

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: P395445

Luminaire Tested: **I3-CL-60L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395445  
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 (6500K)  
Description: CORELITE I3, CLEAR TOP COVER  
6000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5811.7 lumens  
Efficiency: N/A  
Efficacy: 126.3 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

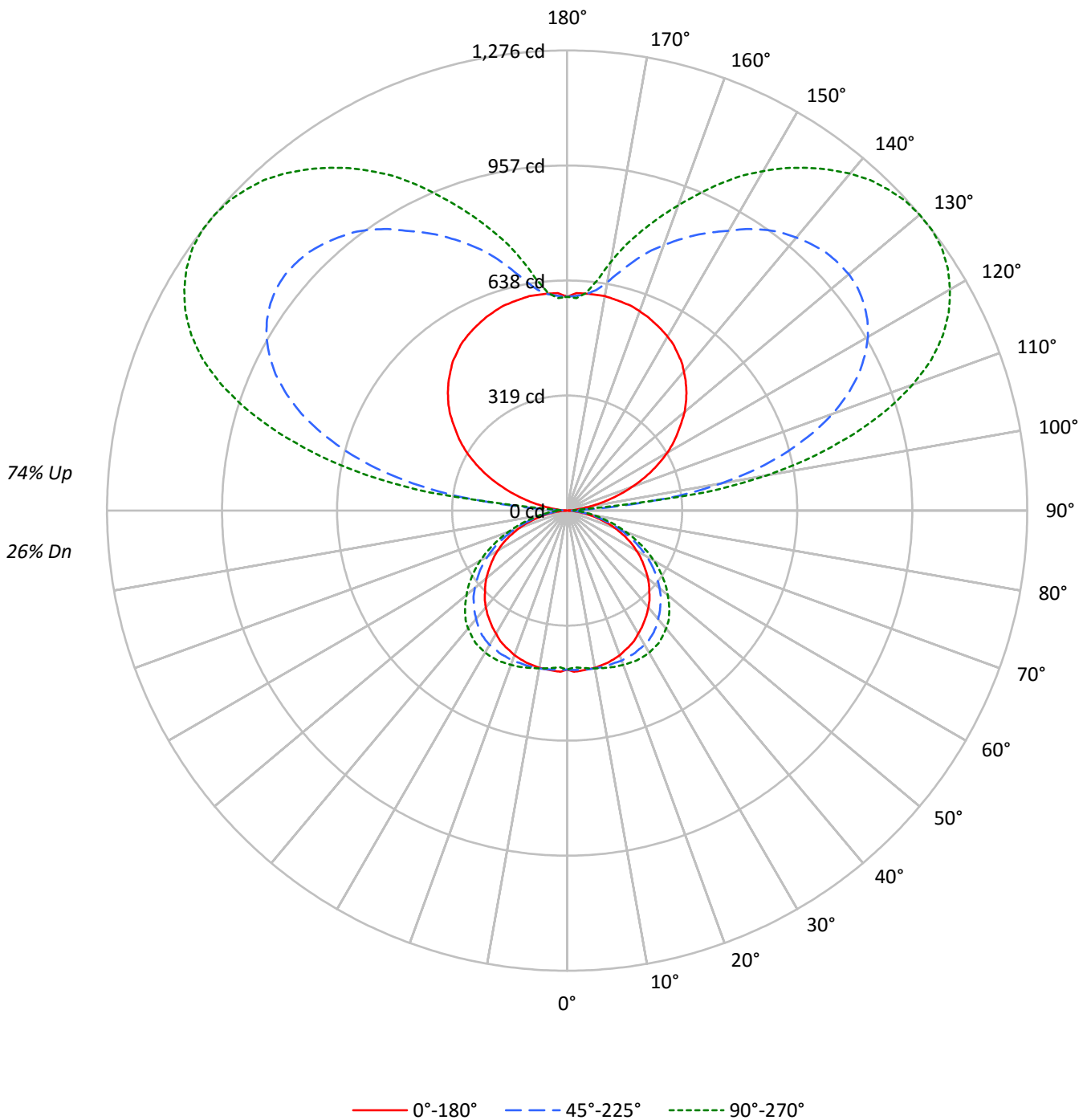
Input Watts (W): 46  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P395445

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (6500K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395445

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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°	2424	2424	2424
5°	2450	2387	2348
10°	2452	2368	2341
15°	2455	2359	2353
20°	2459	2361	2374
25°	2455	2363	2405
30°	2441	2367	2422
35°	2436	2353	2425
40°	2427	2303	2394
45°	2402	2248	2334
50°	2380	2174	2230
55°	2331	2064	2102
60°	2274	1919	1940
65°	2181	1723	1720
70°	2026	1467	1456
75°	1748	1167	1169
80°	1357	829	856
85°	798	512	574



TEST NUMBER: P395445

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (6500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.2	0.7
10°-20°	125.4	2.2
20°-30°	201.0	3.5
30°-40°	257.1	4.4
40°-50°	280.3	4.8
50°-60°	262.6	4.5
60°-70°	203.8	3.5
70°-80°	116.8	2.0
80°-90°	37.3	0.6
90°-100°	149.9	2.6
100°-110°	582.7	10.0
110°-120°	793.3	13.6
120°-130°	823.5	14.2
130°-140°	730.4	12.6
140°-150°	566.7	9.8
150°-160°	378.2	6.5
160°-170°	201.6	3.5
170°-180°	59.0	1.0
0°-30°	368.6	6.3
0°-40°	625.6	10.8
0°-60°	1168.5	20.1
0°-90°	1526.4	26.3
90°-120°	1525.9	26.3
90°-150°	3646.5	62.7
90°-180°	4285.0	73.7
0°-180°	5811.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	441	441	441	441	441	
5°	446	441	443	441	438	42
15°	436	435	444	450	450	123
25°	413	416	438	454	458	190
35°	374	382	416	438	446	234
45°	322	336	366	389	400	249
55°	258	272	297	318	324	231
65°	183	191	208	222	227	180
75°	95	100	110	120	124	102
85°	19	22	33	42	44	23
90°	2	5	11	16	19	2
95°	19	106	145	30	28	25
105°	124	374	633	752	824	132
115°	258	577	891	1048	1150	254
125°	374	680	1004	1179	1268	334
135°	468	716	1013	1189	1259	360
145°	533	716	951	1104	1160	334
155°	574	677	843	956	999	265
165°	597	622	716	784	804	169
175°	604	600	602	605	605	58
180°	593	593	593	593	593	



TEST NUMBER: P395445

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	441.0	441.0	441.0	441.0	441.0	441.0	441.0	441.0	441.0	441.0	441.0
2.5°	447.3	445.7	445.7	442.6	442.6	441.0	441.0	441.0	441.0	441.0	442.6
5°	445.7	445.7	444.1	442.6	442.6	441.0	441.0	441.0	441.0	441.0	442.6
7.5°	444.1	444.1	442.6	441.0	441.0	441.0	441.0	441.0	441.0	441.0	444.1
10°	442.6	442.6	441.0	439.5	439.5	439.5	439.5	441.0	441.0	441.0	444.1
12.5°	439.5	437.9	437.9	436.3	436.3	436.3	437.9	437.9	439.5	441.0	444.1
15°	436.3	436.3	434.8	433.2	434.8	434.8	434.8	436.3	437.9	439.5	444.1
17.5°	431.6	431.6	430.1	430.1	430.1	431.6	431.6	433.2	436.3	439.5	442.6
20°	426.9	425.4	425.4	425.4	426.9	426.9	428.5	431.6	433.2	437.9	442.6
22.5°	419.1	420.7	419.1	419.1	420.7	422.3	423.8	426.9	430.1	434.8	439.5
25°	412.9	412.9	412.9	412.9	416.0	416.0	419.1	422.3	426.9	431.6	437.9
27.5°	405.1	405.1	405.1	406.6	408.2	409.7	411.3	416.0	420.7	426.9	433.2
30°	394.1	394.1	394.1	394.1	398.8	400.4	403.5	409.7	414.4	422.3	430.1
32.5°	384.7	384.7	384.7	386.3	389.4	391.0	394.1	401.9	408.2	416.0	423.8
35°	373.8	373.8	375.3	375.3	380.0	381.6	384.7	391.0	397.2	406.6	416.0
37.5°	362.8	362.8	364.4	366.0	369.1	372.2	375.3	381.6	387.8	395.7	405.1
40°	350.3	350.3	351.9	353.4	358.1	361.3	364.4	370.6	376.9	384.7	392.5
42.5°	337.8	337.8	339.4	340.9	345.6	348.8	351.9	359.7	366.0	373.8	380.0
45°	322.2	323.7	325.3	328.4	333.1	336.2	339.4	345.6	353.4	359.7	366.0
47.5°	308.1	309.7	311.2	314.3	319.0	322.2	325.3	331.5	337.8	344.1	351.9
50°	292.5	294.0	295.6	298.7	303.4	306.5	309.7	315.9	322.2	326.9	334.7
52.5°	275.2	276.8	278.4	281.5	287.8	289.3	292.5	298.7	303.4	309.7	315.9
55°	258.0	259.6	261.2	264.3	269.0	272.1	273.7	279.9	284.6	290.9	297.1
57.5°	240.8	242.4	244.0	247.1	250.2	253.4	254.9	259.6	265.9	270.6	276.8
60°	222.1	223.6	225.2	226.8	231.5	233.0	234.6	239.3	244.0	250.2	254.9
62.5°	203.3	203.3	204.9	206.4	211.1	212.7	214.3	217.4	223.6	226.8	231.5
65°	183.0	183.0	184.5	186.1	189.2	190.8	192.4	195.5	200.2	203.3	208.0
67.5°	161.1	161.1	162.6	164.2	167.3	168.9	168.9	173.6	176.7	179.8	183.0
70°	140.8	140.8	142.3	142.3	143.9	145.4	147.0	150.1	151.7	156.4	158.0
72.5°	118.9	118.9	118.9	118.9	122.0	122.0	123.5	126.7	128.2	131.4	134.5
75°	95.4	95.4	97.0	97.0	98.5	100.1	101.7	103.2	106.3	107.9	109.5
77.5°	75.1	73.5	75.1	76.6	78.2	78.2	79.8	81.3	82.9	86.0	87.6
80°	53.2	53.2	53.2	54.7	56.3	56.3	57.9	59.4	61.0	64.1	65.7
82.5°	34.4	34.4	36.0	36.0	37.5	39.1	39.1	40.7	42.2	45.4	46.9
85°	18.8	18.8	18.8	20.3	21.9	21.9	23.5	25.0	28.2	29.7	32.8
87.5°	6.3	6.3	7.8	9.4	10.9	10.9	12.5	14.1	15.6	18.8	20.3
90°	1.6	1.6	1.6	3.1	3.1	4.7	4.7	6.3	7.8	9.4	10.9
92.5°	6.3	10.9	17.2	25.0	23.5	25.0	17.2	10.9	10.9	10.9	12.5
95°	18.8	28.2	45.4	71.9	93.8	106.3	117.3	128.2	150.1	151.7	145.4
97.5°	37.5	51.6	82.9	117.3	156.4	176.7	192.4	225.2	259.6	281.5	308.1
100°	62.6	82.9	123.5	170.5	215.8	242.4	267.4	314.3	356.6	394.1	434.8
102.5°	92.3	115.7	165.8	223.6	279.9	309.7	336.2	391.0	448.8	498.9	542.7
105°	123.5	150.1	209.6	275.2	339.4	373.8	406.6	466.0	527.0	581.8	633.4
107.5°	158.0	186.1	250.2	323.7	395.7	434.8	470.7	534.9	599.0	658.4	713.1
110°	190.8	222.1	289.3	369.1	450.4	489.5	525.5	595.8	663.1	725.7	783.5



TEST NUMBER: P395445

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	225.2	258.0	325.3	412.9	495.8	536.4	574.0	649.0	719.4	783.5	841.4
115°	258.0	289.3	359.7	450.4	534.9	577.1	617.7	694.4	767.9	832.0	891.4
117.5°	289.3	319.0	391.0	481.7	569.3	611.5	652.1	731.9	805.4	872.7	930.5
120°	320.6	347.2	425.4	508.3	597.4	639.6	681.9	761.6	836.7	903.9	963.4
122.5°	348.8	373.8	450.4	531.7	619.3	663.1	703.8	785.1	861.7	929.0	986.8
125°	373.8	397.2	473.9	550.5	638.1	680.3	722.5	802.3	878.9	944.6	1004.0
127.5°	398.8	422.3	491.1	569.3	650.6	694.4	735.0	814.8	889.9	957.1	1015.0
130°	425.4	442.6	508.3	586.5	663.1	703.8	746.0	822.6	896.1	961.8	1019.7
132.5°	447.3	462.9	525.5	600.5	672.5	711.6	749.1	825.7	899.2	961.8	1018.1
135°	467.6	480.1	538.0	613.1	680.3	716.3	752.2	824.2	896.1	958.7	1013.4
137.5°	486.4	498.9	548.9	622.4	686.6	717.8	752.2	819.5	888.3	950.9	1002.5
140°	503.6	513.0	558.3	627.1	689.7	719.4	749.1	811.7	875.8	936.8	988.4
142.5°	520.8	528.6	566.1	630.3	691.2	719.4	747.5	802.3	861.7	921.1	972.7
145°	533.3	541.1	572.4	631.8	689.7	716.3	741.3	792.9	846.1	900.8	950.9
147.5°	547.4	553.6	578.6	628.7	685.0	710.0	733.5	780.4	828.9	878.9	925.8
150°	556.8	563.0	581.8	625.6	677.2	700.6	724.1	767.9	811.7	855.5	896.1
152.5°	566.1	570.8	586.5	620.9	667.8	689.7	711.6	753.8	794.5	833.6	869.5
155°	574.0	578.6	589.6	617.7	656.8	677.2	697.5	738.2	775.7	810.1	842.9
157.5°	581.8	584.9	592.7	613.1	644.3	663.1	681.9	717.8	752.2	786.6	813.2
160°	588.0	589.6	595.8	611.5	633.4	647.5	664.7	697.5	728.8	758.5	783.5
162.5°	594.3	594.3	599.0	608.4	624.0	633.4	645.9	674.0	702.2	728.8	752.2
165°	597.4	597.4	600.5	606.8	616.2	622.4	630.3	649.0	670.9	694.4	716.3
167.5°	600.5	600.5	602.1	605.2	611.5	614.6	617.7	630.3	644.3	661.5	678.7
170°	603.7	602.1	602.1	605.2	606.8	608.4	609.9	616.2	622.4	633.4	642.8
172.5°	603.7	602.1	602.1	603.7	603.7	603.7	603.7	605.2	606.8	613.1	616.2
175°	603.7	602.1	602.1	602.1	602.1	600.5	600.5	600.5	600.5	600.5	602.1
177.5°	603.7	602.1	600.5	600.5	599.0	599.0	597.4	597.4	595.8	595.8	595.8
180°	592.7	592.7	592.7	592.7	592.7	592.7	592.7	592.7	592.7	592.7	592.7



TEST NUMBER: P395445

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	441.0	441.0	441.0	441.0	441.0	441.0	441.0	441.0	441.0	441.0
2.5°	442.6	442.6	441.0	441.0	439.5	439.5	437.9	436.3	434.8	434.8
5°	444.1	442.6	441.0	441.0	441.0	439.5	439.5	439.5	437.9	437.9
7.5°	444.1	444.1	444.1	442.6	442.6	442.6	442.6	442.6	441.0	441.0
10°	445.7	445.7	445.7	445.7	445.7	445.7	445.7	444.1	444.1	444.1
12.5°	445.7	445.7	445.7	447.3	447.3	447.3	447.3	447.3	447.3	447.3
15°	447.3	447.3	448.8	448.8	450.4	450.4	452.0	452.0	452.0	450.4
17.5°	445.7	447.3	448.8	450.4	452.0	452.0	453.5	453.5	453.5	453.5
20°	445.7	448.8	450.4	452.0	453.5	453.5	455.1	456.7	456.7	455.1
22.5°	444.1	447.3	448.8	452.0	453.5	453.5	456.7	456.7	456.7	456.7
25°	442.6	445.7	448.8	452.0	453.5	453.5	456.7	456.7	458.2	458.2
27.5°	439.5	442.6	447.3	450.4	452.0	453.5	455.1	456.7	456.7	456.7
30°	434.8	439.5	444.1	447.3	448.8	450.4	452.0	453.5	455.1	455.1
32.5°	428.5	433.2	437.9	442.6	444.1	445.7	448.8	450.4	450.4	450.4
35°	422.3	426.9	431.6	436.3	437.9	439.5	442.6	444.1	445.7	445.7
37.5°	412.9	417.6	422.3	426.9	428.5	431.6	434.8	436.3	436.3	436.3
40°	398.8	406.6	412.9	417.6	419.1	422.3	423.8	426.9	426.9	426.9
42.5°	386.3	392.5	397.2	403.5	405.1	409.7	412.9	414.4	416.0	416.0
45°	372.2	378.5	383.2	387.8	389.4	392.5	395.7	397.2	398.8	400.4
47.5°	358.1	362.8	367.5	372.2	373.8	376.9	380.0	381.6	383.2	383.2
50°	340.9	345.6	350.3	355.0	356.6	359.7	361.3	362.8	364.4	364.4
52.5°	322.2	326.9	331.5	336.2	337.8	339.4	342.5	344.1	345.6	345.6
55°	303.4	308.1	311.2	315.9	317.5	319.0	320.6	323.7	325.3	323.7
57.5°	281.5	286.2	289.3	294.0	295.6	297.1	298.7	300.3	301.8	301.8
60°	258.0	262.7	267.4	270.6	272.1	273.7	275.2	276.8	278.4	278.4
62.5°	234.6	239.3	242.4	247.1	248.7	248.7	250.2	251.8	253.4	253.4
65°	211.1	215.8	217.4	222.1	222.1	223.6	225.2	226.8	226.8	226.8
67.5°	186.1	190.8	192.4	195.5	195.5	197.1	198.6	200.2	200.2	200.2
70°	162.6	164.2	167.3	168.9	170.5	170.5	172.0	173.6	175.2	173.6
72.5°	137.6	139.2	142.3	143.9	143.9	145.4	145.4	147.0	148.6	148.6
75°	112.6	115.7	117.3	118.9	120.4	120.4	122.0	123.5	123.5	123.5
77.5°	89.1	92.3	93.8	95.4	97.0	97.0	98.5	98.5	100.1	98.5
80°	68.8	70.4	71.9	73.5	75.1	75.1	76.6	78.2	78.2	78.2
82.5°	50.0	51.6	54.7	56.3	56.3	56.3	59.4	59.4	61.0	59.4
85°	34.4	36.0	39.1	40.7	42.2	42.2	42.2	43.8	45.4	43.8
87.5°	21.9	25.0	26.6	28.2	28.2	28.2	29.7	31.3	31.3	31.3
90°	12.5	12.5	14.1	15.6	15.6	17.2	17.2	18.8	18.8	18.8
92.5°	12.5	14.1	14.1	14.1	15.6	15.6	15.6	17.2	17.2	17.2
95°	106.3	76.6	43.8	34.4	29.7	29.7	28.2	29.7	28.2	28.2
97.5°	322.2	348.8	361.3	378.5	387.8	386.3	380.0	386.3	381.6	386.3
100°	458.2	483.2	502.0	506.7	516.1	520.8	538.0	550.5	556.8	564.6
102.5°	569.3	599.0	620.9	633.4	642.8	649.0	669.4	688.1	697.5	703.8
105°	670.9	702.2	728.8	741.3	752.2	758.5	780.4	802.3	816.4	824.2
107.5°	752.2	788.2	816.4	835.1	846.1	857.0	883.6	905.5	922.7	930.5
110°	825.7	861.7	891.4	913.3	925.8	936.8	966.5	991.5	1010.3	1019.7





TEST NUMBER: P395445

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	886.7	925.8	955.5	979.0	991.5	1007.2	1035.3	1063.5	1082.2	1093.2
115°	936.8	977.4	1008.7	1033.7	1047.8	1061.9	1094.7	1122.9	1141.7	1149.5
117.5°	979.0	1019.7	1052.5	1077.5	1093.2	1108.8	1141.7	1166.7	1187.0	1193.3
120°	1013.4	1054.1	1086.9	1115.1	1130.7	1144.8	1176.1	1202.6	1221.4	1226.1
122.5°	1036.9	1079.1	1113.5	1144.8	1158.9	1172.9	1202.6	1229.2	1246.4	1251.1
125°	1054.1	1097.9	1132.3	1165.1	1179.2	1193.3	1221.4	1248.0	1262.1	1268.3
127.5°	1065.0	1108.8	1146.3	1177.6	1193.3	1205.8	1233.9	1257.4	1271.5	1276.1
130°	1068.1	1113.5	1151.0	1183.9	1198.0	1210.5	1237.1	1260.5	1273.0	1276.1
132.5°	1068.1	1111.9	1151.0	1182.3	1196.4	1208.9	1233.9	1255.8	1268.3	1271.5
135°	1061.9	1104.1	1143.2	1174.5	1188.6	1201.1	1226.1	1244.9	1257.4	1258.9
137.5°	1050.9	1091.6	1129.1	1160.4	1174.5	1187.0	1208.9	1229.2	1240.2	1243.3
140°	1036.9	1074.4	1111.9	1141.7	1155.7	1166.7	1188.6	1205.8	1216.7	1219.8
142.5°	1018.1	1055.6	1090.0	1119.8	1130.7	1143.2	1162.0	1179.2	1188.6	1191.7
145°	997.8	1033.7	1065.0	1091.6	1104.1	1115.1	1132.3	1147.9	1157.3	1160.4
147.5°	971.2	1007.2	1036.9	1061.9	1072.8	1083.8	1099.4	1113.5	1122.9	1126.0
150°	938.3	971.2	1002.5	1025.9	1036.9	1047.8	1063.5	1076.0	1085.4	1086.9
152.5°	905.5	936.8	963.4	986.8	997.8	1008.7	1022.8	1035.3	1046.3	1046.3
155°	874.2	900.8	925.8	946.2	955.5	964.9	979.0	990.0	999.3	999.3
157.5°	841.4	866.4	886.7	905.5	913.3	921.1	933.7	943.0	950.9	949.3
160°	810.1	828.9	847.6	863.3	871.1	877.4	886.7	894.6	902.4	900.8
162.5°	775.7	792.9	808.5	819.5	825.7	830.4	839.8	847.6	852.3	852.3
165°	736.6	752.2	766.3	777.3	783.5	786.6	794.5	799.2	803.8	803.8
167.5°	695.9	708.4	721.0	730.3	736.6	739.7	747.5	750.7	756.9	755.4
170°	655.3	664.7	674.0	681.9	685.0	688.1	694.4	697.5	700.6	700.6
172.5°	622.4	625.6	630.3	636.5	636.5	638.1	641.2	642.8	644.3	644.3
175°	603.7	605.2	605.2	605.2	605.2	605.2	606.8	605.2	606.8	605.2
177.5°	595.8	595.8	594.3	594.3	592.7	594.3	592.7	591.2	591.2	589.6
180°	592.7	592.7	592.7	592.7	592.7	592.7	592.7	592.7	592.7	592.7

(END OF REPORT)