

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: P395058

Luminaire Tested: **I3-UL-30L935-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395058
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-UL-30L935-1D-UNV-STD-W-4
Description: CORELITE I3, OPEN TOP
3000 LUMENS
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

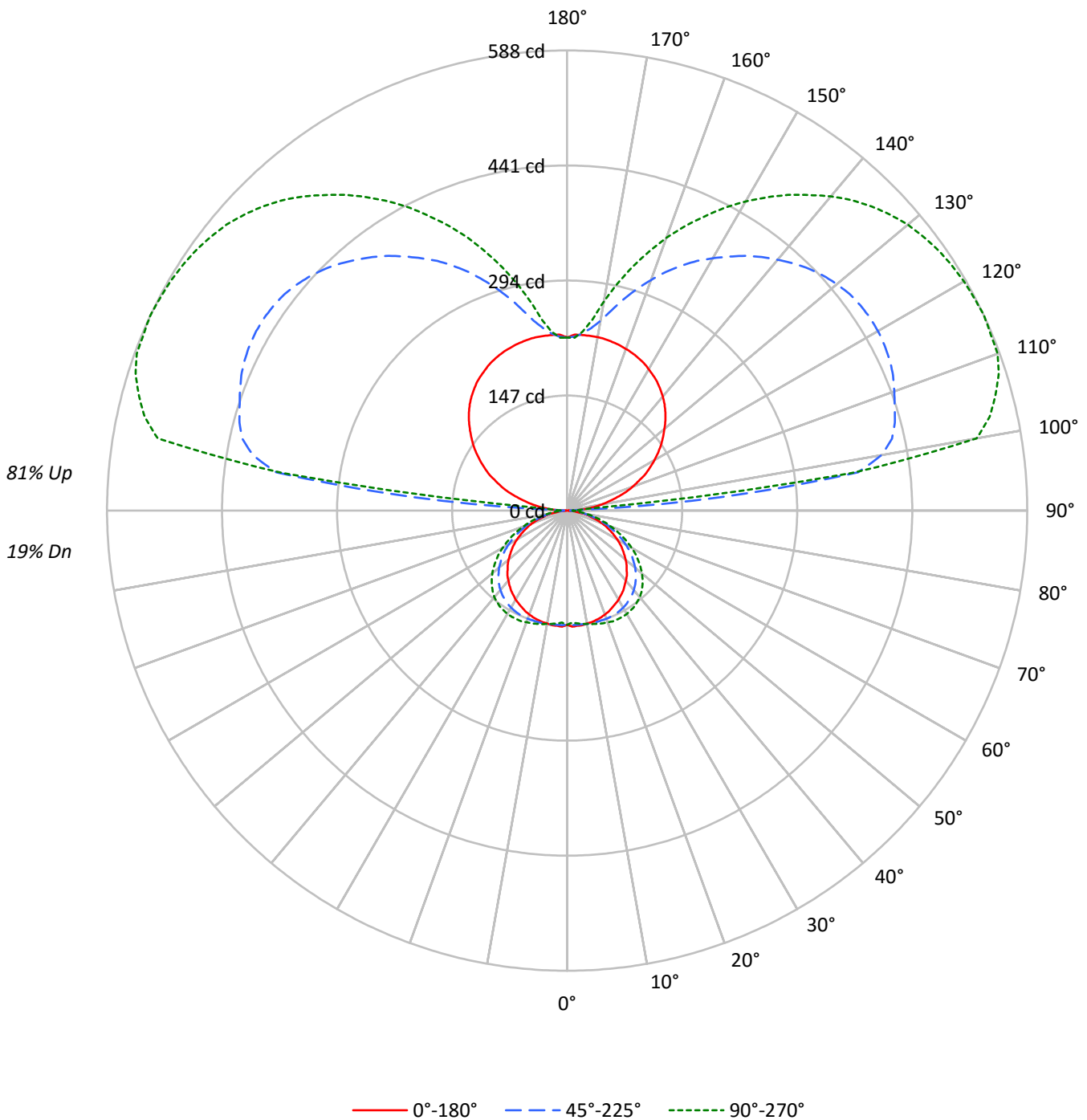
Lumens per Lamp: N/A
Luminaire Lumens: 2678.2 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 19.7
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



TEST NUMBER: P395058
CATALOG NUMBER: I3-UL-30L935-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P395058

CATALOG NUMBER: I3-UL-30L935-1D-UNV-STD-W-4

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°	802	802	802
5°	812	790	775
10°	812	784	775
15°	814	781	783
20°	814	785	792
25°	812	787	804
30°	814	788	812
35°	813	784	815
40°	809	779	811
45°	802	762	793
50°	795	738	764
55°	781	702	720
60°	758	650	663
65°	723	580	591
70°	683	503	498
75°	594	393	400
80°	472	284	289
85°	280	166	191



TEST NUMBER: P395058

CATALOG NUMBER: I3-UL-30L935-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	0.5
10°-20°	41.6	1.6
20°-30°	67.0	2.5
30°-40°	86.2	3.2
40°-50°	94.6	3.5
50°-60°	89.0	3.3
60°-70°	69.1	2.6
70°-80°	39.6	1.5
80°-90°	12.7	0.5
90°-100°	171.2	6.4
100°-110°	406.8	15.2
110°-120°	408.7	15.3
120°-130°	374.8	14.0
130°-140°	313.4	11.7
140°-150°	235.2	8.8
150°-160°	153.1	5.7
160°-170°	78.9	2.9
170°-180°	22.3	0.8
0°-30°	122.5	4.6
0°-40°	208.7	7.8
0°-60°	392.3	14.6
0°-90°	513.8	19.2
90°-120°	986.7	36.8
90°-150°	1910.2	71.3
90°-180°	2164.0	80.8
0°-180°	2678.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	146	146	146	146	146	
5°	148	146	146	146	145	14
15°	145	144	147	149	150	41
25°	137	138	146	151	153	63
35°	125	128	139	147	150	78
45°	108	113	124	133	136	83
55°	86	91	101	108	111	77
65°	61	64	70	76	78	60
75°	32	34	37	41	42	34
85°	7	8	11	14	15	8
90°	1	2	4	6	7	2
95°	23	191	197	26	22	23
105°	67	257	434	535	566	70
115°	110	289	455	553	588	108
125°	146	302	457	548	580	131
135°	178	300	437	519	550	137
145°	201	288	397	467	492	125
155°	215	264	345	395	414	99
165°	223	238	280	310	322	63
175°	225	224	227	230	230	21
180°	221	221	221	221	221	



TEST NUMBER: P395058

CATALOG NUMBER: I3-UL-30L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	145.9	145.9	145.9	145.9	145.9	145.9	145.9	145.9	145.9	145.9	145.9
2.5°	148.5	147.8	147.1	147.1	146.5	146.5	146.5	145.9	145.9	145.9	146.5
5°	147.8	147.8	147.1	146.5	146.5	146.5	145.9	145.9	145.9	145.9	146.5
7.5°	147.8	147.1	146.5	146.5	145.9	145.9	145.9	145.9	145.9	145.9	146.5
10°	146.5	146.5	145.9	145.9	145.2	145.9	145.9	145.9	145.9	145.9	147.1
12.5°	145.9	145.9	145.2	144.6	144.6	144.6	145.2	145.2	145.2	145.9	147.1
15°	144.6	144.6	143.9	143.9	143.9	143.9	144.6	144.6	145.2	145.9	147.1
17.5°	143.2	143.2	142.6	142.6	142.6	143.2	143.2	143.9	144.6	145.9	147.1
20°	141.3	141.3	141.3	141.3	141.3	141.9	141.9	142.6	143.9	145.2	147.1
22.5°	139.3	139.3	139.3	139.3	139.3	139.9	140.6	141.9	142.6	144.6	146.5
25°	136.6	136.6	136.6	136.6	137.3	137.9	138.6	139.9	141.3	143.2	145.9
27.5°	134.0	134.7	134.7	134.7	135.3	136.0	136.6	137.9	139.9	142.6	144.6
30°	131.4	131.4	131.4	132.0	132.7	133.4	134.7	136.0	137.9	140.6	143.2
32.5°	128.0	128.0	128.7	128.7	130.0	130.7	132.0	134.0	136.0	138.6	141.3
35°	124.8	124.8	124.8	126.1	126.7	128.0	128.7	130.7	133.4	136.0	138.6
37.5°	120.8	121.5	121.5	122.1	123.5	124.8	125.4	128.0	130.7	133.4	136.0
40°	116.8	117.5	117.5	118.1	120.1	120.8	122.1	124.8	126.7	130.0	132.7
42.5°	112.9	112.9	113.6	114.2	116.1	116.8	118.1	120.8	123.5	126.1	128.7
45°	107.6	108.2	108.9	109.6	111.6	112.9	114.2	116.1	118.8	121.5	124.1
47.5°	103.0	103.0	103.7	105.0	106.9	108.2	108.9	111.6	113.6	116.1	118.8
50°	97.7	98.3	98.3	99.7	101.7	103.0	103.7	106.2	108.2	110.9	113.6
52.5°	91.8	92.4	93.1	94.4	96.3	97.7	98.3	100.3	102.3	105.0	106.9
55°	86.4	87.1	87.1	88.4	90.4	91.1	92.4	93.8	96.3	98.3	101.0
57.5°	80.5	81.2	81.2	82.5	83.9	85.2	85.8	87.8	89.8	91.8	93.8
60°	74.0	74.6	75.3	75.9	77.2	78.5	79.2	80.5	82.5	84.5	86.4
62.5°	67.3	68.0	68.6	69.3	70.6	71.3	72.0	74.0	75.3	77.2	78.5
65°	60.7	61.4	62.1	62.7	63.4	64.1	64.7	66.0	67.3	69.3	70.0
67.5°	54.2	54.8	54.8	55.4	56.1	56.7	57.4	58.7	59.4	61.4	62.1
70°	47.5	47.5	47.5	48.2	48.2	48.8	49.5	50.8	51.5	52.8	54.2
72.5°	39.6	40.3	40.3	40.3	40.9	41.6	42.3	42.9	43.6	44.3	45.5
75°	32.4	33.0	32.4	33.0	33.7	33.7	34.4	35.0	35.6	36.3	36.9
77.5°	25.7	25.1	25.7	25.7	26.4	26.4	26.4	27.0	28.4	28.4	29.7
80°	18.5	18.5	18.5	18.5	19.1	19.1	19.8	19.8	21.1	21.8	22.5
82.5°	11.9	11.9	12.6	12.6	12.6	13.2	13.2	13.9	14.6	15.2	15.8
85°	6.6	6.6	6.6	7.2	7.2	7.9	7.9	8.6	9.2	9.9	10.6
87.5°	2.0	2.7	3.3	3.3	4.0	4.0	4.6	4.6	5.9	6.6	7.2
90°	0.7	0.7	1.3	1.3	1.3	2.0	2.0	2.7	2.7	3.3	4.0
92.5°	11.2	26.4	54.8	81.9	70.6	66.0	39.6	11.9	10.6	11.2	11.2
95°	23.1	43.6	79.9	129.4	167.6	191.4	207.2	237.6	268.6	263.4	196.7
97.5°	33.7	56.1	96.3	141.9	194.7	221.8	242.2	278.5	318.1	351.1	374.9
100°	44.3	67.3	110.2	157.7	206.6	231.0	254.8	304.3	343.2	376.3	407.9
102.5°	55.4	78.5	122.8	172.3	220.4	244.2	267.3	310.9	354.5	394.1	425.1
105°	66.6	90.4	134.0	184.8	233.0	256.8	279.2	320.8	361.0	398.0	433.6
107.5°	78.5	101.0	143.9	194.7	242.9	266.7	289.1	330.7	369.6	406.6	438.9
110°	89.1	110.9	153.8	204.0	252.1	275.9	298.3	339.9	378.2	413.2	444.9



TEST NUMBER: P395058

CATALOG NUMBER: I3-UL-30L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	99.0	120.1	163.0	211.9	259.4	283.2	305.0	346.6	384.8	419.1	450.8
115°	110.2	128.7	172.3	219.1	266.0	289.1	310.9	351.8	390.1	423.8	454.8
117.5°	119.5	137.3	180.2	225.1	271.3	293.7	314.9	355.8	393.4	427.1	457.4
120°	128.7	145.2	187.4	230.3	275.3	297.0	318.1	358.4	396.1	429.0	458.7
122.5°	137.9	153.1	193.4	235.7	278.5	300.3	320.8	360.4	397.4	429.6	458.7
125°	146.5	159.7	198.6	239.6	280.5	301.6	321.4	360.4	396.7	428.3	457.4
127.5°	154.5	166.9	202.6	243.6	281.8	302.3	321.4	359.0	395.4	426.4	454.8
130°	162.4	173.6	206.6	245.6	283.2	301.6	320.1	356.5	392.1	423.1	450.1
132.5°	170.3	180.8	209.9	247.5	283.8	301.6	318.8	353.8	388.1	418.4	444.2
135°	177.5	186.1	213.2	248.8	283.2	300.3	316.2	349.1	382.2	411.9	437.0
137.5°	184.2	191.4	215.9	249.5	282.5	298.3	314.2	343.9	374.9	404.0	428.3
140°	190.1	196.7	217.1	249.5	279.8	295.7	310.2	338.6	367.0	394.7	418.4
142.5°	195.4	201.3	219.1	248.1	277.2	292.4	306.3	333.3	359.0	385.5	408.5
145°	200.6	205.3	220.4	247.5	273.9	287.7	301.0	326.7	351.8	375.6	397.4
147.5°	204.6	209.2	221.8	244.9	269.9	282.5	295.1	319.4	342.6	365.0	384.8
150°	208.5	212.5	222.4	242.2	265.4	276.6	287.7	310.9	333.3	353.8	372.3
152.5°	212.5	215.2	224.4	239.6	260.0	270.6	281.8	302.3	322.8	341.9	359.7
155°	215.2	217.1	225.1	236.9	254.8	264.0	273.3	292.4	310.9	328.7	345.2
157.5°	217.8	219.8	225.8	235.0	248.8	257.4	265.4	281.8	299.0	314.9	330.0
160°	219.8	221.1	225.8	233.7	243.6	249.5	256.8	271.9	286.5	300.3	313.5
162.5°	221.8	222.4	225.8	231.7	238.9	242.9	248.1	260.0	273.3	285.2	297.0
165°	223.1	223.8	225.8	230.3	235.0	238.2	240.9	249.5	259.4	269.9	279.8
167.5°	224.4	224.4	225.8	229.0	231.7	233.7	235.7	240.2	246.8	254.8	262.0
170°	225.1	225.1	225.8	227.7	229.7	230.3	231.7	234.3	237.6	241.6	246.2
172.5°	225.1	225.1	225.1	226.4	227.0	227.0	227.0	228.3	230.3	233.0	235.0
175°	225.1	224.4	224.4	225.1	224.4	224.4	224.4	224.4	225.1	226.4	227.0
177.5°	225.1	224.4	223.8	223.8	223.1	223.1	222.4	222.4	222.4	222.4	222.4
180°	221.1	221.1	221.1	221.1	221.1	221.1	221.1	221.1	221.1	221.1	221.1



TEST NUMBER: P395058

CATALOG NUMBER: I3-UL-30L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	145.9	145.9	145.9	145.9	145.9	145.9	145.9	145.9	145.9	145.9
2.5°	146.5	146.5	145.9	145.2	145.2	145.2	144.6	143.9	143.2	143.2
5°	146.5	146.5	145.9	145.9	145.9	145.9	145.2	145.2	144.6	144.6
7.5°	147.1	146.5	146.5	146.5	146.5	146.5	146.5	146.5	145.9	145.9
10°	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1	147.1
12.5°	147.8	147.8	147.8	147.8	148.5	148.5	148.5	148.5	148.5	148.5
15°	147.8	148.5	149.1	149.1	149.1	149.8	149.8	149.8	149.8	149.8
17.5°	148.5	149.1	149.8	149.8	150.5	150.5	151.1	151.1	151.1	151.1
20°	148.5	149.1	149.8	150.5	151.1	151.1	151.8	152.5	152.5	151.8
22.5°	147.8	149.1	149.8	150.5	151.1	151.8	152.5	153.1	153.1	153.1
25°	147.1	148.5	149.8	151.1	151.1	151.8	153.1	153.1	153.1	153.1
27.5°	146.5	147.8	149.1	150.5	151.1	151.8	152.5	153.1	153.1	153.1
30°	145.2	147.1	148.5	149.8	150.5	151.1	151.8	152.5	152.5	152.5
32.5°	143.2	145.2	146.5	148.5	149.1	149.8	150.5	151.1	151.1	151.1
35°	141.3	143.2	144.6	146.5	147.1	147.8	149.1	149.1	149.8	149.8
37.5°	137.9	140.6	141.9	143.9	144.6	145.2	146.5	147.1	147.1	147.1
40°	134.7	137.3	138.6	140.6	141.3	141.9	143.2	143.9	144.6	144.6
42.5°	130.7	133.4	134.7	136.6	137.3	137.9	139.3	139.9	140.6	140.6
45°	126.7	128.7	130.0	132.0	133.4	133.4	134.7	135.3	136.0	136.0
47.5°	121.5	123.5	124.8	126.7	128.0	128.7	129.4	130.0	130.7	130.7
50°	115.5	117.5	119.5	120.8	122.1	122.1	123.5	124.1	124.8	124.8
52.5°	109.6	110.9	112.9	114.9	115.5	116.1	116.8	117.5	118.1	118.1
55°	103.0	104.3	106.2	107.6	108.2	108.9	109.6	110.2	110.9	110.9
57.5°	95.7	97.0	99.0	100.3	101.0	101.7	102.3	103.0	103.7	103.7
60°	87.8	89.1	91.1	92.4	93.1	93.1	94.4	95.1	95.1	95.1
62.5°	79.9	81.2	82.5	83.9	84.5	85.2	85.8	86.4	86.4	86.4
65°	72.0	73.3	74.6	75.3	75.9	75.9	76.5	77.2	77.9	77.9
67.5°	63.4	64.7	66.0	66.6	67.3	67.3	68.0	68.6	68.6	68.6
70°	54.8	55.4	56.7	57.4	58.1	58.1	59.4	59.4	59.4	59.4
72.5°	46.2	46.8	48.2	48.8	49.5	49.5	50.2	50.8	50.8	50.8
75°	38.3	38.9	39.6	40.9	40.9	40.9	41.6	42.3	42.3	42.3
77.5°	30.4	31.0	31.7	32.4	33.0	33.0	33.7	34.4	34.4	34.4
80°	23.1	23.8	24.5	25.1	25.1	25.7	25.7	26.4	26.4	26.4
82.5°	16.5	17.1	17.8	18.5	19.1	19.1	19.8	20.5	20.5	19.8
85°	11.2	12.6	13.2	13.9	13.9	13.9	14.6	15.2	15.2	14.6
87.5°	7.9	7.9	8.6	9.2	9.2	9.9	9.9	10.6	10.6	10.6
90°	4.6	4.6	5.3	5.3	5.9	5.9	5.9	6.6	6.6	6.6
92.5°	11.2	11.2	11.9	11.9	11.9	11.9	12.6	12.6	12.6	12.6
95°	120.1	54.2	45.5	27.7	26.4	23.1	22.5	23.1	23.1	22.5
97.5°	403.3	431.6	449.4	458.1	447.5	436.3	423.8	421.8	404.6	366.4
100°	435.0	457.4	479.1	494.4	500.3	505.6	517.5	524.7	528.1	531.3
102.5°	450.8	474.6	493.7	512.8	520.7	528.1	538.6	547.2	550.4	553.1
105°	464.7	489.0	510.2	527.4	534.6	541.2	551.8	559.7	565.7	566.3
107.5°	468.0	493.7	517.5	538.6	547.2	554.4	567.0	572.9	578.2	578.2
110°	473.9	498.3	520.1	539.2	547.9	556.4	569.6	578.9	584.1	585.5



TEST NUMBER: P395058

CATALOG NUMBER: I3-UL-30L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	478.5	503.6	524.1	543.2	550.4	558.4	570.9	579.5	584.1	586.1
115°	482.5	506.9	527.4	545.2	553.1	561.0	573.6	580.8	586.1	588.1
117.5°	485.1	508.9	529.3	545.9	554.4	561.0	572.9	580.8	586.1	586.8
120°	485.8	509.5	529.3	545.9	553.1	560.3	572.2	580.1	585.5	585.5
122.5°	485.8	508.9	528.7	544.5	551.1	557.8	568.9	578.2	582.8	582.8
125°	483.1	506.3	525.4	541.2	547.9	553.8	565.7	574.2	578.9	579.5
127.5°	479.1	501.6	520.7	536.6	543.2	548.5	561.0	568.9	573.6	574.2
130°	473.9	496.4	514.8	530.0	536.6	542.5	553.1	561.7	567.0	568.3
132.5°	468.0	489.0	507.6	522.1	528.7	534.0	544.5	553.1	557.8	559.7
135°	460.7	480.5	498.3	512.8	519.4	524.7	534.6	543.2	547.9	549.8
137.5°	451.4	470.6	487.8	502.3	508.2	513.5	523.4	531.3	535.3	538.0
140°	440.9	458.7	476.6	489.7	495.7	500.9	509.5	518.1	522.1	524.1
142.5°	429.6	447.5	463.3	476.6	481.8	487.1	495.7	503.6	507.6	508.2
145°	417.8	435.0	449.4	462.0	466.7	471.9	479.8	487.8	491.7	492.4
147.5°	404.6	420.4	434.3	446.2	451.4	455.4	462.7	469.9	473.9	474.6
150°	389.4	404.0	416.5	428.3	433.0	437.0	444.9	451.4	455.4	456.1
152.5°	374.9	388.7	399.3	409.9	414.5	418.4	425.1	431.6	435.6	436.3
155°	359.7	372.3	382.8	391.4	395.4	399.3	404.6	410.5	413.9	414.5
157.5°	343.9	355.8	365.0	372.9	376.9	380.2	384.8	390.1	392.1	393.4
160°	326.7	336.7	344.6	352.5	355.8	359.0	363.7	367.6	370.3	370.9
162.5°	308.2	316.8	323.4	330.7	332.7	335.3	339.9	343.9	345.9	346.6
165°	289.1	297.0	303.0	308.9	310.2	312.2	315.5	319.4	320.8	322.1
167.5°	269.9	276.6	280.5	285.8	287.7	289.1	292.4	295.1	296.4	297.0
170°	251.5	256.1	259.4	263.4	264.0	266.0	267.9	270.6	271.3	271.3
172.5°	236.9	238.9	240.9	242.2	242.9	243.6	244.9	245.6	245.6	245.6
175°	227.7	229.0	229.0	229.7	229.7	229.7	229.7	229.7	229.7	229.7
177.5°	222.4	222.4	222.4	221.8	221.8	221.8	221.8	221.1	221.1	221.1
180°	221.1	221.1	221.1	221.1	221.1	221.1	221.1	221.1	221.1	221.1

(END OF REPORT)