

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: P395663

Luminaire Tested: **I3-UL-20L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395663
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 (4500K)
Description: CORELITE I3, OPEN TOP
2000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2135.6 lumens
Efficiency: N/A
Efficacy: 129.4 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

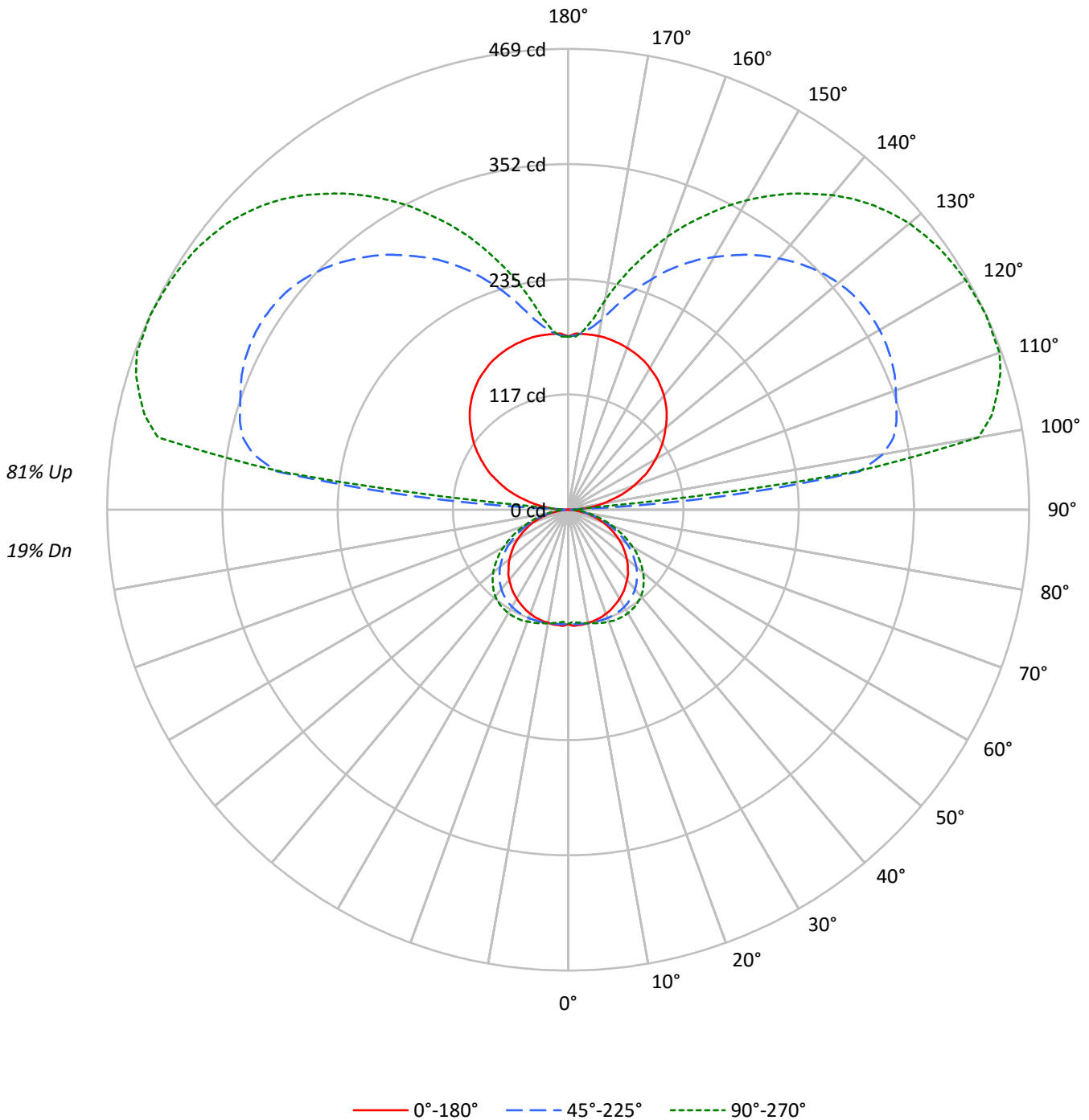
Input Watts (W): 16.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	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°	639	639	639
5°	648	630	618
10°	647	626	619
15°	649	624	624
20°	649	626	632
25°	648	628	641
30°	649	628	647
35°	648	625	650
40°	646	621	646
45°	640	607	632
50°	634	588	609
55°	622	559	574
60°	603	519	528
65°	577	462	471
70°	545	401	398
75°	473	315	319
80°	375	226	231
85°	225	131	152



TEST NUMBER: P395663

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.1	0.5
10°-20°	33.2	1.6
20°-30°	53.4	2.5
30°-40°	68.7	3.2
40°-50°	75.5	3.5
50°-60°	70.9	3.3
60°-70°	55.1	2.6
70°-80°	31.6	1.5
80°-90°	10.1	0.5
90°-100°	136.5	6.4
100°-110°	324.4	15.2
110°-120°	325.9	15.3
120°-130°	298.9	14.0
130°-140°	249.9	11.7
140°-150°	187.6	8.8
150°-160°	122.1	5.7
160°-170°	62.9	2.9
170°-180°	17.8	0.8
0°-30°	97.7	4.6
0°-40°	166.4	7.8
0°-60°	312.8	14.6
0°-90°	409.7	19.2
90°-120°	786.8	36.8
90°-150°	1523.2	71.3
90°-180°	1726.0	80.8
0°-180°	2135.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	116	116	116	116	116	
5°	118	117	117	116	115	11
15°	115	115	117	119	120	33
25°	109	110	116	120	122	50
35°	100	102	110	117	120	62
45°	86	90	99	106	108	66
55°	69	73	80	86	88	61
65°	48	51	56	60	62	48
75°	26	27	30	33	34	27
85°	5	6	8	11	12	6
90°	0	2	3	5	5	2
95°	18	153	157	21	18	18
105°	53	205	346	426	452	56
115°	88	230	363	441	469	86
125°	117	240	365	437	462	104
135°	142	240	348	414	438	109
145°	160	230	317	372	393	100
155°	172	210	275	315	330	79
165°	178	190	223	247	257	50
175°	180	179	181	183	183	17
180°	176	176	176	176	176	



TEST NUMBER: P395663

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3
2.5°	118.4	117.9	117.4	117.4	116.8	116.8	116.8	116.3	116.3	116.3	116.8
5°	117.9	117.9	117.4	116.8	116.8	116.8	116.3	116.3	116.3	116.3	116.8
7.5°	117.9	117.4	116.8	116.8	116.3	116.3	116.3	116.3	116.3	116.3	116.8
10°	116.8	116.8	116.3	116.3	115.8	116.3	116.3	116.3	116.3	116.3	117.4
12.5°	116.3	116.3	115.8	115.3	115.3	115.3	115.8	115.8	115.8	116.3	117.4
15°	115.3	115.3	114.7	114.7	114.7	114.7	115.3	115.3	115.8	116.3	117.4
17.5°	114.2	114.2	113.7	113.7	113.7	114.2	114.2	114.7	115.3	116.3	117.4
20°	112.6	112.6	112.6	112.6	112.6	113.2	113.2	113.7	114.7	115.8	117.4
22.5°	111.1	111.1	111.1	111.1	111.1	111.6	112.1	113.2	113.7	115.3	116.8
25°	109.0	109.0	109.0	109.0	109.5	110.0	110.5	111.6	112.6	114.2	116.3
27.5°	106.8	107.4	107.4	107.4	107.9	108.4	109.0	110.0	111.6	113.7	115.3
30°	104.7	104.7	104.7	105.3	105.8	106.3	107.4	108.4	110.0	112.1	114.2
32.5°	102.1	102.1	102.6	102.6	103.7	104.2	105.3	106.8	108.4	110.5	112.6
35°	99.5	99.5	99.5	100.5	101.1	102.1	102.6	104.2	106.3	108.4	110.5
37.5°	96.3	96.8	96.8	97.4	98.4	99.5	100.0	102.1	104.2	106.3	108.4
40°	93.2	93.7	93.7	94.2	95.8	96.3	97.4	99.5	101.1	103.7	105.8
42.5°	90.0	90.0	90.5	91.1	92.6	93.2	94.2	96.3	98.4	100.5	102.6
45°	85.8	86.3	86.8	87.4	88.9	90.0	91.1	92.6	94.7	96.8	98.9
47.5°	82.1	82.1	82.6	83.7	85.3	86.3	86.8	88.9	90.5	92.6	94.7
50°	77.9	78.4	78.4	79.5	81.1	82.1	82.6	84.7	86.3	88.4	90.5
52.5°	73.2	73.7	74.2	75.3	76.8	77.9	78.4	80.0	81.6	83.7	85.3
55°	68.9	69.5	69.5	70.5	72.1	72.6	73.7	74.7	76.8	78.4	80.5
57.5°	64.2	64.7	64.7	65.8	66.8	67.9	68.4	70.0	71.6	73.2	74.7
60°	58.9	59.5	60.0	60.5	61.6	62.6	63.2	64.2	65.8	67.4	68.9
62.5°	53.7	54.2	54.7	55.3	56.3	56.8	57.4	58.9	60.0	61.6	62.6
65°	48.4	48.9	49.5	50.0	50.5	51.1	51.6	52.6	53.7	55.3	55.8
67.5°	43.2	43.7	43.7	44.2	44.7	45.3	45.8	46.8	47.4	48.9	49.5
70°	37.9	37.9	37.9	38.4	38.4	38.9	39.5	40.5	41.1	42.1	43.2
72.5°	31.6	32.1	32.1	32.1	32.6	33.2	33.7	34.2	34.7	35.3	36.3
75°	25.8	26.3	25.8	26.3	26.8	26.8	27.4	27.9	28.4	28.9	29.5
77.5°	20.5	20.0	20.5	20.5	21.1	21.1	21.1	21.6	22.6	22.6	23.7
80°	14.7	14.7	14.7	14.7	15.3	15.3	15.8	15.8	16.8	17.4	17.9
82.5°	9.5	9.5	10.0	10.0	10.0	10.5	10.5	11.1	11.6	12.1	12.6
85°	5.3	5.3	5.3	5.8	5.8	6.3	6.3	6.8	7.4	7.9	8.4
87.5°	1.6	2.1	2.6	2.6	3.2	3.2	3.7	3.7	4.7	5.3	5.8
90°	0.5	0.5	1.1	1.1	1.1	1.6	1.6	2.1	2.1	2.6	3.2
92.5°	8.9	21.1	43.7	65.3	56.3	52.6	31.6	9.5	8.4	8.9	8.9
95°	18.4	34.7	63.7	103.2	133.7	152.6	165.3	189.5	214.2	210.0	156.8
97.5°	26.8	44.7	76.8	113.2	155.3	176.8	193.2	222.1	253.7	280.0	299.0
100°	35.3	53.7	87.9	125.8	164.7	184.2	203.2	242.6	273.7	300.0	325.3
102.5°	44.2	62.6	97.9	137.4	175.8	194.7	213.2	247.9	282.6	314.2	339.0
105°	53.2	72.1	106.8	147.4	185.8	204.7	222.6	255.8	287.9	317.4	345.8
107.5°	62.6	80.5	114.7	155.3	193.7	212.6	230.5	263.7	294.7	324.2	350.0
110°	71.1	88.4	122.6	162.6	201.1	220.0	237.9	271.1	301.6	329.5	354.7



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CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	78.9	95.8	130.0	169.0	206.8	225.8	243.2	276.3	306.8	334.2	359.5
115°	87.9	102.6	137.4	174.7	212.1	230.5	247.9	280.5	311.1	337.9	362.6
117.5°	95.3	109.5	143.7	179.5	216.3	234.2	251.1	283.7	313.7	340.5	364.7
120°	102.6	115.8	149.5	183.7	219.5	236.8	253.7	285.8	315.8	342.1	365.8
122.5°	110.0	122.1	154.2	187.9	222.1	239.5	255.8	287.4	316.8	342.6	365.8
125°	116.8	127.4	158.4	191.1	223.7	240.5	256.3	287.4	316.3	341.6	364.7
127.5°	123.2	133.2	161.6	194.2	224.7	241.1	256.3	286.3	315.3	340.0	362.6
130°	129.5	138.4	164.7	195.8	225.8	240.5	255.3	284.2	312.6	337.4	359.0
132.5°	135.8	144.2	167.4	197.4	226.3	240.5	254.2	282.1	309.5	333.7	354.2
135°	141.6	148.4	170.0	198.4	225.8	239.5	252.1	278.4	304.7	328.4	348.4
137.5°	146.8	152.6	172.1	199.0	225.3	237.9	250.5	274.2	299.0	322.1	341.6
140°	151.6	156.8	173.2	199.0	223.2	235.8	247.4	270.0	292.6	314.7	333.7
142.5°	155.8	160.5	174.7	197.9	221.1	233.2	244.2	265.8	286.3	307.4	325.8
145°	160.0	163.7	175.8	197.4	218.4	229.5	240.0	260.5	280.5	299.5	316.8
147.5°	163.2	166.8	176.8	195.3	215.3	225.3	235.3	254.7	273.2	291.1	306.8
150°	166.3	169.5	177.4	193.2	211.6	220.5	229.5	247.9	265.8	282.1	296.8
152.5°	169.5	171.6	179.0	191.1	207.4	215.8	224.7	241.1	257.4	272.6	286.8
155°	171.6	173.2	179.5	189.0	203.2	210.5	217.9	233.2	247.9	262.1	275.3
157.5°	173.7	175.3	180.0	187.4	198.4	205.3	211.6	224.7	238.4	251.1	263.2
160°	175.3	176.3	180.0	186.3	194.2	199.0	204.7	216.8	228.4	239.5	250.0
162.5°	176.8	177.4	180.0	184.7	190.5	193.7	197.9	207.4	217.9	227.4	236.8
165°	177.9	178.4	180.0	183.7	187.4	190.0	192.1	199.0	206.8	215.3	223.2
167.5°	179.0	179.0	180.0	182.6	184.7	186.3	187.9	191.6	196.8	203.2	209.0
170°	179.5	179.5	180.0	181.6	183.2	183.7	184.7	186.8	189.5	192.6	196.3
172.5°	179.5	179.5	179.5	180.5	181.1	181.1	181.1	182.1	183.7	185.8	187.4
175°	179.5	179.0	179.0	179.5	179.0	179.0	179.0	179.0	179.5	180.5	181.1
177.5°	179.5	179.0	178.4	178.4	177.9	177.9	177.4	177.4	177.4	177.4	177.4
180°	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3



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CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3
2.5°	116.8	116.8	116.3	115.8	115.8	115.8	115.3	114.7	114.2	114.2
5°	116.8	116.8	116.3	116.3	116.3	116.3	115.8	115.8	115.3	115.3
7.5°	117.4	116.8	116.8	116.8	116.8	116.8	116.8	116.8	116.3	116.3
10°	117.4	117.4	117.4	117.4	117.4	117.4	117.4	117.4	117.4	117.4
12.5°	117.9	117.9	117.9	117.9	118.4	118.4	118.4	118.4	118.4	118.4
15°	117.9	118.4	119.0	119.0	119.0	119.5	119.5	119.5	119.5	119.5
17.5°	118.4	119.0	119.5	119.5	120.0	120.0	120.5	120.5	120.5	120.5
20°	118.4	119.0	119.5	120.0	120.5	120.5	121.1	121.6	121.6	121.1
22.5°	117.9	119.0	119.5	120.0	120.5	121.1	121.6	122.1	122.1	122.1
25°	117.4	118.4	119.5	120.5	120.5	121.1	122.1	122.1	122.1	122.1
27.5°	116.8	117.9	119.0	120.0	120.5	121.1	121.6	122.1	122.1	122.1
30°	115.8	117.4	118.4	119.5	120.0	120.5	121.1	121.6	121.6	121.6
32.5°	114.2	115.8	116.8	118.4	119.0	119.5	120.0	120.5	120.5	120.5
35°	112.6	114.2	115.3	116.8	117.4	117.9	119.0	119.0	119.5	119.5
37.5°	110.0	112.1	113.2	114.7	115.3	115.8	116.8	117.4	117.4	117.4
40°	107.4	109.5	110.5	112.1	112.6	113.2	114.2	114.7	115.3	115.3
42.5°	104.2	106.3	107.4	109.0	109.5	110.0	111.1	111.6	112.1	112.1
45°	101.1	102.6	103.7	105.3	106.3	106.3	107.4	107.9	108.4	108.4
47.5°	96.8	98.4	99.5	101.1	102.1	102.6	103.2	103.7	104.2	104.2
50°	92.1	93.7	95.3	96.3	97.4	97.4	98.4	98.9	99.5	99.5
52.5°	87.4	88.4	90.0	91.6	92.1	92.6	93.2	93.7	94.2	94.2
55°	82.1	83.2	84.7	85.8	86.3	86.8	87.4	87.9	88.4	88.4
57.5°	76.3	77.4	78.9	80.0	80.5	81.1	81.6	82.1	82.6	82.6
60°	70.0	71.1	72.6	73.7	74.2	74.2	75.3	75.8	75.8	75.8
62.5°	63.7	64.7	65.8	66.8	67.4	67.9	68.4	68.9	68.9	68.9
65°	57.4	58.4	59.5	60.0	60.5	60.5	61.1	61.6	62.1	62.1
67.5°	50.5	51.6	52.6	53.2	53.7	53.7	54.2	54.7	54.7	54.7
70°	43.7	44.2	45.3	45.8	46.3	46.3	47.4	47.4	47.4	47.4
72.5°	36.8	37.4	38.4	38.9	39.5	39.5	40.0	40.5	40.5	40.5
75°	30.5	31.1	31.6	32.6	32.6	32.6	33.2	33.7	33.7	33.7
77.5°	24.2	24.7	25.3	25.8	26.3	26.3	26.8	27.4	27.4	27.4
80°	18.4	18.9	19.5	20.0	20.0	20.5	20.5	21.1	21.1	21.1
82.5°	13.2	13.7	14.2	14.7	15.3	15.3	15.8	16.3	16.3	15.8
85°	8.9	10.0	10.5	11.1	11.1	11.1	11.6	12.1	12.1	11.6
87.5°	6.3	6.3	6.8	7.4	7.4	7.9	7.9	8.4	8.4	8.4
90°	3.7	3.7	4.2	4.2	4.7	4.7	4.7	5.3	5.3	5.3
92.5°	8.9	8.9	9.5	9.5	9.5	9.5	10.0	10.0	10.0	10.0
95°	95.8	43.2	36.3	22.1	21.1	18.4	17.9	18.4	18.4	17.9
97.5°	321.6	344.2	358.4	365.3	356.9	347.9	337.9	336.3	322.6	292.1
100°	346.9	364.7	382.1	394.2	399.0	403.2	412.6	418.4	421.1	423.7
102.5°	359.5	378.4	393.7	409.0	415.3	421.1	429.5	436.3	439.0	441.1
105°	370.5	390.0	406.9	420.5	426.3	431.6	440.0	446.3	451.1	451.6
107.5°	373.2	393.7	412.6	429.5	436.3	442.1	452.1	456.9	461.1	461.1
110°	377.9	397.4	414.7	430.0	436.9	443.7	454.2	461.6	465.8	466.9



TEST NUMBER: P395663

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	381.6	401.6	417.9	433.2	439.0	445.3	455.3	462.1	465.8	467.4
115°	384.7	404.2	420.5	434.7	441.1	447.4	457.4	463.2	467.4	469.0
117.5°	386.9	405.8	422.1	435.3	442.1	447.4	456.9	463.2	467.4	467.9
120°	387.4	406.3	422.1	435.3	441.1	446.9	456.3	462.6	466.9	466.9
122.5°	387.4	405.8	421.6	434.2	439.5	444.7	453.7	461.1	464.7	464.7
125°	385.3	403.7	419.0	431.6	436.9	441.6	451.1	457.9	461.6	462.1
127.5°	382.1	400.0	415.3	427.9	433.2	437.4	447.4	453.7	457.4	457.9
130°	377.9	395.8	410.5	422.6	427.9	432.6	441.1	447.9	452.1	453.2
132.5°	373.2	390.0	404.7	416.3	421.6	425.8	434.2	441.1	444.7	446.3
135°	367.4	383.2	397.4	409.0	414.2	418.4	426.3	433.2	436.9	438.4
137.5°	360.0	375.3	389.0	400.5	405.3	409.5	417.4	423.7	426.9	429.0
140°	351.6	365.8	380.0	390.5	395.3	399.5	406.3	413.2	416.3	417.9
142.5°	342.6	356.9	369.5	380.0	384.2	388.4	395.3	401.6	404.7	405.3
145°	333.2	346.9	358.4	368.4	372.1	376.3	382.6	389.0	392.1	392.6
147.5°	322.6	335.3	346.3	355.8	360.0	363.2	369.0	374.7	377.9	378.4
150°	310.5	322.1	332.1	341.6	345.3	348.4	354.7	360.0	363.2	363.7
152.5°	299.0	310.0	318.4	326.9	330.5	333.7	339.0	344.2	347.4	347.9
155°	286.8	296.8	305.3	312.1	315.3	318.4	322.6	327.4	330.0	330.5
157.5°	274.2	283.7	291.1	297.4	300.5	303.2	306.8	311.1	312.6	313.7
160°	260.5	268.4	274.7	281.1	283.7	286.3	290.0	293.2	295.3	295.8
162.5°	245.8	252.6	257.9	263.7	265.3	267.4	271.1	274.2	275.8	276.3
165°	230.5	236.8	241.6	246.3	247.4	249.0	251.6	254.7	255.8	256.8
167.5°	215.3	220.5	223.7	227.9	229.5	230.5	233.2	235.3	236.3	236.8
170°	200.5	204.2	206.8	210.0	210.5	212.1	213.7	215.8	216.3	216.3
172.5°	189.0	190.5	192.1	193.2	193.7	194.2	195.3	195.8	195.8	195.8
175°	181.6	182.6	182.6	183.2	183.2	183.2	183.2	183.2	183.2	183.2
177.5°	177.4	177.4	177.4	176.8	176.8	176.8	176.8	176.3	176.3	176.3
180°	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3

(END OF REPORT)