

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: P395064

Luminaire Tested: **I3-UL-50L935-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395064  
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-50L935-1D-UNV-STD-W-4  
Description: CORELITE I3, OPEN TOP  
5000 LUMENS  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

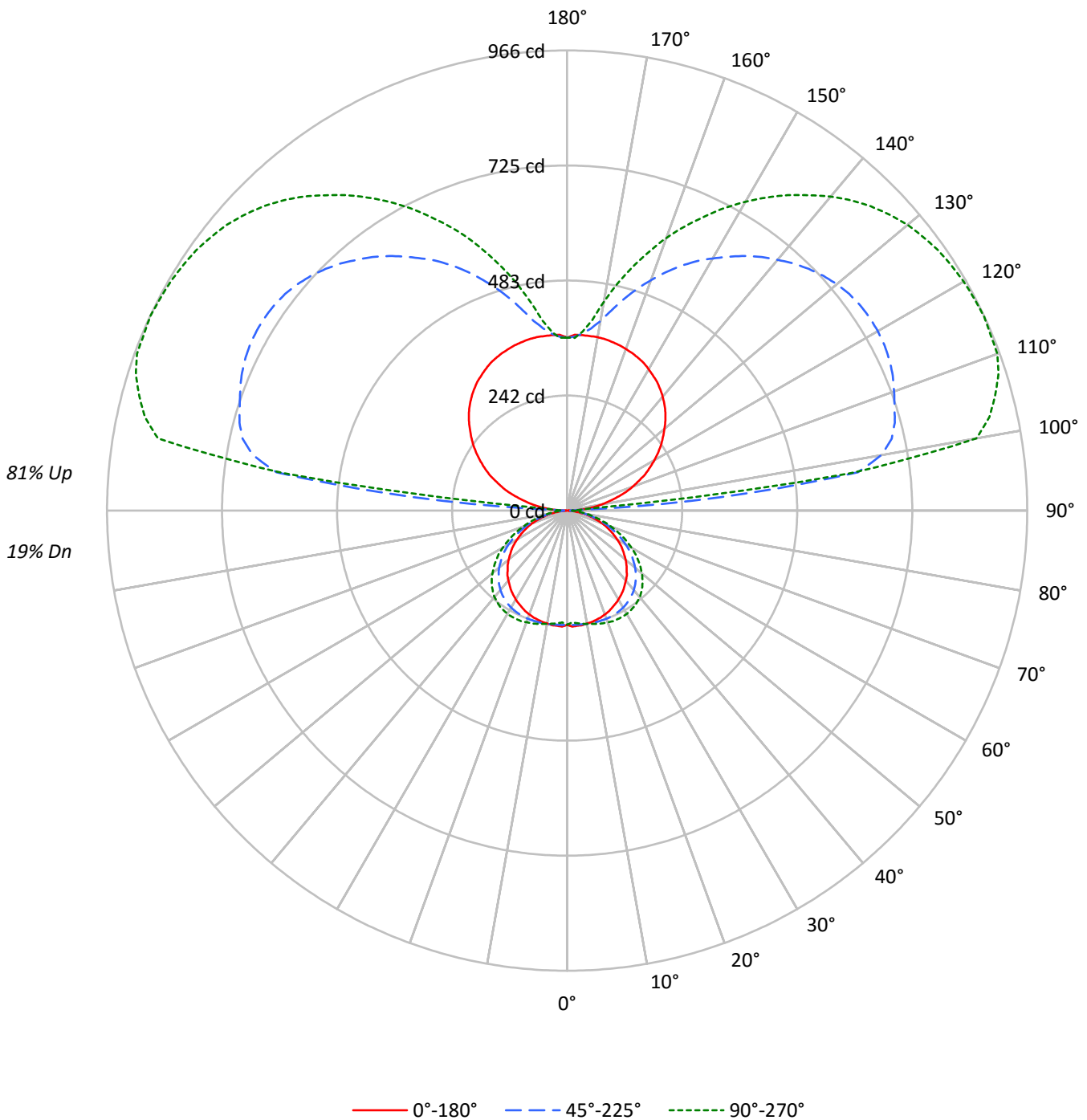
Lumens per Lamp: N/A  
Luminaire Lumens: 4397.2 lumens  
Efficiency: N/A  
Efficacy: 131.3 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')  
CIE Type: Semi-Indirect

Input Watts (W): 33.5  
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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### 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°	1316	1316	1316
5°	1334	1297	1272
10°	1333	1289	1274
15°	1335	1284	1285
20°	1336	1289	1300
25°	1334	1292	1320
30°	1336	1294	1332
35°	1334	1288	1338
40°	1329	1278	1331
45°	1317	1251	1302
50°	1305	1210	1253
55°	1283	1152	1182
60°	1243	1069	1087
65°	1188	952	970
70°	1122	826	819
75°	973	647	657
80°	773	466	474
85°	458	270	312



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.9	0.5
10°-20°	68.3	1.6
20°-30°	109.9	2.5
30°-40°	141.5	3.2
40°-50°	155.4	3.5
50°-60°	146.0	3.3
60°-70°	113.5	2.6
70°-80°	65.1	1.5
80°-90°	20.9	0.5
90°-100°	281.1	6.4
100°-110°	668.0	15.2
110°-120°	671.0	15.3
120°-130°	615.4	14.0
130°-140°	514.6	11.7
140°-150°	386.2	8.8
150°-160°	251.4	5.7
160°-170°	129.5	2.9
170°-180°	36.6	0.8
0°-30°	201.2	4.6
0°-40°	342.6	7.8
0°-60°	644.1	14.6
0°-90°	843.5	19.2
90°-120°	1620.1	36.8
90°-150°	3136.2	71.3
90°-180°	3554.0	80.8
0°-180°	4397.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	240	240	240	240	240	
5°	243	241	241	240	237	23
15°	237	236	242	245	246	67
25°	224	226	240	248	251	104
35°	205	210	228	242	246	128
45°	177	185	204	219	223	137
55°	142	150	166	178	182	127
65°	100	105	115	125	128	99
75°	53	55	61	67	69	57
85°	11	13	17	23	24	13
90°	1	3	6	10	11	3
95°	38	314	323	43	37	38
105°	109	422	712	878	930	116
115°	181	475	747	908	966	178
125°	241	495	751	900	952	215
135°	292	493	717	853	903	225
145°	329	472	652	766	808	206
155°	353	434	567	649	680	163
165°	366	391	460	509	529	104
175°	370	368	373	377	377	35
180°	363	363	363	363	363	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5
2.5°	243.8	242.7	241.7	241.7	240.6	240.6	240.6	239.5	239.5	239.5	240.6
5°	242.7	242.7	241.7	240.6	240.6	240.6	239.5	239.5	239.5	239.5	240.6
7.5°	242.7	241.7	240.6	240.6	239.5	239.5	239.5	239.5	239.5	239.5	240.6
10°	240.6	240.6	239.5	239.5	238.4	239.5	239.5	239.5	239.5	239.5	241.7
12.5°	239.5	239.5	238.4	237.3	237.3	237.3	238.4	238.4	238.4	239.5	241.7
15°	237.3	237.3	236.3	236.3	236.3	236.3	237.3	237.3	238.4	239.5	241.7
17.5°	235.1	235.1	234.1	234.1	234.1	235.1	235.1	236.3	237.3	239.5	241.7
20°	231.9	231.9	231.9	231.9	231.9	233.0	233.0	234.1	236.3	238.4	241.7
22.5°	228.7	228.7	228.7	228.7	228.7	229.7	230.8	233.0	234.1	237.3	240.6
25°	224.3	224.3	224.3	224.3	225.4	226.5	227.6	229.7	231.9	235.1	239.5
27.5°	220.0	221.1	221.1	221.1	222.1	223.3	224.3	226.5	229.7	234.1	237.3
30°	215.7	215.7	215.7	216.7	217.8	218.9	221.1	223.3	226.5	230.8	235.1
32.5°	210.3	210.3	211.3	211.3	213.5	214.6	216.7	220.0	223.3	227.6	231.9
35°	204.8	204.8	204.8	207.0	208.1	210.3	211.3	214.6	218.9	223.3	227.6
37.5°	198.3	199.4	199.4	200.4	202.7	204.8	205.9	210.3	214.6	218.9	223.3
40°	191.8	192.9	192.9	194.0	197.3	198.3	200.4	204.8	208.1	213.5	217.8
42.5°	185.3	185.3	186.4	187.4	190.7	191.8	194.0	198.3	202.7	207.0	211.3
45°	176.7	177.7	178.8	179.9	183.1	185.3	187.4	190.7	195.1	199.4	203.7
47.5°	169.0	169.0	170.1	172.3	175.6	177.7	178.8	183.1	186.4	190.7	195.1
50°	160.4	161.4	161.4	163.7	166.9	169.0	170.1	174.4	177.7	182.1	186.4
52.5°	150.7	151.7	152.8	155.0	158.3	160.4	161.4	164.7	168.0	172.3	175.6
55°	142.0	143.0	143.0	145.3	148.4	149.6	151.7	153.9	158.3	161.4	165.8
57.5°	132.2	133.3	133.3	135.4	137.6	139.8	140.9	144.1	147.4	150.7	153.9
60°	121.4	122.4	123.6	124.6	126.8	129.0	130.0	132.2	135.4	138.7	142.0
62.5°	110.6	111.6	112.7	113.8	116.0	117.0	118.1	121.4	123.6	126.8	129.0
65°	99.7	100.8	101.9	103.0	104.0	105.1	106.2	108.4	110.6	113.8	114.9
67.5°	88.9	90.0	90.0	91.0	92.1	93.2	94.3	96.4	97.6	100.8	101.9
70°	78.0	78.0	78.0	79.1	79.1	80.2	81.3	83.4	84.6	86.7	88.9
72.5°	65.0	66.1	66.1	66.1	67.2	68.3	69.4	70.4	71.5	72.6	74.7
75°	53.1	54.2	53.1	54.2	55.3	55.3	56.3	57.4	58.5	59.6	60.7
77.5°	42.3	41.2	42.3	42.3	43.3	43.3	43.3	44.4	46.6	46.6	48.7
80°	30.3	30.3	30.3	30.3	31.4	31.4	32.5	32.5	34.7	35.7	36.9
82.5°	19.5	19.5	20.6	20.6	20.6	21.7	21.7	22.7	23.8	24.9	26.0
85°	10.8	10.8	10.8	11.9	11.9	13.0	13.0	14.1	15.2	16.3	17.3
87.5°	3.3	4.3	5.4	5.4	6.5	6.5	7.6	7.6	9.7	10.8	11.9
90°	1.1	1.1	2.2	2.2	2.2	3.3	3.3	4.3	4.3	5.4	6.5
92.5°	18.4	43.3	90.0	134.4	116.0	108.4	65.0	19.5	17.3	18.4	18.4
95°	38.0	71.5	131.1	212.4	275.3	314.3	340.3	390.1	441.1	432.4	323.0
97.5°	55.3	92.1	158.3	233.0	319.7	364.1	397.7	457.3	522.4	576.5	615.5
100°	72.6	110.6	181.0	259.0	339.2	379.3	418.3	499.6	563.5	617.7	669.7
102.5°	91.0	129.0	201.6	282.8	362.0	401.0	438.9	510.4	581.9	647.0	697.9
105°	109.4	148.4	220.0	303.4	382.5	421.5	458.4	526.7	592.8	653.5	712.0
107.5°	129.0	165.8	236.3	319.7	398.8	437.8	474.7	542.9	606.8	667.5	720.7
110°	146.3	182.1	252.5	334.8	414.0	453.0	489.8	558.1	621.0	678.4	730.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	162.6	197.3	267.7	347.8	425.9	464.9	500.7	568.9	631.8	688.1	740.1
115°	181.0	211.3	282.8	359.8	436.7	474.7	510.4	577.6	640.5	695.7	746.7
117.5°	196.1	225.4	295.8	369.5	445.4	482.2	516.9	584.1	645.8	701.1	751.0
120°	211.3	238.4	307.8	378.2	451.9	487.7	522.4	588.4	650.2	704.4	753.2
122.5°	226.5	251.4	317.5	386.8	457.3	493.1	526.7	591.7	652.4	705.5	753.2
125°	240.6	262.3	326.1	393.4	460.5	495.2	527.8	591.7	651.3	703.4	751.0
127.5°	253.6	274.1	332.7	399.8	462.7	496.4	527.8	589.5	649.1	700.1	746.7
130°	266.6	285.0	339.2	403.1	464.9	495.2	525.6	585.2	643.7	694.7	739.1
132.5°	279.6	297.0	344.6	406.4	466.0	495.2	523.4	580.8	637.2	687.1	729.4
135°	291.5	305.6	350.0	408.5	464.9	493.1	519.1	573.3	627.4	676.2	717.4
137.5°	302.4	314.3	354.4	409.7	463.8	489.8	515.8	564.6	615.5	663.2	703.4
140°	312.1	323.0	356.5	409.7	459.5	485.5	509.4	555.9	602.5	648.1	687.1
142.5°	320.8	330.5	359.8	407.4	455.1	480.1	502.8	547.3	589.5	632.8	670.8
145°	329.4	337.0	362.0	406.4	449.7	472.5	494.1	536.4	577.6	616.6	652.4
147.5°	336.0	343.5	364.1	402.1	443.2	463.8	484.4	524.5	562.4	599.3	631.8
150°	342.4	349.0	365.2	397.7	435.7	454.1	472.5	510.4	547.3	580.8	611.2
152.5°	349.0	353.3	368.4	393.4	427.0	444.3	462.7	496.4	529.9	561.4	590.6
155°	353.3	356.5	369.5	389.0	418.3	433.5	448.7	480.1	510.4	539.7	566.8
157.5°	357.6	360.8	370.7	385.8	408.5	422.7	435.7	462.7	490.9	516.9	541.8
160°	360.8	363.0	370.7	383.7	399.8	409.7	421.5	446.5	470.3	493.1	514.8
162.5°	364.1	365.2	370.7	380.4	392.3	398.8	407.4	427.0	448.7	468.1	487.7
165°	366.3	367.4	370.7	378.2	385.8	391.2	395.5	409.7	425.9	443.2	459.5
167.5°	368.4	368.4	370.7	376.0	380.4	383.7	386.8	394.4	405.3	418.3	430.2
170°	369.5	369.5	370.7	373.8	377.1	378.2	380.4	384.7	390.1	396.7	404.2
172.5°	369.5	369.5	369.5	371.7	372.8	372.8	372.8	375.0	378.2	382.5	385.8
175°	369.5	368.4	368.4	369.5	368.4	368.4	368.4	368.4	369.5	371.7	372.8
177.5°	369.5	368.4	367.4	367.4	366.3	366.3	365.2	365.2	365.2	365.2	365.2
180°	363.0	363.0	363.0	363.0	363.0	363.0	363.0	363.0	363.0	363.0	363.0



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5	239.5
2.5°	240.6	240.6	239.5	238.4	238.4	238.4	237.3	236.3	235.1	235.1
5°	240.6	240.6	239.5	239.5	239.5	239.5	238.4	238.4	237.3	237.3
7.5°	241.7	240.6	240.6	240.6	240.6	240.6	240.6	240.6	239.5	239.5
10°	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7
12.5°	242.7	242.7	242.7	242.7	243.8	243.8	243.8	243.8	243.8	243.8
15°	242.7	243.8	245.0	245.0	245.0	246.0	246.0	246.0	246.0	246.0
17.5°	243.8	245.0	246.0	246.0	247.1	247.1	248.1	248.1	248.1	248.1
20°	243.8	245.0	246.0	247.1	248.1	248.1	249.3	250.3	250.3	249.3
22.5°	242.7	245.0	246.0	247.1	248.1	249.3	250.3	251.4	251.4	251.4
25°	241.7	243.8	246.0	248.1	248.1	249.3	251.4	251.4	251.4	251.4
27.5°	240.6	242.7	245.0	247.1	248.1	249.3	250.3	251.4	251.4	251.4
30°	238.4	241.7	243.8	246.0	247.1	248.1	249.3	250.3	250.3	250.3
32.5°	235.1	238.4	240.6	243.8	245.0	246.0	247.1	248.1	248.1	248.1
35°	231.9	235.1	237.3	240.6	241.7	242.7	245.0	245.0	246.0	246.0
37.5°	226.5	230.8	233.0	236.3	237.3	238.4	240.6	241.7	241.7	241.7
40°	221.1	225.4	227.6	230.8	231.9	233.0	235.1	236.3	237.3	237.3
42.5°	214.6	218.9	221.1	224.3	225.4	226.5	228.7	229.7	230.8	230.8
45°	208.1	211.3	213.5	216.7	218.9	218.9	221.1	222.1	223.3	223.3
47.5°	199.4	202.7	204.8	208.1	210.3	211.3	212.4	213.5	214.6	214.6
50°	189.7	192.9	196.1	198.3	200.4	200.4	202.7	203.7	204.8	204.8
52.5°	179.9	182.1	185.3	188.6	189.7	190.7	191.8	192.9	194.0	194.0
55°	169.0	171.3	174.4	176.7	177.7	178.8	179.9	181.0	182.1	182.1
57.5°	157.1	159.3	162.6	164.7	165.8	166.9	168.0	169.0	170.1	170.1
60°	144.1	146.3	149.6	151.7	152.8	152.8	155.0	156.0	156.0	156.0
62.5°	131.1	133.3	135.4	137.6	138.7	139.8	140.9	142.0	142.0	142.0
65°	118.1	120.3	122.4	123.6	124.6	124.6	125.7	126.8	127.9	127.9
67.5°	104.0	106.2	108.4	109.4	110.6	110.6	111.6	112.7	112.7	112.7
70°	90.0	91.0	93.2	94.3	95.4	95.4	97.6	97.6	97.6	97.6
72.5°	75.9	77.0	79.1	80.2	81.3	81.3	82.4	83.4	83.4	83.4
75°	62.9	64.0	65.0	67.2	67.2	67.2	68.3	69.4	69.4	69.4
77.5°	49.9	51.0	52.0	53.1	54.2	54.2	55.3	56.3	56.3	56.3
80°	38.0	39.0	40.1	41.2	41.2	42.3	42.3	43.3	43.3	43.3
82.5°	27.1	28.2	29.3	30.3	31.4	31.4	32.5	33.6	33.6	32.5
85°	18.4	20.6	21.7	22.7	22.7	22.7	23.8	24.9	24.9	23.8
87.5°	13.0	13.0	14.1	15.2	15.2	16.3	16.3	17.3	17.3	17.3
90°	7.6	7.6	8.7	8.7	9.7	9.7	9.7	10.8	10.8	10.8
92.5°	18.4	18.4	19.5	19.5	19.5	19.5	20.6	20.6	20.6	20.6
95°	197.3	88.9	74.7	45.5	43.3	38.0	36.9	38.0	38.0	36.9
97.5°	662.1	708.7	738.0	752.1	734.8	716.4	695.7	692.5	664.3	601.4
100°	714.1	751.0	786.8	811.7	821.4	830.1	849.6	861.5	866.9	872.4
102.5°	740.1	779.2	810.6	842.1	855.1	866.9	884.2	898.4	903.8	908.1
105°	762.9	803.0	837.7	865.8	877.8	888.6	905.9	918.9	928.7	929.8
107.5°	768.4	810.6	849.6	884.2	898.4	910.3	930.9	940.6	949.3	949.3
110°	778.1	818.2	853.9	885.4	899.5	913.5	935.2	950.4	959.1	961.2





TEST NUMBER: P395064

CATALOG NUMBER: I3-UL-50L935-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	785.7	826.8	860.5	891.9	903.8	916.8	937.4	951.5	959.1	962.3
115°	792.2	832.2	865.8	895.1	908.1	921.1	941.8	953.6	962.3	965.5
117.5°	796.5	835.5	869.1	896.2	910.3	921.1	940.6	953.6	962.3	963.4
120°	797.6	836.6	869.1	896.2	908.1	920.1	939.5	952.5	961.2	961.2
122.5°	797.6	835.5	868.1	894.1	904.9	915.7	934.1	949.3	956.9	956.9
125°	793.2	831.2	862.6	888.6	899.5	909.2	928.7	942.8	950.4	951.5
127.5°	786.8	823.6	855.1	881.1	891.9	900.5	921.1	934.1	941.8	942.8
130°	778.1	814.9	845.2	870.2	881.1	890.8	908.1	922.2	930.9	933.1
132.5°	768.4	803.0	833.4	857.2	868.1	876.7	894.1	908.1	915.7	918.9
135°	756.4	788.9	818.2	842.1	852.8	861.5	877.8	891.9	899.5	902.7
137.5°	741.2	772.7	800.8	824.7	834.4	843.1	859.4	872.4	878.9	883.2
140°	723.9	753.2	782.4	804.1	813.8	822.5	836.6	850.7	857.2	860.5
142.5°	705.5	734.8	760.8	782.4	791.1	799.8	813.8	826.8	833.4	834.4
145°	686.0	714.1	738.0	758.5	766.2	774.8	787.8	800.8	807.4	808.4
147.5°	664.3	690.3	713.1	732.5	741.2	747.8	759.7	771.5	778.1	779.2
150°	639.4	663.2	683.8	703.4	710.9	717.4	730.4	741.2	747.8	748.8
152.5°	615.5	638.3	655.7	673.0	680.5	687.1	697.9	708.7	715.2	716.4
155°	590.6	611.2	628.5	642.7	649.1	655.7	664.3	674.1	679.5	680.5
157.5°	564.6	584.1	599.3	612.3	618.8	624.2	631.8	640.5	643.7	645.8
160°	536.4	552.7	565.7	578.7	584.1	589.5	597.1	603.6	608.0	609.1
162.5°	506.1	520.1	531.0	542.9	546.2	550.5	558.1	564.6	567.8	568.9
165°	474.7	487.7	497.4	507.1	509.4	512.6	518.0	524.5	526.7	528.8
167.5°	443.2	454.1	460.5	469.2	472.5	474.7	480.1	484.4	486.6	487.7
170°	412.8	420.4	425.9	432.4	433.5	436.7	440.0	444.3	445.4	445.4
172.5°	389.0	392.3	395.5	397.7	398.8	399.8	402.1	403.1	403.1	403.1
175°	373.8	376.0	376.0	377.1	377.1	377.1	377.1	377.1	377.1	377.1
177.5°	365.2	365.2	365.2	364.1	364.1	364.1	364.1	363.0	363.0	363.0
180°	363.0	363.0	363.0	363.0	363.0	363.0	363.0	363.0	363.0	363.0

(END OF REPORT)