

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: P395025

Luminaire Tested: **I3-CL-40L935-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395025
Test Lab: INNOVATION CENTER (G2)
Issue Date: 3/30/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-CL-40L935-1D-UNV-STD-W-4
Description: CORELITE I3, CLEAR TOP COVER
4000 LUMENS
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

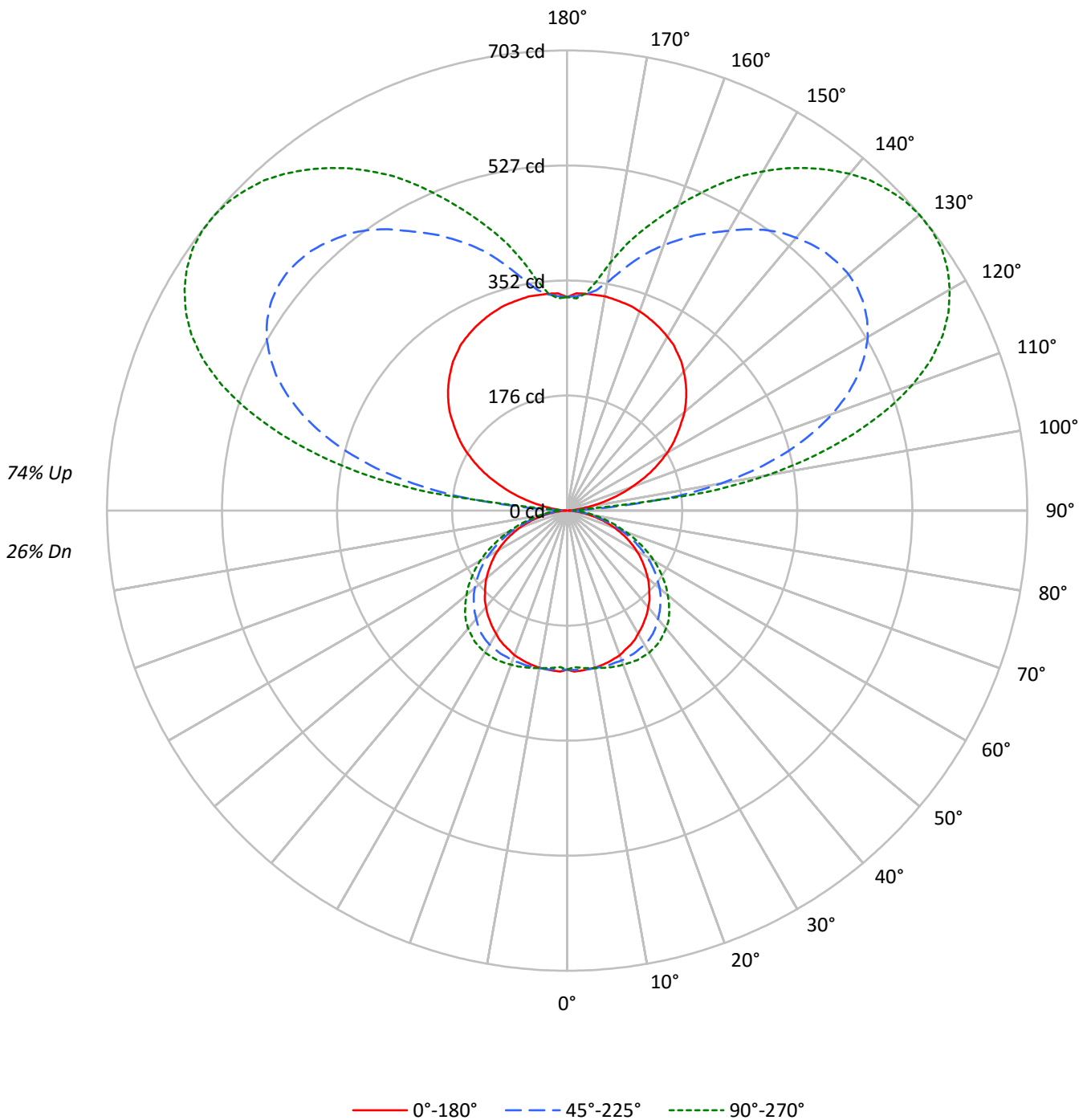
Lumens per Lamp: N/A
Luminaire Lumens: 3199.6 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 27.9
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: P395025
CATALOG NUMBER: I3-CL-40L935-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P395025

CATALOG NUMBER: I3-CL-40L935-1D-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	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	79	75	73	61	59	57	45	43	42	30	29	28	22
2	84	77	71	65	74	68	63	59	53	50	47	39	37	35	26	25	24	18
3	76	67	60	54	68	60	54	49	47	42	39	34	32	29	23	21	20	15
4	70	59	51	45	62	53	46	41	41	37	33	30	27	25	20	18	17	13
5	64	52	44	39	56	47	40	35	37	32	28	27	24	21	18	16	15	11
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13	9
7	54	42	34	29	48	38	31	26	30	25	21	22	19	16	15	13	11	8
8	50	38	30	25	44	34	27	23	27	22	18	20	17	14	14	11	10	7
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9	6
10	43	31	24	20	38	28	22	18	22	18	15	17	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1335	1335	1335
5°	1349	1314	1293
10°	1350	1304	1289
15°	1351	1299	1295
20°	1354	1300	1307
25°	1352	1301	1324
30°	1344	1303	1334
35°	1341	1295	1335
40°	1336	1268	1318
45°	1323	1237	1285
50°	1310	1197	1228
55°	1284	1136	1157
60°	1252	1056	1068
65°	1200	949	947
70°	1115	808	802
75°	962	643	644
80°	747	457	471
85°	437	283	316



TEST NUMBER: P395025

CATALOG NUMBER: I3-CL-40L935-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.2	0.7
10°-20°	69.0	2.2
20°-30°	110.7	3.5
30°-40°	141.5	4.4
40°-50°	154.3	4.8
50°-60°	144.6	4.5
60°-70°	112.2	3.5
70°-80°	64.3	2.0
80°-90°	20.6	0.6
90°-100°	82.5	2.6
100°-110°	320.8	10.0
110°-120°	436.7	13.6
120°-130°	453.3	14.2
130°-140°	402.1	12.6
140°-150°	312.0	9.8
150°-160°	208.2	6.5
160°-170°	111.0	3.5
170°-180°	32.5	1.0
0°-30°	202.9	6.3
0°-40°	344.4	10.8
0°-60°	643.3	20.1
0°-90°	840.3	26.3
90°-120°	840.1	26.3
90°-150°	2007.6	62.7
90°-180°	2359.0	73.7
0°-180°	3199.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	243	243	243	243	243	
5°	245	243	244	243	241	23
15°	240	239	244	248	248	68
25°	227	229	241	250	252	105
35°	206	210	229	241	245	129
45°	177	185	202	214	220	137
55°	142	150	164	175	178	127
65°	101	105	114	122	125	99
75°	52	55	60	66	68	56
85°	10	12	18	23	24	12
90°	1	3	6	9	10	1
95°	10	58	80	16	16	14
105°	68	206	349	414	454	73
115°	142	318	491	577	633	140
125°	206	374	553	649	698	184
135°	257	394	558	654	693	198
145°	294	394	524	608	639	184
155°	316	373	464	526	550	146
165°	329	343	394	431	443	93
175°	332	331	332	333	333	32
180°	326	326	326	326	326	



TEST NUMBER: P395025

CATALOG NUMBER: I3-CL-40L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	242.8	242.8	242.8	242.8	242.8	242.8	242.8	242.8	242.8	242.8	242.8
2.5°	246.2	245.4	245.4	243.7	243.7	242.8	242.8	242.8	242.8	242.8	243.7
5°	245.4	245.4	244.5	243.7	243.7	242.8	242.8	242.8	242.8	242.8	243.7
7.5°	244.5	244.5	243.7	242.8	242.8	242.8	242.8	242.8	242.8	242.8	244.5
10°	243.7	243.7	242.8	241.9	241.9	241.9	241.9	242.8	242.8	242.8	244.5
12.5°	241.9	241.1	241.1	240.2	240.2	240.2	241.1	241.1	241.9	242.8	244.5
15°	240.2	240.2	239.4	238.5	239.4	239.4	239.4	240.2	241.1	241.9	244.5
17.5°	237.6	237.6	236.8	236.8	236.8	237.6	237.6	238.5	240.2	241.9	243.7
20°	235.1	234.2	234.2	234.2	235.1	235.1	235.9	237.6	238.5	241.1	243.7
22.5°	230.7	231.6	230.7	230.7	231.6	232.5	233.3	235.1	236.8	239.4	241.9
25°	227.3	227.3	227.3	227.3	229.0	229.0	230.7	232.5	235.1	237.6	241.1
27.5°	223.0	223.0	223.0	223.9	224.7	225.6	226.4	229.0	231.6	235.1	238.5
30°	217.0	217.0	217.0	217.0	219.6	220.4	222.1	225.6	228.2	232.5	236.8
32.5°	211.8	211.8	211.8	212.7	214.4	215.2	217.0	221.3	224.7	229.0	233.3
35°	205.8	205.8	206.6	206.6	209.2	210.1	211.8	215.2	218.7	223.9	229.0
37.5°	199.8	199.8	200.6	201.5	203.2	204.9	206.6	210.1	213.5	217.8	223.0
40°	192.9	192.9	193.7	194.6	197.2	198.9	200.6	204.1	207.5	211.8	216.1
42.5°	186.0	186.0	186.8	187.7	190.3	192.0	193.7	198.0	201.5	205.8	209.2
45°	177.4	178.2	179.1	180.8	183.4	185.1	186.8	190.3	194.6	198.0	201.5
47.5°	169.6	170.5	171.3	173.1	175.6	177.4	179.1	182.5	186.0	189.4	193.7
50°	161.0	161.9	162.7	164.5	167.0	168.8	170.5	173.9	177.4	179.9	184.3
52.5°	151.5	152.4	153.3	155.0	158.4	159.3	161.0	164.5	167.0	170.5	173.9
55°	142.1	142.9	143.8	145.5	148.1	149.8	150.7	154.1	156.7	160.1	163.6
57.5°	132.6	133.5	134.3	136.0	137.8	139.5	140.3	142.9	146.4	149.0	152.4
60°	122.3	123.1	124.0	124.8	127.4	128.3	129.2	131.7	134.3	137.8	140.3
62.5°	111.9	111.9	112.8	113.7	116.2	117.1	118.0	119.7	123.1	124.8	127.4
65°	100.7	100.7	101.6	102.5	104.2	105.0	105.9	107.6	110.2	111.9	114.5
67.5°	88.7	88.7	89.5	90.4	92.1	93.0	93.0	95.6	97.3	99.0	100.7
70°	77.5	77.5	78.4	78.4	79.2	80.1	80.9	82.7	83.5	86.1	87.0
72.5°	65.4	65.4	65.4	65.4	67.2	67.2	68.0	69.7	70.6	72.3	74.0
75°	52.5	52.5	53.4	53.4	54.2	55.1	56.0	56.8	58.5	59.4	60.3
77.5°	41.3	40.5	41.3	42.2	43.0	43.0	43.9	44.8	45.6	47.4	48.2
80°	29.3	29.3	29.3	30.1	31.0	31.0	31.9	32.7	33.6	35.3	36.2
82.5°	18.9	18.9	19.8	19.8	20.7	21.5	21.5	22.4	23.2	25.0	25.8
85°	10.3	10.3	10.3	11.2	12.1	12.1	12.9	13.8	15.5	16.4	18.1
87.5°	3.4	3.4	4.3	5.2	6.0	6.0	6.9	7.7	8.6	10.3	11.2
90°	0.9	0.9	0.9	1.7	1.7	2.6	2.6	3.4	4.3	5.2	6.0
92.5°	3.4	6.0	9.5	13.8	12.9	13.8	9.5	6.0	6.0	6.0	6.9
95°	10.3	15.5	25.0	39.6	51.7	58.5	64.6	70.6	82.7	83.5	80.1
97.5°	20.7	28.4	45.6	64.6	86.1	97.3	105.9	124.0	142.9	155.0	169.6
100°	34.4	45.6	68.0	93.8	118.8	133.5	147.2	173.1	196.3	217.0	239.4
102.5°	50.8	63.7	91.3	123.1	154.1	170.5	185.1	215.2	247.1	274.7	298.8
105°	68.0	82.7	115.4	151.5	186.8	205.8	223.9	256.6	290.2	320.3	348.7
107.5°	87.0	102.5	137.8	178.2	217.8	239.4	259.2	294.5	329.8	362.5	392.6
110°	105.0	122.3	159.3	203.2	248.0	269.5	289.3	328.0	365.1	399.5	431.4



TEST NUMBER: P395025

CATALOG NUMBER: I3-CL-40L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	124.0	142.1	179.1	227.3	272.9	295.3	316.0	357.3	396.1	431.4	463.2
115°	142.1	159.3	198.0	248.0	294.5	317.7	340.1	382.3	422.8	458.1	490.8
117.5°	159.3	175.6	215.2	265.2	313.4	336.7	359.0	402.9	443.4	480.4	512.3
120°	176.5	191.1	234.2	279.8	328.9	352.1	375.4	419.3	460.6	497.7	530.4
122.5°	192.0	205.8	248.0	292.7	341.0	365.1	387.4	432.2	474.4	511.4	543.3
125°	205.8	218.7	260.9	303.1	351.3	374.5	397.8	441.7	483.9	520.0	552.8
127.5°	219.6	232.5	270.4	313.4	358.2	382.3	404.7	448.6	489.9	526.9	558.8
130°	234.2	243.7	279.8	322.9	365.1	387.4	410.7	452.9	493.4	529.5	561.4
132.5°	246.2	254.9	289.3	330.6	370.2	391.8	412.4	454.6	495.1	529.5	560.5
135°	257.4	264.3	296.2	337.5	374.5	394.3	414.1	453.7	493.4	527.8	557.9
137.5°	267.8	274.7	302.2	342.7	378.0	395.2	414.1	451.2	489.0	523.5	551.9
140°	277.2	282.4	307.4	345.3	379.7	396.1	412.4	446.9	482.2	515.7	544.2
142.5°	286.7	291.0	311.7	347.0	380.6	396.1	411.6	441.7	474.4	507.1	535.5
145°	293.6	297.9	315.1	347.8	379.7	394.3	408.1	436.5	465.8	495.9	523.5
147.5°	301.4	304.8	318.6	346.1	377.1	390.9	403.8	429.6	456.3	483.9	509.7
150°	306.5	310.0	320.3	344.4	372.8	385.7	398.6	422.8	446.9	471.0	493.4
152.5°	311.7	314.3	322.9	341.8	367.6	379.7	391.8	415.0	437.4	458.9	478.7
155°	316.0	318.6	324.6	340.1	361.6	372.8	384.0	406.4	427.1	446.0	464.1
157.5°	320.3	322.0	326.3	337.5	354.7	365.1	375.4	395.2	414.1	433.1	447.7
160°	323.7	324.6	328.0	336.7	348.7	356.5	365.9	384.0	401.2	417.6	431.4
162.5°	327.2	327.2	329.8	334.9	343.5	348.7	355.6	371.1	386.6	401.2	414.1
165°	328.9	328.9	330.6	334.1	339.2	342.7	347.0	357.3	369.4	382.3	394.3
167.5°	330.6	330.6	331.5	333.2	336.7	338.4	340.1	347.0	354.7	364.2	373.7
170°	332.3	331.5	331.5	333.2	334.1	334.9	335.8	339.2	342.7	348.7	353.9
172.5°	332.3	331.5	331.5	332.3	332.3	332.3	332.3	333.2	334.1	337.5	339.2
175°	332.3	331.5	331.5	331.5	331.5	330.6	330.6	330.6	330.6	330.6	331.5
177.5°	332.3	331.5	330.6	330.6	329.8	329.8	328.9	328.9	328.0	328.0	328.0
180°	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3



TEST NUMBER: P395025

CATALOG NUMBER: I3-CL-40L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	242.8	242.8	242.8	242.8	242.8	242.8	242.8	242.8	242.8	242.8
2.5°	243.7	243.7	242.8	242.8	241.9	241.9	241.1	240.2	239.4	239.4
5°	244.5	243.7	242.8	242.8	242.8	241.9	241.9	241.9	241.1	241.1
7.5°	244.5	244.5	244.5	243.7	243.7	243.7	243.7	243.7	242.8	242.8
10°	245.4	245.4	245.4	245.4	245.4	245.4	245.4	244.5	244.5	244.5
12.5°	245.4	245.4	245.4	246.2	246.2	246.2	246.2	246.2	246.2	246.2
15°	246.2	246.2	247.1	247.1	248.0	248.0	248.8	248.8	248.8	248.0
17.5°	245.4	246.2	247.1	248.0	248.8	248.8	249.7	249.7	249.7	249.7
20°	245.4	247.1	248.0	248.8	249.7	249.7	250.6	251.4	251.4	250.6
22.5°	244.5	246.2	247.1	248.8	249.7	249.7	251.4	251.4	251.4	251.4
25°	243.7	245.4	247.1	248.8	249.7	249.7	251.4	251.4	252.3	252.3
27.5°	241.9	243.7	246.2	248.0	248.8	249.7	250.6	251.4	251.4	251.4
30°	239.4	241.9	244.5	246.2	247.1	248.0	248.8	249.7	250.6	250.6
32.5°	235.9	238.5	241.1	243.7	244.5	245.4	247.1	248.0	248.0	248.0
35°	232.5	235.1	237.6	240.2	241.1	241.9	243.7	244.5	245.4	245.4
37.5°	227.3	229.9	232.5	235.1	235.9	237.6	239.4	240.2	240.2	240.2
40°	219.6	223.9	227.3	229.9	230.7	232.5	233.3	235.1	235.1	235.1
42.5°	212.7	216.1	218.7	222.1	223.0	225.6	227.3	228.2	229.0	229.0
45°	204.9	208.4	210.9	213.5	214.4	216.1	217.8	218.7	219.6	220.4
47.5°	197.2	199.8	202.3	204.9	205.8	207.5	209.2	210.1	210.9	210.9
50°	187.7	190.3	192.9	195.4	196.3	198.0	198.9	199.8	200.6	200.6
52.5°	177.4	179.9	182.5	185.1	186.0	186.8	188.6	189.4	190.3	190.3
55°	167.0	169.6	171.3	173.9	174.8	175.6	176.5	178.2	179.1	178.2
57.5°	155.0	157.6	159.3	161.9	162.7	163.6	164.5	165.3	166.2	166.2
60°	142.1	144.6	147.2	149.0	149.8	150.7	151.5	152.4	153.3	153.3
62.5°	129.2	131.7	133.5	136.0	136.9	136.9	137.8	138.6	139.5	139.5
65°	116.2	118.8	119.7	122.3	122.3	123.1	124.0	124.8	124.8	124.8
67.5°	102.5	105.0	105.9	107.6	107.6	108.5	109.3	110.2	110.2	110.2
70°	89.5	90.4	92.1	93.0	93.8	93.8	94.7	95.6	96.4	95.6
72.5°	75.8	76.6	78.4	79.2	79.2	80.1	80.1	80.9	81.8	81.8
75°	62.0	63.7	64.6	65.4	66.3	66.3	67.2	68.0	68.0	68.0
77.5°	49.1	50.8	51.7	52.5	53.4	53.4	54.2	54.2	55.1	54.2
80°	37.9	38.7	39.6	40.5	41.3	41.3	42.2	43.0	43.0	43.0
82.5°	27.6	28.4	30.1	31.0	31.0	31.0	32.7	32.7	33.6	32.7
85°	18.9	19.8	21.5	22.4	23.2	23.2	23.2	24.1	25.0	24.1
87.5°	12.1	13.8	14.6	15.5	15.5	15.5	16.4	17.2	17.2	17.2
90°	6.9	6.9	7.7	8.6	8.6	9.5	9.5	10.3	10.3	10.3
92.5°	6.9	7.7	7.7	7.7	8.6	8.6	8.6	9.5	9.5	9.5
95°	58.5	42.2	24.1	18.9	16.4	16.4	15.5	16.4	15.5	15.5
97.5°	177.4	192.0	198.9	208.4	213.5	212.7	209.2	212.7	210.1	212.7
100°	252.3	266.0	276.4	279.0	284.1	286.7	296.2	303.1	306.5	310.8
102.5°	313.4	329.8	341.8	348.7	353.9	357.3	368.5	378.8	384.0	387.4
105°	369.4	386.6	401.2	408.1	414.1	417.6	429.6	441.7	449.4	453.7
107.5°	414.1	433.9	449.4	459.8	465.8	471.8	486.5	498.5	508.0	512.3
110°	454.6	474.4	490.8	502.8	509.7	515.7	532.1	545.9	556.2	561.4



TEST NUMBER: P395025

CATALOG NUMBER: I3-CL-40L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	488.2	509.7	526.1	539.0	545.9	554.5	570.0	585.5	595.8	601.8
115°	515.7	538.1	555.3	569.1	576.9	584.6	602.7	618.2	628.5	632.8
117.5°	539.0	561.4	579.5	593.2	601.8	610.4	628.5	642.3	653.5	656.9
120°	557.9	580.3	598.4	613.9	622.5	630.3	647.5	662.1	672.4	675.0
122.5°	570.8	594.1	613.0	630.3	638.0	645.8	662.1	676.7	686.2	688.8
125°	580.3	604.4	623.4	641.4	649.2	656.9	672.4	687.1	694.8	698.3
127.5°	586.3	610.4	631.1	648.3	656.9	663.8	679.3	692.2	700.0	702.6
130°	588.1	613.0	633.7	651.8	659.5	666.4	681.1	694.0	700.9	702.6
132.5°	588.1	612.2	633.7	650.9	658.7	665.6	679.3	691.4	698.3	700.0
135°	584.6	607.9	629.4	646.6	654.4	661.2	675.0	685.4	692.2	693.1
137.5°	578.6	601.0	621.6	638.9	646.6	653.5	665.6	676.7	682.8	684.5
140°	570.8	591.5	612.2	628.5	636.3	642.3	654.4	663.8	669.9	671.6
142.5°	560.5	581.2	600.1	616.5	622.5	629.4	639.7	649.2	654.4	656.1
145°	549.3	569.1	586.3	601.0	607.9	613.9	623.4	632.0	637.1	638.9
147.5°	534.7	554.5	570.8	584.6	590.6	596.7	605.3	613.0	618.2	619.9
150°	516.6	534.7	551.9	564.8	570.8	576.9	585.5	592.4	597.5	598.4
152.5°	498.5	515.7	530.4	543.3	549.3	555.3	563.1	570.0	576.0	576.0
155°	481.3	495.9	509.7	520.9	526.1	531.2	539.0	545.0	550.2	550.2
157.5°	463.2	477.0	488.2	498.5	502.8	507.1	514.0	519.2	523.5	522.6
160°	446.0	456.3	466.7	475.3	479.6	483.0	488.2	492.5	496.8	495.9
162.5°	427.1	436.5	445.1	451.2	454.6	457.2	462.4	466.7	469.2	469.2
165°	405.5	414.1	421.9	427.9	431.4	433.1	437.4	440.0	442.6	442.6
167.5°	383.1	390.0	396.9	402.1	405.5	407.3	411.6	413.3	416.7	415.9
170°	360.8	365.9	371.1	375.4	377.1	378.8	382.3	384.0	385.7	385.7
172.5°	342.7	344.4	347.0	350.4	350.4	351.3	353.0	353.9	354.7	354.7
175°	332.3	333.2	333.2	333.2	333.2	333.2	334.1	333.2	334.1	333.2
177.5°	328.0	328.0	327.2	327.2	326.3	327.2	326.3	325.5	325.5	324.6
180°	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3

(END OF REPORT)