

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: P395694

Luminaire Tested: **I3-UL-30L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395694
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-30L93050-1D-UNV-W2A-W-4 (3500K)
Description: CORELITE I3, OPEN TOP
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2575.9 lumens
Efficiency: N/A
Efficacy: 122.1 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

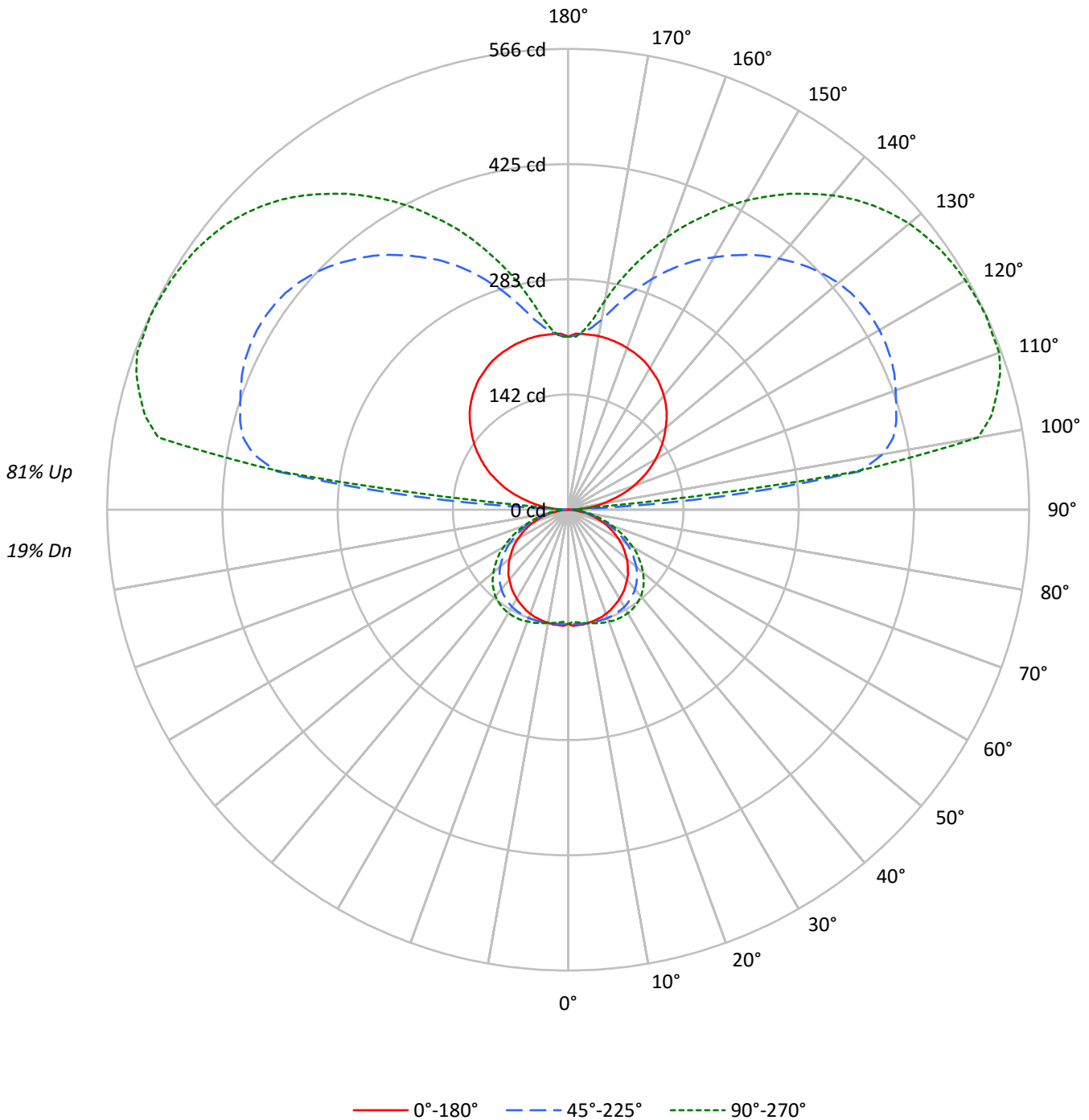
Input Watts (W): 21.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	771	771	771
5°	782	760	745
10°	781	755	746
15°	782	752	753
20°	783	755	762
25°	781	757	773
30°	782	758	780
35°	782	754	784
40°	779	749	779
45°	772	733	763
50°	765	709	734
55°	752	674	693
60°	728	626	637
65°	696	558	568
70°	658	484	479
75°	570	380	384
80°	454	273	278
85°	267	159	184



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	0.5
10°-20°	40.0	1.6
20°-30°	64.4	2.5
30°-40°	82.9	3.2
40°-50°	91.0	3.5
50°-60°	85.6	3.3
60°-70°	66.5	2.6
70°-80°	38.1	1.5
80°-90°	12.2	0.5
90°-100°	164.7	6.4
100°-110°	391.3	15.2
110°-120°	393.1	15.3
120°-130°	360.5	14.0
130°-140°	301.4	11.7
140°-150°	226.2	8.8
150°-160°	147.3	5.7
160°-170°	75.8	2.9
170°-180°	21.5	0.8
0°-30°	117.9	4.6
0°-40°	200.7	7.8
0°-60°	377.3	14.6
0°-90°	494.1	19.2
90°-120°	949.1	36.8
90°-150°	1837.2	71.3
90°-180°	2082.0	80.8
0°-180°	2575.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	140	140	140	140	140	
5°	142	141	141	140	139	14
15°	139	138	142	144	144	39
25°	131	133	140	145	147	61
35°	120	123	133	142	144	75
45°	104	109	119	128	131	80
55°	83	88	97	104	107	74
65°	58	62	67	73	75	58
75°	31	32	36	39	41	33
85°	6	8	10	13	14	7
90°	1	2	4	6	6	2
95°	22	184	189	25	22	22
105°	64	247	417	514	545	68
115°	106	278	437	532	566	104
125°	141	290	440	527	557	126
135°	171	289	420	500	529	132
145°	193	277	382	449	474	121
155°	207	254	332	380	399	96
165°	215	229	269	298	310	61
175°	216	216	218	221	221	21
180°	213	213	213	213	213	



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CATALOG NUMBER: I3-UL-30L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3
2.5°	142.8	142.2	141.6	141.6	140.9	140.9	140.9	140.3	140.3	140.3	140.9
5°	142.2	142.2	141.6	140.9	140.9	140.9	140.3	140.3	140.3	140.3	140.9
7.5°	142.2	141.6	140.9	140.9	140.3	140.3	140.3	140.3	140.3	140.3	140.9
10°	140.9	140.9	140.3	140.3	139.7	140.3	140.3	140.3	140.3	140.3	141.6
12.5°	140.3	140.3	139.7	139.0	139.0	139.0	139.7	139.7	139.7	140.3	141.6
15°	139.0	139.0	138.4	138.4	138.4	138.4	139.0	139.0	139.7	140.3	141.6
17.5°	137.8	137.8	137.1	137.1	137.1	137.8	137.8	138.4	139.0	140.3	141.6
20°	135.9	135.9	135.9	135.9	135.9	136.5	136.5	137.1	138.4	139.7	141.6
22.5°	134.0	134.0	134.0	134.0	134.0	134.6	135.2	136.5	137.1	139.0	140.9
25°	131.4	131.4	131.4	131.4	132.0	132.7	133.3	134.6	135.9	137.8	140.3
27.5°	128.9	129.5	129.5	129.5	130.1	130.8	131.4	132.7	134.6	137.1	139.0
30°	126.3	126.3	126.3	127.0	127.6	128.2	129.5	130.8	132.7	135.2	137.8
32.5°	123.2	123.2	123.8	123.8	125.1	125.7	127.0	128.9	130.8	133.3	135.9
35°	120.0	120.0	120.0	121.3	121.9	123.2	123.8	125.7	128.2	130.8	133.3
37.5°	116.2	116.8	116.8	117.4	118.7	120.0	120.6	123.2	125.7	128.2	130.8
40°	112.4	113.0	113.0	113.6	115.5	116.2	117.4	120.0	121.9	125.1	127.6
42.5°	108.6	108.6	109.2	109.8	111.7	112.4	113.6	116.2	118.7	121.3	123.8
45°	103.5	104.1	104.7	105.4	107.3	108.6	109.8	111.7	114.3	116.8	119.3
47.5°	99.0	99.0	99.7	100.9	102.8	104.1	104.7	107.3	109.2	111.7	114.3
50°	94.0	94.6	94.6	95.9	97.8	99.0	99.7	102.2	104.1	106.7	109.2
52.5°	88.2	88.9	89.5	90.8	92.7	94.0	94.6	96.5	98.4	100.9	102.8
55°	83.2	83.8	83.8	85.1	87.0	87.6	88.9	90.1	92.7	94.6	97.1
57.5°	77.4	78.1	78.1	79.4	80.6	81.9	82.5	84.4	86.3	88.2	90.1
60°	71.1	71.7	72.4	73.0	74.3	75.5	76.2	77.4	79.4	81.3	83.2
62.5°	64.8	65.4	66.0	66.7	67.9	68.6	69.2	71.1	72.4	74.3	75.5
65°	58.4	59.0	59.7	60.3	60.9	61.6	62.2	63.5	64.8	66.7	67.3
67.5°	52.1	52.7	52.7	53.3	54.0	54.6	55.2	56.5	57.1	59.0	59.7
70°	45.7	45.7	45.7	46.3	46.3	47.0	47.6	48.9	49.5	50.8	52.1
72.5°	38.1	38.7	38.7	38.7	39.4	40.0	40.6	41.3	41.9	42.5	43.8
75°	31.1	31.7	31.1	31.7	32.4	32.4	33.0	33.6	34.3	34.9	35.6
77.5°	24.8	24.1	24.8	24.8	25.4	25.4	25.4	26.0	27.3	27.3	28.6
80°	17.8	17.8	17.8	17.8	18.4	18.4	19.0	19.0	20.3	20.9	21.6
82.5°	11.4	11.4	12.1	12.1	12.1	12.7	12.7	13.3	14.0	14.6	15.2
85°	6.3	6.3	6.3	7.0	7.0	7.6	7.6	8.3	8.9	9.5	10.2
87.5°	1.9	2.5	3.2	3.2	3.8	3.8	4.4	4.4	5.7	6.3	7.0
90°	0.6	0.6	1.3	1.3	1.3	1.9	1.9	2.5	2.5	3.2	3.8
92.5°	10.8	25.4	52.7	78.7	67.9	63.5	38.1	11.4	10.2	10.8	10.8
95°	22.2	41.9	76.8	124.4	161.2	184.1	199.3	228.5	258.4	253.3	189.2
97.5°	32.4	54.0	92.7	136.5	187.3	213.3	233.0	267.9	306.0	337.7	360.6
100°	42.5	64.8	106.0	151.7	198.7	222.2	245.0	292.7	330.1	361.9	392.3
102.5°	53.3	75.5	118.1	165.7	212.0	234.9	257.1	299.0	340.9	379.0	408.8
105°	64.1	87.0	128.9	177.8	224.1	247.0	268.5	308.5	347.3	382.8	417.1
107.5°	75.5	97.1	138.4	187.3	233.6	256.5	278.1	318.1	355.5	391.1	422.2
110°	85.7	106.7	147.9	196.2	242.5	265.4	286.9	326.9	363.8	397.4	427.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	95.2	115.5	156.8	203.8	249.5	272.3	293.3	333.3	370.1	403.1	433.6
115°	106.0	123.8	165.7	210.8	255.8	278.1	299.0	338.4	375.2	407.6	437.4
117.5°	114.9	132.0	173.3	216.5	260.9	282.5	302.8	342.2	378.4	410.7	439.9
120°	123.8	139.7	180.3	221.6	264.7	285.7	306.0	344.7	380.9	412.6	441.2
122.5°	132.7	147.3	186.0	226.6	267.9	288.9	308.5	346.6	382.2	413.3	441.2
125°	140.9	153.6	191.1	230.4	269.8	290.1	309.2	346.6	381.5	412.0	439.9
127.5°	148.6	160.6	194.9	234.3	271.1	290.8	309.2	345.4	380.3	410.1	437.4
130°	156.2	167.0	198.7	236.2	272.3	290.1	307.9	342.8	377.1	406.9	433.0
132.5°	163.8	173.9	201.9	238.1	273.0	290.1	306.6	340.3	373.3	402.5	427.2
135°	170.8	179.0	205.1	239.3	272.3	288.9	304.1	335.8	367.6	396.1	420.3
137.5°	177.1	184.1	207.6	240.0	271.7	286.9	302.2	330.7	360.6	388.5	412.0
140°	182.8	189.2	208.9	240.0	269.2	284.4	298.4	325.7	353.0	379.6	402.5
142.5°	187.9	193.6	210.8	238.7	266.6	281.2	294.6	320.6	345.4	370.7	393.0
145°	193.0	197.4	212.0	238.1	263.5	276.8	289.5	314.2	338.4	361.2	382.2
147.5°	196.8	201.2	213.3	235.5	259.6	271.7	283.8	307.3	329.5	351.1	370.1
150°	200.6	204.4	213.9	233.0	255.2	266.0	276.8	299.0	320.6	340.3	358.0
152.5°	204.4	207.0	215.8	230.4	250.1	260.3	271.1	290.8	310.4	328.8	346.0
155°	207.0	208.9	216.5	227.9	245.0	253.9	262.8	281.2	299.0	316.1	332.0
157.5°	209.5	211.4	217.1	226.0	239.3	247.6	255.2	271.1	287.6	302.8	317.4
160°	211.4	212.7	217.1	224.7	234.3	240.0	247.0	261.6	275.5	288.9	301.5
162.5°	213.3	213.9	217.1	222.8	229.8	233.6	238.7	250.1	262.8	274.2	285.7
165°	214.6	215.2	217.1	221.6	226.0	229.2	231.7	240.0	249.5	259.6	269.2
167.5°	215.8	215.8	217.1	220.3	222.8	224.7	226.6	231.1	237.4	245.0	252.0
170°	216.5	216.5	217.1	219.0	220.9	221.6	222.8	225.4	228.5	232.3	236.8
172.5°	216.5	216.5	216.5	217.7	218.4	218.4	218.4	219.7	221.6	224.1	226.0
175°	216.5	215.8	215.8	216.5	215.8	215.8	215.8	215.8	216.5	217.7	218.4
177.5°	216.5	215.8	215.2	215.2	214.6	214.6	213.9	213.9	213.9	213.9	213.9
180°	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3
2.5°	140.9	140.9	140.3	139.7	139.7	139.7	139.0	138.4	137.8	137.8
5°	140.9	140.9	140.3	140.3	140.3	140.3	139.7	139.7	139.0	139.0
7.5°	141.6	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.3	140.3
10°	141.6	141.6	141.6	141.6	141.6	141.6	141.6	141.6	141.6	141.6
12.5°	142.2	142.2	142.2	142.2	142.8	142.8	142.8	142.8	142.8	142.8
15°	142.2	142.8	143.5	143.5	143.5	144.1	144.1	144.1	144.1	144.1
17.5°	142.8	143.5	144.1	144.1	144.7	144.7	145.4	145.4	145.4	145.4
20°	142.8	143.5	144.1	144.7	145.4	145.4	146.0	146.6	146.6	146.6
22.5°	142.2	143.5	144.1	144.7	145.4	146.0	146.6	147.3	147.3	147.3
25°	141.6	142.8	144.1	145.4	145.4	146.0	147.3	147.3	147.3	147.3
27.5°	140.9	142.2	143.5	144.7	145.4	146.0	146.6	147.3	147.3	147.3
30°	139.7	141.6	142.8	144.1	144.7	145.4	146.0	146.6	146.6	146.6
32.5°	137.8	139.7	140.9	142.8	143.5	144.1	144.7	145.4	145.4	145.4
35°	135.9	137.8	139.0	140.9	141.6	142.2	143.5	143.5	144.1	144.1
37.5°	132.7	135.2	136.5	138.4	139.0	139.7	140.9	141.6	141.6	141.6
40°	129.5	132.0	133.3	135.2	135.9	136.5	137.8	138.4	139.0	139.0
42.5°	125.7	128.2	129.5	131.4	132.0	132.7	134.0	134.6	135.2	135.2
45°	121.9	123.8	125.1	127.0	128.2	128.2	129.5	130.1	130.8	130.8
47.5°	116.8	118.7	120.0	121.9	123.2	123.8	124.4	125.1	125.7	125.7
50°	111.1	113.0	114.9	116.2	117.4	117.4	118.7	119.3	120.0	120.0
52.5°	105.4	106.7	108.6	110.5	111.1	111.7	112.4	113.0	113.6	113.6
55°	99.0	100.3	102.2	103.5	104.1	104.7	105.4	106.0	106.7	106.7
57.5°	92.1	93.3	95.2	96.5	97.1	97.8	98.4	99.0	99.7	99.7
60°	84.4	85.7	87.6	88.9	89.5	89.5	90.8	91.4	91.4	91.4
62.5°	76.8	78.1	79.4	80.6	81.3	81.9	82.5	83.2	83.2	83.2
65°	69.2	70.5	71.7	72.4	73.0	73.0	73.6	74.3	74.9	74.9
67.5°	60.9	62.2	63.5	64.1	64.8	64.8	65.4	66.0	66.0	66.0
70°	52.7	53.3	54.6	55.2	55.9	55.9	57.1	57.1	57.1	57.1
72.5°	44.4	45.1	46.3	47.0	47.6	47.6	48.2	48.9	48.9	48.9
75°	36.8	37.5	38.1	39.4	39.4	39.4	40.0	40.6	40.6	40.6
77.5°	29.2	29.8	30.5	31.1	31.7	31.7	32.4	33.0	33.0	33.0
80°	22.2	22.9	23.5	24.1	24.1	24.8	24.8	25.4	25.4	25.4
82.5°	15.9	16.5	17.1	17.8	18.4	18.4	19.0	19.7	19.7	19.0
85°	10.8	12.1	12.7	13.3	13.3	13.3	14.0	14.6	14.6	14.0
87.5°	7.6	7.6	8.3	8.9	8.9	9.5	9.5	10.2	10.2	10.2
90°	4.4	4.4	5.1	5.1	5.7	5.7	5.7	6.3	6.3	6.3
92.5°	10.8	10.8	11.4	11.4	11.4	11.4	12.1	12.1	12.1	12.1
95°	115.5	52.1	43.8	26.7	25.4	22.2	21.6	22.2	22.2	21.6
97.5°	387.9	415.2	432.3	440.6	430.4	419.6	407.6	405.7	389.2	352.3
100°	418.4	439.9	460.9	475.5	481.2	486.3	497.7	504.7	507.9	511.0
102.5°	433.6	456.4	474.9	493.3	500.9	507.9	518.0	526.3	529.5	532.0
105°	446.9	470.4	490.7	507.2	514.2	520.6	530.7	538.3	544.1	544.7
107.5°	450.1	474.9	497.7	518.0	526.3	533.3	545.3	551.0	556.1	556.1
110°	455.8	479.3	500.3	518.7	526.9	535.2	547.9	556.8	561.8	563.1



TEST NUMBER: P395694

CATALOG NUMBER: I3-UL-30L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	460.3	484.4	504.1	522.5	529.5	537.1	549.1	557.4	561.8	563.7
115°	464.1	487.6	507.2	524.4	532.0	539.6	551.7	558.7	563.7	565.6
117.5°	466.6	489.5	509.1	525.0	533.3	539.6	551.0	558.7	563.7	564.4
120°	467.2	490.1	509.1	525.0	532.0	539.0	550.4	558.0	563.1	563.1
122.5°	467.2	489.5	508.5	523.7	530.1	536.4	547.2	556.1	560.6	560.6
125°	464.7	486.9	505.3	520.6	526.9	532.6	544.1	552.3	556.8	557.4
127.5°	460.9	482.5	500.9	516.1	522.5	527.5	539.6	547.2	551.7	552.3
130°	455.8	477.4	495.2	509.8	516.1	521.8	532.0	540.2	545.3	546.6
132.5°	450.1	470.4	488.2	502.2	508.5	513.6	523.7	532.0	536.4	538.3
135°	443.1	462.2	479.3	493.3	499.6	504.7	514.2	522.5	526.9	528.8
137.5°	434.2	452.6	469.1	483.1	488.8	493.9	503.4	511.0	514.9	517.4
140°	424.1	441.2	458.4	471.0	476.8	481.8	490.1	498.3	502.2	504.1
142.5°	413.3	430.4	445.7	458.4	463.4	468.5	476.8	484.4	488.2	488.8
145°	401.9	418.4	432.3	444.4	448.8	453.9	461.5	469.1	473.0	473.6
147.5°	389.2	404.4	417.7	429.1	434.2	438.0	445.0	452.0	455.8	456.4
150°	374.6	388.5	400.6	412.0	416.5	420.3	427.9	434.2	438.0	438.7
152.5°	360.6	373.9	384.1	394.2	398.7	402.5	408.8	415.2	419.0	419.6
155°	346.0	358.0	368.2	376.5	380.3	384.1	389.2	394.9	398.0	398.7
157.5°	330.7	342.2	351.1	358.7	362.5	365.7	370.1	375.2	377.1	378.4
160°	314.2	323.8	331.4	339.0	342.2	345.4	349.8	353.6	356.1	356.8
162.5°	296.5	304.7	311.1	318.1	320.0	322.5	326.9	330.7	332.7	333.3
165°	278.1	285.7	291.4	297.1	298.4	300.3	303.5	307.3	308.5	309.8
167.5°	259.6	266.0	269.8	274.9	276.8	278.1	281.2	283.8	285.0	285.7
170°	241.9	246.3	249.5	253.3	253.9	255.8	257.7	260.3	260.9	260.9
172.5°	227.9	229.8	231.7	233.0	233.6	234.3	235.5	236.2	236.2	236.2
175°	219.0	220.3	220.3	220.9	220.9	220.9	220.9	220.9	220.9	220.9
177.5°	213.9	213.9	213.9	213.3	213.3	213.3	213.3	212.7	212.7	212.7
180°	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7	212.7

(END OF REPORT)