

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: P395488

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

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395488
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 (4500K)
Description: CORELITE I3, CLEAR TOP COVER
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: 6871.3 lumens
Efficiency: N/A
Efficacy: 105.9 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

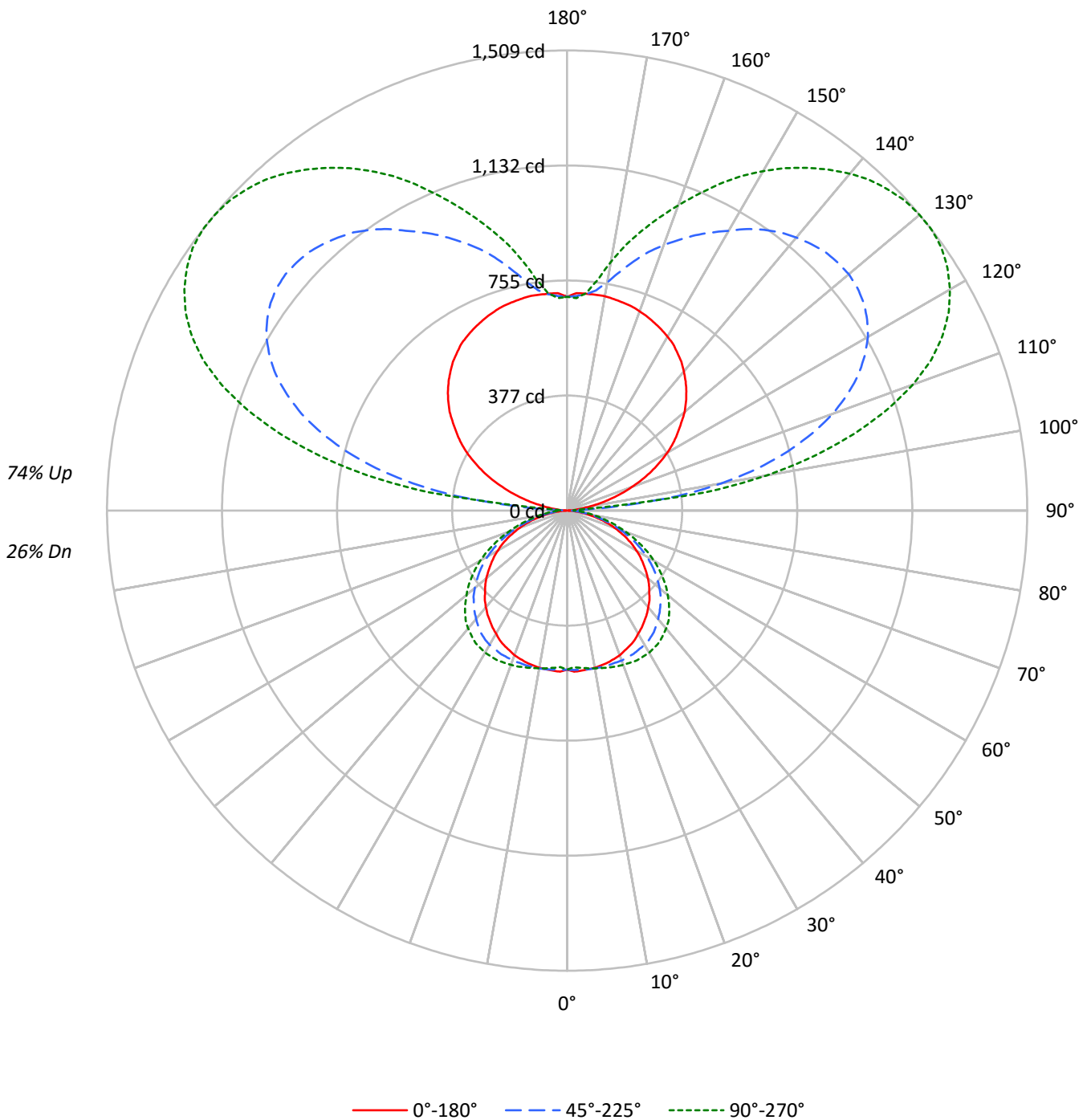
Input Watts (W): 64.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2866	2866	2866
5°	2897	2822	2775
10°	2899	2800	2768
15°	2903	2789	2782
20°	2908	2791	2807
25°	2903	2793	2844
30°	2887	2798	2864
35°	2879	2782	2867
40°	2869	2723	2830
45°	2840	2657	2760
50°	2814	2570	2636
55°	2756	2440	2485
60°	2689	2269	2294
65°	2578	2037	2033
70°	2394	1735	1721
75°	2067	1380	1383
80°	1604	981	1013
85°	942	606	679



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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.9	0.7
10°-20°	148.2	2.2
20°-30°	237.6	3.5
30°-40°	303.9	4.4
40°-50°	331.4	4.8
50°-60°	310.5	4.5
60°-70°	240.9	3.5
70°-80°	138.1	2.0
80°-90°	44.1	0.6
90°-100°	177.2	2.6
100°-110°	688.9	10.0
110°-120°	937.9	13.7
120°-130°	973.6	14.2
130°-140°	863.6	12.6
140°-150°	670.1	9.8
150°-160°	447.2	6.5
160°-170°	238.4	3.5
170°-180°	69.7	1.0
0°-30°	435.7	6.3
0°-40°	739.7	10.8
0°-60°	1381.6	20.1
0°-90°	1804.7	26.3
90°-120°	1804.1	26.3
90°-150°	4311.4	62.7
90°-180°	5067.0	73.7
0°-180°	6871.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	521	521	521	521	521	
5°	527	521	523	521	518	50
15°	516	514	525	532	532	146
25°	488	492	518	536	542	225
35°	442	451	492	518	527	277
45°	381	398	433	460	473	294
55°	305	322	351	375	383	273
65°	216	226	246	263	268	213
75°	113	118	129	142	146	120
85°	22	26	39	50	52	27
90°	2	6	13	18	22	3
95°	22	126	172	35	33	29
105°	146	442	749	889	974	156
115°	305	682	1054	1239	1359	301
125°	442	804	1187	1394	1500	395
135°	553	847	1198	1405	1488	426
145°	630	847	1124	1305	1372	395
155°	679	801	997	1130	1182	313
165°	706	736	847	926	950	200
175°	714	710	712	716	716	68
180°	701	701	701	701	701	



TEST NUMBER: P395488

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	521.4	521.4	521.4	521.4	521.4	521.4	521.4	521.4	521.4	521.4	521.4
2.5°	528.8	527.0	527.0	523.3	523.3	521.4	521.4	521.4	521.4	521.4	523.3
5°	527.0	527.0	525.1	523.3	523.3	521.4	521.4	521.4	521.4	521.4	523.3
7.5°	525.1	525.1	523.3	521.4	521.4	521.4	521.4	521.4	521.4	521.4	525.1
10°	523.3	523.3	521.4	519.6	519.6	519.6	519.6	521.4	521.4	521.4	525.1
12.5°	519.6	517.7	517.7	515.9	515.9	515.9	517.7	517.7	519.6	521.4	525.1
15°	515.9	515.9	514.0	512.2	514.0	514.0	514.0	515.9	517.7	519.6	525.1
17.5°	510.3	510.3	508.5	508.5	508.5	510.3	510.3	512.2	515.9	519.6	523.3
20°	504.8	502.9	502.9	502.9	504.8	504.8	506.6	510.3	512.2	517.7	523.3
22.5°	495.5	497.4	495.5	495.5	497.4	499.2	501.1	504.8	508.5	514.0	519.6
25°	488.1	488.1	488.1	488.1	491.8	491.8	495.5	499.2	504.8	510.3	517.7
27.5°	478.9	478.9	478.9	480.8	482.6	484.4	486.3	491.8	497.4	504.8	512.2
30°	466.0	466.0	466.0	466.0	471.5	473.4	477.1	484.4	490.0	499.2	508.5
32.5°	454.9	454.9	454.9	456.7	460.4	462.3	466.0	475.2	482.6	491.8	501.1
35°	441.9	441.9	443.8	443.8	449.3	451.2	454.9	462.3	469.7	480.8	491.8
37.5°	429.0	429.0	430.8	432.7	436.4	440.1	443.8	451.2	458.6	467.8	478.9
40°	414.2	414.2	416.0	417.9	423.4	427.1	430.8	438.2	445.6	454.9	464.1
42.5°	399.4	399.4	401.2	403.1	408.6	412.3	416.0	425.3	432.7	441.9	449.3
45°	380.9	382.8	384.6	388.3	393.8	397.5	401.2	408.6	417.9	425.3	432.7
47.5°	364.3	366.1	368.0	371.7	377.2	380.9	384.6	392.0	399.4	406.8	416.0
50°	345.8	347.6	349.5	353.2	358.7	362.4	366.1	373.5	380.9	386.4	395.7
52.5°	325.4	327.3	329.1	332.8	340.2	342.1	345.8	353.2	358.7	366.1	373.5
55°	305.1	306.9	308.8	312.5	318.0	321.7	323.6	331.0	336.5	343.9	351.3
57.5°	284.8	286.6	288.5	292.1	295.8	299.5	301.4	306.9	314.3	319.9	327.3
60°	262.6	264.4	266.3	268.1	273.7	275.5	277.4	282.9	288.5	295.8	301.4
62.5°	240.4	240.4	242.2	244.1	249.6	251.5	253.3	257.0	264.4	268.1	273.7
65°	216.3	216.3	218.2	220.0	223.7	225.6	227.4	231.1	236.7	240.4	245.9
67.5°	190.5	190.5	192.3	194.1	197.8	199.7	199.7	205.2	208.9	212.6	216.3
70°	166.4	166.4	168.3	168.3	170.1	172.0	173.8	177.5	179.4	184.9	186.8
72.5°	140.5	140.5	140.5	140.5	144.2	144.2	146.1	149.8	151.6	155.3	159.0
75°	112.8	112.8	114.6	114.6	116.5	118.3	120.2	122.0	125.7	127.6	129.4
77.5°	88.8	86.9	88.8	90.6	92.5	92.5	94.3	96.2	98.0	101.7	103.5
80°	62.9	62.9	62.9	64.7	66.6	66.6	68.4	70.3	72.1	75.8	77.7
82.5°	40.7	40.7	42.5	42.5	44.4	46.2	46.2	48.1	49.9	53.6	55.5
85°	22.2	22.2	22.2	24.0	25.9	25.9	27.7	29.6	33.3	35.1	38.8
87.5°	7.4	7.4	9.2	11.1	12.9	12.9	14.8	16.6	18.5	22.2	24.0
90°	1.8	1.8	1.8	3.7	3.7	5.5	5.5	7.4	9.2	11.1	12.9
92.5°	7.4	12.9	20.3	29.6	27.7	29.6	20.3	12.9	12.9	12.9	14.8
95°	22.2	33.3	53.6	85.1	110.9	125.7	138.7	151.6	177.5	179.4	172.0
97.5°	44.4	61.0	98.0	138.7	184.9	208.9	227.4	266.3	306.9	332.8	364.3
100°	74.0	98.0	146.1	201.5	255.2	286.6	316.2	371.7	421.6	466.0	514.0
102.5°	109.1	136.8	196.0	264.4	331.0	366.1	397.5	462.3	530.7	589.8	641.6
105°	146.1	177.5	247.8	325.4	401.2	441.9	480.8	551.0	623.1	687.8	748.9
107.5°	186.8	220.0	295.8	382.8	467.8	514.0	556.6	632.4	708.2	778.4	843.2
110°	225.6	262.6	342.1	436.4	532.5	578.8	621.3	704.5	784.0	858.0	926.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	266.3	305.1	384.6	488.1	586.1	634.2	678.6	767.4	850.6	926.4	994.8
115°	305.1	342.1	425.3	532.5	632.4	682.3	730.4	821.0	907.9	983.7	1054.0
117.5°	342.1	377.2	462.3	569.5	673.1	723.0	771.1	865.4	952.3	1031.8	1100.2
120°	379.1	410.5	502.9	600.9	706.3	756.3	806.2	900.5	989.2	1068.7	1139.0
122.5°	412.3	441.9	532.5	628.7	732.2	784.0	832.1	928.2	1018.8	1098.3	1166.7
125°	441.9	469.7	560.3	650.9	754.4	804.3	854.3	948.6	1039.2	1116.8	1187.1
127.5°	471.5	499.2	580.6	673.1	769.2	821.0	869.1	963.4	1052.1	1131.6	1200.0
130°	502.9	523.3	600.9	693.4	784.0	832.1	882.0	972.6	1059.5	1137.2	1205.6
132.5°	528.8	547.3	621.3	710.0	795.1	841.3	885.7	976.3	1063.2	1137.2	1203.7
135°	552.9	567.7	636.1	724.8	804.3	846.9	889.4	974.4	1059.5	1133.5	1198.2
137.5°	575.1	589.8	649.0	735.9	811.7	848.7	889.4	968.9	1050.3	1124.2	1185.2
140°	595.4	606.5	660.1	741.5	815.4	850.6	885.7	959.7	1035.5	1107.6	1168.6
142.5°	615.7	625.0	669.4	745.2	817.3	850.6	883.8	948.6	1018.8	1089.1	1150.1
145°	630.5	639.8	676.7	747.0	815.4	846.9	876.4	937.5	1000.3	1065.0	1124.2
147.5°	647.2	654.6	684.1	743.3	809.9	839.5	867.2	922.7	980.0	1039.2	1094.6
150°	658.3	665.7	687.8	739.6	800.6	828.4	856.1	907.9	959.7	1011.4	1059.5
152.5°	669.4	674.9	693.4	734.1	789.5	815.4	841.3	891.2	939.3	985.5	1028.1
155°	678.6	684.1	697.1	730.4	776.6	800.6	824.7	872.7	917.1	957.8	996.6
157.5°	687.8	691.5	700.8	724.8	761.8	784.0	806.2	848.7	889.4	930.1	961.5
160°	695.2	697.1	704.5	723.0	748.9	765.5	785.8	824.7	861.7	896.8	926.4
162.5°	702.6	702.6	708.2	719.3	737.8	748.9	763.7	796.9	830.2	861.7	889.4
165°	706.3	706.3	710.0	717.4	728.5	735.9	745.2	767.4	793.2	821.0	846.9
167.5°	710.0	710.0	711.9	715.6	723.0	726.7	730.4	745.2	761.8	782.1	802.5
170°	713.7	711.9	711.9	715.6	717.4	719.3	721.1	728.5	735.9	748.9	760.0
172.5°	713.7	711.9	711.9	713.7	713.7	713.7	713.7	715.6	717.4	724.8	728.5
175°	713.7	711.9	711.9	711.9	711.9	710.0	710.0	710.0	710.0	710.0	711.9
177.5°	713.7	711.9	710.0	710.0	708.2	708.2	706.3	706.3	704.5	704.5	704.5
180°	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	521.4	521.4	521.4	521.4	521.4	521.4	521.4	521.4	521.4	521.4
2.5°	523.3	523.3	521.4	521.4	519.6	519.6	517.7	515.9	514.0	514.0
5°	525.1	523.3	521.4	521.4	521.4	519.6	519.6	519.6	517.7	517.7
7.5°	525.1	525.1	525.1	523.3	523.3	523.3	523.3	523.3	521.4	521.4
10°	527.0	527.0	527.0	527.0	527.0	527.0	527.0	525.1	525.1	525.1
12.5°	527.0	527.0	527.0	528.8	528.8	528.8	528.8	528.8	528.8	528.8
15°	528.8	528.8	530.7	530.7	532.5	532.5	534.4	534.4	534.4	532.5
17.5°	527.0	528.8	530.7	532.5	534.4	534.4	536.2	536.2	536.2	536.2
20°	527.0	530.7	532.5	534.4	536.2	536.2	538.1	539.9	539.9	538.1
22.5°	525.1	528.8	530.7	534.4	536.2	536.2	539.9	539.9	539.9	539.9
25°	523.3	527.0	530.7	534.4	536.2	536.2	539.9	539.9	541.8	541.8
27.5°	519.6	523.3	528.8	532.5	534.4	536.2	538.1	539.9	539.9	539.9
30°	514.0	519.6	525.1	528.8	530.7	532.5	534.4	536.2	538.1	538.1
32.5°	506.6	512.2	517.7	523.3	525.1	527.0	530.7	532.5	532.5	532.5
35°	499.2	504.8	510.3	515.9	517.7	519.6	523.3	525.1	527.0	527.0
37.5°	488.1	493.7	499.2	504.8	506.6	510.3	514.0	515.9	515.9	515.9
40°	471.5	480.8	488.1	493.7	495.5	499.2	501.1	504.8	504.8	504.8
42.5°	456.7	464.1	469.7	477.1	478.9	484.4	488.1	490.0	491.8	491.8
45°	440.1	447.5	453.0	458.6	460.4	464.1	467.8	469.7	471.5	473.4
47.5°	423.4	429.0	434.5	440.1	441.9	445.6	449.3	451.2	453.0	453.0
50°	403.1	408.6	414.2	419.7	421.6	425.3	427.1	429.0	430.8	430.8
52.5°	380.9	386.4	392.0	397.5	399.4	401.2	404.9	406.8	408.6	408.6
55°	358.7	364.3	368.0	373.5	375.4	377.2	379.1	382.8	384.6	382.8
57.5°	332.8	338.4	342.1	347.6	349.5	351.3	353.2	355.0	356.9	356.9
60°	305.1	310.6	316.2	319.9	321.7	323.6	325.4	327.3	329.1	329.1
62.5°	277.4	282.9	286.6	292.1	294.0	294.0	295.8	297.7	299.5	299.5
65°	249.6	255.2	257.0	262.6	262.6	264.4	266.3	268.1	268.1	268.1
67.5°	220.0	225.6	227.4	231.1	231.1	233.0	234.8	236.7	236.7	236.7
70°	192.3	194.1	197.8	199.7	201.5	201.5	203.4	205.2	207.1	205.2
72.5°	162.7	164.6	168.3	170.1	170.1	172.0	172.0	173.8	175.7	175.7
75°	133.1	136.8	138.7	140.5	142.4	142.4	144.2	146.1	146.1	146.1
77.5°	105.4	109.1	110.9	112.8	114.6	114.6	116.5	116.5	118.3	116.5
80°	81.4	83.2	85.1	86.9	88.8	88.8	90.6	92.5	92.5	92.5
82.5°	59.2	61.0	64.7	66.6	66.6	66.6	70.3	70.3	72.1	70.3
85°	40.7	42.5	46.2	48.1	49.9	49.9	49.9	51.8	53.6	51.8
87.5°	25.9	29.6	31.4	33.3	33.3	33.3	35.1	37.0	37.0	37.0
90°	14.8	14.8	16.6	18.5	18.5	20.3	20.3	22.2	22.2	22.2
92.5°	14.8	16.6	16.6	16.6	18.5	18.5	18.5	20.3	20.3	20.3
95°	125.7	90.6	51.8	40.7	35.1	35.1	33.3	35.1	33.3	33.3
97.5°	380.9	412.3	427.1	447.5	458.6	456.7	449.3	456.7	451.2	456.7
100°	541.8	571.4	593.5	599.1	610.2	615.7	636.1	650.9	658.3	667.5
102.5°	673.1	708.2	734.1	748.9	760.0	767.4	791.4	813.6	824.7	832.1
105°	793.2	830.2	861.7	876.4	889.4	896.8	922.7	948.6	965.2	974.4
107.5°	889.4	931.9	965.2	987.4	1000.3	1013.3	1044.7	1070.6	1090.9	1100.2
110°	976.3	1018.8	1054.0	1079.8	1094.6	1107.6	1142.7	1172.3	1194.5	1205.6



TEST NUMBER: P395488

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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1048.4	1094.6	1129.8	1157.5	1172.3	1190.8	1224.1	1257.3	1279.5	1292.5
115°	1107.6	1155.7	1192.6	1222.2	1238.9	1255.5	1294.3	1327.6	1349.8	1359.0
117.5°	1157.5	1205.6	1244.4	1274.0	1292.5	1311.0	1349.8	1379.4	1403.4	1410.8
120°	1198.2	1246.3	1285.1	1318.4	1336.9	1353.5	1390.5	1421.9	1444.1	1449.6
122.5°	1225.9	1275.8	1316.5	1353.5	1370.1	1386.8	1421.9	1453.3	1473.7	1479.2
125°	1246.3	1298.0	1338.7	1377.5	1394.2	1410.8	1444.1	1475.5	1492.2	1499.6
127.5°	1259.2	1311.0	1355.3	1392.3	1410.8	1425.6	1458.9	1486.6	1503.3	1508.8
130°	1262.9	1316.5	1360.9	1399.7	1416.4	1431.2	1462.6	1490.3	1505.1	1508.8
132.5°	1262.9	1314.7	1360.9	1397.9	1414.5	1429.3	1458.9	1484.8	1499.6	1503.3
135°	1255.5	1305.4	1351.7	1388.6	1405.3	1420.1	1449.6	1471.8	1486.6	1488.5
137.5°	1242.6	1290.6	1335.0	1372.0	1388.6	1403.4	1429.3	1453.3	1466.3	1470.0
140°	1225.9	1270.3	1314.7	1349.8	1366.4	1379.4	1405.3	1425.6	1438.6	1442.3
142.5°	1203.7	1248.1	1288.8	1323.9	1336.9	1351.7	1373.8	1394.2	1405.3	1409.0
145°	1179.7	1222.2	1259.2	1290.6	1305.4	1318.4	1338.7	1357.2	1368.3	1372.0
147.5°	1148.3	1190.8	1225.9	1255.5	1268.4	1281.4	1299.9	1316.5	1327.6	1331.3
150°	1109.4	1148.3	1185.2	1213.0	1225.9	1238.9	1257.3	1272.1	1283.2	1285.1
152.5°	1070.6	1107.6	1139.0	1166.7	1179.7	1192.6	1209.3	1224.1	1237.0	1237.0
155°	1033.6	1065.0	1094.6	1118.7	1129.8	1140.9	1157.5	1170.4	1181.5	1181.5
157.5°	994.8	1024.4	1048.4	1070.6	1079.8	1089.1	1103.9	1115.0	1124.2	1122.4
160°	957.8	980.0	1002.2	1020.7	1029.9	1037.3	1048.4	1057.7	1066.9	1065.0
162.5°	917.1	937.5	956.0	968.9	976.3	981.8	992.9	1002.2	1007.7	1007.7
165°	870.9	889.4	906.0	919.0	926.4	930.1	939.3	944.9	950.4	950.4
167.5°	822.8	837.6	852.4	863.5	870.9	874.6	883.8	887.5	894.9	893.1
170°	774.7	785.8	796.9	806.2	809.9	813.6	821.0	824.7	828.4	828.4
172.5°	735.9	739.6	745.2	752.6	752.6	754.4	758.1	760.0	761.8	761.8
175°	713.7	715.6	715.6	715.6	715.6	715.6	717.4	715.6	717.4	715.6
177.5°	704.5	704.5	702.6	702.6	700.8	702.6	700.8	698.9	698.9	697.1
180°	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8

(END OF REPORT)