

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: P395743

Luminaire Tested: **I3-UL-50L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395743
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-50L92765-1D-UNV-W2A-W-4 (5700K)
Description: CORELITE I3, OPEN TOP
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4754.2 lumens
Efficiency: N/A
Efficacy: 129.9 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

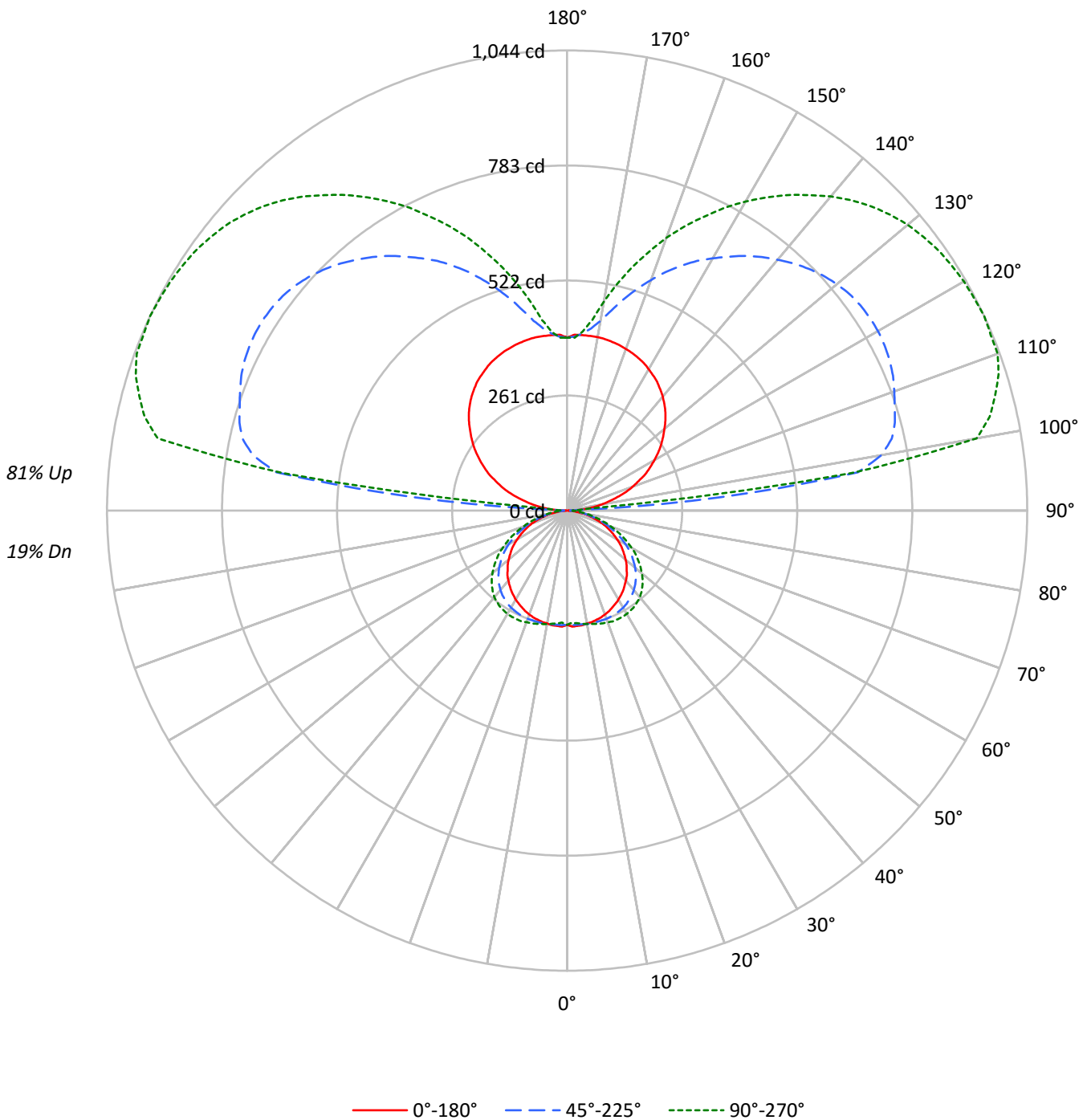
Input Watts (W): 36.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395743

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (5700K)

Luminous Intensity Polar Plot





TEST NUMBER: P395743

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (5700K)

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					19			
1	91	87	83	79	80	76	73	71	58	56	54	40	39	38	24	24	23	16					16			
2	82	75	69	64	72	67	62	58	50	47	44	35	33	31	21	20	19	13					13			
3	75	66	59	53	66	58	52	48	44	40	37	31	28	26	19	17	16	11					11			
4	68	58	51	45	60	51	45	40	39	35	31	27	24	22	16	15	14	9					9			
5	63	51	44	38	55	46	39	34	35	30	26	24	21	19	15	13	12	8					8			
6	57	46	38	33	50	41	34	29	31	26	23	22	19	16	13	12	10	7					7			
7	53	41	34	28	46	37	30	25	28	23	20	20	17	14	12	10	9	6					6			
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5					5			
9	45	34	26	22	40	30	24	20	23	18	15	16	13	11	10	8	7	5					5			
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	8	6	4					4			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1423	1423	1423
5°	1443	1402	1376
10°	1441	1393	1377
15°	1444	1388	1390
20°	1444	1394	1406
25°	1442	1397	1427
30°	1445	1399	1441
35°	1443	1392	1447
40°	1437	1382	1439
45°	1424	1353	1407
50°	1411	1309	1355
55°	1387	1245	1278
60°	1343	1155	1176
65°	1285	1029	1049
70°	1214	893	885
75°	1052	699	710
80°	836	502	514
85°	496	292	338



TEST NUMBER: P395743

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (5700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.8	0.5
10°-20°	73.9	1.6
20°-30°	118.9	2.5
30°-40°	153.0	3.2
40°-50°	168.0	3.5
50°-60°	157.9	3.3
60°-70°	122.7	2.6
70°-80°	70.4	1.5
80°-90°	22.6	0.5
90°-100°	303.9	6.4
100°-110°	722.2	15.2
110°-120°	725.5	15.3
120°-130°	665.3	14.0
130°-140°	556.3	11.7
140°-150°	417.6	8.8
150°-160°	271.8	5.7
160°-170°	140.0	2.9
170°-180°	39.6	0.8
0°-30°	217.5	4.6
0°-40°	370.5	7.8
0°-60°	696.4	14.6
0°-90°	912.0	19.2
90°-120°	1751.6	36.8
90°-150°	3390.9	71.3
90°-180°	3842.0	80.8
0°-180°	4754.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	259	259	259	259	259	
5°	262	260	260	259	257	25
15°	257	255	261	265	266	73
25°	242	245	259	268	272	112
35°	221	227	246	261	266	138
45°	191	200	220	237	241	148
55°	154	162	179	192	197	137
65°	108	114	124	135	138	107
75°	57	60	66	73	75	61
85°	12	14	19	25	26	14
90°	1	4	7	10	12	4
95°	41	340	349	47	40	41
105°	118	456	770	949	1005	125
115°	196	513	807	982	1044	192
125°	260	536	812	972	1029	232
135°	315	533	776	922	976	243
145°	356	511	705	828	874	223
155°	382	469	613	702	736	176
165°	396	423	497	551	572	112
175°	400	398	403	408	408	38
180°	392	392	392	392	392	



TEST NUMBER: P395743

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	258.9	258.9	258.9	258.9	258.9	258.9	258.9	258.9	258.9	258.9	258.9
2.5°	263.6	262.5	261.3	261.3	260.1	260.1	260.1	258.9	258.9	258.9	260.1
5°	262.5	262.5	261.3	260.1	260.1	260.1	258.9	258.9	258.9	258.9	260.1
7.5°	262.5	261.3	260.1	260.1	258.9	258.9	258.9	258.9	258.9	258.9	260.1
10°	260.1	260.1	258.9	258.9	257.8	258.9	258.9	258.9	258.9	258.9	261.3
12.5°	258.9	258.9	257.8	256.6	256.6	256.6	257.8	257.8	257.8	258.9	261.3
15°	256.6	256.6	255.4	255.4	255.4	255.4	256.6	256.6	257.8	258.9	261.3
17.5°	254.3	254.3	253.1	253.1	253.1	254.3	254.3	255.4	256.6	258.9	261.3
20°	250.7	250.7	250.7	250.7	250.7	251.9	251.9	253.1	255.4	257.8	261.3
22.5°	247.2	247.2	247.2	247.2	247.2	248.4	249.6	251.9	253.1	256.6	260.1
25°	242.5	242.5	242.5	242.5	243.7	244.9	246.1	248.4	250.7	254.3	258.9
27.5°	237.9	239.0	239.0	239.0	240.2	241.4	242.5	244.9	248.4	253.1	256.6
30°	233.2	233.2	233.2	234.3	235.5	236.7	239.0	241.4	244.9	249.6	254.3
32.5°	227.3	227.3	228.5	228.5	230.8	232.0	234.3	237.9	241.4	246.1	250.7
35°	221.4	221.4	221.4	223.8	225.0	227.3	228.5	232.0	236.7	241.4	246.1
37.5°	214.4	215.6	215.6	216.8	219.1	221.4	222.6	227.3	232.0	236.7	241.4
40°	207.4	208.6	208.6	209.7	213.2	214.4	216.8	221.4	225.0	230.8	235.5
42.5°	200.4	200.4	201.5	202.7	206.2	207.4	209.7	214.4	219.1	223.8	228.5
45°	191.0	192.2	193.3	194.5	198.0	200.4	202.7	206.2	210.9	215.6	220.3
47.5°	182.8	182.8	184.0	186.3	189.8	192.2	193.3	198.0	201.5	206.2	210.9
50°	173.4	174.6	174.6	176.9	180.4	182.8	184.0	188.6	192.2	196.8	201.5
52.5°	162.9	164.0	165.2	167.5	171.1	173.4	174.6	178.1	181.6	186.3	189.8
55°	153.5	154.7	154.7	157.0	160.5	161.7	164.0	166.4	171.1	174.6	179.3
57.5°	142.9	144.1	144.1	146.5	148.8	151.1	152.3	155.8	159.3	162.9	166.4
60°	131.2	132.4	133.6	134.7	137.1	139.4	140.6	142.9	146.5	150.0	153.5
62.5°	119.5	120.7	121.9	123.0	125.4	126.5	127.7	131.2	133.6	137.1	139.4
65°	107.8	109.0	110.1	111.3	112.5	113.7	114.8	117.2	119.5	123.0	124.2
67.5°	96.1	97.2	97.2	98.4	99.6	100.8	101.9	104.3	105.5	109.0	110.1
70°	84.4	84.4	84.4	85.5	85.5	86.7	87.9	90.2	91.4	93.7	96.1
72.5°	70.3	71.5	71.5	71.5	72.6	73.8	75.0	76.2	77.3	78.5	80.8
75°	57.4	58.6	57.4	58.6	59.8	59.8	60.9	62.1	63.3	64.4	65.6
77.5°	45.7	44.5	45.7	45.7	46.9	46.9	46.9	48.0	50.4	50.4	52.7
80°	32.8	32.8	32.8	32.8	34.0	34.0	35.2	35.2	37.5	38.7	39.8
82.5°	21.1	21.1	22.3	22.3	22.3	23.4	23.4	24.6	25.8	26.9	28.1
85°	11.7	11.7	11.7	12.9	12.9	14.1	14.1	15.2	16.4	17.6	18.7
87.5°	3.5	4.7	5.9	5.9	7.0	7.0	8.2	8.2	10.5	11.7	12.9
90°	1.2	1.2	2.3	2.3	2.3	3.5	3.5	4.7	4.7	5.9	7.0
92.5°	19.9	46.9	97.2	145.3	125.4	117.2	70.3	21.1	18.7	19.9	19.9
95°	41.0	77.3	141.8	229.6	297.6	339.8	367.9	421.8	476.9	467.5	349.2
97.5°	59.8	99.6	171.1	251.9	345.6	393.7	430.0	494.4	564.7	623.3	665.5
100°	78.5	119.5	195.7	280.0	366.7	410.1	452.3	540.1	609.3	667.9	724.1
102.5°	98.4	139.4	217.9	305.8	391.3	433.5	474.5	551.9	629.2	699.5	754.6
105°	118.3	160.5	237.9	328.1	413.6	455.8	495.6	569.4	640.9	706.5	769.8
107.5°	139.4	179.3	255.4	345.6	431.2	473.4	513.2	587.0	656.1	721.8	779.2
110°	158.2	196.8	273.0	362.0	447.6	489.8	529.6	603.4	671.4	733.5	789.7



TEST NUMBER: P395743

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	175.8	213.2	289.4	376.1	460.5	502.6	541.3	615.1	683.1	744.0	800.3
115°	195.7	228.5	305.8	389.0	472.2	513.2	551.9	624.5	692.5	752.2	807.3
117.5°	212.1	243.7	319.9	399.5	481.6	521.4	558.9	631.5	698.3	758.1	812.0
120°	228.5	257.8	332.8	408.9	488.6	527.3	564.7	636.2	703.0	761.6	814.3
122.5°	244.9	271.8	343.3	418.3	494.4	533.1	569.4	639.7	705.3	762.8	814.3
125°	260.1	283.5	352.7	425.3	498.0	535.5	570.6	639.7	704.2	760.4	812.0
127.5°	274.2	296.4	359.7	432.3	500.3	536.6	570.6	637.4	701.8	756.9	807.3
130°	288.2	308.2	366.7	435.9	502.6	535.5	568.3	632.7	696.0	751.0	799.1
132.5°	302.3	321.0	372.6	439.4	503.8	535.5	565.9	628.0	688.9	742.8	788.5
135°	315.2	330.4	378.5	441.7	502.6	533.1	561.2	619.8	678.4	731.1	775.6
137.5°	326.9	339.8	383.1	442.9	501.5	529.6	557.7	610.4	665.5	717.1	760.4
140°	337.4	349.2	385.5	442.9	496.8	524.9	550.7	601.1	651.5	700.7	742.8
142.5°	346.8	357.4	389.0	440.6	492.1	519.1	543.7	591.7	637.4	684.3	725.3
145°	356.2	364.4	391.3	439.4	486.2	510.9	534.3	580.0	624.5	666.7	705.3
147.5°	363.2	371.4	393.7	434.7	479.2	501.5	523.7	567.1	608.1	647.9	683.1
150°	370.2	377.3	394.9	430.0	471.0	490.9	510.9	551.9	591.7	628.0	660.8
152.5°	377.3	382.0	398.4	425.3	461.6	480.4	500.3	536.6	572.9	606.9	638.6
155°	382.0	385.5	399.5	420.6	452.3	468.7	485.1	519.1	551.9	583.5	612.8
157.5°	386.7	390.2	400.7	417.1	441.7	457.0	471.0	500.3	530.8	558.9	585.8
160°	390.2	392.5	400.7	414.8	432.3	442.9	455.8	482.7	508.5	533.1	556.5
162.5°	393.7	394.9	400.7	411.3	424.1	431.2	440.6	461.6	485.1	506.2	527.3
165°	396.0	397.2	400.7	408.9	417.1	423.0	427.7	442.9	460.5	479.2	496.8
167.5°	398.4	398.4	400.7	406.6	411.3	414.8	418.3	426.5	438.2	452.3	465.2
170°	399.5	399.5	400.7	404.2	407.7	408.9	411.3	415.9	421.8	428.8	437.0
172.5°	399.5	399.5	399.5	401.9	403.1	403.1	403.1	405.4	408.9	413.6	417.1
175°	399.5	398.4	398.4	399.5	398.4	398.4	398.4	398.4	399.5	401.9	403.1
177.5°	399.5	398.4	397.2	397.2	396.0	396.0	394.9	394.9	394.9	394.9	394.9
180°	392.5	392.5	392.5	392.5	392.5	392.5	392.5	392.5	392.5	392.5	392.5



TEST NUMBER: P395743

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	258.9	258.9	258.9	258.9	258.9	258.9	258.9	258.9	258.9	258.9
2.5°	260.1	260.1	258.9	257.8	257.8	257.8	256.6	255.4	254.3	254.3
5°	260.1	260.1	258.9	258.9	258.9	258.9	257.8	257.8	256.6	256.6
7.5°	261.3	260.1	260.1	260.1	260.1	260.1	260.1	260.1	258.9	258.9
10°	261.3	261.3	261.3	261.3	261.3	261.3	261.3	261.3	261.3	261.3
12.5°	262.5	262.5	262.5	262.5	263.6	263.6	263.6	263.6	263.6	263.6
15°	262.5	263.6	264.8	264.8	264.8	266.0	266.0	266.0	266.0	266.0
17.5°	263.6	264.8	266.0	266.0	267.1	267.1	268.3	268.3	268.3	268.3
20°	263.6	264.8	266.0	267.1	268.3	268.3	269.5	270.7	270.7	269.5
22.5°	262.5	264.8	266.0	267.1	268.3	269.5	270.7	271.8	271.8	271.8
25°	261.3	263.6	266.0	268.3	268.3	269.5	271.8	271.8	271.8	271.8
27.5°	260.1	262.5	264.8	267.1	268.3	269.5	270.7	271.8	271.8	271.8
30°	257.8	261.3	263.6	266.0	267.1	268.3	269.5	270.7	270.7	270.7
32.5°	254.3	257.8	260.1	263.6	264.8	266.0	267.1	268.3	268.3	268.3
35°	250.7	254.3	256.6	260.1	261.3	262.5	264.8	264.8	266.0	266.0
37.5°	244.9	249.6	251.9	255.4	256.6	257.8	260.1	261.3	261.3	261.3
40°	239.0	243.7	246.1	249.6	250.7	251.9	254.3	255.4	256.6	256.6
42.5°	232.0	236.7	239.0	242.5	243.7	244.9	247.2	248.4	249.6	249.6
45°	225.0	228.5	230.8	234.3	236.7	236.7	239.0	240.2	241.4	241.4
47.5°	215.6	219.1	221.4	225.0	227.3	228.5	229.6	230.8	232.0	232.0
50°	205.0	208.6	212.1	214.4	216.8	216.8	219.1	220.3	221.4	221.4
52.5°	194.5	196.8	200.4	203.9	205.0	206.2	207.4	208.6	209.7	209.7
55°	182.8	185.1	188.6	191.0	192.2	193.3	194.5	195.7	196.8	196.8
57.5°	169.9	172.2	175.8	178.1	179.3	180.4	181.6	182.8	184.0	184.0
60°	155.8	158.2	161.7	164.0	165.2	165.2	167.5	168.7	168.7	168.7
62.5°	141.8	144.1	146.5	148.8	150.0	151.1	152.3	153.5	153.5	153.5
65°	127.7	130.1	132.4	133.6	134.7	134.7	135.9	137.1	138.3	138.3
67.5°	112.5	114.8	117.2	118.3	119.5	119.5	120.7	121.9	121.9	121.9
70°	97.2	98.4	100.8	101.9	103.1	103.1	105.5	105.5	105.5	105.5
72.5°	82.0	83.2	85.5	86.7	87.9	87.9	89.0	90.2	90.2	90.2
75°	68.0	69.1	70.3	72.6	72.6	72.6	73.8	75.0	75.0	75.0
77.5°	53.9	55.1	56.2	57.4	58.6	58.6	59.8	60.9	60.9	60.9
80°	41.0	42.2	43.4	44.5	44.5	45.7	45.7	46.9	46.9	46.9
82.5°	29.3	30.5	31.6	32.8	34.0	34.0	35.2	36.3	36.3	35.2
85°	19.9	22.3	23.4	24.6	24.6	24.6	25.8	26.9	26.9	25.8
87.5°	14.1	14.1	15.2	16.4	16.4	17.6	17.6	18.7	18.7	18.7
90°	8.2	8.2	9.4	9.4	10.5	10.5	10.5	11.7	11.7	11.7
92.5°	19.9	19.9	21.1	21.1	21.1	21.1	22.3	22.3	22.3	22.3
95°	213.2	96.1	80.8	49.2	46.9	41.0	39.8	41.0	41.0	39.8
97.5°	715.9	766.3	797.9	813.1	794.4	774.5	752.2	748.7	718.2	650.3
100°	772.1	812.0	850.6	877.6	888.1	897.5	918.6	931.5	937.3	943.2
102.5°	800.3	842.4	876.4	910.4	924.5	937.3	956.1	971.3	977.2	981.9
105°	824.9	868.2	905.7	936.2	949.1	960.8	979.5	993.6	1004.1	1005.3
107.5°	830.7	876.4	918.6	956.1	971.3	984.2	1006.5	1017.0	1026.4	1026.4
110°	841.3	884.6	923.3	957.3	972.5	987.7	1011.2	1027.6	1036.9	1039.3



TEST NUMBER: P395743

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	849.5	894.0	930.3	964.3	977.2	991.2	1013.5	1028.7	1036.9	1040.4
115°	856.5	899.8	936.2	967.8	981.9	995.9	1018.2	1031.1	1040.4	1044.0
117.5°	861.2	903.4	939.7	969.0	984.2	995.9	1017.0	1031.1	1040.4	1041.6
120°	862.4	904.5	939.7	969.0	981.9	994.8	1015.8	1029.9	1039.3	1039.3
122.5°	862.4	903.4	938.5	966.6	978.3	990.1	1010.0	1026.4	1034.6	1034.6
125°	857.7	898.7	932.7	960.8	972.5	983.0	1004.1	1019.4	1027.6	1028.7
127.5°	850.6	890.5	924.5	952.6	964.3	973.7	995.9	1010.0	1018.2	1019.4
130°	841.3	881.1	913.9	940.9	952.6	963.1	981.9	997.1	1006.5	1008.8
132.5°	830.7	868.2	901.0	926.8	938.5	947.9	966.6	981.9	990.1	993.6
135°	817.8	853.0	884.6	910.4	922.1	931.5	949.1	964.3	972.5	976.0
137.5°	801.4	835.4	865.9	891.6	902.2	911.6	929.1	943.2	950.2	954.9
140°	782.7	814.3	845.9	869.4	879.9	889.3	904.5	919.8	926.8	930.3
142.5°	762.8	794.4	822.5	845.9	855.3	864.7	879.9	894.0	901.0	902.2
145°	741.7	772.1	797.9	820.2	828.4	837.7	851.8	865.9	872.9	874.1
147.5°	718.2	746.4	771.0	792.1	801.4	808.5	821.3	834.2	841.3	842.4
150°	691.3	717.1	739.3	760.4	768.6	775.6	789.7	801.4	808.5	809.6
152.5°	665.5	690.1	708.9	727.6	735.8	742.8	754.6	766.3	773.3	774.5
155°	638.6	660.8	679.6	694.8	701.8	708.9	718.2	728.8	734.6	735.8
157.5°	610.4	631.5	647.9	662.0	669.0	674.9	683.1	692.5	696.0	698.3
160°	580.0	597.6	611.6	625.7	631.5	637.4	645.6	652.6	657.3	658.5
162.5°	547.2	562.4	574.1	587.0	590.5	595.2	603.4	610.4	614.0	615.1
165°	513.2	527.3	537.8	548.3	550.7	554.2	560.1	567.1	569.4	571.8
167.5°	479.2	490.9	498.0	507.3	510.9	513.2	519.1	523.7	526.1	527.3
170°	446.4	454.6	460.5	467.5	468.7	472.2	475.7	480.4	481.6	481.6
172.5°	420.6	424.1	427.7	430.0	431.2	432.3	434.7	435.9	435.9	435.9
175°	404.2	406.6	406.6	407.7	407.7	407.7	407.7	407.7	407.7	407.7
177.5°	394.9	394.9	394.9	393.7	393.7	393.7	393.7	392.5	392.5	392.5
180°	392.5	392.5	392.5	392.5	392.5	392.5	392.5	392.5	392.5	392.5

(END OF REPORT)