

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: P395443

Luminaire Tested: **I3-CL-60L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395443
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 (5000K)
Description: CORELITE I3, CLEAR TOP COVER
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5728.3 lumens
Efficiency: N/A
Efficacy: 127.0 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

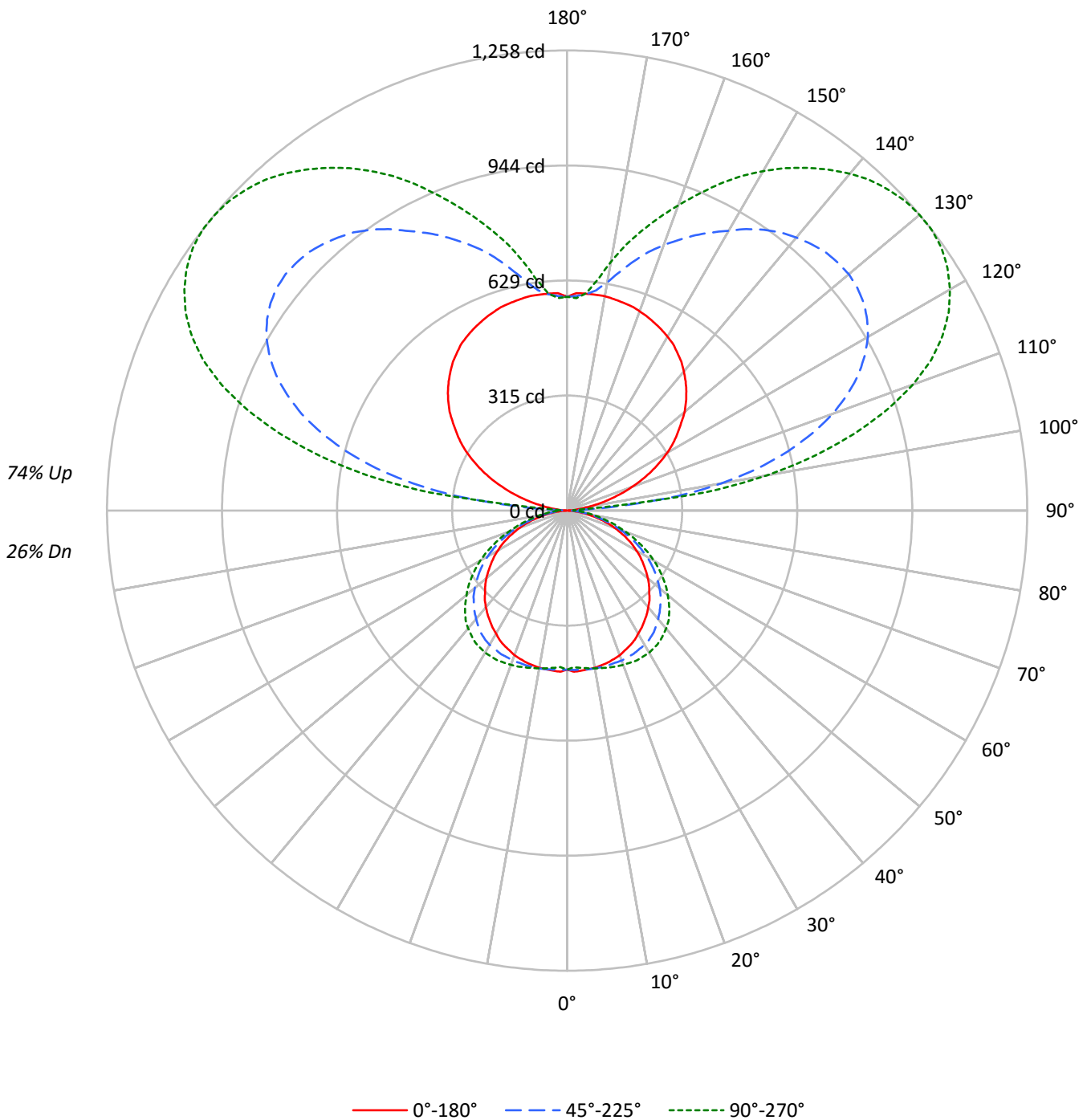
Input Watts (W): 45.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (5000K)

Luminous Intensity Polar Plot





TEST NUMBER: P395443

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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°	2389	2389	2389
5°	2415	2352	2314
10°	2416	2334	2308
15°	2420	2326	2319
20°	2424	2326	2340
25°	2420	2329	2370
30°	2406	2332	2388
35°	2400	2319	2390
40°	2392	2270	2359
45°	2367	2215	2300
50°	2346	2142	2198
55°	2297	2035	2072
60°	2241	1892	1912
65°	2150	1698	1695
70°	1996	1446	1435
75°	1723	1150	1153
80°	1336	817	844
85°	785	506	566



TEST NUMBER: P395443

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (5000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.6	0.7
10°-20°	123.6	2.2
20°-30°	198.1	3.5
30°-40°	253.4	4.4
40°-50°	276.3	4.8
50°-60°	258.8	4.5
60°-70°	200.8	3.5
70°-80°	115.1	2.0
80°-90°	36.8	0.6
90°-100°	147.7	2.6
100°-110°	574.3	10.0
110°-120°	781.9	13.6
120°-130°	811.6	14.2
130°-140°	720.0	12.6
140°-150°	558.6	9.8
150°-160°	372.8	6.5
160°-170°	198.7	3.5
170°-180°	58.1	1.0
0°-30°	363.3	6.3
0°-40°	616.6	10.8
0°-60°	1151.7	20.1
0°-90°	1504.5	26.3
90°-120°	1504.0	26.3
90°-150°	3594.2	62.7
90°-180°	4224.0	73.7
0°-180°	5728.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	435	435	435	435	435	
5°	439	435	436	435	432	42
15°	430	428	438	444	444	121
25°	407	410	432	447	452	187
35°	368	376	410	432	439	231
45°	318	331	361	384	395	245
55°	254	268	293	313	319	227
65°	180	188	205	219	224	178
75°	94	99	108	119	122	100
85°	18	22	32	42	43	22
90°	2	5	11	15	18	2
95°	18	105	143	29	28	24
105°	122	368	624	741	812	130
115°	254	569	879	1033	1133	251
125°	368	670	990	1162	1250	329
135°	461	706	999	1172	1241	355
145°	526	706	937	1088	1144	329
155°	566	668	831	942	985	261
165°	589	614	706	772	792	167
175°	595	592	594	596	596	57
180°	584	584	584	584	584	



TEST NUMBER: P395443

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	434.7	434.7	434.7	434.7	434.7	434.7	434.7	434.7	434.7	434.7	434.7
2.5°	440.9	439.3	439.3	436.2	436.2	434.7	434.7	434.7	434.7	434.7	436.2
5°	439.3	439.3	437.8	436.2	436.2	434.7	434.7	434.7	434.7	434.7	436.2
7.5°	437.8	437.8	436.2	434.7	434.7	434.7	434.7	434.7	434.7	434.7	437.8
10°	436.2	436.2	434.7	433.1	433.1	433.1	433.1	434.7	434.7	434.7	437.8
12.5°	433.1	431.6	431.6	430.1	430.1	430.1	431.6	431.6	433.1	434.7	437.8
15°	430.1	430.1	428.5	427.0	428.5	428.5	428.5	430.1	431.6	433.1	437.8
17.5°	425.4	425.4	423.9	423.9	423.9	425.4	425.4	427.0	430.1	433.1	436.2
20°	420.8	419.3	419.3	419.3	420.8	420.8	422.4	425.4	427.0	431.6	436.2
22.5°	413.1	414.7	413.1	413.1	414.7	416.2	417.7	420.8	423.9	428.5	433.1
25°	406.9	406.9	406.9	406.9	410.0	410.0	413.1	416.2	420.8	425.4	431.6
27.5°	399.2	399.2	399.2	400.8	402.3	403.9	405.4	410.0	414.7	420.8	427.0
30°	388.4	388.4	388.4	388.4	393.1	394.6	397.7	403.9	408.5	416.2	423.9
32.5°	379.2	379.2	379.2	380.7	383.8	385.4	388.4	396.2	402.3	410.0	417.7
35°	368.4	368.4	369.9	369.9	374.6	376.1	379.2	385.4	391.5	400.8	410.0
37.5°	357.6	357.6	359.2	360.7	363.8	366.9	369.9	376.1	382.3	390.0	399.2
40°	345.3	345.3	346.8	348.4	353.0	356.1	359.2	365.3	371.5	379.2	386.9
42.5°	333.0	333.0	334.5	336.0	340.7	343.7	346.8	354.5	360.7	368.4	374.6
45°	317.5	319.1	320.6	323.7	328.3	331.4	334.5	340.7	348.4	354.5	360.7
47.5°	303.7	305.2	306.8	309.8	314.5	317.5	320.6	326.8	333.0	339.1	346.8
50°	288.3	289.8	291.3	294.4	299.0	302.1	305.2	311.4	317.5	322.2	329.9
52.5°	271.3	272.8	274.4	277.5	283.6	285.2	288.3	294.4	299.0	305.2	311.4
55°	254.3	255.9	257.4	260.5	265.1	268.2	269.8	275.9	280.5	286.7	292.9
57.5°	237.4	238.9	240.5	243.6	246.6	249.7	251.3	255.9	262.0	266.7	272.8
60°	218.9	220.4	222.0	223.5	228.1	229.7	231.2	235.8	240.5	246.6	251.3
62.5°	200.4	200.4	201.9	203.5	208.1	209.6	211.2	214.3	220.4	223.5	228.1
65°	180.4	180.4	181.9	183.4	186.5	188.1	189.6	192.7	197.3	200.4	205.0
67.5°	158.8	158.8	160.3	161.9	164.9	166.5	166.5	171.1	174.2	177.3	180.4
70°	138.7	138.7	140.3	140.3	141.8	143.4	144.9	148.0	149.5	154.1	155.7
72.5°	117.2	117.2	117.2	117.2	120.2	120.2	121.8	124.9	126.4	129.5	132.6
75°	94.0	94.0	95.6	95.6	97.1	98.7	100.2	101.7	104.8	106.4	107.9
77.5°	74.0	72.4	74.0	75.5	77.1	77.1	78.6	80.2	81.7	84.8	86.3
80°	52.4	52.4	52.4	54.0	55.5	55.5	57.0	58.6	60.1	63.2	64.7
82.5°	33.9	33.9	35.5	35.5	37.0	38.5	38.5	40.1	41.6	44.7	46.2
85°	18.5	18.5	18.5	20.0	21.6	21.6	23.1	24.7	27.7	29.3	32.4
87.5°	6.2	6.2	7.7	9.2	10.8	10.8	12.3	13.9	15.4	18.5	20.0
90°	1.5	1.5	1.5	3.1	3.1	4.6	4.6	6.2	7.7	9.2	10.8
92.5°	6.2	10.8	17.0	24.7	23.1	24.7	17.0	10.8	10.8	10.8	12.3
95°	18.5	27.7	44.7	70.9	92.5	104.8	115.6	126.4	148.0	149.5	143.4
97.5°	37.0	50.9	81.7	115.6	154.1	174.2	189.6	222.0	255.9	277.5	303.7
100°	61.7	81.7	121.8	168.0	212.7	238.9	263.6	309.8	351.5	388.4	428.5
102.5°	90.9	114.1	163.4	220.4	275.9	305.2	331.4	385.4	442.4	491.7	534.9
105°	121.8	148.0	206.6	271.3	334.5	368.4	400.8	459.4	519.5	573.4	624.3
107.5°	155.7	183.4	246.6	319.1	390.0	428.5	464.0	527.2	590.4	649.0	702.9
110°	188.1	218.9	285.2	363.8	443.9	482.5	517.9	587.3	653.6	715.2	772.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	222.0	254.3	320.6	406.9	488.6	528.7	565.7	639.7	709.1	772.3	829.3
115°	254.3	285.2	354.5	443.9	527.2	568.8	608.9	684.4	756.9	820.1	878.6
117.5°	285.2	314.5	385.4	474.8	561.1	602.7	642.8	721.4	793.9	860.1	917.2
120°	316.0	342.2	419.3	501.0	588.8	630.5	672.1	750.7	824.7	891.0	949.5
122.5°	343.7	368.4	443.9	524.1	610.4	653.6	693.7	773.8	849.3	915.6	972.7
125°	368.4	391.5	467.1	542.6	628.9	670.5	712.2	790.8	866.3	931.0	989.6
127.5°	393.1	416.2	484.0	561.1	641.2	684.4	724.5	803.1	877.1	943.4	1000.4
130°	419.3	436.2	501.0	578.0	653.6	693.7	735.3	810.8	883.3	948.0	1005.0
132.5°	440.9	456.3	517.9	591.9	662.8	701.4	738.4	813.9	886.3	948.0	1003.5
135°	460.9	473.2	530.3	604.3	670.5	706.0	741.4	812.3	883.3	944.9	998.9
137.5°	479.4	491.7	541.1	613.5	676.7	707.5	741.4	807.7	875.5	937.2	988.1
140°	496.3	505.6	550.3	618.1	679.8	709.1	738.4	800.0	863.2	923.3	974.2
142.5°	513.3	521.0	558.0	621.2	681.3	709.1	736.8	790.8	849.3	907.9	958.8
145°	525.6	533.3	564.2	622.7	679.8	706.0	730.7	781.5	833.9	887.9	937.2
147.5°	539.5	545.7	570.3	619.7	675.2	699.8	722.9	769.2	817.0	866.3	912.5
150°	548.8	554.9	573.4	616.6	667.5	690.6	713.7	756.9	800.0	843.2	883.3
152.5°	558.0	562.6	578.0	612.0	658.2	679.8	701.4	743.0	783.1	821.6	857.1
155°	565.7	570.3	581.1	608.9	647.4	667.5	687.5	727.6	764.6	798.5	830.8
157.5°	573.4	576.5	584.2	604.3	635.1	653.6	672.1	707.5	741.4	775.4	801.6
160°	579.6	581.1	587.3	602.7	624.3	638.2	655.1	687.5	718.3	747.6	772.3
162.5°	585.8	585.8	590.4	599.6	615.0	624.3	636.6	664.4	692.1	718.3	741.4
165°	588.8	588.8	591.9	598.1	607.3	613.5	621.2	639.7	661.3	684.4	706.0
167.5°	591.9	591.9	593.5	596.5	602.7	605.8	608.9	621.2	635.1	652.0	669.0
170°	595.0	593.5	593.5	596.5	598.1	599.6	601.2	607.3	613.5	624.3	633.5
172.5°	595.0	593.5	593.5	595.0	595.0	595.0	595.0	596.5	598.1	604.3	607.3
175°	595.0	593.5	593.5	593.5	593.5	591.9	591.9	591.9	591.9	591.9	593.5
177.5°	595.0	593.5	591.9	591.9	590.4	590.4	588.8	588.8	587.3	587.3	587.3
180°	584.2	584.2	584.2	584.2	584.2	584.2	584.2	584.2	584.2	584.2	584.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	434.7	434.7	434.7	434.7	434.7	434.7	434.7	434.7	434.7	434.7
2.5°	436.2	436.2	434.7	434.7	433.1	433.1	431.6	430.1	428.5	428.5
5°	437.8	436.2	434.7	434.7	434.7	433.1	433.1	433.1	431.6	431.6
7.5°	437.8	437.8	437.8	436.2	436.2	436.2	436.2	436.2	434.7	434.7
10°	439.3	439.3	439.3	439.3	439.3	439.3	439.3	437.8	437.8	437.8
12.5°	439.3	439.3	439.3	440.9	440.9	440.9	440.9	440.9	440.9	440.9
15°	440.9	440.9	442.4	442.4	443.9	443.9	445.5	445.5	445.5	443.9
17.5°	439.3	440.9	442.4	443.9	445.5	445.5	447.0	447.0	447.0	447.0
20°	439.3	442.4	443.9	445.5	447.0	447.0	448.6	450.1	450.1	448.6
22.5°	437.8	440.9	442.4	445.5	447.0	447.0	450.1	450.1	450.1	450.1
25°	436.2	439.3	442.4	445.5	447.0	447.0	450.1	450.1	451.6	451.6
27.5°	433.1	436.2	440.9	443.9	445.5	447.0	448.6	450.1	450.1	450.1
30°	428.5	433.1	437.8	440.9	442.4	443.9	445.5	447.0	448.6	448.6
32.5°	422.4	427.0	431.6	436.2	437.8	439.3	442.4	443.9	443.9	443.9
35°	416.2	420.8	425.4	430.1	431.6	433.1	436.2	437.8	439.3	439.3
37.5°	406.9	411.6	416.2	420.8	422.4	425.4	428.5	430.1	430.1	430.1
40°	393.1	400.8	406.9	411.6	413.1	416.2	417.7	420.8	420.8	420.8
42.5°	380.7	386.9	391.5	397.7	399.2	403.9	406.9	408.5	410.0	410.0
45°	366.9	373.0	377.7	382.3	383.8	386.9	390.0	391.5	393.1	394.6
47.5°	353.0	357.6	362.2	366.9	368.4	371.5	374.6	376.1	377.7	377.7
50°	336.0	340.7	345.3	349.9	351.5	354.5	356.1	357.6	359.2	359.2
52.5°	317.5	322.2	326.8	331.4	333.0	334.5	337.6	339.1	340.7	340.7
55°	299.0	303.7	306.8	311.4	312.9	314.5	316.0	319.1	320.6	319.1
57.5°	277.5	282.1	285.2	289.8	291.3	292.9	294.4	296.0	297.5	297.5
60°	254.3	259.0	263.6	266.7	268.2	269.8	271.3	272.8	274.4	274.4
62.5°	231.2	235.8	238.9	243.6	245.1	245.1	246.6	248.2	249.7	249.7
65°	208.1	212.7	214.3	218.9	218.9	220.4	222.0	223.5	223.5	223.5
67.5°	183.4	188.1	189.6	192.7	192.7	194.2	195.8	197.3	197.3	197.3
70°	160.3	161.9	164.9	166.5	168.0	168.0	169.6	171.1	172.6	171.1
72.5°	135.6	137.2	140.3	141.8	141.8	143.4	143.4	144.9	146.4	146.4
75°	111.0	114.1	115.6	117.2	118.7	118.7	120.2	121.8	121.8	121.8
77.5°	87.9	90.9	92.5	94.0	95.6	95.6	97.1	97.1	98.7	97.1
80°	67.8	69.4	70.9	72.4	74.0	74.0	75.5	77.1	77.1	77.1
82.5°	49.3	50.9	54.0	55.5	55.5	55.5	58.6	58.6	60.1	58.6
85°	33.9	35.5	38.5	40.1	41.6	41.6	41.6	43.2	44.7	43.2
87.5°	21.6	24.7	26.2	27.7	27.7	27.7	29.3	30.8	30.8	30.8
90°	12.3	12.3	13.9	15.4	15.4	17.0	17.0	18.5	18.5	18.5
92.5°	12.3	13.9	13.9	13.9	15.4	15.4	15.4	17.0	17.0	17.0
95°	104.8	75.5	43.2	33.9	29.3	29.3	27.7	29.3	27.7	27.7
97.5°	317.5	343.7	356.1	373.0	382.3	380.7	374.6	380.7	376.1	380.7
100°	451.6	476.3	494.8	499.4	508.7	513.3	530.3	542.6	548.8	556.5
102.5°	561.1	590.4	612.0	624.3	633.5	639.7	659.7	678.2	687.5	693.7
105°	661.3	692.1	718.3	730.7	741.4	747.6	769.2	790.8	804.6	812.3
107.5°	741.4	776.9	804.6	823.1	833.9	844.7	870.9	892.5	909.5	917.2
110°	813.9	849.3	878.6	900.2	912.5	923.3	952.6	977.3	995.8	1005.0



TEST NUMBER: P395443

CATALOG NUMBER: I3-CL-60L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	874.0	912.5	941.8	965.0	977.3	992.7	1020.4	1048.2	1066.7	1077.5
115°	923.3	963.4	994.2	1018.9	1032.8	1046.7	1079.0	1106.8	1125.3	1133.0
117.5°	965.0	1005.0	1037.4	1062.1	1077.5	1092.9	1125.3	1149.9	1170.0	1176.1
120°	998.9	1038.9	1071.3	1099.1	1114.5	1128.3	1159.2	1185.4	1203.9	1208.5
122.5°	1022.0	1063.6	1097.5	1128.3	1142.2	1156.1	1185.4	1211.6	1228.5	1233.2
125°	1038.9	1082.1	1116.0	1148.4	1162.3	1176.1	1203.9	1230.1	1244.0	1250.1
127.5°	1049.7	1092.9	1129.9	1160.7	1176.1	1188.5	1216.2	1239.3	1253.2	1257.8
130°	1052.8	1097.5	1134.5	1166.9	1180.8	1193.1	1219.3	1242.4	1254.7	1257.8
132.5°	1052.8	1096.0	1134.5	1165.3	1179.2	1191.5	1216.2	1237.8	1250.1	1253.2
135°	1046.7	1088.3	1126.8	1157.6	1171.5	1183.8	1208.5	1227.0	1239.3	1240.9
137.5°	1035.9	1075.9	1112.9	1143.8	1157.6	1170.0	1191.5	1211.6	1222.4	1225.5
140°	1022.0	1059.0	1096.0	1125.3	1139.1	1149.9	1171.5	1188.5	1199.3	1202.3
142.5°	1003.5	1040.5	1074.4	1103.7	1114.5	1126.8	1145.3	1162.3	1171.5	1174.6
145°	983.5	1018.9	1049.7	1075.9	1088.3	1099.1	1116.0	1131.4	1140.7	1143.8
147.5°	957.2	992.7	1022.0	1046.7	1057.4	1068.2	1083.6	1097.5	1106.8	1109.8
150°	924.9	957.2	988.1	1011.2	1022.0	1032.8	1048.2	1060.5	1069.8	1071.3
152.5°	892.5	923.3	949.5	972.7	983.5	994.2	1008.1	1020.4	1031.2	1031.2
155°	861.7	887.9	912.5	932.6	941.8	951.1	965.0	975.7	985.0	985.0
157.5°	829.3	854.0	874.0	892.5	900.2	907.9	920.3	929.5	937.2	935.7
160°	798.5	817.0	835.5	850.9	858.6	864.8	874.0	881.7	889.4	887.9
162.5°	764.6	781.5	796.9	807.7	813.9	818.5	827.8	835.5	840.1	840.1
165°	726.0	741.4	755.3	766.1	772.3	775.4	783.1	787.7	792.3	792.3
167.5°	685.9	698.3	710.6	719.9	726.0	729.1	736.8	739.9	746.1	744.5
170°	645.9	655.1	664.4	672.1	675.2	678.2	684.4	687.5	690.6	690.6
172.5°	613.5	616.6	621.2	627.4	627.4	628.9	632.0	633.5	635.1	635.1
175°	595.0	596.5	596.5	596.5	596.5	596.5	598.1	596.5	598.1	596.5
177.5°	587.3	587.3	585.8	585.8	584.2	585.8	584.2	582.7	582.7	581.1
180°	584.2	584.2	584.2	584.2	584.2	584.2	584.2	584.2	584.2	584.2

(END OF REPORT)