

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: P395673

Luminaire Tested: **I3-UL-30L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395673
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-30L82765-1D-UNV-W2A-W-4 (3000K)
Description: CORELITE I3, OPEN TOP
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2860.8 lumens
Efficiency: N/A
Efficacy: 138.9 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

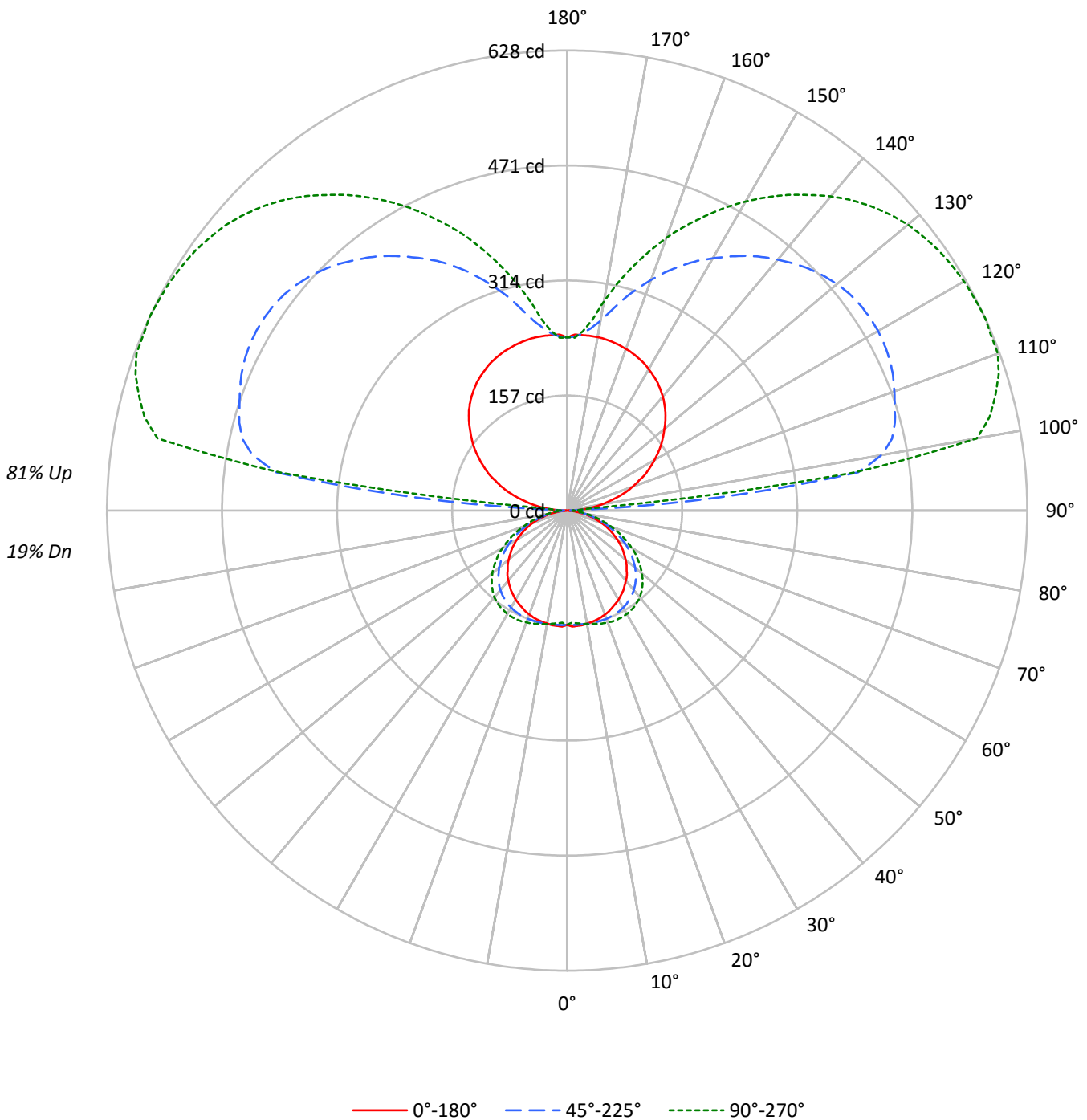
Input Watts (W): 20.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	856	856	856
5°	868	844	828
10°	867	838	829
15°	869	835	836
20°	869	838	846
25°	868	841	859
30°	869	842	867
35°	869	838	870
40°	865	831	866
45°	857	814	846
50°	849	788	816
55°	835	749	769
60°	809	696	707
65°	773	619	631
70°	731	537	533
75°	632	421	427
80°	502	303	309
85°	301	176	203



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CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.9	0.5
10°-20°	44.4	1.6
20°-30°	71.5	2.5
30°-40°	92.0	3.2
40°-50°	101.1	3.5
50°-60°	95.0	3.3
60°-70°	73.8	2.6
70°-80°	42.3	1.5
80°-90°	13.6	0.5
90°-100°	182.9	6.4
100°-110°	434.6	15.2
110°-120°	436.6	15.3
120°-130°	400.4	14.0
130°-140°	334.8	11.7
140°-150°	251.3	8.8
150°-160°	163.6	5.7
160°-170°	84.2	2.9
170°-180°	23.8	0.8
0°-30°	130.9	4.6
0°-40°	222.9	7.8
0°-60°	419.0	14.6
0°-90°	548.8	19.2
90°-120°	1054.0	36.8
90°-150°	2040.4	71.3
90°-180°	2312.0	80.8
0°-180°	2860.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	156	156	156	156	156	
5°	158	156	156	156	154	15
15°	154	154	157	159	160	44
25°	146	147	156	162	164	67
35°	133	137	148	157	160	83
45°	115	121	132	142	145	89
55°	92	97	108	116	118	82
65°	65	68	75	81	83	64
75°	34	36	40	44	45	37
85°	7	8	11	15	16	8
90°	1	2	4	6	7	2
95°	25	204	210	28	24	25
105°	71	274	463	571	605	75
115°	118	309	486	591	628	116
125°	156	322	489	585	619	140
135°	190	321	467	555	587	146
145°	214	307	424	498	526	134
155°	230	282	369	422	443	106
165°	238	254	299	331	344	67
175°	240	240	242	245	245	23
180°	236	236	236	236	236	



TEST NUMBER: P395673

CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	155.8	155.8	155.8	155.8	155.8	155.8	155.8	155.8	155.8	155.8	155.8
2.5°	158.6	157.9	157.2	157.2	156.5	156.5	156.5	155.8	155.8	155.8	156.5
5°	157.9	157.9	157.2	156.5	156.5	156.5	155.8	155.8	155.8	155.8	156.5
7.5°	157.9	157.2	156.5	156.5	155.8	155.8	155.8	155.8	155.8	155.8	156.5
10°	156.5	156.5	155.8	155.8	155.1	155.8	155.8	155.8	155.8	155.8	157.2
12.5°	155.8	155.8	155.1	154.4	154.4	154.4	155.1	155.1	155.1	155.8	157.2
15°	154.4	154.4	153.7	153.7	153.7	153.7	154.4	154.4	155.1	155.8	157.2
17.5°	153.0	153.0	152.3	152.3	152.3	153.0	153.0	153.7	154.4	155.8	157.2
20°	150.9	150.9	150.9	150.9	150.9	151.6	151.6	152.3	153.7	155.1	157.2
22.5°	148.8	148.8	148.8	148.8	148.8	149.5	150.2	151.6	152.3	154.4	156.5
25°	145.9	145.9	145.9	145.9	146.6	147.4	148.1	149.5	150.9	153.0	155.8
27.5°	143.1	143.8	143.8	143.8	144.5	145.2	145.9	147.4	149.5	152.3	154.4
30°	140.3	140.3	140.3	141.0	141.7	142.4	143.8	145.2	147.4	150.2	153.0
32.5°	136.8	136.8	137.5	137.5	138.9	139.6	141.0	143.1	145.2	148.1	150.9
35°	133.3	133.3	133.3	134.7	135.4	136.8	137.5	139.6	142.4	145.2	148.1
37.5°	129.0	129.7	129.7	130.4	131.8	133.3	134.0	136.8	139.6	142.4	145.2
40°	124.8	125.5	125.5	126.2	128.3	129.0	130.4	133.3	135.4	138.9	141.7
42.5°	120.6	120.6	121.3	122.0	124.1	124.8	126.2	129.0	131.8	134.7	137.5
45°	114.9	115.6	116.3	117.0	119.2	120.6	122.0	124.1	126.9	129.7	132.5
47.5°	110.0	110.0	110.7	112.1	114.2	115.6	116.3	119.2	121.3	124.1	126.9
50°	104.3	105.1	105.1	106.5	108.6	110.0	110.7	113.5	115.6	118.4	121.3
52.5°	98.0	98.7	99.4	100.8	102.9	104.3	105.1	107.2	109.3	112.1	114.2
55°	92.4	93.1	93.1	94.5	96.6	97.3	98.7	100.1	102.9	105.1	107.9
57.5°	86.0	86.7	86.7	88.1	89.5	91.0	91.7	93.8	95.9	98.0	100.1
60°	79.0	79.7	80.4	81.1	82.5	83.9	84.6	86.0	88.1	90.2	92.4
62.5°	71.9	72.6	73.3	74.0	75.4	76.1	76.8	79.0	80.4	82.5	83.9
65°	64.9	65.6	66.3	67.0	67.7	68.4	69.1	70.5	71.9	74.0	74.7
67.5°	57.8	58.5	58.5	59.2	59.9	60.6	61.3	62.7	63.5	65.6	66.3
70°	50.8	50.8	50.8	51.5	51.5	52.2	52.9	54.3	55.0	56.4	57.8
72.5°	42.3	43.0	43.0	43.0	43.7	44.4	45.1	45.8	46.5	47.2	48.6
75°	34.5	35.3	34.5	35.3	36.0	36.0	36.7	37.4	38.1	38.8	39.5
77.5°	27.5	26.8	27.5	27.5	28.2	28.2	28.2	28.9	30.3	30.3	31.7
80°	19.7	19.7	19.7	19.7	20.4	20.4	21.2	21.2	22.6	23.3	24.0
82.5°	12.7	12.7	13.4	13.4	13.4	14.1	14.1	14.8	15.5	16.2	16.9
85°	7.1	7.1	7.1	7.8	7.8	8.5	8.5	9.2	9.9	10.6	11.3
87.5°	2.1	2.8	3.5	3.5	4.2	4.2	4.9	4.9	6.3	7.1	7.8
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°	12.0	28.2	58.5	87.4	75.4	70.5	42.3	12.7	11.3	12.0	12.0
95°	24.7	46.5	85.3	138.2	179.1	204.5	221.4	253.8	287.0	281.3	210.1
97.5°	36.0	59.9	102.9	151.6	208.0	236.9	258.8	297.5	339.8	375.1	400.5
100°	47.2	71.9	117.7	168.5	220.7	246.8	272.1	325.0	366.6	401.9	435.7
102.5°	59.2	83.9	131.1	184.0	235.5	260.9	285.5	332.1	378.6	420.9	454.0
105°	71.2	96.6	143.1	197.4	248.9	274.3	298.2	342.7	385.7	425.1	463.2
107.5°	83.9	107.9	153.7	208.0	259.5	284.8	308.8	353.2	394.8	434.3	468.9
110°	95.2	118.4	164.3	217.9	269.3	294.7	318.7	363.1	404.0	441.4	475.2



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CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	105.8	128.3	174.1	226.3	277.1	302.5	325.7	370.1	411.0	447.7	481.5
115°	117.7	137.5	184.0	234.1	284.1	308.8	332.1	375.8	416.7	452.6	485.8
117.5°	127.6	146.6	192.5	240.4	289.8	313.7	336.3	380.0	420.2	456.2	488.6
120°	137.5	155.1	200.2	246.1	294.0	317.3	339.8	382.8	423.0	458.3	490.0
122.5°	147.4	163.6	206.6	251.7	297.5	320.8	342.7	385.0	424.4	459.0	490.0
125°	156.5	170.6	212.2	255.9	299.6	322.2	343.4	385.0	423.7	457.6	488.6
127.5°	165.0	178.4	216.4	260.2	301.1	322.9	343.4	383.5	422.3	455.5	485.8
130°	173.4	185.4	220.7	262.3	302.5	322.2	341.9	380.7	418.8	451.9	480.8
132.5°	181.9	193.2	224.2	264.4	303.2	322.2	340.5	377.9	414.6	447.0	474.5
135°	189.7	198.8	227.7	265.8	302.5	320.8	337.7	373.0	408.2	439.9	466.7
137.5°	196.7	204.5	230.5	266.5	301.8	318.7	335.6	367.3	400.5	431.5	457.6
140°	203.1	210.1	232.0	266.5	298.9	315.9	331.4	361.7	392.0	421.6	447.0
142.5°	208.7	215.0	234.1	265.1	296.1	312.3	327.1	356.0	383.5	411.7	436.4
145°	214.3	219.3	235.5	264.4	292.6	307.4	321.5	349.0	375.8	401.2	424.4
147.5°	218.6	223.5	236.9	261.6	288.4	301.8	315.2	341.2	365.9	389.9	411.0
150°	222.8	227.0	237.6	258.8	283.4	295.4	307.4	332.1	356.0	377.9	397.6
152.5°	227.0	229.8	239.7	255.9	277.8	289.1	301.1	322.9	344.8	365.2	384.2
155°	229.8	232.0	240.4	253.1	272.1	282.0	291.9	312.3	332.1	351.1	368.7
157.5°	232.7	234.8	241.1	251.0	265.8	275.0	283.4	301.1	319.4	336.3	352.5
160°	234.8	236.2	241.1	249.6	260.2	266.5	274.3	290.5	306.0	320.8	334.9
162.5°	236.9	237.6	241.1	247.5	255.2	259.5	265.1	277.8	291.9	304.6	317.3
165°	238.3	239.0	241.1	246.1	251.0	254.5	257.3	266.5	277.1	288.4	298.9
167.5°	239.7	239.7	241.1	244.6	247.5	249.6	251.7	256.6	263.7	272.1	279.9
170°	240.4	240.4	241.1	243.2	245.4	246.1	247.5	250.3	253.8	258.0	263.0
172.5°	240.4	240.4	240.4	241.8	242.5	242.5	242.5	243.9	246.1	248.9	251.0
175°	240.4	239.7	239.7	240.4	239.7	239.7	239.7	239.7	240.4	241.8	242.5
177.5°	240.4	239.7	239.0	239.0	238.3	238.3	237.6	237.6	237.6	237.6	237.6
180°	236.2	236.2	236.2	236.2	236.2	236.2	236.2	236.2	236.2	236.2	236.2



TEST NUMBER: P395673

CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	155.8	155.8	155.8	155.8	155.8	155.8	155.8	155.8	155.8	155.8
2.5°	156.5	156.5	155.8	155.1	155.1	155.1	154.4	153.7	153.0	153.0
5°	156.5	156.5	155.8	155.8	155.8	155.8	155.1	155.1	154.4	154.4
7.5°	157.2	156.5	156.5	156.5	156.5	156.5	156.5	156.5	155.8	155.8
10°	157.2	157.2	157.2	157.2	157.2	157.2	157.2	157.2	157.2	157.2
12.5°	157.9	157.9	157.9	157.9	158.6	158.6	158.6	158.6	158.6	158.6
15°	157.9	158.6	159.3	159.3	159.3	160.0	160.0	160.0	160.0	160.0
17.5°	158.6	159.3	160.0	160.0	160.7	160.7	161.5	161.5	161.5	161.5
20°	158.6	159.3	160.0	160.7	161.5	161.5	162.2	162.9	162.9	162.2
22.5°	157.9	159.3	160.0	160.7	161.5	162.2	162.9	163.6	163.6	163.6
25°	157.2	158.6	160.0	161.5	161.5	162.2	163.6	163.6	163.6	163.6
27.5°	156.5	157.9	159.3	160.7	161.5	162.2	162.9	163.6	163.6	163.6
30°	155.1	157.2	158.6	160.0	160.7	161.5	162.2	162.9	162.9	162.9
32.5°	153.0	155.1	156.5	158.6	159.3	160.0	160.7	161.5	161.5	161.5
35°	150.9	153.0	154.4	156.5	157.2	157.9	159.3	159.3	160.0	160.0
37.5°	147.4	150.2	151.6	153.7	154.4	155.1	156.5	157.2	157.2	157.2
40°	143.8	146.6	148.1	150.2	150.9	151.6	153.0	153.7	154.4	154.4
42.5°	139.6	142.4	143.8	145.9	146.6	147.4	148.8	149.5	150.2	150.2
45°	135.4	137.5	138.9	141.0	142.4	142.4	143.8	144.5	145.2	145.2
47.5°	129.7	131.8	133.3	135.4	136.8	137.5	138.2	138.9	139.6	139.6
50°	123.4	125.5	127.6	129.0	130.4	130.4	131.8	132.5	133.3	133.3
52.5°	117.0	118.4	120.6	122.7	123.4	124.1	124.8	125.5	126.2	126.2
55°	110.0	111.4	113.5	114.9	115.6	116.3	117.0	117.7	118.4	118.4
57.5°	102.2	103.6	105.8	107.2	107.9	108.6	109.3	110.0	110.7	110.7
60°	93.8	95.2	97.3	98.7	99.4	99.4	100.8	101.5	101.5	101.5
62.5°	85.3	86.7	88.1	89.5	90.2	91.0	91.7	92.4	92.4	92.4
65°	76.8	78.3	79.7	80.4	81.1	81.1	81.8	82.5	83.2	83.2
67.5°	67.7	69.1	70.5	71.2	71.9	71.9	72.6	73.3	73.3	73.3
70°	58.5	59.2	60.6	61.3	62.0	62.0	63.5	63.5	63.5	63.5
72.5°	49.4	50.1	51.5	52.2	52.9	52.9	53.6	54.3	54.3	54.3
75°	40.9	41.6	42.3	43.7	43.7	43.7	44.4	45.1	45.1	45.1
77.5°	32.4	33.1	33.8	34.5	35.3	35.3	36.0	36.7	36.7	36.7
80°	24.7	25.4	26.1	26.8	26.8	27.5	27.5	28.2	28.2	28.2
82.5°	17.6	18.3	19.0	19.7	20.4	20.4	21.2	21.9	21.9	21.2
85°	12.0	13.4	14.1	14.8	14.8	14.8	15.5	16.2	16.2	15.5
87.5°	8.5	8.5	9.2	9.9	9.9	10.6	10.6	11.3	11.3	11.3
90°	4.9	4.9	5.6	5.6	6.3	6.3	6.3	7.1	7.1	7.1
92.5°	12.0	12.0	12.7	12.7	12.7	12.7	13.4	13.4	13.4	13.4
95°	128.3	57.8	48.6	29.6	28.2	24.7	24.0	24.7	24.7	24.0
97.5°	430.8	461.1	480.1	489.3	478.0	466.0	452.6	450.5	432.2	391.3
100°	464.6	488.6	511.9	528.1	534.4	540.1	552.8	560.5	564.0	567.6
102.5°	481.5	506.9	527.4	547.8	556.3	564.0	575.3	584.5	588.0	590.8
105°	496.3	522.4	545.0	563.3	571.1	578.1	589.4	597.9	604.2	604.9
107.5°	499.9	527.4	552.8	575.3	584.5	592.2	605.6	612.0	617.6	617.6
110°	506.2	532.3	555.6	576.0	585.2	594.3	608.5	618.3	624.0	625.4



TEST NUMBER: P395673

CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	511.2	537.9	559.8	580.2	588.0	596.5	609.9	619.0	624.0	626.1
115°	515.4	541.5	563.3	582.4	590.8	599.3	612.7	620.4	626.1	628.2
117.5°	518.2	543.6	565.4	583.1	592.2	599.3	612.0	620.4	626.1	626.8
120°	518.9	544.3	565.4	583.1	590.8	598.6	611.3	619.7	625.4	625.4
122.5°	518.9	543.6	564.7	581.7	588.7	595.8	607.7	617.6	622.6	622.6
125°	516.1	540.8	561.2	578.1	585.2	591.5	604.2	613.4	618.3	619.0
127.5°	511.9	535.8	556.3	573.2	580.2	585.9	599.3	607.7	612.7	613.4
130°	506.2	530.2	549.9	566.1	573.2	579.5	590.8	600.0	605.6	607.0
132.5°	499.9	522.4	542.2	557.7	564.7	570.4	581.7	590.8	595.8	597.9
135°	492.1	513.3	532.3	547.8	554.9	560.5	571.1	580.2	585.2	587.3
137.5°	482.2	502.7	521.0	536.5	542.9	548.5	559.1	567.6	571.8	574.6
140°	471.0	490.0	509.0	523.1	529.5	535.1	544.3	553.5	557.7	559.8
142.5°	459.0	478.0	494.9	509.0	514.7	520.3	529.5	537.9	542.2	542.9
145°	446.3	464.6	480.1	493.5	498.5	504.1	512.6	521.0	525.3	526.0
147.5°	432.2	449.1	463.9	476.6	482.2	486.5	494.2	502.0	506.2	506.9
150°	416.0	431.5	444.9	457.6	462.5	466.7	475.2	482.2	486.5	487.2
152.5°	400.5	415.3	426.5	437.8	442.8	447.0	454.0	461.1	465.3	466.0
155°	384.2	397.6	408.9	418.1	422.3	426.5	432.2	438.5	442.1	442.8
157.5°	367.3	380.0	389.9	398.3	402.6	406.1	411.0	416.7	418.8	420.2
160°	349.0	359.6	368.0	376.5	380.0	383.5	388.5	392.7	395.5	396.2
162.5°	329.3	338.4	345.5	353.2	355.3	358.2	363.1	367.3	369.4	370.1
165°	308.8	317.3	323.6	330.0	331.4	333.5	337.0	341.2	342.7	344.1
167.5°	288.4	295.4	299.6	305.3	307.4	308.8	312.3	315.2	316.6	317.3
170°	268.6	273.6	277.1	281.3	282.0	284.1	286.2	289.1	289.8	289.8
172.5°	253.1	255.2	257.3	258.8	259.5	260.2	261.6	262.3	262.3	262.3
175°	243.2	244.6	244.6	245.4	245.4	245.4	245.4	245.4	245.4	245.4
177.5°	237.6	237.6	237.6	236.9	236.9	236.9	236.9	236.2	236.2	236.2
180°	236.2	236.2	236.2	236.2	236.2	236.2	236.2	236.2	236.2	236.2

(END OF REPORT)