

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: P395698

Luminaire Tested: **I3-UL-40L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395698
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-40L82765-1D-UNV-W2A-W-4 (2700K)
Description: CORELITE I3, OPEN TOP
4000 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: 3706.8 lumens
Efficiency: N/A
Efficacy: 132.9 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

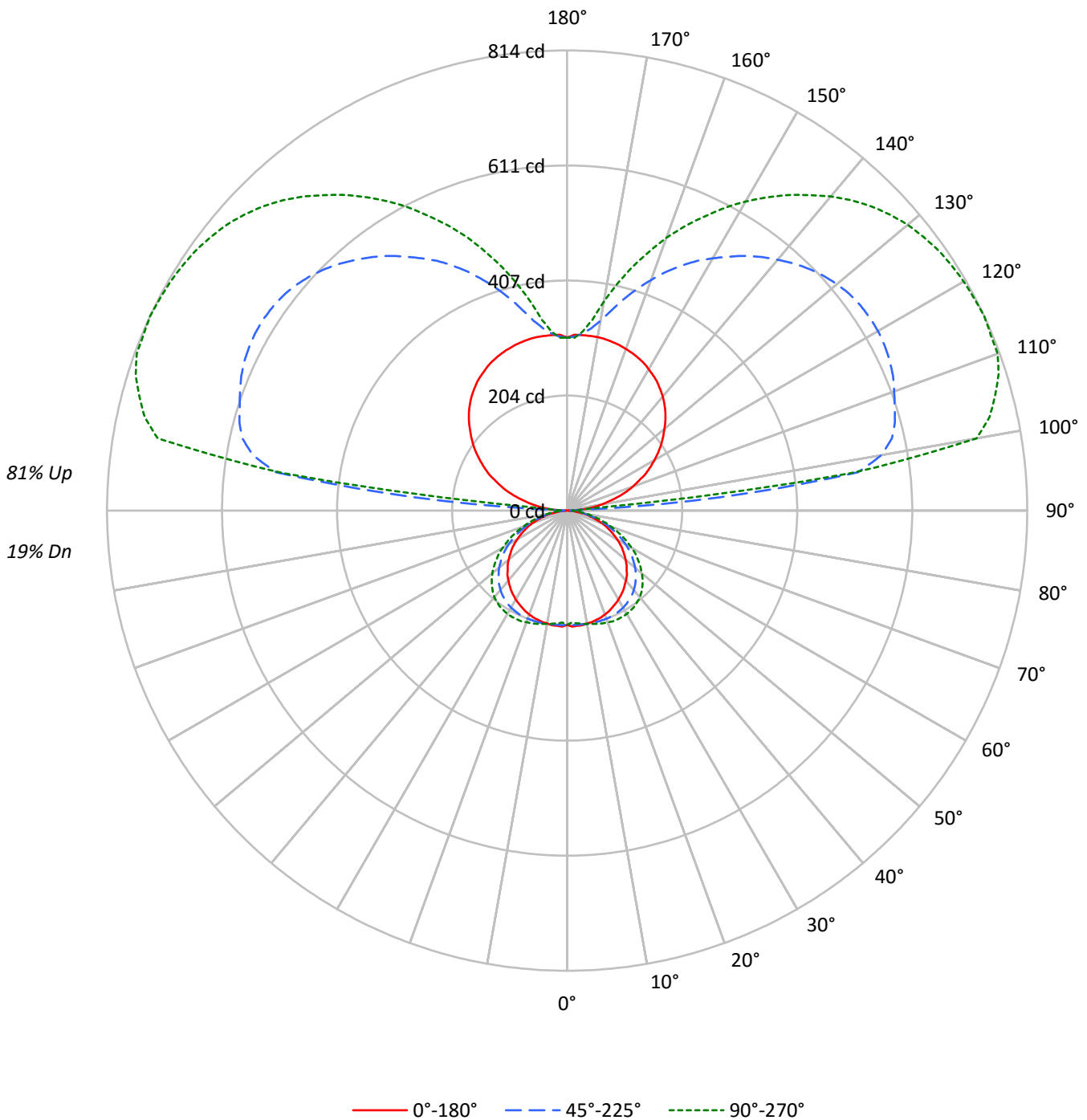
Input Watts (W): 27.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-UL-40L82765-1D-UNV-W2A-W-4 (2700K)

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°	1110	1110	1110
5°	1125	1094	1073
10°	1123	1086	1074
15°	1126	1082	1083
20°	1126	1086	1096
25°	1125	1089	1112
30°	1126	1091	1123
35°	1125	1085	1128
40°	1120	1077	1122
45°	1110	1054	1097
50°	1100	1020	1057
55°	1081	971	997
60°	1047	901	916
65°	1001	802	818
70°	947	696	690
75°	821	546	554
80°	653	393	400
85°	386	228	264



TEST NUMBER: P395698

CATALOG NUMBER: I3-UL-40L82765-1D-UNV-W2A-W-4 (2700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.3	0.5
10°-20°	57.6	1.6
20°-30°	92.7	2.5
30°-40°	119.3	3.2
40°-50°	131.0	3.5
50°-60°	123.1	3.3
60°-70°	95.6	2.6
70°-80°	54.9	1.5
80°-90°	17.6	0.5
90°-100°	237.0	6.4
100°-110°	563.1	15.2
110°-120°	565.7	15.3
120°-130°	518.7	14.0
130°-140°	433.8	11.7
140°-150°	325.6	8.8
150°-160°	211.9	5.7
160°-170°	109.1	2.9
170°-180°	30.9	0.8
0°-30°	169.6	4.6
0°-40°	288.8	7.8
0°-60°	542.9	14.6
0°-90°	711.0	19.2
90°-120°	1365.7	36.8
90°-150°	2643.8	71.3
90°-180°	2996.0	80.8
0°-180°	3706.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	202	202	202	202	202	
5°	205	203	203	202	200	19
15°	200	199	204	206	207	57
25°	189	191	202	209	212	87
35°	173	177	192	204	207	108
45°	149	156	172	184	188	115
55°	120	126	140	150	154	107
65°	84	89	97	105	108	83
75°	45	47	51	57	58	48
85°	9	11	15	19	20	11
90°	1	3	6	8	9	3
95°	32	265	272	36	31	32
105°	92	355	600	740	784	98
115°	153	400	629	766	814	150
125°	203	418	633	758	802	181
135°	246	416	605	719	761	189
145°	278	398	550	646	682	174
155°	298	365	478	547	574	137
165°	309	330	387	429	446	87
175°	312	311	314	318	318	30
180°	306	306	306	306	306	



TEST NUMBER: P395698

CATALOG NUMBER: I3-UL-40L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	201.9	201.9	201.9	201.9	201.9	201.9	201.9	201.9	201.9	201.9	201.9
2.5°	205.5	204.6	203.7	203.7	202.8	202.8	202.8	201.9	201.9	201.9	202.8
5°	204.6	204.6	203.7	202.8	202.8	202.8	201.9	201.9	201.9	201.9	202.8
7.5°	204.6	203.7	202.8	202.8	201.9	201.9	201.9	201.9	201.9	201.9	202.8
10°	202.8	202.8	201.9	201.9	201.0	201.9	201.9	201.9	201.9	201.9	203.7
12.5°	201.9	201.9	201.0	200.1	200.1	200.1	201.0	201.0	201.0	201.9	203.7
15°	200.1	200.1	199.1	199.1	199.1	199.1	200.1	200.1	201.0	201.9	203.7
17.5°	198.2	198.2	197.3	197.3	197.3	198.2	198.2	199.1	200.1	201.9	203.7
20°	195.5	195.5	195.5	195.5	195.5	196.4	196.4	197.3	199.1	201.0	203.7
22.5°	192.8	192.8	192.8	192.8	192.8	193.7	194.6	196.4	197.3	200.1	202.8
25°	189.1	189.1	189.1	189.1	190.0	190.9	191.8	193.7	195.5	198.2	201.9
27.5°	185.4	186.4	186.4	186.4	187.3	188.2	189.1	190.9	193.7	197.3	200.1
30°	181.8	181.8	181.8	182.7	183.6	184.5	186.4	188.2	190.9	194.6	198.2
32.5°	177.2	177.2	178.1	178.1	180.0	180.9	182.7	185.4	188.2	191.8	195.5
35°	172.7	172.7	172.7	174.5	175.4	177.2	178.1	180.9	184.5	188.2	191.8
37.5°	167.2	168.1	168.1	169.0	170.8	172.7	173.6	177.2	180.9	184.5	188.2
40°	161.7	162.6	162.6	163.5	166.3	167.2	169.0	172.7	175.4	180.0	183.6
42.5°	156.2	156.2	157.1	158.0	160.8	161.7	163.5	167.2	170.8	174.5	178.1
45°	148.9	149.8	150.7	151.6	154.4	156.2	158.0	160.8	164.4	168.1	171.7
47.5°	142.5	142.5	143.4	145.3	148.0	149.8	150.7	154.4	157.1	160.8	164.4
50°	135.2	136.1	136.1	137.9	140.7	142.5	143.4	147.1	149.8	153.5	157.1
52.5°	127.0	127.9	128.8	130.6	133.4	135.2	136.1	138.9	141.6	145.3	148.0
55°	119.7	120.6	120.6	122.4	125.2	126.1	127.9	129.7	133.4	136.1	139.8
57.5°	111.5	112.4	112.4	114.2	116.0	117.8	118.8	121.5	124.2	127.0	129.7
60°	102.3	103.2	104.1	105.1	106.9	108.7	109.6	111.5	114.2	116.9	119.7
62.5°	93.2	94.1	95.0	95.9	97.7	98.7	99.6	102.3	104.1	106.9	108.7
65°	84.0	85.0	85.9	86.8	87.7	88.6	89.5	91.4	93.2	95.9	96.8
67.5°	74.9	75.8	75.8	76.7	77.7	78.6	79.5	81.3	82.2	85.0	85.9
70°	65.8	65.8	65.8	66.7	66.7	67.6	68.5	70.3	71.3	73.1	74.9
72.5°	54.8	55.7	55.7	55.7	56.6	57.6	58.5	59.4	60.3	61.2	63.0
75°	44.8	45.7	44.8	45.7	46.6	46.6	47.5	48.4	49.3	50.2	51.2
77.5°	35.6	34.7	35.6	35.6	36.5	36.5	36.5	37.5	39.3	39.3	41.1
80°	25.6	25.6	25.6	25.6	26.5	26.5	27.4	27.4	29.2	30.1	31.1
82.5°	16.4	16.4	17.4	17.4	17.4	18.3	18.3	19.2	20.1	21.0	21.9
85°	9.1	9.1	9.1	10.0	10.0	11.0	11.0	11.9	12.8	13.7	14.6
87.5°	2.7	3.7	4.6	4.6	5.5	5.5	6.4	6.4	8.2	9.1	10.0
90°	0.9	0.9	1.8	1.8	1.8	2.7	2.7	3.7	3.7	4.6	5.5
92.5°	15.5	36.5	75.8	113.3	97.7	91.4	54.8	16.4	14.6	15.5	15.5
95°	32.0	60.3	110.5	179.1	232.0	264.9	286.8	328.9	371.8	364.5	272.2
97.5°	46.6	77.7	133.4	196.4	269.5	306.9	335.3	385.5	440.3	486.0	518.9
100°	61.2	93.2	152.6	218.3	285.9	319.7	352.6	421.1	475.0	520.7	564.6
102.5°	76.7	108.7	169.9	238.4	305.1	338.0	370.0	430.3	490.6	545.4	588.3
105°	92.3	125.2	185.4	255.8	322.5	355.4	386.4	444.0	499.7	550.9	600.2
107.5°	108.7	139.8	199.1	269.5	336.2	369.1	400.1	457.7	511.6	562.7	607.5
110°	123.3	153.5	212.9	282.3	349.0	381.9	412.9	470.5	523.5	571.9	615.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	137.0	166.3	225.6	293.2	359.0	391.9	422.1	479.6	532.6	580.1	623.9
115°	152.6	178.1	238.4	303.3	368.2	400.1	430.3	486.9	539.9	586.5	629.4
117.5°	165.3	190.0	249.4	311.5	375.5	406.5	435.8	492.4	544.5	591.1	633.1
120°	178.1	201.0	259.4	318.8	380.9	411.1	440.3	496.0	548.1	593.8	634.9
122.5°	190.9	211.9	267.7	326.1	385.5	415.7	444.0	498.8	549.9	594.7	634.9
125°	202.8	221.1	275.0	331.6	388.3	417.5	444.9	498.8	549.0	592.9	633.1
127.5°	213.8	231.1	280.5	337.1	390.1	418.4	444.9	497.0	547.2	590.1	629.4
130°	224.7	240.3	285.9	339.8	391.9	417.5	443.1	493.3	542.6	585.6	623.0
132.5°	235.7	250.3	290.5	342.6	392.8	417.5	441.2	489.7	537.2	579.2	614.8
135°	245.7	257.6	295.1	344.4	391.9	415.7	437.6	483.3	528.9	570.0	604.8
137.5°	254.9	264.9	298.7	345.3	391.0	412.9	434.8	475.9	518.9	559.1	592.9
140°	263.1	272.2	300.6	345.3	387.3	409.3	429.4	468.6	507.9	546.3	579.2
142.5°	270.4	278.6	303.3	343.5	383.7	404.7	423.9	461.3	497.0	533.5	565.5
145°	277.7	284.1	305.1	342.6	379.1	398.3	416.6	452.2	486.9	519.8	549.9
147.5°	283.2	289.6	306.9	338.9	373.6	391.0	408.3	442.1	474.1	505.2	532.6
150°	288.7	294.2	307.9	335.3	367.2	382.8	398.3	430.3	461.3	489.7	515.2
152.5°	294.2	297.8	310.6	331.6	359.9	374.5	390.1	418.4	446.7	473.2	497.9
155°	297.8	300.6	311.5	328.0	352.6	365.4	378.2	404.7	430.3	454.9	477.8
157.5°	301.5	304.2	312.4	325.2	344.4	356.3	367.2	390.1	413.8	435.8	456.8
160°	304.2	306.0	312.4	323.4	337.1	345.3	355.4	376.4	396.5	415.7	433.9
162.5°	306.9	307.9	312.4	320.6	330.7	336.2	343.5	359.9	378.2	394.6	411.1
165°	308.8	309.7	312.4	318.8	325.2	329.8	333.4	345.3	359.0	373.6	387.3
167.5°	310.6	310.6	312.4	317.0	320.6	323.4	326.1	332.5	341.7	352.6	362.7
170°	311.5	311.5	312.4	315.2	317.9	318.8	320.6	324.3	328.9	334.4	340.7
172.5°	311.5	311.5	311.5	313.3	314.3	314.3	314.3	316.1	318.8	322.5	325.2
175°	311.5	310.6	310.6	311.5	310.6	310.6	310.6	310.6	311.5	313.3	314.3
177.5°	311.5	310.6	309.7	309.7	308.8	308.8	307.9	307.9	307.9	307.9	307.9
180°	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0



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CATALOG NUMBER: I3-UL-40L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	201.9	201.9	201.9	201.9	201.9	201.9	201.9	201.9	201.9	201.9
2.5°	202.8	202.8	201.9	201.0	201.0	201.0	200.1	199.1	198.2	198.2
5°	202.8	202.8	201.9	201.9	201.9	201.9	201.0	201.0	200.1	200.1
7.5°	203.7	202.8	202.8	202.8	202.8	202.8	202.8	202.8	201.9	201.9
10°	203.7	203.7	203.7	203.7	203.7	203.7	203.7	203.7	203.7	203.7
12.5°	204.6	204.6	204.6	204.6	205.5	205.5	205.5	205.5	205.5	205.5
15°	204.6	205.5	206.5	206.5	206.5	207.4	207.4	207.4	207.4	207.4
17.5°	205.5	206.5	207.4	207.4	208.3	208.3	209.2	209.2	209.2	209.2
20°	205.5	206.5	207.4	208.3	209.2	209.2	210.1	211.0	211.0	210.1
22.5°	204.6	206.5	207.4	208.3	209.2	210.1	211.0	211.9	211.9	211.9
25°	203.7	205.5	207.4	209.2	209.2	210.1	211.9	211.9	211.9	211.9
27.5°	202.8	204.6	206.5	208.3	209.2	210.1	211.0	211.9	211.9	211.9
30°	201.0	203.7	205.5	207.4	208.3	209.2	210.1	211.0	211.0	211.0
32.5°	198.2	201.0	202.8	205.5	206.5	207.4	208.3	209.2	209.2	209.2
35°	195.5	198.2	200.1	202.8	203.7	204.6	206.5	206.5	207.4	207.4
37.5°	190.9	194.6	196.4	199.1	200.1	201.0	202.8	203.7	203.7	203.7
40°	186.4	190.0	191.8	194.6	195.5	196.4	198.2	199.1	200.1	200.1
42.5°	180.9	184.5	186.4	189.1	190.0	190.9	192.8	193.7	194.6	194.6
45°	175.4	178.1	180.0	182.7	184.5	184.5	186.4	187.3	188.2	188.2
47.5°	168.1	170.8	172.7	175.4	177.2	178.1	179.1	180.0	180.9	180.9
50°	159.9	162.6	165.3	167.2	169.0	169.0	170.8	171.7	172.7	172.7
52.5°	151.6	153.5	156.2	159.0	159.9	160.8	161.7	162.6	163.5	163.5
55°	142.5	144.3	147.1	148.9	149.8	150.7	151.6	152.6	153.5	153.5
57.5°	132.5	134.3	137.0	138.9	139.8	140.7	141.6	142.5	143.4	143.4
60°	121.5	123.3	126.1	127.9	128.8	128.8	130.6	131.5	131.5	131.5
62.5°	110.5	112.4	114.2	116.0	116.9	117.8	118.8	119.7	119.7	119.7
65°	99.6	101.4	103.2	104.1	105.1	105.1	106.0	106.9	107.8	107.8
67.5°	87.7	89.5	91.4	92.3	93.2	93.2	94.1	95.0	95.0	95.0
70°	75.8	76.7	78.6	79.5	80.4	80.4	82.2	82.2	82.2	82.2
72.5°	63.9	64.9	66.7	67.6	68.5	68.5	69.4	70.3	70.3	70.3
75°	53.0	53.9	54.8	56.6	56.6	56.6	57.6	58.5	58.5	58.5
77.5°	42.0	42.9	43.8	44.8	45.7	45.7	46.6	47.5	47.5	47.5
80°	32.0	32.9	33.8	34.7	34.7	35.6	35.6	36.5	36.5	36.5
82.5°	22.8	23.8	24.7	25.6	26.5	26.5	27.4	28.3	28.3	27.4
85°	15.5	17.4	18.3	19.2	19.2	19.2	20.1	21.0	21.0	20.1
87.5°	11.0	11.0	11.9	12.8	12.8	13.7	13.7	14.6	14.6	14.6
90°	6.4	6.4	7.3	7.3	8.2	8.2	8.2	9.1	9.1	9.1
92.5°	15.5	15.5	16.4	16.4	16.4	16.4	17.4	17.4	17.4	17.4
95°	166.3	74.9	63.0	38.4	36.5	32.0	31.1	32.0	32.0	31.1
97.5°	558.2	597.4	622.1	634.0	619.4	603.8	586.5	583.7	560.0	507.0
100°	602.0	633.1	663.2	684.2	692.5	699.8	716.2	726.3	730.8	735.4
102.5°	623.9	656.8	683.3	709.8	720.8	730.8	745.4	757.3	761.9	765.5
105°	643.1	676.9	706.2	729.9	740.0	749.1	763.7	774.7	782.9	783.8
107.5°	647.7	683.3	716.2	745.4	757.3	767.4	784.7	792.9	800.3	800.3
110°	655.9	689.7	719.9	746.4	758.2	770.1	788.4	801.2	808.5	810.3



TEST NUMBER: P395698

CATALOG NUMBER: I3-UL-40L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	662.3	697.0	725.3	751.8	761.9	772.8	790.2	802.1	808.5	811.2
115°	667.8	701.6	729.9	754.6	765.5	776.5	793.9	803.9	811.2	814.0
117.5°	671.4	704.3	732.7	755.5	767.4	776.5	792.9	803.9	811.2	812.1
120°	672.4	705.2	732.7	755.5	765.5	775.6	792.0	803.0	810.3	810.3
122.5°	672.4	704.3	731.7	753.7	762.8	771.9	787.5	800.3	806.6	806.6
125°	668.7	700.7	727.2	749.1	758.2	766.5	782.9	794.8	801.2	802.1
127.5°	663.2	694.3	720.8	742.7	751.8	759.1	776.5	787.5	793.9	794.8
130°	655.9	687.0	712.6	733.6	742.7	750.9	765.5	777.4	784.7	786.5
132.5°	647.7	676.9	702.5	722.6	731.7	739.0	753.7	765.5	771.9	774.7
135°	637.6	665.0	689.7	709.8	718.9	726.3	740.0	751.8	758.2	761.0
137.5°	624.9	651.3	675.1	695.2	703.4	710.7	724.4	735.4	740.9	744.5
140°	610.2	634.9	659.6	677.8	686.1	693.4	705.2	717.1	722.6	725.3
142.5°	594.7	619.4	641.3	659.6	666.9	674.2	686.1	697.0	702.5	703.4
145°	578.3	602.0	622.1	639.5	645.9	653.2	664.1	675.1	680.6	681.5
147.5°	560.0	581.9	601.1	617.5	624.9	630.3	640.4	650.4	655.9	656.8
150°	539.0	559.1	576.4	592.9	599.3	604.8	615.7	624.9	630.3	631.2
152.5°	518.9	538.1	552.7	567.3	573.7	579.2	588.3	597.4	602.9	603.8
155°	497.9	515.2	529.8	541.7	547.2	552.7	560.0	568.2	572.8	573.7
157.5°	475.9	492.4	505.2	516.1	521.6	526.2	532.6	539.9	542.6	544.5
160°	452.2	465.9	476.9	487.8	492.4	497.0	503.4	508.8	512.5	513.4
162.5°	426.6	438.5	447.6	457.7	460.4	464.1	470.5	475.9	478.7	479.6
165°	400.1	411.1	419.3	427.5	429.4	432.1	436.7	442.1	444.0	445.8
167.5°	373.6	382.8	388.3	395.6	398.3	400.1	404.7	408.3	410.2	411.1
170°	348.1	354.4	359.0	364.5	365.4	368.2	370.9	374.5	375.5	375.5
172.5°	328.0	330.7	333.4	335.3	336.2	337.1	338.9	339.8	339.8	339.8
175°	315.2	317.0	317.0	317.9	317.9	317.9	317.9	317.9	317.9	317.9
177.5°	307.9	307.9	307.9	306.9	306.9	306.9	306.9	306.0	306.0	306.0
180°	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0

(END OF REPORT)