

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: P395662

Luminaire Tested: **I3-UL-20L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395662
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 (4000K)
Description: CORELITE I3, OPEN TOP
2000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2081.4 lumens
Efficiency: N/A
Efficacy: 126.9 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

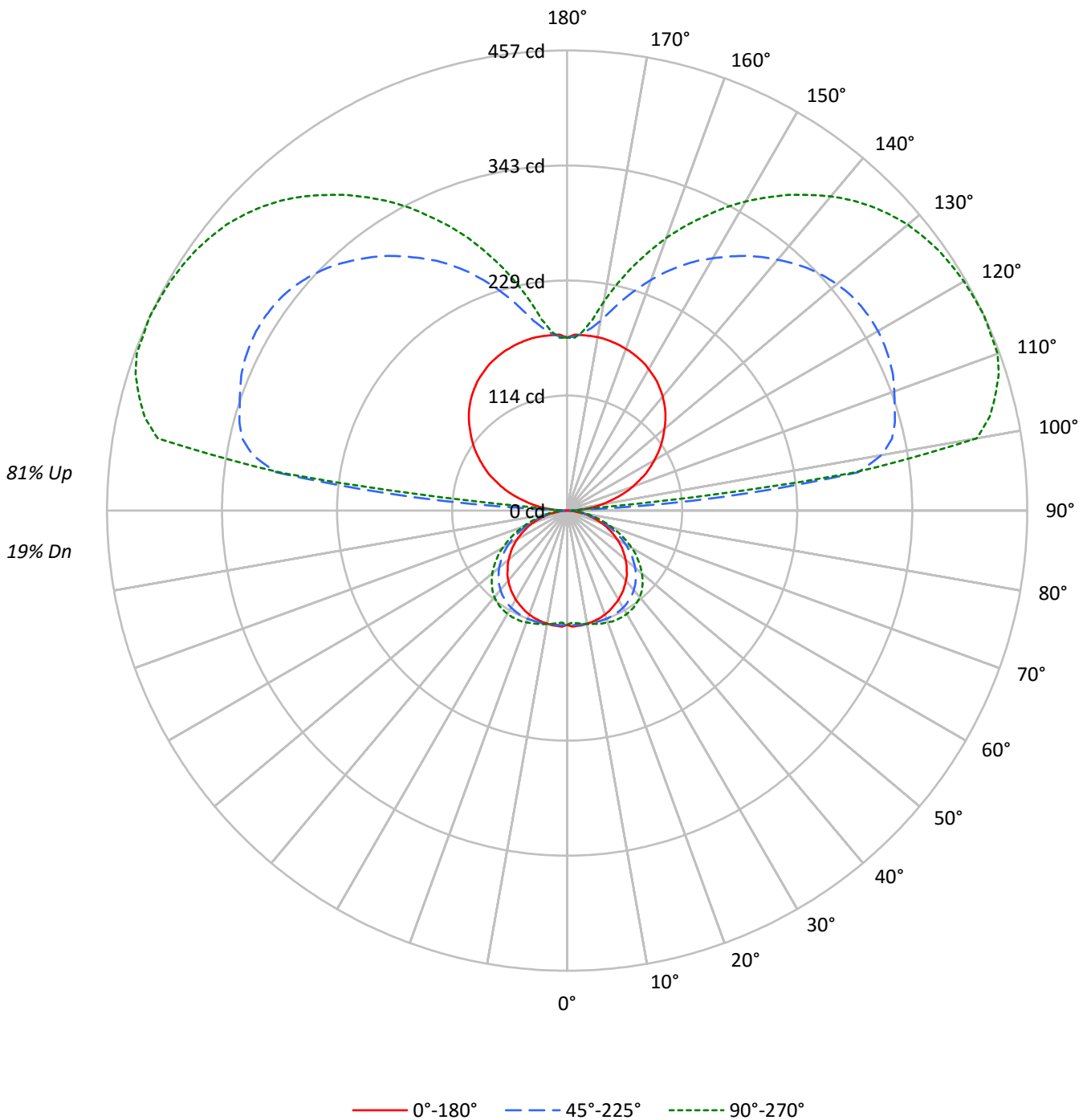
Input Watts (W): 16.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	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°	623	623	623
5°	632	614	602
10°	631	610	603
15°	632	608	608
20°	632	610	616
25°	632	612	625
30°	632	612	631
35°	632	609	633
40°	629	605	630
45°	623	592	616
50°	618	573	594
55°	607	545	560
60°	589	506	515
65°	563	451	459
70°	531	391	388
75°	460	306	310
80°	367	220	224
85°	216	128	148



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	0.5
10°-20°	32.3	1.6
20°-30°	52.0	2.5
30°-40°	67.0	3.2
40°-50°	73.5	3.5
50°-60°	69.1	3.3
60°-70°	53.7	2.6
70°-80°	30.8	1.5
80°-90°	9.9	0.5
90°-100°	133.1	6.4
100°-110°	316.2	15.2
110°-120°	317.6	15.3
120°-130°	291.3	14.0
130°-140°	243.6	11.7
140°-150°	182.8	8.8
150°-160°	119.0	5.7
160°-170°	61.3	2.9
170°-180°	17.3	0.8
0°-30°	95.2	4.6
0°-40°	162.2	7.8
0°-60°	304.9	14.6
0°-90°	399.3	19.2
90°-120°	766.9	36.8
90°-150°	1484.5	71.3
90°-180°	1682.0	80.8
0°-180°	2081.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	113	113	113	113	113	
5°	115	114	114	113	112	11
15°	112	112	114	116	116	32
25°	106	107	113	118	119	49
35°	97	100	108	114	116	61
45°	84	88	96	104	106	65
55°	67	71	78	84	86	60
65°	47	50	54	59	60	47
75°	25	26	29	32	33	27
85°	5	6	8	11	11	6
90°	0	2	3	5	5	2
95°	18	149	153	20	17	18
105°	52	200	337	416	440	55
115°	86	225	353	430	457	84
125°	114	234	356	426	450	102
135°	138	233	340	404	427	106
145°	156	224	309	363	383	97
155°	167	205	268	307	322	77
165°	173	185	218	241	250	49
175°	175	174	176	178	178	17
180°	172	172	172	172	172	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	113.4	113.4	113.4	113.4	113.4	113.4	113.4	113.4	113.4	113.4	113.4
2.5°	115.4	114.9	114.4	114.4	113.9	113.9	113.9	113.4	113.4	113.4	113.9
5°	114.9	114.9	114.4	113.9	113.9	113.9	113.4	113.4	113.4	113.4	113.9
7.5°	114.9	114.4	113.9	113.9	113.4	113.4	113.4	113.4	113.4	113.4	113.9
10°	113.9	113.9	113.4	113.4	112.9	113.4	113.4	113.4	113.4	113.4	114.4
12.5°	113.4	113.4	112.9	112.3	112.3	112.3	112.9	112.9	112.9	113.4	114.4
15°	112.3	112.3	111.8	111.8	111.8	111.8	112.3	112.3	112.9	113.4	114.4
17.5°	111.3	111.3	110.8	110.8	110.8	111.3	111.3	111.8	112.3	113.4	114.4
20°	109.8	109.8	109.8	109.8	109.8	110.3	110.3	110.8	111.8	112.9	114.4
22.5°	108.2	108.2	108.2	108.2	108.2	108.7	109.3	110.3	110.8	112.3	113.9
25°	106.2	106.2	106.2	106.2	106.7	107.2	107.7	108.7	109.8	111.3	113.4
27.5°	104.1	104.6	104.6	104.6	105.2	105.7	106.2	107.2	108.7	110.8	112.3
30°	102.1	102.1	102.1	102.6	103.1	103.6	104.6	105.7	107.2	109.3	111.3
32.5°	99.5	99.5	100.0	100.0	101.1	101.6	102.6	104.1	105.7	107.7	109.8
35°	97.0	97.0	97.0	98.0	98.5	99.5	100.0	101.6	103.6	105.7	107.7
37.5°	93.9	94.4	94.4	94.9	95.9	97.0	97.5	99.5	101.6	103.6	105.7
40°	90.8	91.3	91.3	91.8	93.4	93.9	94.9	97.0	98.5	101.1	103.1
42.5°	87.7	87.7	88.2	88.7	90.3	90.8	91.8	93.9	95.9	98.0	100.0
45°	83.6	84.1	84.6	85.2	86.7	87.7	88.7	90.3	92.3	94.4	96.4
47.5°	80.0	80.0	80.5	81.6	83.1	84.1	84.6	86.7	88.2	90.3	92.3
50°	75.9	76.4	76.4	77.5	79.0	80.0	80.5	82.6	84.1	86.2	88.2
52.5°	71.3	71.8	72.3	73.4	74.9	75.9	76.4	78.0	79.5	81.6	83.1
55°	67.2	67.7	67.7	68.7	70.3	70.8	71.8	72.8	74.9	76.4	78.5
57.5°	62.6	63.1	63.1	64.1	65.1	66.2	66.7	68.2	69.8	71.3	72.8
60°	57.5	58.0	58.5	59.0	60.0	61.0	61.6	62.6	64.1	65.7	67.2
62.5°	52.3	52.8	53.3	53.9	54.9	55.4	55.9	57.5	58.5	60.0	61.0
65°	47.2	47.7	48.2	48.7	49.2	49.8	50.3	51.3	52.3	53.9	54.4
67.5°	42.1	42.6	42.6	43.1	43.6	44.1	44.6	45.7	46.2	47.7	48.2
70°	36.9	36.9	36.9	37.4	37.4	38.0	38.5	39.5	40.0	41.0	42.1
72.5°	30.8	31.3	31.3	31.3	31.8	32.3	32.8	33.3	33.9	34.4	35.4
75°	25.1	25.6	25.1	25.6	26.2	26.2	26.7	27.2	27.7	28.2	28.7
77.5°	20.0	19.5	20.0	20.0	20.5	20.5	20.5	21.0	22.1	22.1	23.1
80°	14.4	14.4	14.4	14.4	14.9	14.9	15.4	15.4	16.4	16.9	17.4
82.5°	9.2	9.2	9.7	9.7	9.7	10.3	10.3	10.8	11.3	11.8	12.3
85°	5.1	5.1	5.1	5.6	5.6	6.2	6.2	6.7	7.2	7.7	8.2
87.5°	1.5	2.1	2.6	2.6	3.1	3.1	3.6	3.6	4.6	5.1	5.6
90°	0.5	0.5	1.0	1.0	1.0	1.5	1.5	2.1	2.1	2.6	3.1
92.5°	8.7	20.5	42.6	63.6	54.9	51.3	30.8	9.2	8.2	8.7	8.7
95°	18.0	33.9	62.1	100.5	130.3	148.8	161.1	184.7	208.8	204.7	152.9
97.5°	26.2	43.6	74.9	110.3	151.3	172.4	188.3	216.5	247.3	272.9	291.4
100°	34.4	52.3	85.7	122.6	160.6	179.5	198.0	236.5	266.7	292.4	317.0
102.5°	43.1	61.0	95.4	133.9	171.3	189.8	207.8	241.6	275.5	306.2	330.4
105°	51.8	70.3	104.1	143.6	181.1	199.5	217.0	249.3	280.6	309.3	337.0
107.5°	61.0	78.5	111.8	151.3	188.8	207.2	224.7	257.0	287.3	316.0	341.1
110°	69.3	86.2	119.5	158.5	196.0	214.4	231.9	264.2	293.9	321.1	345.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	76.9	93.4	126.7	164.7	201.6	220.1	237.0	269.3	299.1	325.7	350.4
115°	85.7	100.0	133.9	170.3	206.7	224.7	241.6	273.4	303.2	329.3	353.4
117.5°	92.8	106.7	140.0	174.9	210.8	228.3	244.7	276.5	305.7	331.9	355.5
120°	100.0	112.9	145.7	179.0	213.9	230.8	247.3	278.5	307.8	333.4	356.5
122.5°	107.2	119.0	150.3	183.1	216.5	233.4	249.3	280.1	308.8	333.9	356.5
125°	113.9	124.1	154.4	186.2	218.0	234.4	249.8	280.1	308.3	332.9	355.5
127.5°	120.0	129.8	157.5	189.3	219.0	234.9	249.8	279.1	307.3	331.4	353.4
130°	126.2	134.9	160.6	190.8	220.1	234.4	248.8	277.0	304.7	328.8	349.8
132.5°	132.3	140.6	163.1	192.4	220.6	234.4	247.8	275.0	301.6	325.2	345.2
135°	138.0	144.7	165.7	193.4	220.1	233.4	245.7	271.4	297.0	320.1	339.6
137.5°	143.1	148.8	167.7	193.9	219.5	231.9	244.2	267.3	291.4	313.9	332.9
140°	147.7	152.9	168.8	193.9	217.5	229.8	241.1	263.2	285.2	306.8	325.2
142.5°	151.8	156.5	170.3	192.9	215.4	227.2	238.0	259.0	279.1	299.6	317.5
145°	155.9	159.5	171.3	192.4	212.9	223.7	233.9	253.9	273.4	291.9	308.8
147.5°	159.0	162.6	172.4	190.3	209.8	219.5	229.3	248.3	266.2	283.7	299.1
150°	162.1	165.2	172.9	188.3	206.2	214.9	223.7	241.6	259.0	275.0	289.3
152.5°	165.2	167.2	174.4	186.2	202.1	210.3	219.0	234.9	250.8	265.7	279.6
155°	167.2	168.8	174.9	184.2	198.0	205.2	212.4	227.2	241.6	255.5	268.3
157.5°	169.3	170.8	175.4	182.6	193.4	200.1	206.2	219.0	232.4	244.7	256.5
160°	170.8	171.8	175.4	181.6	189.3	193.9	199.5	211.3	222.6	233.4	243.7
162.5°	172.4	172.9	175.4	180.1	185.7	188.8	192.9	202.1	212.4	221.6	230.8
165°	173.4	173.9	175.4	179.0	182.6	185.2	187.2	193.9	201.6	209.8	217.5
167.5°	174.4	174.4	175.4	178.0	180.1	181.6	183.1	186.7	191.8	198.0	203.6
170°	174.9	174.9	175.4	177.0	178.5	179.0	180.1	182.1	184.7	187.7	191.3
172.5°	174.9	174.9	174.9	175.9	176.5	176.5	176.5	177.5	179.0	181.1	182.6
175°	174.9	174.4	174.4	174.9	174.4	174.4	174.4	174.4	174.9	175.9	176.5
177.5°	174.9	174.4	173.9	173.9	173.4	173.4	172.9	172.9	172.9	172.9	172.9
180°	171.8	171.8	171.8	171.8	171.8	171.8	171.8	171.8	171.8	171.8	171.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	113.4	113.4	113.4	113.4	113.4	113.4	113.4	113.4	113.4	113.4
2.5°	113.9	113.9	113.4	112.9	112.9	112.9	112.3	111.8	111.3	111.3
5°	113.9	113.9	113.4	113.4	113.4	113.4	112.9	112.9	112.3	112.3
7.5°	114.4	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.4	113.4
10°	114.4	114.4	114.4	114.4	114.4	114.4	114.4	114.4	114.4	114.4
12.5°	114.9	114.9	114.9	114.9	115.4	115.4	115.4	115.4	115.4	115.4
15°	114.9	115.4	115.9	115.9	115.9	116.4	116.4	116.4	116.4	116.4
17.5°	115.4	115.9	116.4	116.4	117.0	117.0	117.5	117.5	117.5	117.5
20°	115.4	115.9	116.4	117.0	117.5	117.5	118.0	118.5	118.5	118.0
22.5°	114.9	115.9	116.4	117.0	117.5	118.0	118.5	119.0	119.0	119.0
25°	114.4	115.4	116.4	117.5	117.5	118.0	119.0	119.0	119.0	119.0
27.5°	113.9	114.9	115.9	117.0	117.5	118.0	118.5	119.0	119.0	119.0
30°	112.9	114.4	115.4	116.4	117.0	117.5	118.0	118.5	118.5	118.5
32.5°	111.3	112.9	113.9	115.4	115.9	116.4	117.0	117.5	117.5	117.5
35°	109.8	111.3	112.3	113.9	114.4	114.9	115.9	115.9	116.4	116.4
37.5°	107.2	109.3	110.3	111.8	112.3	112.9	113.9	114.4	114.4	114.4
40°	104.6	106.7	107.7	109.3	109.8	110.3	111.3	111.8	112.3	112.3
42.5°	101.6	103.6	104.6	106.2	106.7	107.2	108.2	108.7	109.3	109.3
45°	98.5	100.0	101.1	102.6	103.6	103.6	104.6	105.2	105.7	105.7
47.5°	94.4	95.9	97.0	98.5	99.5	100.0	100.5	101.1	101.6	101.6
50°	89.8	91.3	92.8	93.9	94.9	94.9	95.9	96.4	97.0	97.0
52.5°	85.2	86.2	87.7	89.3	89.8	90.3	90.8	91.3	91.8	91.8
55°	80.0	81.0	82.6	83.6	84.1	84.6	85.2	85.7	86.2	86.2
57.5°	74.4	75.4	76.9	78.0	78.5	79.0	79.5	80.0	80.5	80.5
60°	68.2	69.3	70.8	71.8	72.3	72.3	73.4	73.9	73.9	73.9
62.5°	62.1	63.1	64.1	65.1	65.7	66.2	66.7	67.2	67.2	67.2
65°	55.9	56.9	58.0	58.5	59.0	59.0	59.5	60.0	60.5	60.5
67.5°	49.2	50.3	51.3	51.8	52.3	52.3	52.8	53.3	53.3	53.3
70°	42.6	43.1	44.1	44.6	45.1	45.1	46.2	46.2	46.2	46.2
72.5°	35.9	36.4	37.4	38.0	38.5	38.5	39.0	39.5	39.5	39.5
75°	29.8	30.3	30.8	31.8	31.8	31.8	32.3	32.8	32.8	32.8
77.5°	23.6	24.1	24.6	25.1	25.6	25.6	26.2	26.7	26.7	26.7
80°	18.0	18.5	19.0	19.5	19.5	20.0	20.0	20.5	20.5	20.5
82.5°	12.8	13.3	13.9	14.4	14.9	14.9	15.4	15.9	15.9	15.4
85°	8.7	9.7	10.3	10.8	10.8	10.8	11.3	11.8	11.8	11.3
87.5°	6.2	6.2	6.7	7.2	7.2	7.7	7.7	8.2	8.2	8.2
90°	3.6	3.6	4.1	4.1	4.6	4.6	4.6	5.1	5.1	5.1
92.5°	8.7	8.7	9.2	9.2	9.2	9.2	9.7	9.7	9.7	9.7
95°	93.4	42.1	35.4	21.5	20.5	18.0	17.4	18.0	18.0	17.4
97.5°	313.4	335.5	349.3	356.0	347.8	339.1	329.3	327.8	314.4	284.7
100°	338.0	355.5	372.4	384.2	388.8	392.9	402.2	407.8	410.4	412.9
102.5°	350.4	368.8	383.7	398.6	404.7	410.4	418.6	425.2	427.8	429.9
105°	361.1	380.1	396.5	409.9	415.5	420.6	428.8	435.0	439.6	440.1
107.5°	363.7	383.7	402.2	418.6	425.2	430.9	440.6	445.3	449.4	449.4
110°	368.3	387.3	404.2	419.1	425.8	432.4	442.7	449.9	454.0	455.0



TEST NUMBER: P395662

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	371.9	391.4	407.3	422.2	427.8	434.0	443.7	450.4	454.0	455.5
115°	375.0	394.0	409.9	423.7	429.9	436.0	445.8	451.4	455.5	457.1
117.5°	377.0	395.5	411.4	424.2	430.9	436.0	445.3	451.4	455.5	456.0
120°	377.5	396.0	411.4	424.2	429.9	435.5	444.7	450.9	455.0	455.0
122.5°	377.5	395.5	410.9	423.2	428.3	433.5	442.2	449.4	452.9	452.9
125°	375.5	393.4	408.3	420.6	425.8	430.4	439.6	446.3	449.9	450.4
127.5°	372.4	389.9	404.7	417.0	422.2	426.3	436.0	442.2	445.8	446.3
130°	368.3	385.8	400.1	411.9	417.0	421.7	429.9	436.5	440.6	441.7
132.5°	363.7	380.1	394.5	405.8	410.9	415.0	423.2	429.9	433.5	435.0
135°	358.1	373.4	387.3	398.6	403.7	407.8	415.5	422.2	425.8	427.3
137.5°	350.9	365.7	379.1	390.4	395.0	399.1	406.8	412.9	416.0	418.1
140°	342.7	356.5	370.4	380.6	385.2	389.3	396.0	402.7	405.8	407.3
142.5°	333.9	347.8	360.1	370.4	374.5	378.6	385.2	391.4	394.5	395.0
145°	324.7	338.0	349.3	359.1	362.7	366.8	372.9	379.1	382.2	382.7
147.5°	314.4	326.8	337.5	346.8	350.9	353.9	359.6	365.2	368.3	368.8
150°	302.7	313.9	323.7	332.9	336.5	339.6	345.7	350.9	353.9	354.5
152.5°	291.4	302.1	310.3	318.6	322.1	325.2	330.4	335.5	338.6	339.1
155°	279.6	289.3	297.5	304.2	307.3	310.3	314.4	319.1	321.6	322.1
157.5°	267.3	276.5	283.7	289.8	292.9	295.5	299.1	303.2	304.7	305.7
160°	253.9	261.6	267.8	273.9	276.5	279.1	282.6	285.7	287.8	288.3
162.5°	239.6	246.2	251.4	257.0	258.5	260.6	264.2	267.3	268.8	269.3
165°	224.7	230.8	235.5	240.1	241.1	242.6	245.2	248.3	249.3	250.3
167.5°	209.8	214.9	218.0	222.1	223.7	224.7	227.2	229.3	230.3	230.8
170°	195.4	199.0	201.6	204.7	205.2	206.7	208.3	210.3	210.8	210.8
172.5°	184.2	185.7	187.2	188.3	188.8	189.3	190.3	190.8	190.8	190.8
175°	177.0	178.0	178.0	178.5	178.5	178.5	178.5	178.5	178.5	178.5
177.5°	172.9	172.9	172.9	172.4	172.4	172.4	172.4	171.8	171.8	171.8
180°	171.8	171.8	171.8	171.8	171.8	171.8	171.8	171.8	171.8	171.8

(END OF REPORT)