

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: P395716

Luminaire Tested: **I3-UL-40L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395716
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 (5000K)
Description: CORELITE I3, OPEN TOP
4000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3731.0 lumens
Efficiency: N/A
Efficacy: 130.9 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

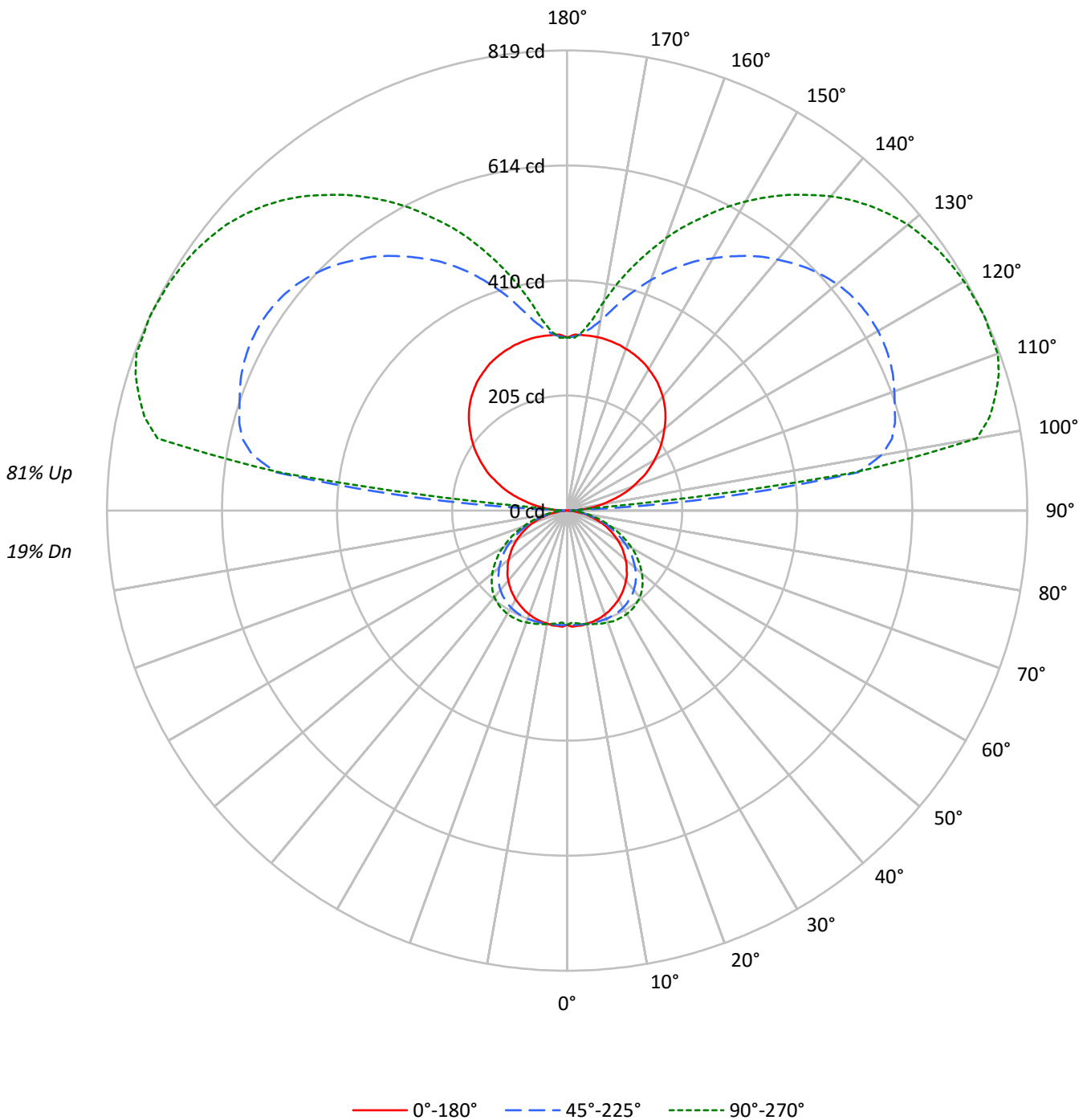
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (5000K)

Luminous Intensity Polar Plot





TEST NUMBER: P395716

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (5000K)

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°	1117	1117	1117
5°	1132	1101	1080
10°	1131	1093	1081
15°	1133	1089	1090
20°	1134	1093	1103
25°	1132	1096	1120
30°	1134	1098	1130
35°	1132	1092	1135
40°	1128	1084	1129
45°	1118	1062	1104
50°	1108	1027	1064
55°	1089	977	1003
60°	1055	907	923
65°	1008	808	823
70°	953	700	695
75°	827	549	556
80°	655	395	403
85°	390	230	265



TEST NUMBER: P395716

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (5000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	0.5
10°-20°	58.0	1.6
20°-30°	93.3	2.5
30°-40°	120.0	3.2
40°-50°	131.8	3.5
50°-60°	123.9	3.3
60°-70°	96.3	2.6
70°-80°	55.2	1.5
80°-90°	17.7	0.5
90°-100°	238.5	6.4
100°-110°	566.8	15.2
110°-120°	569.3	15.3
120°-130°	522.1	14.0
130°-140°	436.6	11.7
140°-150°	327.7	8.8
150°-160°	213.3	5.7
160°-170°	109.9	2.9
170°-180°	31.1	0.8
0°-30°	170.7	4.6
0°-40°	290.7	7.8
0°-60°	546.5	14.6
0°-90°	715.7	19.2
90°-120°	1374.6	36.8
90°-150°	2661.1	71.3
90°-180°	3015.0	80.8
0°-180°	3731.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	203	203	203	203	203	
5°	206	204	204	203	201	20
15°	201	200	205	208	209	57
25°	190	192	203	211	213	88
35°	174	178	193	205	209	109
45°	150	157	173	186	189	116
55°	120	127	141	151	154	107
65°	85	89	98	106	108	84
75°	45	47	52	57	59	48
85°	9	11	15	19	20	11
90°	1	3	6	8	9	3
95°	32	267	274	37	31	32
105°	93	358	604	745	789	98
115°	154	403	634	770	819	151
125°	204	420	637	763	807	182
135°	247	418	609	724	766	191
145°	280	401	554	650	686	175
155°	300	368	481	551	577	138
165°	311	332	390	432	449	88
175°	314	313	316	320	320	30
180°	308	308	308	308	308	



TEST NUMBER: P395716

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	203.2	203.2	203.2	203.2	203.2	203.2	203.2	203.2	203.2	203.2	203.2
2.5°	206.9	206.0	205.0	205.0	204.1	204.1	204.1	203.2	203.2	203.2	204.1
5°	206.0	206.0	205.0	204.1	204.1	204.1	203.2	203.2	203.2	203.2	204.1
7.5°	206.0	205.0	204.1	204.1	203.2	203.2	203.2	203.2	203.2	203.2	204.1
10°	204.1	204.1	203.2	203.2	202.3	203.2	203.2	203.2	203.2	203.2	205.0
12.5°	203.2	203.2	202.3	201.4	201.4	201.4	202.3	202.3	202.3	203.2	205.0
15°	201.4	201.4	200.5	200.5	200.5	200.5	201.4	201.4	202.3	203.2	205.0
17.5°	199.5	199.5	198.6	198.6	198.6	199.5	199.5	200.5	201.4	203.2	205.0
20°	196.8	196.8	196.8	196.8	196.8	197.7	197.7	198.6	200.5	202.3	205.0
22.5°	194.0	194.0	194.0	194.0	194.0	194.9	195.9	197.7	198.6	201.4	204.1
25°	190.3	190.3	190.3	190.3	191.3	192.2	193.1	194.9	196.8	199.5	203.2
27.5°	186.7	187.6	187.6	187.6	188.5	189.4	190.3	192.2	194.9	198.6	201.4
30°	183.0	183.0	183.0	183.9	184.8	185.7	187.6	189.4	192.2	195.9	199.5
32.5°	178.4	178.4	179.3	179.3	181.1	182.1	183.9	186.7	189.4	193.1	196.8
35°	173.8	173.8	173.8	175.6	176.5	178.4	179.3	182.1	185.7	189.4	193.1
37.5°	168.3	169.2	169.2	170.1	171.9	173.8	174.7	178.4	182.1	185.7	189.4
40°	162.8	163.7	163.7	164.6	167.3	168.3	170.1	173.8	176.5	181.1	184.8
42.5°	157.2	157.2	158.2	159.1	161.8	162.8	164.6	168.3	171.9	175.6	179.3
45°	149.9	150.8	151.7	152.6	155.4	157.2	159.1	161.8	165.5	169.2	172.9
47.5°	143.4	143.4	144.4	146.2	149.0	150.8	151.7	155.4	158.2	161.8	165.5
50°	136.1	137.0	137.0	138.8	141.6	143.4	144.4	148.0	150.8	154.5	158.2
52.5°	127.8	128.7	129.6	131.5	134.2	136.1	137.0	139.8	142.5	146.2	149.0
55°	120.5	121.4	121.4	123.2	126.0	126.9	128.7	130.6	134.2	137.0	140.7
57.5°	112.2	113.1	113.1	114.9	116.8	118.6	119.5	122.3	125.1	127.8	130.6
60°	103.0	103.9	104.8	105.7	107.6	109.4	110.3	112.2	114.9	117.7	120.5
62.5°	93.8	94.7	95.6	96.5	98.4	99.3	100.2	103.0	104.8	107.6	109.4
65°	84.6	85.5	86.4	87.4	88.3	89.2	90.1	92.0	93.8	96.5	97.5
67.5°	75.4	76.3	76.3	77.2	78.2	79.1	80.0	81.8	82.8	85.5	86.4
70°	66.2	66.2	66.2	67.1	67.1	68.0	69.0	70.8	71.7	73.6	75.4
72.5°	55.2	56.1	56.1	56.1	57.0	57.9	58.8	59.8	60.7	61.6	63.4
75°	45.1	46.0	45.1	46.0	46.9	46.9	47.8	48.7	49.7	50.6	51.5
77.5°	35.9	34.9	35.9	35.9	36.8	36.8	36.8	37.7	39.5	39.5	41.4
80°	25.7	25.7	25.7	25.7	26.7	26.7	27.6	27.6	29.4	30.3	31.3
82.5°	16.6	16.6	17.5	17.5	17.5	18.4	18.4	19.3	20.2	21.1	22.1
85°	9.2	9.2	9.2	10.1	10.1	11.0	11.0	12.0	12.9	13.8	14.7
87.5°	2.8	3.7	4.6	4.6	5.5	5.5	6.4	6.4	8.3	9.2	10.1
90°	0.9	0.9	1.8	1.8	1.8	2.8	2.8	3.7	3.7	4.6	5.5
92.5°	15.6	36.8	76.3	114.0	98.4	92.0	55.2	16.6	14.7	15.6	15.6
95°	32.2	60.7	111.3	180.2	233.6	266.7	288.7	331.0	374.2	366.9	274.0
97.5°	46.9	78.2	134.2	197.7	271.3	309.0	337.5	388.0	443.2	489.2	522.3
100°	61.6	93.8	153.6	219.8	287.8	321.8	354.9	423.9	478.1	524.1	568.3
102.5°	77.2	109.4	171.0	240.0	307.1	340.2	372.4	433.1	493.8	548.9	592.2
105°	92.9	126.0	186.7	257.5	324.6	357.7	388.9	446.9	503.0	554.5	604.1
107.5°	109.4	140.7	200.5	271.3	338.4	371.5	402.7	460.7	514.9	566.4	611.5
110°	124.1	154.5	214.2	284.1	351.2	384.4	415.6	473.5	526.9	575.6	619.7



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CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	137.9	167.3	227.1	295.2	361.4	394.5	424.8	482.7	536.1	583.9	628.0
115°	153.6	179.3	240.0	305.3	370.6	402.7	433.1	490.1	543.4	590.3	633.5
117.5°	166.4	191.3	251.0	313.5	377.9	409.2	438.6	495.6	548.0	594.9	637.2
120°	179.3	202.3	261.1	320.9	383.4	413.8	443.2	499.3	551.7	597.7	639.1
122.5°	192.2	213.3	269.4	328.3	388.0	418.4	446.9	502.0	553.5	598.6	639.1
125°	204.1	222.5	276.8	333.8	390.8	420.2	447.8	502.0	552.6	596.8	637.2
127.5°	215.2	232.6	282.3	339.3	392.6	421.1	447.8	500.2	550.8	594.0	633.5
130°	226.2	241.8	287.8	342.1	394.5	420.2	446.0	496.5	546.2	589.4	627.1
132.5°	237.2	251.9	292.4	344.8	395.4	420.2	444.1	492.9	540.7	583.0	618.8
135°	247.3	259.3	297.0	346.7	394.5	418.4	440.4	486.4	532.4	573.8	608.7
137.5°	256.5	266.7	300.7	347.6	393.5	415.6	437.7	479.1	522.3	562.7	596.8
140°	264.8	274.0	302.5	347.6	389.9	411.9	432.2	471.7	511.2	549.9	583.0
142.5°	272.2	280.4	305.3	345.7	386.2	407.3	426.6	464.3	500.2	537.0	569.2
145°	279.5	286.0	307.1	344.8	381.6	400.9	419.3	455.2	490.1	523.2	553.5
147.5°	285.0	291.5	309.0	341.1	376.1	393.5	411.0	445.0	477.2	508.5	536.1
150°	290.6	296.1	309.9	337.5	369.6	385.3	400.9	433.1	464.3	492.9	518.6
152.5°	296.1	299.8	312.6	333.8	362.3	377.0	392.6	421.1	449.6	476.3	501.1
155°	299.8	302.5	313.5	330.1	354.9	367.8	380.7	407.3	433.1	457.9	480.9
157.5°	303.4	306.2	314.5	327.3	346.7	358.6	369.6	392.6	416.5	438.6	459.8
160°	306.2	308.0	314.5	325.5	339.3	347.6	357.7	378.8	399.1	418.4	436.8
162.5°	309.0	309.9	314.5	322.7	332.9	338.4	345.7	362.3	380.7	397.2	413.8
165°	310.8	311.7	314.5	320.9	327.3	331.9	335.6	347.6	361.4	376.1	389.9
167.5°	312.6	312.6	314.5	319.1	322.7	325.5	328.3	334.7	343.9	354.9	365.0
170°	313.5	313.5	314.5	317.2	320.0	320.9	322.7	326.4	331.0	336.5	343.0
172.5°	313.5	313.5	313.5	315.4	316.3	316.3	316.3	318.1	320.9	324.6	327.3
175°	313.5	312.6	312.6	313.5	312.6	312.6	312.6	312.6	313.5	315.4	316.3
177.5°	313.5	312.6	311.7	311.7	310.8	310.8	309.9	309.9	309.9	309.9	309.9
180°	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0



TEST NUMBER: P395716

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	203.2	203.2	203.2	203.2	203.2	203.2	203.2	203.2	203.2	203.2
2.5°	204.1	204.1	203.2	202.3	202.3	202.3	201.4	200.5	199.5	199.5
5°	204.1	204.1	203.2	203.2	203.2	203.2	202.3	202.3	201.4	201.4
7.5°	205.0	204.1	204.1	204.1	204.1	204.1	204.1	204.1	203.2	203.2
10°	205.0	205.0	205.0	205.0	205.0	205.0	205.0	205.0	205.0	205.0
12.5°	206.0	206.0	206.0	206.0	206.9	206.9	206.9	206.9	206.9	206.9
15°	206.0	206.9	207.8	207.8	207.8	208.7	208.7	208.7	208.7	208.7
17.5°	206.9	207.8	208.7	208.7	209.6	209.6	210.6	210.6	210.6	210.6
20°	206.9	207.8	208.7	209.6	210.6	210.6	211.5	212.4	212.4	211.5
22.5°	206.0	207.8	208.7	209.6	210.6	211.5	212.4	213.3	213.3	213.3
25°	205.0	206.9	208.7	210.6	210.6	211.5	213.3	213.3	213.3	213.3
27.5°	204.1	206.0	207.8	209.6	210.6	211.5	212.4	213.3	213.3	213.3
30°	202.3	205.0	206.9	208.7	209.6	210.6	211.5	212.4	212.4	212.4
32.5°	199.5	202.3	204.1	206.9	207.8	208.7	209.6	210.6	210.6	210.6
35°	196.8	199.5	201.4	204.1	205.0	206.0	207.8	207.8	208.7	208.7
37.5°	192.2	195.9	197.7	200.5	201.4	202.3	204.1	205.0	205.0	205.0
40°	187.6	191.3	193.1	195.9	196.8	197.7	199.5	200.5	201.4	201.4
42.5°	182.1	185.7	187.6	190.3	191.3	192.2	194.0	194.9	195.9	195.9
45°	176.5	179.3	181.1	183.9	185.7	185.7	187.6	188.5	189.4	189.4
47.5°	169.2	171.9	173.8	176.5	178.4	179.3	180.2	181.1	182.1	182.1
50°	160.9	163.7	166.4	168.3	170.1	170.1	171.9	172.9	173.8	173.8
52.5°	152.6	154.5	157.2	160.0	160.9	161.8	162.8	163.7	164.6	164.6
55°	143.4	145.3	148.0	149.9	150.8	151.7	152.6	153.6	154.5	154.5
57.5°	133.3	135.2	137.9	139.8	140.7	141.6	142.5	143.4	144.4	144.4
60°	122.3	124.1	126.9	128.7	129.6	129.6	131.5	132.4	132.4	132.4
62.5°	111.3	113.1	114.9	116.8	117.7	118.6	119.5	120.5	120.5	120.5
65°	100.2	102.1	103.9	104.8	105.7	105.7	106.7	107.6	108.5	108.5
67.5°	88.3	90.1	92.0	92.9	93.8	93.8	94.7	95.6	95.6	95.6
70°	76.3	77.2	79.1	80.0	80.9	80.9	82.8	82.8	82.8	82.8
72.5°	64.4	65.3	67.1	68.0	69.0	69.0	69.9	70.8	70.8	70.8
75°	53.3	54.3	55.2	57.0	57.0	57.0	57.9	58.8	58.8	58.8
77.5°	42.3	43.2	44.1	45.1	46.0	46.0	46.9	47.8	47.8	47.8
80°	32.2	33.1	34.0	34.9	34.9	35.9	35.9	36.8	36.8	36.8
82.5°	23.0	23.9	24.8	25.7	26.7	26.7	27.6	28.5	28.5	27.6
85°	15.6	17.5	18.4	19.3	19.3	19.3	20.2	21.1	21.1	20.2
87.5°	11.0	11.0	12.0	12.9	12.9	13.8	13.8	14.7	14.7	14.7
90°	6.4	6.4	7.4	7.4	8.3	8.3	8.3	9.2	9.2	9.2
92.5°	15.6	15.6	16.6	16.6	16.6	16.6	17.5	17.5	17.5	17.5
95°	167.3	75.4	63.4	38.6	36.8	32.2	31.3	32.2	32.2	31.3
97.5°	561.8	601.4	626.2	638.1	623.4	607.8	590.3	587.6	563.7	510.3
100°	606.0	637.2	667.6	688.7	697.0	704.3	720.9	731.0	735.6	740.2
102.5°	628.0	661.1	687.8	714.5	725.5	735.6	750.3	762.3	766.9	770.5
105°	647.3	681.3	710.8	734.7	744.8	754.0	768.7	779.7	788.0	788.9
107.5°	651.9	687.8	720.9	750.3	762.3	772.4	789.9	798.1	805.5	805.5
110°	660.2	694.2	724.6	751.2	763.2	775.1	793.5	806.4	813.8	815.6



TEST NUMBER: P395716

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	666.6	701.6	730.1	756.7	766.9	777.9	795.4	807.3	813.8	816.5
115°	672.2	706.2	734.7	759.5	770.5	781.6	799.0	809.2	816.5	819.3
117.5°	675.8	708.9	737.4	760.4	772.4	781.6	798.1	809.2	816.5	817.4
120°	676.8	709.9	737.4	760.4	770.5	780.7	797.2	808.2	815.6	815.6
122.5°	676.8	708.9	736.5	758.6	767.8	777.0	792.6	805.5	811.9	811.9
125°	673.1	705.3	731.9	754.0	763.2	771.5	788.0	800.0	806.4	807.3
127.5°	667.6	698.8	725.5	747.6	756.7	764.1	781.6	792.6	799.0	800.0
130°	660.2	691.5	717.2	738.4	747.6	755.8	770.5	782.5	789.9	791.7
132.5°	651.9	681.3	707.1	727.3	736.5	743.9	758.6	770.5	777.0	779.7
135°	641.8	669.4	694.2	714.5	723.6	731.0	744.8	756.7	763.2	765.9
137.5°	628.9	655.6	679.5	699.7	708.0	715.4	729.2	740.2	745.7	749.4
140°	614.2	639.1	663.9	682.3	690.5	697.9	709.9	721.8	727.3	730.1
142.5°	598.6	623.4	645.5	663.9	671.2	678.6	690.5	701.6	707.1	708.0
145°	582.0	606.0	626.2	643.7	650.1	657.4	668.5	679.5	685.0	685.9
147.5°	563.7	585.7	605.0	621.6	628.9	634.5	644.6	654.7	660.2	661.1
150°	542.5	562.7	580.2	596.8	603.2	608.7	619.7	628.9	634.5	635.4
152.5°	522.3	541.6	556.3	571.0	577.4	583.0	592.2	601.4	606.9	607.8
155°	501.1	518.6	533.3	545.3	550.8	556.3	563.7	571.9	576.5	577.4
157.5°	479.1	495.6	508.5	519.5	525.0	529.6	536.1	543.4	546.2	548.0
160°	455.2	468.9	480.0	491.0	495.6	500.2	506.6	512.2	515.8	516.8
162.5°	429.4	441.4	450.6	460.7	463.4	467.1	473.5	479.1	481.8	482.7
165°	402.7	413.8	422.1	430.3	432.2	434.9	439.5	445.0	446.9	448.7
167.5°	376.1	385.3	390.8	398.1	400.9	402.7	407.3	411.0	412.9	413.8
170°	350.3	356.8	361.4	366.9	367.8	370.6	373.3	377.0	377.9	377.9
172.5°	330.1	332.9	335.6	337.5	338.4	339.3	341.1	342.1	342.1	342.1
175°	317.2	319.1	319.1	320.0	320.0	320.0	320.0	320.0	320.0	320.0
177.5°	309.9	309.9	309.9	309.0	309.0	309.0	309.0	308.0	308.0	308.0
180°	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0	308.0

(END OF REPORT)