

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: P395070

Luminaire Tested: **I3-UL-80L935-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395070
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-80L935-1D-UNV-STD-W-4
Description: CORELITE I3, OPEN TOP
8000 LUMENS
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

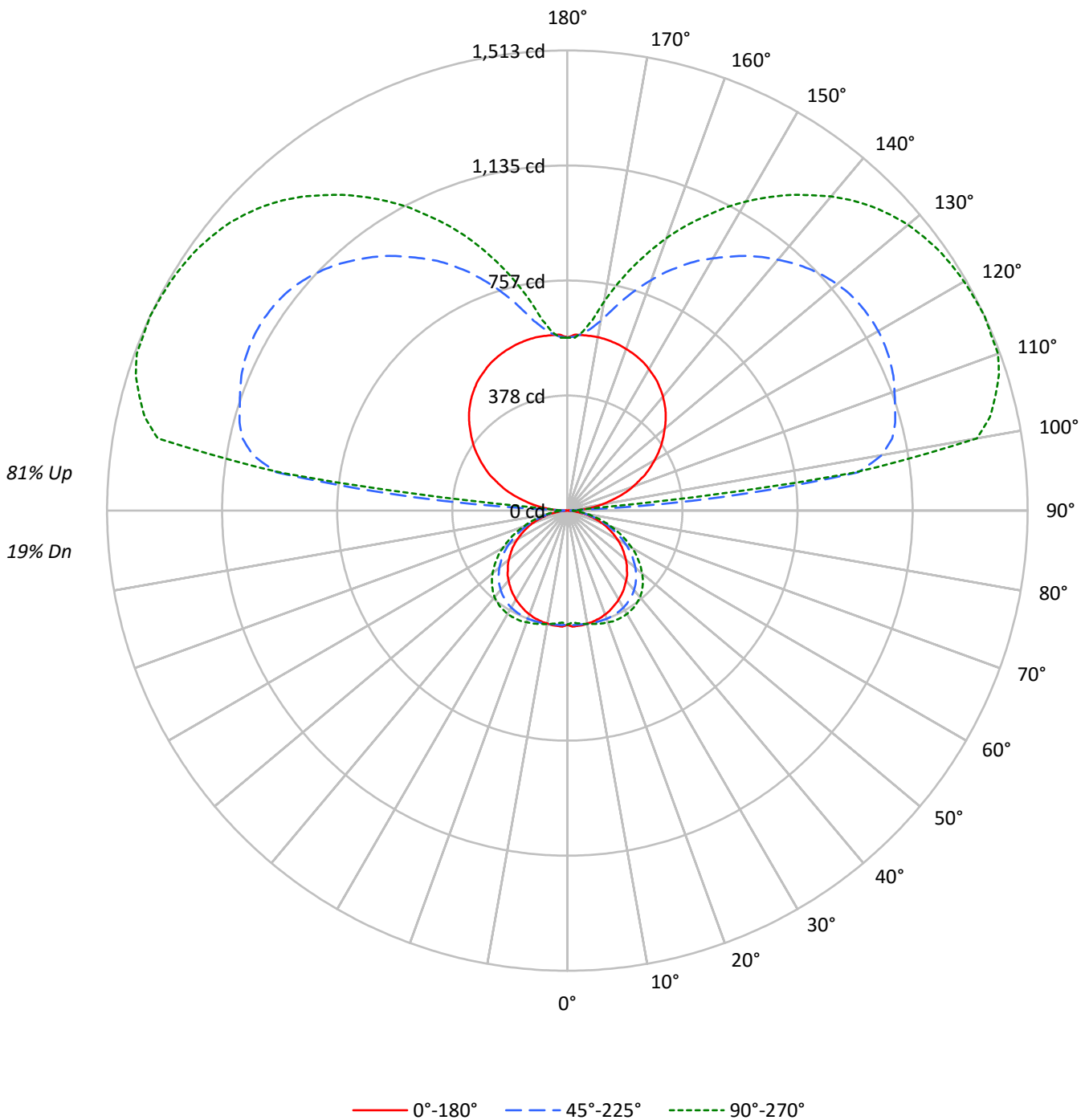
Lumens per Lamp: N/A
Luminaire Lumens: 6889.8 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 57.2
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



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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°	2062	2062	2062
5°	2091	2032	1994
10°	2088	2019	1996
15°	2092	2012	2014
20°	2093	2020	2037
25°	2090	2025	2068
30°	2093	2027	2088
35°	2091	2017	2097
40°	2082	2002	2085
45°	2064	1961	2039
50°	2045	1897	1964
55°	2009	1805	1852
60°	1947	1674	1704
65°	1862	1490	1520
70°	1760	1293	1282
75°	1525	1014	1029
80°	1211	730	744
85°	721	425	490



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.9	0.5
10°-20°	107.0	1.6
20°-30°	172.2	2.5
30°-40°	221.7	3.2
40°-50°	243.5	3.5
50°-60°	228.8	3.3
60°-70°	177.8	2.6
70°-80°	102.0	1.5
80°-90°	32.7	0.5
90°-100°	440.4	6.4
100°-110°	1046.6	15.2
110°-120°	1051.4	15.3
120°-130°	964.2	14.0
130°-140°	806.2	11.7
140°-150°	605.1	8.8
150°-160°	393.9	5.7
160°-170°	202.9	2.9
170°-180°	57.4	0.8
0°-30°	315.2	4.6
0°-40°	536.9	7.8
0°-60°	1009.2	14.6
0°-90°	1321.6	19.2
90°-120°	2538.4	36.8
90°-150°	4914.0	71.3
90°-180°	5568.0	80.8
0°-180°	6889.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	375	375	375	375	375	
5°	380	377	377	375	372	36
15°	372	370	379	384	386	105
25°	352	355	375	389	394	162
35°	321	329	356	379	386	201
45°	277	290	319	343	350	214
55°	222	234	260	278	285	198
65°	156	165	180	195	200	155
75°	83	87	95	105	109	89
85°	17	20	27	36	37	20
90°	2	5	10	15	17	5
95°	59	492	506	68	58	59
105°	172	661	1116	1375	1457	181
115°	284	744	1170	1423	1513	279
125°	377	776	1177	1409	1491	337
135°	457	773	1124	1336	1414	352
145°	516	740	1022	1200	1267	323
155°	554	679	888	1017	1066	256
165°	574	613	720	798	829	162
175°	579	577	584	591	591	55
180°	569	569	569	569	569	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2
2.5°	382.0	380.4	378.7	378.7	376.9	376.9	376.9	375.2	375.2	375.2	376.9
5°	380.4	380.4	378.7	376.9	376.9	376.9	375.2	375.2	375.2	375.2	376.9
7.5°	380.4	378.7	376.9	376.9	375.2	375.2	375.2	375.2	375.2	375.2	376.9
10°	376.9	376.9	375.2	375.2	373.6	375.2	375.2	375.2	375.2	375.2	378.7
12.5°	375.2	375.2	373.6	371.9	371.9	371.9	373.6	373.6	373.6	375.2	378.7
15°	371.9	371.9	370.1	370.1	370.1	370.1	371.9	371.9	373.6	375.2	378.7
17.5°	368.4	368.4	366.8	366.8	366.8	368.4	368.4	370.1	371.9	375.2	378.7
20°	363.3	363.3	363.3	363.3	363.3	365.1	365.1	366.8	370.1	373.6	378.7
22.5°	358.3	358.3	358.3	358.3	358.3	360.0	361.7	365.1	366.8	371.9	376.9
25°	351.5	351.5	351.5	351.5	353.2	354.9	356.5	360.0	363.3	368.4	375.2
27.5°	344.7	346.4	346.4	346.4	348.1	349.8	351.5	354.9	360.0	366.8	371.9
30°	337.9	337.9	337.9	339.6	341.3	343.0	346.4	349.8	354.9	361.7	368.4
32.5°	329.4	329.4	331.1	331.1	334.5	336.2	339.6	344.7	349.8	356.5	363.3
35°	320.9	320.9	320.9	324.3	326.0	329.4	331.1	336.2	343.0	349.8	356.5
37.5°	310.7	312.5	312.5	314.1	317.5	320.9	322.6	329.4	336.2	343.0	349.8
40°	300.6	302.2	302.2	303.9	309.0	310.7	314.1	320.9	326.0	334.5	341.3
42.5°	290.3	290.3	292.1	293.8	298.9	300.6	303.9	310.7	317.5	324.3	331.1
45°	276.8	278.4	280.2	281.9	287.0	290.3	293.8	298.9	305.7	312.5	319.3
47.5°	264.8	264.8	266.6	270.0	275.1	278.4	280.2	287.0	292.1	298.9	305.7
50°	251.3	253.0	253.0	256.4	261.5	264.8	266.6	273.4	278.4	285.2	292.1
52.5°	236.0	237.7	239.4	242.8	247.9	251.3	253.0	258.1	263.2	270.0	275.1
55°	222.4	224.1	224.1	227.6	232.6	234.4	237.7	241.1	247.9	253.0	259.8
57.5°	207.2	208.9	208.9	212.2	215.7	219.0	220.8	225.8	230.9	236.0	241.1
60°	190.2	191.8	193.6	195.3	198.6	202.1	203.8	207.2	212.2	217.3	222.4
62.5°	173.2	174.9	176.6	178.3	181.7	183.4	185.1	190.2	193.6	198.6	202.1
65°	156.2	157.9	159.6	161.4	163.0	164.7	166.4	169.8	173.2	178.3	179.9
67.5°	139.2	140.9	140.9	142.7	144.3	146.0	147.7	151.1	152.8	157.9	159.6
70°	122.3	122.3	122.3	124.0	124.0	125.6	127.3	130.8	132.4	135.9	139.2
72.5°	101.9	103.6	103.6	103.6	105.3	106.9	108.7	110.4	112.1	113.7	117.2
75°	83.2	84.9	83.2	84.9	86.6	86.6	88.3	90.0	91.7	93.4	95.1
77.5°	66.2	64.5	66.2	66.2	67.9	67.9	67.9	69.7	73.0	73.0	76.4
80°	47.5	47.5	47.5	47.5	49.2	49.2	51.0	51.0	54.3	56.1	57.8
82.5°	30.6	30.6	32.3	32.3	32.3	33.9	33.9	35.6	37.4	39.1	40.7
85°	17.0	17.0	17.0	18.7	18.7	20.4	20.4	22.0	23.8	25.5	27.2
87.5°	5.1	6.8	8.5	8.5	10.2	10.2	11.9	11.9	15.2	17.0	18.7
90°	1.7	1.7	3.4	3.4	3.4	5.1	5.1	6.8	6.8	8.5	10.2
92.5°	28.8	67.9	140.9	210.5	181.7	169.8	101.9	30.6	27.2	28.8	28.8
95°	59.4	112.1	205.4	332.8	431.3	492.4	533.1	611.3	691.1	677.5	506.0
97.5°	86.6	144.3	247.9	365.1	500.9	570.5	623.2	716.5	818.5	903.4	964.5
100°	113.7	173.2	283.5	405.8	531.5	594.3	655.4	782.7	883.0	967.9	1049.4
102.5°	142.7	202.1	315.8	443.2	567.1	628.3	687.7	799.8	911.8	1013.7	1093.5
105°	171.5	232.6	344.7	475.4	599.4	660.6	718.2	825.2	928.8	1023.9	1115.6
107.5°	202.1	259.8	370.1	500.9	624.8	686.0	743.7	850.7	950.9	1045.9	1129.2
110°	229.2	285.2	395.6	524.7	648.6	709.7	767.5	874.4	972.9	1062.9	1144.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	254.7	309.0	419.4	545.0	667.3	728.4	784.5	891.5	989.9	1078.2	1159.8
115°	283.5	331.1	443.2	563.7	684.3	743.7	799.8	905.0	1003.5	1090.1	1169.9
117.5°	307.4	353.2	463.6	579.0	697.8	755.6	809.9	915.2	1012.0	1098.6	1176.7
120°	331.1	373.6	482.2	592.6	708.1	764.1	818.5	922.0	1018.8	1103.7	1180.1
122.5°	354.9	393.9	497.5	606.1	716.5	772.6	825.2	927.1	1022.2	1105.4	1180.1
125°	376.9	411.0	511.1	616.4	721.6	776.0	826.9	927.1	1020.5	1102.0	1176.7
127.5°	397.4	429.6	521.2	626.5	725.0	777.7	826.9	923.7	1017.1	1096.9	1169.9
130°	417.7	446.6	531.5	631.6	728.4	776.0	823.5	916.9	1008.6	1088.4	1158.0
132.5°	438.1	465.3	539.9	636.7	730.1	776.0	820.1	910.2	998.4	1076.5	1142.7
135°	456.8	478.8	548.5	640.2	728.4	772.6	813.3	898.2	983.2	1059.5	1124.0
137.5°	473.7	492.4	555.3	641.9	726.8	767.5	808.2	884.7	964.5	1039.1	1102.0
140°	489.0	506.0	558.6	641.9	720.0	760.7	798.1	871.1	944.1	1015.4	1076.5
142.5°	502.6	517.9	563.7	638.4	713.2	752.2	787.9	857.5	923.7	991.6	1051.0
145°	516.2	528.1	567.1	636.7	704.6	740.3	774.3	840.5	905.0	966.1	1022.2
147.5°	526.4	538.3	570.5	630.0	694.5	726.8	759.0	821.8	881.2	939.0	989.9
150°	536.6	546.7	572.2	623.2	682.6	711.4	740.3	799.8	857.5	910.2	957.7
152.5°	546.7	553.5	577.3	616.4	669.0	696.2	725.0	777.7	830.3	879.6	925.4
155°	553.5	558.6	579.0	609.6	655.4	679.2	703.0	752.2	799.8	845.6	888.0
157.5°	560.3	565.4	580.7	604.5	640.2	662.2	682.6	725.0	769.2	809.9	849.0
160°	565.4	568.9	580.7	601.1	626.5	641.9	660.6	699.6	736.9	772.6	806.6
162.5°	570.5	572.2	580.7	596.0	614.7	624.8	638.4	669.0	703.0	733.6	764.1
165°	573.9	575.6	580.7	592.6	604.5	612.9	619.7	641.9	667.3	694.5	720.0
167.5°	577.3	577.3	580.7	589.2	596.0	601.1	606.1	618.0	635.1	655.4	674.1
170°	579.0	579.0	580.7	585.8	590.9	592.6	596.0	602.8	611.3	621.5	633.4
172.5°	579.0	579.0	579.0	582.4	584.1	584.1	584.1	587.5	592.6	599.4	604.5
175°	579.0	577.3	577.3	579.0	577.3	577.3	577.3	577.3	579.0	582.4	584.1
177.5°	579.0	577.3	575.6	575.6	573.9	573.9	572.2	572.2	572.2	572.2	572.2
180°	568.9	568.9	568.9	568.9	568.9	568.9	568.9	568.9	568.9	568.9	568.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2
2.5°	376.9	376.9	375.2	373.6	373.6	373.6	371.9	370.1	368.4	368.4
5°	376.9	376.9	375.2	375.2	375.2	375.2	373.6	373.6	371.9	371.9
7.5°	378.7	376.9	376.9	376.9	376.9	376.9	376.9	376.9	375.2	375.2
10°	378.7	378.7	378.7	378.7	378.7	378.7	378.7	378.7	378.7	378.7
12.5°	380.4	380.4	380.4	380.4	382.0	382.0	382.0	382.0	382.0	382.0
15°	380.4	382.0	383.7	383.7	383.7	385.5	385.5	385.5	385.5	385.5
17.5°	382.0	383.7	385.5	385.5	387.1	387.1	388.8	388.8	388.8	388.8
20°	382.0	383.7	385.5	387.1	388.8	388.8	390.5	392.3	392.3	390.5
22.5°	380.4	383.7	385.5	387.1	388.8	390.5	392.3	393.9	393.9	393.9
25°	378.7	382.0	385.5	388.8	388.8	390.5	393.9	393.9	393.9	393.9
27.5°	376.9	380.4	383.7	387.1	388.8	390.5	392.3	393.9	393.9	393.9
30°	373.6	378.7	382.0	385.5	387.1	388.8	390.5	392.3	392.3	392.3
32.5°	368.4	373.6	376.9	382.0	383.7	385.5	387.1	388.8	388.8	388.8
35°	363.3	368.4	371.9	376.9	378.7	380.4	383.7	383.7	385.5	385.5
37.5°	354.9	361.7	365.1	370.1	371.9	373.6	376.9	378.7	378.7	378.7
40°	346.4	353.2	356.5	361.7	363.3	365.1	368.4	370.1	371.9	371.9
42.5°	336.2	343.0	346.4	351.5	353.2	354.9	358.3	360.0	361.7	361.7
45°	326.0	331.1	334.5	339.6	343.0	343.0	346.4	348.1	349.8	349.8
47.5°	312.5	317.5	320.9	326.0	329.4	331.1	332.8	334.5	336.2	336.2
50°	297.1	302.2	307.4	310.7	314.1	314.1	317.5	319.3	320.9	320.9
52.5°	281.9	285.2	290.3	295.4	297.1	298.9	300.6	302.2	303.9	303.9
55°	264.8	268.3	273.4	276.8	278.4	280.2	281.9	283.5	285.2	285.2
57.5°	246.2	249.6	254.7	258.1	259.8	261.5	263.2	264.8	266.6	266.6
60°	225.8	229.2	234.4	237.7	239.4	239.4	242.8	244.5	244.5	244.5
62.5°	205.4	208.9	212.2	215.7	217.3	219.0	220.8	222.4	222.4	222.4
65°	185.1	188.5	191.8	193.6	195.3	195.3	197.0	198.6	200.4	200.4
67.5°	163.0	166.4	169.8	171.5	173.2	173.2	174.9	176.6	176.6	176.6
70°	140.9	142.7	146.0	147.7	149.4	149.4	152.8	152.8	152.8	152.8
72.5°	118.8	120.5	124.0	125.6	127.3	127.3	129.1	130.8	130.8	130.8
75°	98.5	100.2	101.9	105.3	105.3	105.3	106.9	108.7	108.7	108.7
77.5°	78.1	79.8	81.5	83.2	84.9	84.9	86.6	88.3	88.3	88.3
80°	59.4	61.1	62.9	64.5	64.5	66.2	66.2	67.9	67.9	67.9
82.5°	42.4	44.2	45.8	47.5	49.2	49.2	51.0	52.6	52.6	51.0
85°	28.8	32.3	33.9	35.6	35.6	35.6	37.4	39.1	39.1	37.4
87.5°	20.4	20.4	22.0	23.8	23.8	25.5	25.5	27.2	27.2	27.2
90°	11.9	11.9	13.6	13.6	15.2	15.2	15.2	17.0	17.0	17.0
92.5°	28.8	28.8	30.6	30.6	30.6	30.6	32.3	32.3	32.3	32.3
95°	309.0	139.2	117.2	71.3	67.9	59.4	57.8	59.4	59.4	57.8
97.5°	1037.5	1110.5	1156.3	1178.4	1151.2	1122.4	1090.1	1085.0	1040.9	942.4
100°	1119.0	1176.7	1232.8	1271.8	1287.1	1300.6	1331.2	1349.9	1358.4	1366.9
102.5°	1159.8	1220.8	1270.1	1319.3	1339.7	1358.4	1385.5	1407.6	1416.1	1422.9
105°	1195.4	1258.2	1312.5	1356.7	1375.4	1392.3	1419.5	1439.9	1455.2	1456.9
107.5°	1203.9	1270.1	1331.2	1385.5	1407.6	1426.3	1458.5	1473.9	1487.5	1487.5
110°	1219.2	1281.9	1338.0	1387.2	1409.4	1431.4	1465.3	1489.1	1502.7	1506.1



TEST NUMBER: P395070

CATALOG NUMBER: I3-UL-80L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1231.1	1295.5	1348.2	1397.4	1416.1	1436.5	1468.8	1490.8	1502.7	1507.8
115°	1241.2	1304.1	1356.7	1402.6	1422.9	1443.3	1475.6	1494.3	1507.8	1512.9
117.5°	1248.0	1309.2	1361.8	1404.2	1426.3	1443.3	1473.9	1494.3	1507.8	1509.5
120°	1249.7	1310.9	1361.8	1404.2	1422.9	1441.6	1472.1	1492.5	1506.1	1506.1
122.5°	1249.7	1309.2	1360.1	1400.8	1417.8	1434.8	1463.7	1487.5	1499.3	1499.3
125°	1242.9	1302.3	1351.6	1392.3	1409.4	1424.6	1455.2	1477.2	1489.1	1490.8
127.5°	1232.8	1290.5	1339.7	1380.4	1397.4	1411.0	1443.3	1463.7	1475.6	1477.2
130°	1219.2	1276.9	1324.4	1363.5	1380.4	1395.8	1422.9	1445.0	1458.5	1462.0
132.5°	1203.9	1258.2	1305.8	1343.1	1360.1	1373.6	1400.8	1422.9	1434.8	1439.9
135°	1185.2	1236.1	1281.9	1319.3	1336.4	1349.9	1375.4	1397.4	1409.4	1414.5
137.5°	1161.4	1210.7	1254.8	1292.2	1307.4	1321.0	1346.5	1366.9	1377.1	1383.9
140°	1134.3	1180.1	1226.0	1259.9	1275.2	1288.7	1310.9	1332.9	1343.1	1348.2
142.5°	1105.4	1151.2	1192.0	1226.0	1239.5	1253.1	1275.2	1295.5	1305.8	1307.4
145°	1074.8	1119.0	1156.3	1188.6	1200.5	1214.1	1234.4	1254.8	1265.0	1266.7
147.5°	1040.9	1081.6	1117.3	1147.8	1161.4	1171.6	1190.3	1208.9	1219.2	1220.8
150°	1001.8	1039.1	1071.4	1102.0	1113.9	1124.0	1144.4	1161.4	1171.6	1173.3
152.5°	964.5	1000.1	1027.3	1054.5	1066.3	1076.5	1093.5	1110.5	1120.7	1122.4
155°	925.4	957.7	984.8	1006.9	1017.1	1027.3	1040.9	1056.2	1064.6	1066.3
157.5°	884.7	915.2	939.0	959.3	969.6	978.0	989.9	1003.5	1008.6	1012.0
160°	840.5	866.0	886.3	906.7	915.2	923.7	935.6	945.8	952.6	954.2
162.5°	793.0	815.0	832.0	850.7	855.7	862.5	874.4	884.7	889.8	891.5
165°	743.7	764.1	779.4	794.6	798.1	803.1	811.7	821.8	825.2	828.6
167.5°	694.5	711.4	721.6	735.2	740.3	743.7	752.2	759.0	762.4	764.1
170°	647.0	658.8	667.3	677.5	679.2	684.3	689.4	696.2	697.8	697.8
172.5°	609.6	614.7	619.7	623.2	624.8	626.5	630.0	631.6	631.6	631.6
175°	585.8	589.2	589.2	590.9	590.9	590.9	590.9	590.9	590.9	590.9
177.5°	572.2	572.2	572.2	570.5	570.5	570.5	570.5	568.9	568.9	568.9
180°	568.9	568.9	568.9	568.9	568.9	568.9	568.9	568.9	568.9	568.9

(END OF REPORT)