

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: P395068

Luminaire Tested: **I3-UL-60L940-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395068  
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-60L940-1D-UNV-STD-W-4  
Description: CORELITE I3, OPEN TOP  
6000 LUMENS  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

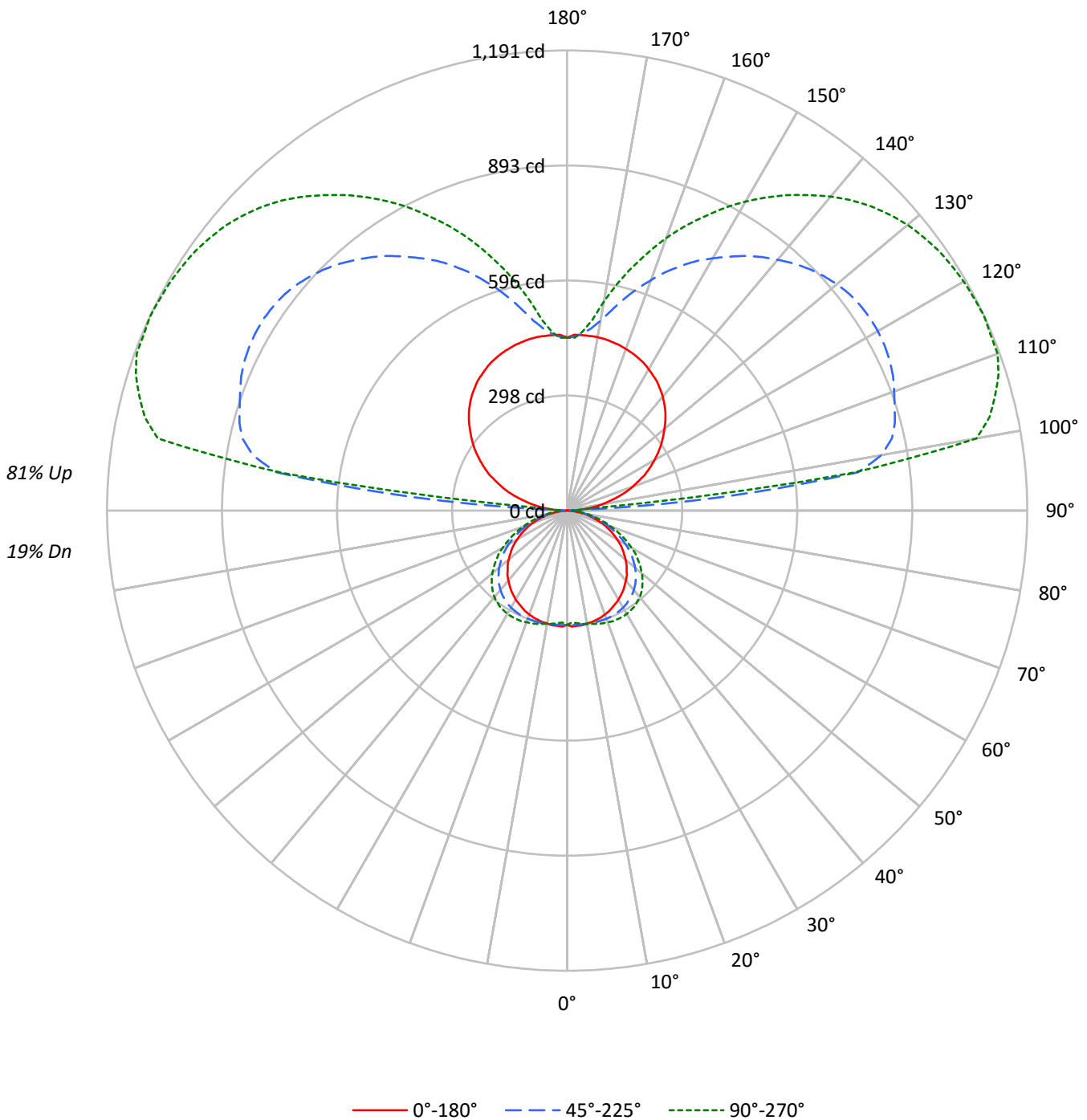
Lumens per Lamp: N/A  
Luminaire Lumens: 5422.8 lumens  
Efficiency: N/A  
Efficacy: 131.3 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')  
CIE Type: Semi-Indirect

Input Watts (W): 41.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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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CATALOG NUMBER: I3-UL-60L940-1D-UNV-STD-W-4

### 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	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°	1624	1624	1624
5°	1645	1600	1569
10°	1644	1589	1571
15°	1647	1583	1585
20°	1647	1589	1604
25°	1645	1594	1627
30°	1648	1596	1643
35°	1646	1587	1651
40°	1639	1576	1641
45°	1624	1543	1605
50°	1610	1492	1546
55°	1582	1420	1457
60°	1533	1318	1341
65°	1465	1173	1196
70°	1384	1018	1009
75°	1200	799	810
80°	954	574	585
85°	564	334	385



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.3	0.5
10°-20°	84.3	1.6
20°-30°	135.6	2.5
30°-40°	174.5	3.2
40°-50°	191.6	3.5
50°-60°	180.1	3.3
60°-70°	139.9	2.6
70°-80°	80.3	1.5
80°-90°	25.7	0.5
90°-100°	346.6	6.4
100°-110°	823.8	15.2
110°-120°	827.5	15.3
120°-130°	758.9	14.0
130°-140°	634.6	11.7
140°-150°	476.3	8.8
150°-160°	310.1	5.7
160°-170°	159.7	2.9
170°-180°	45.2	0.8
0°-30°	248.1	4.6
0°-40°	422.6	7.8
0°-60°	794.3	14.6
0°-90°	1040.2	19.2
90°-120°	1997.9	36.8
90°-150°	3867.7	71.3
90°-180°	4383.0	80.8
0°-180°	5422.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	295	295	295	295	295	
5°	299	297	297	295	293	29
15°	293	291	298	302	303	83
25°	277	279	295	306	310	128
35°	253	259	281	298	303	158
45°	218	228	251	270	275	168
55°	175	184	204	219	224	156
65°	123	130	142	154	158	122
75°	66	68	75	83	86	70
85°	13	16	21	28	29	16
90°	1	4	8	12	13	4
95°	47	388	398	53	46	47
105°	135	520	878	1083	1147	143
115°	223	585	921	1120	1191	219
125°	297	611	926	1109	1173	265
135°	360	608	885	1052	1113	277
145°	406	583	804	945	997	254
155°	436	535	699	800	839	201
165°	452	482	567	628	652	128
175°	456	454	460	465	465	43
180°	448	448	448	448	448	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	295.4	295.4	295.4	295.4	295.4	295.4	295.4	295.4	295.4	295.4	295.4
2.5°	300.7	299.3	298.0	298.0	296.7	296.7	296.7	295.4	295.4	295.4	296.7
5°	299.3	299.3	298.0	296.7	296.7	296.7	295.4	295.4	295.4	295.4	296.7
7.5°	299.3	298.0	296.7	296.7	295.4	295.4	295.4	295.4	295.4	295.4	296.7
10°	296.7	296.7	295.4	295.4	294.0	295.4	295.4	295.4	295.4	295.4	298.0
12.5°	295.4	295.4	294.0	292.7	292.7	292.7	294.0	294.0	294.0	295.4	298.0
15°	292.7	292.7	291.3	291.3	291.3	291.3	292.7	292.7	294.0	295.4	298.0
17.5°	290.0	290.0	288.7	288.7	288.7	290.0	290.0	291.3	292.7	295.4	298.0
20°	286.0	286.0	286.0	286.0	286.0	287.3	287.3	288.7	291.3	294.0	298.0
22.5°	282.0	282.0	282.0	282.0	282.0	283.4	284.7	287.3	288.7	292.7	296.7
25°	276.6	276.6	276.6	276.6	278.0	279.3	280.6	283.4	286.0	290.0	295.4
27.5°	271.3	272.7	272.7	272.7	274.0	275.3	276.6	279.3	283.4	288.7	292.7
30°	266.0	266.0	266.0	267.3	268.6	269.9	272.7	275.3	279.3	284.7	290.0
32.5°	259.2	259.2	260.6	260.6	263.3	264.6	267.3	271.3	275.3	280.6	286.0
35°	252.6	252.6	252.6	255.3	256.6	259.2	260.6	264.6	269.9	275.3	280.6
37.5°	244.6	245.9	245.9	247.2	249.9	252.6	254.0	259.2	264.6	269.9	275.3
40°	236.6	237.9	237.9	239.2	243.3	244.6	247.2	252.6	256.6	263.3	268.6
42.5°	228.5	228.5	229.8	231.2	235.2	236.6	239.2	244.6	249.9	255.3	260.6
45°	217.8	219.2	220.5	221.8	225.9	228.5	231.2	235.2	240.5	245.9	251.2
47.5°	208.5	208.5	209.8	212.5	216.5	219.2	220.5	225.9	229.8	235.2	240.5
50°	197.8	199.1	199.1	201.8	205.8	208.5	209.8	215.2	219.2	224.5	229.8
52.5°	185.8	187.1	188.4	191.1	195.1	197.8	199.1	203.2	207.2	212.5	216.5
55°	175.1	176.4	176.4	179.1	183.1	184.5	187.1	189.8	195.1	199.1	204.5
57.5°	163.0	164.4	164.4	167.1	169.7	172.4	173.8	177.7	181.7	185.8	189.8
60°	149.7	151.0	152.3	153.7	156.4	159.0	160.4	163.0	167.1	171.0	175.1
62.5°	136.3	137.7	139.0	140.3	143.0	144.4	145.7	149.7	152.3	156.4	159.0
65°	122.9	124.3	125.7	127.0	128.3	129.6	130.9	133.7	136.3	140.3	141.6
67.5°	109.6	110.9	110.9	112.2	113.6	115.0	116.3	118.9	120.3	124.3	125.7
70°	96.2	96.2	96.2	97.6	97.6	98.9	100.2	102.9	104.3	106.9	109.6
72.5°	80.2	81.5	81.5	81.5	82.8	84.2	85.6	86.9	88.2	89.5	92.2
75°	65.5	66.8	65.5	66.8	68.2	68.2	69.5	70.8	72.1	73.5	74.9
77.5°	52.1	50.8	52.1	52.1	53.4	53.4	53.4	54.8	57.5	57.5	60.1
80°	37.4	37.4	37.4	37.4	38.8	38.8	40.1	40.1	42.7	44.1	45.5
82.5°	24.0	24.0	25.4	25.4	25.4	26.8	26.8	28.1	29.4	30.7	32.1
85°	13.3	13.3	13.3	14.7	14.7	16.1	16.1	17.4	18.7	20.0	21.4
87.5°	4.0	5.4	6.7	6.7	8.0	8.0	9.4	9.4	12.0	13.3	14.7
90°	1.3	1.3	2.6	2.6	2.6	4.0	4.0	5.4	5.4	6.7	8.0
92.5°	22.7	53.4	110.9	165.7	143.0	133.7	80.2	24.0	21.4	22.7	22.7
95°	46.8	88.2	161.7	262.0	339.4	387.5	419.6	481.1	543.9	533.2	398.2
97.5°	68.2	113.6	195.1	287.3	394.3	449.0	490.5	564.0	644.1	711.0	759.1
100°	89.5	136.3	223.2	319.4	418.3	467.7	515.8	616.1	694.9	761.8	826.0
102.5°	112.2	159.0	248.6	348.8	446.4	494.5	541.3	629.5	717.7	797.9	860.7
105°	135.0	183.1	271.3	374.2	471.8	519.9	565.3	649.5	731.0	805.9	878.1
107.5°	159.0	204.5	291.3	394.3	491.8	540.0	585.3	669.6	748.4	823.2	888.7
110°	180.4	224.5	311.4	413.0	510.6	558.7	604.1	688.3	765.7	836.6	900.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	200.4	243.3	330.1	429.0	525.2	573.3	617.4	701.6	779.2	848.7	912.8
115°	223.2	260.6	348.8	443.7	538.5	585.3	629.5	712.3	789.8	858.0	920.8
117.5°	241.9	278.0	364.9	455.7	549.3	594.7	637.5	720.4	796.6	864.6	926.2
120°	260.6	294.0	379.5	466.4	557.3	601.4	644.1	725.6	801.9	868.7	928.8
122.5°	279.3	310.0	391.6	477.1	564.0	608.1	649.5	729.7	804.5	870.0	928.8
125°	296.7	323.4	402.3	485.1	567.9	610.8	650.9	729.7	803.2	867.4	926.2
127.5°	312.8	338.1	410.3	493.2	570.7	612.1	650.9	727.1	800.5	863.3	920.8
130°	328.7	351.5	418.3	497.1	573.3	610.8	648.2	721.7	793.8	856.7	911.4
132.5°	344.8	366.2	425.0	501.2	574.7	610.8	645.5	716.3	785.9	847.3	899.4
135°	359.5	376.9	431.7	503.8	573.3	608.1	640.2	707.0	773.8	833.9	884.8
137.5°	372.9	387.5	437.0	505.2	572.0	604.1	636.1	696.2	759.1	817.9	867.4
140°	384.9	398.2	439.6	505.2	566.6	598.8	628.2	685.6	743.0	799.2	847.3
142.5°	395.6	407.6	443.7	502.5	561.3	592.1	620.1	674.9	727.1	780.5	827.3
145°	406.3	415.6	446.4	501.2	554.6	582.7	609.4	661.5	712.3	760.4	804.5
147.5°	414.3	423.7	449.0	495.8	546.6	572.0	597.3	646.8	693.6	739.1	779.2
150°	422.3	430.4	450.4	490.5	537.2	560.0	582.7	629.5	674.9	716.3	753.7
152.5°	430.4	435.7	454.4	485.1	526.5	547.9	570.7	612.1	653.5	692.3	728.4
155°	435.7	439.6	455.7	479.8	515.8	534.6	553.3	592.1	629.5	665.5	699.0
157.5°	441.1	445.0	457.0	475.8	503.8	521.2	537.2	570.7	605.4	637.5	668.3
160°	445.0	447.7	457.0	473.1	493.2	505.2	519.9	550.6	580.0	608.1	634.8
162.5°	449.0	450.4	457.0	469.0	483.8	491.8	502.5	526.5	553.3	577.3	601.4
165°	451.7	453.1	457.0	466.4	475.8	482.5	487.8	505.2	525.2	546.6	566.6
167.5°	454.4	454.4	457.0	463.8	469.0	473.1	477.1	486.4	499.9	515.8	530.6
170°	455.7	455.7	457.0	461.1	465.1	466.4	469.0	474.4	481.1	489.1	498.5
172.5°	455.7	455.7	455.7	458.4	459.8	459.8	459.8	462.4	466.4	471.8	475.8
175°	455.7	454.4	454.4	455.7	454.4	454.4	454.4	454.4	455.7	458.4	459.8
177.5°	455.7	454.4	453.1	453.1	451.7	451.7	450.4	450.4	450.4	450.4	450.4
180°	447.7	447.7	447.7	447.7	447.7	447.7	447.7	447.7	447.7	447.7	447.7



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	295.4	295.4	295.4	295.4	295.4	295.4	295.4	295.4	295.4	295.4
2.5°	296.7	296.7	295.4	294.0	294.0	294.0	292.7	291.3	290.0	290.0
5°	296.7	296.7	295.4	295.4	295.4	295.4	294.0	294.0	292.7	292.7
7.5°	298.0	296.7	296.7	296.7	296.7	296.7	296.7	296.7	295.4	295.4
10°	298.0	298.0	298.0	298.0	298.0	298.0	298.0	298.0	298.0	298.0
12.5°	299.3	299.3	299.3	299.3	300.7	300.7	300.7	300.7	300.7	300.7
15°	299.3	300.7	302.1	302.1	302.1	303.4	303.4	303.4	303.4	303.4
17.5°	300.7	302.1	303.4	303.4	304.7	304.7	306.0	306.0	306.0	306.0
20°	300.7	302.1	303.4	304.7	306.0	306.0	307.4	308.7	308.7	307.4
22.5°	299.3	302.1	303.4	304.7	306.0	307.4	308.7	310.0	310.0	310.0
25°	298.0	300.7	303.4	306.0	306.0	307.4	310.0	310.0	310.0	310.0
27.5°	296.7	299.3	302.1	304.7	306.0	307.4	308.7	310.0	310.0	310.0
30°	294.0	298.0	300.7	303.4	304.7	306.0	307.4	308.7	308.7	308.7
32.5°	290.0	294.0	296.7	300.7	302.1	303.4	304.7	306.0	306.0	306.0
35°	286.0	290.0	292.7	296.7	298.0	299.3	302.1	302.1	303.4	303.4
37.5°	279.3	284.7	287.3	291.3	292.7	294.0	296.7	298.0	298.0	298.0
40°	272.7	278.0	280.6	284.7	286.0	287.3	290.0	291.3	292.7	292.7
42.5°	264.6	269.9	272.7	276.6	278.0	279.3	282.0	283.4	284.7	284.7
45°	256.6	260.6	263.3	267.3	269.9	269.9	272.7	274.0	275.3	275.3
47.5°	245.9	249.9	252.6	256.6	259.2	260.6	262.0	263.3	264.6	264.6
50°	233.9	237.9	241.9	244.6	247.2	247.2	249.9	251.2	252.6	252.6
52.5°	221.8	224.5	228.5	232.6	233.9	235.2	236.6	237.9	239.2	239.2
55°	208.5	211.1	215.2	217.8	219.2	220.5	221.8	223.2	224.5	224.5
57.5°	193.8	196.5	200.4	203.2	204.5	205.8	207.2	208.5	209.8	209.8
60°	177.7	180.4	184.5	187.1	188.4	188.4	191.1	192.4	192.4	192.4
62.5°	161.7	164.4	167.1	169.7	171.0	172.4	173.8	175.1	175.1	175.1
65°	145.7	148.3	151.0	152.3	153.7	153.7	155.1	156.4	157.7	157.7
67.5°	128.3	130.9	133.7	135.0	136.3	136.3	137.7	139.0	139.0	139.0
70°	110.9	112.2	115.0	116.3	117.6	117.6	120.3	120.3	120.3	120.3
72.5°	93.5	94.9	97.6	98.9	100.2	100.2	101.5	102.9	102.9	102.9
75°	77.5	78.9	80.2	82.8	82.8	82.8	84.2	85.6	85.6	85.6
77.5°	61.5	62.8	64.1	65.5	66.8	66.8	68.2	69.5	69.5	69.5
80°	46.8	48.1	49.4	50.8	50.8	52.1	52.1	53.4	53.4	53.4
82.5°	33.4	34.8	36.1	37.4	38.8	38.8	40.1	41.4	41.4	40.1
85°	22.7	25.4	26.8	28.1	28.1	28.1	29.4	30.7	30.7	29.4
87.5°	16.1	16.1	17.4	18.7	18.7	20.0	20.0	21.4	21.4	21.4
90°	9.4	9.4	10.7	10.7	12.0	12.0	12.0	13.3	13.3	13.3
92.5°	22.7	22.7	24.0	24.0	24.0	24.0	25.4	25.4	25.4	25.4
95°	243.3	109.6	92.2	56.2	53.4	46.8	45.5	46.8	46.8	45.5
97.5°	816.6	874.0	910.1	927.5	906.1	883.4	858.0	853.9	819.2	741.7
100°	880.7	926.2	970.2	1001.0	1013.0	1023.8	1047.8	1062.5	1069.1	1075.8
102.5°	912.8	960.9	999.6	1038.4	1054.5	1069.1	1090.5	1107.9	1114.6	1119.9
105°	940.8	990.3	1033.1	1067.8	1082.6	1095.9	1117.3	1133.3	1145.3	1146.7
107.5°	947.5	999.6	1047.8	1090.5	1107.9	1122.6	1148.0	1160.0	1170.7	1170.7
110°	959.6	1009.0	1053.2	1091.8	1109.2	1126.6	1153.4	1172.1	1182.8	1185.4





TEST NUMBER: P395068

CATALOG NUMBER: I3-UL-60L940-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	968.9	1019.7	1061.1	1099.9	1114.6	1130.6	1156.0	1173.4	1182.8	<i>1186.8</i>
115°	<i>977.0</i>	<i>1026.4</i>	<i>1067.8</i>	<i>1103.9</i>	<i>1119.9</i>	<i>1136.0</i>	<i>1161.4</i>	<i>1176.1</i>	<i>1186.8</i>	<i>1190.7</i>
117.5°	982.2	1030.4	1071.8	1105.3	1122.6	1136.0	1160.0	1176.1	1186.8	<i>1188.1</i>
120°	983.7	1031.7	1071.8	1105.3	1119.9	1134.7	1158.7	1174.7	1185.4	<i>1185.4</i>
122.5°	983.7	1030.4	1070.5	1102.6	1115.9	1129.3	1152.1	1170.7	1180.0	<i>1180.0</i>
125°	978.3	1025.1	1063.8	1095.9	1109.2	1121.2	1145.3	1162.7	1172.1	<i>1173.4</i>
127.5°	970.2	1015.7	1054.5	1086.5	1099.9	1110.5	1136.0	1152.1	1161.4	<i>1162.7</i>
130°	959.6	1005.0	1042.4	1073.2	1086.5	1098.5	1119.9	1137.3	1148.0	<i>1150.6</i>
132.5°	947.5	990.3	1027.7	1057.1	1070.5	1081.1	1102.6	1119.9	1129.3	<i>1133.3</i>
135°	932.8	972.9	1009.0	1038.4	1051.7	1062.5	1082.6	1099.9	1109.2	<i>1113.3</i>
137.5°	914.1	952.8	987.6	1017.0	1029.0	1039.7	1059.8	1075.8	1083.9	<i>1089.2</i>
140°	892.7	928.8	964.9	991.6	1003.7	1014.4	1031.7	1049.1	1057.1	<i>1061.1</i>
142.5°	870.0	906.1	938.2	964.9	975.6	986.3	1003.7	1019.7	1027.7	<i>1029.0</i>
145°	846.0	880.7	910.1	935.5	944.9	955.6	971.6	987.6	995.7	<i>997.0</i>
147.5°	819.2	851.3	879.4	903.4	914.1	922.1	936.9	951.5	959.6	<i>960.9</i>
150°	788.5	817.9	843.3	867.4	876.7	884.8	900.7	914.1	922.1	<i>923.4</i>
152.5°	759.1	787.2	808.6	829.9	839.3	847.3	860.7	874.0	882.0	<i>883.4</i>
155°	728.4	753.7	775.1	792.5	800.5	808.6	819.2	831.3	838.0	<i>839.3</i>
157.5°	696.2	720.4	739.1	755.1	763.1	769.8	779.2	789.8	793.8	<i>796.6</i>
160°	661.5	681.6	697.7	713.6	720.4	727.1	736.4	744.4	749.8	<i>751.1</i>
162.5°	624.1	641.5	654.8	669.6	673.6	678.9	688.3	696.2	700.3	<i>701.6</i>
165°	585.3	601.4	613.4	625.4	628.2	632.1	638.9	646.8	649.5	<i>652.2</i>
167.5°	546.6	560.0	567.9	578.7	582.7	585.3	592.1	597.3	600.1	<i>601.4</i>
170°	509.2	518.5	525.2	533.2	534.6	538.5	542.6	547.9	549.3	<i>549.3</i>
172.5°	479.8	483.8	487.8	490.5	491.8	493.2	495.8	497.1	497.1	<i>497.1</i>
175°	461.1	463.8	463.8	465.1	465.1	465.1	465.1	465.1	465.1	<i>465.1</i>
177.5°	450.4	450.4	450.4	449.0	449.0	449.0	449.0	447.7	447.7	<i>447.7</i>
180°	447.7	447.7	447.7	447.7	447.7	447.7	447.7	447.7	447.7	<i>447.7</i>

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