

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: P395442

Luminaire Tested: **I3-CL-60L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395442
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 (4500K)
Description: CORELITE I3, CLEAR TOP COVER
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5650.4 lumens
Efficiency: N/A
Efficacy: 125.8 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

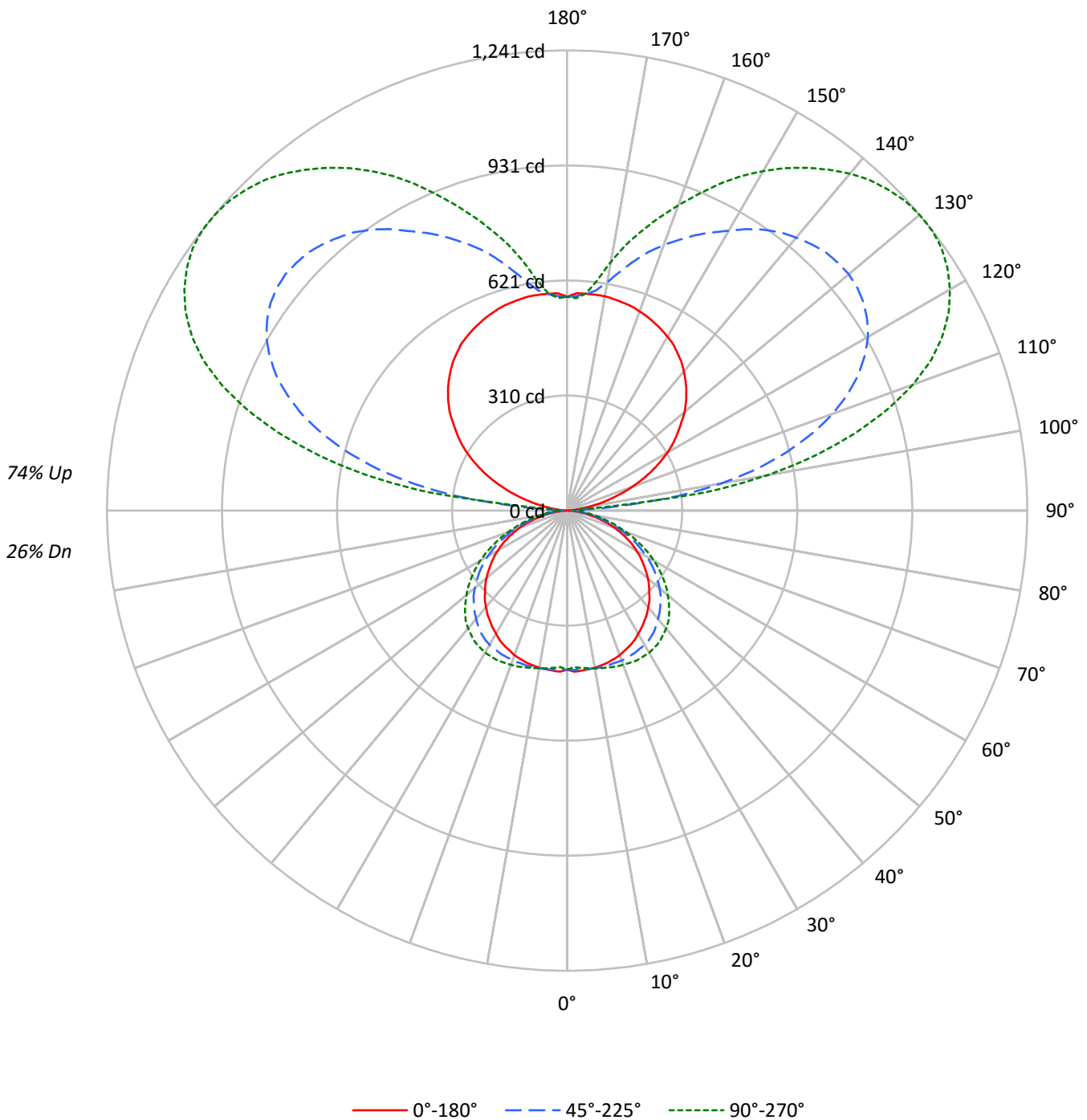
Input Watts (W): 44.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (4500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395442

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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°	2357	2357	2357
5°	2382	2320	2282
10°	2384	2302	2276
15°	2387	2294	2287
20°	2391	2295	2308
25°	2387	2297	2338
30°	2374	2301	2355
35°	2368	2288	2357
40°	2360	2239	2327
45°	2335	2185	2269
50°	2314	2113	2168
55°	2267	2007	2043
60°	2210	1865	1887
65°	2120	1675	1672
70°	1968	1427	1416
75°	1701	1134	1137
80°	1318	807	832
85°	772	498	559



TEST NUMBER: P395442

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.0	0.7
10°-20°	121.9	2.2
20°-30°	195.4	3.5
30°-40°	249.9	4.4
40°-50°	272.5	4.8
50°-60°	255.3	4.5
60°-70°	198.1	3.5
70°-80°	113.5	2.0
80°-90°	36.3	0.6
90°-100°	145.7	2.6
100°-110°	566.5	10.0
110°-120°	771.3	13.6
120°-130°	800.6	14.2
130°-140°	710.2	12.6
140°-150°	551.0	9.8
150°-160°	367.7	6.5
160°-170°	196.0	3.5
170°-180°	57.4	1.0
0°-30°	358.3	6.3
0°-40°	608.3	10.8
0°-60°	1136.1	20.1
0°-90°	1484.0	26.3
90°-120°	1483.5	26.3
90°-150°	3545.3	62.7
90°-180°	4166.0	73.7
0°-180°	5650.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	429	429	429	429	429	
5°	433	429	430	429	426	41
15°	424	423	432	438	438	120
25°	401	404	426	441	446	185
35°	363	371	404	426	433	228
45°	313	327	356	379	389	242
55°	251	265	289	309	315	224
65°	178	186	202	216	220	175
75°	93	97	106	117	120	99
85°	18	21	32	41	43	22
90°	2	5	11	15	18	2
95°	18	103	141	29	27	24
105°	120	363	616	731	801	128
115°	251	561	867	1019	1118	247
125°	363	661	976	1146	1233	325
135°	455	696	985	1156	1224	350
145°	518	696	924	1074	1128	325
155°	558	658	820	929	972	258
165°	581	605	696	762	782	164
175°	587	584	585	588	588	56
180°	576	576	576	576	576	



TEST NUMBER: P395442

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	428.8	428.8	428.8	428.8	428.8	428.8	428.8	428.8	428.8	428.8	428.8
2.5°	434.9	433.3	433.3	430.3	430.3	428.8	428.8	428.8	428.8	428.8	430.3
5°	433.3	433.3	431.8	430.3	430.3	428.8	428.8	428.8	428.8	428.8	430.3
7.5°	431.8	431.8	430.3	428.8	428.8	428.8	428.8	428.8	428.8	428.8	431.8
10°	430.3	430.3	428.8	427.3	427.3	427.3	427.3	428.8	428.8	428.8	431.8
12.5°	427.3	425.7	425.7	424.2	424.2	424.2	425.7	425.7	427.3	428.8	431.8
15°	424.2	424.2	422.7	421.2	422.7	422.7	422.7	424.2	425.7	427.3	431.8
17.5°	419.7	419.7	418.1	418.1	418.1	419.7	419.7	421.2	424.2	427.3	430.3
20°	415.1	413.6	413.6	413.6	415.1	415.1	416.6	419.7	421.2	425.7	430.3
22.5°	407.5	409.0	407.5	407.5	409.0	410.5	412.1	415.1	418.1	422.7	427.3
25°	401.4	401.4	401.4	401.4	404.5	404.5	407.5	410.5	415.1	419.7	425.7
27.5°	393.8	393.8	393.8	395.3	396.9	398.4	399.9	404.5	409.0	415.1	421.2
30°	383.2	383.2	383.2	383.2	387.7	389.2	392.3	398.4	402.9	410.5	418.1
32.5°	374.0	374.0	374.0	375.6	378.6	380.1	383.2	390.8	396.9	404.5	412.1
35°	363.4	363.4	364.9	364.9	369.5	371.0	374.0	380.1	386.2	395.3	404.5
37.5°	352.8	352.8	354.3	355.8	358.8	361.9	364.9	371.0	377.1	384.7	393.8
40°	340.6	340.6	342.1	343.6	348.2	351.2	354.3	360.4	366.4	374.0	381.6
42.5°	328.4	328.4	329.9	331.5	336.0	339.1	342.1	349.7	355.8	363.4	369.5
45°	313.2	314.7	316.3	319.3	323.9	326.9	329.9	336.0	343.6	349.7	355.8
47.5°	299.5	301.1	302.6	305.6	310.2	313.2	316.3	322.3	328.4	334.5	342.1
50°	284.3	285.9	287.4	290.4	295.0	298.0	301.1	307.1	313.2	317.8	325.4
52.5°	267.6	269.1	270.7	273.7	279.8	281.3	284.3	290.4	295.0	301.1	307.1
55°	250.9	252.4	253.9	257.0	261.5	264.6	266.1	272.2	276.7	282.8	288.9
57.5°	234.2	235.7	237.2	240.2	243.3	246.3	247.8	252.4	258.5	263.0	269.1
60°	215.9	217.4	219.0	220.5	225.0	226.6	228.1	232.6	237.2	243.3	247.8
62.5°	197.7	197.7	199.2	200.7	205.3	206.8	208.3	211.4	217.4	220.5	225.0
65°	177.9	177.9	179.4	180.9	184.0	185.5	187.0	190.1	194.6	197.7	202.2
67.5°	156.6	156.6	158.1	159.7	162.7	164.2	164.2	168.8	171.8	174.9	177.9
70°	136.8	136.8	138.4	138.4	139.9	141.4	142.9	146.0	147.5	152.1	153.6
72.5°	115.6	115.6	115.6	115.6	118.6	118.6	120.1	123.2	124.7	127.7	130.8
75°	92.8	92.8	94.3	94.3	95.8	97.3	98.8	100.4	103.4	104.9	106.4
77.5°	73.0	71.5	73.0	74.5	76.0	76.0	77.5	79.1	80.6	83.6	85.1
80°	51.7	51.7	51.7	53.2	54.7	54.7	56.3	57.8	59.3	62.3	63.9
82.5°	33.5	33.5	35.0	35.0	36.5	38.0	38.0	39.5	41.1	44.1	45.6
85°	18.2	18.2	18.2	19.8	21.3	21.3	22.8	24.3	27.4	28.9	31.9
87.5°	6.1	6.1	7.6	9.1	10.6	10.6	12.2	13.7	15.2	18.2	19.8
90°	1.5	1.5	1.5	3.0	3.0	4.6	4.6	6.1	7.6	9.1	10.6
92.5°	6.1	10.6	16.7	24.3	22.8	24.3	16.7	10.6	10.6	10.6	12.2
95°	18.2	27.4	44.1	69.9	91.2	103.4	114.0	124.7	146.0	147.5	141.4
97.5°	36.5	50.2	80.6	114.0	152.1	171.8	187.0	219.0	252.4	273.7	299.5
100°	60.8	80.6	120.1	165.7	209.8	235.7	260.0	305.6	346.7	383.2	422.7
102.5°	89.7	112.5	161.2	217.4	272.2	301.1	326.9	380.1	436.4	485.0	527.6
105°	120.1	146.0	203.7	267.6	329.9	363.4	395.3	453.1	512.4	565.6	615.8
107.5°	153.6	180.9	243.3	314.7	384.7	422.7	457.7	520.0	582.4	640.1	693.4
110°	185.5	215.9	281.3	358.8	437.9	475.9	510.9	579.3	644.7	705.5	761.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	219.0	250.9	316.3	401.4	482.0	521.5	558.0	631.0	699.4	761.8	818.0
115°	250.9	281.3	349.7	437.9	520.0	561.1	600.6	675.1	746.6	808.9	866.7
117.5°	281.3	310.2	380.1	468.3	553.5	594.5	634.1	711.6	783.1	848.4	904.7
120°	311.7	337.6	413.6	494.2	580.8	621.9	662.9	740.5	813.5	878.9	936.6
122.5°	339.1	363.4	437.9	517.0	602.1	644.7	684.2	763.3	837.8	903.2	959.4
125°	363.4	386.2	460.7	535.2	620.4	661.4	702.5	780.0	854.5	918.4	976.2
127.5°	387.7	410.5	477.4	553.5	632.5	675.1	714.6	792.2	865.2	930.5	986.8
130°	413.6	430.3	494.2	570.2	644.7	684.2	725.3	799.8	871.3	935.1	991.4
132.5°	434.9	450.1	510.9	583.9	653.8	691.8	728.3	802.8	874.3	935.1	989.8
135°	454.6	466.8	523.1	596.0	661.4	696.4	731.4	801.3	871.3	932.1	985.3
137.5°	472.9	485.0	533.7	605.2	667.5	697.9	731.4	796.7	863.6	924.5	974.6
140°	489.6	498.7	542.8	609.7	670.5	699.4	728.3	789.1	851.5	910.8	961.0
142.5°	506.3	513.9	550.4	612.8	672.1	699.4	726.8	780.0	837.8	895.6	945.8
145°	518.5	526.1	556.5	614.3	670.5	696.4	720.7	770.9	822.6	875.8	924.5
147.5°	532.2	538.3	562.6	611.2	666.0	690.3	713.1	758.7	805.9	854.5	900.1
150°	541.3	547.4	565.6	608.2	658.4	681.2	704.0	746.6	789.1	831.7	871.3
152.5°	550.4	555.0	570.2	603.6	649.3	670.5	691.8	732.9	772.4	810.4	845.4
155°	558.0	562.6	573.2	600.6	638.6	658.4	678.1	717.7	754.2	787.6	819.6
157.5°	565.6	568.7	576.3	596.0	626.4	644.7	662.9	697.9	731.4	764.8	790.7
160°	571.7	573.2	579.3	594.5	615.8	629.5	646.2	678.1	708.6	737.4	761.8
162.5°	577.8	577.8	582.4	591.5	606.7	615.8	628.0	655.3	682.7	708.6	731.4
165°	580.8	580.8	583.9	590.0	599.1	605.2	612.8	631.0	652.3	675.1	696.4
167.5°	583.9	583.9	585.4	588.4	594.5	597.6	600.6	612.8	626.4	643.2	659.9
170°	586.9	585.4	585.4	588.4	590.0	591.5	593.0	599.1	605.2	615.8	624.9
172.5°	586.9	585.4	585.4	586.9	586.9	586.9	586.9	588.4	590.0	596.0	599.1
175°	586.9	585.4	585.4	585.4	585.4	583.9	583.9	583.9	583.9	583.9	585.4
177.5°	586.9	585.4	583.9	583.9	582.4	582.4	580.8	580.8	579.3	579.3	579.3
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	428.8	428.8	428.8	428.8	428.8	428.8	428.8	428.8	428.8	428.8
2.5°	430.3	430.3	428.8	428.8	427.3	427.3	425.7	424.2	422.7	422.7
5°	431.8	430.3	428.8	428.8	428.8	427.3	427.3	427.3	425.7	425.7
7.5°	431.8	431.8	431.8	430.3	430.3	430.3	430.3	430.3	428.8	428.8
10°	433.3	433.3	433.3	433.3	433.3	433.3	433.3	431.8	431.8	431.8
12.5°	433.3	433.3	433.3	434.9	434.9	434.9	434.9	434.9	434.9	434.9
15°	434.9	434.9	436.4	436.4	437.9	437.9	439.4	439.4	439.4	437.9
17.5°	433.3	434.9	436.4	437.9	439.4	439.4	440.9	440.9	440.9	440.9
20°	433.3	436.4	437.9	439.4	440.9	440.9	442.5	444.0	444.0	442.5
22.5°	431.8	434.9	436.4	439.4	440.9	440.9	444.0	444.0	444.0	444.0
25°	430.3	433.3	436.4	439.4	440.9	440.9	444.0	444.0	445.5	445.5
27.5°	427.3	430.3	434.9	437.9	439.4	440.9	442.5	444.0	444.0	444.0
30°	422.7	427.3	431.8	434.9	436.4	437.9	439.4	440.9	442.5	442.5
32.5°	416.6	421.2	425.7	430.3	431.8	433.3	436.4	437.9	437.9	437.9
35°	410.5	415.1	419.7	424.2	425.7	427.3	430.3	431.8	433.3	433.3
37.5°	401.4	406.0	410.5	415.1	416.6	419.7	422.7	424.2	424.2	424.2
40°	387.7	395.3	401.4	406.0	407.5	410.5	412.1	415.1	415.1	415.1
42.5°	375.6	381.6	386.2	392.3	393.8	398.4	401.4	402.9	404.5	404.5
45°	361.9	368.0	372.5	377.1	378.6	381.6	384.7	386.2	387.7	389.2
47.5°	348.2	352.8	357.3	361.9	363.4	366.4	369.5	371.0	372.5	372.5
50°	331.5	336.0	340.6	345.2	346.7	349.7	351.2	352.8	354.3	354.3
52.5°	313.2	317.8	322.3	326.9	328.4	329.9	333.0	334.5	336.0	336.0
55°	295.0	299.5	302.6	307.1	308.7	310.2	311.7	314.7	316.3	314.7
57.5°	273.7	278.3	281.3	285.9	287.4	288.9	290.4	291.9	293.5	293.5
60°	250.9	255.4	260.0	263.0	264.6	266.1	267.6	269.1	270.7	270.7
62.5°	228.1	232.6	235.7	240.2	241.8	241.8	243.3	244.8	246.3	246.3
65°	205.3	209.8	211.4	215.9	215.9	217.4	219.0	220.5	220.5	220.5
67.5°	180.9	185.5	187.0	190.1	190.1	191.6	193.1	194.6	194.6	194.6
70°	158.1	159.7	162.7	164.2	165.7	165.7	167.3	168.8	170.3	168.8
72.5°	133.8	135.3	138.4	139.9	139.9	141.4	141.4	142.9	144.4	144.4
75°	109.5	112.5	114.0	115.6	117.1	117.1	118.6	120.1	120.1	120.1
77.5°	86.7	89.7	91.2	92.8	94.3	94.3	95.8	95.8	97.3	95.8
80°	66.9	68.4	69.9	71.5	73.0	73.0	74.5	76.0	76.0	76.0
82.5°	48.7	50.2	53.2	54.7	54.7	54.7	57.8	57.8	59.3	57.8
85°	33.5	35.0	38.0	39.5	41.1	41.1	41.1	42.6	44.1	42.6
87.5°	21.3	24.3	25.8	27.4	27.4	27.4	28.9	30.4	30.4	30.4
90°	12.2	12.2	13.7	15.2	15.2	16.7	16.7	18.2	18.2	18.2
92.5°	12.2	13.7	13.7	13.7	15.2	15.2	15.2	16.7	16.7	16.7
95°	103.4	74.5	42.6	33.5	28.9	28.9	27.4	28.9	27.4	27.4
97.5°	313.2	339.1	351.2	368.0	377.1	375.6	369.5	375.6	371.0	375.6
100°	445.5	469.8	488.1	492.6	501.8	506.3	523.1	535.2	541.3	548.9
102.5°	553.5	582.4	603.6	615.8	624.9	631.0	650.8	669.0	678.1	684.2
105°	652.3	682.7	708.6	720.7	731.4	737.4	758.7	780.0	793.7	801.3
107.5°	731.4	766.3	793.7	812.0	822.6	833.2	859.1	880.4	897.1	904.7
110°	802.8	837.8	866.7	888.0	900.1	910.8	939.7	964.0	982.2	991.4



TEST NUMBER: P395442

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	862.1	900.1	929.0	951.8	964.0	979.2	1006.6	1033.9	1052.2	1062.8
115°	910.8	950.3	980.7	1005.1	1018.7	1032.4	1064.4	1091.7	1110.0	1117.6
117.5°	951.8	991.4	1023.3	1047.6	1062.8	1078.0	1110.0	1134.3	1154.1	1160.1
120°	985.3	1024.8	1056.8	1084.1	1099.3	1113.0	1143.4	1169.3	1187.5	1192.1
122.5°	1008.1	1049.1	1082.6	1113.0	1126.7	1140.4	1169.3	1195.1	1211.8	1216.4
125°	1024.8	1067.4	1100.8	1132.8	1146.5	1160.1	1187.5	1213.4	1227.0	1233.1
127.5°	1035.5	1078.0	1114.5	1144.9	1160.1	1172.3	1199.7	1222.5	1236.2	1240.7
130°	1038.5	1082.6	1119.1	1151.0	1164.7	1176.9	1202.7	1225.5	1237.7	1240.7
132.5°	1038.5	1081.1	1119.1	1149.5	1163.2	1175.4	1199.7	1221.0	1233.1	1236.2
135°	1032.4	1073.5	1111.5	1141.9	1155.6	1167.7	1192.1	1210.3	1222.5	1224.0
137.5°	1021.8	1061.3	1097.8	1128.2	1141.9	1154.1	1175.4	1195.1	1205.8	1208.8
140°	1008.1	1044.6	1081.1	1110.0	1123.7	1134.3	1155.6	1172.3	1183.0	1186.0
142.5°	989.8	1026.3	1059.8	1088.7	1099.3	1111.5	1129.7	1146.5	1155.6	1158.6
145°	970.1	1005.1	1035.5	1061.3	1073.5	1084.1	1100.8	1116.1	1125.2	1128.2
147.5°	944.2	979.2	1008.1	1032.4	1043.1	1053.7	1068.9	1082.6	1091.7	1094.8
150°	912.3	944.2	974.6	997.5	1008.1	1018.7	1033.9	1046.1	1055.2	1056.8
152.5°	880.4	910.8	936.6	959.4	970.1	980.7	994.4	1006.6	1017.2	1017.2
155°	850.0	875.8	900.1	919.9	929.0	938.2	951.8	962.5	971.6	971.6
157.5°	818.0	842.4	862.1	880.4	888.0	895.6	907.7	916.9	924.5	922.9
160°	787.6	805.9	824.1	839.3	846.9	853.0	862.1	869.7	877.3	875.8
162.5°	754.2	770.9	786.1	796.7	802.8	807.4	816.5	824.1	828.7	828.7
165°	716.2	731.4	745.0	755.7	761.8	764.8	772.4	777.0	781.5	781.5
167.5°	676.6	688.8	701.0	710.1	716.2	719.2	726.8	729.8	735.9	734.4
170°	637.1	646.2	655.3	662.9	666.0	669.0	675.1	678.1	681.2	681.2
172.5°	605.2	608.2	612.8	618.8	618.8	620.4	623.4	624.9	626.4	626.4
175°	586.9	588.4	588.4	588.4	588.4	588.4	590.0	588.4	590.0	588.4
177.5°	579.3	579.3	577.8	577.8	576.3	577.8	576.3	574.8	574.8	573.2
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3

(END OF REPORT)