

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: P395714

Luminaire Tested: **I3-UL-40L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395714
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-40L92765-1D-UNV-W2A-W-4 (4000K)
Description: CORELITE I3, OPEN TOP
4000 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: 3565.4 lumens
Efficiency: N/A
Efficacy: 126.4 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

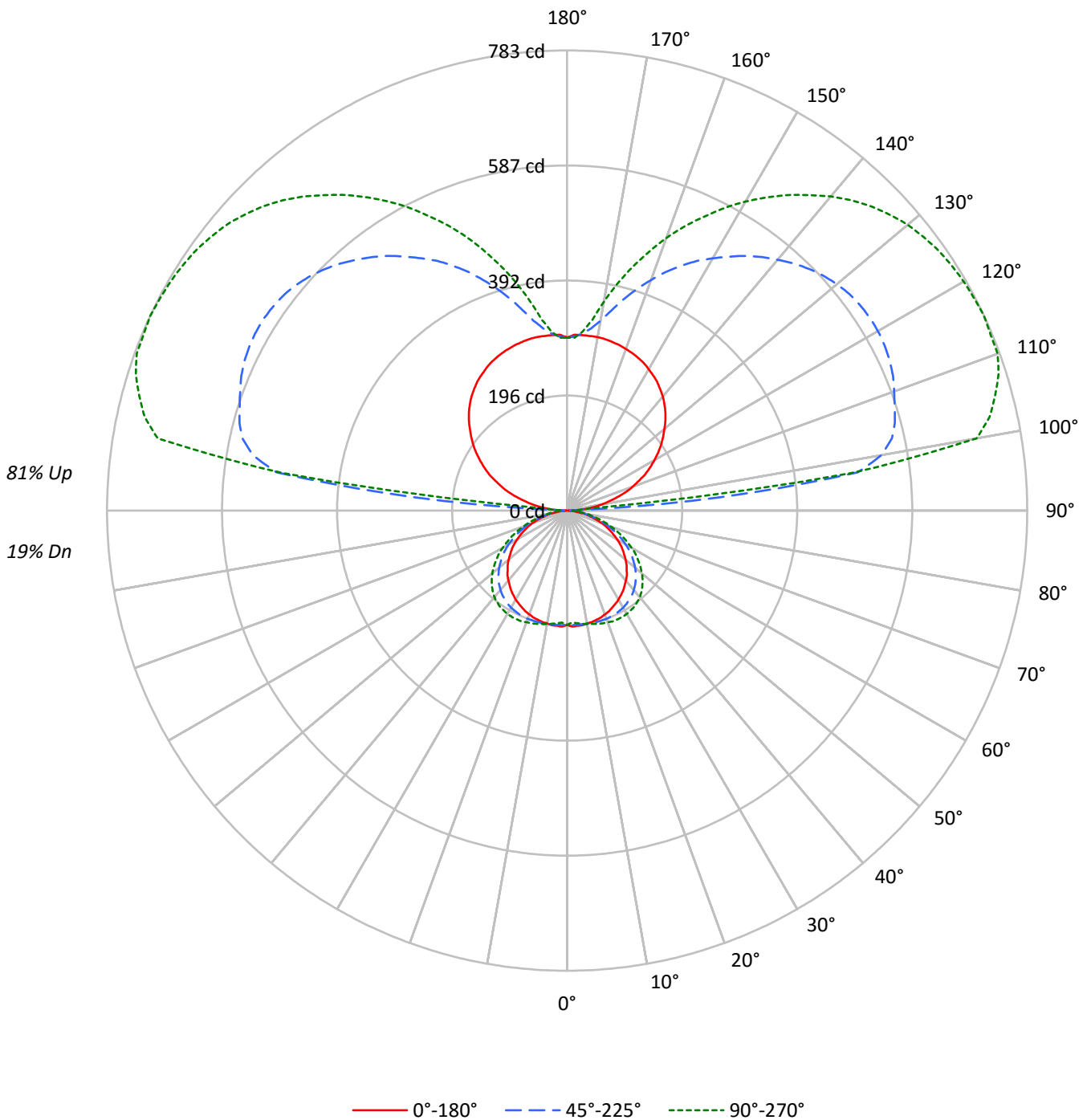
Input Watts (W): 28.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (4000K)

Luminous Intensity Polar Plot





TEST NUMBER: P395714

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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	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°	1067	1067	1067
5°	1082	1052	1031
10°	1081	1045	1033
15°	1082	1041	1042
20°	1083	1045	1054
25°	1082	1048	1070
30°	1083	1049	1080
35°	1082	1044	1085
40°	1077	1036	1079
45°	1068	1014	1055
50°	1058	981	1017
55°	1040	934	958
60°	1007	866	882
65°	963	771	786
70°	911	670	664
75°	790	525	532
80°	627	377	384
85°	373	220	253



TEST NUMBER: P395714

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (4000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.6	0.5
10°-20°	55.4	1.6
20°-30°	89.1	2.5
30°-40°	114.7	3.2
40°-50°	126.0	3.5
50°-60°	118.4	3.3
60°-70°	92.0	2.6
70°-80°	52.8	1.5
80°-90°	16.9	0.5
90°-100°	227.9	6.4
100°-110°	541.6	15.2
110°-120°	544.1	15.3
120°-130°	499.0	14.0
130°-140°	417.2	11.7
140°-150°	313.2	8.8
150°-160°	203.9	5.7
160°-170°	105.0	2.9
170°-180°	29.7	0.8
0°-30°	163.1	4.6
0°-40°	277.8	7.8
0°-60°	522.3	14.6
0°-90°	683.9	19.2
90°-120°	1313.6	36.8
90°-150°	2543.0	71.3
90°-180°	2882.0	80.8
0°-180°	3565.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	194	194	194	194	194	
5°	197	195	195	194	192	19
15°	192	192	196	199	200	54
25°	182	184	194	201	204	84
35°	166	170	184	196	200	104
45°	143	150	165	178	181	111
55°	115	121	134	144	148	103
65°	81	85	93	101	104	80
75°	43	45	49	54	56	46
85°	9	10	14	18	19	10
90°	1	3	5	8	9	3
95°	31	255	262	35	30	31
105°	89	342	577	712	754	94
115°	147	385	605	736	783	144
125°	195	402	609	729	772	174
135°	236	400	582	692	732	182
145°	267	383	529	621	656	167
155°	286	352	460	526	552	132
165°	297	317	373	413	429	84
175°	300	299	302	306	306	29
180°	294	294	294	294	294	



TEST NUMBER: P395714

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	194.2	194.2	194.2	194.2	194.2	194.2	194.2	194.2	194.2	194.2	194.2
2.5°	197.7	196.8	196.0	196.0	195.1	195.1	195.1	194.2	194.2	194.2	195.1
5°	196.8	196.8	196.0	195.1	195.1	195.1	194.2	194.2	194.2	194.2	195.1
7.5°	196.8	196.0	195.1	195.1	194.2	194.2	194.2	194.2	194.2	194.2	195.1
10°	195.1	195.1	194.2	194.2	193.3	194.2	194.2	194.2	194.2	194.2	196.0
12.5°	194.2	194.2	193.3	192.4	192.4	192.4	193.3	193.3	193.3	194.2	196.0
15°	192.4	192.4	191.6	191.6	191.6	191.6	192.4	192.4	193.3	194.2	196.0
17.5°	190.7	190.7	189.8	189.8	189.8	190.7	190.7	191.6	192.4	194.2	196.0
20°	188.0	188.0	188.0	188.0	188.0	188.9	188.9	189.8	191.6	193.3	196.0
22.5°	185.4	185.4	185.4	185.4	185.4	186.3	187.2	188.9	189.8	192.4	195.1
25°	181.9	181.9	181.9	181.9	182.8	183.6	184.5	186.3	188.0	190.7	194.2
27.5°	178.4	179.3	179.3	179.3	180.1	181.0	181.9	183.6	186.3	189.8	192.4
30°	174.9	174.9	174.9	175.7	176.6	177.5	179.3	181.0	183.6	187.2	190.7
32.5°	170.5	170.5	171.3	171.3	173.1	174.0	175.7	178.4	181.0	184.5	188.0
35°	166.1	166.1	166.1	167.8	168.7	170.5	171.3	174.0	177.5	181.0	184.5
37.5°	160.8	161.7	161.7	162.6	164.3	166.1	167.0	170.5	174.0	177.5	181.0
40°	155.5	156.4	156.4	157.3	159.9	160.8	162.6	166.1	168.7	173.1	176.6
42.5°	150.3	150.3	151.1	152.0	154.7	155.5	157.3	160.8	164.3	167.8	171.3
45°	143.2	144.1	145.0	145.9	148.5	150.3	152.0	154.7	158.2	161.7	165.2
47.5°	137.1	137.1	138.0	139.7	142.3	144.1	145.0	148.5	151.1	154.7	158.2
50°	130.0	130.9	130.9	132.7	135.3	137.1	138.0	141.5	144.1	147.6	151.1
52.5°	122.1	123.0	123.9	125.7	128.3	130.0	130.9	133.6	136.2	139.7	142.3
55°	115.1	116.0	116.0	117.7	120.4	121.3	123.0	124.8	128.3	130.9	134.4
57.5°	107.2	108.1	108.1	109.8	111.6	113.4	114.2	116.9	119.5	122.1	124.8
60°	98.4	99.3	100.2	101.1	102.8	104.6	105.4	107.2	109.8	112.5	115.1
62.5°	89.6	90.5	91.4	92.3	94.0	94.9	95.8	98.4	100.2	102.8	104.6
65°	80.8	81.7	82.6	83.5	84.4	85.2	86.1	87.9	89.6	92.3	93.1
67.5°	72.1	72.9	72.9	73.8	74.7	75.6	76.4	78.2	79.1	81.7	82.6
70°	63.3	63.3	63.3	64.1	64.1	65.0	65.9	67.7	68.5	70.3	72.1
72.5°	52.7	53.6	53.6	53.6	54.5	55.4	56.2	57.1	58.0	58.9	60.6
75°	43.1	43.9	43.1	43.9	44.8	44.8	45.7	46.6	47.4	48.3	49.2
77.5°	34.3	33.4	34.3	34.3	35.1	35.1	35.1	36.0	37.8	37.8	39.5
80°	24.6	24.6	24.6	24.6	25.5	25.5	26.4	26.4	28.1	29.0	29.9
82.5°	15.8	15.8	16.7	16.7	16.7	17.6	17.6	18.5	19.3	20.2	21.1
85°	8.8	8.8	8.8	9.7	9.7	10.5	10.5	11.4	12.3	13.2	14.1
87.5°	2.6	3.5	4.4	4.4	5.3	5.3	6.2	6.2	7.9	8.8	9.7
90°	0.9	0.9	1.8	1.8	1.8	2.6	2.6	3.5	3.5	4.4	5.3
92.5°	14.9	35.1	72.9	109.0	94.0	87.9	52.7	15.8	14.1	14.9	14.9
95°	30.8	58.0	106.3	172.2	223.2	254.8	275.9	316.3	357.6	350.6	261.9
97.5°	44.8	74.7	128.3	188.9	259.2	295.2	322.5	370.8	423.5	467.5	499.1
100°	58.9	89.6	146.7	210.0	275.0	307.5	339.2	405.1	456.9	500.9	543.0
102.5°	73.8	104.6	163.4	229.3	293.5	325.1	355.9	413.9	471.9	524.6	565.9
105°	88.7	120.4	178.4	246.0	310.2	341.8	371.7	427.0	480.6	529.9	577.3
107.5°	104.6	134.4	191.6	259.2	323.4	355.0	384.9	440.2	492.1	541.3	584.3
110°	118.6	147.6	204.7	271.5	335.7	367.3	397.2	452.5	503.5	550.1	592.2



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CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	131.8	159.9	217.0	282.1	345.3	377.0	406.0	461.3	512.3	558.0	600.2
115°	146.7	171.3	229.3	291.7	354.1	384.9	413.9	468.3	519.3	564.1	605.4
117.5°	159.0	182.8	239.9	299.6	361.1	391.0	419.1	473.6	523.7	568.5	608.9
120°	171.3	193.3	249.6	306.7	366.4	395.4	423.5	477.1	527.2	571.2	610.7
122.5°	183.6	203.9	257.5	313.7	370.8	399.8	427.0	479.8	529.0	572.0	610.7
125°	195.1	212.6	264.5	319.0	373.4	401.6	427.9	479.8	528.1	570.3	608.9
127.5°	205.6	222.3	269.8	324.2	375.2	402.4	427.9	478.0	526.3	567.6	605.4
130°	216.2	231.1	275.0	326.9	377.0	401.6	426.2	474.5	521.9	563.2	599.3
132.5°	226.7	240.8	279.4	329.5	377.8	401.6	424.4	471.0	516.7	557.1	591.4
135°	236.4	247.8	283.8	331.3	377.0	399.8	420.9	464.8	508.8	548.3	581.7
137.5°	245.2	254.8	287.3	332.1	376.1	397.2	418.3	457.8	499.1	537.8	570.3
140°	253.1	261.9	289.1	332.1	372.6	393.7	413.0	450.8	488.6	525.5	557.1
142.5°	260.1	268.0	291.7	330.4	369.1	389.3	407.7	443.7	478.0	513.2	543.9
145°	267.1	273.3	293.5	329.5	364.7	383.1	400.7	435.0	468.3	500.0	529.0
147.5°	272.4	278.5	295.2	326.0	359.4	376.1	392.8	425.3	456.0	485.9	512.3
150°	277.7	282.9	296.1	322.5	353.2	368.2	383.1	413.9	443.7	471.0	495.6
152.5°	282.9	286.5	298.8	319.0	346.2	360.3	375.2	402.4	429.7	455.2	478.9
155°	286.5	289.1	299.6	315.5	339.2	351.5	363.8	389.3	413.9	437.6	459.6
157.5°	290.0	292.6	300.5	312.8	331.3	342.7	353.2	375.2	398.1	419.1	439.4
160°	292.6	294.4	300.5	311.1	324.2	332.1	341.8	362.0	381.4	399.8	417.4
162.5°	295.2	296.1	300.5	308.4	318.1	323.4	330.4	346.2	363.8	379.6	395.4
165°	297.0	297.9	300.5	306.7	312.8	317.2	320.7	332.1	345.3	359.4	372.6
167.5°	298.8	298.8	300.5	304.9	308.4	311.1	313.7	319.8	328.6	339.2	348.8
170°	299.6	299.6	300.5	303.2	305.8	306.7	308.4	311.9	316.3	321.6	327.8
172.5°	299.6	299.6	299.6	301.4	302.3	302.3	302.3	304.0	306.7	310.2	312.8
175°	299.6	298.8	298.8	299.6	298.8	298.8	298.8	298.8	299.6	301.4	302.3
177.5°	299.6	298.8	297.9	297.9	297.0	297.0	296.1	296.1	296.1	296.1	296.1
180°	294.4	294.4	294.4	294.4	294.4	294.4	294.4	294.4	294.4	294.4	294.4



TEST NUMBER: P395714

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	194.2	194.2	194.2	194.2	194.2	194.2	194.2	194.2	194.2	194.2
2.5°	195.1	195.1	194.2	193.3	193.3	193.3	192.4	191.6	190.7	190.7
5°	195.1	195.1	194.2	194.2	194.2	194.2	193.3	193.3	192.4	192.4
7.5°	196.0	195.1	195.1	195.1	195.1	195.1	195.1	195.1	194.2	194.2
10°	196.0	196.0	196.0	196.0	196.0	196.0	196.0	196.0	196.0	196.0
12.5°	196.8	196.8	196.8	196.8	197.7	197.7	197.7	197.7	197.7	197.7
15°	196.8	197.7	198.6	198.6	198.6	199.5	199.5	199.5	199.5	199.5
17.5°	197.7	198.6	199.5	199.5	200.3	200.3	201.2	201.2	201.2	201.2
20°	197.7	198.6	199.5	200.3	201.2	201.2	202.1	203.0	203.0	202.1
22.5°	196.8	198.6	199.5	200.3	201.2	202.1	203.0	203.9	203.9	203.9
25°	196.0	197.7	199.5	201.2	201.2	202.1	203.9	203.9	203.9	203.9
27.5°	195.1	196.8	198.6	200.3	201.2	202.1	203.0	203.9	203.9	203.9
30°	193.3	196.0	197.7	199.5	200.3	201.2	202.1	203.0	203.0	203.0
32.5°	190.7	193.3	195.1	197.7	198.6	199.5	200.3	201.2	201.2	201.2
35°	188.0	190.7	192.4	195.1	196.0	196.8	198.6	198.6	199.5	199.5
37.5°	183.6	187.2	188.9	191.6	192.4	193.3	195.1	196.0	196.0	196.0
40°	179.3	182.8	184.5	187.2	188.0	188.9	190.7	191.6	192.4	192.4
42.5°	174.0	177.5	179.3	181.9	182.8	183.6	185.4	186.3	187.2	187.2
45°	168.7	171.3	173.1	175.7	177.5	177.5	179.3	180.1	181.0	181.0
47.5°	161.7	164.3	166.1	168.7	170.5	171.3	172.2	173.1	174.0	174.0
50°	153.8	156.4	159.0	160.8	162.6	162.6	164.3	165.2	166.1	166.1
52.5°	145.9	147.6	150.3	152.9	153.8	154.7	155.5	156.4	157.3	157.3
55°	137.1	138.8	141.5	143.2	144.1	145.0	145.9	146.7	147.6	147.6
57.5°	127.4	129.2	131.8	133.6	134.4	135.3	136.2	137.1	138.0	138.0
60°	116.9	118.6	121.3	123.0	123.9	123.9	125.7	126.5	126.5	126.5
62.5°	106.3	108.1	109.8	111.6	112.5	113.4	114.2	115.1	115.1	115.1
65°	95.8	97.5	99.3	100.2	101.1	101.1	101.9	102.8	103.7	103.7
67.5°	84.4	86.1	87.9	88.7	89.6	89.6	90.5	91.4	91.4	91.4
70°	72.9	73.8	75.6	76.4	77.3	77.3	79.1	79.1	79.1	79.1
72.5°	61.5	62.4	64.1	65.0	65.9	65.9	66.8	67.7	67.7	67.7
75°	51.0	51.8	52.7	54.5	54.5	54.5	55.4	56.2	56.2	56.2
77.5°	40.4	41.3	42.2	43.1	43.9	43.9	44.8	45.7	45.7	45.7
80°	30.8	31.6	32.5	33.4	33.4	34.3	34.3	35.1	35.1	35.1
82.5°	22.0	22.8	23.7	24.6	25.5	25.5	26.4	27.2	27.2	26.4
85°	14.9	16.7	17.6	18.5	18.5	18.5	19.3	20.2	20.2	19.3
87.5°	10.5	10.5	11.4	12.3	12.3	13.2	13.2	14.1	14.1	14.1
90°	6.2	6.2	7.0	7.0	7.9	7.9	7.9	8.8	8.8	8.8
92.5°	14.9	14.9	15.8	15.8	15.8	15.8	16.7	16.7	16.7	16.7
95°	159.9	72.1	60.6	36.9	35.1	30.8	29.9	30.8	30.8	29.9
97.5°	536.9	574.7	598.4	609.8	595.8	580.8	564.1	561.5	538.6	487.7
100°	579.1	608.9	637.9	658.1	666.1	673.1	688.9	698.6	703.0	707.4
102.5°	600.2	631.8	657.3	682.8	693.3	703.0	717.0	728.4	732.8	736.4
105°	618.6	651.1	679.2	702.1	711.7	720.5	734.6	745.1	753.0	753.9
107.5°	623.0	657.3	688.9	717.0	728.4	738.1	754.8	762.7	769.7	769.7
110°	630.9	663.4	692.4	717.9	729.3	740.7	758.3	770.6	777.6	779.4



TEST NUMBER: P395714

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	637.1	670.4	697.7	723.2	732.8	743.4	760.1	771.5	777.6	780.3
115°	642.3	674.8	702.1	725.8	736.4	746.9	763.6	773.3	780.3	782.9
117.5°	645.8	677.5	704.7	726.7	738.1	746.9	762.7	773.3	780.3	781.2
120°	646.7	678.4	704.7	726.7	736.4	746.0	761.8	772.4	779.4	779.4
122.5°	646.7	677.5	703.8	724.9	733.7	742.5	757.4	769.7	775.9	775.9
125°	643.2	674.0	699.4	720.5	729.3	737.2	753.0	764.5	770.6	771.5
127.5°	637.9	667.8	693.3	714.4	723.2	730.2	746.9	757.4	763.6	764.5
130°	630.9	660.8	685.4	705.6	714.4	722.3	736.4	747.8	754.8	756.6
132.5°	623.0	651.1	675.7	695.1	703.8	710.9	724.9	736.4	742.5	745.1
135°	613.3	639.7	663.4	682.8	691.5	698.6	711.7	723.2	729.3	732.0
137.5°	601.0	626.5	649.4	668.7	676.6	683.6	696.8	707.4	712.6	716.1
140°	587.0	610.7	634.4	652.0	659.9	666.9	678.4	689.8	695.1	697.7
142.5°	572.0	595.8	616.8	634.4	641.5	648.5	659.9	670.4	675.7	676.6
145°	556.2	579.1	598.4	615.1	621.2	628.3	638.8	649.4	654.6	655.5
147.5°	538.6	559.7	578.2	594.0	601.0	606.3	616.0	625.6	630.9	631.8
150°	518.4	537.8	554.5	570.3	576.4	581.7	592.2	601.0	606.3	607.2
152.5°	499.1	517.6	531.6	545.7	551.8	557.1	565.9	574.7	579.9	580.8
155°	478.9	495.6	509.6	521.1	526.3	531.6	538.6	546.6	550.9	551.8
157.5°	457.8	473.6	485.9	496.5	501.7	506.1	512.3	519.3	521.9	523.7
160°	435.0	448.1	458.7	469.2	473.6	478.0	484.2	489.4	493.0	493.8
162.5°	410.4	421.8	430.6	440.2	442.9	446.4	452.5	457.8	460.4	461.3
165°	384.9	395.4	403.3	411.2	413.0	415.6	420.0	425.3	427.0	428.8
167.5°	359.4	368.2	373.4	380.5	383.1	384.9	389.3	392.8	394.5	395.4
170°	334.8	340.9	345.3	350.6	351.5	354.1	356.8	360.3	361.1	361.1
172.5°	315.5	318.1	320.7	322.5	323.4	324.2	326.0	326.9	326.9	326.9
175°	303.2	304.9	304.9	305.8	305.8	305.8	305.8	305.8	305.8	305.8
177.5°	296.1	296.1	296.1	295.2	295.2	295.2	295.2	294.4	294.4	294.4
180°	294.4	294.4	294.4	294.4	294.4	294.4	294.4	294.4	294.4	294.4

(END OF REPORT)