

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: P395672

Luminaire Tested: **I3-UL-30L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395672
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 (2700K)
Description: CORELITE I3, OPEN TOP
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2782.0 lumens
Efficiency: N/A
Efficacy: 134.4 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

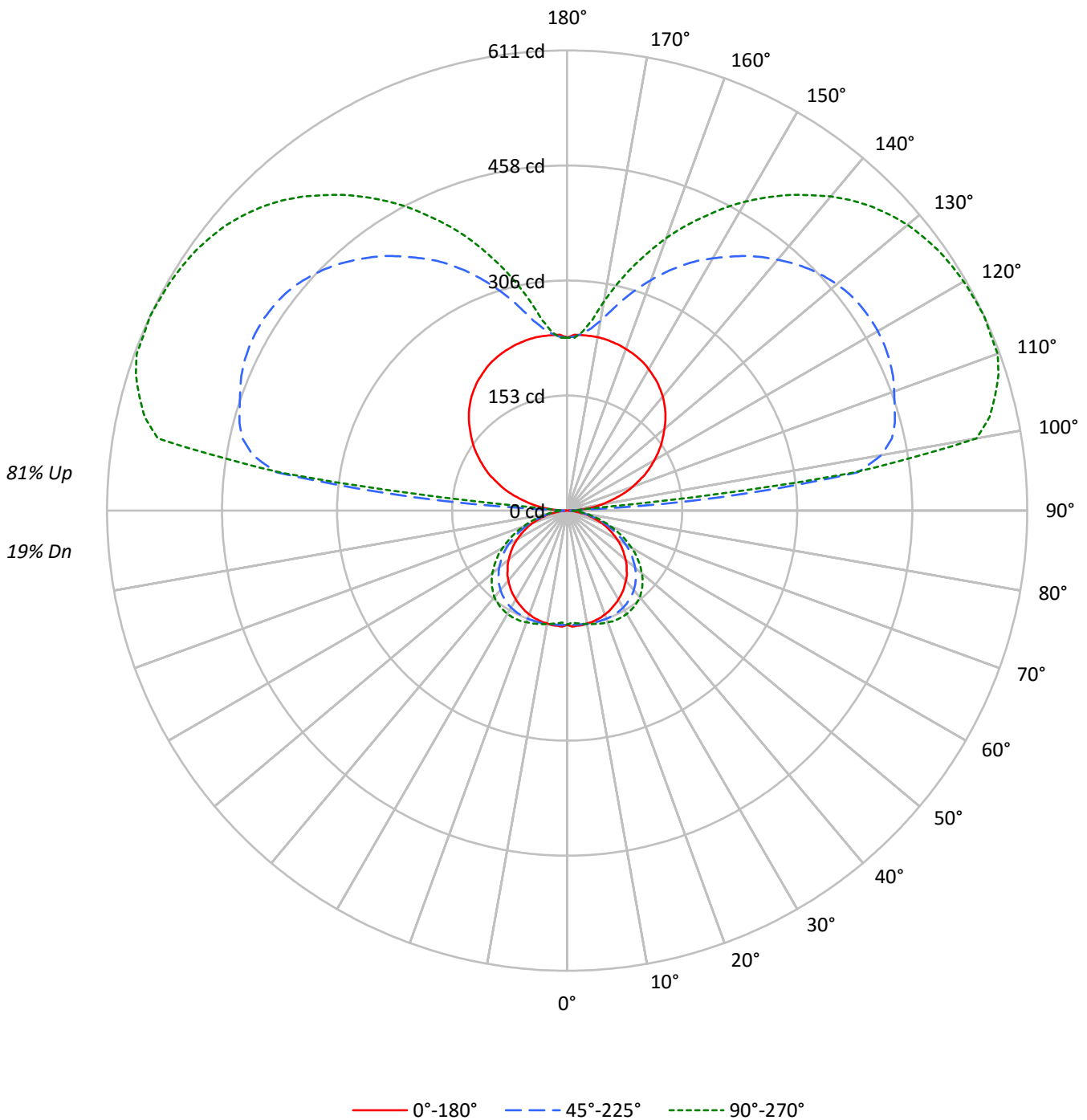
Input Watts (W): 20.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P395672

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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°	833	833	833
5°	844	821	805
10°	843	815	806
15°	845	812	813
20°	845	815	823
25°	844	817	835
30°	845	819	843
35°	844	815	846
40°	841	808	842
45°	834	792	823
50°	826	766	793
55°	811	729	748
60°	786	676	688
65°	752	602	614
70°	711	522	518
75°	616	409	415
80°	490	294	300
85°	293	172	198



TEST NUMBER: P395672

CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (2700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.5	0.5
10°-20°	43.2	1.6
20°-30°	69.6	2.5
30°-40°	89.5	3.2
40°-50°	98.3	3.5
50°-60°	92.4	3.3
60°-70°	71.8	2.6
70°-80°	41.2	1.5
80°-90°	13.2	0.5
90°-100°	177.8	6.4
100°-110°	422.6	15.2
110°-120°	424.5	15.3
120°-130°	389.3	14.0
130°-140°	325.5	11.7
140°-150°	244.3	8.8
150°-160°	159.1	5.7
160°-170°	81.9	2.9
170°-180°	23.2	0.8
0°-30°	127.3	4.6
0°-40°	216.8	7.8
0°-60°	407.5	14.6
0°-90°	533.7	19.2
90°-120°	1025.0	36.8
90°-150°	1984.2	71.3
90°-180°	2248.0	80.8
0°-180°	2782.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	152	152	152	152	152	
5°	154	152	152	152	150	15
15°	150	150	153	155	156	42
25°	142	143	152	157	159	66
35°	130	133	144	153	156	81
45°	112	117	129	138	141	86
55°	90	95	105	112	115	80
65°	63	66	73	79	81	62
75°	34	35	38	42	44	36
85°	7	8	11	14	15	8
90°	1	2	4	6	7	2
95°	24	199	204	27	23	24
105°	69	267	450	555	588	73
115°	114	300	472	575	611	113
125°	152	313	475	569	602	136
135°	184	312	454	540	571	142
145°	208	299	413	485	512	130
155°	224	274	359	411	431	103
165°	232	248	291	322	335	66
175°	234	233	236	239	239	22
180°	230	230	230	230	230	



TEST NUMBER: P395672

CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	151.5	151.5	151.5	151.5	151.5	151.5	151.5	151.5	151.5	151.5	151.5
2.5°	154.3	153.6	152.9	152.9	152.2	152.2	152.2	151.5	151.5	151.5	152.2
5°	153.6	153.6	152.9	152.2	152.2	152.2	151.5	151.5	151.5	151.5	152.2
7.5°	153.6	152.9	152.2	152.2	151.5	151.5	151.5	151.5	151.5	151.5	152.2
10°	152.2	152.2	151.5	151.5	150.8	151.5	151.5	151.5	151.5	151.5	152.9
12.5°	151.5	151.5	150.8	150.2	150.2	150.2	150.8	150.8	150.8	151.5	152.9
15°	150.2	150.2	149.5	149.5	149.5	149.5	150.2	150.2	150.8	151.5	152.9
17.5°	148.8	148.8	148.1	148.1	148.1	148.8	148.8	149.5	150.2	151.5	152.9
20°	146.7	146.7	146.7	146.7	146.7	147.4	147.4	148.1	149.5	150.8	152.9
22.5°	144.7	144.7	144.7	144.7	144.7	145.4	146.0	147.4	148.1	150.2	152.2
25°	141.9	141.9	141.9	141.9	142.6	143.3	144.0	145.4	146.7	148.8	151.5
27.5°	139.2	139.9	139.9	139.9	140.6	141.2	141.9	143.3	145.4	148.1	150.2
30°	136.4	136.4	136.4	137.1	137.8	138.5	139.9	141.2	143.3	146.0	148.8
32.5°	133.0	133.0	133.7	133.7	135.1	135.8	137.1	139.2	141.2	144.0	146.7
35°	129.6	129.6	129.6	131.0	131.6	133.0	133.7	135.8	138.5	141.2	144.0
37.5°	125.5	126.2	126.2	126.8	128.2	129.6	130.3	133.0	135.8	138.5	141.2
40°	121.4	122.0	122.0	122.7	124.8	125.5	126.8	129.6	131.6	135.1	137.8
42.5°	117.2	117.2	117.9	118.6	120.7	121.4	122.7	125.5	128.2	131.0	133.7
45°	111.8	112.4	113.1	113.8	115.9	117.2	118.6	120.7	123.4	126.2	128.9
47.5°	107.0	107.0	107.6	109.0	111.1	112.4	113.1	115.9	117.9	120.7	123.4
50°	101.5	102.2	102.2	103.5	105.6	107.0	107.6	110.4	112.4	115.2	117.9
52.5°	95.3	96.0	96.7	98.0	100.1	101.5	102.2	104.2	106.3	109.0	111.1
55°	89.8	90.5	90.5	91.9	93.9	94.6	96.0	97.4	100.1	102.2	104.9
57.5°	83.6	84.3	84.3	85.7	87.1	88.4	89.1	91.2	93.2	95.3	97.4
60°	76.8	77.5	78.2	78.8	80.2	81.6	82.3	83.6	85.7	87.8	89.8
62.5°	69.9	70.6	71.3	72.0	73.4	74.0	74.7	76.8	78.2	80.2	81.6
65°	63.1	63.8	64.4	65.1	65.8	66.5	67.2	68.6	69.9	72.0	72.7
67.5°	56.2	56.9	56.9	57.6	58.3	59.0	59.6	61.0	61.7	63.8	64.4
70°	49.4	49.4	49.4	50.1	50.1	50.7	51.4	52.8	53.5	54.8	56.2
72.5°	41.1	41.8	41.8	41.8	42.5	43.2	43.9	44.6	45.3	45.9	47.3
75°	33.6	34.3	33.6	34.3	35.0	35.0	35.7	36.3	37.0	37.7	38.4
77.5°	26.7	26.1	26.7	26.7	27.4	27.4	27.4	28.1	29.5	29.5	30.9
80°	19.2	19.2	19.2	19.2	19.9	19.9	20.6	20.6	21.9	22.6	23.3
82.5°	12.3	12.3	13.0	13.0	13.0	13.7	13.7	14.4	15.1	15.8	16.5
85°	6.9	6.9	6.9	7.5	7.5	8.2	8.2	8.9	9.6	10.3	11.0
87.5°	2.1	2.7	3.4	3.4	4.1	4.1	4.8	4.8	6.2	6.9	7.5
90°	0.7	0.7	1.4	1.4	1.4	2.1	2.1	2.7	2.7	3.4	4.1
92.5°	11.7	27.4	56.9	85.0	73.4	68.6	41.1	12.3	11.0	11.7	11.7
95°	24.0	45.3	83.0	134.4	174.1	198.8	215.3	246.8	279.0	273.6	204.3
97.5°	35.0	58.3	100.1	147.4	202.3	230.4	251.6	289.3	330.5	364.8	389.4
100°	45.9	69.9	114.5	163.9	214.6	240.0	264.7	316.1	356.5	390.8	423.7
102.5°	57.6	81.6	127.5	178.9	229.0	253.7	277.7	322.9	368.2	409.3	441.5
105°	69.2	93.9	139.2	192.0	242.0	266.7	290.0	333.2	375.0	413.4	450.5
107.5°	81.6	104.9	149.5	202.3	252.3	277.0	300.3	343.5	383.9	422.3	455.9
110°	92.6	115.2	159.8	211.9	261.9	286.6	309.9	353.1	392.9	429.2	462.1



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CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	102.8	124.8	169.3	220.1	269.4	294.1	316.8	360.0	399.7	435.4	468.3
115°	114.5	133.7	178.9	227.6	276.3	300.3	322.9	365.4	405.2	440.2	472.4
117.5°	124.1	142.6	187.2	233.8	281.8	305.1	327.0	369.6	408.6	443.6	475.1
120°	133.7	150.8	194.7	239.3	285.9	308.5	330.5	372.3	411.4	445.7	476.5
122.5°	143.3	159.1	200.9	244.8	289.3	312.0	333.2	374.4	412.7	446.3	476.5
125°	152.2	165.9	206.4	248.9	291.4	313.3	333.9	374.4	412.1	445.0	475.1
127.5°	160.4	173.5	210.5	253.0	292.8	314.0	333.9	373.0	410.7	442.9	472.4
130°	168.7	180.3	214.6	255.1	294.1	313.3	332.5	370.2	407.3	439.5	467.6
132.5°	176.9	187.9	218.0	257.1	294.8	313.3	331.2	367.5	403.1	434.7	461.4
135°	184.4	193.3	221.5	258.5	294.1	312.0	328.4	362.7	397.0	427.8	453.9
137.5°	191.3	198.8	224.2	259.2	293.4	309.9	326.4	357.2	389.4	419.6	445.0
140°	197.5	204.3	225.6	259.2	290.7	307.2	322.2	351.7	381.2	410.0	434.7
142.5°	202.9	209.1	227.6	257.8	288.0	303.7	318.1	346.2	373.0	400.4	424.4
145°	208.4	213.2	229.0	257.1	284.5	298.9	312.6	339.4	365.4	390.1	412.7
147.5°	212.5	217.3	230.4	254.4	280.4	293.4	306.5	331.8	355.8	379.1	399.7
150°	216.7	220.8	231.1	251.6	275.6	287.3	298.9	322.9	346.2	367.5	386.7
152.5°	220.8	223.5	233.1	248.9	270.1	281.1	292.8	314.0	335.3	355.2	373.7
155°	223.5	225.6	233.8	246.1	264.7	274.2	283.8	303.7	322.9	341.4	358.6
157.5°	226.3	228.3	234.5	244.1	258.5	267.4	275.6	292.8	310.6	327.0	342.8
160°	228.3	229.7	234.5	242.7	253.0	259.2	266.7	282.5	297.6	312.0	325.7
162.5°	230.4	231.1	234.5	240.7	248.2	252.3	257.8	270.1	283.8	296.2	308.5
165°	231.7	232.4	234.5	239.3	244.1	247.5	250.3	259.2	269.4	280.4	290.7
167.5°	233.1	233.1	234.5	237.9	240.7	242.7	244.8	249.6	256.4	264.7	272.2
170°	233.8	233.8	234.5	236.5	238.6	239.3	240.7	243.4	246.8	250.9	255.7
172.5°	233.8	233.8	233.8	235.2	235.9	235.9	235.9	237.2	239.3	242.0	244.1
175°	233.8	233.1	233.1	233.8	233.1	233.1	233.1	233.1	233.8	235.2	235.9
177.5°	233.8	233.1	232.4	232.4	231.7	231.7	231.1	231.1	231.1	231.1	231.1
180°	229.7	229.7	229.7	229.7	229.7	229.7	229.7	229.7	229.7	229.7	229.7



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CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	151.5	151.5	151.5	151.5	151.5	151.5	151.5	151.5	151.5	151.5
2.5°	152.2	152.2	151.5	150.8	150.8	150.8	150.2	149.5	148.8	148.8
5°	152.2	152.2	151.5	151.5	151.5	151.5	150.8	150.8	150.2	150.2
7.5°	152.9	152.2	152.2	152.2	152.2	152.2	152.2	152.2	151.5	151.5
10°	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9
12.5°	153.6	153.6	153.6	153.6	154.3	154.3	154.3	154.3	154.3	154.3
15°	153.6	154.3	155.0	155.0	155.0	155.6	155.6	155.6	155.6	155.6
17.5°	154.3	155.0	155.6	155.6	156.3	156.3	157.0	157.0	157.0	157.0
20°	154.3	155.0	155.6	156.3	157.0	157.0	157.7	158.4	158.4	157.7
22.5°	153.6	155.0	155.6	156.3	157.0	157.7	158.4	159.1	159.1	159.1
25°	152.9	154.3	155.6	157.0	157.0	157.7	159.1	159.1	159.1	159.1
27.5°	152.2	153.6	155.0	156.3	157.0	157.7	158.4	159.1	159.1	159.1
30°	150.8	152.9	154.3	155.6	156.3	157.0	157.7	158.4	158.4	158.4
32.5°	148.8	150.8	152.2	154.3	155.0	155.6	156.3	157.0	157.0	157.0
35°	146.7	148.8	150.2	152.2	152.9	153.6	155.0	155.0	155.6	155.6
37.5°	143.3	146.0	147.4	149.5	150.2	150.8	152.2	152.9	152.9	152.9
40°	139.9	142.6	144.0	146.0	146.7	147.4	148.8	149.5	150.2	150.2
42.5°	135.8	138.5	139.9	141.9	142.6	143.3	144.7	145.4	146.0	146.0
45°	131.6	133.7	135.1	137.1	138.5	138.5	139.9	140.6	141.2	141.2
47.5°	126.2	128.2	129.6	131.6	133.0	133.7	134.4	135.1	135.8	135.8
50°	120.0	122.0	124.1	125.5	126.8	126.8	128.2	128.9	129.6	129.6
52.5°	113.8	115.2	117.2	119.3	120.0	120.7	121.4	122.0	122.7	122.7
55°	107.0	108.3	110.4	111.8	112.4	113.1	113.8	114.5	115.2	115.2
57.5°	99.4	100.8	102.8	104.2	104.9	105.6	106.3	107.0	107.6	107.6
60°	91.2	92.6	94.6	96.0	96.7	96.7	98.0	98.7	98.7	98.7
62.5°	83.0	84.3	85.7	87.1	87.8	88.4	89.1	89.8	89.8	89.8
65°	74.7	76.1	77.5	78.2	78.8	78.8	79.5	80.2	80.9	80.9
67.5°	65.8	67.2	68.6	69.2	69.9	69.9	70.6	71.3	71.3	71.3
70°	56.9	57.6	59.0	59.6	60.3	60.3	61.7	61.7	61.7	61.7
72.5°	48.0	48.7	50.1	50.7	51.4	51.4	52.1	52.8	52.8	52.8
75°	39.8	40.5	41.1	42.5	42.5	42.5	43.2	43.9	43.9	43.9
77.5°	31.5	32.2	32.9	33.6	34.3	34.3	35.0	35.7	35.7	35.7
80°	24.0	24.7	25.4	26.1	26.1	26.7	26.7	27.4	27.4	27.4
82.5°	17.1	17.8	18.5	19.2	19.9	19.9	20.6	21.3	21.3	20.6
85°	11.7	13.0	13.7	14.4	14.4	14.4	15.1	15.8	15.8	15.1
87.5°	8.2	8.2	8.9	9.6	9.6	10.3	10.3	11.0	11.0	11.0
90°	4.8	4.8	5.5	5.5	6.2	6.2	6.2	6.9	6.9	6.9
92.5°	11.7	11.7	12.3	12.3	12.3	12.3	13.0	13.0	13.0	13.0
95°	124.8	56.2	47.3	28.8	27.4	24.0	23.3	24.0	24.0	23.3
97.5°	418.9	448.4	466.9	475.8	464.9	453.2	440.2	438.1	420.3	380.5
100°	451.8	475.1	497.8	513.5	519.7	525.2	537.5	545.1	548.5	551.9
102.5°	468.3	493.0	512.8	532.7	541.0	548.5	559.5	568.4	571.8	574.6
105°	482.7	508.0	530.0	547.8	555.4	562.2	573.2	581.4	587.6	588.3
107.5°	486.1	512.8	537.5	559.5	568.4	575.9	588.9	595.1	600.6	600.6
110°	492.3	517.6	540.3	560.2	569.1	578.0	591.7	601.3	606.8	608.1



TEST NUMBER: P395672

CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	497.1	523.1	544.4	564.3	571.8	580.0	593.1	602.0	606.8	608.8
115°	501.2	526.6	547.8	566.3	574.6	582.8	595.8	603.3	608.8	610.9
117.5°	503.9	528.6	549.9	567.0	575.9	582.8	595.1	603.3	608.8	609.5
120°	504.6	529.3	549.9	567.0	574.6	582.1	594.4	602.7	608.1	608.1
122.5°	504.6	528.6	549.2	565.6	572.5	579.4	591.0	600.6	605.4	605.4
125°	501.9	525.9	545.8	562.2	569.1	575.2	587.6	596.5	601.3	602.0
127.5°	497.8	521.1	541.0	557.4	564.3	569.8	582.8	591.0	595.8	596.5
130°	492.3	515.6	534.8	550.6	557.4	563.6	574.6	583.5	588.9	590.3
132.5°	486.1	508.0	527.2	542.3	549.2	554.7	565.6	574.6	579.4	581.4
135°	478.6	499.1	517.6	532.7	539.6	545.1	555.4	564.3	569.1	571.1
137.5°	469.0	488.8	506.7	521.8	527.9	533.4	543.7	551.9	556.0	558.8
140°	458.0	476.5	495.0	508.7	514.9	520.4	529.3	538.2	542.3	544.4
142.5°	446.3	464.9	481.3	495.0	500.5	506.0	514.9	523.1	527.2	527.9
145°	434.0	451.8	466.9	479.9	484.7	490.2	498.4	506.7	510.8	511.5
147.5°	420.3	436.7	451.1	463.5	469.0	473.1	480.6	488.2	492.3	493.0
150°	404.5	419.6	432.6	445.0	449.8	453.9	462.1	469.0	473.1	473.8
152.5°	389.4	403.8	414.8	425.8	430.6	434.7	441.5	448.4	452.5	453.2
155°	373.7	386.7	397.7	406.6	410.7	414.8	420.3	426.5	429.9	430.6
157.5°	357.2	369.6	379.1	387.4	391.5	394.9	399.7	405.2	407.3	408.6
160°	339.4	349.7	357.9	366.1	369.6	373.0	377.8	381.9	384.6	385.3
162.5°	320.2	329.1	336.0	343.5	345.6	348.3	353.1	357.2	359.3	360.0
165°	300.3	308.5	314.7	320.9	322.2	324.3	327.7	331.8	333.2	334.6
167.5°	280.4	287.3	291.4	296.9	298.9	300.3	303.7	306.5	307.8	308.5
170°	261.2	266.0	269.4	273.6	274.2	276.3	278.4	281.1	281.8	281.8
172.5°	246.1	248.2	250.3	251.6	252.3	253.0	254.4	255.1	255.1	255.1
175°	236.5	237.9	237.9	238.6	238.6	238.6	238.6	238.6	238.6	238.6
177.5°	231.1	231.1	231.1	230.4	230.4	230.4	230.4	229.7	229.7	229.7
180°	229.7	229.7	229.7	229.7	229.7	229.7	229.7	229.7	229.7	229.7

(END OF REPORT)