

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: P395482

Luminaire Tested: **I3-CL-80L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395482  
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-80L92765-1D-UNV-W2A-W-4 (5000K)  
Description: CORELITE I3, CLEAR TOP COVER  
8000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6797.8 lumens  
Efficiency: N/A  
Efficacy: 106.7 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

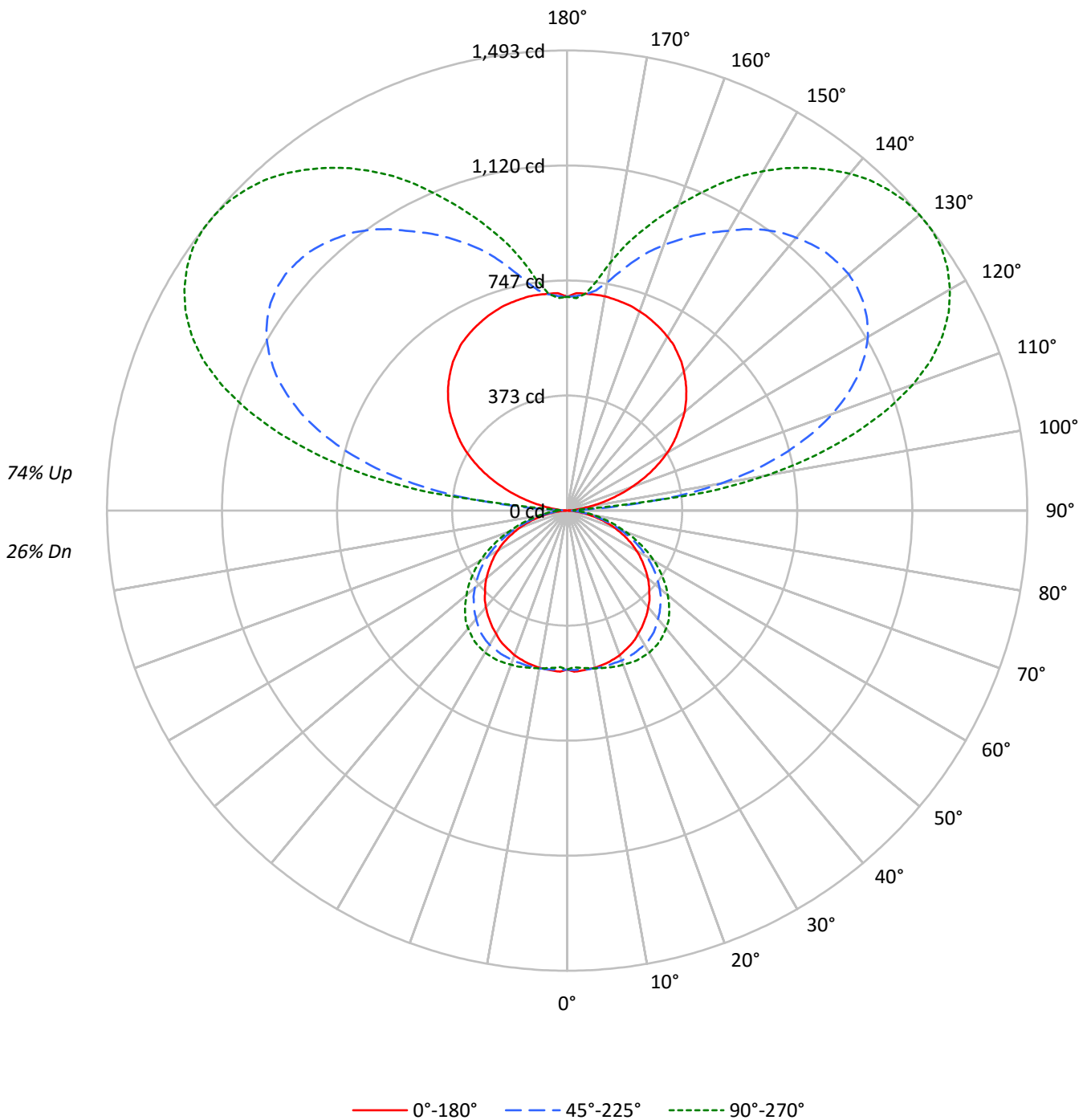
Input Watts (W): 63.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2835	2835	2835
5°	2866	2791	2746
10°	2868	2770	2739
15°	2872	2760	2752
20°	2877	2761	2777
25°	2872	2764	2813
30°	2856	2768	2833
35°	2849	2753	2836
40°	2839	2693	2800
45°	2809	2628	2730
50°	2784	2542	2608
55°	2726	2414	2459
60°	2660	2245	2269
65°	2550	2015	2011
70°	2368	1716	1703
75°	2045	1365	1368
80°	1586	970	1002
85°	933	600	671



TEST NUMBER: P395482

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.4	0.7
10°-20°	146.6	2.2
20°-30°	235.1	3.5
30°-40°	300.7	4.4
40°-50°	327.8	4.8
50°-60°	307.2	4.5
60°-70°	238.3	3.5
70°-80°	136.6	2.0
80°-90°	43.7	0.6
90°-100°	175.3	2.6
100°-110°	681.5	10.0
110°-120°	927.9	13.6
120°-130°	963.2	14.2
130°-140°	854.4	12.6
140°-150°	662.9	9.8
150°-160°	442.4	6.5
160°-170°	235.8	3.5
170°-180°	69.0	1.0
0°-30°	431.1	6.3
0°-40°	731.8	10.8
0°-60°	1366.8	20.1
0°-90°	1785.4	26.3
90°-120°	1784.7	26.3
90°-150°	4265.2	62.7
90°-180°	5012.0	73.7
0°-180°	6797.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	516	516	516	516	516	
5°	521	516	518	516	512	50
15°	510	508	520	527	527	144
25°	483	487	512	530	536	223
35°	437	446	487	512	521	274
45°	377	393	428	456	468	291
55°	302	318	348	371	379	270
65°	214	223	243	260	265	211
75°	112	117	128	141	144	119
85°	22	26	38	49	51	26
90°	2	6	13	18	22	2
95°	22	124	170	35	33	29
105°	144	437	741	880	964	154
115°	302	675	1043	1226	1344	298
125°	437	796	1174	1379	1484	391
135°	547	838	1185	1390	1472	422
145°	624	838	1112	1291	1357	391
155°	671	792	986	1118	1169	310
165°	699	728	838	916	940	198
175°	706	702	704	708	708	67
180°	693	693	693	693	693	



TEST NUMBER: P395482

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	515.8	515.8	515.8	515.8	515.8	515.8	515.8	515.8	515.8	515.8	515.8
2.5°	523.2	521.3	521.3	517.7	517.7	515.8	515.8	515.8	515.8	515.8	517.7
5°	521.3	521.3	519.5	517.7	517.7	515.8	515.8	515.8	515.8	515.8	517.7
7.5°	519.5	519.5	517.7	515.8	515.8	515.8	515.8	515.8	515.8	515.8	519.5
10°	517.7	517.7	515.8	514.0	514.0	514.0	514.0	515.8	515.8	515.8	519.5
12.5°	514.0	512.2	512.2	510.4	510.4	510.4	512.2	512.2	514.0	515.8	519.5
15°	510.4	510.4	508.5	506.7	508.5	508.5	508.5	510.4	512.2	514.0	519.5
17.5°	504.9	504.9	503.0	503.0	503.0	504.9	504.9	506.7	510.4	514.0	517.7
20°	499.4	497.6	497.6	497.6	499.4	499.4	501.2	504.9	506.7	512.2	517.7
22.5°	490.2	492.1	490.2	490.2	492.1	493.9	495.7	499.4	503.0	508.5	514.0
25°	482.9	482.9	482.9	482.9	486.6	486.6	490.2	493.9	499.4	504.9	512.2
27.5°	473.8	473.8	473.8	475.6	477.4	479.3	481.1	486.6	492.1	499.4	506.7
30°	461.0	461.0	461.0	461.0	466.5	468.3	471.9	479.3	484.8	493.9	503.0
32.5°	450.0	450.0	450.0	451.8	455.5	457.3	461.0	470.1	477.4	486.6	495.7
35°	437.2	437.2	439.0	439.0	444.5	446.3	450.0	457.3	464.6	475.6	486.6
37.5°	424.4	424.4	426.2	428.0	431.7	435.4	439.0	446.3	453.7	462.8	473.8
40°	409.8	409.8	411.6	413.4	418.9	422.6	426.2	433.5	440.8	450.0	459.1
42.5°	395.1	395.1	396.9	398.8	404.3	407.9	411.6	420.7	428.0	437.2	444.5
45°	376.8	378.7	380.5	384.1	389.6	393.3	396.9	404.3	413.4	420.7	428.0
47.5°	360.4	362.2	364.0	367.7	373.2	376.8	380.5	387.8	395.1	402.4	411.6
50°	342.1	343.9	345.7	349.4	354.9	358.5	362.2	369.5	376.8	382.3	391.5
52.5°	321.9	323.8	325.6	329.3	336.6	338.4	342.1	349.4	354.9	362.2	369.5
55°	301.8	303.7	305.5	309.1	314.6	318.3	320.1	327.4	332.9	340.2	347.6
57.5°	281.7	283.5	285.4	289.0	292.7	296.3	298.2	303.7	311.0	316.5	323.8
60°	259.8	261.6	263.4	265.2	270.7	272.6	274.4	279.9	285.4	292.7	298.2
62.5°	237.8	237.8	239.6	241.5	246.9	248.8	250.6	254.3	261.6	265.2	270.7
65°	214.0	214.0	215.9	217.7	221.3	223.2	225.0	228.7	234.1	237.8	243.3
67.5°	188.4	188.4	190.2	192.1	195.7	197.6	197.6	203.0	206.7	210.4	214.0
70°	164.6	164.6	166.5	166.5	168.3	170.1	171.9	175.6	177.4	182.9	184.8
72.5°	139.0	139.0	139.0	139.0	142.7	142.7	144.5	148.2	150.0	153.7	157.3
75°	111.6	111.6	113.4	113.4	115.2	117.1	118.9	120.7	124.4	126.2	128.0
77.5°	87.8	86.0	87.8	89.6	91.5	91.5	93.3	95.1	97.0	100.6	102.4
80°	62.2	62.2	62.2	64.0	65.9	65.9	67.7	69.5	71.3	75.0	76.8
82.5°	40.2	40.2	42.1	42.1	43.9	45.7	45.7	47.6	49.4	53.0	54.9
85°	22.0	22.0	22.0	23.8	25.6	25.6	27.4	29.3	32.9	34.8	38.4
87.5°	7.3	7.3	9.1	11.0	12.8	12.8	14.6	16.5	18.3	22.0	23.8
90°	1.8	1.8	1.8	3.7	3.7	5.5	5.5	7.3	9.1	11.0	12.8
92.5°	7.3	12.8	20.1	29.3	27.4	29.3	20.1	12.8	12.8	12.8	14.6
95°	22.0	32.9	53.0	84.1	109.8	124.4	137.2	150.0	175.6	177.4	170.1
97.5°	43.9	60.4	97.0	137.2	182.9	206.7	225.0	263.4	303.7	329.3	360.4
100°	73.2	97.0	144.5	199.4	252.4	283.5	312.8	367.7	417.1	461.0	508.5
102.5°	107.9	135.4	193.9	261.6	327.4	362.2	393.3	457.3	525.0	583.5	634.7
105°	144.5	175.6	245.1	321.9	396.9	437.2	475.6	545.1	616.5	680.5	740.8
107.5°	184.8	217.7	292.7	378.7	462.8	508.5	550.6	625.6	700.6	770.1	834.1
110°	223.2	259.8	338.4	431.7	526.8	572.6	614.6	696.9	775.6	848.8	916.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	263.4	301.8	380.5	482.9	579.9	627.4	671.3	759.1	841.5	916.5	984.1
115°	301.8	338.4	420.7	526.8	625.6	675.0	722.6	812.2	898.2	973.2	1042.7
117.5°	338.4	373.2	457.3	563.4	665.8	715.2	762.8	856.1	942.1	1020.7	1088.4
120°	375.0	406.1	497.6	594.5	698.8	748.2	797.6	890.8	978.6	1057.3	1126.8
122.5°	407.9	437.2	526.8	621.9	724.4	775.6	823.2	918.3	1007.9	1086.6	1154.3
125°	437.2	464.6	554.3	643.9	746.3	795.7	845.1	938.4	1028.0	1104.9	1174.4
127.5°	466.5	493.9	574.4	665.8	761.0	812.2	859.7	953.0	1040.8	1119.5	1187.2
130°	497.6	517.7	594.5	686.0	775.6	823.2	872.6	962.2	1048.2	1125.0	1192.7
132.5°	523.2	541.5	614.6	702.4	786.6	832.3	876.2	965.8	1051.8	1125.0	1190.8
135°	546.9	561.6	629.3	717.1	795.7	837.8	879.9	964.0	1048.2	1121.3	1185.4
137.5°	568.9	583.5	642.1	728.0	803.0	839.6	879.9	958.5	1039.0	1112.2	1172.5
140°	589.0	600.0	653.0	733.5	806.7	841.5	876.2	949.4	1024.4	1095.7	1156.1
142.5°	609.1	618.3	662.2	737.2	808.5	841.5	874.4	938.4	1007.9	1077.4	1137.8
145°	623.8	632.9	669.5	739.0	806.7	837.8	867.1	927.4	989.6	1053.6	1112.2
147.5°	640.2	647.6	676.8	735.4	801.2	830.5	857.9	912.8	969.5	1028.0	1082.9
150°	651.2	658.5	680.5	731.7	792.1	819.5	846.9	898.2	949.4	1000.6	1048.2
152.5°	662.2	667.7	686.0	726.2	781.1	806.7	832.3	881.7	929.3	975.0	1017.1
155°	671.3	676.8	689.6	722.6	768.3	792.1	815.8	863.4	907.3	947.5	986.0
157.5°	680.5	684.1	693.3	717.1	753.6	775.6	797.6	839.6	879.9	920.1	951.2
160°	687.8	689.6	696.9	715.2	740.8	757.3	777.4	815.8	852.4	887.2	916.5
162.5°	695.1	695.1	700.6	711.6	729.9	740.8	755.5	788.4	821.3	852.4	879.9
165°	698.8	698.8	702.4	709.7	720.7	728.0	737.2	759.1	784.7	812.2	837.8
167.5°	702.4	702.4	704.3	707.9	715.2	718.9	722.6	737.2	753.6	773.8	793.9
170°	706.1	704.3	704.3	707.9	709.7	711.6	713.4	720.7	728.0	740.8	751.8
172.5°	706.1	704.3	704.3	706.1	706.1	706.1	706.1	707.9	709.7	717.1	720.7
175°	706.1	704.3	704.3	704.3	704.3	702.4	702.4	702.4	702.4	702.4	704.3
177.5°	706.1	704.3	702.4	702.4	700.6	700.6	698.8	698.8	696.9	696.9	696.9
180°	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	515.8	515.8	515.8	515.8	515.8	515.8	515.8	515.8	515.8	515.8
2.5°	517.7	517.7	515.8	515.8	514.0	514.0	512.2	510.4	508.5	508.5
5°	519.5	517.7	515.8	515.8	515.8	514.0	514.0	514.0	512.2	512.2
7.5°	519.5	519.5	519.5	517.7	517.7	517.7	517.7	517.7	515.8	515.8
10°	521.3	521.3	521.3	521.3	521.3	521.3	521.3	519.5	519.5	519.5
12.5°	521.3	521.3	521.3	523.2	523.2	523.2	523.2	523.2	523.2	523.2
15°	523.2	523.2	525.0	525.0	526.8	526.8	528.7	528.7	528.7	526.8
17.5°	521.3	523.2	525.0	526.8	528.7	528.7	530.5	530.5	530.5	530.5
20°	521.3	525.0	526.8	528.7	530.5	530.5	532.3	534.1	534.1	532.3
22.5°	519.5	523.2	525.0	528.7	530.5	530.5	534.1	534.1	534.1	534.1
25°	517.7	521.3	525.0	528.7	530.5	530.5	534.1	534.1	536.0	536.0
27.5°	514.0	517.7	523.2	526.8	528.7	530.5	532.3	534.1	534.1	534.1
30°	508.5	514.0	519.5	523.2	525.0	526.8	528.7	530.5	532.3	532.3
32.5°	501.2	506.7	512.2	517.7	519.5	521.3	525.0	526.8	526.8	526.8
35°	493.9	499.4	504.9	510.4	512.2	514.0	517.7	519.5	521.3	521.3
37.5°	482.9	488.4	493.9	499.4	501.2	504.9	508.5	510.4	510.4	510.4
40°	466.5	475.6	482.9	488.4	490.2	493.9	495.7	499.4	499.4	499.4
42.5°	451.8	459.1	464.6	471.9	473.8	479.3	482.9	484.8	486.6	486.6
45°	435.4	442.7	448.2	453.7	455.5	459.1	462.8	464.6	466.5	468.3
47.5°	418.9	424.4	429.9	435.4	437.2	440.8	444.5	446.3	448.2	448.2
50°	398.8	404.3	409.8	415.2	417.1	420.7	422.6	424.4	426.2	426.2
52.5°	376.8	382.3	387.8	393.3	395.1	396.9	400.6	402.4	404.3	404.3
55°	354.9	360.4	364.0	369.5	371.3	373.2	375.0	378.7	380.5	378.7
57.5°	329.3	334.8	338.4	343.9	345.7	347.6	349.4	351.2	353.0	353.0
60°	301.8	307.3	312.8	316.5	318.3	320.1	321.9	323.8	325.6	325.6
62.5°	274.4	279.9	283.5	289.0	290.9	290.9	292.7	294.5	296.3	296.3
65°	246.9	252.4	254.3	259.8	259.8	261.6	263.4	265.2	265.2	265.2
67.5°	217.7	223.2	225.0	228.7	228.7	230.5	232.3	234.1	234.1	234.1
70°	190.2	192.1	195.7	197.6	199.4	199.4	201.2	203.0	204.9	203.0
72.5°	161.0	162.8	166.5	168.3	168.3	170.1	170.1	171.9	173.8	173.8
75°	131.7	135.4	137.2	139.0	140.9	140.9	142.7	144.5	144.5	144.5
77.5°	104.3	107.9	109.8	111.6	113.4	113.4	115.2	115.2	117.1	115.2
80°	80.5	82.3	84.1	86.0	87.8	87.8	89.6	91.5	91.5	91.5
82.5°	58.5	60.4	64.0	65.9	65.9	65.9	69.5	69.5	71.3	69.5
85°	40.2	42.1	45.7	47.6	49.4	49.4	49.4	51.2	53.0	51.2
87.5°	25.6	29.3	31.1	32.9	32.9	32.9	34.8	36.6	36.6	36.6
90°	14.6	14.6	16.5	18.3	18.3	20.1	20.1	22.0	22.0	22.0
92.5°	14.6	16.5	16.5	16.5	18.3	18.3	18.3	20.1	20.1	20.1
95°	124.4	89.6	51.2	40.2	34.8	34.8	32.9	34.8	32.9	32.9
97.5°	376.8	407.9	422.6	442.7	453.7	451.8	444.5	451.8	446.3	451.8
100°	536.0	565.2	587.2	592.7	603.7	609.1	629.3	643.9	651.2	660.4
102.5°	665.8	700.6	726.2	740.8	751.8	759.1	782.9	804.9	815.8	823.2
105°	784.7	821.3	852.4	867.1	879.9	887.2	912.8	938.4	954.9	964.0
107.5°	879.9	921.9	954.9	976.8	989.6	1002.4	1033.5	1059.1	1079.3	1088.4
110°	965.8	1007.9	1042.7	1068.3	1082.9	1095.7	1130.5	1159.7	1181.7	1192.7





TEST NUMBER: P395482

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1037.2	1082.9	1117.7	1145.1	1159.7	1178.0	1211.0	1243.9	1265.8	1278.6
115°	1095.7	1143.3	1179.9	1209.1	1225.6	1242.1	1280.5	1313.4	1335.3	1344.5
117.5°	1145.1	1192.7	1231.1	1260.4	1278.6	1296.9	1335.3	1364.6	1388.4	1395.7
120°	1185.4	1232.9	1271.3	1304.3	1322.5	1339.0	1375.6	1406.7	1428.6	1434.1
122.5°	1212.8	1262.2	1302.4	1339.0	1355.5	1371.9	1406.7	1437.8	1457.9	1463.4
125°	1232.9	1284.1	1324.4	1362.8	1379.3	1395.7	1428.6	1459.7	1476.2	1483.5
127.5°	1245.7	1296.9	1340.8	1377.4	1395.7	1410.3	1443.3	1470.7	1487.2	1492.7
130°	1249.4	1302.4	1346.3	1384.7	1401.2	1415.8	1446.9	1474.4	1489.0	1492.7
132.5°	1249.4	1300.6	1346.3	1382.9	1399.4	1414.0	1443.3	1468.9	1483.5	1487.2
135°	1242.1	1291.4	1337.2	1373.8	1390.2	1404.9	1434.1	1456.1	1470.7	1472.5
137.5°	1229.3	1276.8	1320.7	1357.3	1373.8	1388.4	1414.0	1437.8	1450.6	1454.3
140°	1212.8	1256.7	1300.6	1335.3	1351.8	1364.6	1390.2	1410.3	1423.2	1426.8
142.5°	1190.8	1234.7	1275.0	1309.7	1322.5	1337.2	1359.1	1379.3	1390.2	1393.9
145°	1167.1	1209.1	1245.7	1276.8	1291.4	1304.3	1324.4	1342.7	1353.6	1357.3
147.5°	1136.0	1178.0	1212.8	1242.1	1254.9	1267.7	1286.0	1302.4	1313.4	1317.1
150°	1097.5	1136.0	1172.5	1200.0	1212.8	1225.6	1243.9	1258.5	1269.5	1271.3
152.5°	1059.1	1095.7	1126.8	1154.3	1167.1	1179.9	1196.3	1211.0	1223.8	1223.8
155°	1022.5	1053.6	1082.9	1106.7	1117.7	1128.6	1145.1	1157.9	1168.9	1168.9
157.5°	984.1	1013.4	1037.2	1059.1	1068.3	1077.4	1092.1	1103.0	1112.2	1110.4
160°	947.5	969.5	991.5	1009.7	1018.9	1026.2	1037.2	1046.3	1055.5	1053.6
162.5°	907.3	927.4	945.7	958.5	965.8	971.3	982.3	991.5	996.9	996.9
165°	861.6	879.9	896.3	909.1	916.5	920.1	929.3	934.7	940.2	940.2
167.5°	814.0	828.6	843.3	854.3	861.6	865.2	874.4	878.0	885.4	883.5
170°	766.5	777.4	788.4	797.6	801.2	804.9	812.2	815.8	819.5	819.5
172.5°	728.0	731.7	737.2	744.5	744.5	746.3	750.0	751.8	753.6	753.6
175°	706.1	707.9	707.9	707.9	707.9	707.9	709.7	707.9	709.7	707.9
177.5°	696.9	696.9	695.1	695.1	693.3	695.1	693.3	691.5	691.5	689.6
180°	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3

(END OF REPORT)