

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: P395483

Luminaire Tested: **I3-CL-80L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395483  
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 (5700K)  
Description: CORELITE I3, CLEAR TOP COVER  
8000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6937.6 lumens  
Efficiency: N/A  
Efficacy: 108.1 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

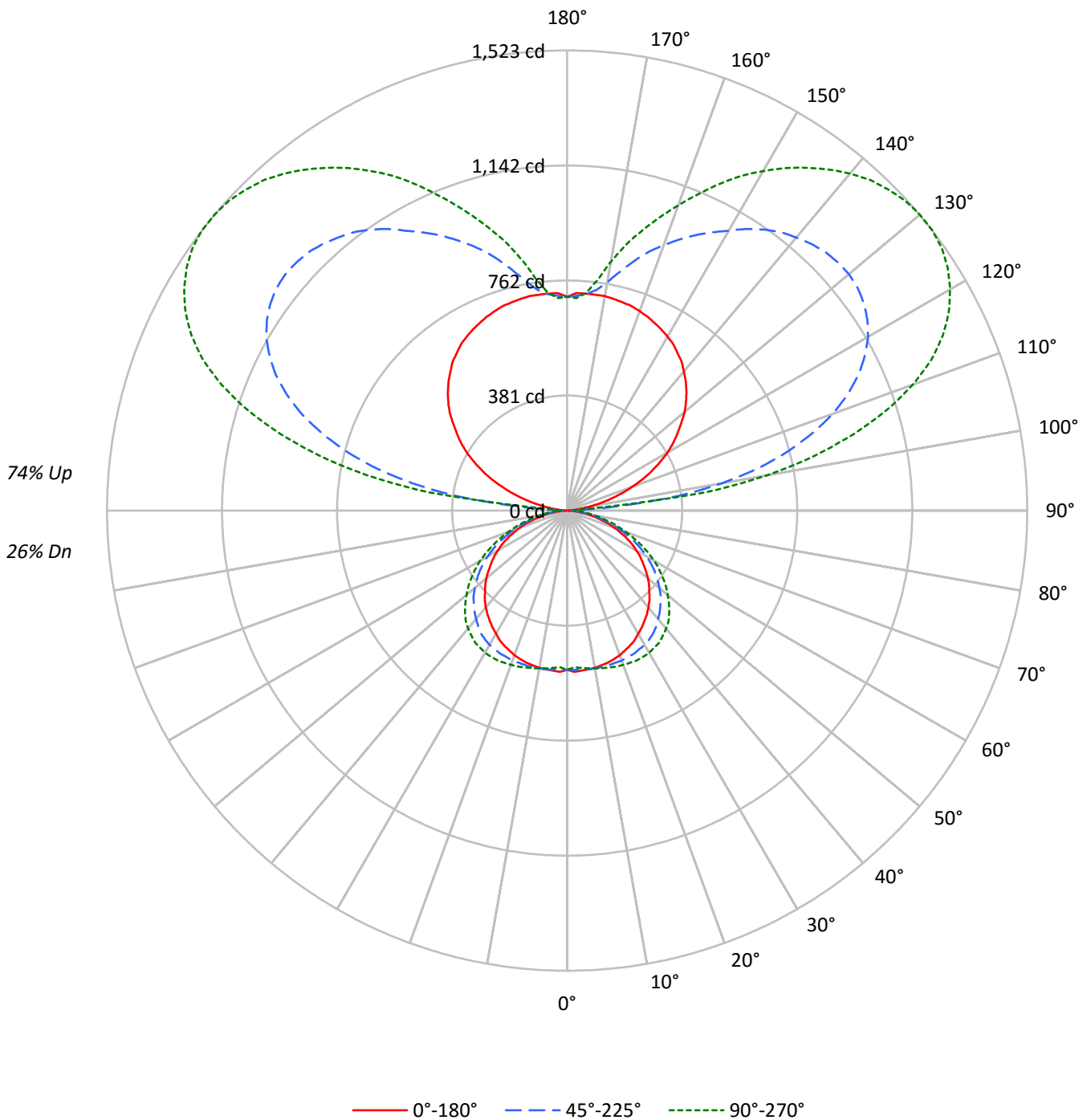
Input Watts (W): 64.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34
1	92	88	84	81	82	79	75	73	61	59	57	45	43	42	30	29	28
2	84	77	71	65	74	68	63	59	53	50	47	39	37	35	26	25	24
3	76	67	60	54	68	60	54	49	47	42	39	34	32	29	23	21	20
4	70	59	51	45	62	53	46	41	41	37	33	30	27	25	20	18	17
5	64	52	44	39	56	47	40	35	37	32	28	27	24	21	18	16	15
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13
7	54	42	34	29	48	38	31	26	30	25	21	22	19	16	15	13	11
8	50	38	30	25	44	34	27	23	27	22	18	20	17	14	14	11	10
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9
10	43	31	24	20	38	28	22	18	22	18	15	17	13	11	11	9	8

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

	0°	45°	90°
0°	2894	2894	2894
5°	2925	2849	2802
10°	2927	2827	2795
15°	2931	2816	2809
20°	2936	2818	2834
25°	2931	2820	2871
30°	2914	2825	2892
35°	2907	2809	2895
40°	2897	2749	2858
45°	2868	2682	2786
50°	2841	2594	2662
55°	2782	2464	2509
60°	2714	2291	2316
65°	2603	2057	2053
70°	2417	1752	1738
75°	2087	1393	1396
80°	1619	990	1022
85°	950	612	686



TEST NUMBER: P395483

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (5700K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.4	0.7
10°-20°	149.7	2.2
20°-30°	239.9	3.5
30°-40°	306.9	4.4
40°-50°	334.6	4.8
50°-60°	313.5	4.5
60°-70°	243.2	3.5
70°-80°	139.4	2.0
80°-90°	44.6	0.6
90°-100°	178.9	2.6
100°-110°	695.6	10.0
110°-120°	947.0	13.6
120°-130°	983.0	14.2
130°-140°	871.9	12.6
140°-150°	676.5	9.8
150°-160°	451.5	6.5
160°-170°	240.6	3.5
170°-180°	70.4	1.0
0°-30°	440.0	6.3
0°-40°	746.8	10.8
0°-60°	1394.9	20.1
0°-90°	1822.1	26.3
90°-120°	1821.4	26.3
90°-150°	4352.9	62.7
90°-180°	5115.0	73.7
0°-180°	6937.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	526	526	526	526	526	
5°	532	526	528	526	523	51
15°	521	519	530	538	538	147
25°	493	497	523	541	547	227
35°	446	456	497	523	532	279
45°	385	401	437	465	478	297
55°	308	325	355	379	386	275
65°	218	228	248	265	271	215
75°	114	120	131	144	148	122
85°	22	26	39	50	52	27
90°	2	6	13	19	22	3
95°	22	127	174	36	34	29
105°	148	446	756	898	984	157
115°	308	689	1064	1251	1372	304
125°	446	812	1198	1408	1514	399
135°	558	855	1210	1419	1503	430
145°	637	855	1135	1318	1385	399
155°	685	808	1006	1141	1193	316
165°	713	743	855	935	960	202
175°	721	717	719	722	722	69
180°	708	708	708	708	708	



TEST NUMBER: P395483

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (5700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	526.5	526.5	526.5	526.5	526.5	526.5	526.5	526.5	526.5	526.5	526.5
2.5°	533.9	532.1	532.1	528.3	528.3	526.5	526.5	526.5	526.5	526.5	528.3
5°	532.1	532.1	530.2	528.3	528.3	526.5	526.5	526.5	526.5	526.5	528.3
7.5°	530.2	530.2	528.3	526.5	526.5	526.5	526.5	526.5	526.5	526.5	530.2
10°	528.3	528.3	526.5	524.6	524.6	524.6	524.6	526.5	526.5	526.5	530.2
12.5°	524.6	522.7	522.7	520.9	520.9	520.9	522.7	522.7	524.6	526.5	530.2
15°	520.9	520.9	519.0	517.1	519.0	519.0	519.0	520.9	522.7	524.6	530.2
17.5°	515.3	515.3	513.4	513.4	513.4	515.3	515.3	517.1	520.9	524.6	528.3
20°	509.7	507.8	507.8	507.8	509.7	509.7	511.5	515.3	517.1	522.7	528.3
22.5°	500.3	502.2	500.3	500.3	502.2	504.1	505.9	509.7	513.4	519.0	524.6
25°	492.9	492.9	492.9	492.9	496.6	496.6	500.3	504.1	509.7	515.3	522.7
27.5°	483.5	483.5	483.5	485.4	487.3	489.1	491.0	496.6	502.2	509.7	517.1
30°	470.4	470.4	470.4	470.4	476.0	477.9	481.6	489.1	494.7	504.1	513.4
32.5°	459.2	459.2	459.2	461.1	464.8	466.7	470.4	479.8	487.3	496.6	505.9
35°	446.2	446.2	448.0	448.0	453.6	455.5	459.2	466.7	474.2	485.4	496.6
37.5°	433.1	433.1	435.0	436.8	440.6	444.3	448.0	455.5	463.0	472.3	483.5
40°	418.2	418.2	420.0	421.9	427.5	431.2	435.0	442.4	449.9	459.2	468.6
42.5°	403.2	403.2	405.1	407.0	412.6	416.3	420.0	429.4	436.8	446.2	453.6
45°	384.6	386.4	388.3	392.0	397.6	401.4	405.1	412.6	421.9	429.4	436.8
47.5°	367.8	369.6	371.5	375.2	380.8	384.6	388.3	395.8	403.2	410.7	420.0
50°	349.1	351.0	352.8	356.6	362.2	365.9	369.6	377.1	384.6	390.2	399.5
52.5°	328.6	330.4	332.3	336.0	343.5	345.4	349.1	356.6	362.2	369.6	377.1
55°	308.0	309.9	311.8	315.5	321.1	324.8	326.7	334.2	339.8	347.2	354.7
57.5°	287.5	289.4	291.2	295.0	298.7	302.4	304.3	309.9	317.4	323.0	330.4
60°	265.1	267.0	268.8	270.7	276.3	278.2	280.0	285.6	291.2	298.7	304.3
62.5°	242.7	242.7	244.6	246.4	252.0	253.9	255.8	259.5	267.0	270.7	276.3
65°	218.4	218.4	220.3	222.2	225.9	227.8	229.6	233.4	239.0	242.7	248.3
67.5°	192.3	192.3	194.2	196.0	199.8	201.6	201.6	207.2	211.0	214.7	218.4
70°	168.0	168.0	169.9	169.9	171.8	173.6	175.5	179.2	181.1	186.7	188.6
72.5°	141.9	141.9	141.9	141.9	145.6	145.6	147.5	151.2	153.1	156.8	160.5
75°	113.9	113.9	115.7	115.7	117.6	119.5	121.3	123.2	126.9	128.8	130.7
77.5°	89.6	87.7	89.6	91.5	93.3	93.3	95.2	97.1	98.9	102.7	104.5
80°	63.5	63.5	63.5	65.3	67.2	67.2	69.1	70.9	72.8	76.5	78.4
82.5°	41.1	41.1	42.9	42.9	44.8	46.7	46.7	48.5	50.4	54.1	56.0
85°	22.4	22.4	22.4	24.3	26.1	26.1	28.0	29.9	33.6	35.5	39.2
87.5°	7.5	7.5	9.3	11.2	13.1	13.1	14.9	16.8	18.7	22.4	24.3
90°	1.9	1.9	1.9	3.7	3.7	5.6	5.6	7.5	9.3	11.2	13.1
92.5°	7.5	13.1	20.5	29.9	28.0	29.9	20.5	13.1	13.1	13.1	14.9
95°	22.4	33.6	54.1	85.9	112.0	126.9	140.0	153.1	179.2	181.1	173.6
97.5°	44.8	61.6	98.9	140.0	186.7	211.0	229.6	268.8	309.9	336.0	367.8
100°	74.7	98.9	147.5	203.5	257.6	289.4	319.2	375.2	425.6	470.4	519.0
102.5°	110.1	138.1	197.9	267.0	334.2	369.6	401.4	466.7	535.8	595.5	647.8
105°	147.5	179.2	250.2	328.6	405.1	446.2	485.4	556.3	629.1	694.5	756.1
107.5°	188.6	222.2	298.7	386.4	472.3	519.0	561.9	638.5	715.0	785.9	851.3
110°	227.8	265.1	345.4	440.6	537.7	584.3	627.3	711.3	791.5	866.2	935.3



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CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (5700K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	268.8	308.0	388.3	492.9	591.8	640.3	685.1	774.7	858.8	935.3	1004.4
115°	308.0	345.4	429.4	537.7	638.5	688.9	737.4	828.9	916.6	993.2	1064.1
117.5°	345.4	380.8	466.7	575.0	679.5	729.9	778.5	873.7	961.4	1041.7	1110.8
120°	382.7	414.4	507.8	606.7	713.1	763.5	814.0	909.2	998.8	1079.0	1150.0
122.5°	416.3	446.2	537.7	634.7	739.3	791.5	840.1	937.2	1028.6	1108.9	1178.0
125°	446.2	474.2	565.7	657.1	761.7	812.1	862.5	957.7	1049.2	1127.6	1198.5
127.5°	476.0	504.1	586.2	679.5	776.6	828.9	877.4	972.6	1062.2	1142.5	1211.6
130°	507.8	528.3	606.7	700.1	791.5	840.1	890.5	982.0	1069.7	1148.1	1217.2
132.5°	533.9	552.6	627.3	716.9	802.7	849.4	894.2	985.7	1073.4	1148.1	1215.3
135°	558.2	573.1	642.2	731.8	812.1	855.0	898.0	983.8	1069.7	1144.4	1209.7
137.5°	580.6	595.5	655.3	743.0	819.6	856.9	898.0	978.2	1060.4	1135.1	1196.7
140°	601.1	612.3	666.5	748.6	823.3	858.8	894.2	968.9	1045.4	1118.2	1179.9
142.5°	621.7	631.0	675.8	752.3	825.2	858.8	892.4	957.7	1028.6	1099.6	1161.2
145°	636.6	645.9	683.3	754.2	823.3	855.0	884.9	946.5	1010.0	1075.3	1135.1
147.5°	653.4	660.9	690.7	750.5	817.7	847.6	875.6	931.6	989.4	1049.2	1105.2
150°	664.6	672.1	694.5	746.7	808.4	836.4	864.4	916.6	968.9	1021.2	1069.7
152.5°	675.8	681.4	700.1	741.1	797.1	823.3	849.4	899.8	948.4	995.0	1038.0
155°	685.1	690.7	703.8	737.4	784.1	808.4	832.6	881.2	926.0	967.0	1006.2
157.5°	694.5	698.2	707.5	731.8	769.1	791.5	814.0	856.9	898.0	939.0	970.8
160°	701.9	703.8	711.3	729.9	756.1	772.9	793.4	832.6	870.0	905.4	935.3
162.5°	709.4	709.4	715.0	726.2	744.9	756.1	771.0	804.6	838.2	870.0	898.0
165°	713.1	713.1	716.9	724.3	735.5	743.0	752.3	774.7	800.9	828.9	855.0
167.5°	716.9	716.9	718.7	722.5	729.9	733.7	737.4	752.3	769.1	789.7	810.2
170°	720.6	718.7	718.7	722.5	724.3	726.2	728.1	735.5	743.0	756.1	767.3
172.5°	720.6	718.7	718.7	720.6	720.6	720.6	720.6	722.5	724.3	731.8	735.5
175°	720.6	718.7	718.7	718.7	718.7	716.9	716.9	716.9	716.9	716.9	718.7
177.5°	720.6	718.7	716.9	716.9	715.0	715.0	713.1	713.1	711.3	711.3	711.3
180°	707.5	707.5	707.5	707.5	707.5	707.5	707.5	707.5	707.5	707.5	707.5



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	526.5	526.5	526.5	526.5	526.5	526.5	526.5	526.5	526.5	526.5
2.5°	528.3	528.3	526.5	526.5	524.6	524.6	522.7	520.9	519.0	519.0
5°	530.2	528.3	526.5	526.5	526.5	524.6	524.6	524.6	522.7	522.7
7.5°	530.2	530.2	530.2	528.3	528.3	528.3	528.3	528.3	526.5	526.5
10°	532.1	532.1	532.1	532.1	532.1	532.1	532.1	530.2	530.2	530.2
12.5°	532.1	532.1	532.1	533.9	533.9	533.9	533.9	533.9	533.9	533.9
15°	533.9	533.9	535.8	535.8	537.7	537.7	539.5	539.5	539.5	537.7
17.5°	532.1	533.9	535.8	537.7	539.5	539.5	541.4	541.4	541.4	541.4
20°	532.1	535.8	537.7	539.5	541.4	541.4	543.3	545.1	545.1	543.3
22.5°	530.2	533.9	535.8	539.5	541.4	541.4	545.1	545.1	545.1	545.1
25°	528.3	532.1	535.8	539.5	541.4	541.4	545.1	545.1	547.0	547.0
27.5°	524.6	528.3	533.9	537.7	539.5	541.4	543.3	545.1	545.1	545.1
30°	519.0	524.6	530.2	533.9	535.8	537.7	539.5	541.4	543.3	543.3
32.5°	511.5	517.1	522.7	528.3	530.2	532.1	535.8	537.7	537.7	537.7
35°	504.1	509.7	515.3	520.9	522.7	524.6	528.3	530.2	532.1	532.1
37.5°	492.9	498.5	504.1	509.7	511.5	515.3	519.0	520.9	520.9	520.9
40°	476.0	485.4	492.9	498.5	500.3	504.1	505.9	509.7	509.7	509.7
42.5°	461.1	468.6	474.2	481.6	483.5	489.1	492.9	494.7	496.6	496.6
45°	444.3	451.8	457.4	463.0	464.8	468.6	472.3	474.2	476.0	477.9
47.5°	427.5	433.1	438.7	444.3	446.2	449.9	453.6	455.5	457.4	457.4
50°	407.0	412.6	418.2	423.8	425.6	429.4	431.2	433.1	435.0	435.0
52.5°	384.6	390.2	395.8	401.4	403.2	405.1	408.8	410.7	412.6	412.6
55°	362.2	367.8	371.5	377.1	379.0	380.8	382.7	386.4	388.3	386.4
57.5°	336.0	341.6	345.4	351.0	352.8	354.7	356.6	358.4	360.3	360.3
60°	308.0	313.6	319.2	323.0	324.8	326.7	328.6	330.4	332.3	332.3
62.5°	280.0	285.6	289.4	295.0	296.8	296.8	298.7	300.6	302.4	302.4
65°	252.0	257.6	259.5	265.1	265.1	267.0	268.8	270.7	270.7	270.7
67.5°	222.2	227.8	229.6	233.4	233.4	235.2	237.1	239.0	239.0	239.0
70°	194.2	196.0	199.8	201.6	203.5	203.5	205.4	207.2	209.1	207.2
72.5°	164.3	166.2	169.9	171.8	171.8	173.6	173.6	175.5	177.4	177.4
75°	134.4	138.1	140.0	141.9	143.7	143.7	145.6	147.5	147.5	147.5
77.5°	106.4	110.1	112.0	113.9	115.7	115.7	117.6	117.6	119.5	117.6
80°	82.1	84.0	85.9	87.7	89.6	89.6	91.5	93.3	93.3	93.3
82.5°	59.7	61.6	65.3	67.2	67.2	67.2	70.9	70.9	72.8	70.9
85°	41.1	42.9	46.7	48.5	50.4	50.4	50.4	52.3	54.1	52.3
87.5°	26.1	29.9	31.7	33.6	33.6	33.6	35.5	37.3	37.3	37.3
90°	14.9	14.9	16.8	18.7	18.7	20.5	20.5	22.4	22.4	22.4
92.5°	14.9	16.8	16.8	16.8	18.7	18.7	18.7	20.5	20.5	20.5
95°	126.9	91.5	52.3	41.1	35.5	35.5	33.6	35.5	33.6	33.6
97.5°	384.6	416.3	431.2	451.8	463.0	461.1	453.6	461.1	455.5	461.1
100°	547.0	576.9	599.3	604.9	616.1	621.7	642.2	657.1	664.6	673.9
102.5°	679.5	715.0	741.1	756.1	767.3	774.7	799.0	821.4	832.6	840.1
105°	800.9	838.2	870.0	884.9	898.0	905.4	931.6	957.7	974.5	983.8
107.5°	898.0	940.9	974.5	996.9	1010.0	1023.0	1054.8	1080.9	1101.4	1110.8
110°	985.7	1028.6	1064.1	1090.2	1105.2	1118.2	1153.7	1183.6	1206.0	1217.2





TEST NUMBER: P395483

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (5700K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1058.5	1105.2	1140.7	1168.7	1183.6	1202.3	1235.9	1269.5	1291.9	1304.9
115°	1118.2	1166.8	1204.1	1234.0	1250.8	1267.6	1306.8	1340.4	1362.8	1372.1
117.5°	1168.7	1217.2	1256.4	1286.3	1304.9	1323.6	1362.8	1392.7	1416.9	1424.4
120°	1209.7	1258.3	1297.5	1331.1	1349.7	1366.5	1403.9	1435.6	1458.0	1463.6
122.5°	1237.7	1288.1	1329.2	1366.5	1383.3	1400.1	1435.6	1467.4	1487.9	1493.5
125°	1258.3	1310.5	1351.6	1390.8	1407.6	1424.4	1458.0	1489.8	1506.6	1514.0
127.5°	1271.3	1323.6	1368.4	1405.7	1424.4	1439.3	1473.0	1501.0	1517.8	1523.4
130°	1275.1	1329.2	1374.0	1413.2	1430.0	1444.9	1476.7	1504.7	1519.6	1523.4
132.5°	1275.1	1327.3	1374.0	1411.3	1428.1	1443.1	1473.0	1499.1	1514.0	1517.8
135°	1267.6	1318.0	1364.7	1402.0	1418.8	1433.7	1463.6	1486.0	1501.0	1502.8
137.5°	1254.5	1303.1	1347.9	1385.2	1402.0	1416.9	1443.1	1467.4	1480.4	1484.2
140°	1237.7	1282.5	1327.3	1362.8	1379.6	1392.7	1418.8	1439.3	1452.4	1456.2
142.5°	1215.3	1260.1	1301.2	1336.7	1349.7	1364.7	1387.1	1407.6	1418.8	1422.5
145°	1191.1	1234.0	1271.3	1303.1	1318.0	1331.1	1351.6	1370.3	1381.5	1385.2
147.5°	1159.3	1202.3	1237.7	1267.6	1280.7	1293.7	1312.4	1329.2	1340.4	1344.1
150°	1120.1	1159.3	1196.7	1224.7	1237.7	1250.8	1269.5	1284.4	1295.6	1297.5
152.5°	1080.9	1118.2	1150.0	1178.0	1191.1	1204.1	1220.9	1235.9	1248.9	1248.9
155°	1043.6	1075.3	1105.2	1129.5	1140.7	1151.9	1168.7	1181.7	1192.9	1192.9
157.5°	1004.4	1034.2	1058.5	1080.9	1090.2	1099.6	1114.5	1125.7	1135.1	1133.2
160°	967.0	989.4	1011.8	1030.5	1039.8	1047.3	1058.5	1067.8	1077.2	1075.3
162.5°	926.0	946.5	965.2	978.2	985.7	991.3	1002.5	1011.8	1017.4	1017.4
165°	879.3	898.0	914.8	927.8	935.3	939.0	948.4	954.0	959.6	959.6
167.5°	830.8	845.7	860.6	871.8	879.3	883.0	892.4	896.1	903.6	901.7
170°	782.2	793.4	804.6	814.0	817.7	821.4	828.9	832.6	836.4	836.4
172.5°	743.0	746.7	752.3	759.8	759.8	761.7	765.4	767.3	769.1	769.1
175°	720.6	722.5	722.5	722.5	722.5	722.5	724.3	722.5	724.3	722.5
177.5°	711.3	711.3	709.4	709.4	707.5	709.4	707.5	705.7	705.7	703.8
180°	707.5	707.5	707.5	707.5	707.5	707.5	707.5	707.5	707.5	707.5

(END OF REPORT)