

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: P395798

Luminaire Tested: **I3-UL-80L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395798  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: I3-UL-80L93050-1D-UNV-W2A-W-4 (3500K)  
Description: CORELITE I3, OPEN TOP  
8000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6828.2 lumens  
Efficiency: N/A  
Efficacy: 107.5 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

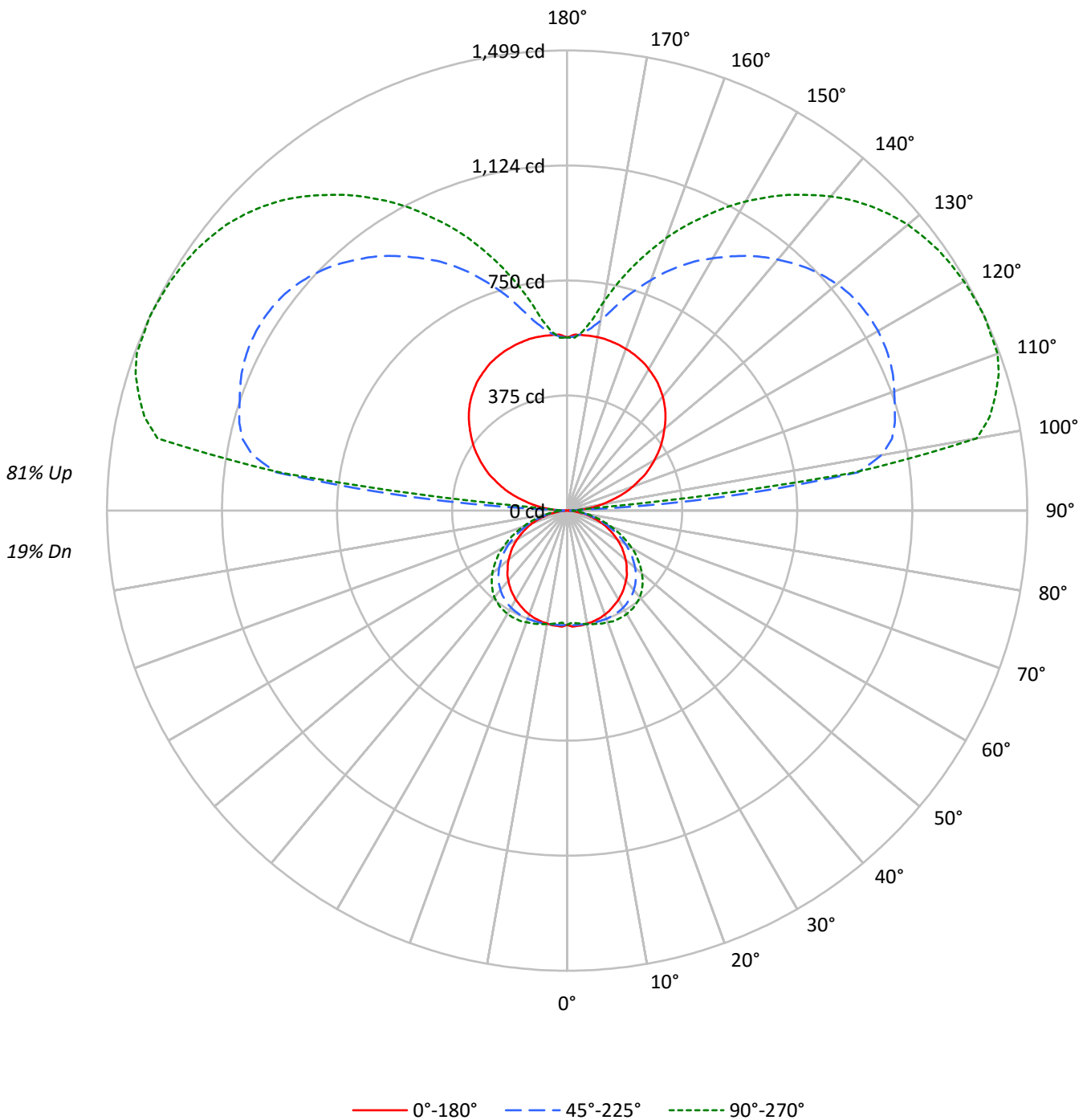
Input Watts (W): 63.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2044	2044	2044
5°	2072	2014	1976
10°	2070	2001	1978
15°	2073	1994	1995
20°	2074	2002	2019
25°	2071	2007	2049
30°	2075	2009	2069
35°	2073	1999	2078
40°	2064	1984	2066
45°	2045	1943	2021
50°	2027	1879	1947
55°	1991	1789	1835
60°	1930	1659	1689
65°	1845	1478	1506
70°	1744	1282	1271
75°	1512	1004	1019
80°	1201	722	737
85°	713	420	485



TEST NUMBER: P395798

CATALOG NUMBER: I3-UL-80L93050-1D-UNV-W2A-W-4 (3500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.6	0.5
10°-20°	106.1	1.6
20°-30°	170.7	2.5
30°-40°	219.7	3.2
40°-50°	241.3	3.5
50°-60°	226.8	3.3
60°-70°	176.2	2.6
70°-80°	101.1	1.5
80°-90°	32.4	0.5
90°-100°	436.5	6.4
100°-110°	1037.3	15.2
110°-120°	1042.0	15.3
120°-130°	955.6	14.0
130°-140°	799.0	11.7
140°-150°	599.7	8.8
150°-160°	390.4	5.7
160°-170°	201.0	2.9
170°-180°	56.9	0.8
0°-30°	312.4	4.6
0°-40°	532.1	7.8
0°-60°	1000.1	14.6
0°-90°	1309.8	19.2
90°-120°	2515.8	36.8
90°-150°	4870.1	71.3
90°-180°	5518.0	80.8
0°-180°	6828.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	372	372	372	372	372	
5°	377	374	374	372	368	36
15°	368	367	375	380	382	104
25°	348	352	372	385	390	161
35°	318	326	353	375	382	199
45°	274	288	316	340	347	212
55°	220	232	258	276	283	197
65°	155	163	178	194	199	153
75°	82	86	94	104	108	88
85°	17	20	27	35	37	20
90°	2	5	10	15	17	5
95°	59	488	502	67	57	59
105°	170	655	1106	1363	1444	180
115°	281	737	1160	1410	1499	276
125°	374	769	1166	1397	1478	333
135°	453	766	1114	1324	1402	349
145°	512	734	1013	1190	1255	320
155°	549	673	880	1008	1057	253
165°	569	608	714	791	821	161
175°	574	572	579	586	586	55
180°	564	564	564	564	564	



TEST NUMBER: P395798

CATALOG NUMBER: I3-UL-80L93050-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	371.9	371.9	371.9	371.9	371.9	371.9	371.9	371.9	371.9	371.9	371.9
2.5°	378.6	376.9	375.3	375.3	373.6	373.6	373.6	371.9	371.9	371.9	373.6
5°	376.9	376.9	375.3	373.6	373.6	373.6	371.9	371.9	371.9	371.9	373.6
7.5°	376.9	375.3	373.6	373.6	371.9	371.9	371.9	371.9	371.9	371.9	373.6
10°	373.6	373.6	371.9	371.9	370.2	371.9	371.9	371.9	371.9	371.9	375.3
12.5°	371.9	371.9	370.2	368.5	368.5	368.5	370.2	370.2	370.2	371.9	375.3
15°	368.5	368.5	366.9	366.9	366.9	366.9	368.5	368.5	370.2	371.9	375.3
17.5°	365.2	365.2	363.5	363.5	363.5	365.2	365.2	366.9	368.5	371.9	375.3
20°	360.1	360.1	360.1	360.1	360.1	361.8	361.8	363.5	366.9	370.2	375.3
22.5°	355.1	355.1	355.1	355.1	355.1	356.8	358.4	361.8	363.5	368.5	373.6
25°	348.3	348.3	348.3	348.3	350.0	351.7	353.4	356.8	360.1	365.2	371.9
27.5°	341.6	343.3	343.3	343.3	345.0	346.7	348.3	351.7	356.8	363.5	368.5
30°	334.9	334.9	334.9	336.6	338.2	339.9	343.3	346.7	351.7	358.4	365.2
32.5°	326.5	326.5	328.1	328.1	331.5	333.2	336.6	341.6	346.7	353.4	360.1
35°	318.1	318.1	318.1	321.4	323.1	326.5	328.1	333.2	339.9	346.7	353.4
37.5°	308.0	309.6	309.6	311.3	314.7	318.1	319.7	326.5	333.2	339.9	346.7
40°	297.9	299.5	299.5	301.2	306.3	308.0	311.3	318.1	323.1	331.5	338.2
42.5°	287.8	287.8	289.4	291.1	296.2	297.9	301.2	308.0	314.7	321.4	328.1
45°	274.3	276.0	277.7	279.3	284.4	287.8	291.1	296.2	302.9	309.6	316.4
47.5°	262.5	262.5	264.2	267.6	272.6	276.0	277.7	284.4	289.4	296.2	302.9
50°	249.1	250.7	250.7	254.1	259.2	262.5	264.2	270.9	276.0	282.7	289.4
52.5°	233.9	235.6	237.3	240.6	245.7	249.1	250.7	255.8	260.8	267.6	272.6
55°	220.4	222.1	222.1	225.5	230.5	232.2	235.6	239.0	245.7	250.7	257.5
57.5°	205.3	207.0	207.0	210.4	213.7	217.1	218.8	223.8	228.9	233.9	239.0
60°	188.5	190.2	191.8	193.5	196.9	200.3	201.9	205.3	210.4	215.4	220.4
62.5°	171.6	173.3	175.0	176.7	180.1	181.7	183.4	188.5	191.8	196.9	200.3
65°	154.8	156.5	158.2	159.9	161.5	163.2	164.9	168.3	171.6	176.7	178.4
67.5°	138.0	139.7	139.7	141.4	143.0	144.7	146.4	149.8	151.5	156.5	158.2
70°	121.2	121.2	121.2	122.8	122.8	124.5	126.2	129.6	131.3	134.6	138.0
72.5°	101.0	102.7	102.7	102.7	104.3	106.0	107.7	109.4	111.1	112.7	116.1
75°	82.5	84.1	82.5	84.1	85.8	85.8	87.5	89.2	90.9	92.6	94.2
77.5°	65.6	63.9	65.6	65.6	67.3	67.3	67.3	69.0	72.4	72.4	75.7
80°	47.1	47.1	47.1	47.1	48.8	48.8	50.5	50.5	53.8	55.5	57.2
82.5°	30.3	30.3	32.0	32.0	32.0	33.7	33.7	35.3	37.0	38.7	40.4
85°	16.8	16.8	16.8	18.5	18.5	20.2	20.2	21.9	23.6	25.2	26.9
87.5°	5.0	6.7	8.4	8.4	10.1	10.1	11.8	11.8	15.1	16.8	18.5
90°	1.7	1.7	3.4	3.4	3.4	5.0	5.0	6.7	6.7	8.4	10.1
92.5°	28.6	67.3	139.7	208.7	180.1	168.3	101.0	30.3	26.9	28.6	28.6
95°	58.9	111.1	203.6	329.8	427.4	488.0	528.4	605.8	684.9	671.4	501.5
97.5°	85.8	143.0	245.7	361.8	496.4	565.4	617.6	710.1	811.1	895.3	955.8
100°	112.7	171.6	281.0	402.2	526.7	589.0	649.6	775.8	875.1	959.2	1040.0
102.5°	141.4	200.3	313.0	439.2	562.1	622.6	681.5	792.6	903.7	1004.6	1083.7
105°	170.0	230.5	341.6	471.2	594.0	654.6	711.8	817.8	920.5	1014.7	1105.6
107.5°	200.3	257.5	366.9	496.4	619.3	679.9	737.1	843.1	942.4	1036.6	1119.1
110°	227.2	282.7	392.1	520.0	642.8	703.4	760.6	866.6	964.2	1053.4	1134.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	252.4	306.3	415.7	540.2	661.3	721.9	777.5	883.5	981.1	1068.6	1149.4
115°	281.0	328.1	439.2	558.7	678.2	737.1	792.6	896.9	994.5	1080.4	1159.5
117.5°	304.6	350.0	459.4	573.8	691.6	748.8	802.7	907.0	1003.0	1088.8	1166.2
120°	328.1	370.2	477.9	587.3	701.7	757.3	811.1	913.8	1009.7	1093.8	1169.6
122.5°	351.7	390.4	493.1	600.8	710.1	765.7	817.8	918.8	1013.0	1095.5	1169.6
125°	373.6	407.2	506.5	610.9	715.2	769.0	819.5	918.8	1011.4	1092.1	1166.2
127.5°	393.8	425.7	516.6	621.0	718.6	770.7	819.5	915.4	1008.0	1087.1	1159.5
130°	414.0	442.6	526.7	626.0	721.9	769.0	816.2	908.7	999.6	1078.7	1147.7
132.5°	434.2	461.1	535.1	631.1	723.6	769.0	812.8	902.0	989.5	1066.9	1132.5
135°	452.7	474.6	543.5	634.4	721.9	765.7	806.1	890.2	974.3	1050.1	1114.0
137.5°	469.5	488.0	550.3	636.1	720.2	760.6	801.0	876.7	955.8	1029.9	1092.1
140°	484.6	501.5	553.6	636.1	713.5	753.9	790.9	863.3	935.6	1006.3	1066.9
142.5°	498.1	513.3	558.7	632.7	706.8	745.5	780.8	849.8	915.4	982.8	1041.7
145°	511.6	523.4	562.1	631.1	698.4	733.7	767.4	833.0	896.9	957.5	1013.0
147.5°	521.7	533.4	565.4	624.3	688.3	720.2	752.2	814.5	873.4	930.6	981.1
150°	531.8	541.9	567.1	617.6	676.5	705.1	733.7	792.6	849.8	902.0	949.1
152.5°	541.9	548.6	572.2	610.9	663.0	690.0	718.6	770.7	822.9	871.7	917.1
155°	548.6	553.6	573.8	604.1	649.6	673.1	696.7	745.5	792.6	838.0	880.1
157.5°	555.3	560.4	575.5	599.1	634.4	656.3	676.5	718.6	762.3	802.7	841.4
160°	560.4	563.7	575.5	595.7	621.0	636.1	654.6	693.3	730.3	765.7	799.3
162.5°	565.4	567.1	575.5	590.7	609.2	619.3	632.7	663.0	696.7	727.0	757.3
165°	568.8	570.5	575.5	587.3	599.1	607.5	614.2	636.1	661.3	688.3	713.5
167.5°	572.2	572.2	575.5	583.9	590.7	595.7	600.8	612.5	629.4	649.6	668.1
170°	573.8	573.8	575.5	580.6	585.6	587.3	590.7	597.4	605.8	615.9	627.7
172.5°	573.8	573.8	573.8	577.2	578.9	578.9	578.9	582.3	587.3	594.0	599.1
175°	573.8	572.2	572.2	573.8	572.2	572.2	572.2	572.2	573.8	577.2	578.9
177.5°	573.8	572.2	570.5	570.5	568.8	568.8	567.1	567.1	567.1	567.1	567.1
180°	563.7	563.7	563.7	563.7	563.7	563.7	563.7	563.7	563.7	563.7	563.7



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	371.9	371.9	371.9	371.9	371.9	371.9	371.9	371.9	371.9	371.9
2.5°	373.6	373.6	371.9	370.2	370.2	370.2	368.5	366.9	365.2	365.2
5°	373.6	373.6	371.9	371.9	371.9	371.9	370.2	370.2	368.5	368.5
7.5°	375.3	373.6	373.6	373.6	373.6	373.6	373.6	373.6	371.9	371.9
10°	375.3	375.3	375.3	375.3	375.3	375.3	375.3	375.3	375.3	375.3
12.5°	376.9	376.9	376.9	376.9	378.6	378.6	378.6	378.6	378.6	378.6
15°	376.9	378.6	380.3	380.3	380.3	382.0	382.0	382.0	382.0	382.0
17.5°	378.6	380.3	382.0	382.0	383.7	383.7	385.4	385.4	385.4	385.4
20°	378.6	380.3	382.0	383.7	385.4	385.4	387.0	388.7	388.7	387.0
22.5°	376.9	380.3	382.0	383.7	385.4	387.0	388.7	390.4	390.4	390.4
25°	375.3	378.6	382.0	385.4	385.4	387.0	390.4	390.4	390.4	390.4
27.5°	373.6	376.9	380.3	383.7	385.4	387.0	388.7	390.4	390.4	390.4
30°	370.2	375.3	378.6	382.0	383.7	385.4	387.0	388.7	388.7	388.7
32.5°	365.2	370.2	373.6	378.6	380.3	382.0	383.7	385.4	385.4	385.4
35°	360.1	365.2	368.5	373.6	375.3	376.9	380.3	380.3	382.0	382.0
37.5°	351.7	358.4	361.8	366.9	368.5	370.2	373.6	375.3	375.3	375.3
40°	343.3	350.0	353.4	358.4	360.1	361.8	365.2	366.9	368.5	368.5
42.5°	333.2	339.9	343.3	348.3	350.0	351.7	355.1	356.8	358.4	358.4
45°	323.1	328.1	331.5	336.6	339.9	339.9	343.3	345.0	346.7	346.7
47.5°	309.6	314.7	318.1	323.1	326.5	328.1	329.8	331.5	333.2	333.2
50°	294.5	299.5	304.6	308.0	311.3	311.3	314.7	316.4	318.1	318.1
52.5°	279.3	282.7	287.8	292.8	294.5	296.2	297.9	299.5	301.2	301.2
55°	262.5	265.9	270.9	274.3	276.0	277.7	279.3	281.0	282.7	282.7
57.5°	244.0	247.4	252.4	255.8	257.5	259.2	260.8	262.5	264.2	264.2
60°	223.8	227.2	232.2	235.6	237.3	237.3	240.6	242.3	242.3	242.3
62.5°	203.6	207.0	210.4	213.7	215.4	217.1	218.8	220.4	220.4	220.4
65°	183.4	186.8	190.2	191.8	193.5	193.5	195.2	196.9	198.6	198.6
67.5°	161.5	164.9	168.3	170.0	171.6	171.6	173.3	175.0	175.0	175.0
70°	139.7	141.4	144.7	146.4	148.1	148.1	151.5	151.5	151.5	151.5
72.5°	117.8	119.5	122.8	124.5	126.2	126.2	127.9	129.6	129.6	129.6
75°	97.6	99.3	101.0	104.3	104.3	104.3	106.0	107.7	107.7	107.7
77.5°	77.4	79.1	80.8	82.5	84.1	84.1	85.8	87.5	87.5	87.5
80°	58.9	60.6	62.3	63.9	63.9	65.6	65.6	67.3	67.3	67.3
82.5°	42.1	43.8	45.4	47.1	48.8	48.8	50.5	52.2	52.2	50.5
85°	28.6	32.0	33.7	35.3	35.3	35.3	37.0	38.7	38.7	37.0
87.5°	20.2	20.2	21.9	23.6	23.6	25.2	25.2	26.9	26.9	26.9
90°	11.8	11.8	13.5	13.5	15.1	15.1	15.1	16.8	16.8	16.8
92.5°	28.6	28.6	30.3	30.3	30.3	30.3	32.0	32.0	32.0	32.0
95°	306.3	138.0	116.1	70.7	67.3	58.9	57.2	58.9	58.9	57.2
97.5°	1028.2	1100.6	1146.0	1167.9	1140.9	1112.3	1080.4	1075.3	1031.6	934.0
100°	1109.0	1166.2	1221.7	1260.4	1275.6	1289.0	1319.3	1337.8	1346.2	1354.7
102.5°	1149.4	1209.9	1258.7	1307.5	1327.7	1346.2	1373.2	1395.0	1403.5	1410.2
105°	1184.7	1247.0	1300.8	1344.6	1363.1	1379.9	1406.8	1427.0	1442.2	1443.8
107.5°	1193.1	1258.7	1319.3	1373.2	1395.0	1413.6	1445.5	1460.7	1474.1	1474.1
110°	1208.3	1270.5	1326.1	1374.9	1396.7	1418.6	1452.3	1475.8	1489.3	1492.6





TEST NUMBER: P395798

CATALOG NUMBER: I3-UL-80L93050-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1220.0	1284.0	1336.1	1384.9	1403.5	1423.7	1455.6	1477.5	1489.3	1494.3
115°	1230.1	1292.4	1344.6	1390.0	1410.2	1430.4	1462.4	1480.9	1494.3	1499.4
117.5°	1236.9	1297.4	1349.6	1391.7	1413.6	1430.4	1460.7	1480.9	1494.3	1496.0
120°	1238.5	1299.1	1349.6	1391.7	1410.2	1428.7	1459.0	1479.2	1492.6	1492.6
122.5°	1238.5	1297.4	1347.9	1388.3	1405.1	1422.0	1450.6	1474.1	1485.9	1485.9
125°	1231.8	1290.7	1339.5	1379.9	1396.7	1411.9	1442.2	1464.0	1475.8	1477.5
127.5°	1221.7	1278.9	1327.7	1368.1	1384.9	1398.4	1430.4	1450.6	1462.4	1464.0
130°	1208.3	1265.5	1312.6	1351.3	1368.1	1383.3	1410.2	1432.1	1445.5	1448.9
132.5°	1193.1	1247.0	1294.1	1331.1	1347.9	1361.4	1388.3	1410.2	1422.0	1427.0
135°	1174.6	1225.1	1270.5	1307.5	1324.4	1337.8	1363.1	1384.9	1396.7	1401.8
137.5°	1151.0	1199.8	1243.6	1280.6	1295.8	1309.2	1334.5	1354.7	1364.8	1371.5
140°	1124.1	1169.6	1215.0	1248.6	1263.8	1277.2	1299.1	1321.0	1331.1	1336.1
142.5°	1095.5	1140.9	1181.3	1215.0	1228.4	1241.9	1263.8	1284.0	1294.1	1295.8
145°	1065.2	1109.0	1146.0	1178.0	1189.7	1203.2	1223.4	1243.6	1253.7	1255.4
147.5°	1031.6	1071.9	1107.3	1137.6	1151.0	1161.1	1179.6	1198.2	1208.3	1209.9
150°	992.9	1029.9	1061.9	1092.1	1103.9	1114.0	1134.2	1151.0	1161.1	1162.8
152.5°	955.8	991.2	1018.1	1045.0	1056.8	1066.9	1083.7	1100.6	1110.7	1112.3
155°	917.1	949.1	976.0	997.9	1008.0	1018.1	1031.6	1046.7	1055.1	1056.8
157.5°	876.7	907.0	930.6	950.8	960.9	969.3	981.1	994.5	999.6	1003.0
160°	833.0	858.2	878.4	898.6	907.0	915.4	927.2	937.3	944.1	945.7
162.5°	785.9	807.7	824.6	843.1	848.1	854.9	866.6	876.7	881.8	883.5
165°	737.1	757.3	772.4	787.6	790.9	796.0	804.4	814.5	817.8	821.2
167.5°	688.3	705.1	715.2	728.7	733.7	737.1	745.5	752.2	755.6	757.3
170°	641.1	652.9	661.3	671.4	673.1	678.2	683.2	690.0	691.6	691.6
172.5°	604.1	609.2	614.2	617.6	619.3	621.0	624.3	626.0	626.0	626.0
175°	580.6	583.9	583.9	585.6	585.6	585.6	585.6	585.6	585.6	585.6
177.5°	567.1	567.1	567.1	565.4	565.4	565.4	565.4	563.7	563.7	563.7
180°	563.7	563.7	563.7	563.7	563.7	563.7	563.7	563.7	563.7	563.7

(END OF REPORT)