

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: P395487

Luminaire Tested: **I3-CL-80L93050-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395487  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: I3-CL-80L93050-1D-UNV-W2A-W-4 (4000K)  
Description: CORELITE I3, CLEAR TOP COVER  
8000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6753.7 lumens  
Efficiency: N/A  
Efficacy: 105.7 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')  
CIE Type: Semi-Indirect

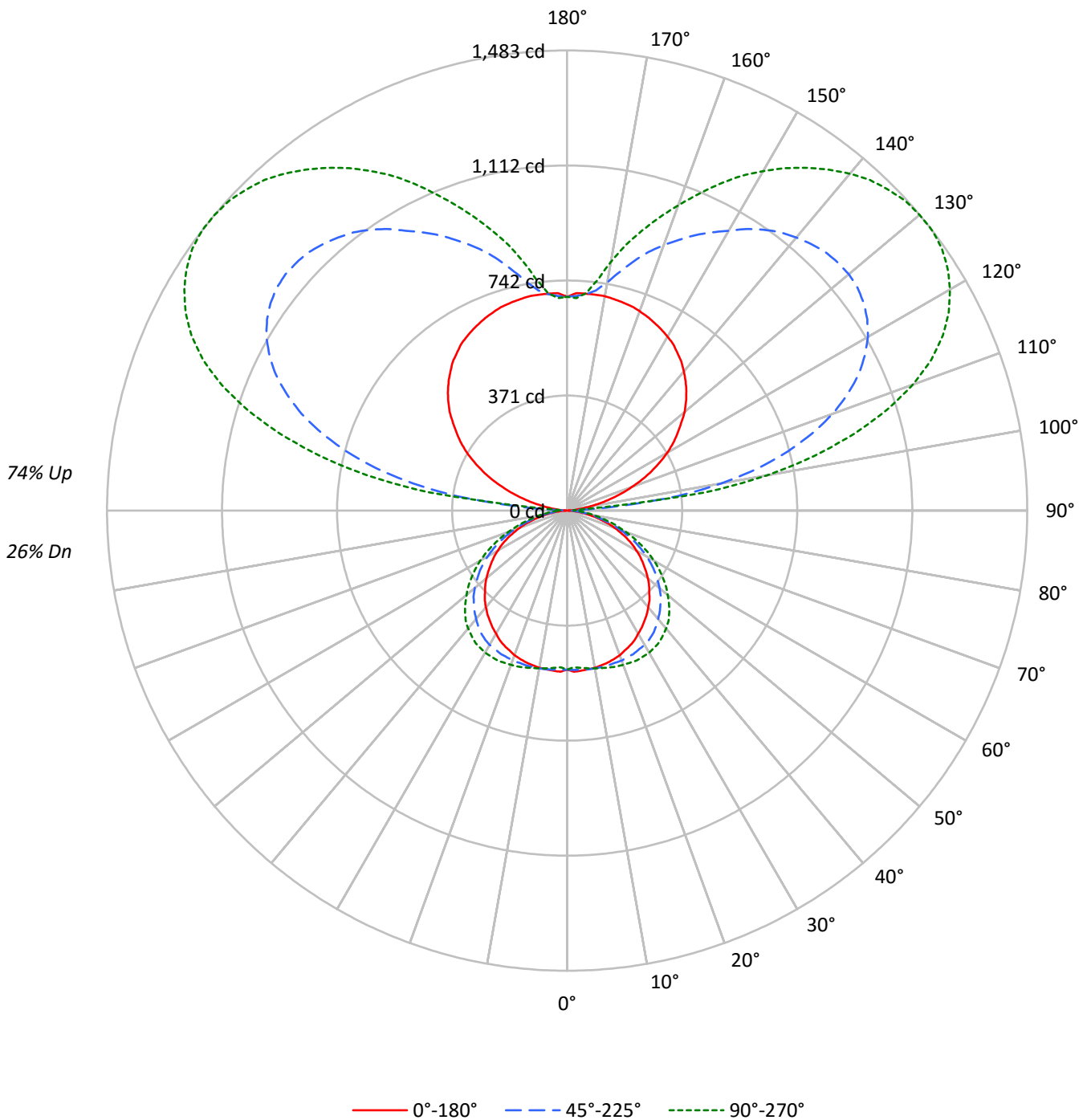
Input Watts (W): 63.9  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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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	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	79	75	73	61	59	57	45	43	42	30	29	28	22
2	84	77	71	65	74	68	63	59	53	50	47	39	37	35	26	25	24	18
3	76	67	60	54	68	60	54	49	47	42	39	34	32	29	23	21	20	15
4	70	59	51	45	62	53	46	41	41	37	33	30	27	25	20	18	17	13
5	64	52	44	39	56	47	40	35	37	32	28	27	24	21	18	16	15	11
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13	9
7	54	42	34	29	48	38	31	26	30	25	21	22	19	16	15	13	11	8
8	50	38	30	25	44	34	27	23	27	22	18	20	17	14	14	11	10	7
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9	6
10	43	31	24	20	38	28	22	18	22	18	15	17	13	11	11	9	8	6

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2817	2817	2817
5°	2847	2773	2728
10°	2849	2752	2721
15°	2852	2742	2734
20°	2858	2743	2759
25°	2853	2746	2795
30°	2837	2750	2815
35°	2830	2735	2817
40°	2820	2676	2782
45°	2791	2612	2712
50°	2765	2526	2591
55°	2709	2398	2442
60°	2643	2230	2255
65°	2534	2002	1998
70°	2354	1705	1692
75°	2032	1356	1359
80°	1576	963	995
85°	925	597	667



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.0	0.7
10°-20°	145.7	2.2
20°-30°	233.6	3.5
30°-40°	298.7	4.4
40°-50°	325.7	4.8
50°-60°	305.2	4.5
60°-70°	236.8	3.5
70°-80°	135.7	2.0
80°-90°	43.4	0.6
90°-100°	174.2	2.6
100°-110°	677.1	10.0
110°-120°	921.9	13.6
120°-130°	956.9	14.2
130°-140°	848.8	12.6
140°-150°	658.6	9.8
150°-160°	439.5	6.5
160°-170°	234.3	3.5
170°-180°	68.5	1.0
0°-30°	428.3	6.3
0°-40°	727.0	10.8
0°-60°	1357.9	20.1
0°-90°	1773.8	26.3
90°-120°	1773.2	26.3
90°-150°	4237.5	62.7
90°-180°	4980.0	73.7
0°-180°	6753.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	512	512	512	512	512	
5°	518	512	514	512	509	49
15°	507	505	516	523	523	143
25°	480	483	509	527	532	221
35°	434	443	483	509	518	272
45°	374	391	425	452	465	289
55°	300	316	345	369	376	268
65°	213	222	242	258	264	210
75°	111	116	127	140	144	118
85°	22	25	38	49	51	26
90°	2	6	13	18	22	2
95°	22	124	169	34	33	29
105°	144	434	736	874	958	153
115°	300	671	1036	1218	1336	296
125°	434	791	1167	1370	1474	388
135°	543	832	1178	1381	1463	419
145°	620	832	1105	1283	1348	388
155°	667	787	980	1110	1161	308
165°	694	723	832	910	934	196
175°	702	698	700	703	703	67
180°	689	689	689	689	689	



TEST NUMBER: P395487

CATALOG NUMBER: I3-CL-80L93050-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	512.5	512.5	512.5	512.5	512.5	512.5	512.5	512.5	512.5	512.5	512.5
2.5°	519.8	517.9	517.9	514.3	514.3	512.5	512.5	512.5	512.5	512.5	514.3
5°	517.9	517.9	516.1	514.3	514.3	512.5	512.5	512.5	512.5	512.5	514.3
7.5°	516.1	516.1	514.3	512.5	512.5	512.5	512.5	512.5	512.5	512.5	516.1
10°	514.3	514.3	512.5	510.7	510.7	510.7	510.7	512.5	512.5	512.5	516.1
12.5°	510.7	508.9	508.9	507.0	507.0	507.0	508.9	508.9	510.7	512.5	516.1
15°	507.0	507.0	505.2	503.4	505.2	505.2	505.2	507.0	508.9	510.7	516.1
17.5°	501.6	501.6	499.8	499.8	499.8	501.6	501.6	503.4	507.0	510.7	514.3
20°	496.1	494.3	494.3	494.3	496.1	496.1	498.0	501.6	503.4	508.9	514.3
22.5°	487.1	488.9	487.1	487.1	488.9	490.7	492.5	496.1	499.8	505.2	510.7
25°	479.8	479.8	479.8	479.8	483.4	483.4	487.1	490.7	496.1	501.6	508.9
27.5°	470.7	470.7	470.7	472.5	474.3	476.2	478.0	483.4	488.9	496.1	503.4
30°	458.0	458.0	458.0	458.0	463.4	465.2	468.9	476.2	481.6	490.7	499.8
32.5°	447.1	447.1	447.1	448.9	452.5	454.3	458.0	467.1	474.3	483.4	492.5
35°	434.4	434.4	436.2	436.2	441.6	443.4	447.1	454.3	461.6	472.5	483.4
37.5°	421.6	421.6	423.4	425.3	428.9	432.5	436.2	443.4	450.7	459.8	470.7
40°	407.1	407.1	408.9	410.7	416.2	419.8	423.4	430.7	438.0	447.1	456.2
42.5°	392.6	392.6	394.4	396.2	401.6	405.3	408.9	418.0	425.3	434.4	441.6
45°	374.4	376.2	378.0	381.6	387.1	390.7	394.4	401.6	410.7	418.0	425.3
47.5°	358.0	359.8	361.7	365.3	370.7	374.4	378.0	385.3	392.6	399.8	408.9
50°	339.8	341.7	343.5	347.1	352.6	356.2	359.8	367.1	374.4	379.8	388.9
52.5°	319.9	321.7	323.5	327.1	334.4	336.2	339.8	347.1	352.6	359.8	367.1
55°	299.9	301.7	303.5	307.1	312.6	316.2	318.0	325.3	330.8	338.0	345.3
57.5°	279.9	281.7	283.5	287.1	290.8	294.4	296.2	301.7	309.0	314.4	321.7
60°	258.1	259.9	261.7	263.5	269.0	270.8	272.6	278.1	283.5	290.8	296.2
62.5°	236.3	236.3	238.1	239.9	245.3	247.2	249.0	252.6	259.9	263.5	269.0
65°	212.6	212.6	214.4	216.3	219.9	221.7	223.5	227.2	232.6	236.3	241.7
67.5°	187.2	187.2	189.0	190.8	194.5	196.3	196.3	201.7	205.4	209.0	212.6
70°	163.6	163.6	165.4	165.4	167.2	169.0	170.8	174.5	176.3	181.7	183.6
72.5°	138.1	138.1	138.1	138.1	141.8	141.8	143.6	147.2	149.0	152.7	156.3
75°	110.9	110.9	112.7	112.7	114.5	116.3	118.1	119.9	123.6	125.4	127.2
77.5°	87.2	85.4	87.2	89.1	90.9	90.9	92.7	94.5	96.3	100.0	101.8
80°	61.8	61.8	61.8	63.6	65.4	65.4	67.2	69.1	70.9	74.5	76.3
82.5°	40.0	40.0	41.8	41.8	43.6	45.4	45.4	47.3	49.1	52.7	54.5
85°	21.8	21.8	21.8	23.6	25.4	25.4	27.3	29.1	32.7	34.5	38.2
87.5°	7.3	7.3	9.1	10.9	12.7	12.7	14.5	16.4	18.2	21.8	23.6
90°	1.8	1.8	1.8	3.6	3.6	5.5	5.5	7.3	9.1	10.9	12.7
92.5°	7.3	12.7	20.0	29.1	27.3	29.1	20.0	12.7	12.7	12.7	14.5
95°	21.8	32.7	52.7	83.6	109.0	123.6	136.3	149.0	174.5	176.3	169.0
97.5°	43.6	60.0	96.3	136.3	181.7	205.4	223.5	261.7	301.7	327.1	358.0
100°	72.7	96.3	143.6	198.1	250.8	281.7	310.8	365.3	414.4	458.0	505.2
102.5°	107.2	134.5	192.6	259.9	325.3	359.8	390.7	454.3	521.6	579.7	630.6
105°	143.6	174.5	243.5	319.9	394.4	434.4	472.5	541.6	612.5	676.1	736.0
107.5°	183.6	216.3	290.8	376.2	459.8	505.2	547.0	621.5	696.1	765.1	828.7
110°	221.7	258.1	336.2	428.9	523.4	568.8	610.6	692.4	770.6	843.3	910.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	261.7	299.9	378.0	479.8	576.1	623.4	667.0	754.2	836.0	910.5	977.7
115°	299.9	336.2	418.0	523.4	621.5	670.6	717.9	806.9	892.3	966.8	1035.9
117.5°	336.2	370.7	454.3	559.7	661.5	710.6	757.8	850.5	935.9	1014.1	1081.3
120°	372.6	403.5	494.3	590.6	694.2	743.3	792.4	885.1	972.3	1050.4	1119.5
122.5°	405.3	434.4	523.4	617.9	719.7	770.6	817.8	912.3	1001.4	1079.5	1146.8
125°	434.4	461.6	550.7	639.7	741.5	790.6	839.6	932.3	1021.4	1097.7	1166.7
127.5°	463.4	490.7	570.7	661.5	756.0	806.9	854.2	946.8	1034.1	1112.2	1179.5
130°	494.3	514.3	590.6	681.5	770.6	817.8	866.9	955.9	1041.4	1117.7	1184.9
132.5°	519.8	537.9	610.6	697.9	781.5	826.9	870.5	959.6	1045.0	1117.7	1183.1
135°	543.4	557.9	625.2	712.4	790.6	832.4	874.2	957.8	1041.4	1114.0	1177.7
137.5°	565.2	579.7	637.9	723.3	797.8	834.2	874.2	952.3	1032.3	1105.0	1164.9
140°	585.2	596.1	648.8	728.8	801.5	836.0	870.5	943.2	1017.7	1088.6	1148.6
142.5°	605.2	614.3	657.9	732.4	803.3	836.0	868.7	932.3	1001.4	1070.4	1130.4
145°	619.7	628.8	665.2	734.2	801.5	832.4	861.4	921.4	983.2	1046.8	1105.0
147.5°	636.1	643.3	672.4	730.6	796.0	825.1	852.3	906.9	963.2	1021.4	1075.9
150°	647.0	654.3	676.1	726.9	786.9	814.2	841.4	892.3	943.2	994.1	1041.4
152.5°	657.9	663.3	681.5	721.5	776.0	801.5	826.9	876.0	923.2	968.7	1010.5
155°	667.0	672.4	685.1	717.9	763.3	786.9	810.5	857.8	901.4	941.4	979.6
157.5°	676.1	679.7	688.8	712.4	748.8	770.6	792.4	834.2	874.2	914.1	945.0
160°	683.3	685.1	692.4	710.6	736.0	752.4	772.4	810.5	846.9	881.4	910.5
162.5°	690.6	690.6	696.1	707.0	725.1	736.0	750.6	783.3	816.0	846.9	874.2
165°	694.2	694.2	697.9	705.1	716.0	723.3	732.4	754.2	779.7	806.9	832.4
167.5°	697.9	697.9	699.7	703.3	710.6	714.2	717.9	732.4	748.8	768.7	788.7
170°	701.5	699.7	699.7	703.3	705.1	707.0	708.8	716.0	723.3	736.0	746.9
172.5°	701.5	699.7	699.7	701.5	701.5	701.5	701.5	703.3	705.1	712.4	716.0
175°	701.5	699.7	699.7	699.7	699.7	697.9	697.9	697.9	697.9	697.9	699.7
177.5°	701.5	699.7	697.9	697.9	696.1	696.1	694.2	694.2	692.4	692.4	692.4
180°	688.8	688.8	688.8	688.8	688.8	688.8	688.8	688.8	688.8	688.8	688.8



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	512.5	512.5	512.5	512.5	512.5	512.5	512.5	512.5	512.5	512.5
2.5°	514.3	514.3	512.5	512.5	510.7	510.7	508.9	507.0	505.2	505.2
5°	516.1	514.3	512.5	512.5	512.5	510.7	510.7	510.7	508.9	508.9
7.5°	516.1	516.1	516.1	514.3	514.3	514.3	514.3	514.3	512.5	512.5
10°	517.9	517.9	517.9	517.9	517.9	517.9	517.9	516.1	516.1	516.1
12.5°	517.9	517.9	517.9	519.8	519.8	519.8	519.8	519.8	519.8	519.8
15°	519.8	519.8	521.6	521.6	523.4	523.4	525.2	525.2	525.2	523.4
17.5°	517.9	519.8	521.6	523.4	525.2	525.2	527.0	527.0	527.0	527.0
20°	517.9	521.6	523.4	525.2	527.0	527.0	528.9	530.7	530.7	528.9
22.5°	516.1	519.8	521.6	525.2	527.0	527.0	530.7	530.7	530.7	530.7
25°	514.3	517.9	521.6	525.2	527.0	527.0	530.7	530.7	532.5	532.5
27.5°	510.7	514.3	519.8	523.4	525.2	527.0	528.9	530.7	530.7	530.7
30°	505.2	510.7	516.1	519.8	521.6	523.4	525.2	527.0	528.9	528.9
32.5°	498.0	503.4	508.9	514.3	516.1	517.9	521.6	523.4	523.4	523.4
35°	490.7	496.1	501.6	507.0	508.9	510.7	514.3	516.1	517.9	517.9
37.5°	479.8	485.2	490.7	496.1	498.0	501.6	505.2	507.0	507.0	507.0
40°	463.4	472.5	479.8	485.2	487.1	490.7	492.5	496.1	496.1	496.1
42.5°	448.9	456.2	461.6	468.9	470.7	476.2	479.8	481.6	483.4	483.4
45°	432.5	439.8	445.3	450.7	452.5	456.2	459.8	461.6	463.4	465.2
47.5°	416.2	421.6	427.1	432.5	434.4	438.0	441.6	443.4	445.3	445.3
50°	396.2	401.6	407.1	412.5	414.4	418.0	419.8	421.6	423.4	423.4
52.5°	374.4	379.8	385.3	390.7	392.6	394.4	398.0	399.8	401.6	401.6
55°	352.6	358.0	361.7	367.1	368.9	370.7	372.6	376.2	378.0	376.2
57.5°	327.1	332.6	336.2	341.7	343.5	345.3	347.1	348.9	350.8	350.8
60°	299.9	305.3	310.8	314.4	316.2	318.0	319.9	321.7	323.5	323.5
62.5°	272.6	278.1	281.7	287.1	289.0	289.0	290.8	292.6	294.4	294.4
65°	245.3	250.8	252.6	258.1	258.1	259.9	261.7	263.5	263.5	263.5
67.5°	216.3	221.7	223.5	227.2	227.2	229.0	230.8	232.6	232.6	232.6
70°	189.0	190.8	194.5	196.3	198.1	198.1	199.9	201.7	203.5	201.7
72.5°	159.9	161.7	165.4	167.2	167.2	169.0	169.0	170.8	172.6	172.6
75°	130.9	134.5	136.3	138.1	139.9	139.9	141.8	143.6	143.6	143.6
77.5°	103.6	107.2	109.0	110.9	112.7	112.7	114.5	114.5	116.3	114.5
80°	80.0	81.8	83.6	85.4	87.2	87.2	89.1	90.9	90.9	90.9
82.5°	58.2	60.0	63.6	65.4	65.4	65.4	69.1	69.1	70.9	69.1
85°	40.0	41.8	45.4	47.3	49.1	49.1	49.1	50.9	52.7	50.9
87.5°	25.4	29.1	30.9	32.7	32.7	32.7	34.5	36.3	36.3	36.3
90°	14.5	14.5	16.4	18.2	18.2	20.0	20.0	21.8	21.8	21.8
92.5°	14.5	16.4	16.4	16.4	18.2	18.2	18.2	20.0	20.0	20.0
95°	123.6	89.1	50.9	40.0	34.5	34.5	32.7	34.5	32.7	32.7
97.5°	374.4	405.3	419.8	439.8	450.7	448.9	441.6	448.9	443.4	448.9
100°	532.5	561.6	583.4	588.8	599.7	605.2	625.2	639.7	647.0	656.1
102.5°	661.5	696.1	721.5	736.0	746.9	754.2	777.8	799.6	810.5	817.8
105°	779.7	816.0	846.9	861.4	874.2	881.4	906.9	932.3	948.7	957.8
107.5°	874.2	916.0	948.7	970.5	983.2	995.9	1026.8	1052.3	1072.2	1081.3
110°	959.6	1001.4	1035.9	1061.3	1075.9	1088.6	1123.1	1152.2	1174.0	1184.9





TEST NUMBER: P395487

CATALOG NUMBER: I3-CL-80L93050-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1030.4	1075.9	1110.4	1137.7	1152.2	1170.4	1203.1	1235.8	1257.6	1270.3
115°	1088.6	1135.9	1172.2	1201.3	1217.6	1234.0	1272.2	1304.9	1326.7	1335.8
117.5°	1137.7	1184.9	1223.1	1252.2	1270.3	1288.5	1326.7	1355.8	1379.4	1386.7
120°	1177.7	1224.9	1263.1	1295.8	1314.0	1330.3	1366.7	1397.6	1419.4	1424.8
122.5°	1204.9	1254.0	1294.0	1330.3	1346.7	1363.0	1397.6	1428.5	1448.4	1453.9
125°	1224.9	1275.8	1315.8	1353.9	1370.3	1386.7	1419.4	1450.3	1466.6	1473.9
127.5°	1237.6	1288.5	1332.1	1368.5	1386.7	1401.2	1433.9	1461.2	1477.5	1483.0
130°	1241.3	1294.0	1337.6	1375.7	1392.1	1406.6	1437.5	1464.8	1479.3	1483.0
132.5°	1241.3	1292.1	1337.6	1373.9	1390.3	1404.8	1433.9	1459.3	1473.9	1477.5
135°	1234.0	1283.1	1328.5	1364.8	1381.2	1395.7	1424.8	1446.6	1461.2	1463.0
137.5°	1221.3	1268.5	1312.1	1348.5	1364.8	1379.4	1404.8	1428.5	1441.2	1444.8
140°	1204.9	1248.5	1292.1	1326.7	1343.0	1355.8	1381.2	1401.2	1413.9	1417.5
142.5°	1183.1	1226.7	1266.7	1301.2	1314.0	1328.5	1350.3	1370.3	1381.2	1384.8
145°	1159.5	1201.3	1237.6	1268.5	1283.1	1295.8	1315.8	1333.9	1344.9	1348.5
147.5°	1128.6	1170.4	1204.9	1234.0	1246.7	1259.4	1277.6	1294.0	1304.9	1308.5
150°	1090.4	1128.6	1164.9	1192.2	1204.9	1217.6	1235.8	1250.3	1261.3	1263.1
152.5°	1052.3	1088.6	1119.5	1146.8	1159.5	1172.2	1188.6	1203.1	1215.8	1215.8
155°	1015.9	1046.8	1075.9	1099.5	1110.4	1121.3	1137.7	1150.4	1161.3	1161.3
157.5°	977.7	1006.8	1030.4	1052.3	1061.3	1070.4	1085.0	1095.9	1105.0	1103.1
160°	941.4	963.2	985.0	1003.2	1012.3	1019.5	1030.4	1039.5	1048.6	1046.8
162.5°	901.4	921.4	939.6	952.3	959.6	965.0	975.9	985.0	990.5	990.5
165°	856.0	874.2	890.5	903.2	910.5	914.1	923.2	928.7	934.1	934.1
167.5°	808.7	823.3	837.8	848.7	856.0	859.6	868.7	872.3	879.6	877.8
170°	761.5	772.4	783.3	792.4	796.0	799.6	806.9	810.5	814.2	814.2
172.5°	723.3	726.9	732.4	739.7	739.7	741.5	745.1	746.9	748.8	748.8
175°	701.5	703.3	703.3	703.3	703.3	703.3	705.1	703.3	705.1	703.3
177.5°	692.4	692.4	690.6	690.6	688.8	690.6	688.8	687.0	687.0	685.1
180°	688.8	688.8	688.8	688.8	688.8	688.8	688.8	688.8	688.8	688.8

(END OF REPORT)