

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: P395664

Luminaire Tested: **I3-UL-20L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395664
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-20L92765-1D-UNV-W2A-W-4 (5000K)
Description: CORELITE I3, OPEN TOP
2000 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: 2178.1 lumens
Efficiency: N/A
Efficacy: 131.2 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

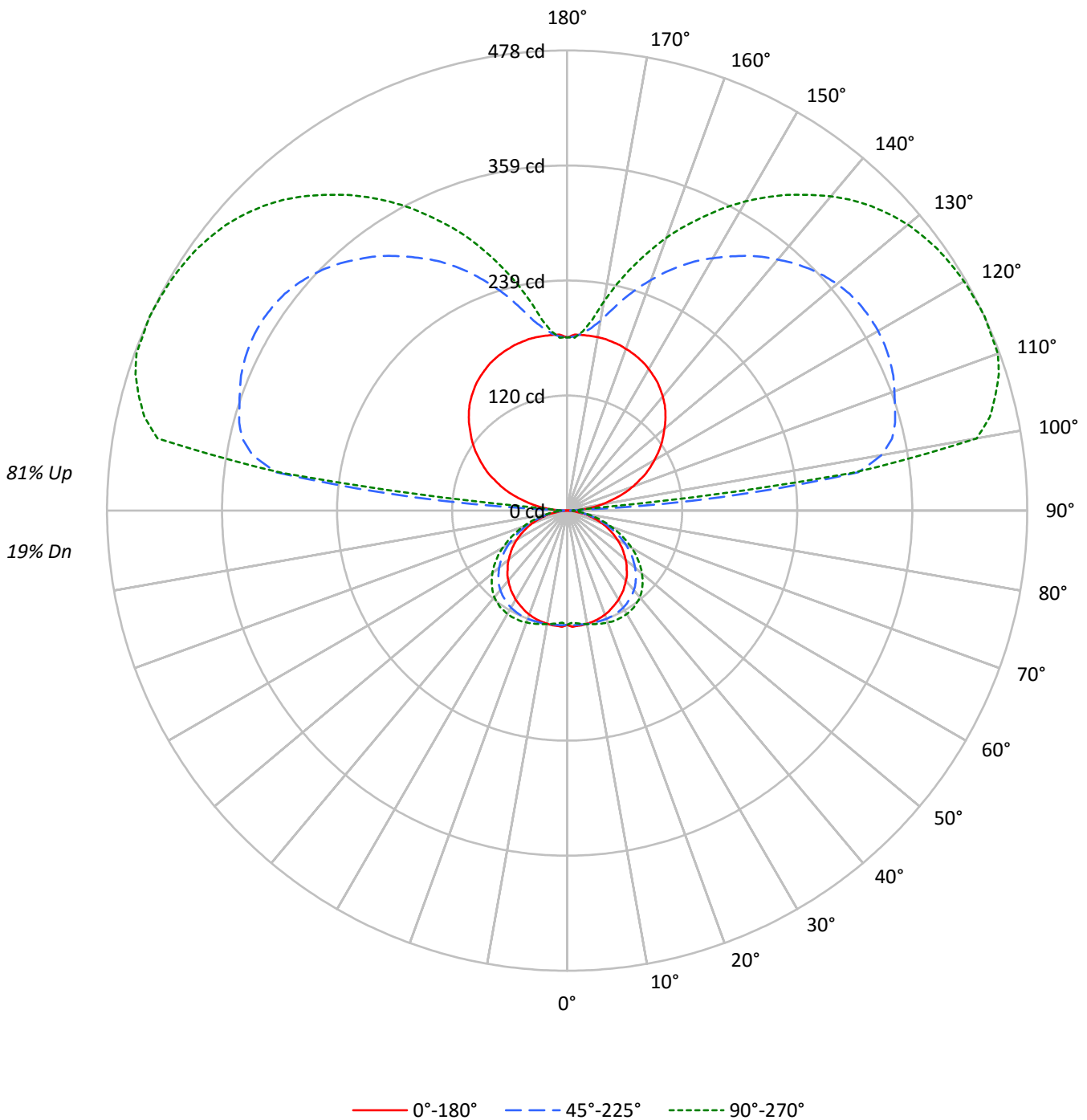
Input Watts (W): 16.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P395664

CATALOG NUMBER: I3-UL-20L92765-1D-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°	652	652	652
5°	661	643	630
10°	660	638	631
15°	662	636	637
20°	662	638	644
25°	661	640	653
30°	662	641	660
35°	661	638	663
40°	658	633	659
45°	652	620	645
50°	646	599	621
55°	635	570	586
60°	615	529	539
65°	589	471	480
70°	555	409	405
75°	482	321	326
80°	382	231	235
85°	229	134	155



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.4	0.5
10°-20°	33.8	1.6
20°-30°	54.5	2.5
30°-40°	70.1	3.2
40°-50°	77.0	3.5
50°-60°	72.3	3.3
60°-70°	56.2	2.6
70°-80°	32.2	1.5
80°-90°	10.3	0.5
90°-100°	139.2	6.4
100°-110°	330.9	15.2
110°-120°	332.4	15.3
120°-130°	304.8	14.0
130°-140°	254.9	11.7
140°-150°	191.3	8.8
150°-160°	124.5	5.7
160°-170°	64.1	2.9
170°-180°	18.1	0.8
0°-30°	99.7	4.6
0°-40°	169.7	7.8
0°-60°	319.0	14.6
0°-90°	417.8	19.2
90°-120°	802.5	36.8
90°-150°	1553.5	71.3
90°-180°	1760.0	80.8
0°-180°	2178.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	119	119	119	119	119	
5°	120	119	119	119	118	11
15°	118	117	120	121	122	33
25°	111	112	119	123	124	51
35°	102	104	113	120	122	63
45°	88	92	101	108	111	68
55°	70	74	82	88	90	63
65°	49	52	57	62	63	49
75°	26	27	30	33	34	28
85°	5	6	9	11	12	6
90°	0	2	3	5	5	2
95°	19	156	160	22	18	19
105°	54	209	353	435	461	57
115°	90	235	370	450	478	88
125°	119	245	372	446	471	106
135°	144	244	355	422	447	111
145°	163	234	323	380	400	102
155°	175	215	281	322	337	81
165°	181	194	228	252	262	51
175°	183	182	185	187	187	17
180°	180	180	180	180	180	



TEST NUMBER: P395664

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6
2.5°	120.8	120.2	119.7	119.7	119.2	119.2	119.2	118.6	118.6	118.6	119.2
5°	120.2	120.2	119.7	119.2	119.2	119.2	118.6	118.6	118.6	118.6	119.2
7.5°	120.2	119.7	119.2	119.2	118.6	118.6	118.6	118.6	118.6	118.6	119.2
10°	119.2	119.2	118.6	118.6	118.1	118.6	118.6	118.6	118.6	118.6	119.7
12.5°	118.6	118.6	118.1	117.6	117.6	117.6	118.1	118.1	118.1	118.6	119.7
15°	117.6	117.6	117.0	117.0	117.0	117.0	117.6	117.6	118.1	118.6	119.7
17.5°	116.5	116.5	115.9	115.9	115.9	116.5	116.5	117.0	117.6	118.6	119.7
20°	114.9	114.9	114.9	114.9	114.9	115.4	115.4	115.9	117.0	118.1	119.7
22.5°	113.3	113.3	113.3	113.3	113.3	113.8	114.3	115.4	115.9	117.6	119.2
25°	111.1	111.1	111.1	111.1	111.7	112.2	112.7	113.8	114.9	116.5	118.6
27.5°	109.0	109.5	109.5	109.5	110.0	110.6	111.1	112.2	113.8	115.9	117.6
30°	106.8	106.8	106.8	107.4	107.9	108.4	109.5	110.6	112.2	114.3	116.5
32.5°	104.1	104.1	104.7	104.7	105.7	106.3	107.4	109.0	110.6	112.7	114.9
35°	101.5	101.5	101.5	102.5	103.1	104.1	104.7	106.3	108.4	110.6	112.7
37.5°	98.2	98.8	98.8	99.3	100.4	101.5	102.0	104.1	106.3	108.4	110.6
40°	95.0	95.5	95.5	96.1	97.7	98.2	99.3	101.5	103.1	105.7	107.9
42.5°	91.8	91.8	92.3	92.9	94.5	95.0	96.1	98.2	100.4	102.5	104.7
45°	87.5	88.0	88.6	89.1	90.7	91.8	92.9	94.5	96.6	98.8	100.9
47.5°	83.7	83.7	84.3	85.3	87.0	88.0	88.6	90.7	92.3	94.5	96.6
50°	79.4	80.0	80.0	81.1	82.7	83.7	84.3	86.4	88.0	90.2	92.3
52.5°	74.6	75.1	75.7	76.8	78.4	79.4	80.0	81.6	83.2	85.3	87.0
55°	70.3	70.9	70.9	71.9	73.5	74.1	75.1	76.2	78.4	80.0	82.1
57.5°	65.5	66.0	66.0	67.1	68.2	69.2	69.8	71.4	73.0	74.6	76.2
60°	60.1	60.7	61.2	61.7	62.8	63.9	64.4	65.5	67.1	68.7	70.3
62.5°	54.8	55.3	55.8	56.4	57.4	58.0	58.5	60.1	61.2	62.8	63.9
65°	49.4	49.9	50.5	51.0	51.5	52.1	52.6	53.7	54.8	56.4	56.9
67.5°	44.0	44.6	44.6	45.1	45.6	46.2	46.7	47.8	48.3	49.9	50.5
70°	38.6	38.6	38.6	39.2	39.2	39.7	40.3	41.3	41.9	42.9	44.0
72.5°	32.2	32.7	32.7	32.7	33.3	33.8	34.4	34.9	35.4	36.0	37.0
75°	26.3	26.8	26.3	26.8	27.4	27.4	27.9	28.4	29.0	29.5	30.1
77.5°	20.9	20.4	20.9	20.9	21.5	21.5	21.5	22.0	23.1	23.1	24.2
80°	15.0	15.0	15.0	15.0	15.6	15.6	16.1	16.1	17.2	17.7	18.3
82.5°	9.7	9.7	10.2	10.2	10.2	10.7	10.7	11.3	11.8	12.3	12.9
85°	5.4	5.4	5.4	5.9	5.9	6.4	6.4	7.0	7.5	8.1	8.6
87.5°	1.6	2.1	2.7	2.7	3.2	3.2	3.8	3.8	4.8	5.4	5.9
90°	0.5	0.5	1.1	1.1	1.1	1.6	1.6	2.1	2.1	2.7	3.2
92.5°	9.1	21.5	44.6	66.6	57.4	53.7	32.2	9.7	8.6	9.1	9.1
95°	18.8	35.4	65.0	105.2	136.3	155.7	168.6	193.2	218.5	214.2	160.0
97.5°	27.4	45.6	78.4	115.4	158.4	180.4	197.0	226.5	258.7	285.6	304.9
100°	36.0	54.8	89.6	128.3	168.0	187.9	207.2	247.5	279.1	306.0	331.7
102.5°	45.1	63.9	99.8	140.1	179.3	198.6	217.4	252.8	288.3	320.5	345.7
105°	54.2	73.5	109.0	150.3	189.5	208.8	227.1	260.9	293.6	323.7	352.7
107.5°	63.9	82.1	117.0	158.4	197.5	216.9	235.1	268.9	300.6	330.7	357.0
110°	72.5	90.2	125.1	165.9	205.1	224.4	242.6	276.4	307.6	336.0	361.8



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CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	80.5	97.7	132.6	172.3	211.0	230.3	248.0	281.8	312.9	340.9	366.6
115°	89.6	104.7	140.1	178.2	216.3	235.1	252.8	286.1	317.2	344.6	369.8
117.5°	97.2	111.7	146.5	183.0	220.6	238.9	256.0	289.3	319.9	347.3	372.0
120°	104.7	118.1	152.4	187.3	223.8	241.6	258.7	291.5	322.1	348.9	373.1
122.5°	112.2	124.5	157.3	191.6	226.5	244.2	260.9	293.1	323.1	349.4	373.1
125°	119.2	129.9	161.6	194.9	228.1	245.3	261.4	293.1	322.6	348.4	372.0
127.5°	125.6	135.8	164.8	198.1	229.2	245.8	261.4	292.0	321.5	346.8	369.8
130°	132.0	141.2	168.0	199.7	230.3	245.3	260.3	289.9	318.9	344.1	366.1
132.5°	138.5	147.1	170.7	201.3	230.8	245.3	259.3	287.7	315.6	340.3	361.3
135°	144.4	151.4	173.4	202.4	230.3	244.2	257.1	284.0	310.8	335.0	355.4
137.5°	149.8	155.7	175.5	202.9	229.7	242.6	255.5	279.7	304.9	328.5	348.4
140°	154.6	160.0	176.6	202.9	227.6	240.5	252.3	275.4	298.5	321.0	340.3
142.5°	158.9	163.7	178.2	201.8	225.4	237.8	249.1	271.1	292.0	313.5	332.3
145°	163.2	166.9	179.3	201.3	222.8	234.0	244.8	265.7	286.1	305.4	323.1
147.5°	166.4	170.2	180.4	199.1	219.5	229.7	239.9	259.8	278.6	296.8	312.9
150°	169.6	172.8	180.9	197.0	215.8	224.9	234.0	252.8	271.1	287.7	302.7
152.5°	172.8	175.0	182.5	194.9	211.5	220.1	229.2	245.8	262.5	278.1	292.5
155°	175.0	176.6	183.0	192.7	207.2	214.7	222.2	237.8	252.8	267.3	280.7
157.5°	177.1	178.7	183.6	191.1	202.4	209.3	215.8	229.2	243.2	256.0	268.4
160°	178.7	179.8	183.6	190.0	198.1	202.9	208.8	221.2	233.0	244.2	255.0
162.5°	180.4	180.9	183.6	188.4	194.3	197.5	201.8	211.5	222.2	231.9	241.6
165°	181.4	182.0	183.6	187.3	191.1	193.8	195.9	202.9	211.0	219.5	227.6
167.5°	182.5	182.5	183.6	186.3	188.4	190.0	191.6	195.4	200.8	207.2	213.1
170°	183.0	183.0	183.6	185.2	186.8	187.3	188.4	190.6	193.2	196.5	200.2
172.5°	183.0	183.0	183.0	184.1	184.7	184.7	184.7	185.7	187.3	189.5	191.1
175°	183.0	182.5	182.5	183.0	182.5	182.5	182.5	182.5	183.0	184.1	184.7
177.5°	183.0	182.5	182.0	182.0	181.4	181.4	180.9	180.9	180.9	180.9	180.9
180°	179.8	179.8	179.8	179.8	179.8	179.8	179.8	179.8	179.8	179.8	179.8



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CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6
2.5°	119.2	119.2	118.6	118.1	118.1	118.1	117.6	117.0	116.5	116.5
5°	119.2	119.2	118.6	118.6	118.6	118.6	118.1	118.1	117.6	117.6
7.5°	119.7	119.2	119.2	119.2	119.2	119.2	119.2	119.2	118.6	118.6
10°	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7
12.5°	120.2	120.2	120.2	120.2	120.8	120.8	120.8	120.8	120.8	120.8
15°	120.2	120.8	121.3	121.3	121.3	121.9	121.9	121.9	121.9	121.9
17.5°	120.8	121.3	121.9	121.9	122.4	122.4	122.9	122.9	122.9	122.9
20°	120.8	121.3	121.9	122.4	122.9	122.9	123.5	124.0	124.0	123.5
22.5°	120.2	121.3	121.9	122.4	122.9	123.5	124.0	124.5	124.5	124.5
25°	119.7	120.8	121.9	122.9	122.9	123.5	124.5	124.5	124.5	124.5
27.5°	119.2	120.2	121.3	122.4	122.9	123.5	124.0	124.5	124.5	124.5
30°	118.1	119.7	120.8	121.9	122.4	122.9	123.5	124.0	124.0	124.0
32.5°	116.5	118.1	119.2	120.8	121.3	121.9	122.4	122.9	122.9	122.9
35°	114.9	116.5	117.6	119.2	119.7	120.2	121.3	121.3	121.9	121.9
37.5°	112.2	114.3	115.4	117.0	117.6	118.1	119.2	119.7	119.7	119.7
40°	109.5	111.7	112.7	114.3	114.9	115.4	116.5	117.0	117.6	117.6
42.5°	106.3	108.4	109.5	111.1	111.7	112.2	113.3	113.8	114.3	114.3
45°	103.1	104.7	105.7	107.4	108.4	108.4	109.5	110.0	110.6	110.6
47.5°	98.8	100.4	101.5	103.1	104.1	104.7	105.2	105.7	106.3	106.3
50°	93.9	95.5	97.2	98.2	99.3	99.3	100.4	100.9	101.5	101.5
52.5°	89.1	90.2	91.8	93.4	93.9	94.5	95.0	95.5	96.1	96.1
55°	83.7	84.8	86.4	87.5	88.0	88.6	89.1	89.6	90.2	90.2
57.5°	77.8	78.9	80.5	81.6	82.1	82.7	83.2	83.7	84.3	84.3
60°	71.4	72.5	74.1	75.1	75.7	75.7	76.8	77.3	77.3	77.3
62.5°	65.0	66.0	67.1	68.2	68.7	69.2	69.8	70.3	70.3	70.3
65°	58.5	59.6	60.7	61.2	61.7	61.7	62.3	62.8	63.3	63.3
67.5°	51.5	52.6	53.7	54.2	54.8	54.8	55.3	55.8	55.8	55.8
70°	44.6	45.1	46.2	46.7	47.2	47.2	48.3	48.3	48.3	48.3
72.5°	37.6	38.1	39.2	39.7	40.3	40.3	40.8	41.3	41.3	41.3
75°	31.1	31.7	32.2	33.3	33.3	33.3	33.8	34.4	34.4	34.4
77.5°	24.7	25.2	25.8	26.3	26.8	26.8	27.4	27.9	27.9	27.9
80°	18.8	19.3	19.9	20.4	20.4	20.9	20.9	21.5	21.5	21.5
82.5°	13.4	14.0	14.5	15.0	15.6	15.6	16.1	16.6	16.6	16.6
85°	9.1	10.2	10.7	11.3	11.3	11.3	11.8	12.3	12.3	11.8
87.5°	6.4	6.4	7.0	7.5	7.5	8.1	8.1	8.6	8.6	8.6
90°	3.8	3.8	4.3	4.3	4.8	4.8	4.8	5.4	5.4	5.4
92.5°	9.1	9.1	9.7	9.7	9.7	9.7	10.2	10.2	10.2	10.2
95°	97.7	44.0	37.0	22.5	21.5	18.8	18.3	18.8	18.8	18.3
97.5°	328.0	351.1	365.6	372.5	363.9	354.8	344.6	343.0	329.0	297.9
100°	353.7	372.0	389.7	402.1	406.9	411.2	420.8	426.7	429.4	432.1
102.5°	366.6	385.9	401.5	417.1	423.5	429.4	438.0	445.0	447.7	449.8
105°	377.9	397.8	414.9	428.9	434.8	440.2	448.8	455.2	460.0	460.6
107.5°	380.6	401.5	420.8	438.0	445.0	450.9	461.1	465.9	470.2	470.2
110°	385.4	405.3	423.0	438.6	445.5	452.5	463.2	470.8	475.1	476.1



TEST NUMBER: P395664

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	389.2	409.6	426.2	441.8	447.7	454.1	464.3	471.3	475.1	476.7
115°	392.4	412.3	428.9	443.4	449.8	456.3	466.5	472.4	476.7	478.3
117.5°	394.5	413.9	430.5	443.9	450.9	456.3	465.9	472.4	476.7	477.2
120°	395.1	414.4	430.5	443.9	449.8	455.7	465.4	471.8	476.1	476.1
122.5°	395.1	413.9	430.0	442.8	448.2	453.6	462.7	470.2	474.0	474.0
125°	392.9	411.7	427.3	440.2	445.5	450.4	460.0	467.0	470.8	471.3
127.5°	389.7	408.0	423.5	436.4	441.8	446.1	456.3	462.7	466.5	467.0
130°	385.4	403.7	418.7	431.0	436.4	441.2	449.8	456.8	461.1	462.2
132.5°	380.6	397.8	412.8	424.6	430.0	434.3	442.8	449.8	453.6	455.2
135°	374.7	390.8	405.3	417.1	422.5	426.7	434.8	441.8	445.5	447.1
137.5°	367.2	382.7	396.7	408.5	413.3	417.6	425.7	432.1	435.3	437.5
140°	358.6	373.1	387.6	398.3	403.1	407.4	414.4	421.4	424.6	426.2
142.5°	349.4	363.9	376.8	387.6	391.9	396.1	403.1	409.6	412.8	413.3
145°	339.8	353.7	365.6	375.7	379.5	383.8	390.2	396.7	399.9	400.4
147.5°	329.0	341.9	353.2	362.9	367.2	370.4	376.3	382.2	385.4	385.9
150°	316.7	328.5	338.7	348.4	352.1	355.4	361.8	367.2	370.4	370.9
152.5°	304.9	316.2	324.8	333.3	337.1	340.3	345.7	351.1	354.3	354.8
155°	292.5	302.7	311.3	318.3	321.5	324.8	329.0	333.9	336.6	337.1
157.5°	279.7	289.3	296.8	303.3	306.5	309.2	312.9	317.2	318.9	319.9
160°	265.7	273.8	280.2	286.6	289.3	292.0	295.8	299.0	301.1	301.7
162.5°	250.7	257.7	263.0	268.9	270.5	272.7	276.4	279.7	281.3	281.8
165°	235.1	241.6	246.4	251.2	252.3	253.9	256.6	259.8	260.9	262.0
167.5°	219.5	224.9	228.1	232.4	234.0	235.1	237.8	239.9	241.0	241.6
170°	204.5	208.3	211.0	214.2	214.7	216.3	217.9	220.1	220.6	220.6
172.5°	192.7	194.3	195.9	197.0	197.5	198.1	199.1	199.7	199.7	199.7
175°	185.2	186.3	186.3	186.8	186.8	186.8	186.8	186.8	186.8	186.8
177.5°	180.9	180.9	180.9	180.4	180.4	180.4	180.4	179.8	179.8	179.8
180°	179.8	179.8	179.8	179.8	179.8	179.8	179.8	179.8	179.8	179.8

(END OF REPORT)