

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: P395693

Luminaire Tested: **I3-UL-30L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395693
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 (3000K)
Description: CORELITE I3, OPEN TOP
3000 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: 2357.7 lumens
Efficiency: N/A
Efficacy: 111.2 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

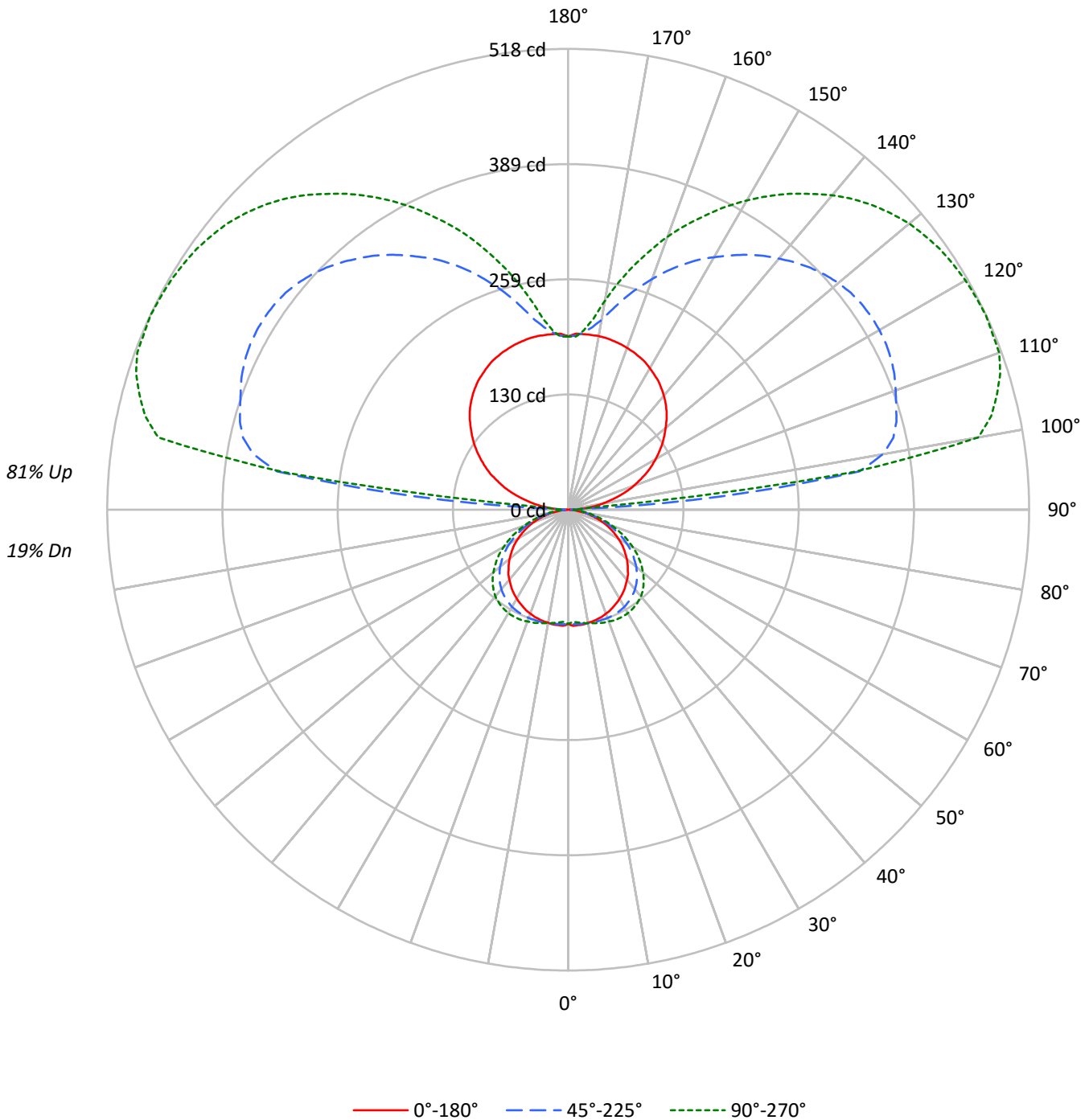
Input Watts (W): 21.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	706	706	706
5°	716	696	682
10°	715	691	683
15°	716	688	689
20°	716	691	697
25°	715	693	708
30°	716	694	714
35°	715	690	718
40°	712	685	714
45°	706	671	698
50°	700	649	672
55°	687	618	634
60°	667	573	583
65°	638	510	520
70°	601	442	439
75°	522	346	352
80°	416	250	254
85°	246	145	168



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CATALOG NUMBER: I3-UL-30L93050-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.3	0.5
10°-20°	36.6	1.6
20°-30°	58.9	2.5
30°-40°	75.9	3.2
40°-50°	83.3	3.5
50°-60°	78.3	3.3
60°-70°	60.8	2.6
70°-80°	34.9	1.5
80°-90°	11.2	0.5
90°-100°	150.7	6.4
100°-110°	358.2	15.2
110°-120°	359.8	15.3
120°-130°	330.0	14.0
130°-140°	275.9	11.7
140°-150°	207.1	8.8
150°-160°	134.8	5.7
160°-170°	69.4	2.9
170°-180°	19.6	0.8
0°-30°	107.9	4.6
0°-40°	183.7	7.8
0°-60°	345.3	14.6
0°-90°	452.3	19.2
90°-120°	868.7	36.8
90°-150°	1681.6	71.3
90°-180°	1905.0	80.8
0°-180°	2357.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	128	128	128	128	128	
5°	130	129	129	128	127	12
15°	127	127	130	131	132	36
25°	120	121	128	133	135	56
35°	110	113	122	130	132	69
45°	95	99	109	117	120	73
55°	76	80	89	95	98	68
65°	54	56	62	67	69	53
75°	28	30	32	36	37	30
85°	6	7	9	12	13	7
90°	1	2	4	5	6	2
95°	20	168	173	23	20	20
105°	59	226	382	471	499	62
115°	97	254	400	487	518	95
125°	129	266	403	482	510	115
135°	156	264	385	457	484	120
145°	177	253	350	411	434	110
155°	189	232	304	348	365	87
165°	196	210	246	273	284	56
175°	198	198	200	202	202	19
180°	195	195	195	195	195	



TEST NUMBER: P395693

CATALOG NUMBER: I3-UL-30L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
2.5°	130.7	130.2	129.6	129.6	129.0	129.0	129.0	128.4	128.4	128.4	129.0
5°	130.2	130.2	129.6	129.0	129.0	129.0	128.4	128.4	128.4	128.4	129.0
7.5°	130.2	129.6	129.0	129.0	128.4	128.4	128.4	128.4	128.4	128.4	129.0
10°	129.0	129.0	128.4	128.4	127.8	128.4	128.4	128.4	128.4	128.4	129.6
12.5°	128.4	128.4	127.8	127.3	127.3	127.3	127.8	127.8	127.8	128.4	129.6
15°	127.3	127.3	126.7	126.7	126.7	126.7	127.3	127.3	127.8	128.4	129.6
17.5°	126.1	126.1	125.5	125.5	125.5	126.1	126.1	126.7	127.3	128.4	129.6
20°	124.3	124.3	124.3	124.3	124.3	124.9	124.9	125.5	126.7	127.8	129.6
22.5°	122.6	122.6	122.6	122.6	122.6	123.2	123.8	124.9	125.5	127.3	129.0
25°	120.3	120.3	120.3	120.3	120.9	121.4	122.0	123.2	124.3	126.1	128.4
27.5°	118.0	118.5	118.5	118.5	119.1	119.7	120.3	121.4	123.2	125.5	127.3
30°	115.6	115.6	115.6	116.2	116.8	117.4	118.5	119.7	121.4	123.8	126.1
32.5°	112.7	112.7	113.3	113.3	114.5	115.1	116.2	118.0	119.7	122.0	124.3
35°	109.8	109.8	109.8	111.0	111.6	112.7	113.3	115.1	117.4	119.7	122.0
37.5°	106.3	106.9	106.9	107.5	108.7	109.8	110.4	112.7	115.1	117.4	119.7
40°	102.8	103.4	103.4	104.0	105.8	106.3	107.5	109.8	111.6	114.5	116.8
42.5°	99.4	99.4	99.9	100.5	102.3	102.8	104.0	106.3	108.7	111.0	113.3
45°	94.7	95.3	95.9	96.5	98.2	99.4	100.5	102.3	104.6	106.9	109.2
47.5°	90.6	90.6	91.2	92.4	94.1	95.3	95.9	98.2	99.9	102.3	104.6
50°	86.0	86.6	86.6	87.7	89.5	90.6	91.2	93.6	95.3	97.6	99.9
52.5°	80.8	81.3	81.9	83.1	84.8	86.0	86.6	88.3	90.1	92.4	94.1
55°	76.1	76.7	76.7	77.9	79.6	80.2	81.3	82.5	84.8	86.6	88.9
57.5°	70.9	71.5	71.5	72.6	73.8	75.0	75.5	77.3	79.0	80.8	82.5
60°	65.1	65.7	66.2	66.8	68.0	69.1	69.7	70.9	72.6	74.4	76.1
62.5°	59.3	59.8	60.4	61.0	62.2	62.8	63.3	65.1	66.2	68.0	69.1
65°	53.5	54.0	54.6	55.2	55.8	56.4	56.9	58.1	59.3	61.0	61.6
67.5°	47.6	48.2	48.2	48.8	49.4	50.0	50.6	51.7	52.3	54.0	54.6
70°	41.8	41.8	41.8	42.4	42.4	43.0	43.6	44.7	45.3	46.5	47.6
72.5°	34.9	35.4	35.4	35.4	36.0	36.6	37.2	37.8	38.4	38.9	40.1
75°	28.5	29.1	28.5	29.1	29.6	29.6	30.2	30.8	31.4	32.0	32.5
77.5°	22.7	22.1	22.7	22.7	23.2	23.2	23.2	23.8	25.0	25.0	26.1
80°	16.3	16.3	16.3	16.3	16.9	16.9	17.4	17.4	18.6	19.2	19.8
82.5°	10.5	10.5	11.0	11.0	11.0	11.6	11.6	12.2	12.8	13.4	13.9
85°	5.8	5.8	5.8	6.4	6.4	7.0	7.0	7.6	8.1	8.7	9.3
87.5°	1.7	2.3	2.9	2.9	3.5	3.5	4.1	4.1	5.2	5.8	6.4
90°	0.6	0.6	1.2	1.2	1.2	1.7	1.7	2.3	2.3	2.9	3.5
92.5°	9.9	23.2	48.2	72.1	62.2	58.1	34.9	10.5	9.3	9.9	9.9
95°	20.3	38.4	70.3	113.9	147.6	168.5	182.5	209.2	236.5	231.8	173.2
97.5°	29.6	49.4	84.8	124.9	171.4	195.2	213.2	245.2	280.1	309.1	330.0
100°	38.9	59.3	97.0	138.9	181.9	203.4	224.3	267.9	302.2	331.2	359.1
102.5°	48.8	69.1	108.1	151.7	194.1	215.0	235.3	273.7	312.0	346.9	374.2
105°	58.7	79.6	118.0	162.7	205.1	226.0	245.8	282.4	317.8	350.4	381.8
107.5°	69.1	88.9	126.7	171.4	213.8	234.7	254.5	291.1	325.4	357.9	386.4
110°	78.4	97.6	135.4	179.5	222.0	242.9	262.6	299.2	332.9	363.7	391.6



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CATALOG NUMBER: I3-UL-30L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	87.2	105.8	143.5	186.5	228.4	249.3	268.5	305.1	338.8	369.0	396.9
115°	97.0	113.3	151.7	192.9	234.2	254.5	273.7	309.7	343.4	373.0	400.4
117.5°	105.2	120.9	158.6	198.1	238.8	258.6	277.2	313.2	346.3	375.9	402.7
120°	113.3	127.8	165.0	202.8	242.3	261.5	280.1	315.5	348.6	377.7	403.8
122.5°	121.4	134.8	170.3	207.4	245.2	264.4	282.4	317.3	349.8	378.3	403.8
125°	129.0	140.6	174.9	210.9	247.0	265.5	283.0	317.3	349.2	377.1	402.7
127.5°	136.0	147.0	178.4	214.4	248.1	266.1	283.0	316.1	348.1	375.4	400.4
130°	142.9	152.8	181.9	216.2	249.3	265.5	281.8	313.8	345.2	372.5	396.3
132.5°	149.9	159.2	184.8	217.9	249.9	265.5	280.7	311.4	341.7	368.4	391.1
135°	156.3	163.9	187.7	219.1	249.3	264.4	278.3	307.4	336.4	362.6	384.7
137.5°	162.1	168.5	190.0	219.6	248.7	262.6	276.6	302.7	330.0	355.6	377.1
140°	167.3	173.2	191.2	219.6	246.4	260.3	273.1	298.1	323.1	347.5	368.4
142.5°	172.0	177.2	192.9	218.5	244.0	257.4	269.6	293.4	316.1	339.3	359.7
145°	176.6	180.7	194.1	217.9	241.1	253.3	265.0	287.6	309.7	330.6	349.8
147.5°	180.1	184.2	195.2	215.6	237.7	248.7	259.7	281.2	301.6	321.3	338.8
150°	183.6	187.1	195.8	213.2	233.6	243.5	253.3	273.7	293.4	311.4	327.7
152.5°	187.1	189.4	197.6	210.9	228.9	238.2	248.1	266.1	284.1	301.0	316.7
155°	189.4	191.2	198.1	208.6	224.3	232.4	240.6	257.4	273.7	289.4	303.9
157.5°	191.8	193.5	198.7	206.9	219.1	226.6	233.6	248.1	263.2	277.2	290.5
160°	193.5	194.7	198.7	205.7	214.4	219.6	226.0	239.4	252.2	264.4	276.0
162.5°	195.2	195.8	198.7	204.0	210.3	213.8	218.5	228.9	240.6	251.0	261.5
165°	196.4	197.0	198.7	202.8	206.9	209.8	212.1	219.6	228.4	237.7	246.4
167.5°	197.6	197.6	198.7	201.6	204.0	205.7	207.4	211.5	217.3	224.3	230.7
170°	198.1	198.1	198.7	200.5	202.2	202.8	204.0	206.3	209.2	212.7	216.7
172.5°	198.1	198.1	198.1	199.3	199.9	199.9	199.9	201.0	202.8	205.1	206.9
175°	198.1	197.6	197.6	198.1	197.6	197.6	197.6	197.6	198.1	199.3	199.9
177.5°	198.1	197.6	197.0	197.0	196.4	196.4	195.8	195.8	195.8	195.8	195.8
180°	194.7	194.7	194.7	194.7	194.7	194.7	194.7	194.7	194.7	194.7	194.7



TEST NUMBER: P395693

CATALOG NUMBER: I3-UL-30L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
2.5°	129.0	129.0	128.4	127.8	127.8	127.8	127.3	126.7	126.1	126.1
5°	129.0	129.0	128.4	128.4	128.4	128.4	127.8	127.8	127.3	127.3
7.5°	129.6	129.0	129.0	129.0	129.0	129.0	129.0	129.0	128.4	128.4
10°	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6
12.5°	130.2	130.2	130.2	130.2	130.7	130.7	130.7	130.7	130.7	130.7
15°	130.2	130.7	131.3	131.3	131.3	131.9	131.9	131.9	131.9	131.9
17.5°	130.7	131.3	131.9	131.9	132.5	132.5	133.1	133.1	133.1	133.1
20°	130.7	131.3	131.9	132.5	133.1	133.1	133.6	134.2	134.2	133.6
22.5°	130.2	131.3	131.9	132.5	133.1	133.6	134.2	134.8	134.8	134.8
25°	129.6	130.7	131.9	133.1	133.1	133.6	134.8	134.8	134.8	134.8
27.5°	129.0	130.2	131.3	132.5	133.1	133.6	134.2	134.8	134.8	134.8
30°	127.8	129.6	130.7	131.9	132.5	133.1	133.6	134.2	134.2	134.2
32.5°	126.1	127.8	129.0	130.7	131.3	131.9	132.5	133.1	133.1	133.1
35°	124.3	126.1	127.3	129.0	129.6	130.2	131.3	131.3	131.9	131.9
37.5°	121.4	123.8	124.9	126.7	127.3	127.8	129.0	129.6	129.6	129.6
40°	118.5	120.9	122.0	123.8	124.3	124.9	126.1	126.7	127.3	127.3
42.5°	115.1	117.4	118.5	120.3	120.9	121.4	122.6	123.2	123.8	123.8
45°	111.6	113.3	114.5	116.2	117.4	117.4	118.5	119.1	119.7	119.7
47.5°	106.9	108.7	109.8	111.6	112.7	113.3	113.9	114.5	115.1	115.1
50°	101.7	103.4	105.2	106.3	107.5	107.5	108.7	109.2	109.8	109.8
52.5°	96.5	97.6	99.4	101.1	101.7	102.3	102.8	103.4	104.0	104.0
55°	90.6	91.8	93.6	94.7	95.3	95.9	96.5	97.0	97.6	97.6
57.5°	84.3	85.4	87.2	88.3	88.9	89.5	90.1	90.6	91.2	91.2
60°	77.3	78.4	80.2	81.3	81.9	81.9	83.1	83.7	83.7	83.7
62.5°	70.3	71.5	72.6	73.8	74.4	75.0	75.5	76.1	76.1	76.1
65°	63.3	64.5	65.7	66.2	66.8	66.8	67.4	68.0	68.6	68.6
67.5°	55.8	56.9	58.1	58.7	59.3	59.3	59.8	60.4	60.4	60.4
70°	48.2	48.8	50.0	50.6	51.1	51.1	52.3	52.3	52.3	52.3
72.5°	40.7	41.3	42.4	43.0	43.6	43.6	44.2	44.7	44.7	44.7
75°	33.7	34.3	34.9	36.0	36.0	36.0	36.6	37.2	37.2	37.2
77.5°	26.7	27.3	27.9	28.5	29.1	29.1	29.6	30.2	30.2	30.2
80°	20.3	20.9	21.5	22.1	22.1	22.7	22.7	23.2	23.2	23.2
82.5°	14.5	15.1	15.7	16.3	16.9	16.9	17.4	18.0	18.0	17.4
85°	9.9	11.0	11.6	12.2	12.2	12.2	12.8	13.4	13.4	12.8
87.5°	7.0	7.0	7.6	8.1	8.1	8.7	8.7	9.3	9.3	9.3
90°	4.1	4.1	4.6	4.6	5.2	5.2	5.2	5.8	5.8	5.8
92.5°	9.9	9.9	10.5	10.5	10.5	10.5	11.0	11.0	11.0	11.0
95°	105.8	47.6	40.1	24.4	23.2	20.3	19.8	20.3	20.3	19.8
97.5°	355.0	380.0	395.7	403.3	394.0	384.1	373.0	371.3	356.2	322.5
100°	382.9	402.7	421.9	435.2	440.4	445.1	455.6	461.9	464.8	467.8
102.5°	396.9	417.8	434.6	451.5	458.5	464.8	474.1	481.7	484.6	486.9
105°	409.1	430.6	449.2	464.3	470.7	476.5	485.8	492.7	498.0	498.6
107.5°	412.0	434.6	455.6	474.1	481.7	488.1	499.1	504.4	509.0	509.0
110°	417.2	438.7	457.9	474.7	482.3	489.8	501.5	509.6	514.2	515.4



TEST NUMBER: P395693

CATALOG NUMBER: I3-UL-30L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	421.3	443.3	461.4	478.2	484.6	491.6	502.6	510.2	514.2	516.0
115°	424.8	446.3	464.3	480.0	486.9	493.9	504.9	511.3	516.0	517.7
117.5°	427.1	448.0	466.0	480.5	488.1	493.9	504.4	511.3	516.0	516.6
120°	427.7	448.6	466.0	480.5	486.9	493.3	503.8	510.8	515.4	515.4
122.5°	427.7	448.0	465.4	479.4	485.2	491.0	500.9	509.0	513.1	513.1
125°	425.3	445.7	462.5	476.5	482.3	487.5	498.0	505.5	509.6	510.2
127.5°	421.9	441.6	458.5	472.4	478.2	482.9	493.9	500.9	504.9	505.5
130°	417.2	437.0	453.2	466.6	472.4	477.6	486.9	494.5	499.1	500.3
132.5°	412.0	430.6	446.8	459.6	465.4	470.1	479.4	486.9	491.0	492.7
135°	405.6	423.0	438.7	451.5	457.3	461.9	470.7	478.2	482.3	484.0
137.5°	397.4	414.3	429.4	442.2	447.4	452.1	460.8	467.8	471.2	473.6
140°	388.1	403.8	419.5	431.1	436.4	441.0	448.6	456.1	459.6	461.4
142.5°	378.3	394.0	407.9	419.5	424.2	428.8	436.4	443.3	446.8	447.4
145°	367.8	382.9	395.7	406.7	410.8	415.5	422.4	429.4	432.9	433.5
147.5°	356.2	370.1	382.3	392.8	397.4	400.9	407.3	413.7	417.2	417.8
150°	342.8	355.6	366.6	377.1	381.2	384.7	391.6	397.4	400.9	401.5
152.5°	330.0	342.2	351.5	360.8	364.9	368.4	374.2	380.0	383.5	384.1
155°	316.7	327.7	337.0	344.6	348.1	351.5	356.2	361.4	364.3	364.9
157.5°	302.7	313.2	321.3	328.3	331.8	334.7	338.8	343.4	345.2	346.3
160°	287.6	296.3	303.3	310.3	313.2	316.1	320.2	323.7	326.0	326.6
162.5°	271.4	278.9	284.7	291.1	292.9	295.2	299.2	302.7	304.5	305.1
165°	254.5	261.5	266.7	271.9	273.1	274.8	277.7	281.2	282.4	283.6
167.5°	237.7	243.5	247.0	251.6	253.3	254.5	257.4	259.7	260.9	261.5
170°	221.4	225.5	228.4	231.8	232.4	234.2	235.9	238.2	238.8	238.8
172.5°	208.6	210.3	212.1	213.2	213.8	214.4	215.6	216.2	216.2	216.2
175°	200.5	201.6	201.6	202.2	202.2	202.2	202.2	202.2	202.2	202.2
177.5°	195.8	195.8	195.8	195.2	195.2	195.2	195.2	194.7	194.7	194.7
180°	194.7	194.7	194.7	194.7	194.7	194.7	194.7	194.7	194.7	194.7

(END OF REPORT)