

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: P395063

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

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395063
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-50L930-1D-UNV-STD-W-4
Description: CORELITE I3, OPEN TOP
5000 LUMENS
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

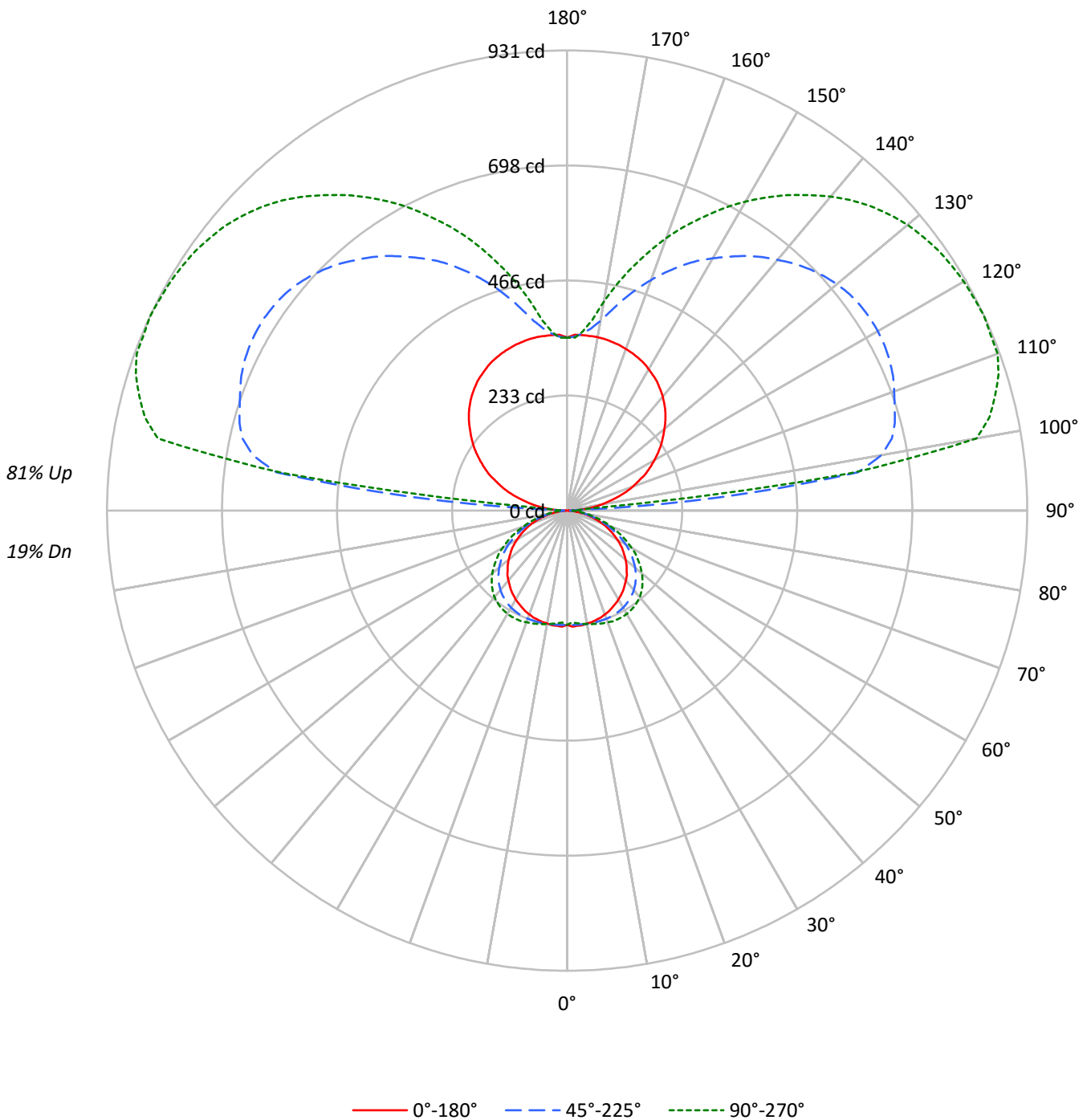
Lumens per Lamp: N/A
Luminaire Lumens: 4238.9 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 33.5
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: P395063
CATALOG NUMBER: I3-UL-50L930-1D-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	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°	1269	1269	1269
5°	1286	1250	1226
10°	1285	1242	1228
15°	1287	1238	1239
20°	1287	1243	1253
25°	1286	1246	1272
30°	1288	1247	1284
35°	1287	1241	1290
40°	1281	1232	1282
45°	1270	1206	1255
50°	1258	1167	1209
55°	1237	1111	1139
60°	1198	1031	1048
65°	1145	917	935
70°	1082	796	789
75°	938	624	633
80°	745	448	457
85°	445	261	302



TEST NUMBER: P395063

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.1	0.5
10°-20°	65.9	1.6
20°-30°	106.0	2.5
30°-40°	136.4	3.2
40°-50°	149.8	3.5
50°-60°	140.8	3.3
60°-70°	109.4	2.6
70°-80°	62.7	1.5
80°-90°	20.1	0.5
90°-100°	271.0	6.4
100°-110°	643.9	15.2
110°-120°	646.8	15.3
120°-130°	593.2	14.0
130°-140°	496.0	11.7
140°-150°	372.3	8.8
150°-160°	242.4	5.7
160°-170°	124.8	2.9
170°-180°	35.3	0.8
0°-30°	193.9	4.6
0°-40°	330.3	7.8
0°-60°	620.9	14.6
0°-90°	813.1	19.2
90°-120°	1561.8	36.8
90°-150°	3023.3	71.3
90°-180°	3426.0	80.8
0°-180°	4238.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	231	231	231	231	231	
5°	234	232	232	231	229	22
15°	229	228	233	236	237	65
25°	216	218	231	239	242	100
35°	198	203	219	233	237	123
45°	170	179	196	211	215	132
55°	137	144	160	171	176	122
65°	96	101	111	120	123	95
75°	51	53	58	65	67	55
85°	10	12	17	22	23	12
90°	1	3	6	9	10	3
95°	37	303	311	42	36	36
105°	106	406	686	846	896	112
115°	174	458	720	875	931	171
125°	232	477	724	867	917	207
135°	281	475	692	822	870	217
145°	318	456	629	739	779	199
155°	340	418	546	626	656	157
165°	353	377	443	491	510	100
175°	356	355	359	364	364	34
180°	350	350	350	350	350	



TEST NUMBER: P395063

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	230.9	230.9	230.9	230.9	230.9	230.9	230.9	230.9	230.9	230.9	230.9
2.5°	235.1	234.0	233.0	233.0	231.9	231.9	231.9	230.9	230.9	230.9	231.9
5°	234.0	234.0	233.0	231.9	231.9	231.9	230.9	230.9	230.9	230.9	231.9
7.5°	234.0	233.0	231.9	231.9	230.9	230.9	230.9	230.9	230.9	230.9	231.9
10°	231.9	231.9	230.9	230.9	229.8	230.9	230.9	230.9	230.9	230.9	233.0
12.5°	230.9	230.9	229.8	228.7	228.7	228.7	229.8	229.8	229.8	230.9	233.0
15°	228.7	228.7	227.8	227.8	227.8	227.8	228.7	228.7	229.8	230.9	233.0
17.5°	226.7	226.7	225.7	225.7	225.7	226.7	226.7	227.8	228.7	230.9	233.0
20°	223.5	223.5	223.5	223.5	223.5	224.6	224.6	225.7	227.8	229.8	233.0
22.5°	220.4	220.4	220.4	220.4	220.4	221.4	222.5	224.6	225.7	228.7	231.9
25°	216.2	216.2	216.2	216.2	217.3	218.4	219.4	221.4	223.5	226.7	230.9
27.5°	212.1	213.1	213.1	213.1	214.1	215.2	216.2	218.4	221.4	225.7	228.7
30°	207.9	207.9	207.9	208.9	210.0	211.0	213.1	215.2	218.4	222.5	226.7
32.5°	202.7	202.7	203.7	203.7	205.8	206.8	208.9	212.1	215.2	219.4	223.5
35°	197.5	197.5	197.5	199.5	200.6	202.7	203.7	206.8	211.0	215.2	219.4
37.5°	191.1	192.2	192.2	193.2	195.4	197.5	198.5	202.7	206.8	211.0	215.2
40°	184.9	185.9	185.9	187.0	190.2	191.1	193.2	197.5	200.6	205.8	210.0
42.5°	178.6	178.6	179.7	180.7	183.8	184.9	187.0	191.1	195.4	199.5	203.7
45°	170.3	171.3	172.4	173.4	176.5	178.6	180.7	183.8	188.1	192.2	196.4
47.5°	162.9	162.9	164.0	166.1	169.2	171.3	172.4	176.5	179.7	183.8	188.1
50°	154.6	155.6	155.6	157.8	160.9	162.9	164.0	168.2	171.3	175.5	179.7
52.5°	145.2	146.2	147.3	149.4	152.6	154.6	155.6	158.8	161.9	166.1	169.2
55°	136.9	137.9	137.9	140.0	143.1	144.2	146.2	148.3	152.6	155.6	159.9
57.5°	127.5	128.5	128.5	130.6	132.6	134.8	135.8	138.9	142.1	145.2	148.3
60°	117.0	118.0	119.1	120.1	122.3	124.3	125.3	127.5	130.6	133.7	136.9
62.5°	106.6	107.6	108.6	109.7	111.8	112.8	113.9	117.0	119.1	122.3	124.3
65°	96.1	97.2	98.2	99.3	100.3	101.3	102.3	104.5	106.6	109.7	110.7
67.5°	85.7	86.7	86.7	87.7	88.8	89.8	90.9	93.0	94.0	97.2	98.2
70°	75.2	75.2	75.2	76.3	76.3	77.3	78.4	80.4	81.5	83.6	85.7
72.5°	62.7	63.7	63.7	63.7	64.7	65.8	66.9	67.9	69.0	70.0	72.0
75°	51.2	52.2	51.2	52.2	53.3	53.3	54.3	55.4	56.4	57.4	58.5
77.5°	40.8	39.7	40.8	40.8	41.7	41.7	41.7	42.8	44.9	44.9	47.0
80°	29.2	29.2	29.2	29.2	30.3	30.3	31.4	31.4	33.4	34.4	35.5
82.5°	18.8	18.8	19.8	19.8	19.8	20.9	20.9	21.9	23.0	24.0	25.1
85°	10.5	10.5	10.5	11.5	11.5	12.5	12.5	13.6	14.6	15.7	16.7
87.5°	3.2	4.1	5.2	5.2	6.3	6.3	7.3	7.3	9.4	10.5	11.5
90°	1.1	1.1	2.1	2.1	2.1	3.2	3.2	4.1	4.1	5.2	6.3
92.5°	17.8	41.7	86.7	129.6	111.8	104.5	62.7	18.8	16.7	17.8	17.8
95°	36.6	69.0	126.4	204.8	265.4	303.0	328.0	376.1	425.2	416.8	311.3
97.5°	53.3	88.8	152.6	224.6	308.2	351.0	383.4	440.8	503.6	555.8	593.4
100°	70.0	106.6	174.5	249.7	327.0	365.6	403.2	481.6	543.2	595.4	645.6
102.5°	87.7	124.3	194.3	272.7	348.9	386.5	423.1	492.0	561.0	623.7	672.8
105°	105.5	143.1	212.1	292.5	368.8	406.4	441.9	507.7	571.5	630.0	686.3
107.5°	124.3	159.9	227.8	308.2	384.5	422.1	457.6	523.4	585.0	643.5	694.7
110°	141.0	175.5	243.4	322.8	399.1	436.7	472.2	538.0	598.6	654.0	704.1



TEST NUMBER: P395063

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

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	156.7	190.2	258.0	335.3	410.5	448.2	482.6	548.5	609.1	663.3	713.5
115°	174.5	203.7	272.7	346.9	421.0	457.6	492.0	556.8	617.4	670.6	719.8
117.5°	189.1	217.3	285.2	356.2	429.4	464.9	498.3	563.1	622.6	675.9	723.9
120°	203.7	229.8	296.7	364.6	435.7	470.1	503.6	567.2	626.8	679.0	726.1
122.5°	218.4	242.4	306.1	372.9	440.8	475.3	507.7	570.4	628.9	680.1	726.1
125°	231.9	252.8	314.4	379.2	444.0	477.4	508.8	570.4	627.8	678.0	723.9
127.5°	244.4	264.3	320.7	385.5	446.0	478.5	508.8	568.3	625.7	674.9	719.8
130°	257.0	274.7	327.0	388.6	448.2	477.4	506.6	564.2	620.5	669.6	712.5
132.5°	269.5	286.3	332.2	391.8	449.2	477.4	504.6	559.9	614.3	662.3	703.1
135°	281.0	294.6	337.4	393.8	448.2	475.3	500.4	552.6	604.8	651.9	691.6
137.5°	291.5	303.0	341.6	394.9	447.1	472.2	497.3	544.2	593.4	639.3	678.0
140°	300.9	311.3	343.7	394.9	443.0	468.0	491.0	535.9	580.8	624.7	662.3
142.5°	309.3	318.6	346.9	392.8	438.7	462.8	484.7	527.5	568.3	610.0	646.7
145°	317.6	324.9	348.9	391.8	433.5	455.5	476.3	517.1	556.8	594.4	628.9
147.5°	323.9	331.2	351.0	387.6	427.3	447.1	467.0	505.6	542.2	577.7	609.1
150°	330.1	336.4	352.1	383.4	420.0	437.7	455.5	492.0	527.5	559.9	589.2
152.5°	336.4	340.5	355.2	379.2	411.6	428.3	446.0	478.5	510.9	541.2	569.4
155°	340.5	343.7	356.2	375.0	403.2	417.9	432.5	462.8	492.0	520.2	546.4
157.5°	344.7	347.9	357.3	371.9	393.8	407.4	420.0	446.0	473.3	498.3	522.3
160°	347.9	349.9	357.3	369.8	385.5	394.9	406.4	430.4	453.3	475.3	496.3
162.5°	351.0	352.1	357.3	366.7	378.1	384.5	392.8	411.6	432.5	451.3	470.1
165°	353.1	354.2	357.3	364.6	371.9	377.2	381.3	394.9	410.5	427.3	443.0
167.5°	355.2	355.2	357.3	362.5	366.7	369.8	372.9	380.2	390.7	403.2	414.8
170°	356.2	356.2	357.3	360.4	363.5	364.6	366.7	370.8	376.1	382.4	389.7
172.5°	356.2	356.2	356.2	358.3	359.4	359.4	359.4	361.5	364.6	368.8	371.9
175°	356.2	355.2	355.2	356.2	355.2	355.2	355.2	355.2	356.2	358.3	359.4
177.5°	356.2	355.2	354.2	354.2	353.1	353.1	352.1	352.1	352.1	352.1	352.1
180°	349.9	349.9	349.9	349.9	349.9	349.9	349.9	349.9	349.9	349.9	349.9



TEST NUMBER: P395063

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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	230.9	230.9	230.9	230.9	230.9	230.9	230.9	230.9	230.9	230.9
2.5°	231.9	231.9	230.9	229.8	229.8	229.8	228.7	227.8	226.7	226.7
5°	231.9	231.9	230.9	230.9	230.9	230.9	229.8	229.8	228.7	228.7
7.5°	233.0	231.9	231.9	231.9	231.9	231.9	231.9	231.9	230.9	230.9
10°	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0
12.5°	234.0	234.0	234.0	234.0	235.1	235.1	235.1	235.1	235.1	235.1
15°	234.0	235.1	236.1	236.1	236.1	237.1	237.1	237.1	237.1	237.1
17.5°	235.1	236.1	237.1	237.1	238.2	238.2	239.2	239.2	239.2	239.2
20°	235.1	236.1	237.1	238.2	239.2	239.2	240.3	241.3	241.3	240.3
22.5°	234.0	236.1	237.1	238.2	239.2	240.3	241.3	242.4	242.4	242.4
25°	233.0	235.1	237.1	239.2	239.2	240.3	242.4	242.4	242.4	242.4
27.5°	231.9	234.0	236.1	238.2	239.2	240.3	241.3	242.4	242.4	242.4
30°	229.8	233.0	235.1	237.1	238.2	239.2	240.3	241.3	241.3	241.3
32.5°	226.7	229.8	231.9	235.1	236.1	237.1	238.2	239.2	239.2	239.2
35°	223.5	226.7	228.7	231.9	233.0	234.0	236.1	236.1	237.1	237.1
37.5°	218.4	222.5	224.6	227.8	228.7	229.8	231.9	233.0	233.0	233.0
40°	213.1	217.3	219.4	222.5	223.5	224.6	226.7	227.8	228.7	228.7
42.5°	206.8	211.0	213.1	216.2	217.3	218.4	220.4	221.4	222.5	222.5
45°	200.6	203.7	205.8	208.9	211.0	211.0	213.1	214.1	215.2	215.2
47.5°	192.2	195.4	197.5	200.6	202.7	203.7	204.8	205.8	206.8	206.8
50°	182.8	185.9	189.1	191.1	193.2	193.2	195.4	196.4	197.5	197.5
52.5°	173.4	175.5	178.6	181.8	182.8	183.8	184.9	185.9	187.0	187.0
55°	162.9	165.1	168.2	170.3	171.3	172.4	173.4	174.5	175.5	175.5
57.5°	151.5	153.5	156.7	158.8	159.9	160.9	161.9	162.9	164.0	164.0
60°	138.9	141.0	144.2	146.2	147.3	147.3	149.4	150.4	150.4	150.4
62.5°	126.4	128.5	130.6	132.6	133.7	134.8	135.8	136.9	136.9	136.9
65°	113.9	116.0	118.0	119.1	120.1	120.1	121.2	122.3	123.3	123.3
67.5°	100.3	102.3	104.5	105.5	106.6	106.6	107.6	108.6	108.6	108.6
70°	86.7	87.7	89.8	90.9	92.0	92.0	94.0	94.0	94.0	94.0
72.5°	73.1	74.2	76.3	77.3	78.4	78.4	79.4	80.4	80.4	80.4
75°	60.6	61.7	62.7	64.7	64.7	64.7	65.8	66.9	66.9	66.9
77.5°	48.1	49.1	50.1	51.2	52.2	52.2	53.3	54.3	54.3	54.3
80°	36.6	37.6	38.7	39.7	39.7	40.8	40.8	41.7	41.7	41.7
82.5°	26.1	27.1	28.2	29.2	30.3	30.3	31.4	32.4	32.4	31.4
85°	17.8	19.8	20.9	21.9	21.9	21.9	23.0	24.0	24.0	23.0
87.5°	12.5	12.5	13.6	14.6	14.6	15.7	15.7	16.7	16.7	16.7
90°	7.3	7.3	8.4	8.4	9.4	9.4	9.4	10.5	10.5	10.5
92.5°	17.8	17.8	18.8	18.8	18.8	18.8	19.8	19.8	19.8	19.8
95°	190.2	85.7	72.0	43.9	41.7	36.6	35.5	36.6	36.6	35.5
97.5°	638.3	683.2	711.4	725.0	708.3	690.6	670.6	667.6	640.3	579.8
100°	688.4	723.9	758.5	782.4	791.8	800.2	819.0	830.5	835.7	841.0
102.5°	713.5	751.2	781.4	811.7	824.3	835.7	852.4	866.0	871.3	875.4
105°	735.5	774.1	807.5	834.6	846.2	856.6	873.3	885.9	895.2	896.3
107.5°	740.7	781.4	819.0	852.4	866.0	877.6	897.4	906.8	915.2	915.2
110°	750.1	788.7	823.2	853.5	867.1	880.6	901.5	916.2	924.5	926.6



TEST NUMBER: P395063

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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	757.4	797.0	829.5	859.8	871.3	883.8	903.6	917.2	924.5	927.7
115°	763.7	802.3	834.6	862.9	875.4	887.9	907.9	919.3	927.7	930.8
117.5°	767.8	805.4	837.8	863.9	877.6	887.9	906.8	919.3	927.7	928.7
120°	768.9	806.5	837.8	863.9	875.4	886.9	905.7	918.2	926.6	926.6
122.5°	768.9	805.4	836.8	861.9	872.3	882.7	900.5	915.2	922.5	922.5
125°	764.7	801.3	831.6	856.6	867.1	876.5	895.2	908.8	916.2	917.2
127.5°	758.5	794.0	824.3	849.3	859.8	868.1	887.9	900.5	907.9	908.8
130°	750.1	785.6	814.8	838.9	849.3	858.7	875.4	889.0	897.4	899.5
132.5°	740.7	774.1	803.4	826.3	836.8	845.1	861.9	875.4	882.7	885.9
135°	729.2	760.5	788.7	811.7	822.1	830.5	846.2	859.8	867.1	870.2
137.5°	714.5	744.8	772.0	795.0	804.4	812.7	828.4	841.0	847.3	851.4
140°	697.9	726.1	754.2	775.1	784.5	792.9	806.5	820.0	826.3	829.5
142.5°	680.1	708.3	733.4	754.2	762.6	771.0	784.5	797.0	803.4	804.4
145°	661.3	688.4	711.4	731.2	738.6	746.9	759.4	772.0	778.3	779.3
147.5°	640.3	665.4	687.4	706.2	714.5	720.9	732.3	743.8	750.1	751.2
150°	616.4	639.3	659.2	678.0	685.3	691.6	704.1	714.5	720.9	721.9
152.5°	593.4	615.3	632.0	648.7	656.0	662.3	672.8	683.2	689.5	690.6
155°	569.4	589.2	605.9	619.5	625.7	632.0	640.3	649.8	655.0	656.0
157.5°	544.2	563.1	577.7	590.2	596.5	601.8	609.1	617.4	620.5	622.6
160°	517.1	532.8	545.3	557.8	563.1	568.3	575.6	581.9	586.1	587.1
162.5°	487.9	501.4	511.9	523.4	526.6	530.7	538.0	544.2	547.4	548.5
165°	457.6	470.1	479.5	488.9	491.0	494.1	499.3	505.6	507.7	509.8
167.5°	427.3	437.7	444.0	452.4	455.5	457.6	462.8	467.0	469.0	470.1
170°	398.0	405.3	410.5	416.8	417.9	421.0	424.1	428.3	429.4	429.4
172.5°	375.0	378.1	381.3	383.4	384.5	385.5	387.6	388.6	388.6	388.6
175°	360.4	362.5	362.5	363.5	363.5	363.5	363.5	363.5	363.5	363.5
177.5°	352.1	352.1	352.1	351.0	351.0	351.0	351.0	349.9	349.9	349.9
180°	349.9	349.9	349.9	349.9	349.9	349.9	349.9	349.9	349.9	349.9

(END OF REPORT)