

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: P395688

Luminaire Tested: **I3-UL-30L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395688
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-30L92765-1D-UNV-W2A-W-4 (4000K)
Description: CORELITE I3, OPEN TOP
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2675.9 lumens
Efficiency: N/A
Efficacy: 128.0 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

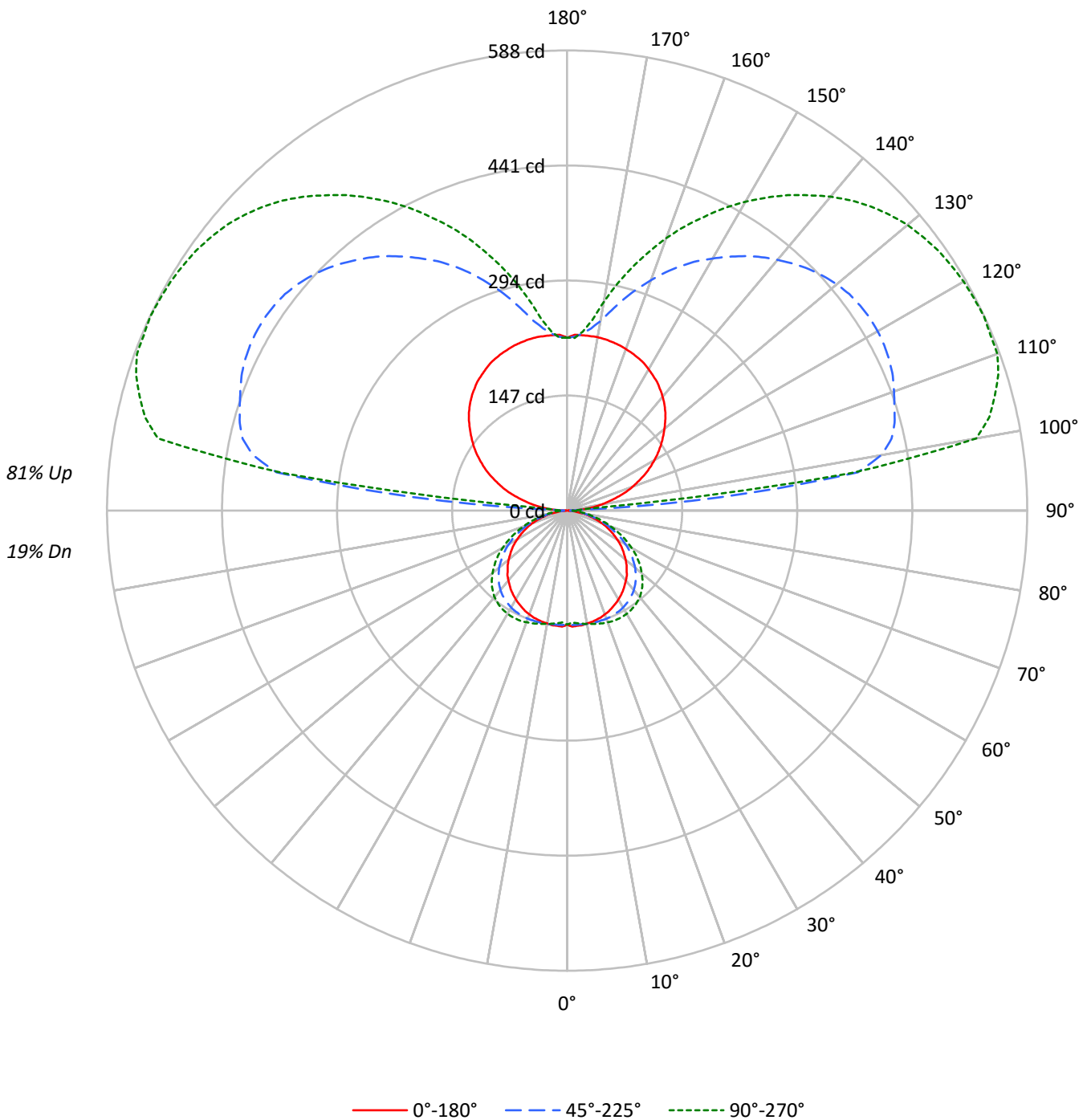
Input Watts (W): 20.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P395688

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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°	801	801	801
5°	812	789	774
10°	811	784	775
15°	812	781	782
20°	813	785	791
25°	812	786	803
30°	813	787	811
35°	812	784	814
40°	808	778	810
45°	802	761	792
50°	794	736	763
55°	781	701	719
60°	757	650	662
65°	723	579	590
70°	683	502	498
75°	592	393	399
80°	472	283	289
85°	280	166	190



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	0.5
10°-20°	41.6	1.6
20°-30°	66.9	2.5
30°-40°	86.1	3.2
40°-50°	94.6	3.5
50°-60°	88.9	3.3
60°-70°	69.0	2.6
70°-80°	39.6	1.5
80°-90°	12.7	0.5
90°-100°	171.1	6.4
100°-110°	406.5	15.2
110°-120°	408.3	15.3
120°-130°	374.5	14.0
130°-140°	313.1	11.7
140°-150°	235.0	8.8
150°-160°	153.0	5.7
160°-170°	78.8	2.9
170°-180°	22.3	0.8
0°-30°	122.4	4.6
0°-40°	208.5	7.8
0°-60°	391.9	14.6
0°-90°	513.3	19.2
90°-120°	985.9	36.8
90°-150°	1908.5	71.3
90°-180°	2163.0	80.8
0°-180°	2675.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	146	146	146	146	146	
5°	148	146	146	146	144	14
15°	144	144	147	149	150	41
25°	136	138	146	151	153	63
35°	125	128	138	147	150	78
45°	108	113	124	133	136	83
55°	86	91	101	108	111	77
65°	61	64	70	76	78	60
75°	32	34	37	41	42	34
85°	7	8	11	14	14	8
90°	1	2	4	6	7	2
95°	23	191	196	26	22	23
105°	67	256	433	534	566	70
115°	110	289	454	553	588	108
125°	146	301	457	547	579	131
135°	177	300	437	519	549	137
145°	200	288	397	466	492	125
155°	215	264	345	395	414	99
165°	223	238	280	310	322	63
175°	225	224	227	230	230	21
180°	221	221	221	221	221	



TEST NUMBER: P395688

CATALOG NUMBER: I3-UL-30L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7
2.5°	148.4	147.7	147.1	147.1	146.4	146.4	146.4	145.7	145.7	145.7	146.4
5°	147.7	147.7	147.1	146.4	146.4	146.4	145.7	145.7	145.7	145.7	146.4
7.5°	147.7	147.1	146.4	146.4	145.7	145.7	145.7	145.7	145.7	145.7	146.4
10°	146.4	146.4	145.7	145.7	145.1	145.7	145.7	145.7	145.7	145.7	147.1
12.5°	145.7	145.7	145.1	144.4	144.4	144.4	145.1	145.1	145.1	145.7	147.1
15°	144.4	144.4	143.8	143.8	143.8	143.8	144.4	144.4	145.1	145.7	147.1
17.5°	143.1	143.1	142.4	142.4	142.4	143.1	143.1	143.8	144.4	145.7	147.1
20°	141.1	141.1	141.1	141.1	141.1	141.8	141.8	142.4	143.8	145.1	147.1
22.5°	139.2	139.2	139.2	139.2	139.2	139.8	140.5	141.8	142.4	144.4	146.4
25°	136.5	136.5	136.5	136.5	137.2	137.8	138.5	139.8	141.1	143.1	145.7
27.5°	133.9	134.5	134.5	134.5	135.2	135.9	136.5	137.8	139.8	142.4	144.4
30°	131.2	131.2	131.2	131.9	132.6	133.2	134.5	135.9	137.8	140.5	143.1
32.5°	127.9	127.9	128.6	128.6	129.9	130.6	131.9	133.9	135.9	138.5	141.1
35°	124.6	124.6	124.6	126.0	126.6	127.9	128.6	130.6	133.2	135.9	138.5
37.5°	120.7	121.3	121.3	122.0	123.3	124.6	125.3	127.9	130.6	133.2	135.9
40°	116.7	117.4	117.4	118.0	120.0	120.7	122.0	124.6	126.6	129.9	132.6
42.5°	112.8	112.8	113.4	114.1	116.1	116.7	118.0	120.7	123.3	126.0	128.6
45°	107.5	108.2	108.8	109.5	111.5	112.8	114.1	116.1	118.7	121.3	124.0
47.5°	102.9	102.9	103.5	104.9	106.8	108.2	108.8	111.5	113.4	116.1	118.7
50°	97.6	98.3	98.3	99.6	101.6	102.9	103.5	106.2	108.2	110.8	113.4
52.5°	91.7	92.3	93.0	94.3	96.3	97.6	98.3	100.2	102.2	104.9	106.8
55°	86.4	87.1	87.1	88.4	90.3	91.0	92.3	93.6	96.3	98.3	100.9
57.5°	80.5	81.1	81.1	82.4	83.8	85.1	85.7	87.7	89.7	91.7	93.6
60°	73.9	74.5	75.2	75.8	77.2	78.5	79.1	80.5	82.4	84.4	86.4
62.5°	67.3	67.9	68.6	69.2	70.6	71.2	71.9	73.9	75.2	77.2	78.5
65°	60.7	61.3	62.0	62.7	63.3	64.0	64.6	65.9	67.3	69.2	69.9
67.5°	54.1	54.7	54.7	55.4	56.1	56.7	57.4	58.7	59.4	61.3	62.0
70°	47.5	47.5	47.5	48.1	48.1	48.8	49.5	50.8	51.4	52.8	54.1
72.5°	39.6	40.2	40.2	40.2	40.9	41.5	42.2	42.9	43.5	44.2	45.5
75°	32.3	33.0	32.3	33.0	33.6	33.6	34.3	35.0	35.6	36.3	36.9
77.5°	25.7	25.1	25.7	25.7	26.4	26.4	26.4	27.0	28.4	28.4	29.7
80°	18.5	18.5	18.5	18.5	19.1	19.1	19.8	19.8	21.1	21.8	22.4
82.5°	11.9	11.9	12.5	12.5	12.5	13.2	13.2	13.8	14.5	15.2	15.8
85°	6.6	6.6	6.6	7.3	7.3	7.9	7.9	8.6	9.2	9.9	10.6
87.5°	2.0	2.6	3.3	3.3	4.0	4.0	4.6	4.6	5.9	6.6	7.3
90°	0.7	0.7	1.3	1.3	1.3	2.0	2.0	2.6	2.6	3.3	4.0
92.5°	11.2	26.4	54.7	81.8	70.6	65.9	39.6	11.9	10.6	11.2	11.2
95°	23.1	43.5	79.8	129.3	167.5	191.2	207.1	237.4	268.4	263.1	196.5
97.5°	33.6	56.1	96.3	141.8	194.5	221.6	242.0	278.3	317.9	350.8	374.6
100°	44.2	67.3	110.1	157.6	206.4	230.8	254.6	304.0	342.9	375.9	407.6
102.5°	55.4	78.5	122.7	172.1	220.3	244.0	267.1	310.6	354.1	393.7	424.7
105°	66.6	90.3	133.9	184.7	232.8	256.5	279.0	320.5	360.7	397.7	433.3
107.5°	78.5	100.9	143.8	194.5	242.7	266.4	288.9	330.4	369.3	406.2	438.6
110°	89.0	110.8	153.7	203.8	251.9	275.7	298.1	339.6	377.9	412.8	444.5



TEST NUMBER: P395688

CATALOG NUMBER: I3-UL-30L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	98.9	120.0	162.9	211.7	259.2	282.9	304.7	346.2	384.5	418.8	450.4
115°	110.1	128.6	172.1	218.9	265.8	288.9	310.6	351.5	389.8	423.4	454.4
117.5°	119.4	137.2	180.0	224.9	271.0	293.5	314.6	355.5	393.1	426.7	457.0
120°	128.6	145.1	187.3	230.2	275.0	296.8	317.9	358.1	395.7	428.7	458.3
122.5°	137.8	153.0	193.2	235.4	278.3	300.1	320.5	360.1	397.0	429.3	458.3
125°	146.4	159.6	198.5	239.4	280.3	301.4	321.2	360.1	396.3	428.0	457.0
127.5°	154.3	166.8	202.5	243.3	281.6	302.0	321.2	358.8	395.0	426.0	454.4
130°	162.2	173.4	206.4	245.3	282.9	301.4	319.8	356.1	391.7	422.7	449.8
132.5°	170.1	180.7	209.7	247.3	283.6	301.4	318.5	353.5	387.8	418.1	443.8
135°	177.4	186.0	213.0	248.6	282.9	300.1	315.9	348.9	381.8	411.5	436.6
137.5°	184.0	191.2	215.7	249.3	282.3	298.1	313.9	343.6	374.6	403.6	428.0
140°	189.9	196.5	217.0	249.3	279.6	295.4	310.0	338.3	366.7	394.4	418.1
142.5°	195.2	201.1	218.9	248.0	277.0	292.2	306.0	333.0	358.8	385.1	408.2
145°	200.5	205.1	220.3	247.3	273.7	287.5	300.7	326.4	351.5	375.2	397.0
147.5°	204.4	209.1	221.6	244.7	269.7	282.3	294.8	319.2	342.3	364.7	384.5
150°	208.4	212.4	222.2	242.0	265.1	276.3	287.5	310.6	333.0	353.5	371.9
152.5°	212.4	215.0	224.2	239.4	259.8	270.4	281.6	302.0	322.5	341.6	359.4
155°	215.0	217.0	224.9	236.8	254.6	263.8	273.0	292.2	310.6	328.4	344.9
157.5°	217.6	219.6	225.5	234.8	248.6	257.2	265.1	281.6	298.7	314.6	329.7
160°	219.6	220.9	225.5	233.5	243.3	249.3	256.5	271.7	286.2	300.1	313.3
162.5°	221.6	222.2	225.5	231.5	238.7	242.7	248.0	259.8	273.0	284.9	296.8
165°	222.9	223.6	225.5	230.2	234.8	238.1	240.7	249.3	259.2	269.7	279.6
167.5°	224.2	224.2	225.5	228.8	231.5	233.5	235.4	240.1	246.6	254.6	261.8
170°	224.9	224.9	225.5	227.5	229.5	230.2	231.5	234.1	237.4	241.4	246.0
172.5°	224.9	224.9	224.9	226.2	226.9	226.9	226.9	228.2	230.2	232.8	234.8
175°	224.9	224.2	224.2	224.9	224.2	224.2	224.2	224.2	224.9	226.2	226.9
177.5°	224.9	224.2	223.6	223.6	222.9	222.9	222.2	222.2	222.2	222.2	222.2
180°	220.9	220.9	220.9	220.9	220.9	220.9	220.9	220.9	220.9	220.9	220.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7	145.7
2.5°	146.4	146.4	145.7	145.1	145.1	145.1	144.4	143.8	143.1	143.1
5°	146.4	146.4	145.7	145.7	145.7	145.7	145.1	145.1	144.4	144.4
7.5°	147.1	146.4	146.4	146.4	146.4	146.4	146.4	146.4	145.7	145.7
10°	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1
12.5°	147.7	147.7	147.7	147.7	148.4	148.4	148.4	148.4	148.4	148.4
15°	147.7	148.4	149.0	149.0	149.0	149.7	149.7	149.7	149.7	149.7
17.5°	148.4	149.0	149.7	149.7	150.4	150.4	151.0	151.0	151.0	151.0
20°	148.4	149.0	149.7	150.4	151.0	151.0	151.7	152.3	152.3	151.7
22.5°	147.7	149.0	149.7	150.4	151.0	151.7	152.3	153.0	153.0	153.0
25°	147.1	148.4	149.7	151.0	151.0	151.7	153.0	153.0	153.0	153.0
27.5°	146.4	147.7	149.0	150.4	151.0	151.7	152.3	153.0	153.0	153.0
30°	145.1	147.1	148.4	149.7	150.4	151.0	151.7	152.3	152.3	152.3
32.5°	143.1	145.1	146.4	148.4	149.0	149.7	150.4	151.0	151.0	151.0
35°	141.1	143.1	144.4	146.4	147.1	147.7	149.0	149.0	149.7	149.7
37.5°	137.8	140.5	141.8	143.8	144.4	145.1	146.4	147.1	147.1	147.1
40°	134.5	137.2	138.5	140.5	141.1	141.8	143.1	143.8	144.4	144.4
42.5°	130.6	133.2	134.5	136.5	137.2	137.8	139.2	139.8	140.5	140.5
45°	126.6	128.6	129.9	131.9	133.2	133.2	134.5	135.2	135.9	135.9
47.5°	121.3	123.3	124.6	126.6	127.9	128.6	129.3	129.9	130.6	130.6
50°	115.4	117.4	119.4	120.7	122.0	122.0	123.3	124.0	124.6	124.6
52.5°	109.5	110.8	112.8	114.7	115.4	116.1	116.7	117.4	118.0	118.0
55°	102.9	104.2	106.2	107.5	108.2	108.8	109.5	110.1	110.8	110.8
57.5°	95.6	96.9	98.9	100.2	100.9	101.6	102.2	102.9	103.5	103.5
60°	87.7	89.0	91.0	92.3	93.0	93.0	94.3	95.0	95.0	95.0
62.5°	79.8	81.1	82.4	83.8	84.4	85.1	85.7	86.4	86.4	86.4
65°	71.9	73.2	74.5	75.2	75.8	75.8	76.5	77.2	77.8	77.8
67.5°	63.3	64.6	65.9	66.6	67.3	67.3	67.9	68.6	68.6	68.6
70°	54.7	55.4	56.7	57.4	58.0	58.0	59.4	59.4	59.4	59.4
72.5°	46.2	46.8	48.1	48.8	49.5	49.5	50.1	50.8	50.8	50.8
75°	38.2	38.9	39.6	40.9	40.9	40.9	41.5	42.2	42.2	42.2
77.5°	30.3	31.0	31.7	32.3	33.0	33.0	33.6	34.3	34.3	34.3
80°	23.1	23.7	24.4	25.1	25.1	25.7	25.7	26.4	26.4	26.4
82.5°	16.5	17.1	17.8	18.5	19.1	19.1	19.8	20.4	20.4	19.8
85°	11.2	12.5	13.2	13.8	13.8	13.8	14.5	15.2	15.2	14.5
87.5°	7.9	7.9	8.6	9.2	9.2	9.9	9.9	10.6	10.6	10.6
90°	4.6	4.6	5.3	5.3	5.9	5.9	5.9	6.6	6.6	6.6
92.5°	11.2	11.2	11.9	11.9	11.9	11.9	12.5	12.5	12.5	12.5
95°	120.0	54.1	45.5	27.7	26.4	23.1	22.4	23.1	23.1	22.4
97.5°	402.9	431.3	449.1	457.7	447.1	435.9	423.4	421.4	404.3	366.0
100°	434.6	457.0	478.8	494.0	499.9	505.2	517.0	524.3	527.6	530.9
102.5°	450.4	474.2	493.3	512.4	520.3	527.6	538.1	546.7	550.0	552.6
105°	464.3	488.7	509.8	526.9	534.2	540.8	551.3	559.2	565.2	565.8
107.5°	467.6	493.3	517.0	538.1	546.7	554.0	566.5	572.4	577.7	577.7
110°	473.5	497.9	519.7	538.8	547.4	555.9	569.1	578.4	583.6	585.0



TEST NUMBER: P395688

CATALOG NUMBER: I3-UL-30L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	478.1	503.2	523.6	542.8	550.0	557.9	570.5	579.0	583.6	585.6
115°	482.1	506.5	526.9	544.7	552.6	560.6	573.1	580.3	585.6	587.6
117.5°	484.7	508.5	528.9	545.4	554.0	560.6	572.4	580.3	585.6	586.3
120°	485.4	509.1	528.9	545.4	552.6	559.9	571.8	579.7	585.0	585.0
122.5°	485.4	508.5	528.2	544.1	550.7	557.3	568.5	577.7	582.3	582.3
125°	482.7	505.8	524.9	540.8	547.4	553.3	565.2	573.7	578.4	579.0
127.5°	478.8	501.2	520.3	536.2	542.8	548.0	560.6	568.5	573.1	573.7
130°	473.5	495.9	514.4	529.6	536.2	542.1	552.6	561.2	566.5	567.8
132.5°	467.6	488.7	507.1	521.7	528.2	533.5	544.1	552.6	557.3	559.2
135°	460.3	480.1	497.9	512.4	519.0	524.3	534.2	542.8	547.4	549.3
137.5°	451.1	470.2	487.4	501.9	507.8	513.1	523.0	530.9	534.8	537.5
140°	440.5	458.3	476.1	489.3	495.3	500.5	509.1	517.7	521.7	523.6
142.5°	429.3	447.1	463.0	476.1	481.4	486.7	495.3	503.2	507.1	507.8
145°	417.5	434.6	449.1	461.6	466.3	471.5	479.4	487.4	491.3	492.0
147.5°	404.3	420.1	433.9	445.8	451.1	455.0	462.3	469.6	473.5	474.2
150°	389.1	403.6	416.1	428.0	432.6	436.6	444.5	451.1	455.0	455.7
152.5°	374.6	388.4	399.0	409.5	414.2	418.1	424.7	431.3	435.3	435.9
155°	359.4	371.9	382.5	391.1	395.0	399.0	404.3	410.2	413.5	414.2
157.5°	343.6	355.5	364.7	372.6	376.6	379.9	384.5	389.8	391.7	393.1
160°	326.4	336.3	344.2	352.2	355.5	358.8	363.4	367.3	370.0	370.6
162.5°	308.0	316.6	323.1	330.4	332.4	335.0	339.6	343.6	345.6	346.2
165°	288.9	296.8	302.7	308.6	310.0	311.9	315.2	319.2	320.5	321.8
167.5°	269.7	276.3	280.3	285.6	287.5	288.9	292.2	294.8	296.1	296.8
170°	251.3	255.9	259.2	263.1	263.8	265.8	267.7	270.4	271.0	271.0
172.5°	236.8	238.7	240.7	242.0	242.7	243.3	244.7	245.3	245.3	245.3
175°	227.5	228.8	228.8	229.5	229.5	229.5	229.5	229.5	229.5	229.5
177.5°	222.2	222.2	222.2	221.6	221.6	221.6	221.6	220.9	220.9	220.9
180°	220.9	220.9	220.9	220.9	220.9	220.9	220.9	220.9	220.9	220.9

(END OF REPORT)