

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: P395441

Luminaire Tested: **I3-CL-60L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395441
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 (4000K)
Description: CORELITE I3, CLEAR TOP COVER
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5550.3 lumens
Efficiency: N/A
Efficacy: 124.4 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

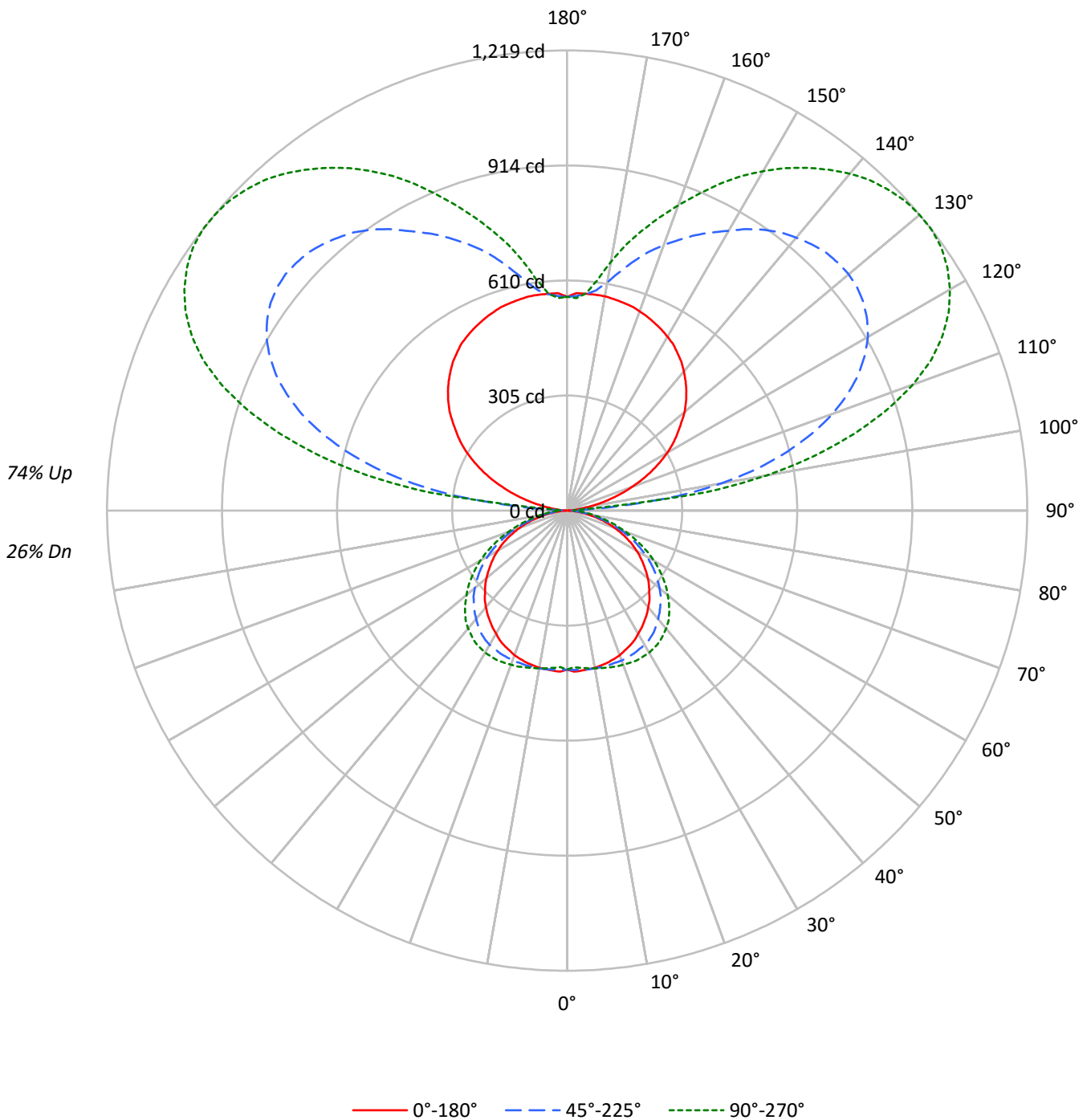
Input Watts (W): 44.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395441

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (4000K)

Luminous Intensity Polar Plot





TEST NUMBER: P395441

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (4000K)

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°	2315	2315	2315
5°	2340	2279	2242
10°	2342	2262	2236
15°	2344	2253	2247
20°	2348	2254	2267
25°	2345	2257	2297
30°	2332	2260	2313
35°	2326	2248	2316
40°	2318	2199	2286
45°	2294	2146	2229
50°	2273	2075	2130
55°	2226	1971	2007
60°	2172	1833	1853
65°	2082	1645	1643
70°	1934	1402	1391
75°	1670	1114	1117
80°	1295	792	818
85°	759	490	548



TEST NUMBER: P395441

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (4000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.3	0.7
10°-20°	119.7	2.2
20°-30°	191.9	3.5
30°-40°	245.5	4.4
40°-50°	267.7	4.8
50°-60°	250.8	4.5
60°-70°	194.6	3.5
70°-80°	111.5	2.0
80°-90°	35.7	0.6
90°-100°	143.1	2.6
100°-110°	556.5	10.0
110°-120°	757.6	13.6
120°-130°	786.4	14.2
130°-140°	697.6	12.6
140°-150°	541.3	9.8
150°-160°	361.2	6.5
160°-170°	192.5	3.5
170°-180°	56.3	1.0
0°-30°	352.0	6.3
0°-40°	597.5	10.8
0°-60°	1116.0	20.1
0°-90°	1457.8	26.3
90°-120°	1457.2	26.3
90°-150°	3482.5	62.7
90°-180°	4093.0	73.7
0°-180°	5550.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	421	421	421	421	421	
5°	426	421	423	421	418	41
15°	417	415	424	430	430	118
25°	394	397	418	433	438	182
35°	357	364	397	418	426	224
45°	308	321	350	372	382	238
55°	246	260	284	303	309	220
65°	175	182	199	212	217	172
75°	91	96	104	115	118	97
85°	18	21	31	40	42	22
90°	2	4	10	15	18	2
95°	18	102	139	28	27	24
105°	118	357	605	718	787	126
115°	246	551	851	1001	1098	243
125°	357	650	959	1126	1211	319
135°	447	684	968	1135	1202	344
145°	509	684	908	1054	1108	319
155°	548	647	805	913	954	253
165°	570	594	684	748	768	161
175°	576	574	575	578	578	55
180°	566	566	566	566	566	



TEST NUMBER: P395441

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2
2.5°	427.2	425.7	425.7	422.7	422.7	421.2	421.2	421.2	421.2	421.2	422.7
5°	425.7	425.7	424.2	422.7	422.7	421.2	421.2	421.2	421.2	421.2	422.7
7.5°	424.2	424.2	422.7	421.2	421.2	421.2	421.2	421.2	421.2	421.2	424.2
10°	422.7	422.7	421.2	419.7	419.7	419.7	419.7	421.2	421.2	421.2	424.2
12.5°	419.7	418.2	418.2	416.7	416.7	416.7	418.2	418.2	419.7	421.2	424.2
15°	416.7	416.7	415.2	413.7	415.2	415.2	415.2	416.7	418.2	419.7	424.2
17.5°	412.2	412.2	410.7	410.7	410.7	412.2	412.2	413.7	416.7	419.7	422.7
20°	407.7	406.3	406.3	406.3	407.7	407.7	409.2	412.2	413.7	418.2	422.7
22.5°	400.3	401.8	400.3	400.3	401.8	403.3	404.8	407.7	410.7	415.2	419.7
25°	394.3	394.3	394.3	394.3	397.3	397.3	400.3	403.3	407.7	412.2	418.2
27.5°	386.8	386.8	386.8	388.3	389.8	391.3	392.8	397.3	401.8	407.7	413.7
30°	376.4	376.4	376.4	376.4	380.9	382.4	385.3	391.3	395.8	403.3	410.7
32.5°	367.4	367.4	367.4	368.9	371.9	373.4	376.4	383.8	389.8	397.3	404.8
35°	357.0	357.0	358.5	358.5	362.9	364.4	367.4	373.4	379.4	388.3	397.3
37.5°	346.5	346.5	348.0	349.5	352.5	355.5	358.5	364.4	370.4	377.9	386.8
40°	334.6	334.6	336.1	337.5	342.0	345.0	348.0	354.0	359.9	367.4	374.9
42.5°	322.6	322.6	324.1	325.6	330.1	333.1	336.1	343.5	349.5	357.0	362.9
45°	307.7	309.2	310.7	313.6	318.1	321.1	324.1	330.1	337.5	343.5	349.5
47.5°	294.2	295.7	297.2	300.2	304.7	307.7	310.7	316.6	322.6	328.6	336.1
50°	279.3	280.8	282.3	285.3	289.8	292.7	295.7	301.7	307.7	312.2	319.6
52.5°	262.9	264.4	265.9	268.8	274.8	276.3	279.3	285.3	289.8	295.7	301.7
55°	246.4	247.9	249.4	252.4	256.9	259.9	261.4	267.3	271.8	277.8	283.8
57.5°	230.0	231.5	233.0	236.0	239.0	242.0	243.5	247.9	253.9	258.4	264.4
60°	212.1	213.6	215.1	216.6	221.0	222.5	224.0	228.5	233.0	239.0	243.5
62.5°	194.2	194.2	195.7	197.2	201.6	203.1	204.6	207.6	213.6	216.6	221.0
65°	174.7	174.7	176.2	177.7	180.7	182.2	183.7	186.7	191.2	194.2	198.6
67.5°	153.8	153.8	155.3	156.8	159.8	161.3	161.3	165.8	168.8	171.8	174.7
70°	134.4	134.4	135.9	135.9	137.4	138.9	140.4	143.4	144.9	149.4	150.9
72.5°	113.5	113.5	113.5	113.5	116.5	116.5	118.0	121.0	122.5	125.5	128.4
75°	91.1	91.1	92.6	92.6	94.1	95.6	97.1	98.6	101.6	103.1	104.5
77.5°	71.7	70.2	71.7	73.2	74.7	74.7	76.2	77.7	79.2	82.1	83.6
80°	50.8	50.8	50.8	52.3	53.8	53.8	55.3	56.8	58.2	61.2	62.7
82.5°	32.9	32.9	34.4	34.4	35.8	37.3	37.3	38.8	40.3	43.3	44.8
85°	17.9	17.9	17.9	19.4	20.9	20.9	22.4	23.9	26.9	28.4	31.4
87.5°	6.0	6.0	7.5	9.0	10.5	10.5	11.9	13.4	14.9	17.9	19.4
90°	1.5	1.5	1.5	3.0	3.0	4.5	4.5	6.0	7.5	9.0	10.5
92.5°	6.0	10.5	16.4	23.9	22.4	23.9	16.4	10.5	10.5	10.5	11.9
95°	17.9	26.9	43.3	68.7	89.6	101.6	112.0	122.5	143.4	144.9	138.9
97.5°	35.8	49.3	79.2	112.0	149.4	168.8	183.7	215.1	247.9	268.8	294.2
100°	59.7	79.2	118.0	162.8	206.1	231.5	255.4	300.2	340.5	376.4	415.2
102.5°	88.1	110.5	158.3	213.6	267.3	295.7	321.1	373.4	428.7	476.4	518.3
105°	118.0	143.4	200.1	262.9	324.1	357.0	388.3	445.1	503.3	555.6	604.9
107.5°	150.9	177.7	239.0	309.2	377.9	415.2	449.6	510.8	572.0	628.8	681.1
110°	182.2	212.1	276.3	352.5	430.1	467.5	501.8	569.0	633.3	693.0	748.3



TEST NUMBER: P395441

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	215.1	246.4	310.7	394.3	473.5	512.3	548.1	619.8	687.0	748.3	803.5
115°	246.4	276.3	343.5	430.1	510.8	551.1	590.0	663.1	733.3	794.6	851.3
117.5°	276.3	304.7	373.4	460.0	543.7	584.0	622.8	699.0	769.2	833.4	888.7
120°	306.2	331.6	406.3	485.4	570.5	610.9	651.2	727.4	799.1	863.3	920.0
122.5°	333.1	357.0	430.1	507.8	591.5	633.3	672.1	749.8	823.0	887.2	942.4
125°	357.0	379.4	452.6	525.7	609.4	649.7	690.0	766.2	839.4	902.1	958.9
127.5°	380.9	403.3	469.0	543.7	621.3	663.1	702.0	778.1	849.8	914.1	969.3
130°	406.3	422.7	485.4	560.1	633.3	672.1	712.4	785.6	855.8	918.5	973.8
132.5°	427.2	442.1	501.8	573.5	642.2	679.6	715.4	788.6	858.8	918.5	972.3
135°	446.6	458.5	513.8	585.5	649.7	684.1	718.4	787.1	855.8	915.6	967.8
137.5°	464.5	476.4	524.2	594.4	655.7	685.5	718.4	782.6	848.3	908.1	957.4
140°	480.9	489.9	533.2	598.9	658.7	687.0	715.4	775.2	836.4	894.6	943.9
142.5°	497.4	504.8	540.7	601.9	660.2	687.0	713.9	766.2	823.0	879.7	929.0
145°	509.3	516.8	546.6	603.4	658.7	684.1	708.0	757.2	808.0	860.3	908.1
147.5°	522.7	528.7	552.6	600.4	654.2	678.1	700.5	745.3	791.6	839.4	884.2
150°	531.7	537.7	555.6	597.4	646.7	669.1	691.5	733.3	775.2	817.0	855.8
152.5°	540.7	545.2	560.1	592.9	637.8	658.7	679.6	719.9	758.7	796.1	830.4
155°	548.1	552.6	563.1	590.0	627.3	646.7	666.1	705.0	740.8	773.7	805.0
157.5°	555.6	558.6	566.1	585.5	615.4	633.3	651.2	685.5	718.4	751.3	776.7
160°	561.6	563.1	569.0	584.0	604.9	618.3	634.8	666.1	696.0	724.4	748.3
162.5°	567.6	567.6	572.0	581.0	595.9	604.9	616.8	643.7	670.6	696.0	718.4
165°	570.5	570.5	573.5	579.5	588.5	594.4	601.9	619.8	640.7	663.1	684.1
167.5°	573.5	573.5	575.0	578.0	584.0	587.0	590.0	601.9	615.4	631.8	648.2
170°	576.5	575.0	575.0	578.0	579.5	581.0	582.5	588.5	594.4	604.9	613.9
172.5°	576.5	575.0	575.0	576.5	576.5	576.5	576.5	578.0	579.5	585.5	588.5
175°	576.5	575.0	575.0	575.0	575.0	573.5	573.5	573.5	573.5	573.5	575.0
177.5°	576.5	575.0	573.5	573.5	572.0	572.0	570.5	570.5	569.0	569.0	569.0
180°	566.1	566.1	566.1	566.1	566.1	566.1	566.1	566.1	566.1	566.1	566.1



TEST NUMBER: P395441

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2
2.5°	422.7	422.7	421.2	421.2	419.7	419.7	418.2	416.7	415.2	415.2
5°	424.2	422.7	421.2	421.2	421.2	419.7	419.7	419.7	418.2	418.2
7.5°	424.2	424.2	424.2	422.7	422.7	422.7	422.7	422.7	421.2	421.2
10°	425.7	425.7	425.7	425.7	425.7	425.7	425.7	424.2	424.2	424.2
12.5°	425.7	425.7	425.7	427.2	427.2	427.2	427.2	427.2	427.2	427.2
15°	427.2	427.2	428.7	428.7	430.1	430.1	431.6	431.6	431.6	430.1
17.5°	425.7	427.2	428.7	430.1	431.6	431.6	433.1	433.1	433.1	433.1
20°	425.7	428.7	430.1	431.6	433.1	433.1	434.6	436.1	436.1	434.6
22.5°	424.2	427.2	428.7	431.6	433.1	433.1	436.1	436.1	436.1	436.1
25°	422.7	425.7	428.7	431.6	433.1	433.1	436.1	436.1	437.6	437.6
27.5°	419.7	422.7	427.2	430.1	431.6	433.1	434.6	436.1	436.1	436.1
30°	415.2	419.7	424.2	427.2	428.7	430.1	431.6	433.1	434.6	434.6
32.5°	409.2	413.7	418.2	422.7	424.2	425.7	428.7	430.1	430.1	430.1
35°	403.3	407.7	412.2	416.7	418.2	419.7	422.7	424.2	425.7	425.7
37.5°	394.3	398.8	403.3	407.7	409.2	412.2	415.2	416.7	416.7	416.7
40°	380.9	388.3	394.3	398.8	400.3	403.3	404.8	407.7	407.7	407.7
42.5°	368.9	374.9	379.4	385.3	386.8	391.3	394.3	395.8	397.3	397.3
45°	355.5	361.4	365.9	370.4	371.9	374.9	377.9	379.4	380.9	382.4
47.5°	342.0	346.5	351.0	355.5	357.0	359.9	362.9	364.4	365.9	365.9
50°	325.6	330.1	334.6	339.0	340.5	343.5	345.0	346.5	348.0	348.0
52.5°	307.7	312.2	316.6	321.1	322.6	324.1	327.1	328.6	330.1	330.1
55°	289.8	294.2	297.2	301.7	303.2	304.7	306.2	309.2	310.7	309.2
57.5°	268.8	273.3	276.3	280.8	282.3	283.8	285.3	286.8	288.3	288.3
60°	246.4	250.9	255.4	258.4	259.9	261.4	262.9	264.4	265.9	265.9
62.5°	224.0	228.5	231.5	236.0	237.5	237.5	239.0	240.5	242.0	242.0
65°	201.6	206.1	207.6	212.1	212.1	213.6	215.1	216.6	216.6	216.6
67.5°	177.7	182.2	183.7	186.7	186.7	188.2	189.7	191.2	191.2	191.2
70°	155.3	156.8	159.8	161.3	162.8	162.8	164.3	165.8	167.3	165.8
72.5°	131.4	132.9	135.9	137.4	137.4	138.9	138.9	140.4	141.9	141.9
75°	107.5	110.5	112.0	113.5	115.0	115.0	116.5	118.0	118.0	118.0
77.5°	85.1	88.1	89.6	91.1	92.6	92.6	94.1	94.1	95.6	94.1
80°	65.7	67.2	68.7	70.2	71.7	71.7	73.2	74.7	74.7	74.7
82.5°	47.8	49.3	52.3	53.8	53.8	53.8	56.8	56.8	58.2	56.8
85°	32.9	34.4	37.3	38.8	40.3	40.3	40.3	41.8	43.3	41.8
87.5°	20.9	23.9	25.4	26.9	26.9	26.9	28.4	29.9	29.9	29.9
90°	11.9	11.9	13.4	14.9	14.9	16.4	16.4	17.9	17.9	17.9
92.5°	11.9	13.4	13.4	13.4	14.9	14.9	14.9	16.4	16.4	16.4
95°	101.6	73.2	41.8	32.9	28.4	28.4	26.9	28.4	26.9	26.9
97.5°	307.7	333.1	345.0	361.4	370.4	368.9	362.9	368.9	364.4	368.9
100°	437.6	461.5	479.4	483.9	492.9	497.4	513.8	525.7	531.7	539.2
102.5°	543.7	572.0	592.9	604.9	613.9	619.8	639.2	657.2	666.1	672.1
105°	640.7	670.6	696.0	708.0	718.4	724.4	745.3	766.2	779.6	787.1
107.5°	718.4	752.8	779.6	797.6	808.0	818.5	843.9	864.8	881.2	888.7
110°	788.6	823.0	851.3	872.2	884.2	894.6	923.0	946.9	964.8	973.8



TEST NUMBER: P395441

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	846.9	884.2	912.6	935.0	946.9	961.9	988.7	1015.6	1033.5	1044.0
115°	894.6	933.5	963.4	987.2	1000.7	1014.1	1045.5	1072.4	1090.3	1097.8
117.5°	935.0	973.8	1005.2	1029.1	1044.0	1058.9	1090.3	1114.2	1133.6	1139.6
120°	967.8	1006.7	1038.0	1064.9	1079.8	1093.3	1123.2	1148.6	1166.5	1171.0
122.5°	990.2	1030.6	1063.4	1093.3	1106.7	1120.2	1148.6	1173.9	1190.4	1194.9
125°	1006.7	1048.5	1081.3	1112.7	1126.2	1139.6	1166.5	1191.9	1205.3	1211.3
127.5°	1017.1	1058.9	1094.8	1124.7	1139.6	1151.5	1178.4	1200.8	1214.3	1218.8
130°	1020.1	1063.4	1099.3	1130.6	1144.1	1156.0	1181.4	1203.8	1215.8	1218.8
132.5°	1020.1	1061.9	1099.3	1129.1	1142.6	1154.5	1178.4	1199.3	1211.3	1214.3
135°	1014.1	1054.5	1091.8	1121.7	1135.1	1147.1	1171.0	1188.9	1200.8	1202.3
137.5°	1003.7	1042.5	1078.4	1108.2	1121.7	1133.6	1154.5	1173.9	1184.4	1187.4
140°	990.2	1026.1	1061.9	1090.3	1103.7	1114.2	1135.1	1151.5	1162.0	1165.0
142.5°	972.3	1008.2	1041.0	1069.4	1079.8	1091.8	1109.7	1126.2	1135.1	1138.1
145°	952.9	987.2	1017.1	1042.5	1054.5	1064.9	1081.3	1096.3	1105.2	1108.2
147.5°	927.5	961.9	990.2	1014.1	1024.6	1035.0	1050.0	1063.4	1072.4	1075.4
150°	896.1	927.5	957.4	979.8	990.2	1000.7	1015.6	1027.6	1036.5	1038.0
152.5°	864.8	894.6	920.0	942.4	952.9	963.4	976.8	988.7	999.2	999.2
155°	834.9	860.3	884.2	903.6	912.6	921.5	935.0	945.4	954.4	954.4
157.5°	803.5	827.4	846.9	864.8	872.2	879.7	891.7	900.6	908.1	906.6
160°	773.7	791.6	809.5	824.4	831.9	837.9	846.9	854.3	861.8	860.3
162.5°	740.8	757.2	772.2	782.6	788.6	793.1	802.0	809.5	814.0	814.0
165°	703.5	718.4	731.8	742.3	748.3	751.3	758.7	763.2	767.7	767.7
167.5°	664.6	676.6	688.5	697.5	703.5	706.5	713.9	716.9	722.9	721.4
170°	625.8	634.8	643.7	651.2	654.2	657.2	663.1	666.1	669.1	669.1
172.5°	594.4	597.4	601.9	607.9	607.9	609.4	612.4	613.9	615.4	615.4
175°	576.5	578.0	578.0	578.0	578.0	578.0	579.5	578.0	579.5	578.0
177.5°	569.0	569.0	567.6	567.6	566.1	567.6	566.1	564.6	564.6	563.1
180°	566.1	566.1	566.1	566.1	566.1	566.1	566.1	566.1	566.1	566.1

(END OF REPORT)