

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: P395444

Luminaire Tested: **I3-CL-60L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395444  
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-60L82765-1D-UNV-W2A-W-4 (5700K)  
Description: CORELITE I3, CLEAR TOP COVER  
6000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 5700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5800.6 lumens  
Efficiency: N/A  
Efficacy: 128.0 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

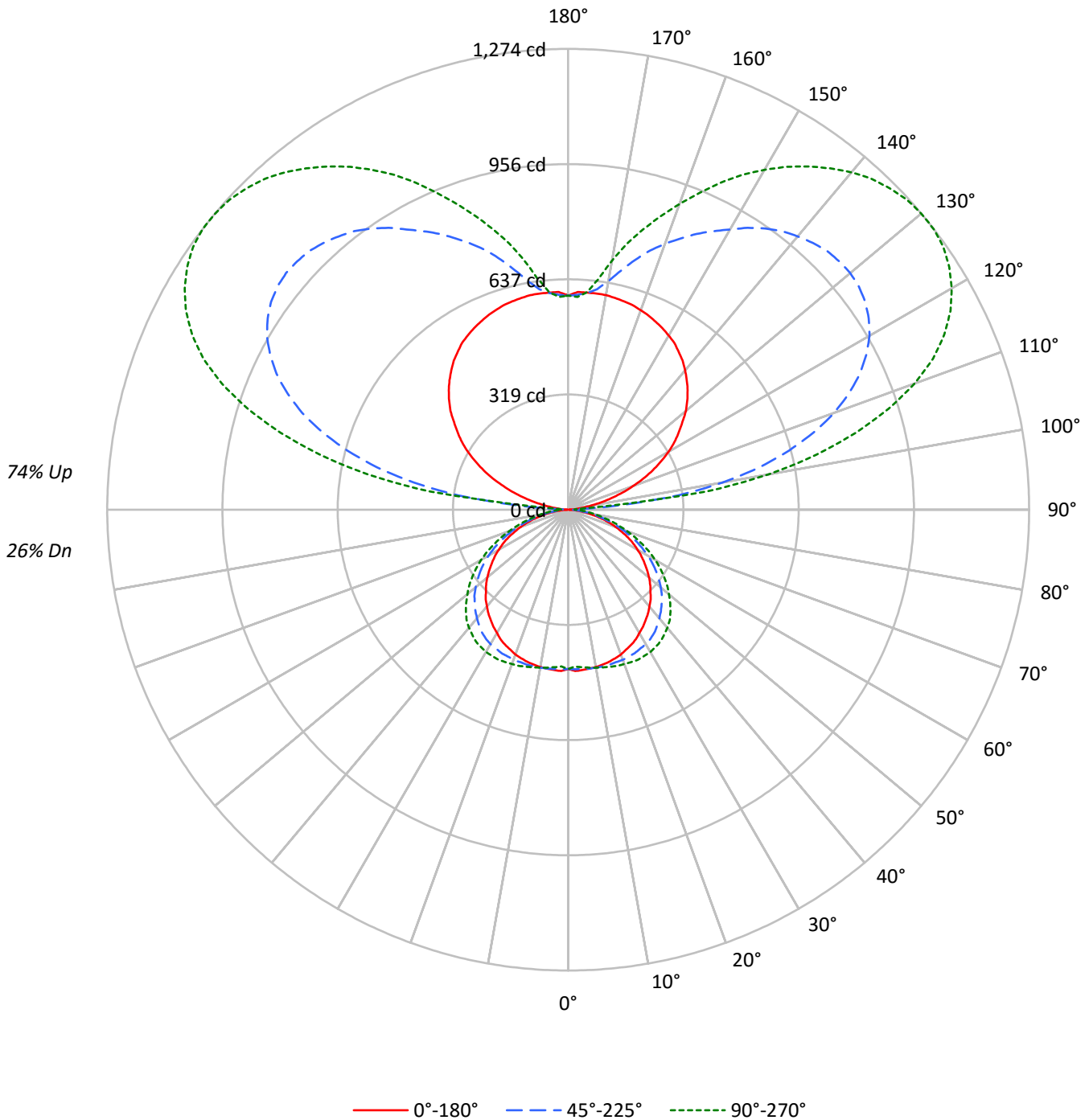
Input Watts (W): 45.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2420	2420	2420
5°	2446	2382	2343
10°	2447	2363	2337
15°	2450	2355	2348
20°	2454	2356	2369
25°	2451	2359	2400
30°	2437	2362	2417
35°	2431	2349	2420
40°	2422	2299	2389
45°	2397	2243	2330
50°	2376	2169	2226
55°	2327	2060	2098
60°	2269	1915	1936
65°	2176	1720	1716
70°	2022	1465	1454
75°	1745	1165	1167
80°	1354	828	854
85°	793	512	573



TEST NUMBER: P395444

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (5700K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.1	0.7
10°-20°	125.1	2.2
20°-30°	200.6	3.5
30°-40°	256.6	4.4
40°-50°	279.7	4.8
50°-60°	262.1	4.5
60°-70°	203.4	3.5
70°-80°	116.6	2.0
80°-90°	37.3	0.6
90°-100°	149.6	2.6
100°-110°	581.6	10.0
110°-120°	791.8	13.6
120°-130°	821.9	14.2
130°-140°	729.0	12.6
140°-150°	565.7	9.8
150°-160°	377.5	6.5
160°-170°	201.2	3.5
170°-180°	58.9	1.0
0°-30°	367.9	6.3
0°-40°	624.4	10.8
0°-60°	1166.3	20.1
0°-90°	1523.5	26.3
90°-120°	1522.9	26.3
90°-150°	3639.5	62.7
90°-180°	4277.0	73.7
0°-180°	5800.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	440	440	440	440	440	
5°	445	440	442	440	437	42
15°	436	434	443	450	450	123
25°	412	415	437	453	457	190
35°	373	381	415	437	445	234
45°	322	336	365	389	400	249
55°	258	272	297	317	323	230
65°	183	190	208	222	226	180
75°	95	100	109	120	123	102
85°	19	22	33	42	44	22
90°	2	5	11	16	19	2
95°	19	106	145	30	28	25
105°	123	373	632	751	823	132
115°	258	576	890	1046	1147	254
125°	373	679	1002	1177	1266	334
135°	467	715	1012	1186	1256	360
145°	532	715	949	1102	1158	333
155°	573	676	841	954	997	265
165°	596	621	715	782	802	169
175°	602	599	601	604	604	57
180°	592	592	592	592	592	



TEST NUMBER: P395444

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (5700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	440.2	440.2	440.2	440.2	440.2	440.2	440.2	440.2	440.2	440.2	440.2
2.5°	446.4	444.9	444.9	441.7	441.7	440.2	440.2	440.2	440.2	440.2	441.7
5°	444.9	444.9	443.3	441.7	441.7	440.2	440.2	440.2	440.2	440.2	441.7
7.5°	443.3	443.3	441.7	440.2	440.2	440.2	440.2	440.2	440.2	440.2	443.3
10°	441.7	441.7	440.2	438.6	438.6	438.6	438.6	440.2	440.2	440.2	443.3
12.5°	438.6	437.1	437.1	435.5	435.5	435.5	437.1	437.1	438.6	440.2	443.3
15°	435.5	435.5	433.9	432.4	433.9	433.9	433.9	435.5	437.1	438.6	443.3
17.5°	430.8	430.8	429.3	429.3	429.3	430.8	430.8	432.4	435.5	438.6	441.7
20°	426.1	424.6	424.6	424.6	426.1	426.1	427.7	430.8	432.4	437.1	441.7
22.5°	418.3	419.9	418.3	418.3	419.9	421.4	423.0	426.1	429.3	433.9	438.6
25°	412.1	412.1	412.1	412.1	415.2	415.2	418.3	421.4	426.1	430.8	437.1
27.5°	404.3	404.3	404.3	405.8	407.4	409.0	410.5	415.2	419.9	426.1	432.4
30°	393.4	393.4	393.4	393.4	398.0	399.6	402.7	409.0	413.6	421.4	429.3
32.5°	384.0	384.0	384.0	385.5	388.7	390.2	393.4	401.2	407.4	415.2	423.0
35°	373.1	373.1	374.6	374.6	379.3	380.9	384.0	390.2	396.5	405.8	415.2
37.5°	362.1	362.1	363.7	365.3	368.4	371.5	374.6	380.9	387.1	394.9	404.3
40°	349.6	349.6	351.2	352.8	357.4	360.6	363.7	369.9	376.2	384.0	391.8
42.5°	337.2	337.2	338.7	340.3	345.0	348.1	351.2	359.0	365.3	373.1	379.3
45°	321.5	323.1	324.7	327.8	332.5	335.6	338.7	345.0	352.8	359.0	365.3
47.5°	307.5	309.1	310.6	313.7	318.4	321.5	324.7	330.9	337.2	343.4	351.2
50°	291.9	293.5	295.0	298.1	302.8	305.9	309.1	315.3	321.5	326.2	334.0
52.5°	274.7	276.3	277.8	281.0	287.2	288.8	291.9	298.1	302.8	309.1	315.3
55°	257.6	259.1	260.7	263.8	268.5	271.6	273.2	279.4	284.1	290.3	296.6
57.5°	240.4	241.9	243.5	246.6	249.7	252.9	254.4	259.1	265.4	270.0	276.3
60°	221.6	223.2	224.8	226.3	231.0	232.6	234.1	238.8	243.5	249.7	254.4
62.5°	202.9	202.9	204.5	206.0	210.7	212.3	213.8	217.0	223.2	226.3	231.0
65°	182.6	182.6	184.2	185.7	188.9	190.4	192.0	195.1	199.8	202.9	207.6
67.5°	160.8	160.8	162.3	163.9	167.0	168.6	168.6	173.3	176.4	179.5	182.6
70°	140.5	140.5	142.0	142.0	143.6	145.2	146.7	149.8	151.4	156.1	157.7
72.5°	118.6	118.6	118.6	118.6	121.8	121.8	123.3	126.4	128.0	131.1	134.2
75°	95.2	95.2	96.8	96.8	98.3	99.9	101.5	103.0	106.1	107.7	109.3
77.5°	74.9	73.4	74.9	76.5	78.0	78.0	79.6	81.2	82.7	85.9	87.4
80°	53.1	53.1	53.1	54.6	56.2	56.2	57.8	59.3	60.9	64.0	65.6
82.5°	34.3	34.3	35.9	35.9	37.5	39.0	39.0	40.6	42.1	45.3	46.8
85°	18.7	18.7	18.7	20.3	21.9	21.9	23.4	25.0	28.1	29.7	32.8
87.5°	6.2	6.2	7.8	9.4	10.9	10.9	12.5	14.0	15.6	18.7	20.3
90°	1.6	1.6	1.6	3.1	3.1	4.7	4.7	6.2	7.8	9.4	10.9
92.5°	6.2	10.9	17.2	25.0	23.4	25.0	17.2	10.9	10.9	10.9	12.5
95°	18.7	28.1	45.3	71.8	93.7	106.1	117.1	128.0	149.8	151.4	145.2
97.5°	37.5	51.5	82.7	117.1	156.1	176.4	192.0	224.8	259.1	281.0	307.5
100°	62.4	82.7	123.3	170.1	215.4	241.9	266.9	313.7	355.9	393.4	433.9
102.5°	92.1	115.5	165.5	223.2	279.4	309.1	335.6	390.2	448.0	497.9	541.6
105°	123.3	149.8	209.2	274.7	338.7	373.1	405.8	465.2	526.0	580.7	632.2
107.5°	157.7	185.7	249.7	323.1	394.9	433.9	469.8	533.8	597.8	657.1	711.8
110°	190.4	221.6	288.8	368.4	449.5	488.6	524.5	594.7	661.8	724.3	782.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	224.8	257.6	324.7	412.1	494.8	535.4	572.9	647.8	718.0	782.0	839.8
115°	257.6	288.8	359.0	449.5	533.8	576.0	616.6	693.0	766.4	830.4	889.7
117.5°	288.8	318.4	390.2	480.8	568.2	610.3	650.9	730.5	803.9	871.0	928.7
120°	320.0	346.5	424.6	507.3	596.3	638.4	680.6	760.2	835.1	902.2	961.5
122.5°	348.1	373.1	449.5	530.7	618.1	661.8	702.4	783.6	860.1	927.2	984.9
125°	373.1	396.5	473.0	549.4	636.9	679.0	721.1	800.7	877.2	942.8	1002.1
127.5°	398.0	421.4	490.1	568.2	649.3	693.0	733.6	813.2	888.2	955.3	1013.0
130°	424.6	441.7	507.3	585.3	661.8	702.4	744.6	821.0	894.4	960.0	1017.7
132.5°	446.4	462.0	524.5	599.4	671.2	710.2	747.7	824.2	897.5	960.0	1016.2
135°	466.7	479.2	537.0	611.9	679.0	714.9	750.8	822.6	894.4	956.8	1011.5
137.5°	485.4	497.9	547.9	621.2	685.2	716.5	750.8	817.9	886.6	949.0	1000.5
140°	502.6	512.0	557.2	625.9	688.4	718.0	747.7	810.1	874.1	935.0	986.5
142.5°	519.8	527.6	565.1	629.0	689.9	718.0	746.1	800.7	860.1	919.4	970.9
145°	532.3	540.1	571.3	630.6	688.4	714.9	739.9	791.4	844.5	899.1	949.0
147.5°	546.3	552.6	577.5	627.5	683.7	708.7	732.1	778.9	827.3	877.2	924.1
150°	555.7	561.9	580.7	624.4	675.9	699.3	722.7	766.4	810.1	853.8	894.4
152.5°	565.1	569.7	585.3	619.7	666.5	688.4	710.2	752.4	792.9	832.0	867.9
155°	572.9	577.5	588.5	616.6	655.6	675.9	696.2	736.8	774.2	808.6	841.3
157.5°	580.7	583.8	591.6	611.9	643.1	661.8	680.6	716.5	750.8	785.1	811.7
160°	586.9	588.5	594.7	610.3	632.2	646.2	663.4	696.2	727.4	757.0	782.0
162.5°	593.1	593.1	597.8	607.2	622.8	632.2	644.7	672.8	700.9	727.4	750.8
165°	596.3	596.3	599.4	605.6	615.0	621.2	629.0	647.8	669.6	693.0	714.9
167.5°	599.4	599.4	601.0	604.1	610.3	613.4	616.6	629.0	643.1	660.3	677.4
170°	602.5	601.0	601.0	604.1	605.6	607.2	608.8	615.0	621.2	632.2	641.5
172.5°	602.5	601.0	601.0	602.5	602.5	602.5	602.5	604.1	605.6	611.9	615.0
175°	602.5	601.0	601.0	601.0	601.0	599.4	599.4	599.4	599.4	599.4	601.0
177.5°	602.5	601.0	599.4	599.4	597.8	597.8	596.3	596.3	594.7	594.7	594.7
180°	591.6	591.6	591.6	591.6	591.6	591.6	591.6	591.6	591.6	591.6	591.6



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	440.2	440.2	440.2	440.2	440.2	440.2	440.2	440.2	440.2	440.2
2.5°	441.7	441.7	440.2	440.2	438.6	438.6	437.1	435.5	433.9	433.9
5°	443.3	441.7	440.2	440.2	440.2	438.6	438.6	438.6	437.1	437.1
7.5°	443.3	443.3	443.3	441.7	441.7	441.7	441.7	441.7	440.2	440.2
10°	444.9	444.9	444.9	444.9	444.9	444.9	444.9	443.3	443.3	443.3
12.5°	444.9	444.9	444.9	446.4	446.4	446.4	446.4	446.4	446.4	446.4
15°	446.4	446.4	448.0	448.0	449.5	449.5	451.1	451.1	451.1	449.5
17.5°	444.9	446.4	448.0	449.5	451.1	451.1	452.7	452.7	452.7	452.7
20°	444.9	448.0	449.5	451.1	452.7	452.7	454.2	455.8	455.8	454.2
22.5°	443.3	446.4	448.0	451.1	452.7	452.7	455.8	455.8	455.8	455.8
25°	441.7	444.9	448.0	451.1	452.7	452.7	455.8	455.8	457.3	457.3
27.5°	438.6	441.7	446.4	449.5	451.1	452.7	454.2	455.8	455.8	455.8
30°	433.9	438.6	443.3	446.4	448.0	449.5	451.1	452.7	454.2	454.2
32.5°	427.7	432.4	437.1	441.7	443.3	444.9	448.0	449.5	449.5	449.5
35°	421.4	426.1	430.8	435.5	437.1	438.6	441.7	443.3	444.9	444.9
37.5°	412.1	416.8	421.4	426.1	427.7	430.8	433.9	435.5	435.5	435.5
40°	398.0	405.8	412.1	416.8	418.3	421.4	423.0	426.1	426.1	426.1
42.5°	385.5	391.8	396.5	402.7	404.3	409.0	412.1	413.6	415.2	415.2
45°	371.5	377.7	382.4	387.1	388.7	391.8	394.9	396.5	398.0	399.6
47.5°	357.4	362.1	366.8	371.5	373.1	376.2	379.3	380.9	382.4	382.4
50°	340.3	345.0	349.6	354.3	355.9	359.0	360.6	362.1	363.7	363.7
52.5°	321.5	326.2	330.9	335.6	337.2	338.7	341.8	343.4	345.0	345.0
55°	302.8	307.5	310.6	315.3	316.9	318.4	320.0	323.1	324.7	323.1
57.5°	281.0	285.6	288.8	293.5	295.0	296.6	298.1	299.7	301.3	301.3
60°	257.6	262.2	266.9	270.0	271.6	273.2	274.7	276.3	277.8	277.8
62.5°	234.1	238.8	241.9	246.6	248.2	248.2	249.7	251.3	252.9	252.9
65°	210.7	215.4	217.0	221.6	221.6	223.2	224.8	226.3	226.3	226.3
67.5°	185.7	190.4	192.0	195.1	195.1	196.7	198.2	199.8	199.8	199.8
70°	162.3	163.9	167.0	168.6	170.1	170.1	171.7	173.3	174.8	173.3
72.5°	137.4	138.9	142.0	143.6	143.6	145.2	145.2	146.7	148.3	148.3
75°	112.4	115.5	117.1	118.6	120.2	120.2	121.8	123.3	123.3	123.3
77.5°	89.0	92.1	93.7	95.2	96.8	96.8	98.3	98.3	99.9	98.3
80°	68.7	70.2	71.8	73.4	74.9	74.9	76.5	78.0	78.0	78.0
82.5°	49.9	51.5	54.6	56.2	56.2	56.2	59.3	59.3	60.9	59.3
85°	34.3	35.9	39.0	40.6	42.1	42.1	42.1	43.7	45.3	43.7
87.5°	21.9	25.0	26.5	28.1	28.1	28.1	29.7	31.2	31.2	31.2
90°	12.5	12.5	14.0	15.6	15.6	17.2	17.2	18.7	18.7	18.7
92.5°	12.5	14.0	14.0	14.0	15.6	15.6	15.6	17.2	17.2	17.2
95°	106.1	76.5	43.7	34.3	29.7	29.7	28.1	29.7	28.1	28.1
97.5°	321.5	348.1	360.6	377.7	387.1	385.5	379.3	385.5	380.9	385.5
100°	457.3	482.3	501.1	505.7	515.1	519.8	537.0	549.4	555.7	563.5
102.5°	568.2	597.8	619.7	632.2	641.5	647.8	668.1	686.8	696.2	702.4
105°	669.6	700.9	727.4	739.9	750.8	757.0	778.9	800.7	814.8	822.6
107.5°	750.8	786.7	814.8	833.5	844.5	855.4	881.9	903.8	920.9	928.7
110°	824.2	860.1	889.7	911.6	924.1	935.0	964.6	989.6	1008.4	1017.7





TEST NUMBER: P395444

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (5700K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	885.0	924.1	953.7	977.1	989.6	1005.2	1033.3	1061.4	1080.2	1091.1
115°	935.0	975.6	1006.8	1031.8	1045.8	1059.9	1092.6	1120.7	1139.5	1147.3
117.5°	977.1	1017.7	1050.5	1075.5	1091.1	1106.7	1139.5	1164.4	1184.7	1191.0
120°	1011.5	1052.1	1084.8	1112.9	1128.5	1142.6	1173.8	1200.3	1219.1	1223.8
122.5°	1034.9	1077.0	1111.4	1142.6	1156.6	1170.7	1200.3	1226.9	1244.0	1248.7
125°	1052.1	1095.8	1130.1	1162.9	1176.9	1191.0	1219.1	1245.6	1259.7	1265.9
127.5°	1063.0	1106.7	1144.1	1175.4	1191.0	1203.5	1231.6	1255.0	1269.0	1273.7
130°	1066.1	1111.4	1148.8	1181.6	1195.7	1208.1	1234.7	1258.1	1270.6	1273.7
132.5°	1066.1	1109.8	1148.8	1180.1	1194.1	1206.6	1231.6	1253.4	1265.9	1269.0
135°	1059.9	1102.0	1141.0	1172.2	1186.3	1198.8	1223.8	1242.5	1255.0	1256.5
137.5°	1048.9	1089.5	1127.0	1158.2	1172.2	1184.7	1206.6	1226.9	1237.8	1240.9
140°	1034.9	1072.3	1109.8	1139.5	1153.5	1164.4	1186.3	1203.5	1214.4	1217.5
142.5°	1016.2	1053.6	1088.0	1117.6	1128.5	1141.0	1159.8	1176.9	1186.3	1189.4
145°	995.9	1031.8	1063.0	1089.5	1102.0	1112.9	1130.1	1145.7	1155.1	1158.2
147.5°	969.3	1005.2	1034.9	1059.9	1070.8	1081.7	1097.3	1111.4	1120.7	1123.9
150°	936.5	969.3	1000.5	1024.0	1034.9	1045.8	1061.4	1073.9	1083.3	1084.8
152.5°	903.8	935.0	961.5	984.9	995.9	1006.8	1020.8	1033.3	1044.3	1044.3
155°	872.6	899.1	924.1	944.4	953.7	963.1	977.1	988.1	997.4	997.4
157.5°	839.8	864.7	885.0	903.8	911.6	919.4	931.9	941.2	949.0	947.5
160°	808.6	827.3	846.0	861.6	869.4	875.7	885.0	892.8	900.6	899.1
162.5°	774.2	791.4	807.0	817.9	824.2	828.8	838.2	846.0	850.7	850.7
165°	735.2	750.8	764.8	775.8	782.0	785.1	792.9	797.6	802.3	802.3
167.5°	694.6	707.1	719.6	728.9	735.2	738.3	746.1	749.2	755.5	753.9
170°	654.0	663.4	672.8	680.6	683.7	686.8	693.0	696.2	699.3	699.3
172.5°	621.2	624.4	629.0	635.3	635.3	636.9	640.0	641.5	643.1	643.1
175°	602.5	604.1	604.1	604.1	604.1	604.1	605.6	604.1	605.6	604.1
177.5°	594.7	594.7	593.1	593.1	591.6	593.1	591.6	590.0	590.0	588.5
180°	591.6	591.6	591.6	591.6	591.6	591.6	591.6	591.6	591.6	591.6

(END OF REPORT)