

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: P395725

Luminaire Tested: **I3-UL-50L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395725
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 (3000K)
Description: CORELITE I3, OPEN TOP
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4759.3 lumens
Efficiency: N/A
Efficacy: 134.8 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

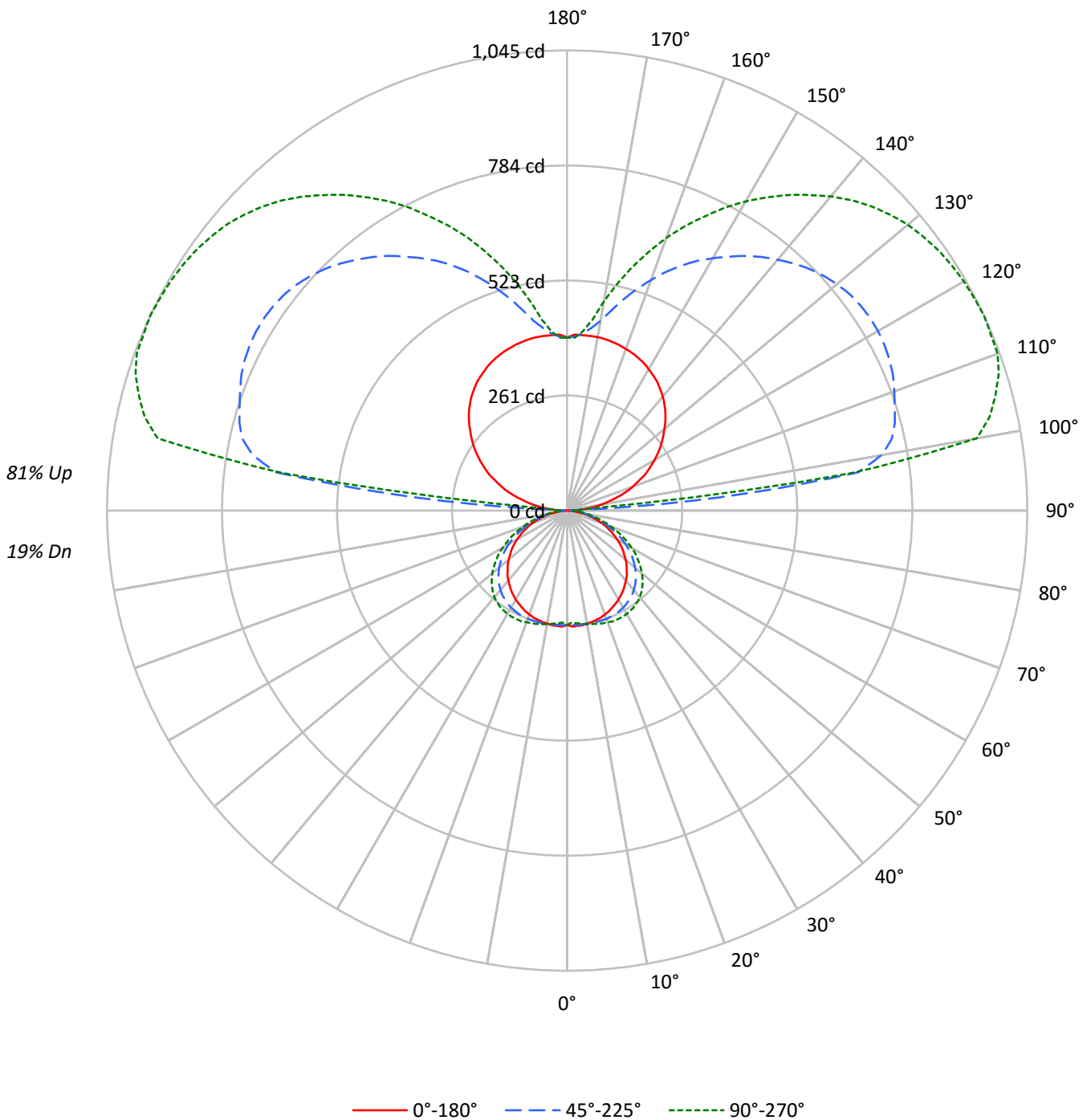
Input Watts (W): 35.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (3000K)

Luminous Intensity Polar Plot





TEST NUMBER: P395725

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (3000K)

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°	1425	1425	1425
5°	1444	1404	1377
10°	1443	1395	1379
15°	1445	1390	1391
20°	1446	1395	1407
25°	1444	1399	1428
30°	1446	1400	1442
35°	1445	1393	1449
40°	1438	1383	1440
45°	1426	1354	1408
50°	1413	1310	1357
55°	1388	1247	1280
60°	1345	1157	1177
65°	1286	1030	1050
70°	1216	894	886
75°	1054	700	711
80°	836	504	514
85°	496	294	338



TEST NUMBER: P395725

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.8	0.5
10°-20°	73.9	1.6
20°-30°	119.0	2.5
30°-40°	153.1	3.2
40°-50°	168.2	3.5
50°-60°	158.1	3.3
60°-70°	122.8	2.6
70°-80°	70.4	1.5
80°-90°	22.6	0.5
90°-100°	304.2	6.4
100°-110°	723.0	15.2
110°-120°	726.3	15.3
120°-130°	666.0	14.0
130°-140°	556.9	11.7
140°-150°	418.0	8.8
150°-160°	272.1	5.7
160°-170°	140.1	2.9
170°-180°	39.7	0.8
0°-30°	217.7	4.6
0°-40°	370.9	7.8
0°-60°	697.1	14.6
0°-90°	912.9	19.2
90°-120°	1753.5	36.8
90°-150°	3394.4	71.3
90°-180°	3846.0	80.8
0°-180°	4759.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	259	259	259	259	259	
5°	263	260	260	259	257	25
15°	257	256	262	265	266	73
25°	243	245	259	269	272	112
35°	222	228	246	262	266	139
45°	191	201	220	237	242	148
55°	154	162	180	192	197	137
65°	108	114	124	135	138	107
75°	58	60	66	73	75	61
85°	12	14	19	25	26	14
90°	1	4	7	11	12	4
95°	41	340	350	47	40	41
105°	118	456	771	950	1006	125
115°	196	514	808	983	1045	193
125°	260	536	813	974	1030	232
135°	316	534	776	923	977	243
145°	357	511	706	829	875	223
155°	382	469	613	703	737	177
165°	396	423	497	551	572	112
175°	400	399	404	408	408	38
180°	393	393	393	393	393	



TEST NUMBER: P395725

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2
2.5°	263.9	262.7	261.6	261.6	260.4	260.4	260.4	259.2	259.2	259.2	260.4
5°	262.7	262.7	261.6	260.4	260.4	260.4	259.2	259.2	259.2	259.2	260.4
7.5°	262.7	261.6	260.4	260.4	259.2	259.2	259.2	259.2	259.2	259.2	260.4
10°	260.4	260.4	259.2	259.2	258.0	259.2	259.2	259.2	259.2	259.2	261.6
12.5°	259.2	259.2	258.0	256.9	256.9	256.9	258.0	258.0	258.0	259.2	261.6
15°	256.9	256.9	255.7	255.7	255.7	255.7	256.9	256.9	258.0	259.2	261.6
17.5°	254.5	254.5	253.4	253.4	253.4	254.5	254.5	255.7	256.9	259.2	261.6
20°	251.0	251.0	251.0	251.0	251.0	252.2	252.2	253.4	255.7	258.0	261.6
22.5°	247.5	247.5	247.5	247.5	247.5	248.7	249.8	252.2	253.4	256.9	260.4
25°	242.8	242.8	242.8	242.8	244.0	245.1	246.3	248.7	251.0	254.5	259.2
27.5°	238.1	239.3	239.3	239.3	240.4	241.6	242.8	245.1	248.7	253.4	256.9
30°	233.4	233.4	233.4	234.6	235.8	236.9	239.3	241.6	245.1	249.8	254.5
32.5°	227.5	227.5	228.7	228.7	231.1	232.2	234.6	238.1	241.6	246.3	251.0
35°	221.7	221.7	221.7	224.0	225.2	227.5	228.7	232.2	236.9	241.6	246.3
37.5°	214.6	215.8	215.8	217.0	219.3	221.7	222.9	227.5	232.2	236.9	241.6
40°	207.6	208.8	208.8	210.0	213.5	214.6	217.0	221.7	225.2	231.1	235.8
42.5°	200.6	200.6	201.7	202.9	206.4	207.6	210.0	214.6	219.3	224.0	228.7
45°	191.2	192.4	193.5	194.7	198.2	200.6	202.9	206.4	211.1	215.8	220.5
47.5°	183.0	183.0	184.1	186.5	190.0	192.4	193.5	198.2	201.7	206.4	211.1
50°	173.6	174.8	174.8	177.1	180.6	183.0	184.1	188.8	192.4	197.1	201.7
52.5°	163.0	164.2	165.4	167.7	171.2	173.6	174.8	178.3	181.8	186.5	190.0
55°	153.7	154.8	154.8	157.2	160.7	161.9	164.2	166.6	171.2	174.8	179.5
57.5°	143.1	144.3	144.3	146.6	149.0	151.3	152.5	156.0	159.5	163.0	166.6
60°	131.4	132.5	133.7	134.9	137.2	139.6	140.8	143.1	146.6	150.1	153.7
62.5°	119.6	120.8	122.0	123.2	125.5	126.7	127.8	131.4	133.7	137.2	139.6
65°	107.9	109.1	110.3	111.4	112.6	113.8	114.9	117.3	119.6	123.2	124.3
67.5°	96.2	97.4	97.4	98.5	99.7	100.9	102.0	104.4	105.6	109.1	110.3
70°	84.5	84.5	84.5	85.6	85.6	86.8	88.0	90.3	91.5	93.8	96.2
72.5°	70.4	71.5	71.5	71.5	72.7	73.9	75.1	76.2	77.4	78.6	80.9
75°	57.5	58.6	57.5	58.6	59.8	59.8	61.0	62.2	63.3	64.5	65.7
77.5°	45.7	44.6	45.7	45.7	46.9	46.9	46.9	48.1	50.4	50.4	52.8
80°	32.8	32.8	32.8	32.8	34.0	34.0	35.2	35.2	37.5	38.7	39.9
82.5°	21.1	21.1	22.3	22.3	22.3	23.5	23.5	24.6	25.8	27.0	28.2
85°	11.7	11.7	11.7	12.9	12.9	14.1	14.1	15.2	16.4	17.6	18.8
87.5°	3.5	4.7	5.9	5.9	7.0	7.0	8.2	8.2	10.6	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	97.4	145.4	125.5	117.3	70.4	21.1	18.8	19.9	19.9
95°	41.1	77.4	141.9	229.9	297.9	340.1	368.3	422.3	477.4	468.0	349.5
97.5°	59.8	99.7	171.2	252.2	346.0	394.1	430.5	495.0	565.3	624.0	666.2
100°	78.6	119.6	195.9	280.3	367.1	410.5	452.7	540.7	609.9	668.6	724.9
102.5°	98.5	139.6	218.2	306.1	391.8	434.0	475.0	552.4	629.9	700.2	755.4
105°	118.5	160.7	238.1	328.4	414.0	456.3	496.1	570.0	641.6	707.3	770.6
107.5°	139.6	179.5	255.7	346.0	431.6	473.9	513.7	587.6	656.8	722.5	780.0
110°	158.3	197.1	273.3	362.4	448.1	490.3	530.2	604.1	672.1	734.2	790.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	175.9	213.5	289.7	376.5	461.0	503.2	541.9	615.8	683.8	744.8	801.1
115°	195.9	228.7	306.1	389.4	472.7	513.7	552.4	625.2	693.2	753.0	808.1
117.5°	212.3	244.0	320.2	400.0	482.1	521.9	559.5	632.2	699.1	758.9	812.8
120°	228.7	258.0	333.1	409.3	489.1	527.8	565.3	636.9	703.8	762.4	815.2
122.5°	245.1	272.1	343.7	418.7	495.0	533.7	570.0	640.4	706.1	763.6	815.2
125°	260.4	283.8	353.0	425.8	498.5	536.0	571.2	640.4	704.9	761.2	812.8
127.5°	274.5	296.7	360.1	432.8	500.8	537.2	571.2	638.1	702.6	757.7	808.1
130°	288.5	308.5	367.1	436.3	503.2	536.0	568.9	633.4	696.7	751.8	799.9
132.5°	302.6	321.4	373.0	439.8	504.4	536.0	566.5	628.7	689.7	743.6	789.4
135°	315.5	330.8	378.9	442.2	503.2	533.7	561.8	620.5	679.1	731.9	776.5
137.5°	327.2	340.1	383.5	443.4	502.0	530.2	558.3	611.1	666.2	717.8	761.2
140°	337.8	349.5	385.9	443.4	497.3	525.5	551.3	601.7	652.1	701.4	743.6
142.5°	347.2	357.7	389.4	441.0	492.6	519.6	544.2	592.3	638.1	685.0	726.0
145°	356.6	364.8	391.8	439.8	486.8	511.4	534.9	580.6	625.2	667.4	706.1
147.5°	363.6	371.8	394.1	435.2	479.7	502.0	524.3	567.7	608.7	648.6	683.8
150°	370.6	377.7	395.3	430.5	471.5	491.5	511.4	552.4	592.3	628.7	661.5
152.5°	377.7	382.4	398.8	425.8	462.1	480.9	500.8	537.2	573.6	607.6	639.2
155°	382.4	385.9	400.0	421.1	452.7	469.2	485.6	519.6	552.4	584.1	613.4
157.5°	387.1	390.6	401.1	417.6	442.2	457.4	471.5	500.8	531.3	559.5	586.5
160°	390.6	392.9	401.1	415.2	432.8	443.4	456.3	483.2	509.0	533.7	557.1
162.5°	394.1	395.3	401.1	411.7	424.6	431.6	441.0	462.1	485.6	506.7	527.8
165°	396.4	397.6	401.1	409.3	417.6	423.4	428.1	443.4	461.0	479.7	497.3
167.5°	398.8	398.8	401.1	407.0	411.7	415.2	418.7	426.9	438.7	452.7	465.6
170°	400.0	400.0	401.1	404.7	408.2	409.3	411.7	416.4	422.3	429.3	437.5
172.5°	400.0	400.0	400.0	402.3	403.5	403.5	403.5	405.8	409.3	414.0	417.6
175°	400.0	398.8	398.8	400.0	398.8	398.8	398.8	398.8	400.0	402.3	403.5
177.5°	400.0	398.8	397.6	397.6	396.4	396.4	395.3	395.3	395.3	395.3	395.3
180°	392.9	392.9	392.9	392.9	392.9	392.9	392.9	392.9	392.9	392.9	392.9



TEST NUMBER: P395725

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2
2.5°	260.4	260.4	259.2	258.0	258.0	258.0	256.9	255.7	254.5	254.5
5°	260.4	260.4	259.2	259.2	259.2	259.2	258.0	258.0	256.9	256.9
7.5°	261.6	260.4	260.4	260.4	260.4	260.4	260.4	260.4	259.2	259.2
10°	261.6	261.6	261.6	261.6	261.6	261.6	261.6	261.6	261.6	261.6
12.5°	262.7	262.7	262.7	262.7	263.9	263.9	263.9	263.9	263.9	263.9
15°	262.7	263.9	265.1	265.1	265.1	266.3	266.3	266.3	266.3	266.3
17.5°	263.9	265.1	266.3	266.3	267.4	267.4	268.6	268.6	268.6	268.6
20°	263.9	265.1	266.3	267.4	268.6	268.6	269.8	270.9	270.9	269.8
22.5°	262.7	265.1	266.3	267.4	268.6	269.8	270.9	272.1	272.1	272.1
25°	261.6	263.9	266.3	268.6	268.6	269.8	272.1	272.1	272.1	272.1
27.5°	260.4	262.7	265.1	267.4	268.6	269.8	270.9	272.1	272.1	272.1
30°	258.0	261.6	263.9	266.3	267.4	268.6	269.8	270.9	270.9	270.9
32.5°	254.5	258.0	260.4	263.9	265.1	266.3	267.4	268.6	268.6	268.6
35°	251.0	254.5	256.9	260.4	261.6	262.7	265.1	265.1	266.3	266.3
37.5°	245.1	249.8	252.2	255.7	256.9	258.0	260.4	261.6	261.6	261.6
40°	239.3	244.0	246.3	249.8	251.0	252.2	254.5	255.7	256.9	256.9
42.5°	232.2	236.9	239.3	242.8	244.0	245.1	247.5	248.7	249.8	249.8
45°	225.2	228.7	231.1	234.6	236.9	236.9	239.3	240.4	241.6	241.6
47.5°	215.8	219.3	221.7	225.2	227.5	228.7	229.9	231.1	232.2	232.2
50°	205.3	208.8	212.3	214.6	217.0	217.0	219.3	220.5	221.7	221.7
52.5°	194.7	197.1	200.6	204.1	205.3	206.4	207.6	208.8	210.0	210.0
55°	183.0	185.3	188.8	191.2	192.4	193.5	194.7	195.9	197.1	197.1
57.5°	170.1	172.4	175.9	178.3	179.5	180.6	181.8	183.0	184.1	184.1
60°	156.0	158.3	161.9	164.2	165.4	165.4	167.7	168.9	168.9	168.9
62.5°	141.9	144.3	146.6	149.0	150.1	151.3	152.5	153.7	153.7	153.7
65°	127.8	130.2	132.5	133.7	134.9	134.9	136.1	137.2	138.4	138.4
67.5°	112.6	114.9	117.3	118.5	119.6	119.6	120.8	122.0	122.0	122.0
70°	97.4	98.5	100.9	102.0	103.2	103.2	105.6	105.6	105.6	105.6
72.5°	82.1	83.3	85.6	86.8	88.0	88.0	89.1	90.3	90.3	90.3
75°	68.0	69.2	70.4	72.7	72.7	72.7	73.9	75.1	75.1	75.1
77.5°	54.0	55.1	56.3	57.5	58.6	58.6	59.8	61.0	61.0	61.0
80°	41.1	42.2	43.4	44.6	44.6	45.7	45.7	46.9	46.9	46.9
82.5°	29.3	30.5	31.7	32.8	34.0	34.0	35.2	36.4	36.4	35.2
85°	19.9	22.3	23.5	24.6	24.6	24.6	25.8	27.0	27.0	25.8
87.5°	14.1	14.1	15.2	16.4	16.4	17.6	17.6	18.8	18.8	18.8
90°	8.2	8.2	9.4	9.4	10.6	10.6	10.6	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°	213.5	96.2	80.9	49.3	46.9	41.1	39.9	41.1	41.1	39.9
97.5°	716.7	767.1	798.8	814.0	795.2	775.3	753.0	749.5	719.0	651.0
100°	773.0	812.8	851.5	878.5	889.1	898.5	919.6	932.5	938.3	944.2
102.5°	801.1	843.3	877.3	911.4	925.4	938.3	957.1	972.3	978.2	982.9
105°	825.7	869.1	906.7	937.2	950.1	961.8	980.6	994.6	1005.2	1006.4
107.5°	831.6	877.3	919.6	957.1	972.3	985.3	1007.5	1018.1	1027.5	1027.5
110°	842.2	885.6	924.3	958.3	973.5	988.8	1012.2	1028.6	1038.0	1040.4



TEST NUMBER: P395725

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	850.4	894.9	931.3	965.3	978.2	992.3	1014.6	1029.8	1038.0	1041.6
115°	857.4	900.8	937.2	968.8	982.9	997.0	1019.3	1032.2	1041.6	1045.1
117.5°	862.1	904.3	940.7	970.0	985.3	997.0	1018.1	1032.2	1041.6	1042.7
120°	863.3	905.5	940.7	970.0	982.9	995.8	1016.9	1031.0	1040.4	1040.4
122.5°	863.3	904.3	939.5	967.7	979.4	991.1	1011.1	1027.5	1035.7	1035.7
125°	858.6	899.6	933.6	961.8	973.5	984.1	1005.2	1020.4	1028.6	1029.8
127.5°	851.5	891.4	925.4	953.6	965.3	974.7	997.0	1011.1	1019.3	1020.4
130°	842.2	882.0	914.9	941.9	953.6	964.1	982.9	998.2	1007.5	1009.9
132.5°	831.6	869.1	902.0	927.8	939.5	948.9	967.7	982.9	991.1	994.6
135°	818.7	853.9	885.6	911.4	923.1	932.5	950.1	965.3	973.5	977.0
137.5°	802.3	836.3	866.8	892.6	903.1	912.5	930.1	944.2	951.2	955.9
140°	783.5	815.2	846.8	870.3	880.9	890.2	905.5	920.7	927.8	931.3
142.5°	763.6	795.2	823.4	846.8	856.2	865.6	880.9	894.9	902.0	903.1
145°	742.5	773.0	798.8	821.0	829.3	838.6	852.7	866.8	873.8	875.0
147.5°	719.0	747.1	771.8	792.9	802.3	809.3	822.2	835.1	842.2	843.3
150°	692.0	717.8	740.1	761.2	769.4	776.5	790.5	802.3	809.3	810.5
152.5°	666.2	690.8	709.6	728.4	736.6	743.6	755.4	767.1	774.1	775.3
155°	639.2	661.5	680.3	695.5	702.6	709.6	719.0	729.6	735.4	736.6
157.5°	611.1	632.2	648.6	662.7	669.7	675.6	683.8	693.2	696.7	699.1
160°	580.6	598.2	612.3	626.3	632.2	638.1	646.3	653.3	658.0	659.2
162.5°	547.8	563.0	574.7	587.6	591.2	595.8	604.1	611.1	614.6	615.8
165°	513.7	527.8	538.4	548.9	551.3	554.8	560.7	567.7	570.0	572.4
167.5°	479.7	491.5	498.5	507.9	511.4	513.7	519.6	524.3	526.6	527.8
170°	446.9	455.1	461.0	468.0	469.2	472.7	476.2	480.9	482.1	482.1
172.5°	421.1	424.6	428.1	430.5	431.6	432.8	435.2	436.3	436.3	436.3
175°	404.7	407.0	407.0	408.2	408.2	408.2	408.2	408.2	408.2	408.2
177.5°	395.3	395.3	395.3	394.1	394.1	394.1	394.1	392.9	392.9	392.9
180°	392.9	392.9	392.9	392.9	392.9	392.9	392.9	392.9	392.9	392.9

(END OF REPORT)