

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: P395726

Luminaire Tested: **I3-UL-50L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395726
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-50L82765-1D-UNV-W2A-W-4 (3500K)
Description: CORELITE I3, OPEN TOP
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4925.7 lumens
Efficiency: N/A
Efficacy: 138.0 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

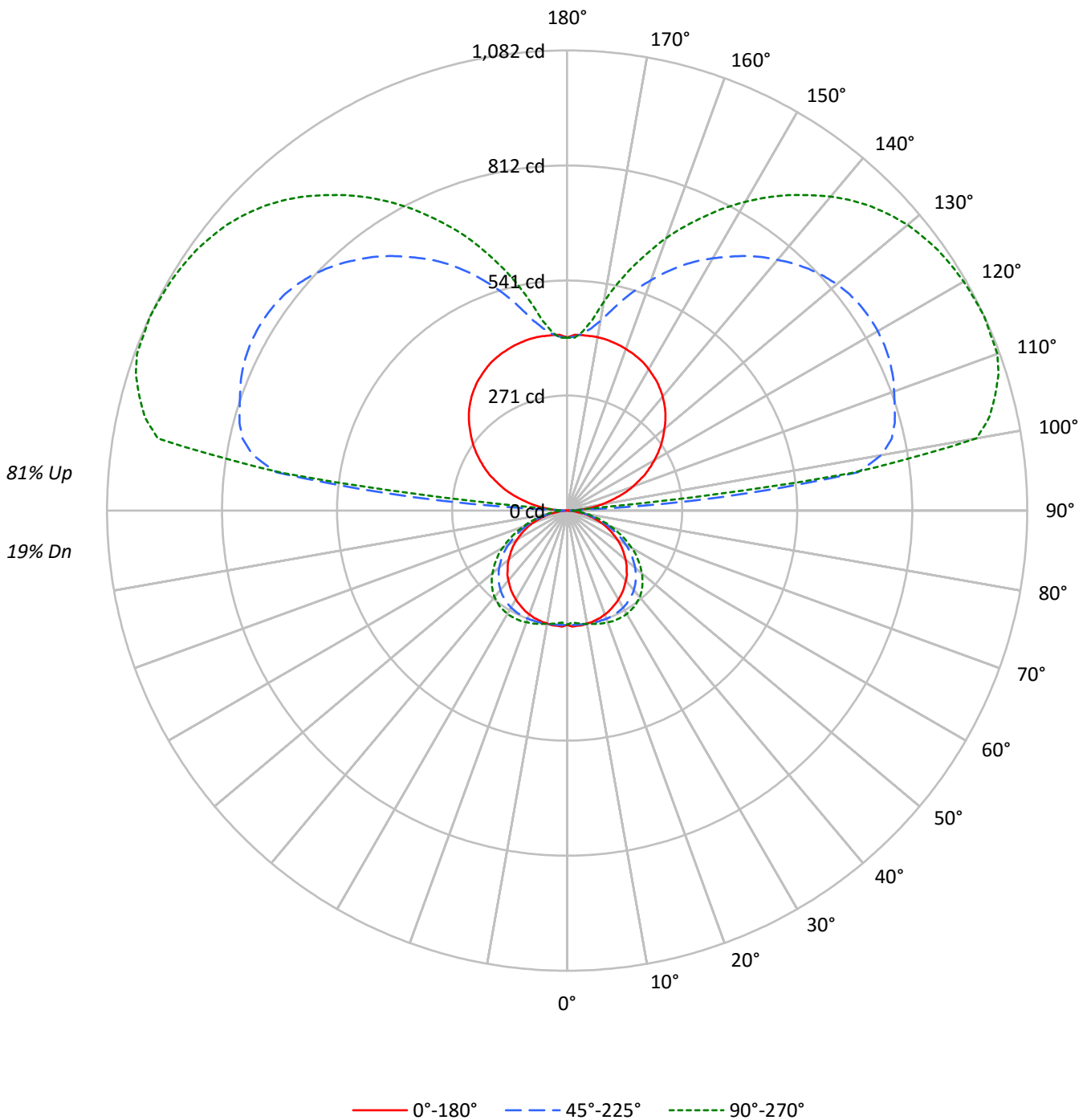
Input Watts (W): 35.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (3500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395726

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (3500K)

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°	1475	1475	1475
5°	1495	1453	1425
10°	1493	1443	1427
15°	1495	1438	1440
20°	1496	1444	1456
25°	1494	1448	1478
30°	1497	1449	1492
35°	1495	1442	1499
40°	1489	1431	1490
45°	1476	1401	1458
50°	1462	1356	1404
55°	1436	1290	1324
60°	1392	1197	1218
65°	1331	1066	1086
70°	1258	924	917
75°	1090	725	735
80°	867	521	532
85°	513	303	350



TEST NUMBER: P395726

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	0.5
10°-20°	76.5	1.6
20°-30°	123.1	2.5
30°-40°	158.5	3.2
40°-50°	174.1	3.5
50°-60°	163.6	3.3
60°-70°	127.1	2.6
70°-80°	72.9	1.5
80°-90°	23.4	0.5
90°-100°	314.9	6.4
100°-110°	748.3	15.2
110°-120°	751.6	15.3
120°-130°	689.3	14.0
130°-140°	576.4	11.7
140°-150°	432.6	8.8
150°-160°	281.6	5.7
160°-170°	145.0	2.9
170°-180°	41.0	0.8
0°-30°	225.4	4.6
0°-40°	383.8	7.8
0°-60°	721.5	14.6
0°-90°	944.8	19.2
90°-120°	1814.8	36.8
90°-150°	3513.1	71.3
90°-180°	3981.0	80.8
0°-180°	4925.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	268	268	268	268	268	
5°	272	270	270	268	266	26
15°	266	265	271	274	276	75
25°	251	254	268	278	282	116
35°	229	236	255	271	276	143
45°	198	208	228	245	250	153
55°	159	168	186	199	204	142
65°	112	118	129	140	143	111
75°	60	62	68	75	78	63
85°	12	15	19	26	27	14
90°	1	4	7	11	12	4
95°	42	352	362	49	41	42
105°	123	472	798	983	1042	130
115°	203	532	836	1017	1082	199
125°	270	555	841	1008	1066	241
135°	326	552	804	955	1011	252
145°	369	529	731	858	906	231
155°	396	486	635	727	762	183
165°	410	438	515	570	592	116
175°	414	413	418	422	422	39
180°	407	407	407	407	407	



TEST NUMBER: P395726

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3
2.5°	273.1	271.9	270.7	270.7	269.5	269.5	269.5	268.3	268.3	268.3	269.5
5°	271.9	271.9	270.7	269.5	269.5	269.5	268.3	268.3	268.3	268.3	269.5
7.5°	271.9	270.7	269.5	269.5	268.3	268.3	268.3	268.3	268.3	268.3	269.5
10°	269.5	269.5	268.3	268.3	267.1	268.3	268.3	268.3	268.3	268.3	270.7
12.5°	268.3	268.3	267.1	265.8	265.8	265.8	267.1	267.1	267.1	268.3	270.7
15°	265.8	265.8	264.6	264.6	264.6	264.6	265.8	265.8	267.1	268.3	270.7
17.5°	263.4	263.4	262.2	262.2	262.2	263.4	263.4	264.6	265.8	268.3	270.7
20°	259.8	259.8	259.8	259.8	259.8	261.0	261.0	262.2	264.6	267.1	270.7
22.5°	256.1	256.1	256.1	256.1	256.1	257.4	258.6	261.0	262.2	265.8	269.5
25°	251.3	251.3	251.3	251.3	252.5	253.7	254.9	257.4	259.8	263.4	268.3
27.5°	246.4	247.6	247.6	247.6	248.9	250.1	251.3	253.7	257.4	262.2	265.8
30°	241.6	241.6	241.6	242.8	244.0	245.2	247.6	250.1	253.7	258.6	263.4
32.5°	235.5	235.5	236.7	236.7	239.1	240.4	242.8	246.4	250.1	254.9	259.8
35°	229.4	229.4	229.4	231.9	233.1	235.5	236.7	240.4	245.2	250.1	254.9
37.5°	222.1	223.4	223.4	224.6	227.0	229.4	230.6	235.5	240.4	245.2	250.1
40°	214.9	216.1	216.1	217.3	220.9	222.1	224.6	229.4	233.1	239.1	244.0
42.5°	207.6	207.6	208.8	210.0	213.7	214.9	217.3	222.1	227.0	231.9	236.7
45°	197.9	199.1	200.3	201.5	205.2	207.6	210.0	213.7	218.5	223.4	228.2
47.5°	189.4	189.4	190.6	193.0	196.7	199.1	200.3	205.2	208.8	213.7	218.5
50°	179.7	180.9	180.9	183.3	186.9	189.4	190.6	195.4	199.1	203.9	208.8
52.5°	168.7	169.9	171.2	173.6	177.2	179.7	180.9	184.5	188.2	193.0	196.7
55°	159.0	160.2	160.2	162.7	166.3	167.5	169.9	172.4	177.2	180.9	185.7
57.5°	148.1	149.3	149.3	151.7	154.2	156.6	157.8	161.5	165.1	168.7	172.4
60°	136.0	137.2	138.4	139.6	142.0	144.5	145.7	148.1	151.7	155.4	159.0
62.5°	123.8	125.0	126.2	127.5	129.9	131.1	132.3	136.0	138.4	142.0	144.5
65°	111.7	112.9	114.1	115.3	116.5	117.8	119.0	121.4	123.8	127.5	128.7
67.5°	99.5	100.8	100.8	102.0	103.2	104.4	105.6	108.0	109.3	112.9	114.1
70°	87.4	87.4	87.4	88.6	88.6	89.8	91.0	93.5	94.7	97.1	99.5
72.5°	72.8	74.0	74.0	74.0	75.3	76.5	77.7	78.9	80.1	81.3	83.8
75°	59.5	60.7	59.5	60.7	61.9	61.9	63.1	64.3	65.6	66.8	68.0
77.5°	47.3	46.1	47.3	47.3	48.6	48.6	48.6	49.8	52.2	52.2	54.6
80°	34.0	34.0	34.0	34.0	35.2	35.2	36.4	36.4	38.8	40.1	41.3
82.5°	21.9	21.9	23.1	23.1	23.1	24.3	24.3	25.5	26.7	27.9	29.1
85°	12.1	12.1	12.1	13.4	13.4	14.6	14.6	15.8	17.0	18.2	19.4
87.5°	3.6	4.9	6.1	6.1	7.3	7.3	8.5	8.5	10.9	12.1	13.4
90°	1.2	1.2	2.4	2.4	2.4	3.6	3.6	4.9	4.9	6.1	7.3
92.5°	20.6	48.6	100.8	150.5	129.9	121.4	72.8	21.9	19.4	20.6	20.6
95°	42.5	80.1	146.9	237.9	308.3	352.0	381.2	437.0	494.1	484.4	361.7
97.5°	61.9	103.2	177.2	261.0	358.1	407.9	445.5	512.3	585.1	645.8	689.5
100°	81.3	123.8	202.7	290.1	380.0	424.9	468.6	559.6	631.2	691.9	750.2
102.5°	102.0	144.5	225.8	316.8	405.4	449.2	491.6	571.8	651.9	724.7	781.8
105°	122.6	166.3	246.4	339.9	428.5	472.2	513.5	590.0	664.0	732.0	797.5
107.5°	144.5	185.7	264.6	358.1	446.7	490.4	531.7	608.2	679.8	747.8	807.3
110°	163.9	203.9	282.8	375.1	463.7	507.4	548.7	625.2	695.6	759.9	818.2



TEST NUMBER: P395726

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	182.1	220.9	299.8	389.7	477.1	520.8	560.8	637.3	707.7	770.8	829.1
115°	202.7	236.7	316.8	403.0	489.2	531.7	571.8	647.0	717.4	779.3	836.4
117.5°	219.7	252.5	331.4	413.9	498.9	540.2	579.0	654.3	723.5	785.4	841.2
120°	236.7	267.1	344.8	423.7	506.2	546.3	585.1	659.2	728.4	789.0	843.7
122.5°	253.7	281.6	355.7	433.4	512.3	552.3	590.0	662.8	730.8	790.3	843.7
125°	269.5	293.8	365.4	440.7	515.9	554.8	591.2	662.8	729.6	787.8	841.2
127.5°	284.1	307.1	372.7	447.9	518.3	556.0	591.2	660.4	727.1	784.2	836.4
130°	298.6	319.3	380.0	451.6	520.8	554.8	588.8	655.5	721.1	778.1	827.9
132.5°	313.2	332.6	386.0	455.2	522.0	554.8	586.3	650.7	713.8	769.6	817.0
135°	326.5	342.3	392.1	457.6	520.8	552.3	581.5	642.2	702.9	757.5	803.6
137.5°	338.7	352.0	397.0	458.9	519.6	548.7	577.8	632.5	689.5	742.9	787.8
140°	349.6	361.7	399.4	458.9	514.7	543.8	570.5	622.7	674.9	725.9	769.6
142.5°	359.3	370.2	403.0	456.4	509.8	537.8	563.3	613.0	660.4	708.9	751.4
145°	369.0	377.5	405.4	455.2	503.8	529.3	553.5	600.9	647.0	690.7	730.8
147.5°	376.3	384.8	407.9	450.4	496.5	519.6	542.6	587.5	630.0	671.3	707.7
150°	383.6	390.9	409.1	445.5	488.0	508.6	529.3	571.8	613.0	650.7	684.7
152.5°	390.9	395.7	412.7	440.7	478.3	497.7	518.3	556.0	593.6	628.8	661.6
155°	395.7	399.4	413.9	435.8	468.6	485.6	502.6	537.8	571.8	604.5	634.9
157.5°	400.6	404.2	415.2	432.2	457.6	473.4	488.0	518.3	549.9	579.0	607.0
160°	404.2	406.7	415.2	429.7	447.9	458.9	472.2	500.1	526.8	552.3	576.6
162.5°	407.9	409.1	415.2	426.1	439.4	446.7	456.4	478.3	502.6	524.4	546.3
165°	410.3	411.5	415.2	423.7	432.2	438.2	443.1	458.9	477.1	496.5	514.7
167.5°	412.7	412.7	415.2	421.2	426.1	429.7	433.4	441.9	454.0	468.6	481.9
170°	413.9	413.9	415.2	418.8	422.4	423.7	426.1	430.9	437.0	444.3	452.8
172.5°	413.9	413.9	413.9	416.4	417.6	417.6	417.6	420.0	423.7	428.5	432.2
175°	413.9	412.7	412.7	413.9	412.7	412.7	412.7	412.7	413.9	416.4	417.6
177.5°	413.9	412.7	411.5	411.5	410.3	410.3	409.1	409.1	409.1	409.1	409.1
180°	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7



TEST NUMBER: P395726

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3	268.3
2.5°	269.5	269.5	268.3	267.1	267.1	267.1	265.8	264.6	263.4	263.4
5°	269.5	269.5	268.3	268.3	268.3	268.3	267.1	267.1	265.8	265.8
7.5°	270.7	269.5	269.5	269.5	269.5	269.5	269.5	269.5	268.3	268.3
10°	270.7	270.7	270.7	270.7	270.7	270.7	270.7	270.7	270.7	270.7
12.5°	271.9	271.9	271.9	271.9	273.1	273.1	273.1	273.1	273.1	273.1
15°	271.9	273.1	274.3	274.3	274.3	275.6	275.6	275.6	275.6	275.6
17.5°	273.1	274.3	275.6	275.6	276.8	276.8	278.0	278.0	278.0	278.0
20°	273.1	274.3	275.6	276.8	278.0	278.0	279.2	280.4	280.4	279.2
22.5°	271.9	274.3	275.6	276.8	278.0	279.2	280.4	281.6	281.6	281.6
25°	270.7	273.1	275.6	278.0	278.0	279.2	281.6	281.6	281.6	281.6
27.5°	269.5	271.9	274.3	276.8	278.0	279.2	280.4	281.6	281.6	281.6
30°	267.1	270.7	273.1	275.6	276.8	278.0	279.2	280.4	280.4	280.4
32.5°	263.4	267.1	269.5	273.1	274.3	275.6	276.8	278.0	278.0	278.0
35°	259.8	263.4	265.8	269.5	270.7	271.9	274.3	274.3	275.6	275.6
37.5°	253.7	258.6	261.0	264.6	265.8	267.1	269.5	270.7	270.7	270.7
40°	247.6	252.5	254.9	258.6	259.8	261.0	263.4	264.6	265.8	265.8
42.5°	240.4	245.2	247.6	251.3	252.5	253.7	256.1	257.4	258.6	258.6
45°	233.1	236.7	239.1	242.8	245.2	245.2	247.6	248.9	250.1	250.1
47.5°	223.4	227.0	229.4	233.1	235.5	236.7	237.9	239.1	240.4	240.4
50°	212.4	216.1	219.7	222.1	224.6	224.6	227.0	228.2	229.4	229.4
52.5°	201.5	203.9	207.6	211.2	212.4	213.7	214.9	216.1	217.3	217.3
55°	189.4	191.8	195.4	197.9	199.1	200.3	201.5	202.7	203.9	203.9
57.5°	176.0	178.4	182.1	184.5	185.7	186.9	188.2	189.4	190.6	190.6
60°	161.5	163.9	167.5	169.9	171.2	171.2	173.6	174.8	174.8	174.8
62.5°	146.9	149.3	151.7	154.2	155.4	156.6	157.8	159.0	159.0	159.0
65°	132.3	134.7	137.2	138.4	139.6	139.6	140.8	142.0	143.2	143.2
67.5°	116.5	119.0	121.4	122.6	123.8	123.8	125.0	126.2	126.2	126.2
70°	100.8	102.0	104.4	105.6	106.8	106.8	109.3	109.3	109.3	109.3
72.5°	85.0	86.2	88.6	89.8	91.0	91.0	92.3	93.5	93.5	93.5
75°	70.4	71.6	72.8	75.3	75.3	75.3	76.5	77.7	77.7	77.7
77.5°	55.8	57.1	58.3	59.5	60.7	60.7	61.9	63.1	63.1	63.1
80°	42.5	43.7	44.9	46.1	46.1	47.3	47.3	48.6	48.6	48.6
82.5°	30.3	31.6	32.8	34.0	35.2	35.2	36.4	37.6	37.6	36.4
85°	20.6	23.1	24.3	25.5	25.5	25.5	26.7	27.9	27.9	26.7
87.5°	14.6	14.6	15.8	17.0	17.0	18.2	18.2	19.4	19.4	19.4
90°	8.5	8.5	9.7	9.7	10.9	10.9	10.9	12.1	12.1	12.1
92.5°	20.6	20.6	21.9	21.9	21.9	21.9	23.1	23.1	23.1	23.1
95°	220.9	99.5	83.8	51.0	48.6	42.5	41.3	42.5	42.5	41.3
97.5°	741.7	793.9	826.7	842.5	823.0	802.4	779.3	775.7	744.1	673.7
100°	800.0	841.2	881.3	909.2	920.2	929.9	951.7	965.1	971.1	977.2
102.5°	829.1	872.8	908.0	943.2	957.8	971.1	990.6	1006.3	1012.4	1017.3
105°	854.6	899.5	938.4	969.9	983.3	995.4	1014.8	1029.4	1040.3	1041.5
107.5°	860.7	908.0	951.7	990.6	1006.3	1019.7	1042.8	1053.7	1063.4	1063.4
110°	871.6	916.5	956.6	991.8	1007.6	1023.3	1047.6	1064.6	1074.3	1076.7



TEST NUMBER: P395726

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	880.1	926.2	963.9	999.1	1012.4	1027.0	1050.0	1065.8	1074.3	1078.0
115°	887.4	932.3	969.9	1002.7	1017.3	1031.8	1054.9	1068.3	1078.0	1081.6
117.5°	892.2	935.9	973.6	1003.9	1019.7	1031.8	1053.7	1068.3	1078.0	1079.2
120°	893.4	937.1	973.6	1003.9	1017.3	1030.6	1052.5	1067.0	1076.7	1076.7
122.5°	893.4	935.9	972.4	1001.5	1013.6	1025.8	1046.4	1063.4	1071.9	1071.9
125°	888.6	931.1	966.3	995.4	1007.6	1018.5	1040.3	1056.1	1064.6	1065.8
127.5°	881.3	922.6	957.8	986.9	999.1	1008.8	1031.8	1046.4	1054.9	1056.1
130°	871.6	912.9	946.9	974.8	986.9	997.8	1017.3	1033.0	1042.8	1045.2
132.5°	860.7	899.5	933.5	960.2	972.4	982.1	1001.5	1017.3	1025.8	1029.4
135°	847.3	883.7	916.5	943.2	955.4	965.1	983.3	999.1	1007.6	1011.2
137.5°	830.3	865.5	897.1	923.8	934.7	944.4	962.6	977.2	984.5	989.3
140°	810.9	843.7	876.5	900.7	911.7	921.4	937.1	952.9	960.2	963.9
142.5°	790.3	823.0	852.2	876.5	886.2	895.9	911.7	926.2	933.5	934.7
145°	768.4	800.0	826.7	849.7	858.2	868.0	882.5	897.1	904.4	905.6
147.5°	744.1	773.3	798.8	820.6	830.3	837.6	851.0	864.3	871.6	872.8
150°	716.2	742.9	766.0	787.8	796.3	803.6	818.2	830.3	837.6	838.8
152.5°	689.5	715.0	734.4	753.8	762.3	769.6	781.8	793.9	801.2	802.4
155°	661.6	684.7	704.1	719.9	727.1	734.4	744.1	755.1	761.1	762.3
157.5°	632.5	654.3	671.3	685.9	693.1	699.2	707.7	717.4	721.1	723.5
160°	600.9	619.1	633.7	648.2	654.3	660.4	668.9	676.2	681.0	682.2
162.5°	566.9	582.7	594.8	608.2	611.8	616.7	625.2	632.5	636.1	637.3
165°	531.7	546.3	557.2	568.1	570.5	574.2	580.3	587.5	590.0	592.4
167.5°	496.5	508.6	515.9	525.6	529.3	531.7	537.8	542.6	545.1	546.3
170°	462.5	471.0	477.1	484.4	485.6	489.2	492.9	497.7	498.9	498.9
172.5°	435.8	439.4	443.1	445.5	446.7	447.9	450.4	451.6	451.6	451.6
175°	418.8	421.2	421.2	422.4	422.4	422.4	422.4	422.4	422.4	422.4
177.5°	409.1	409.1	409.1	407.9	407.9	407.9	407.9	406.7	406.7	406.7
180°	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7

(END OF REPORT)