

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: P395800

Luminaire Tested: **I3-UL-80L93050-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395800  
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 (4500K)  
Description: CORELITE I3, OPEN TOP  
8000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7503.0 lumens  
Efficiency: N/A  
Efficacy: 115.6 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

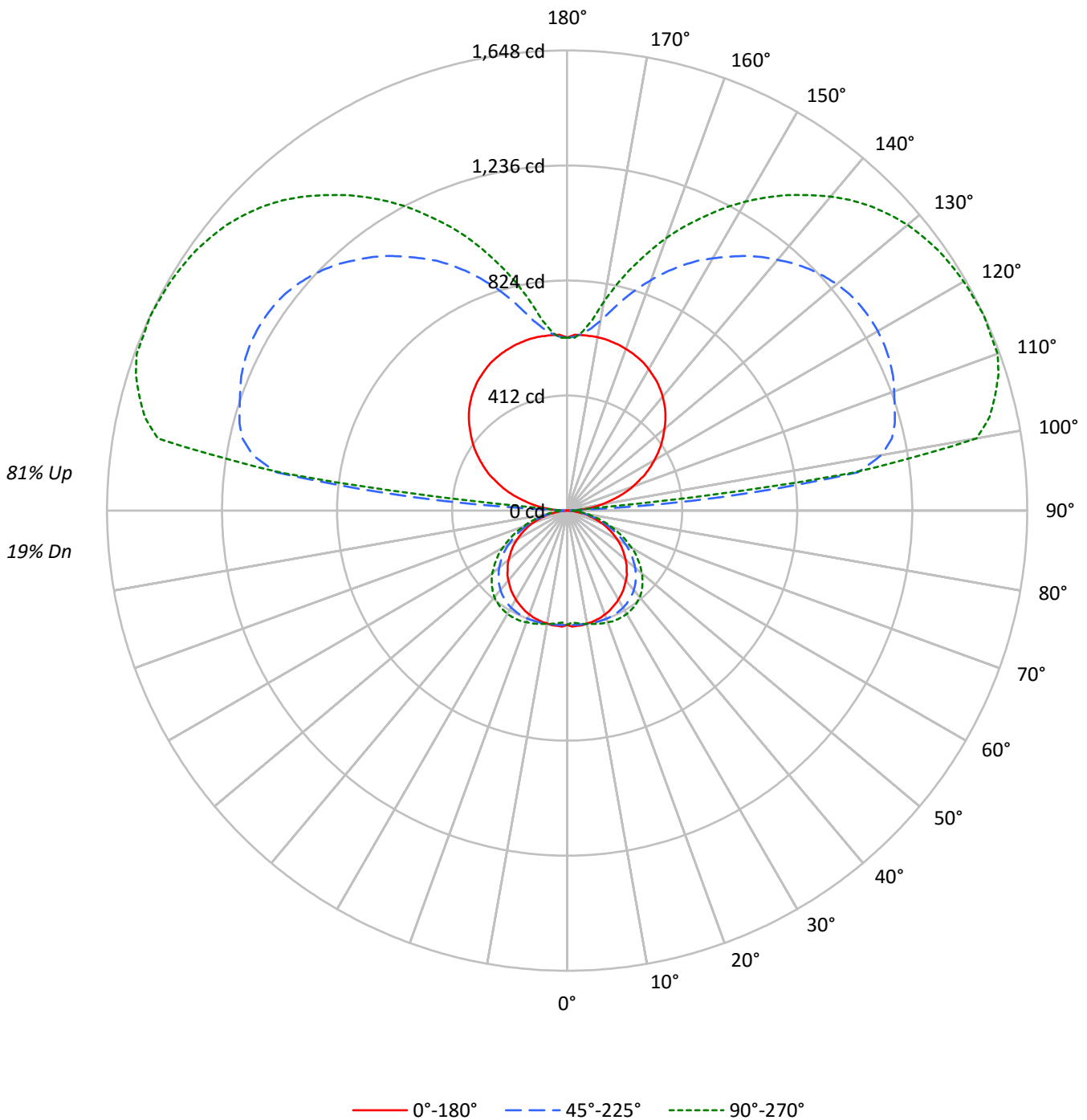
Input Watts (W): 64.9  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





TEST NUMBER: P395800

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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°	2246	2246	2246
5°	2277	2213	2171
10°	2274	2199	2174
15°	2279	2191	2192
20°	2279	2199	2219
25°	2276	2205	2252
30°	2280	2208	2273
35°	2277	2197	2283
40°	2267	2181	2271
45°	2247	2135	2221
50°	2227	2065	2139
55°	2188	1965	2016
60°	2120	1823	1856
65°	2027	1624	1655
70°	1915	1408	1396
75°	1660	1103	1120
80°	1321	794	810
85°	785	462	534



TEST NUMBER: P395800

CATALOG NUMBER: I3-UL-80L93050-1D-UNV-W2A-W-4 (4500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.1	0.5
10°-20°	116.6	1.6
20°-30°	187.6	2.5
30°-40°	241.4	3.2
40°-50°	265.1	3.5
50°-60°	249.2	3.3
60°-70°	193.6	2.6
70°-80°	111.1	1.5
80°-90°	35.6	0.5
90°-100°	479.6	6.4
100°-110°	1139.8	15.2
110°-120°	1145.0	15.3
120°-130°	1050.0	14.0
130°-140°	878.0	11.7
140°-150°	659.0	8.8
150°-160°	429.0	5.7
160°-170°	220.9	2.9
170°-180°	62.5	0.8
0°-30°	343.3	4.6
0°-40°	584.7	7.8
0°-60°	1099.0	14.6
0°-90°	1439.2	19.2
90°-120°	2764.4	36.8
90°-150°	5351.3	71.3
90°-180°	6064.0	80.8
0°-180°	7503.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	409	409	409	409	409	
5°	414	410	410	409	405	39
15°	405	403	412	418	420	114
25°	383	386	409	423	429	177
35°	350	359	388	412	420	218
45°	301	316	348	374	381	233
55°	242	255	283	303	311	216
65°	170	179	196	213	218	168
75°	91	94	104	115	118	97
85°	18	22	30	39	41	22
90°	2	6	11	17	18	6
95°	65	536	551	74	63	64
105°	187	719	1215	1498	1586	198
115°	309	810	1274	1550	1648	304
125°	410	845	1281	1535	1624	366
135°	497	841	1224	1455	1540	383
145°	562	806	1113	1307	1379	351
155°	603	740	967	1108	1161	278
165°	625	668	784	869	902	177
175°	630	629	636	644	644	60
180°	620	620	620	620	620	



TEST NUMBER: P395800

CATALOG NUMBER: I3-UL-80L93050-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7
2.5°	416.0	414.2	412.4	412.4	410.5	410.5	410.5	408.7	408.7	408.7	410.5
5°	414.2	414.2	412.4	410.5	410.5	410.5	408.7	408.7	408.7	408.7	410.5
7.5°	414.2	412.4	410.5	410.5	408.7	408.7	408.7	408.7	408.7	408.7	410.5
10°	410.5	410.5	408.7	408.7	406.8	408.7	408.7	408.7	408.7	408.7	412.4
12.5°	408.7	408.7	406.8	405.0	405.0	405.0	406.8	406.8	406.8	408.7	412.4
15°	405.0	405.0	403.1	403.1	403.1	403.1	405.0	405.0	406.8	408.7	412.4
17.5°	401.3	401.3	399.4	399.4	399.4	401.3	401.3	403.1	405.0	408.7	412.4
20°	395.7	395.7	395.7	395.7	395.7	397.6	397.6	399.4	403.1	406.8	412.4
22.5°	390.2	390.2	390.2	390.2	390.2	392.0	393.9	397.6	399.4	405.0	410.5
25°	382.8	382.8	382.8	382.8	384.6	386.5	388.3	392.0	395.7	401.3	408.7
27.5°	375.4	377.2	377.2	377.2	379.1	380.9	382.8	386.5	392.0	399.4	405.0
30°	368.0	368.0	368.0	369.8	371.7	373.5	377.2	380.9	386.5	393.9	401.3
32.5°	358.7	358.7	360.6	360.6	364.3	366.1	369.8	375.4	380.9	388.3	395.7
35°	349.5	349.5	349.5	353.2	355.0	358.7	360.6	366.1	373.5	380.9	388.3
37.5°	338.4	340.2	340.2	342.1	345.8	349.5	351.3	358.7	366.1	373.5	380.9
40°	327.3	329.1	329.1	331.0	336.5	338.4	342.1	349.5	355.0	364.3	371.7
42.5°	316.2	316.2	318.0	319.9	325.4	327.3	331.0	338.4	345.8	353.2	360.6
45°	301.4	303.3	305.1	307.0	312.5	316.2	319.9	325.4	332.8	340.2	347.6
47.5°	288.5	288.5	290.3	294.0	299.6	303.3	305.1	312.5	318.0	325.4	332.8
50°	273.7	275.5	275.5	279.2	284.8	288.5	290.3	297.7	303.3	310.6	318.0
52.5°	257.0	258.9	260.7	264.4	270.0	273.7	275.5	281.1	286.6	294.0	299.6
55°	242.2	244.1	244.1	247.8	253.3	255.2	258.9	262.6	270.0	275.5	282.9
57.5°	225.6	227.4	227.4	231.1	234.8	238.5	240.4	245.9	251.5	257.0	262.6
60°	207.1	208.9	210.8	212.6	216.3	220.0	221.9	225.6	231.1	236.7	242.2
62.5°	188.6	190.5	192.3	194.2	197.9	199.7	201.6	207.1	210.8	216.3	220.0
65°	170.1	172.0	173.8	175.7	177.5	179.4	181.2	184.9	188.6	194.2	196.0
67.5°	151.6	153.5	153.5	155.3	157.2	159.0	160.9	164.6	166.4	172.0	173.8
70°	133.1	133.1	133.1	135.0	135.0	136.8	138.7	142.4	144.2	147.9	151.6
72.5°	110.9	112.8	112.8	112.8	114.6	116.5	118.3	120.2	122.0	123.9	127.6
75°	90.6	92.5	90.6	92.5	94.3	94.3	96.2	98.0	99.9	101.7	103.5
77.5°	72.1	70.3	72.1	72.1	74.0	74.0	74.0	75.8	79.5	79.5	83.2
80°	51.8	51.8	51.8	51.8	53.6	53.6	55.5	55.5	59.2	61.0	62.9
82.5°	33.3	33.3	35.1	35.1	35.1	37.0	37.0	38.8	40.7	42.5	44.4
85°	18.5	18.5	18.5	20.3	20.3	22.2	22.2	24.0	25.9	27.7	29.6
87.5°	5.5	7.4	9.2	9.2	11.1	11.1	12.9	12.9	16.6	18.5	20.3
90°	1.8	1.8	3.7	3.7	3.7	5.5	5.5	7.4	7.4	9.2	11.1
92.5°	31.4	74.0	153.5	229.3	197.9	184.9	110.9	33.3	29.6	31.4	31.4
95°	64.7	122.0	223.7	362.4	469.7	536.2	580.6	665.7	752.6	737.8	551.0
97.5°	94.3	157.2	270.0	397.6	545.5	621.3	678.6	780.3	891.3	983.7	1050.3
100°	123.9	188.6	308.8	441.9	578.8	647.2	713.8	852.4	961.5	1054.0	1142.7
102.5°	155.3	220.0	343.9	482.6	617.6	684.2	748.9	870.9	993.0	1103.9	1190.8
105°	186.8	253.3	375.4	517.7	652.7	719.3	782.2	898.7	1011.5	1115.0	1214.9
107.5°	220.0	282.9	403.1	545.5	680.5	747.0	809.9	926.4	1035.5	1139.0	1229.7
110°	249.6	310.6	430.8	571.4	706.4	772.9	835.8	952.3	1059.5	1157.5	1246.3



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CATALOG NUMBER: I3-UL-80L93050-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	277.4	336.5	456.7	593.6	726.7	793.3	854.3	970.8	1078.0	1174.2	1262.9
115°	308.8	360.6	482.6	613.9	745.2	809.9	870.9	985.6	1092.8	1187.1	1274.0
117.5°	334.7	384.6	504.8	630.5	760.0	822.9	882.0	996.7	1102.1	1196.4	1281.4
120°	360.6	406.8	525.1	645.3	771.1	832.1	891.3	1004.1	1109.5	1201.9	1285.1
122.5°	386.5	429.0	541.8	660.1	780.3	841.3	898.7	1009.6	1113.2	1203.8	1285.1
125°	410.5	447.5	556.6	671.2	785.9	845.0	900.5	1009.6	1111.3	1200.1	1281.4
127.5°	432.7	467.8	567.7	682.3	789.6	846.9	900.5	1005.9	1107.6	1194.5	1274.0
130°	454.9	486.3	578.8	687.9	793.3	845.0	896.8	998.5	1098.4	1185.3	1261.1
132.5°	477.1	506.7	588.0	693.4	795.1	845.0	893.1	991.1	1087.3	1172.3	1244.4
135°	497.4	521.4	597.3	697.1	793.3	841.3	885.7	978.2	1070.6	1153.8	1224.1
137.5°	515.9	536.2	604.7	699.0	791.4	835.8	880.2	963.4	1050.3	1131.7	1200.1
140°	532.5	551.0	608.4	699.0	784.0	828.4	869.1	948.6	1028.1	1105.8	1172.3
142.5°	547.3	564.0	613.9	695.3	776.6	819.2	858.0	933.8	1005.9	1079.9	1144.6
145°	562.1	575.1	617.6	693.4	767.4	806.2	843.2	915.3	985.6	1052.1	1113.2
147.5°	573.2	586.2	621.3	686.0	756.3	791.4	826.6	895.0	959.7	1022.6	1078.0
150°	584.3	595.4	623.1	678.6	743.3	774.8	806.2	870.9	933.8	991.1	1042.9
152.5°	595.4	602.8	628.7	671.2	728.5	758.1	789.6	846.9	904.2	957.8	1007.8
155°	602.8	608.4	630.5	663.8	713.8	739.6	765.5	819.2	870.9	920.9	967.1
157.5°	610.2	615.8	632.4	658.3	697.1	721.2	743.3	789.6	837.6	882.0	924.6
160°	615.8	619.5	632.4	654.6	682.3	699.0	719.3	761.8	802.5	841.3	878.3
162.5°	621.3	623.1	632.4	649.0	669.4	680.5	695.3	728.5	765.5	798.8	832.1
165°	625.0	626.8	632.4	645.3	658.3	667.5	674.9	699.0	726.7	756.3	784.0
167.5°	628.7	628.7	632.4	641.6	649.0	654.6	660.1	673.1	691.6	713.8	734.1
170°	630.5	630.5	632.4	637.9	643.5	645.3	649.0	656.4	665.7	676.8	689.7
172.5°	630.5	630.5	630.5	634.2	636.1	636.1	636.1	639.8	645.3	652.7	658.3
175°	630.5	628.7	628.7	630.5	628.7	628.7	628.7	628.7	630.5	634.2	636.1
177.5°	630.5	628.7	626.8	626.8	625.0	625.0	623.1	623.1	623.1	623.1	623.1
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7
2.5°	410.5	410.5	408.7	406.8	406.8	406.8	405.0	403.1	401.3	401.3
5°	410.5	410.5	408.7	408.7	408.7	408.7	406.8	406.8	405.0	405.0
7.5°	412.4	410.5	410.5	410.5	410.5	410.5	410.5	410.5	408.7	408.7
10°	412.4	412.4	412.4	412.4	412.4	412.4	412.4	412.4	412.4	412.4
12.5°	414.2	414.2	414.2	414.2	416.0	416.0	416.0	416.0	416.0	416.0
15°	414.2	416.0	417.9	417.9	417.9	419.7	419.7	419.7	419.7	419.7
17.5°	416.0	417.9	419.7	419.7	421.6	421.6	423.4	423.4	423.4	423.4
20°	416.0	417.9	419.7	421.6	423.4	423.4	425.3	427.1	427.1	425.3
22.5°	414.2	417.9	419.7	421.6	423.4	425.3	427.1	429.0	429.0	429.0
25°	412.4	416.0	419.7	423.4	423.4	425.3	429.0	429.0	429.0	429.0
27.5°	410.5	414.2	417.9	421.6	423.4	425.3	427.1	429.0	429.0	429.0
30°	406.8	412.4	416.0	419.7	421.6	423.4	425.3	427.1	427.1	427.1
32.5°	401.3	406.8	410.5	416.0	417.9	419.7	421.6	423.4	423.4	423.4
35°	395.7	401.3	405.0	410.5	412.4	414.2	417.9	417.9	419.7	419.7
37.5°	386.5	393.9	397.6	403.1	405.0	406.8	410.5	412.4	412.4	412.4
40°	377.2	384.6	388.3	393.9	395.7	397.6	401.3	403.1	405.0	405.0
42.5°	366.1	373.5	377.2	382.8	384.6	386.5	390.2	392.0	393.9	393.9
45°	355.0	360.6	364.3	369.8	373.5	373.5	377.2	379.1	380.9	380.9
47.5°	340.2	345.8	349.5	355.0	358.7	360.6	362.4	364.3	366.1	366.1
50°	323.6	329.1	334.7	338.4	342.1	342.1	345.8	347.6	349.5	349.5
52.5°	307.0	310.6	316.2	321.7	323.6	325.4	327.3	329.1	331.0	331.0
55°	288.5	292.2	297.7	301.4	303.3	305.1	307.0	308.8	310.6	310.6
57.5°	268.1	271.8	277.4	281.1	282.9	284.8	286.6	288.5	290.3	290.3
60°	245.9	249.6	255.2	258.9	260.7	260.7	264.4	266.3	266.3	266.3
62.5°	223.7	227.4	231.1	234.8	236.7	238.5	240.4	242.2	242.2	242.2
65°	201.6	205.3	208.9	210.8	212.6	212.6	214.5	216.3	218.2	218.2
67.5°	177.5	181.2	184.9	186.8	188.6	188.6	190.5	192.3	192.3	192.3
70°	153.5	155.3	159.0	160.9	162.7	162.7	166.4	166.4	166.4	166.4
72.5°	129.4	131.3	135.0	136.8	138.7	138.7	140.5	142.4	142.4	142.4
75°	107.2	109.1	110.9	114.6	114.6	114.6	116.5	118.3	118.3	118.3
77.5°	85.1	86.9	88.8	90.6	92.5	92.5	94.3	96.2	96.2	96.2
80°	64.7	66.6	68.4	70.3	70.3	72.1	72.1	74.0	74.0	74.0
82.5°	46.2	48.1	49.9	51.8	53.6	53.6	55.5	57.3	57.3	55.5
85°	31.4	35.1	37.0	38.8	38.8	38.8	40.7	42.5	42.5	40.7
87.5°	22.2	22.2	24.0	25.9	25.9	27.7	27.7	29.6	29.6	29.6
90°	12.9	12.9	14.8	14.8	16.6	16.6	16.6	18.5	18.5	18.5
92.5°	31.4	31.4	33.3	33.3	33.3	33.3	35.1	35.1	35.1	35.1
95°	336.5	151.6	127.6	77.7	74.0	64.7	62.9	64.7	64.7	62.9
97.5°	1129.8	1209.3	1259.2	1283.3	1253.7	1222.3	1187.1	1181.6	1133.5	1026.3
100°	1218.6	1281.4	1342.5	1385.0	1401.6	1416.4	1449.7	1470.0	1479.3	1488.5
102.5°	1262.9	1329.5	1383.1	1436.8	1458.9	1479.3	1508.9	1532.9	1542.2	1549.6
105°	1301.8	1370.2	1429.4	1477.4	1497.8	1516.3	1545.9	1568.0	1584.7	1586.5
107.5°	1311.0	1383.1	1449.7	1508.9	1532.9	1553.2	1588.4	1605.0	1619.8	1619.8
110°	1327.7	1396.1	1457.1	1510.7	1534.8	1558.8	1595.8	1621.7	1636.5	1640.2





TEST NUMBER: P395800

CATALOG NUMBER: I3-UL-80L93050-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1340.6	1410.9	1468.2	1521.8	1542.2	1564.3	1599.5	1623.5	1636.5	1642.0
115°	1351.7	1420.1	1477.4	1527.4	1549.6	1571.7	1606.9	1627.2	1642.0	1647.6
117.5°	1359.1	1425.7	1483.0	1529.2	1553.2	1571.7	1605.0	1627.2	1642.0	1643.9
120°	1360.9	1427.5	1483.0	1529.2	1549.6	1569.9	1603.2	1625.4	1640.2	1640.2
122.5°	1360.9	1425.7	1481.1	1525.5	1544.0	1562.5	1593.9	1619.8	1632.8	1632.8
125°	1353.5	1418.3	1471.9	1516.3	1534.8	1551.4	1584.7	1608.7	1621.7	1623.5
127.5°	1342.5	1405.3	1458.9	1503.3	1521.8	1536.6	1571.7	1593.9	1606.9	1608.7
130°	1327.7	1390.5	1442.3	1484.8	1503.3	1520.0	1549.6	1573.6	1588.4	1592.1
132.5°	1311.0	1370.2	1422.0	1462.6	1481.1	1495.9	1525.5	1549.6	1562.5	1568.0
135°	1290.7	1346.1	1396.1	1436.8	1455.2	1470.0	1497.8	1521.8	1534.8	1540.3
137.5°	1264.8	1318.4	1366.5	1407.2	1423.8	1438.6	1466.3	1488.5	1499.6	1507.0
140°	1235.2	1285.1	1335.1	1372.0	1388.7	1403.5	1427.5	1451.5	1462.6	1468.2
142.5°	1203.8	1253.7	1298.1	1335.1	1349.8	1364.6	1388.7	1410.9	1422.0	1423.8
145°	1170.5	1218.6	1259.2	1294.4	1307.3	1322.1	1344.3	1366.5	1377.6	1379.4
147.5°	1133.5	1177.9	1216.7	1250.0	1264.8	1275.9	1296.2	1316.6	1327.7	1329.5
150°	1091.0	1131.7	1166.8	1200.1	1213.0	1224.1	1246.3	1264.8	1275.9	1277.7
152.5°	1050.3	1089.1	1118.7	1148.3	1161.2	1172.3	1190.8	1209.3	1220.4	1222.3
155°	1007.8	1042.9	1072.5	1096.5	1107.6	1118.7	1133.5	1150.1	1159.4	1161.2
157.5°	963.4	996.7	1022.6	1044.7	1055.8	1065.1	1078.0	1092.8	1098.4	1102.1
160°	915.3	943.0	965.2	987.4	996.7	1005.9	1018.9	1030.0	1037.3	1039.2
162.5°	863.5	887.6	906.1	926.4	931.9	939.3	952.3	963.4	968.9	970.8
165°	809.9	832.1	848.7	865.4	869.1	874.6	883.9	895.0	898.7	902.4
167.5°	756.3	774.8	785.9	800.7	806.2	809.9	819.2	826.6	830.2	832.1
170°	704.5	717.5	726.7	737.8	739.6	745.2	750.7	758.1	760.0	760.0
172.5°	663.8	669.4	674.9	678.6	680.5	682.3	686.0	687.9	687.9	687.9
175°	637.9	641.6	641.6	643.5	643.5	643.5	643.5	643.5	643.5	643.5
177.5°	623.1	623.1	623.1	621.3	621.3	621.3	621.3	619.5	619.5	619.5
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5

(END OF REPORT)