

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: P395027

Luminaire Tested: **I3-CL-50L930-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395027
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-CL-50L930-1D-UNV-STD-W-4
Description: CORELITE I3, CLEAR TOP COVER
5000 LUMENS
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

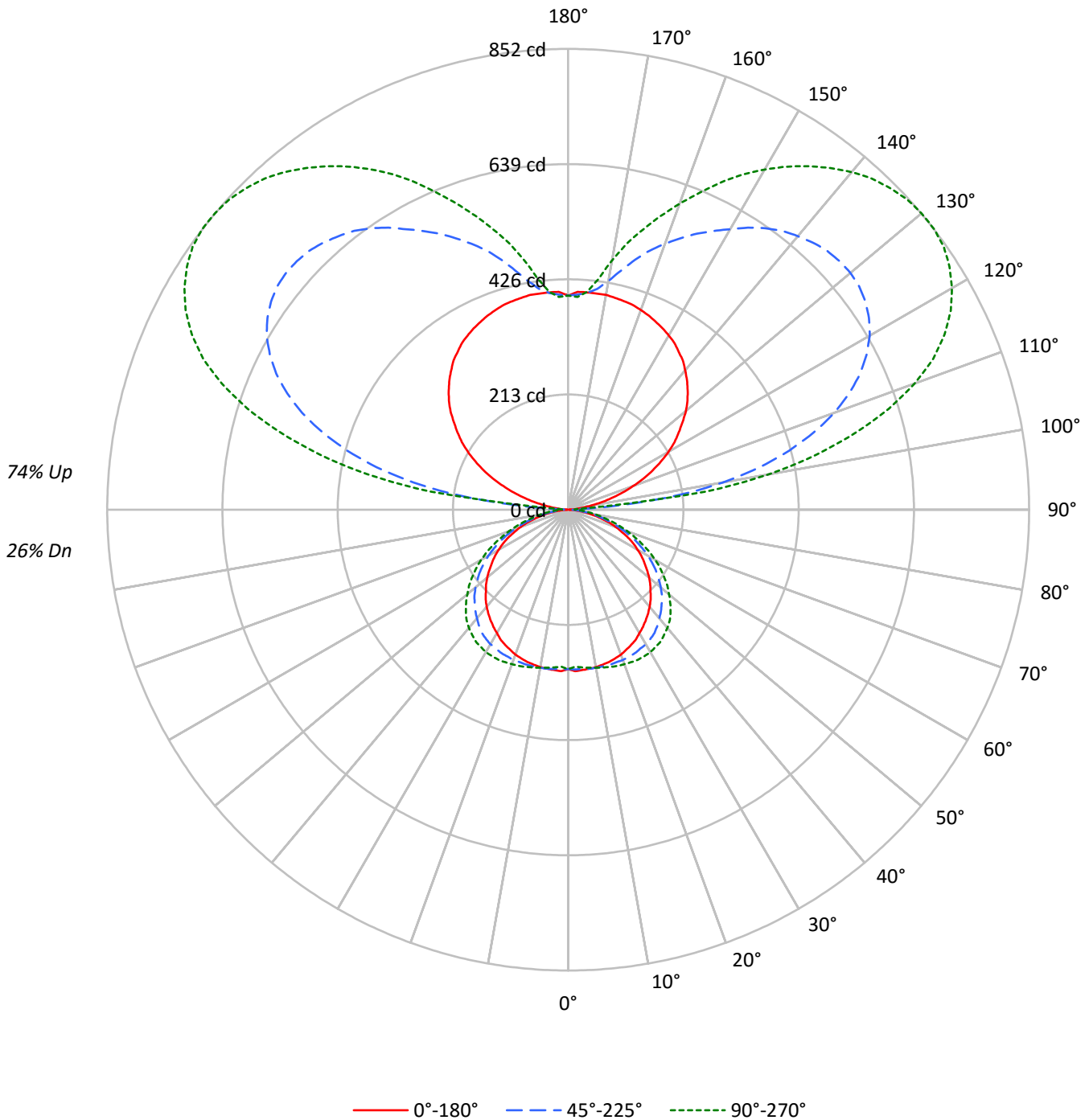
Lumens per Lamp: N/A
Luminaire Lumens: 3882.1 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 33.5
Input Voltage (V): 120
Input Current (A_{in}): 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	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°	1619	1619	1619
5°	1636	1594	1568
10°	1638	1582	1564
15°	1640	1576	1572
20°	1643	1577	1586
25°	1640	1578	1607
30°	1631	1581	1618
35°	1627	1572	1620
40°	1621	1538	1599
45°	1605	1501	1559
50°	1590	1451	1490
55°	1557	1379	1404
60°	1518	1282	1296
65°	1458	1151	1149
70°	1353	980	973
75°	1167	779	781
80°	905	554	572
85°	530	342	383



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.2	0.7
10°-20°	83.7	2.2
20°-30°	134.3	3.5
30°-40°	171.7	4.4
40°-50°	187.2	4.8
50°-60°	175.4	4.5
60°-70°	136.1	3.5
70°-80°	78.0	2.0
80°-90°	24.9	0.6
90°-100°	100.1	2.6
100°-110°	389.2	10.0
110°-120°	529.9	13.6
120°-130°	550.1	14.2
130°-140°	487.9	12.6
140°-150°	378.6	9.8
150°-160°	252.7	6.5
160°-170°	134.7	3.5
170°-180°	39.4	1.0
0°-30°	246.2	6.3
0°-40°	417.9	10.8
0°-60°	780.6	20.1
0°-90°	1019.6	26.3
90°-120°	1019.3	26.3
90°-150°	2435.8	62.7
90°-180°	2863.0	73.7
0°-180°	3882.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	295	295	295	295	295	
5°	298	295	296	295	292	28
15°	292	290	297	301	301	82
25°	276	278	292	303	306	127
35°	250	255	278	292	298	156
45°	215	225	244	260	267	166
55°	172	182	198	212	216	154
65°	122	128	139	148	152	120
75°	64	67	73	80	82	68
85°	12	15	22	28	29	15
90°	1	3	7	10	12	1
95°	12	71	97	20	19	16
105°	82	250	423	502	550	88
115°	172	386	595	700	768	170
125°	250	454	671	788	847	223
135°	312	478	677	794	841	241
145°	356	478	635	738	775	223
155°	383	452	563	638	668	177
165°	399	416	478	523	537	113
175°	403	401	402	404	404	38
180°	396	396	396	396	396	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	294.6	294.6	294.6	294.6	294.6	294.6	294.6	294.6	294.6	294.6	294.6
2.5°	298.8	297.7	297.7	295.6	295.6	294.6	294.6	294.6	294.6	294.6	295.6
5°	297.7	297.7	296.7	295.6	295.6	294.6	294.6	294.6	294.6	294.6	295.6
7.5°	296.7	296.7	295.6	294.6	294.6	294.6	294.6	294.6	294.6	294.6	296.7
10°	295.6	295.6	294.6	293.6	293.6	293.6	293.6	294.6	294.6	294.6	296.7
12.5°	293.6	292.5	292.5	291.5	291.5	291.5	292.5	292.5	293.6	294.6	296.7
15°	291.5	291.5	290.4	289.3	290.4	290.4	290.4	291.5	292.5	293.6	296.7
17.5°	288.3	288.3	287.3	287.3	287.3	288.3	288.3	289.3	291.5	293.6	295.6
20°	285.2	284.1	284.1	284.1	285.2	285.2	286.3	288.3	289.3	292.5	295.6
22.5°	280.0	281.0	280.0	280.0	281.0	282.0	283.1	285.2	287.3	290.4	293.6
25°	275.8	275.8	275.8	275.8	277.9	277.9	280.0	282.0	285.2	288.3	292.5
27.5°	270.6	270.6	270.6	271.6	272.7	273.7	274.7	277.9	281.0	285.2	289.3
30°	263.3	263.3	263.3	263.3	266.4	267.4	269.5	273.7	276.8	282.0	287.3
32.5°	257.0	257.0	257.0	258.0	260.1	261.2	263.3	268.5	272.7	277.9	283.1
35°	249.7	249.7	250.7	250.7	253.8	254.9	257.0	261.2	265.4	271.6	277.9
37.5°	242.4	242.4	243.4	244.4	246.5	248.7	250.7	254.9	259.0	264.3	270.6
40°	234.0	234.0	235.1	236.1	239.2	241.3	243.4	247.6	251.7	257.0	262.2
42.5°	225.7	225.7	226.7	227.8	230.9	233.0	235.1	240.3	244.4	249.7	253.8
45°	215.2	216.2	217.3	219.4	222.5	224.6	226.7	230.9	236.1	240.3	244.4
47.5°	205.8	206.8	207.9	210.0	213.1	215.2	217.3	221.4	225.7	229.8	235.1
50°	195.4	196.4	197.5	199.5	202.7	204.8	206.8	211.0	215.2	218.4	223.5
52.5°	183.8	184.9	185.9	188.1	192.2	193.2	195.4	199.5	202.7	206.8	211.0
55°	172.4	173.4	174.5	176.5	179.7	181.8	182.8	187.0	190.2	194.3	198.5
57.5°	160.9	161.9	162.9	165.1	167.2	169.2	170.3	173.4	177.6	180.7	184.9
60°	148.3	149.4	150.4	151.5	154.6	155.6	156.7	159.9	162.9	167.2	170.3
62.5°	135.8	135.8	136.9	137.9	141.0	142.1	143.1	145.2	149.4	151.5	154.6
65°	122.3	122.3	123.3	124.3	126.4	127.5	128.5	130.6	133.7	135.8	138.9
67.5°	107.6	107.6	108.6	109.7	111.8	112.8	112.8	116.0	118.0	120.1	122.3
70°	94.0	94.0	95.0	95.0	96.1	97.2	98.2	100.3	101.3	104.5	105.5
72.5°	79.4	79.4	79.4	79.4	81.5	81.5	82.5	84.6	85.7	87.7	89.8
75°	63.7	63.7	64.7	64.7	65.8	66.9	67.9	69.0	71.0	72.0	73.1
77.5°	50.1	49.1	50.1	51.2	52.2	52.2	53.3	54.3	55.4	57.4	58.5
80°	35.5	35.5	35.5	36.6	37.6	37.6	38.7	39.7	40.8	42.8	43.9
82.5°	23.0	23.0	24.0	24.0	25.1	26.1	26.1	27.1	28.2	30.3	31.4
85°	12.5	12.5	12.5	13.6	14.6	14.6	15.7	16.7	18.8	19.8	21.9
87.5°	4.1	4.1	5.2	6.3	7.3	7.3	8.4	9.4	10.5	12.5	13.6
90°	1.1	1.1	1.1	2.1	2.1	3.2	3.2	4.1	5.2	6.3	7.3
92.5°	4.1	7.3	11.5	16.7	15.7	16.7	11.5	7.3	7.3	7.3	8.4
95°	12.5	18.8	30.3	48.1	62.7	71.0	78.4	85.7	100.3	101.3	97.2
97.5°	25.1	34.4	55.4	78.4	104.5	118.0	128.5	150.4	173.4	188.1	205.8
100°	41.7	55.4	82.5	113.9	144.2	161.9	178.6	210.0	238.2	263.3	290.4
102.5°	61.7	77.3	110.7	149.4	187.0	206.8	224.6	261.2	299.8	333.2	362.5
105°	82.5	100.3	140.0	183.8	226.7	249.7	271.6	311.3	352.1	388.6	423.1
107.5°	105.5	124.3	167.2	216.2	264.3	290.4	314.4	357.3	400.1	439.8	476.3
110°	127.5	148.3	193.2	246.5	300.9	327.0	351.0	398.0	443.0	484.7	523.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	150.4	172.4	217.3	275.8	331.2	358.3	383.4	433.5	480.6	523.4	562.0
115°	172.4	193.2	240.3	300.9	357.3	385.5	412.7	463.8	512.9	555.8	595.4
117.5°	193.2	213.1	261.2	321.8	380.2	408.4	435.7	488.9	538.0	582.9	621.6
120°	214.1	231.9	284.1	339.6	399.1	427.3	455.5	508.8	558.9	603.8	643.5
122.5°	233.0	249.7	300.9	355.2	413.7	443.0	470.1	524.4	575.6	620.5	659.2
125°	249.7	265.4	316.6	367.7	426.2	454.4	482.6	535.9	587.1	631.0	670.6
127.5°	266.4	282.0	328.0	380.2	434.6	463.8	491.0	544.2	594.4	639.3	678.0
130°	284.1	295.6	339.6	391.8	443.0	470.1	498.3	549.5	598.6	642.5	681.1
132.5°	298.8	309.3	351.0	401.1	449.2	475.3	500.4	551.6	600.7	642.5	680.1
135°	312.3	320.7	359.4	409.5	454.4	478.5	502.5	550.5	598.6	640.3	676.9
137.5°	324.9	333.2	366.7	415.7	458.6	479.5	502.5	547.4	593.4	635.1	669.6
140°	336.4	342.6	372.9	418.9	460.7	480.6	500.4	542.2	585.0	625.7	660.3
142.5°	347.9	353.1	378.1	421.0	461.7	480.6	499.3	535.9	575.6	615.3	649.8
145°	356.2	361.5	382.4	422.1	460.7	478.5	495.2	529.6	565.1	601.8	635.1
147.5°	365.6	369.8	386.5	420.0	457.6	474.3	489.9	521.3	553.7	587.1	618.4
150°	371.9	376.1	388.6	417.9	452.4	468.0	483.6	512.9	542.2	571.5	598.6
152.5°	378.1	381.3	391.8	414.8	446.0	460.7	475.3	503.6	530.7	556.8	580.8
155°	383.4	386.5	393.8	412.7	438.7	452.4	466.0	493.1	518.2	541.2	563.1
157.5°	388.6	390.7	395.9	409.5	430.4	443.0	455.5	479.5	502.5	525.5	543.2
160°	392.8	393.8	398.0	408.4	423.1	432.5	444.0	466.0	486.8	506.6	523.4
162.5°	397.0	397.0	400.1	406.4	416.8	423.1	431.4	450.3	469.0	486.8	502.5
165°	399.1	399.1	401.1	405.3	411.6	415.7	421.0	433.5	448.2	463.8	478.5
167.5°	401.1	401.1	402.2	404.3	408.4	410.5	412.7	421.0	430.4	441.9	453.3
170°	403.2	402.2	402.2	404.3	405.3	406.4	407.4	411.6	415.7	423.1	429.4
172.5°	403.2	402.2	402.2	403.2	403.2	403.2	403.2	404.3	405.3	409.5	411.6
175°	403.2	402.2	402.2	402.2	402.2	401.1	401.1	401.1	401.1	401.1	402.2
177.5°	403.2	402.2	401.1	401.1	400.1	400.1	399.1	399.1	398.0	398.0	398.0
180°	395.9	395.9	395.9	395.9	395.9	395.9	395.9	395.9	395.9	395.9	395.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	294.6	294.6	294.6	294.6	294.6	294.6	294.6	294.6	294.6	294.6
2.5°	295.6	295.6	294.6	294.6	293.6	293.6	292.5	291.5	290.4	290.4
5°	296.7	295.6	294.6	294.6	294.6	293.6	293.6	293.6	292.5	292.5
7.5°	296.7	296.7	296.7	295.6	295.6	295.6	295.6	295.6	294.6	294.6
10°	297.7	297.7	297.7	297.7	297.7	297.7	297.7	296.7	296.7	296.7
12.5°	297.7	297.7	297.7	298.8	298.8	298.8	298.8	298.8	298.8	298.8
15°	298.8	298.8	299.8	299.8	300.9	300.9	301.9	301.9	301.9	300.9
17.5°	297.7	298.8	299.8	300.9	301.9	301.9	303.0	303.0	303.0	303.0
20°	297.7	299.8	300.9	301.9	303.0	303.0	304.0	305.0	305.0	304.0
22.5°	296.7	298.8	299.8	301.9	303.0	303.0	305.0	305.0	305.0	305.0
25°	295.6	297.7	299.8	301.9	303.0	303.0	305.0	305.0	306.1	306.1
27.5°	293.6	295.6	298.8	300.9	301.9	303.0	304.0	305.0	305.0	305.0
30°	290.4	293.6	296.7	298.8	299.8	300.9	301.9	303.0	304.0	304.0
32.5°	286.3	289.3	292.5	295.6	296.7	297.7	299.8	300.9	300.9	300.9
35°	282.0	285.2	288.3	291.5	292.5	293.6	295.6	296.7	297.7	297.7
37.5°	275.8	279.0	282.0	285.2	286.3	288.3	290.4	291.5	291.5	291.5
40°	266.4	271.6	275.8	279.0	280.0	282.0	283.1	285.2	285.2	285.2
42.5°	258.0	262.2	265.4	269.5	270.6	273.7	275.8	276.8	277.9	277.9
45°	248.7	252.8	256.0	259.0	260.1	262.2	264.3	265.4	266.4	267.4
47.5°	239.2	242.4	245.5	248.7	249.7	251.7	253.8	254.9	256.0	256.0
50°	227.8	230.9	234.0	237.1	238.2	240.3	241.3	242.4	243.4	243.4
52.5°	215.2	218.4	221.4	224.6	225.7	226.7	228.7	229.8	230.9	230.9
55°	202.7	205.8	207.9	211.0	212.1	213.1	214.1	216.2	217.3	216.2
57.5°	188.1	191.1	193.2	196.4	197.5	198.5	199.5	200.6	201.6	201.6
60°	172.4	175.5	178.6	180.7	181.8	182.8	183.8	184.9	185.9	185.9
62.5°	156.7	159.9	161.9	165.1	166.1	166.1	167.2	168.2	169.2	169.2
65°	141.0	144.2	145.2	148.3	148.3	149.4	150.4	151.5	151.5	151.5
67.5°	124.3	127.5	128.5	130.6	130.6	131.6	132.6	133.7	133.7	133.7
70°	108.6	109.7	111.8	112.8	113.9	113.9	114.9	116.0	117.0	116.0
72.5°	92.0	93.0	95.0	96.1	96.1	97.2	97.2	98.2	99.3	99.3
75°	75.2	77.3	78.4	79.4	80.4	80.4	81.5	82.5	82.5	82.5
77.5°	59.5	61.7	62.7	63.7	64.7	64.7	65.8	65.8	66.9	65.8
80°	46.0	47.0	48.1	49.1	50.1	50.1	51.2	52.2	52.2	52.2
82.5°	33.4	34.4	36.6	37.6	37.6	37.6	39.7	39.7	40.8	39.7
85°	23.0	24.0	26.1	27.1	28.2	28.2	28.2	29.2	30.3	29.2
87.5°	14.6	16.7	17.8	18.8	18.8	18.8	19.8	20.9	20.9	20.9
90°	8.4	8.4	9.4	10.5	10.5	11.5	11.5	12.5	12.5	12.5
92.5°	8.4	9.4	9.4	9.4	10.5	10.5	10.5	11.5	11.5	11.5
95°	71.0	51.2	29.2	23.0	19.8	19.8	18.8	19.8	18.8	18.8
97.5°	215.2	233.0	241.3	252.8	259.0	258.0	253.8	258.0	254.9	258.0
100°	306.1	322.8	335.3	338.5	344.7	347.9	359.4	367.7	371.9	377.2
102.5°	380.2	400.1	414.8	423.1	429.4	433.5	447.1	459.7	466.0	470.1
105°	448.2	469.0	486.8	495.2	502.5	506.6	521.3	535.9	545.3	550.5
107.5°	502.5	526.6	545.3	557.8	565.1	572.5	590.2	604.8	616.4	621.6
110°	551.6	575.6	595.4	610.0	618.4	625.7	645.6	662.3	674.9	681.1



TEST NUMBER: P395027

CATALOG NUMBER: I3-CL-50L930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	592.3	618.4	638.3	654.0	662.3	672.8	691.6	710.4	722.9	730.2
115°	625.7	652.9	673.8	690.6	699.9	709.3	731.2	750.1	762.6	767.8
117.5°	654.0	681.1	703.1	719.8	730.2	740.7	762.6	779.3	792.9	797.0
120°	676.9	704.1	726.1	744.8	755.3	764.7	785.6	803.4	815.9	819.0
122.5°	692.6	720.9	743.8	764.7	774.1	783.5	803.4	821.1	832.6	835.7
125°	704.1	733.4	756.4	778.3	787.7	797.0	815.9	833.7	843.0	847.3
127.5°	711.4	740.7	765.8	786.7	797.0	805.4	824.3	839.9	849.3	852.4
130°	713.5	743.8	768.9	790.8	800.2	808.6	826.3	842.0	850.3	852.4
132.5°	713.5	742.8	768.9	789.7	799.2	807.5	824.3	838.9	847.3	849.3
135°	709.3	737.5	763.7	784.5	794.0	802.3	819.0	831.6	839.9	841.0
137.5°	702.0	729.2	754.2	775.1	784.5	792.9	807.5	821.1	828.4	830.5
140°	692.6	717.7	742.8	762.6	772.0	779.3	794.0	805.4	812.7	814.8
142.5°	680.1	705.2	728.2	748.0	755.3	763.7	776.2	787.7	794.0	796.1
145°	666.5	690.6	711.4	729.2	737.5	744.8	756.4	766.8	773.1	775.1
147.5°	648.7	672.8	692.6	709.3	716.6	723.9	734.4	743.8	750.1	752.1
150°	626.8	648.7	669.6	685.3	692.6	699.9	710.4	718.7	725.0	726.1
152.5°	604.8	625.7	643.5	659.2	666.5	673.8	683.2	691.6	698.9	698.9
155°	584.0	601.8	618.4	632.0	638.3	644.6	654.0	661.3	667.6	667.6
157.5°	562.0	578.8	592.3	604.8	610.0	615.3	623.7	630.0	635.1	634.1
160°	541.2	553.7	566.2	576.7	581.9	586.1	592.3	597.5	602.7	601.8
162.5°	518.2	529.6	540.1	547.4	551.6	554.7	561.0	566.2	569.4	569.4
165°	492.0	502.5	511.9	519.2	523.4	525.5	530.7	533.9	536.9	536.9
167.5°	464.9	473.3	481.6	487.9	492.0	494.1	499.3	501.4	505.6	504.6
170°	437.7	444.0	450.3	455.5	457.6	459.7	463.8	466.0	468.0	468.0
172.5°	415.7	417.9	421.0	425.2	425.2	426.2	428.3	429.4	430.4	430.4
175°	403.2	404.3	404.3	404.3	404.3	404.3	405.3	404.3	405.3	404.3
177.5°	398.0	398.0	397.0	397.0	395.9	397.0	395.9	394.9	394.9	393.8
180°	395.9	395.9	395.9	395.9	395.9	395.9	395.9	395.9	395.9	395.9

(END OF REPORT)