

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: P395438

Luminaire Tested: **I3-CL-60L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395438
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 (2700K)
Description: CORELITE I3, CLEAR TOP COVER
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5105.4 lumens
Efficiency: N/A
Efficacy: 115.8 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

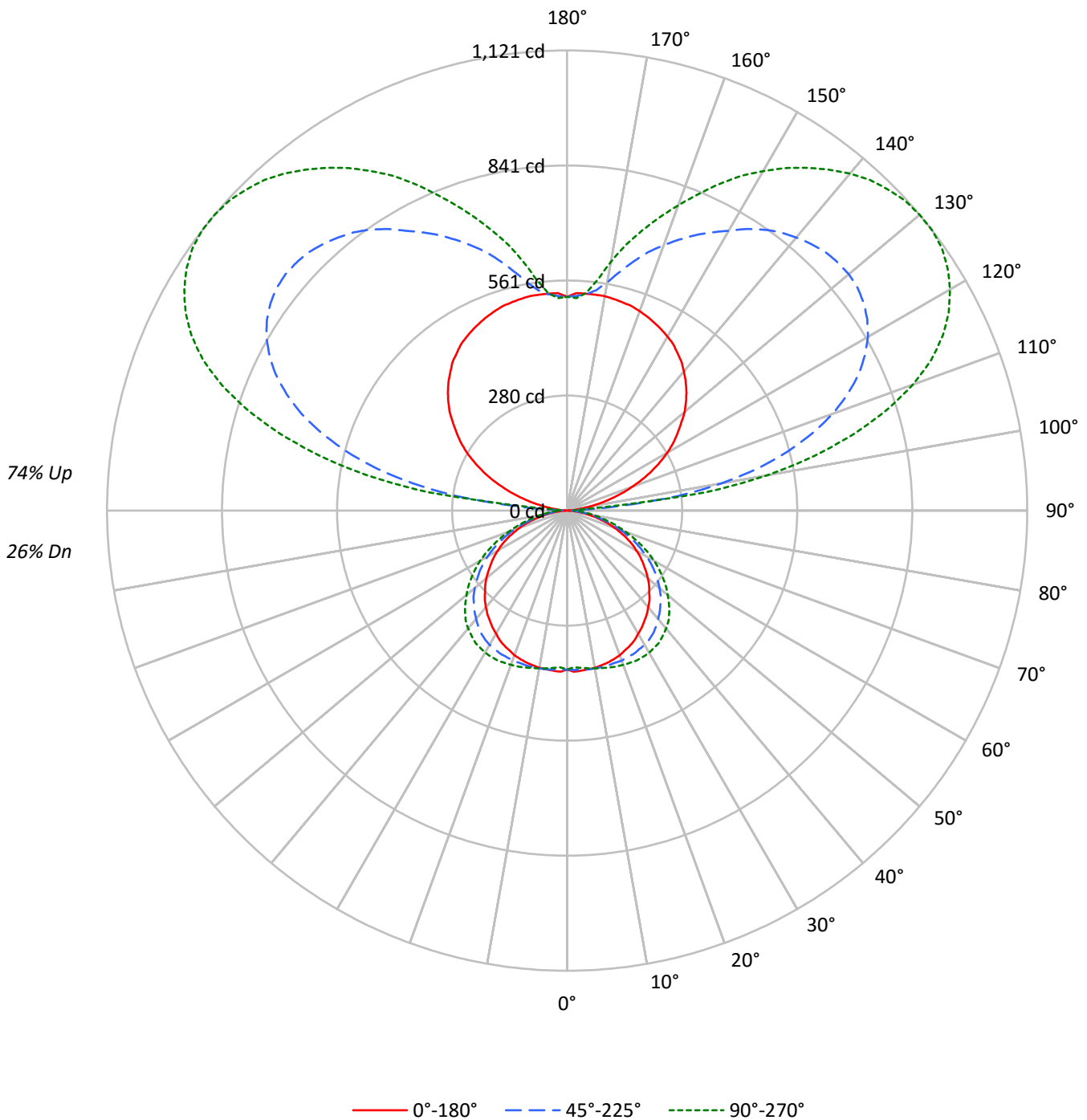
Input Watts (W): 44.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (2700K)

Luminous Intensity Polar Plot





TEST NUMBER: P395438

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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°	2129	2129	2129
5°	2152	2096	2062
10°	2154	2080	2057
15°	2157	2073	2067
20°	2161	2074	2085
25°	2157	2076	2113
30°	2145	2079	2128
35°	2139	2067	2130
40°	2132	2023	2103
45°	2110	1974	2050
50°	2091	1909	1959
55°	2048	1813	1846
60°	1997	1685	1704
65°	1915	1513	1511
70°	1778	1289	1279
75°	1536	1026	1027
80°	1191	728	752
85°	700	451	505



TEST NUMBER: P395438

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (2700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.1	0.7
10°-20°	110.1	2.2
20°-30°	176.6	3.5
30°-40°	225.8	4.4
40°-50°	246.2	4.8
50°-60°	230.7	4.5
60°-70°	179.0	3.5
70°-80°	102.6	2.0
80°-90°	32.8	0.6
90°-100°	131.7	2.6
100°-110°	511.9	10.0
110°-120°	696.9	13.6
120°-130°	723.4	14.2
130°-140°	641.7	12.6
140°-150°	497.9	9.8
150°-160°	332.3	6.5
160°-170°	177.1	3.5
170°-180°	51.8	1.0
0°-30°	323.8	6.3
0°-40°	549.6	10.8
0°-60°	1026.5	20.1
0°-90°	1340.9	26.3
90°-120°	1340.4	26.3
90°-150°	3203.3	62.7
90°-180°	3765.0	73.7
0°-180°	5105.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	387	387	387	387	387	
5°	392	387	389	387	385	37
15°	383	382	390	396	396	108
25°	363	365	385	398	402	167
35°	328	335	365	385	392	206
45°	283	295	322	342	352	219
55°	227	239	261	279	284	203
65°	161	168	183	195	199	158
75°	84	88	96	106	108	89
85°	16	19	29	37	38	20
90°	1	4	10	14	16	2
95°	16	93	128	26	25	22
105°	108	328	556	661	724	116
115°	227	507	783	920	1010	223
125°	328	598	882	1036	1114	294
135°	411	629	890	1044	1106	317
145°	468	629	835	970	1019	294
155°	504	595	740	839	878	233
165°	525	547	629	688	706	148
175°	530	528	529	532	532	51
180°	521	521	521	521	521	



TEST NUMBER: P395438

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4
2.5°	392.9	391.5	391.5	388.8	388.8	387.4	387.4	387.4	387.4	387.4	388.8
5°	391.5	391.5	390.2	388.8	388.8	387.4	387.4	387.4	387.4	387.4	388.8
7.5°	390.2	390.2	388.8	387.4	387.4	387.4	387.4	387.4	387.4	387.4	390.2
10°	388.8	388.8	387.4	386.0	386.0	386.0	386.0	387.4	387.4	387.4	390.2
12.5°	386.0	384.7	384.7	383.3	383.3	383.3	384.7	384.7	386.0	387.4	390.2
15°	383.3	383.3	381.9	380.6	381.9	381.9	381.9	383.3	384.7	386.0	390.2
17.5°	379.2	379.2	377.8	377.8	377.8	379.2	379.2	380.6	383.3	386.0	388.8
20°	375.1	373.7	373.7	373.7	375.1	375.1	376.4	379.2	380.6	384.7	388.8
22.5°	368.2	369.6	368.2	368.2	369.6	370.9	372.3	375.1	377.8	381.9	386.0
25°	362.7	362.7	362.7	362.7	365.4	365.4	368.2	370.9	375.1	379.2	384.7
27.5°	355.8	355.8	355.8	357.2	358.6	359.9	361.3	365.4	369.6	375.1	380.6
30°	346.2	346.2	346.2	346.2	350.3	351.7	354.5	359.9	364.1	370.9	377.8
32.5°	338.0	338.0	338.0	339.3	342.1	343.5	346.2	353.1	358.6	365.4	372.3
35°	328.3	328.3	329.7	329.7	333.8	335.2	338.0	343.5	349.0	357.2	365.4
37.5°	318.7	318.7	320.1	321.5	324.2	327.0	329.7	335.2	340.7	347.6	355.8
40°	307.7	307.7	309.1	310.5	314.6	317.4	320.1	325.6	331.1	338.0	344.8
42.5°	296.8	296.8	298.1	299.5	303.6	306.4	309.1	316.0	321.5	328.3	333.8
45°	283.0	284.4	285.8	288.5	292.6	295.4	298.1	303.6	310.5	316.0	321.5
47.5°	270.6	272.0	273.4	276.1	280.3	283.0	285.8	291.3	296.8	302.2	309.1
50°	256.9	258.3	259.7	262.4	266.5	269.3	272.0	277.5	283.0	287.1	294.0
52.5°	241.8	243.2	244.5	247.3	252.8	254.2	256.9	262.4	266.5	272.0	277.5
55°	226.7	228.1	229.4	232.2	236.3	239.0	240.4	245.9	250.0	255.5	261.0
57.5°	211.6	212.9	214.3	217.1	219.8	222.6	223.9	228.1	233.6	237.7	243.2
60°	195.1	196.5	197.8	199.2	203.3	204.7	206.1	210.2	214.3	219.8	223.9
62.5°	178.6	178.6	180.0	181.3	185.5	186.8	188.2	191.0	196.5	199.2	203.3
65°	160.7	160.7	162.1	163.5	166.2	167.6	169.0	171.7	175.9	178.6	182.7
67.5°	141.5	141.5	142.9	144.3	147.0	148.4	148.4	152.5	155.2	158.0	160.7
70°	123.6	123.6	125.0	125.0	126.4	127.8	129.1	131.9	133.3	137.4	138.8
72.5°	104.4	104.4	104.4	104.4	107.2	107.2	108.5	111.3	112.7	115.4	118.2
75°	83.8	83.8	85.2	85.2	86.6	87.9	89.3	90.7	93.4	94.8	96.2
77.5°	65.9	64.6	65.9	67.3	68.7	68.7	70.1	71.4	72.8	75.6	76.9
80°	46.7	46.7	46.7	48.1	49.5	49.5	50.8	52.2	53.6	56.3	57.7
82.5°	30.2	30.2	31.6	31.6	33.0	34.3	34.3	35.7	37.1	39.8	41.2
85°	16.5	16.5	16.5	17.9	19.2	19.2	20.6	22.0	24.7	26.1	28.9
87.5°	5.5	5.5	6.9	8.2	9.6	9.6	11.0	12.4	13.7	16.5	17.9
90°	1.4	1.4	1.4	2.7	2.7	4.1	4.1	5.5	6.9	8.2	9.6
92.5°	5.5	9.6	15.1	22.0	20.6	22.0	15.1	9.6	9.6	9.6	11.0
95°	16.5	24.7	39.8	63.2	82.4	93.4	103.0	112.7	131.9	133.3	127.8
97.5°	33.0	45.3	72.8	103.0	137.4	155.2	169.0	197.8	228.1	247.3	270.6
100°	55.0	72.8	108.5	149.7	189.6	212.9	234.9	276.1	313.2	346.2	381.9
102.5°	81.1	101.7	145.6	196.5	245.9	272.0	295.4	343.5	394.3	438.3	476.7
105°	108.5	131.9	184.1	241.8	298.1	328.3	357.2	409.4	463.0	511.1	556.4
107.5°	138.8	163.5	219.8	284.4	347.6	381.9	413.5	469.9	526.2	578.4	626.5
110°	167.6	195.1	254.2	324.2	395.7	430.0	461.6	523.4	582.5	637.5	688.3



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CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	197.8	226.7	285.8	362.7	435.5	471.2	504.2	570.1	632.0	688.3	739.1
115°	226.7	254.2	316.0	395.7	469.9	506.9	542.7	610.0	674.6	730.9	783.1
117.5°	254.2	280.3	343.5	423.1	500.1	537.2	572.9	643.0	707.5	766.6	817.4
120°	281.6	305.0	373.7	446.5	524.8	561.9	599.0	669.1	735.0	794.1	846.3
122.5°	306.4	328.3	395.7	467.1	544.0	582.5	618.2	689.7	757.0	816.1	866.9
125°	328.3	349.0	416.3	483.6	560.5	597.6	634.7	704.8	772.1	829.8	882.0
127.5°	350.3	370.9	431.4	500.1	571.5	610.0	645.7	715.8	781.7	840.8	891.6
130°	373.7	388.8	446.5	515.2	582.5	618.2	655.3	722.6	787.2	844.9	895.7
132.5°	392.9	406.7	461.6	527.6	590.8	625.1	658.1	725.4	790.0	844.9	894.4
135°	410.8	421.8	472.6	538.5	597.6	629.2	660.8	724.0	787.2	842.2	890.3
137.5°	427.3	438.3	482.2	546.8	603.1	630.6	660.8	719.9	780.3	835.3	880.6
140°	442.4	450.6	490.5	550.9	605.9	632.0	658.1	713.0	769.4	822.9	868.3
142.5°	457.5	464.4	497.3	553.7	607.2	632.0	656.7	704.8	757.0	809.2	854.5
145°	468.5	475.3	502.8	555.0	605.9	629.2	651.2	696.5	743.2	791.3	835.3
147.5°	480.8	486.3	508.3	552.3	601.7	623.7	644.3	685.5	728.1	772.1	813.3
150°	489.1	494.6	511.1	549.5	594.9	615.5	636.1	674.6	713.0	751.5	787.2
152.5°	497.3	501.5	515.2	545.4	586.6	605.9	625.1	662.2	697.9	732.3	763.9
155°	504.2	508.3	517.9	542.7	577.0	594.9	612.7	648.5	681.4	711.7	740.5
157.5°	511.1	513.8	520.7	538.5	566.0	582.5	599.0	630.6	660.8	691.0	714.4
160°	516.6	517.9	523.4	537.2	556.4	568.8	583.9	612.7	640.2	666.3	688.3
162.5°	522.1	522.1	526.2	534.4	548.2	556.4	567.4	592.1	616.9	640.2	660.8
165°	524.8	524.8	527.6	533.1	541.3	546.8	553.7	570.1	589.4	610.0	629.2
167.5°	527.6	527.6	528.9	531.7	537.2	539.9	542.7	553.7	566.0	581.1	596.2
170°	530.3	528.9	528.9	531.7	533.1	534.4	535.8	541.3	546.8	556.4	564.6
172.5°	530.3	528.9	528.9	530.3	530.3	530.3	530.3	531.7	533.1	538.5	541.3
175°	530.3	528.9	528.9	528.9	528.9	527.6	527.6	527.6	527.6	527.6	528.9
177.5°	530.3	528.9	527.6	527.6	526.2	526.2	524.8	524.8	523.4	523.4	523.4
180°	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7



TEST NUMBER: P395438

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4	387.4
2.5°	388.8	388.8	387.4	387.4	386.0	386.0	384.7	383.3	381.9	381.9
5°	390.2	388.8	387.4	387.4	387.4	386.0	386.0	386.0	384.7	384.7
7.5°	390.2	390.2	390.2	388.8	388.8	388.8	388.8	388.8	387.4	387.4
10°	391.5	391.5	391.5	391.5	391.5	391.5	391.5	390.2	390.2	390.2
12.5°	391.5	391.5	391.5	392.9	392.9	392.9	392.9	392.9	392.9	392.9
15°	392.9	392.9	394.3	394.3	395.7	395.7	397.0	397.0	397.0	395.7
17.5°	391.5	392.9	394.3	395.7	397.0	397.0	398.4	398.4	398.4	398.4
20°	391.5	394.3	395.7	397.0	398.4	398.4	399.8	401.2	401.2	399.8
22.5°	390.2	392.9	394.3	397.0	398.4	398.4	401.2	401.2	401.2	401.2
25°	388.8	391.5	394.3	397.0	398.4	398.4	401.2	401.2	402.5	402.5
27.5°	386.0	388.8	392.9	395.7	397.0	398.4	399.8	401.2	401.2	401.2
30°	381.9	386.0	390.2	392.9	394.3	395.7	397.0	398.4	399.8	399.8
32.5°	376.4	380.6	384.7	388.8	390.2	391.5	394.3	395.7	395.7	395.7
35°	370.9	375.1	379.2	383.3	384.7	386.0	388.8	390.2	391.5	391.5
37.5°	362.7	366.8	370.9	375.1	376.4	379.2	381.9	383.3	383.3	383.3
40°	350.3	357.2	362.7	366.8	368.2	370.9	372.3	375.1	375.1	375.1
42.5°	339.3	344.8	349.0	354.5	355.8	359.9	362.7	364.1	365.4	365.4
45°	327.0	332.5	336.6	340.7	342.1	344.8	347.6	349.0	350.3	351.7
47.5°	314.6	318.7	322.9	327.0	328.3	331.1	333.8	335.2	336.6	336.6
50°	299.5	303.6	307.7	311.9	313.2	316.0	317.4	318.7	320.1	320.1
52.5°	283.0	287.1	291.3	295.4	296.8	298.1	300.9	302.2	303.6	303.6
55°	266.5	270.6	273.4	277.5	278.9	280.3	281.6	284.4	285.8	284.4
57.5°	247.3	251.4	254.2	258.3	259.7	261.0	262.4	263.8	265.2	265.2
60°	226.7	230.8	234.9	237.7	239.0	240.4	241.8	243.2	244.5	244.5
62.5°	206.1	210.2	212.9	217.1	218.4	218.4	219.8	221.2	222.6	222.6
65°	185.5	189.6	191.0	195.1	195.1	196.5	197.8	199.2	199.2	199.2
67.5°	163.5	167.6	169.0	171.7	171.7	173.1	174.5	175.9	175.9	175.9
70°	142.9	144.3	147.0	148.4	149.7	149.7	151.1	152.5	153.9	152.5
72.5°	120.9	122.3	125.0	126.4	126.4	127.8	127.8	129.1	130.5	130.5
75°	98.9	101.7	103.0	104.4	105.8	105.8	107.2	108.5	108.5	108.5
77.5°	78.3	81.1	82.4	83.8	85.2	85.2	86.6	86.6	87.9	86.6
80°	60.4	61.8	63.2	64.6	65.9	65.9	67.3	68.7	68.7	68.7
82.5°	44.0	45.3	48.1	49.5	49.5	49.5	52.2	52.2	53.6	52.2
85°	30.2	31.6	34.3	35.7	37.1	37.1	37.1	38.5	39.8	38.5
87.5°	19.2	22.0	23.4	24.7	24.7	24.7	26.1	27.5	27.5	27.5
90°	11.0	11.0	12.4	13.7	13.7	15.1	15.1	16.5	16.5	16.5
92.5°	11.0	12.4	12.4	12.4	13.7	13.7	13.7	15.1	15.1	15.1
95°	93.4	67.3	38.5	30.2	26.1	26.1	24.7	26.1	24.7	24.7
97.5°	283.0	306.4	317.4	332.5	340.7	339.3	333.8	339.3	335.2	339.3
100°	402.5	424.5	441.0	445.1	453.4	457.5	472.6	483.6	489.1	496.0
102.5°	500.1	526.2	545.4	556.4	564.6	570.1	588.0	604.5	612.7	618.2
105°	589.4	616.9	640.2	651.2	660.8	666.3	685.5	704.8	717.1	724.0
107.5°	660.8	692.4	717.1	733.6	743.2	752.9	776.2	795.5	810.6	817.4
110°	725.4	757.0	783.1	802.3	813.3	822.9	849.0	871.0	887.5	895.7



TEST NUMBER: P395438

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	779.0	813.3	839.4	860.0	871.0	884.8	909.5	934.2	950.7	960.3
115°	822.9	858.7	886.1	908.1	920.5	932.8	961.7	986.4	1002.9	1009.8
117.5°	860.0	895.7	924.6	946.6	960.3	974.1	1002.9	1024.9	1042.7	1048.2
120°	890.3	926.0	954.8	979.6	993.3	1005.7	1033.1	1056.5	1073.0	1077.1
122.5°	910.9	948.0	978.2	1005.7	1018.0	1030.4	1056.5	1079.8	1095.0	1099.1
125°	926.0	964.4	994.7	1023.5	1035.9	1048.2	1073.0	1096.3	1108.7	1114.2
127.5°	935.6	974.1	1007.0	1034.5	1048.2	1059.2	1084.0	1104.6	1116.9	1121.1
130°	938.3	978.2	1011.1	1040.0	1052.4	1063.4	1086.7	1107.3	1118.3	1121.1
132.5°	938.3	976.8	1011.1	1038.6	1051.0	1062.0	1084.0	1103.2	1114.2	1116.9
135°	932.8	969.9	1004.3	1031.8	1044.1	1055.1	1077.1	1093.6	1104.6	1105.9
137.5°	923.2	958.9	991.9	1019.4	1031.8	1042.7	1062.0	1079.8	1089.5	1092.2
140°	910.9	943.8	976.8	1002.9	1015.3	1024.9	1044.1	1059.2	1068.8	1071.6
142.5°	894.4	927.3	957.6	983.7	993.3	1004.3	1020.8	1035.9	1044.1	1046.9
145°	876.5	908.1	935.6	958.9	969.9	979.6	994.7	1008.4	1016.6	1019.4
147.5°	853.2	884.8	910.9	932.8	942.5	952.1	965.8	978.2	986.4	989.2
150°	824.3	853.2	880.6	901.2	910.9	920.5	934.2	945.2	953.4	954.8
152.5°	795.5	822.9	846.3	866.9	876.5	886.1	898.5	909.5	919.1	919.1
155°	768.0	791.3	813.3	831.2	839.4	847.7	860.0	869.6	877.9	877.9
157.5°	739.1	761.1	779.0	795.5	802.3	809.2	820.2	828.4	835.3	833.9
160°	711.7	728.1	744.6	758.4	765.2	770.7	779.0	785.8	792.7	791.3
162.5°	681.4	696.5	710.3	719.9	725.4	729.5	737.8	744.6	748.7	748.7
165°	647.1	660.8	673.2	682.8	688.3	691.0	697.9	702.0	706.2	706.2
167.5°	611.4	622.4	633.3	641.6	647.1	649.8	656.7	659.4	664.9	663.6
170°	575.6	583.9	592.1	599.0	601.7	604.5	610.0	612.7	615.5	615.5
172.5°	546.8	549.5	553.7	559.2	559.2	560.5	563.3	564.6	566.0	566.0
175°	530.3	531.7	531.7	531.7	531.7	531.7	533.1	531.7	533.1	531.7
177.5°	523.4	523.4	522.1	522.1	520.7	522.1	520.7	519.3	519.3	517.9
180°	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7

(END OF REPORT)