

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: P395687

Luminaire Tested: **I3-UL-30L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395687
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-30L92765-1D-UNV-W2A-W-4 (3500K)
Description: CORELITE I3, OPEN TOP
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2594.1 lumens
Efficiency: N/A
Efficacy: 125.3 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

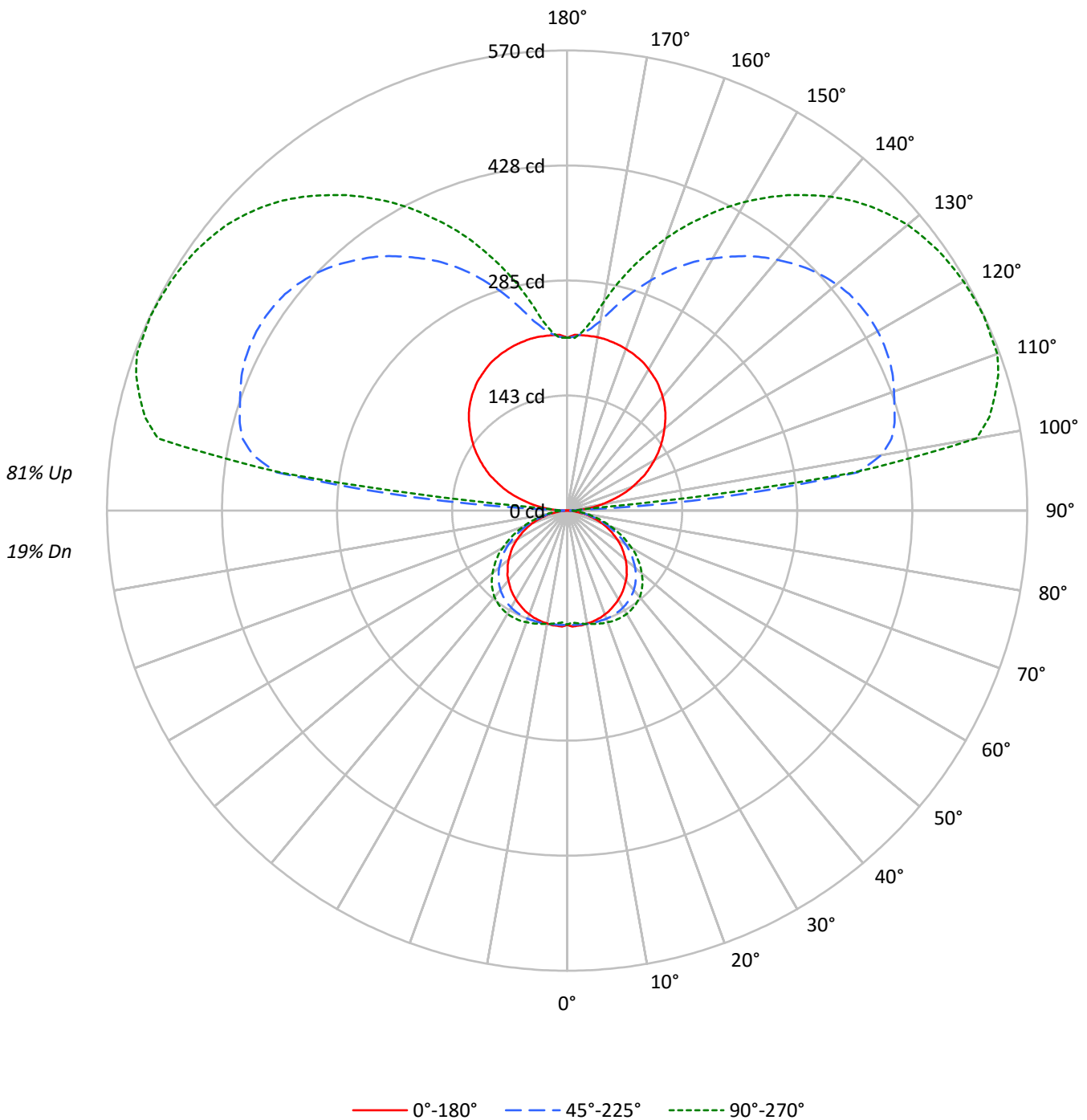
Input Watts (W): 20.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P395687

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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	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°	777	777	777
5°	787	765	751
10°	786	760	752
15°	788	757	758
20°	788	761	767
25°	787	762	778
30°	788	763	786
35°	787	760	789
40°	784	754	785
45°	777	738	768
50°	770	714	739
55°	757	679	697
60°	733	631	642
65°	701	562	572
70°	662	487	482
75°	574	382	387
80°	456	274	280
85°	272	159	185



TEST NUMBER: P395687

CATALOG NUMBER: I3-UL-30L92765-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.5	0.5
10°-20°	40.3	1.6
20°-30°	64.8	2.5
30°-40°	83.5	3.2
40°-50°	91.7	3.5
50°-60°	86.2	3.3
60°-70°	66.9	2.6
70°-80°	38.4	1.5
80°-90°	12.3	0.5
90°-100°	165.8	6.4
100°-110°	394.1	15.2
110°-120°	395.9	15.3
120°-130°	363.0	14.0
130°-140°	303.6	11.7
140°-150°	227.8	8.8
150°-160°	148.3	5.7
160°-170°	76.4	2.9
170°-180°	21.6	0.8
0°-30°	118.7	4.6
0°-40°	202.1	7.8
0°-60°	380.0	14.6
0°-90°	497.6	19.2
90°-120°	955.8	36.8
90°-150°	1850.2	71.3
90°-180°	2097.0	80.8
0°-180°	2594.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	141	141	141	141	141	
5°	143	142	142	141	140	14
15°	140	139	143	144	145	40
25°	132	134	141	146	148	61
35°	121	124	134	143	145	76
45°	104	109	120	129	132	81
55°	84	88	98	105	107	75
65°	59	62	68	74	75	58
75°	31	33	36	40	41	33
85°	6	8	10	13	14	8
90°	1	2	4	6	6	2
95°	22	185	190	26	22	22
105°	65	249	420	518	548	68
115°	107	280	440	536	570	105
125°	142	292	443	531	561	127
135°	172	291	423	503	533	133
145°	194	279	385	452	477	121
155°	208	256	334	383	402	96
165°	216	231	271	300	312	61
175°	218	217	220	222	222	21
180°	214	214	214	214	214	



TEST NUMBER: P395687

CATALOG NUMBER: I3-UL-30L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3
2.5°	143.8	143.2	142.6	142.6	141.9	141.9	141.9	141.3	141.3	141.3	141.9
5°	143.2	143.2	142.6	141.9	141.9	141.9	141.3	141.3	141.3	141.3	141.9
7.5°	143.2	142.6	141.9	141.9	141.3	141.3	141.3	141.3	141.3	141.3	141.9
10°	141.9	141.9	141.3	141.3	140.6	141.3	141.3	141.3	141.3	141.3	142.6
12.5°	141.3	141.3	140.6	140.0	140.0	140.0	140.6	140.6	140.6	141.3	142.6
15°	140.0	140.0	139.4	139.4	139.4	139.4	140.0	140.0	140.6	141.3	142.6
17.5°	138.7	138.7	138.1	138.1	138.1	138.7	138.7	139.4	140.0	141.3	142.6
20°	136.8	136.8	136.8	136.8	136.8	137.5	137.5	138.1	139.4	140.6	142.6
22.5°	134.9	134.9	134.9	134.9	134.9	135.5	136.2	137.5	138.1	140.0	141.9
25°	132.3	132.3	132.3	132.3	133.0	133.6	134.3	135.5	136.8	138.7	141.3
27.5°	129.8	130.4	130.4	130.4	131.1	131.7	132.3	133.6	135.5	138.1	140.0
30°	127.2	127.2	127.2	127.9	128.5	129.1	130.4	131.7	133.6	136.2	138.7
32.5°	124.0	124.0	124.7	124.7	125.9	126.6	127.9	129.8	131.7	134.3	136.8
35°	120.8	120.8	120.8	122.1	122.7	124.0	124.7	126.6	129.1	131.7	134.3
37.5°	117.0	117.6	117.6	118.3	119.6	120.8	121.5	124.0	126.6	129.1	131.7
40°	113.2	113.8	113.8	114.4	116.4	117.0	118.3	120.8	122.7	125.9	128.5
42.5°	109.3	109.3	110.0	110.6	112.5	113.2	114.4	117.0	119.6	122.1	124.7
45°	104.2	104.8	105.5	106.1	108.0	109.3	110.6	112.5	115.1	117.6	120.2
47.5°	99.7	99.7	100.4	101.7	103.6	104.8	105.5	108.0	110.0	112.5	115.1
50°	94.6	95.3	95.3	96.5	98.5	99.7	100.4	102.9	104.8	107.4	110.0
52.5°	88.9	89.5	90.1	91.4	93.3	94.6	95.3	97.2	99.1	101.7	103.6
55°	83.8	84.4	84.4	85.7	87.6	88.2	89.5	90.8	93.3	95.3	97.8
57.5°	78.0	78.6	78.6	79.9	81.2	82.5	83.1	85.0	86.9	88.9	90.8
60°	71.6	72.2	72.9	73.5	74.8	76.1	76.7	78.0	79.9	81.8	83.8
62.5°	65.2	65.8	66.5	67.1	68.4	69.0	69.7	71.6	72.9	74.8	76.1
65°	58.8	59.5	60.1	60.7	61.4	62.0	62.7	63.9	65.2	67.1	67.8
67.5°	52.4	53.1	53.1	53.7	54.3	55.0	55.6	56.9	57.5	59.5	60.1
70°	46.0	46.0	46.0	46.7	46.7	47.3	47.9	49.2	49.9	51.1	52.4
72.5°	38.4	39.0	39.0	39.0	39.6	40.3	40.9	41.6	42.2	42.8	44.1
75°	31.3	32.0	31.3	32.0	32.6	32.6	33.2	33.9	34.5	35.2	35.8
77.5°	24.9	24.3	24.9	24.9	25.6	25.6	25.6	26.2	27.5	27.5	28.8
80°	17.9	17.9	17.9	17.9	18.5	18.5	19.2	19.2	20.5	21.1	21.7
82.5°	11.5	11.5	12.1	12.1	12.1	12.8	12.8	13.4	14.1	14.7	15.3
85°	6.4	6.4	6.4	7.0	7.0	7.7	7.7	8.3	9.0	9.6	10.2
87.5°	1.9	2.6	3.2	3.2	3.8	3.8	4.5	4.5	5.8	6.4	7.0
90°	0.6	0.6	1.3	1.3	1.3	1.9	1.9	2.6	2.6	3.2	3.8
92.5°	10.9	25.6	53.1	79.3	68.4	63.9	38.4	11.5	10.2	10.9	10.9
95°	22.4	42.2	77.4	125.3	162.4	185.4	200.7	230.2	260.2	255.1	190.5
97.5°	32.6	54.3	93.3	137.5	188.6	214.8	234.6	269.8	308.2	340.1	363.1
100°	42.8	65.2	106.8	152.8	200.1	223.8	246.8	294.7	332.4	364.4	395.1
102.5°	53.7	76.1	118.9	166.9	213.5	236.5	258.9	301.1	343.3	381.7	411.7
105°	64.6	87.6	129.8	179.0	225.7	248.7	270.4	310.7	349.7	385.5	420.0
107.5°	76.1	97.8	139.4	188.6	235.3	258.3	280.0	320.3	358.0	393.8	425.1
110°	86.3	107.4	149.0	197.5	244.2	267.2	289.0	329.2	366.3	400.2	430.9



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CATALOG NUMBER: I3-UL-30L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	95.9	116.4	157.9	205.2	251.3	274.3	295.4	335.6	372.7	406.0	436.7
115°	106.8	124.7	166.9	212.3	257.6	280.0	301.1	340.8	377.8	410.4	440.5
117.5°	115.7	133.0	174.5	218.0	262.8	284.5	305.0	344.6	381.0	413.6	443.0
120°	124.7	140.6	181.6	223.1	266.6	287.7	308.2	347.1	383.6	415.6	444.3
122.5°	133.6	148.3	187.3	228.2	269.8	290.9	310.7	349.1	384.9	416.2	444.3
125°	141.9	154.7	192.4	232.1	271.7	292.2	311.3	349.1	384.2	414.9	443.0
127.5°	149.6	161.7	196.3	235.9	273.0	292.8	311.3	347.8	383.0	413.0	440.5
130°	157.3	168.1	200.1	237.8	274.3	292.2	310.1	345.2	379.8	409.8	436.0
132.5°	164.9	175.2	203.3	239.7	274.9	292.2	308.8	342.7	375.9	405.3	430.3
135°	172.0	180.3	206.5	241.0	274.3	290.9	306.2	338.2	370.2	398.9	423.2
137.5°	178.4	185.4	209.1	241.7	273.6	289.0	304.3	333.1	363.1	391.3	414.9
140°	184.1	190.5	210.3	241.7	271.1	286.4	300.5	328.0	355.5	382.3	405.3
142.5°	189.2	195.0	212.3	240.4	268.5	283.2	296.6	322.9	347.8	373.4	395.7
145°	194.4	198.8	213.5	239.7	265.3	278.7	291.5	316.5	340.8	363.8	384.9
147.5°	198.2	202.7	214.8	237.2	261.5	273.6	285.8	309.4	331.8	353.5	372.7
150°	202.0	205.9	215.4	234.6	257.0	267.9	278.7	301.1	322.9	342.7	360.6
152.5°	205.9	208.4	217.4	232.1	251.9	262.1	273.0	292.8	312.6	331.2	348.4
155°	208.4	210.3	218.0	229.5	246.8	255.7	264.7	283.2	301.1	318.4	334.4
157.5°	211.0	212.9	218.6	227.6	241.0	249.3	257.0	273.0	289.6	305.0	319.7
160°	212.9	214.2	218.6	226.3	235.9	241.7	248.7	263.4	277.5	290.9	303.7
162.5°	214.8	215.4	218.6	224.4	231.4	235.3	240.4	251.9	264.7	276.2	287.7
165°	216.1	216.7	218.6	223.1	227.6	230.8	233.4	241.7	251.3	261.5	271.1
167.5°	217.4	217.4	218.6	221.8	224.4	226.3	228.2	232.7	239.1	246.8	253.8
170°	218.0	218.0	218.6	220.6	222.5	223.1	224.4	227.0	230.2	234.0	238.5
172.5°	218.0	218.0	218.0	219.3	219.9	219.9	219.9	221.2	223.1	225.7	227.6
175°	218.0	217.4	217.4	218.0	217.4	217.4	217.4	217.4	218.0	219.3	219.9
177.5°	218.0	217.4	216.7	216.7	216.1	216.1	215.4	215.4	215.4	215.4	215.4
180°	214.2	214.2	214.2	214.2	214.2	214.2	214.2	214.2	214.2	214.2	214.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3
2.5°	141.9	141.9	141.3	140.6	140.6	140.6	140.0	139.4	138.7	138.7
5°	141.9	141.9	141.3	141.3	141.3	141.3	140.6	140.6	140.0	140.0
7.5°	142.6	141.9	141.9	141.9	141.9	141.9	141.9	141.9	141.3	141.3
10°	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6
12.5°	143.2	143.2	143.2	143.2	143.8	143.8	143.8	143.8	143.8	143.8
15°	143.2	143.8	144.5	144.5	144.5	145.1	145.1	145.1	145.1	145.1
17.5°	143.8	144.5	145.1	145.1	145.8	145.8	146.4	146.4	146.4	146.4
20°	143.8	144.5	145.1	145.8	146.4	146.4	147.0	147.7	147.7	147.0
22.5°	143.2	144.5	145.1	145.8	146.4	147.0	147.7	148.3	148.3	148.3
25°	142.6	143.8	145.1	146.4	146.4	147.0	148.3	148.3	148.3	148.3
27.5°	141.9	143.2	144.5	145.8	146.4	147.0	147.7	148.3	148.3	148.3
30°	140.6	142.6	143.8	145.1	145.8	146.4	147.0	147.7	147.7	147.7
32.5°	138.7	140.6	141.9	143.8	144.5	145.1	145.8	146.4	146.4	146.4
35°	136.8	138.7	140.0	141.9	142.6	143.2	144.5	144.5	145.1	145.1
37.5°	133.6	136.2	137.5	139.4	140.0	140.6	141.9	142.6	142.6	142.6
40°	130.4	133.0	134.3	136.2	136.8	137.5	138.7	139.4	140.0	140.0
42.5°	126.6	129.1	130.4	132.3	133.0	133.6	134.9	135.5	136.2	136.2
45°	122.7	124.7	125.9	127.9	129.1	129.1	130.4	131.1	131.7	131.7
47.5°	117.6	119.6	120.8	122.7	124.0	124.7	125.3	125.9	126.6	126.6
50°	111.9	113.8	115.7	117.0	118.3	118.3	119.6	120.2	120.8	120.8
52.5°	106.1	107.4	109.3	111.2	111.9	112.5	113.2	113.8	114.4	114.4
55°	99.7	101.0	102.9	104.2	104.8	105.5	106.1	106.8	107.4	107.4
57.5°	92.7	94.0	95.9	97.2	97.8	98.5	99.1	99.7	100.4	100.4
60°	85.0	86.3	88.2	89.5	90.1	90.1	91.4	92.1	92.1	92.1
62.5°	77.4	78.6	79.9	81.2	81.8	82.5	83.1	83.8	83.8	83.8
65°	69.7	71.0	72.2	72.9	73.5	73.5	74.2	74.8	75.4	75.4
67.5°	61.4	62.7	63.9	64.6	65.2	65.2	65.8	66.5	66.5	66.5
70°	53.1	53.7	55.0	55.6	56.3	56.3	57.5	57.5	57.5	57.5
72.5°	44.8	45.4	46.7	47.3	47.9	47.9	48.6	49.2	49.2	49.2
75°	37.1	37.7	38.4	39.6	39.6	39.6	40.3	40.9	40.9	40.9
77.5°	29.4	30.0	30.7	31.3	32.0	32.0	32.6	33.2	33.2	33.2
80°	22.4	23.0	23.7	24.3	24.3	24.9	24.9	25.6	25.6	25.6
82.5°	16.0	16.6	17.3	17.9	18.5	18.5	19.2	19.8	19.8	19.2
85°	10.9	12.1	12.8	13.4	13.4	13.4	14.1	14.7	14.7	14.1
87.5°	7.7	7.7	8.3	9.0	9.0	9.6	9.6	10.2	10.2	10.2
90°	4.5	4.5	5.1	5.1	5.8	5.8	5.8	6.4	6.4	6.4
92.5°	10.9	10.9	11.5	11.5	11.5	11.5	12.1	12.1	12.1	12.1
95°	116.4	52.4	44.1	26.9	25.6	22.4	21.7	22.4	22.4	21.7
97.5°	390.6	418.1	435.4	443.7	433.5	422.6	410.4	408.5	391.9	354.8
100°	421.3	443.0	464.1	478.8	484.6	489.7	501.2	508.3	511.5	514.7
102.5°	436.7	459.7	478.2	496.7	504.4	511.5	521.7	530.0	533.2	535.7
105°	450.1	473.7	494.2	510.8	517.8	524.2	534.5	542.1	547.9	548.5
107.5°	453.3	478.2	501.2	521.7	530.0	537.0	549.2	554.9	560.0	560.0
110°	459.0	482.7	503.8	522.3	530.6	538.9	551.7	560.7	565.8	567.1



TEST NUMBER: P395687

CATALOG NUMBER: I3-UL-30L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	463.5	487.8	507.6	526.2	533.2	540.9	553.0	561.3	565.8	567.7
115°	467.3	491.0	510.8	528.1	535.7	543.4	555.6	562.6	567.7	569.6
117.5°	469.9	492.9	512.7	528.7	537.0	543.4	554.9	562.6	567.7	568.4
120°	470.5	493.6	512.7	528.7	535.7	542.8	554.3	562.0	567.1	567.1
122.5°	470.5	492.9	512.1	527.4	533.8	540.2	551.1	560.0	564.5	564.5
125°	468.0	490.4	508.9	524.2	530.6	536.4	547.9	556.2	560.7	561.3
127.5°	464.1	485.9	504.4	519.8	526.2	531.3	543.4	551.1	555.6	556.2
130°	459.0	480.8	498.7	513.4	519.8	525.5	535.7	544.1	549.2	550.5
132.5°	453.3	473.7	491.6	505.7	512.1	517.2	527.4	535.7	540.2	542.1
135°	446.2	465.4	482.7	496.7	503.1	508.3	517.8	526.2	530.6	532.6
137.5°	437.3	455.8	472.5	486.5	492.3	497.4	507.0	514.7	518.5	521.0
140°	427.1	444.3	461.6	474.4	480.1	485.2	493.6	501.9	505.7	507.6
142.5°	416.2	433.5	448.8	461.6	466.7	471.8	480.1	487.8	491.6	492.3
145°	404.7	421.3	435.4	447.5	452.0	457.1	464.8	472.5	476.3	476.9
147.5°	391.9	407.2	420.7	432.2	437.3	441.1	448.2	455.2	459.0	459.7
150°	377.2	391.3	403.4	414.9	419.4	423.2	430.9	437.3	441.1	441.8
152.5°	363.1	376.6	386.8	397.0	401.5	405.3	411.7	418.1	421.9	422.6
155°	348.4	360.6	370.8	379.1	383.0	386.8	391.9	397.7	400.9	401.5
157.5°	333.1	344.6	353.5	361.2	365.1	368.2	372.7	377.8	379.8	381.0
160°	316.5	326.1	333.7	341.4	344.6	347.8	352.3	356.1	358.7	359.3
162.5°	298.6	306.9	313.3	320.3	322.2	324.8	329.2	333.1	335.0	335.6
165°	280.0	287.7	293.4	299.2	300.5	302.4	305.6	309.4	310.7	312.0
167.5°	261.5	267.9	271.7	276.8	278.7	280.0	283.2	285.8	287.1	287.7
170°	243.6	248.1	251.3	255.1	255.7	257.6	259.6	262.1	262.8	262.8
172.5°	229.5	231.4	233.4	234.6	235.3	235.9	237.2	237.8	237.8	237.8
175°	220.6	221.8	221.8	222.5	222.5	222.5	222.5	222.5	222.5	222.5
177.5°	215.4	215.4	215.4	214.8	214.8	214.8	214.8	214.2	214.2	214.2
180°	214.2	214.2	214.2	214.2	214.2	214.2	214.2	214.2	214.2	214.2

(END OF REPORT)