

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: P395676

Luminaire Tested: **I3-UL-30L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395676
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 (4500K)
Description: CORELITE I3, OPEN TOP
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3079.0 lumens
Efficiency: N/A
Efficacy: 145.9 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

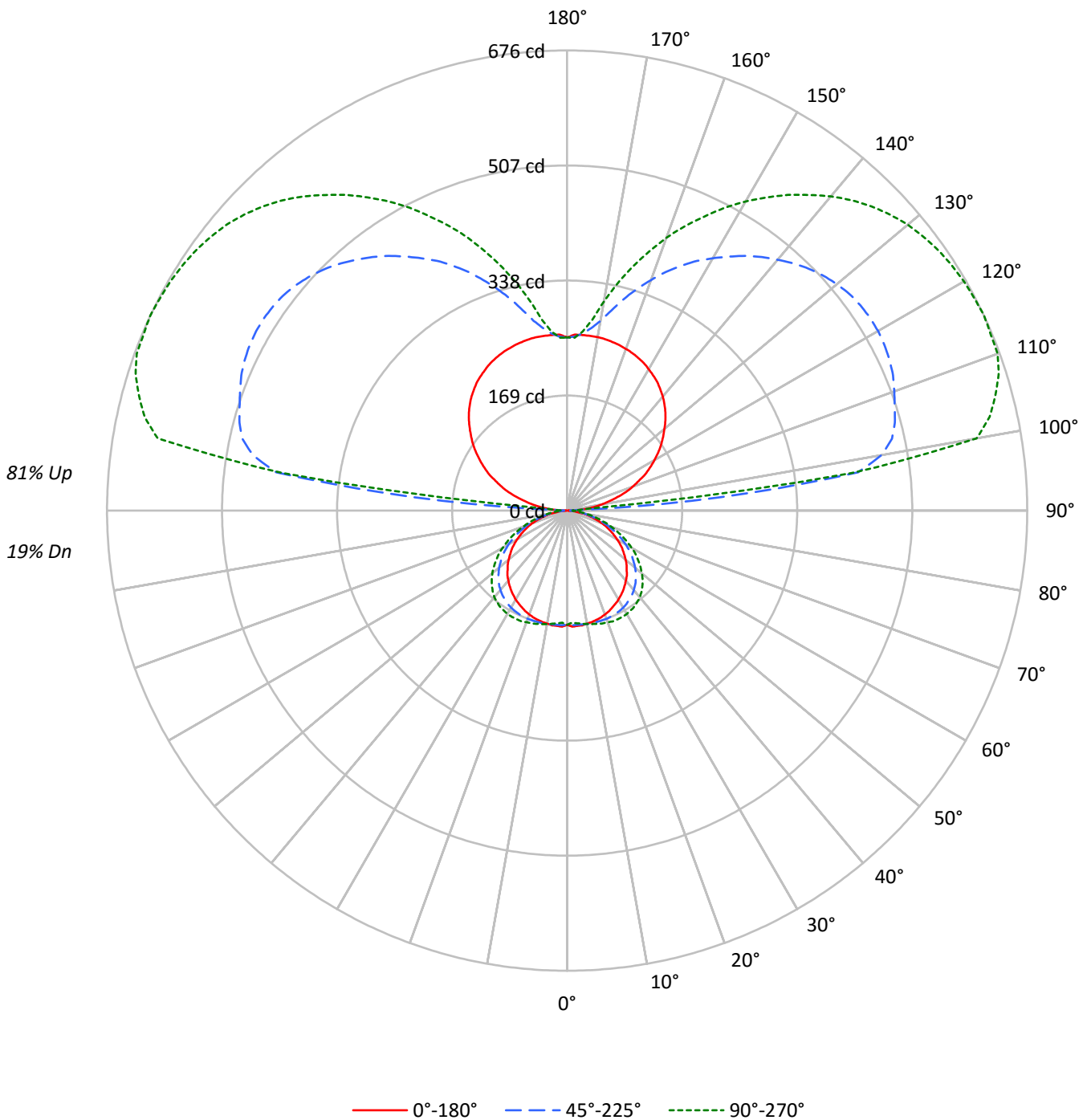
Input Watts (W): 21.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	922	922	922
5°	934	909	891
10°	933	902	892
15°	935	899	900
20°	935	902	910
25°	934	905	924
30°	935	906	933
35°	934	902	937
40°	930	895	932
45°	922	876	911
50°	914	847	878
55°	898	806	828
60°	870	748	762
65°	832	666	679
70°	786	578	573
75°	682	453	460
80°	541	326	333
85°	322	189	219



TEST NUMBER: P395676

CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.1	0.5
10°-20°	47.8	1.6
20°-30°	77.0	2.5
30°-40°	99.1	3.2
40°-50°	108.8	3.5
50°-60°	102.3	3.3
60°-70°	79.4	2.6
70°-80°	45.6	1.5
80°-90°	14.6	0.5
90°-100°	196.8	6.4
100°-110°	467.7	15.2
110°-120°	469.9	15.3
120°-130°	430.9	14.0
130°-140°	360.3	11.7
140°-150°	270.4	8.8
150°-160°	176.0	5.7
160°-170°	90.7	2.9
170°-180°	25.7	0.8
0°-30°	140.9	4.6
0°-40°	239.9	7.8
0°-60°	451.0	14.6
0°-90°	590.6	19.2
90°-120°	1134.4	36.8
90°-150°	2196.0	71.3
90°-180°	2488.0	80.8
0°-180°	3079.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	168	168	168	168	168	
5°	170	168	168	168	166	16
15°	166	165	169	172	172	47
25°	157	159	168	174	176	72
35°	143	147	159	169	172	90
45°	124	130	143	153	156	96
55°	99	105	116	124	128	89
65°	70	74	80	87	90	69
75°	37	39	42	47	49	40
85°	8	9	12	16	17	9
90°	1	2	5	7	8	2
95°	27	220	226	30	26	26
105°	77	295	498	615	651	81
115°	127	332	523	636	676	125
125°	168	347	526	630	666	150
135°	204	345	502	597	632	157
145°	231	331	457	536	566	144
155°	247	304	397	454	476	114
165°	256	274	322	357	370	73
175°	259	258	261	264	264	25
180°	254	254	254	254	254	



TEST NUMBER: P395676

CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	167.7	167.7	167.7	167.7	167.7	167.7	167.7	167.7	167.7	167.7	167.7
2.5°	170.7	170.0	169.2	169.2	168.5	168.5	168.5	167.7	167.7	167.7	168.5
5°	170.0	170.0	169.2	168.5	168.5	168.5	167.7	167.7	167.7	167.7	168.5
7.5°	170.0	169.2	168.5	168.5	167.7	167.7	167.7	167.7	167.7	167.7	168.5
10°	168.5	168.5	167.7	167.7	166.9	167.7	167.7	167.7	167.7	167.7	169.2
12.5°	167.7	167.7	166.9	166.2	166.2	166.2	166.9	166.9	166.9	167.7	169.2
15°	166.2	166.2	165.4	165.4	165.4	165.4	166.2	166.2	166.9	167.7	169.2
17.5°	164.7	164.7	163.9	163.9	163.9	164.7	164.7	165.4	166.2	167.7	169.2
20°	162.4	162.4	162.4	162.4	162.4	163.1	163.1	163.9	165.4	166.9	169.2
22.5°	160.1	160.1	160.1	160.1	160.1	160.9	161.6	163.1	163.9	166.2	168.5
25°	157.1	157.1	157.1	157.1	157.8	158.6	159.4	160.9	162.4	164.7	167.7
27.5°	154.0	154.8	154.8	154.8	155.6	156.3	157.1	158.6	160.9	163.9	166.2
30°	151.0	151.0	151.0	151.8	152.5	153.3	154.8	156.3	158.6	161.6	164.7
32.5°	147.2	147.2	148.0	148.0	149.5	150.2	151.8	154.0	156.3	159.4	162.4
35°	143.4	143.4	143.4	144.9	145.7	147.2	148.0	150.2	153.3	156.3	159.4
37.5°	138.9	139.6	139.6	140.4	141.9	143.4	144.2	147.2	150.2	153.3	156.3
40°	134.3	135.1	135.1	135.8	138.1	138.9	140.4	143.4	145.7	149.5	152.5
42.5°	129.8	129.8	130.5	131.3	133.6	134.3	135.8	138.9	141.9	144.9	148.0
45°	123.7	124.4	125.2	126.0	128.2	129.8	131.3	133.6	136.6	139.6	142.7
47.5°	118.4	118.4	119.1	120.7	122.9	124.4	125.2	128.2	130.5	133.6	136.6
50°	112.3	113.1	113.1	114.6	116.9	118.4	119.1	122.2	124.4	127.5	130.5
52.5°	105.5	106.2	107.0	108.5	110.8	112.3	113.1	115.3	117.6	120.7	122.9
55°	99.4	100.2	100.2	101.7	104.0	104.7	106.2	107.8	110.8	113.1	116.1
57.5°	92.6	93.3	93.3	94.9	96.4	97.9	98.6	100.9	103.2	105.5	107.8
60°	85.0	85.7	86.5	87.3	88.8	90.3	91.1	92.6	94.9	97.1	99.4
62.5°	77.4	78.2	78.9	79.7	81.2	82.0	82.7	85.0	86.5	88.8	90.3
65°	69.8	70.6	71.3	72.1	72.8	73.6	74.4	75.9	77.4	79.7	80.4
67.5°	62.2	63.0	63.0	63.7	64.5	65.3	66.0	67.5	68.3	70.6	71.3
70°	54.6	54.6	54.6	55.4	55.4	56.2	56.9	58.4	59.2	60.7	62.2
72.5°	45.5	46.3	46.3	46.3	47.0	47.8	48.6	49.3	50.1	50.8	52.4
75°	37.2	37.9	37.2	37.9	38.7	38.7	39.5	40.2	41.0	41.7	42.5
77.5°	29.6	28.8	29.6	29.6	30.4	30.4	30.4	31.1	32.6	32.6	34.1
80°	21.2	21.2	21.2	21.2	22.0	22.0	22.8	22.8	24.3	25.0	25.8
82.5°	13.7	13.7	14.4	14.4	14.4	15.2	15.2	15.9	16.7	17.5	18.2
85°	7.6	7.6	7.6	8.3	8.3	9.1	9.1	9.9	10.6	11.4	12.1
87.5°	2.3	3.0	3.8	3.8	4.6	4.6	5.3	5.3	6.8	7.6	8.3
90°	0.8	0.8	1.5	1.5	1.5	2.3	2.3	3.0	3.0	3.8	4.6
92.5°	12.9	30.4	63.0	94.1	81.2	75.9	45.5	13.7	12.1	12.9	12.9
95°	26.6	50.1	91.8	148.7	192.7	220.1	238.3	273.2	308.8	302.8	226.1
97.5°	38.7	64.5	110.8	163.1	223.9	255.0	278.5	320.2	365.7	403.7	431.0
100°	50.8	77.4	126.7	181.4	237.5	265.6	292.9	349.8	394.6	432.5	468.9
102.5°	63.7	90.3	141.1	198.1	253.4	280.8	307.3	357.4	407.5	453.0	488.7
105°	76.6	104.0	154.0	212.5	267.9	295.2	321.0	368.8	415.1	457.6	498.5
107.5°	90.3	116.1	165.4	223.9	279.2	306.6	332.4	380.2	424.9	467.4	504.6
110°	102.4	127.5	176.8	234.5	289.9	317.2	343.0	390.8	434.8	475.0	511.4



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CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	113.8	138.1	187.4	243.6	298.2	325.5	350.6	398.4	442.4	481.8	518.3
115°	126.7	148.0	198.1	251.9	305.8	332.4	357.4	404.4	448.5	487.2	522.8
117.5°	137.3	157.8	207.2	258.8	311.9	337.7	362.0	409.0	452.3	491.0	525.9
120°	148.0	166.9	215.5	264.8	316.4	341.5	365.7	412.0	455.3	493.2	527.4
122.5°	158.6	176.0	222.3	270.9	320.2	345.3	368.8	414.3	456.8	494.0	527.4
125°	168.5	183.6	228.4	275.5	322.5	346.8	369.5	414.3	456.0	492.5	525.9
127.5°	177.6	192.0	233.0	280.0	324.0	347.5	369.5	412.8	454.5	490.2	522.8
130°	186.7	199.6	237.5	282.3	325.5	346.8	368.0	409.8	450.7	486.4	517.5
132.5°	195.8	207.9	241.3	284.6	326.3	346.8	366.5	406.7	446.2	481.1	510.7
135°	204.1	214.0	245.1	286.1	325.5	345.3	363.5	401.4	439.4	473.5	502.3
137.5°	211.7	220.1	248.1	286.8	324.8	343.0	361.2	395.3	431.0	464.4	492.5
140°	218.5	226.1	249.7	286.8	321.7	339.9	356.6	389.3	421.9	453.8	481.1
142.5°	224.6	231.4	251.9	285.3	318.7	336.2	352.1	383.2	412.8	443.1	469.7
145°	230.7	236.0	253.4	284.6	314.9	330.8	346.0	375.6	404.4	431.8	456.8
147.5°	235.2	240.5	255.0	281.5	310.4	324.8	339.2	367.3	393.8	419.6	442.4
150°	239.8	244.3	255.7	278.5	305.0	317.9	330.8	357.4	383.2	406.7	428.0
152.5°	244.3	247.4	258.0	275.5	299.0	311.1	324.0	347.5	371.1	393.1	413.6
155°	247.4	249.7	258.8	272.4	292.9	303.5	314.1	336.2	357.4	377.9	396.9
157.5°	250.4	252.7	259.5	270.1	286.1	295.9	305.0	324.0	343.7	362.0	379.4
160°	252.7	254.2	259.5	268.6	280.0	286.8	295.2	312.6	329.3	345.3	360.4
162.5°	255.0	255.7	259.5	266.3	274.7	279.2	285.3	299.0	314.1	327.8	341.5
165°	256.5	257.2	259.5	264.8	270.1	273.9	277.0	286.8	298.2	310.4	321.7
167.5°	258.0	258.0	259.5	263.3	266.3	268.6	270.9	276.2	283.8	292.9	301.2
170°	258.8	258.8	259.5	261.8	264.1	264.8	266.3	269.4	273.2	277.7	283.0
172.5°	258.8	258.8	258.8	260.3	261.0	261.0	261.0	262.6	264.8	267.9	270.1
175°	258.8	258.0	258.0	258.8	258.0	258.0	258.0	258.0	258.8	260.3	261.0
177.5°	258.8	258.0	257.2	257.2	256.5	256.5	255.7	255.7	255.7	255.7	255.7
180°	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	167.7	167.7	167.7	167.7	167.7	167.7	167.7	167.7	167.7	167.7
2.5°	168.5	168.5	167.7	166.9	166.9	166.9	166.2	165.4	164.7	164.7
5°	168.5	168.5	167.7	167.7	167.7	167.7	166.9	166.9	166.2	166.2
7.5°	169.2	168.5	168.5	168.5	168.5	168.5	168.5	168.5	167.7	167.7
10°	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2
12.5°	170.0	170.0	170.0	170.0	170.7	170.7	170.7	170.7	170.7	170.7
15°	170.0	170.7	171.5	171.5	171.5	172.3	172.3	172.3	172.3	172.3
17.5°	170.7	171.5	172.3	172.3	173.0	173.0	173.8	173.8	173.8	173.8
20°	170.7	171.5	172.3	173.0	173.8	173.8	174.5	175.3	175.3	174.5
22.5°	170.0	171.5	172.3	173.0	173.8	174.5	175.3	176.0	176.0	176.0
25°	169.2	170.7	172.3	173.8	173.8	174.5	176.0	176.0	176.0	176.0
27.5°	168.5	170.0	171.5	173.0	173.8	174.5	175.3	176.0	176.0	176.0
30°	166.9	169.2	170.7	172.3	173.0	173.8	174.5	175.3	175.3	175.3
32.5°	164.7	166.9	168.5	170.7	171.5	172.3	173.0	173.8	173.8	173.8
35°	162.4	164.7	166.2	168.5	169.2	170.0	171.5	171.5	172.3	172.3
37.5°	158.6	161.6	163.1	165.4	166.2	166.9	168.5	169.2	169.2	169.2
40°	154.8	157.8	159.4	161.6	162.4	163.1	164.7	165.4	166.2	166.2
42.5°	150.2	153.3	154.8	157.1	157.8	158.6	160.1	160.9	161.6	161.6
45°	145.7	148.0	149.5	151.8	153.3	153.3	154.8	155.6	156.3	156.3
47.5°	139.6	141.9	143.4	145.7	147.2	148.0	148.7	149.5	150.2	150.2
50°	132.8	135.1	137.3	138.9	140.4	140.4	141.9	142.7	143.4	143.4
52.5°	126.0	127.5	129.8	132.0	132.8	133.6	134.3	135.1	135.8	135.8
55°	118.4	119.9	122.2	123.7	124.4	125.2	126.0	126.7	127.5	127.5
57.5°	110.0	111.5	113.8	115.3	116.1	116.9	117.6	118.4	119.1	119.1
60°	100.9	102.4	104.7	106.2	107.0	107.0	108.5	109.3	109.3	109.3
62.5°	91.8	93.3	94.9	96.4	97.1	97.9	98.6	99.4	99.4	99.4
65°	82.7	84.2	85.7	86.5	87.3	87.3	88.0	88.8	89.5	89.5
67.5°	72.8	74.4	75.9	76.6	77.4	77.4	78.2	78.9	78.9	78.9
70°	63.0	63.7	65.3	66.0	66.8	66.8	68.3	68.3	68.3	68.3
72.5°	53.1	53.9	55.4	56.2	56.9	56.9	57.7	58.4	58.4	58.4
75°	44.0	44.8	45.5	47.0	47.0	47.0	47.8	48.6	48.6	48.6
77.5°	34.9	35.7	36.4	37.2	37.9	37.9	38.7	39.5	39.5	39.5
80°	26.6	27.3	28.1	28.8	28.8	29.6	29.6	30.4	30.4	30.4
82.5°	19.0	19.7	20.5	21.2	22.0	22.0	22.8	23.5	23.5	22.8
85°	12.9	14.4	15.2	15.9	15.9	15.9	16.7	17.5	17.5	16.7
87.5°	9.1	9.1	9.9	10.6	10.6	11.4	11.4	12.1	12.1	12.1
90°	5.3	5.3	6.1	6.1	6.8	6.8	6.8	7.6	7.6	7.6
92.5°	12.9	12.9	13.7	13.7	13.7	13.7	14.4	14.4	14.4	14.4
95°	138.1	62.2	52.4	31.9	30.4	26.6	25.8	26.6	26.6	25.8
97.5°	463.6	496.3	516.8	526.6	514.5	501.6	487.2	484.9	465.2	421.1
100°	500.1	525.9	550.9	568.4	575.2	581.3	594.9	603.3	607.1	610.8
102.5°	518.3	545.6	567.6	589.6	598.7	607.1	619.2	629.1	632.9	635.9
105°	534.2	562.3	586.6	606.3	614.6	622.2	634.4	643.5	650.3	651.1
107.5°	538.0	567.6	594.9	619.2	629.1	637.4	651.8	658.7	664.7	664.7
110°	544.8	572.9	597.9	620.0	629.8	639.7	654.9	665.5	671.6	673.1



TEST NUMBER: P395676

CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	550.1	579.0	602.5	624.5	632.9	642.0	656.4	666.2	671.6	673.8
115°	554.7	582.8	606.3	626.8	635.9	645.0	659.4	667.8	673.8	676.1
117.5°	557.7	585.0	608.6	627.5	637.4	645.0	658.7	667.8	673.8	674.6
120°	558.5	585.8	608.6	627.5	635.9	644.2	657.9	667.0	673.1	673.1
122.5°	558.5	585.0	607.8	626.0	633.6	641.2	654.1	664.7	670.0	670.0
125°	555.5	582.0	604.0	622.2	629.8	636.6	650.3	660.2	665.5	666.2
127.5°	550.9	576.7	598.7	616.9	624.5	630.6	645.0	654.1	659.4	660.2
130°	544.8	570.6	591.9	609.3	616.9	623.7	635.9	645.8	651.8	653.3
132.5°	538.0	562.3	583.5	600.2	607.8	613.9	626.0	635.9	641.2	643.5
135°	529.7	552.4	572.9	589.6	597.2	603.3	614.6	624.5	629.8	632.1
137.5°	519.0	541.0	560.8	577.5	584.3	590.4	601.7	610.8	615.4	618.4
140°	506.9	527.4	547.9	563.0	569.9	575.9	585.8	595.7	600.2	602.5
142.5°	494.0	514.5	532.7	547.9	553.9	560.0	569.9	579.0	583.5	584.3
145°	480.3	500.1	516.8	531.2	536.5	542.6	551.7	560.8	565.3	566.1
147.5°	465.2	483.4	499.3	513.0	519.0	523.6	531.9	540.3	544.8	545.6
150°	447.7	464.4	478.8	492.5	497.8	502.3	511.4	519.0	523.6	524.3
152.5°	431.0	446.9	459.1	471.2	476.5	481.1	488.7	496.3	500.8	501.6
155°	413.6	428.0	440.1	450.0	454.5	459.1	465.2	472.0	475.8	476.5
157.5°	395.3	409.0	419.6	428.7	433.3	437.1	442.4	448.5	450.7	452.3
160°	375.6	387.0	396.1	405.2	409.0	412.8	418.1	422.7	425.7	426.5
162.5°	354.4	364.2	371.8	380.2	382.4	385.5	390.8	395.3	397.6	398.4
165°	332.4	341.5	348.3	355.1	356.6	358.9	362.7	367.3	368.8	370.3
167.5°	310.4	317.9	322.5	328.6	330.8	332.4	336.2	339.2	340.7	341.5
170°	289.1	294.4	298.2	302.8	303.5	305.8	308.1	311.1	311.9	311.9
172.5°	272.4	274.7	277.0	278.5	279.2	280.0	281.5	282.3	282.3	282.3
175°	261.8	263.3	263.3	264.1	264.1	264.1	264.1	264.1	264.1	264.1
177.5°	255.7	255.7	255.7	255.0	255.0	255.0	255.0	254.2	254.2	254.2
180°	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2

(END OF REPORT)