1	22.0	22.8	23.7	24.5	24.5	25.4	26.2	26.2	25.4
85°	14.4	16.1	16.9	17.8	17.8	17.8	18.6	19.5	19.5	18.6
87.5°	10.2	10.2	11.0	11.8	11.8	12.7	12.7	13.5	13.5	13.5
90°	5.9	5.9	6.8	6.8	7.6	7.6	7.6	8.5	8.5	8.5
92.5°	14.4	14.4	15.2	15.2	15.2	15.2	16.1	16.1	16.1	16.1
95°	153.9	69.4	58.4	35.5	33.8	29.6	28.8	29.6	29.6	28.8
97.5°	516.8	553.2	576.0	587.0	573.5	559.1	543.0	540.5	518.5	469.5
100°	557.4	586.2	614.1	633.5	641.2	647.9	663.2	672.5	676.7	680.9
102.5°	577.7	608.2	632.7	657.2	667.4	676.7	690.2	701.2	705.4	708.8
105°	595.5	626.8	653.9	675.8	685.1	693.6	707.1	717.3	724.9	725.7
107.5°	599.7	632.7	663.2	690.2	701.2	710.5	726.6	734.2	741.0	741.0
110°	607.3	638.6	666.5	691.1	702.1	713.1	730.0	741.8	748.6	750.3





TEST NUMBER: P395720

CATALOG NUMBER: I3-UL-40L93050-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	613.2	645.4	671.6	696.1	705.4	715.6	731.7	742.7	748.6	751.1
115°	618.3	649.6	675.8	698.7	708.8	719.0	735.1	744.4	751.1	753.7
117.5°	621.7	652.2	678.4	699.5	710.5	719.0	734.2	744.4	751.1	752.0
120°	622.6	653.0	678.4	699.5	708.8	718.1	733.4	743.5	750.3	750.3
122.5°	622.6	652.2	677.5	697.8	706.3	714.8	729.1	741.0	746.9	746.9
125°	619.2	648.8	673.3	693.6	702.1	709.7	724.9	735.9	741.8	742.7
127.5°	614.1	642.9	667.4	687.7	696.1	702.9	719.0	729.1	735.1	735.9
130°	607.3	636.1	659.8	679.2	687.7	695.3	708.8	719.8	726.6	728.3
132.5°	599.7	626.8	650.5	669.1	677.5	684.3	697.8	708.8	714.8	717.3
135°	590.4	615.8	638.6	657.2	665.7	672.5	685.1	696.1	702.1	704.6
137.5°	578.6	603.1	625.1	643.7	651.3	658.1	670.8	680.9	686.0	689.4
140°	565.0	587.9	610.7	627.6	635.2	642.0	653.0	664.0	669.1	671.6
142.5°	550.7	573.5	593.8	610.7	617.5	624.2	635.2	645.4	650.5	651.3
145°	535.4	557.4	576.0	592.1	598.0	604.8	614.9	625.1	630.2	631.0
147.5°	518.5	538.8	556.6	571.8	578.6	583.6	592.9	602.3	607.3	608.2
150°	499.1	517.7	533.7	549.0	554.9	560.0	570.1	578.6	583.6	584.5
152.5°	480.4	498.2	511.7	525.3	531.2	536.3	544.7	553.2	558.3	559.1
155°	461.0	477.1	490.6	501.6	506.7	511.7	518.5	526.1	530.4	531.2
157.5°	440.7	455.9	467.8	477.9	483.0	487.2	493.1	499.9	502.4	504.1
160°	418.7	431.4	441.5	451.7	455.9	460.1	466.1	471.1	474.5	475.4
162.5°	395.0	406.0	414.5	423.8	426.3	429.7	435.6	440.7	443.2	444.1
165°	370.5	380.6	388.3	395.9	397.6	400.1	404.3	409.4	411.1	412.8
167.5°	346.0	354.4	359.5	366.3	368.8	370.5	374.7	378.1	379.8	380.6
170°	322.3	328.2	332.4	337.5	338.3	340.9	343.4	346.8	347.6	347.6
172.5°	303.7	306.2	308.7	310.4	311.3	312.1	313.8	314.7	314.7	314.7
175°	291.8	293.5	293.5	294.4	294.4	294.4	294.4	294.4	294.4	294.4
177.5°	285.1	285.1	285.1	284.2	284.2	284.2	284.2	283.4	283.4	283.4
180°	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4

(END OF REPORT)