

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: P395696

Luminaire Tested: **I3-UL-30L93050-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395696  
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-30L93050-1D-UNV-W2A-W-4 (4500K)  
Description: CORELITE I3, OPEN TOP  
3000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2830.5 lumens  
Efficiency: N/A  
Efficacy: 131.0 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

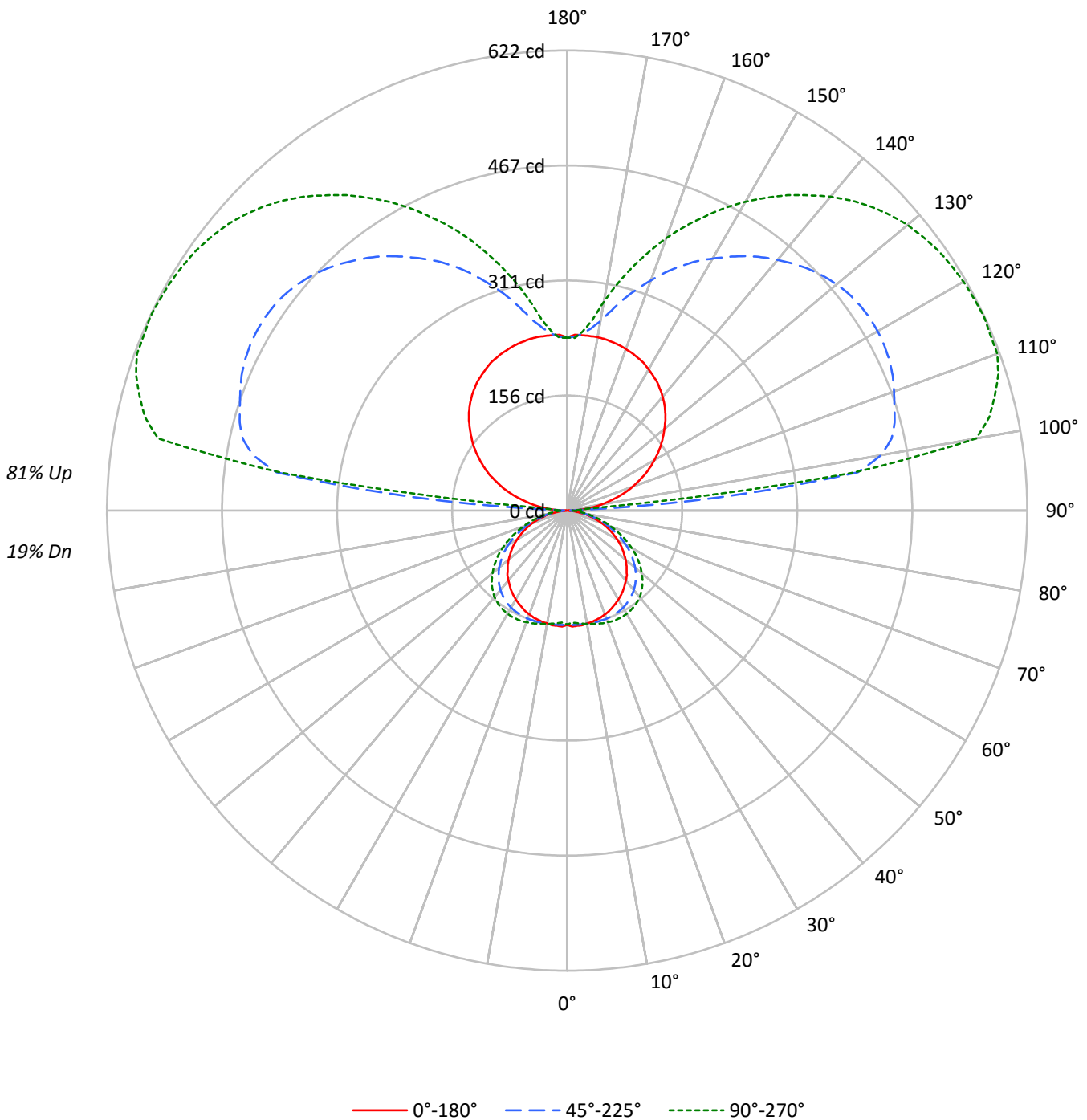
Input Watts (W): 21.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				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°	848	848	848
5°	859	835	819
10°	858	830	820
15°	860	827	827
20°	860	830	837
25°	859	832	849
30°	860	833	857
35°	859	829	861
40°	856	823	857
45°	848	805	838
50°	840	779	807
55°	826	741	761
60°	800	688	700
65°	765	612	624
70°	722	531	527
75°	627	417	422
80°	497	299	306
85°	297	175	201



TEST NUMBER: P395696

CATALOG NUMBER: I3-UL-30L93050-1D-UNV-W2A-W-4 (4500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.8	0.5
10°-20°	44.0	1.6
20°-30°	70.8	2.5
30°-40°	91.1	3.2
40°-50°	100.0	3.5
50°-60°	94.0	3.3
60°-70°	73.0	2.6
70°-80°	41.9	1.5
80°-90°	13.4	0.5
90°-100°	180.9	6.4
100°-110°	430.0	15.2
110°-120°	431.9	15.3
120°-130°	396.1	14.0
130°-140°	331.2	11.7
140°-150°	248.6	8.8
150°-160°	161.8	5.7
160°-170°	83.3	2.9
170°-180°	23.6	0.8
0°-30°	129.5	4.6
0°-40°	220.6	7.8
0°-60°	414.6	14.6
0°-90°	543.0	19.2
90°-120°	1042.9	36.8
90°-150°	2018.8	71.3
90°-180°	2288.0	80.8
0°-180°	2830.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	154	154	154	154	154	
5°	156	155	155	154	153	15
15°	153	152	156	158	158	43
25°	144	146	154	160	162	67
35°	132	135	146	156	158	82
45°	114	119	131	141	144	88
55°	91	96	107	114	117	81
65°	64	68	74	80	82	64
75°	34	36	39	43	45	36
85°	7	8	11	15	15	8
90°	1	2	4	6	7	2
95°	24	202	208	28	24	24
105°	70	271	458	565	598	75
115°	116	306	481	585	622	115
125°	155	319	483	579	612	138
135°	188	317	462	549	581	145
145°	212	304	420	493	520	133
155°	227	279	365	418	438	105
165°	236	252	296	328	340	67
175°	238	237	240	243	243	23
180°	234	234	234	234	234	



TEST NUMBER: P395696

CATALOG NUMBER: I3-UL-30L93050-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2
2.5°	157.0	156.3	155.6	155.6	154.9	154.9	154.9	154.2	154.2	154.2	154.9
5°	156.3	156.3	155.6	154.9	154.9	154.9	154.2	154.2	154.2	154.2	154.9
7.5°	156.3	155.6	154.9	154.9	154.2	154.2	154.2	154.2	154.2	154.2	154.9
10°	154.9	154.9	154.2	154.2	153.5	154.2	154.2	154.2	154.2	154.2	155.6
12.5°	154.2	154.2	153.5	152.8	152.8	152.8	153.5	153.5	153.5	154.2	155.6
15°	152.8	152.8	152.1	152.1	152.1	152.1	152.8	152.8	153.5	154.2	155.6
17.5°	151.4	151.4	150.7	150.7	150.7	151.4	151.4	152.1	152.8	154.2	155.6
20°	149.3	149.3	149.3	149.3	149.3	150.0	150.0	150.7	152.1	153.5	155.6
22.5°	147.2	147.2	147.2	147.2	147.2	147.9	148.6	150.0	150.7	152.8	154.9
25°	144.4	144.4	144.4	144.4	145.1	145.8	146.5	147.9	149.3	151.4	154.2
27.5°	141.6	142.3	142.3	142.3	143.0	143.7	144.4	145.8	147.9	150.7	152.8
30°	138.8	138.8	138.8	139.5	140.2	140.9	142.3	143.7	145.8	148.6	151.4
32.5°	135.3	135.3	136.0	136.0	137.4	138.1	139.5	141.6	143.7	146.5	149.3
35°	131.8	131.8	131.8	133.2	133.9	135.3	136.0	138.1	140.9	143.7	146.5
37.5°	127.7	128.4	128.4	129.1	130.4	131.8	132.5	135.3	138.1	140.9	143.7
40°	123.5	124.2	124.2	124.9	127.0	127.7	129.1	131.8	133.9	137.4	140.2
42.5°	119.3	119.3	120.0	120.7	122.8	123.5	124.9	127.7	130.4	133.2	136.0
45°	113.7	114.4	115.1	115.8	117.9	119.3	120.7	122.8	125.6	128.4	131.1
47.5°	108.8	108.8	109.5	110.9	113.0	114.4	115.1	117.9	120.0	122.8	125.6
50°	103.2	103.9	103.9	105.3	107.4	108.8	109.5	112.3	114.4	117.2	120.0
52.5°	97.0	97.7	98.4	99.8	101.8	103.2	103.9	106.0	108.1	110.9	113.0
55°	91.4	92.1	92.1	93.5	95.6	96.3	97.7	99.1	101.8	103.9	106.7
57.5°	85.1	85.8	85.8	87.2	88.6	90.0	90.7	92.8	94.9	97.0	99.1
60°	78.1	78.8	79.5	80.2	81.6	83.0	83.7	85.1	87.2	89.3	91.4
62.5°	71.2	71.8	72.5	73.2	74.6	75.3	76.0	78.1	79.5	81.6	83.0
65°	64.2	64.9	65.6	66.3	67.0	67.7	68.4	69.8	71.2	73.2	73.9
67.5°	57.2	57.9	57.9	58.6	59.3	60.0	60.7	62.1	62.8	64.9	65.6
70°	50.2	50.2	50.2	50.9	50.9	51.6	52.3	53.7	54.4	55.8	57.2
72.5°	41.9	42.6	42.6	42.6	43.2	43.9	44.6	45.3	46.0	46.7	48.1
75°	34.2	34.9	34.2	34.9	35.6	35.6	36.3	37.0	37.7	38.4	39.1
77.5°	27.2	26.5	27.2	27.2	27.9	27.9	27.9	28.6	30.0	30.0	31.4
80°	19.5	19.5	19.5	19.5	20.2	20.2	20.9	20.9	22.3	23.0	23.7
82.5°	12.6	12.6	13.3	13.3	13.3	14.0	14.0	14.6	15.3	16.0	16.7
85°	7.0	7.0	7.0	7.7	7.7	8.4	8.4	9.1	9.8	10.5	11.2
87.5°	2.1	2.8	3.5	3.5	4.2	4.2	4.9	4.9	6.3	7.0	7.7
90°	0.7	0.7	1.4	1.4	1.4	2.1	2.1	2.8	2.8	3.5	4.2
92.5°	11.9	27.9	57.9	86.5	74.6	69.8	41.9	12.6	11.2	11.9	11.9
95°	24.4	46.0	84.4	136.7	177.2	202.3	219.0	251.1	283.9	278.3	207.9
97.5°	35.6	59.3	101.8	150.0	205.8	234.4	256.0	294.4	336.2	371.1	396.2
100°	46.7	71.2	116.5	166.7	218.3	244.2	269.3	321.6	362.7	397.6	431.1
102.5°	58.6	83.0	129.7	182.1	233.0	258.1	282.5	328.6	374.6	416.5	449.2
105°	70.5	95.6	141.6	195.3	246.2	271.4	295.1	339.0	381.6	420.6	458.3
107.5°	83.0	106.7	152.1	205.8	256.7	281.8	305.5	349.5	390.6	429.7	463.9
110°	94.2	117.2	162.5	215.5	266.5	291.6	315.3	359.2	399.7	436.7	470.2



TEST NUMBER: P395696

CATALOG NUMBER: I3-UL-30L93050-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	104.6	127.0	172.3	223.9	274.1	299.3	322.3	366.2	406.7	443.0	476.4
115°	116.5	136.0	182.1	231.6	281.1	305.5	328.6	371.8	412.3	447.8	480.6
117.5°	126.3	145.1	190.4	237.9	286.7	310.4	332.7	376.0	415.8	451.3	483.4
120°	136.0	153.5	198.1	243.5	290.9	313.9	336.2	378.8	418.5	453.4	484.8
122.5°	145.8	161.8	204.4	249.0	294.4	317.4	339.0	380.9	419.9	454.1	484.8
125°	154.9	168.8	210.0	253.2	296.5	318.8	339.7	380.9	419.2	452.7	483.4
127.5°	163.2	176.5	214.2	257.4	297.9	319.5	339.7	379.5	417.8	450.6	480.6
130°	171.6	183.5	218.3	259.5	299.3	318.8	338.3	376.7	414.4	447.1	475.7
132.5°	180.0	191.1	221.8	261.6	300.0	318.8	336.9	373.9	410.2	442.3	469.5
135°	187.6	196.7	225.3	263.0	299.3	317.4	334.1	369.0	403.9	435.3	461.8
137.5°	194.6	202.3	228.1	263.7	298.6	315.3	332.0	363.4	396.2	426.9	452.7
140°	200.9	207.9	229.5	263.7	295.8	312.5	327.9	357.9	387.9	417.1	442.3
142.5°	206.5	212.8	231.6	262.3	293.0	309.0	323.7	352.3	379.5	407.4	431.8
145°	212.1	216.9	233.0	261.6	289.5	304.1	318.1	345.3	371.8	396.9	419.9
147.5°	216.2	221.1	234.4	258.8	285.3	298.6	311.8	337.6	362.0	385.8	406.7
150°	220.4	224.6	235.1	256.0	280.4	292.3	304.1	328.6	352.3	373.9	393.4
152.5°	224.6	227.4	237.2	253.2	274.8	286.0	297.9	319.5	341.1	361.3	380.2
155°	227.4	229.5	237.9	250.4	269.3	279.0	288.8	309.0	328.6	347.4	364.8
157.5°	230.2	232.3	238.6	248.3	263.0	272.1	280.4	297.9	316.0	332.7	348.8
160°	232.3	233.7	238.6	246.9	257.4	263.7	271.4	287.4	302.7	317.4	331.3
162.5°	234.4	235.1	238.6	244.8	252.5	256.7	262.3	274.8	288.8	301.4	313.9
165°	235.8	236.5	238.6	243.5	248.3	251.8	254.6	263.7	274.1	285.3	295.8
167.5°	237.2	237.2	238.6	242.1	244.8	246.9	249.0	253.9	260.9	269.3	276.9
170°	237.9	237.9	238.6	240.7	242.8	243.5	244.8	247.6	251.1	255.3	260.2
172.5°	237.9	237.9	237.9	239.3	240.0	240.0	240.0	241.4	243.5	246.2	248.3
175°	237.9	237.2	237.2	237.9	237.2	237.2	237.2	237.2	237.9	239.3	240.0
177.5°	237.9	237.2	236.5	236.5	235.8	235.8	235.1	235.1	235.1	235.1	235.1
180°	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7



TEST NUMBER: P395696

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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2
2.5°	154.9	154.9	154.2	153.5	153.5	153.5	152.8	152.1	151.4	151.4
5°	154.9	154.9	154.2	154.2	154.2	154.2	153.5	153.5	152.8	152.8
7.5°	155.6	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.2	154.2
10°	155.6	155.6	155.6	155.6	155.6	155.6	155.6	155.6	155.6	155.6
12.5°	156.3	156.3	156.3	156.3	157.0	157.0	157.0	157.0	157.0	157.0
15°	156.3	157.0	157.7	157.7	157.7	158.3	158.3	158.3	158.3	158.3
17.5°	157.0	157.7	158.3	158.3	159.0	159.0	159.7	159.7	159.7	159.7
20°	157.0	157.7	158.3	159.0	159.7	159.7	160.4	161.1	161.1	160.4
22.5°	156.3	157.7	158.3	159.0	159.7	160.4	161.1	161.8	161.8	161.8
25°	155.6	157.0	158.3	159.7	159.7	160.4	161.8	161.8	161.8	161.8
27.5°	154.9	156.3	157.7	159.0	159.7	160.4	161.1	161.8	161.8	161.8
30°	153.5	155.6	157.0	158.3	159.0	159.7	160.4	161.1	161.1	161.1
32.5°	151.4	153.5	154.9	157.0	157.7	158.3	159.0	159.7	159.7	159.7
35°	149.3	151.4	152.8	154.9	155.6	156.3	157.7	157.7	158.3	158.3
37.5°	145.8	148.6	150.0	152.1	152.8	153.5	154.9	155.6	155.6	155.6
40°	142.3	145.1	146.5	148.6	149.3	150.0	151.4	152.1	152.8	152.8
42.5°	138.1	140.9	142.3	144.4	145.1	145.8	147.2	147.9	148.6	148.6
45°	133.9	136.0	137.4	139.5	140.9	140.9	142.3	143.0	143.7	143.7
47.5°	128.4	130.4	131.8	133.9	135.3	136.0	136.7	137.4	138.1	138.1
50°	122.1	124.2	126.3	127.7	129.1	129.1	130.4	131.1	131.8	131.8
52.5°	115.8	117.2	119.3	121.4	122.1	122.8	123.5	124.2	124.9	124.9
55°	108.8	110.2	112.3	113.7	114.4	115.1	115.8	116.5	117.2	117.2
57.5°	101.1	102.5	104.6	106.0	106.7	107.4	108.1	108.8	109.5	109.5
60°	92.8	94.2	96.3	97.7	98.4	98.4	99.8	100.5	100.5	100.5
62.5°	84.4	85.8	87.2	88.6	89.3	90.0	90.7	91.4	91.4	91.4
65°	76.0	77.4	78.8	79.5	80.2	80.2	80.9	81.6	82.3	82.3
67.5°	67.0	68.4	69.8	70.5	71.2	71.2	71.8	72.5	72.5	72.5
70°	57.9	58.6	60.0	60.7	61.4	61.4	62.8	62.8	62.8	62.8
72.5°	48.8	49.5	50.9	51.6	52.3	52.3	53.0	53.7	53.7	53.7
75°	40.5	41.2	41.9	43.2	43.2	43.2	43.9	44.6	44.6	44.6
77.5°	32.1	32.8	33.5	34.2	34.9	34.9	35.6	36.3	36.3	36.3
80°	24.4	25.1	25.8	26.5	26.5	27.2	27.2	27.9	27.9	27.9
82.5°	17.4	18.1	18.8	19.5	20.2	20.2	20.9	21.6	21.6	20.9
85°	11.9	13.3	14.0	14.6	14.6	14.6	15.3	16.0	16.0	15.3
87.5°	8.4	8.4	9.1	9.8	9.8	10.5	10.5	11.2	11.2	11.2
90°	4.9	4.9	5.6	5.6	6.3	6.3	6.3	7.0	7.0	7.0
92.5°	11.9	11.9	12.6	12.6	12.6	12.6	13.3	13.3	13.3	13.3
95°	127.0	57.2	48.1	29.3	27.9	24.4	23.7	24.4	24.4	23.7
97.5°	426.2	456.2	475.0	484.1	473.0	461.1	447.8	445.7	427.6	387.2
100°	459.7	483.4	506.4	522.5	528.8	534.3	546.9	554.6	558.1	561.5
102.5°	476.4	501.6	521.8	542.0	550.4	558.1	569.2	578.3	581.8	584.6
105°	491.1	516.9	539.2	557.4	565.0	572.0	583.2	591.5	597.8	598.5
107.5°	494.6	521.8	546.9	569.2	578.3	586.0	599.2	605.5	611.1	611.1
110°	500.9	526.7	549.7	569.9	579.0	588.1	602.0	611.8	617.4	618.7





TEST NUMBER: P395696

CATALOG NUMBER: I3-UL-30L93050-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	505.7	532.2	553.9	574.1	581.8	590.1	603.4	612.5	617.4	619.4
115°	509.9	535.7	557.4	576.2	584.6	592.9	606.2	613.9	619.4	621.5
117.5°	512.7	537.8	559.5	576.9	586.0	592.9	605.5	613.9	619.4	620.1
120°	513.4	538.5	559.5	576.9	584.6	592.2	604.8	613.2	618.7	618.7
122.5°	513.4	537.8	558.8	575.5	582.5	589.4	601.3	611.1	616.0	616.0
125°	510.6	535.0	555.3	572.0	579.0	585.3	597.8	606.9	611.8	612.5
127.5°	506.4	530.2	550.4	567.1	574.1	579.7	592.9	601.3	606.2	606.9
130°	500.9	524.6	544.1	560.2	567.1	573.4	584.6	593.6	599.2	600.6
132.5°	494.6	516.9	536.4	551.8	558.8	564.3	575.5	584.6	589.4	591.5
135°	486.9	507.8	526.7	542.0	549.0	554.6	565.0	574.1	579.0	581.1
137.5°	477.1	497.4	515.5	530.9	537.1	542.7	553.2	561.5	565.7	568.5
140°	466.0	484.8	503.6	517.6	523.9	529.5	538.5	547.6	551.8	553.9
142.5°	454.1	473.0	489.7	503.6	509.2	514.8	523.9	532.2	536.4	537.1
145°	441.6	459.7	475.0	488.3	493.2	498.8	507.1	515.5	519.7	520.4
147.5°	427.6	444.4	459.0	471.6	477.1	481.3	489.0	496.7	500.9	501.6
150°	411.6	426.9	440.2	452.7	457.6	461.8	470.2	477.1	481.3	482.0
152.5°	396.2	410.9	422.0	433.2	438.1	442.3	449.2	456.2	460.4	461.1
155°	380.2	393.4	404.6	413.7	417.8	422.0	427.6	433.9	437.4	438.1
157.5°	363.4	376.0	385.8	394.1	398.3	401.8	406.7	412.3	414.4	415.8
160°	345.3	355.8	364.1	372.5	376.0	379.5	384.4	388.5	391.3	392.0
162.5°	325.8	334.8	341.8	349.5	351.6	354.4	359.2	363.4	365.5	366.2
165°	305.5	313.9	320.2	326.5	327.9	330.0	333.4	337.6	339.0	340.4
167.5°	285.3	292.3	296.5	302.0	304.1	305.5	309.0	311.8	313.2	313.9
170°	265.8	270.7	274.1	278.3	279.0	281.1	283.2	286.0	286.7	286.7
172.5°	250.4	252.5	254.6	256.0	256.7	257.4	258.8	259.5	259.5	259.5
175°	240.7	242.1	242.1	242.8	242.8	242.8	242.8	242.8	242.8	242.8
177.5°	235.1	235.1	235.1	234.4	234.4	234.4	234.4	233.7	233.7	233.7
180°	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7

(END OF REPORT)