

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: P395460

Luminaire Tested: **I3-CL-60L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395460
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-60L93050-1D-UNV-W2A-W-4 (3500K)
Description: CORELITE I3, CLEAR TOP COVER
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4727.3 lumens
Efficiency: N/A
Efficacy: 105.3 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

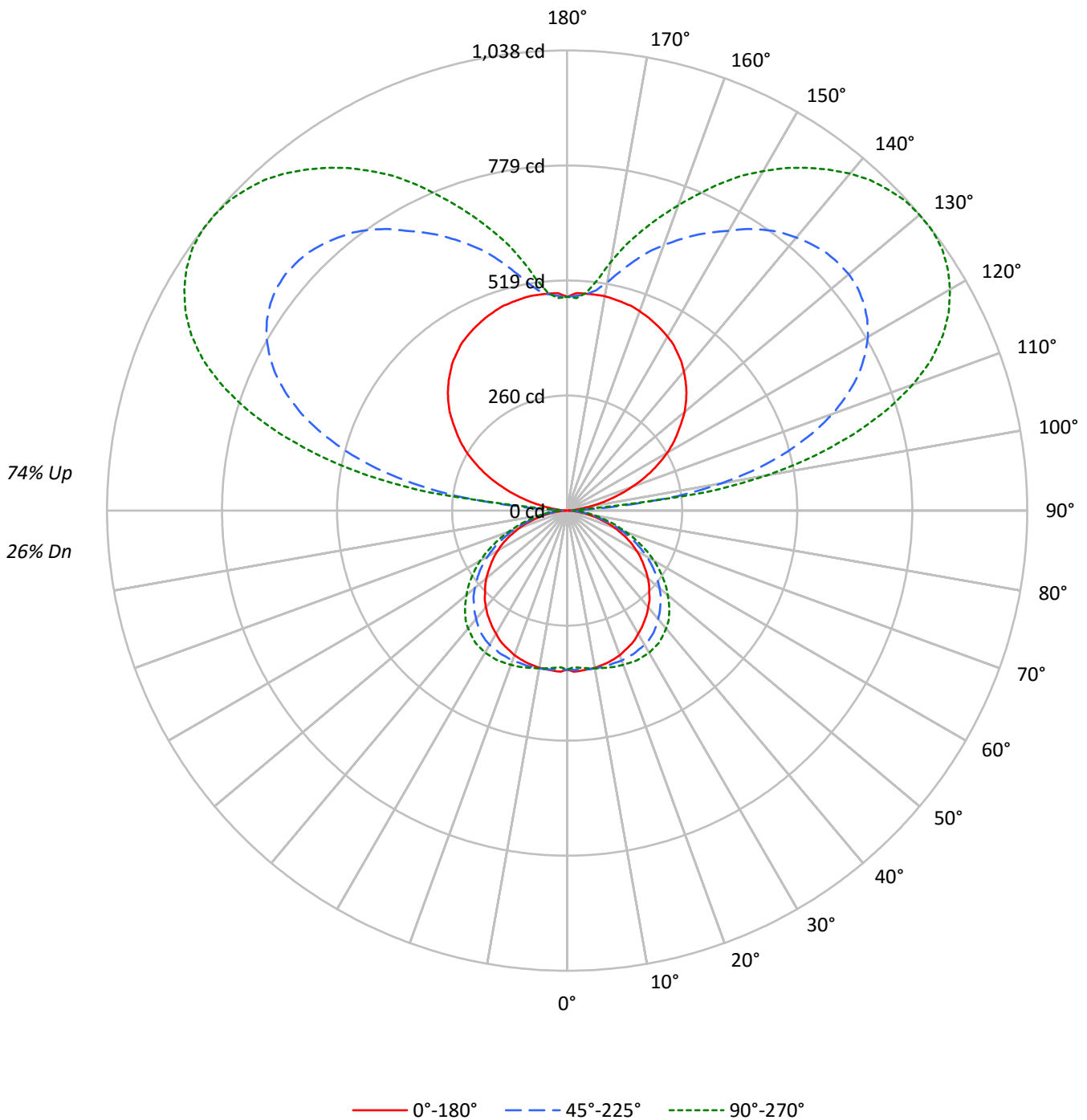
Input Watts (W): 44.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-60L93050-1D-UNV-W2A-W-4 (3500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395460

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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°	1972	1972	1972
5°	1993	1941	1910
10°	1994	1926	1905
15°	1997	1919	1914
20°	2000	1920	1931
25°	1997	1922	1956
30°	1986	1925	1970
35°	1981	1914	1972
40°	1974	1873	1947
45°	1953	1828	1899
50°	1936	1768	1814
55°	1896	1679	1709
60°	1849	1560	1578
65°	1773	1402	1399
70°	1647	1194	1184
75°	1422	949	951
80°	1104	674	696
85°	649	417	467



TEST NUMBER: P395460

CATALOG NUMBER: I3-CL-60L93050-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.3	0.7
10°-20°	102.0	2.2
20°-30°	163.5	3.5
30°-40°	209.1	4.4
40°-50°	228.0	4.8
50°-60°	213.6	4.5
60°-70°	165.7	3.5
70°-80°	95.0	2.0
80°-90°	30.4	0.6
90°-100°	121.9	2.6
100°-110°	473.9	10.0
110°-120°	645.3	13.6
120°-130°	669.8	14.2
130°-140°	594.1	12.6
140°-150°	461.0	9.8
150°-160°	307.7	6.5
160°-170°	164.0	3.5
170°-180°	48.0	1.0
0°-30°	299.8	6.3
0°-40°	508.9	10.8
0°-60°	950.5	20.1
0°-90°	1241.6	26.3
90°-120°	1241.1	26.3
90°-150°	2966.1	62.7
90°-180°	3486.0	73.7
0°-180°	4727.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	359	359	359	359	359	
5°	362	359	360	359	356	35
15°	355	354	361	366	366	100
25°	336	338	356	369	373	155
35°	304	310	338	356	362	190
45°	262	274	298	317	326	203
55°	210	221	242	258	263	188
65°	149	155	169	181	184	147
75°	78	81	89	98	100	83
85°	15	18	27	34	36	18
90°	1	4	9	13	15	2
95°	15	86	118	24	23	20
105°	100	304	515	612	670	107
115°	210	469	725	852	935	207
125°	304	553	817	959	1032	272
135°	380	583	824	967	1024	293
145°	434	583	773	898	944	272
155°	467	551	686	777	813	216
165°	486	506	583	637	654	137
175°	491	488	490	492	492	47
180°	482	482	482	482	482	



TEST NUMBER: P395460

CATALOG NUMBER: I3-CL-60L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	358.7	358.7	358.7	358.7	358.7	358.7	358.7	358.7	358.7	358.7	358.7
2.5°	363.8	362.5	362.5	360.0	360.0	358.7	358.7	358.7	358.7	358.7	360.0
5°	362.5	362.5	361.3	360.0	360.0	358.7	358.7	358.7	358.7	358.7	360.0
7.5°	361.3	361.3	360.0	358.7	358.7	358.7	358.7	358.7	358.7	358.7	361.3
10°	360.0	360.0	358.7	357.5	357.5	357.5	357.5	358.7	358.7	358.7	361.3
12.5°	357.5	356.2	356.2	354.9	354.9	354.9	356.2	356.2	357.5	358.7	361.3
15°	354.9	354.9	353.6	352.4	353.6	353.6	353.6	354.9	356.2	357.5	361.3
17.5°	351.1	351.1	349.8	349.8	349.8	351.1	351.1	352.4	354.9	357.5	360.0
20°	347.3	346.0	346.0	346.0	347.3	347.3	348.5	351.1	352.4	356.2	360.0
22.5°	340.9	342.2	340.9	340.9	342.2	343.5	344.7	347.3	349.8	353.6	357.5
25°	335.8	335.8	335.8	335.8	338.4	338.4	340.9	343.5	347.3	351.1	356.2
27.5°	329.5	329.5	329.5	330.7	332.0	333.3	334.6	338.4	342.2	347.3	352.4
30°	320.6	320.6	320.6	320.6	324.4	325.7	328.2	333.3	337.1	343.5	349.8
32.5°	312.9	312.9	312.9	314.2	316.7	318.0	320.6	326.9	332.0	338.4	344.7
35°	304.0	304.0	305.3	305.3	309.1	310.4	312.9	318.0	323.1	330.7	338.4
37.5°	295.1	295.1	296.4	297.7	300.2	302.8	305.3	310.4	315.5	321.8	329.5
40°	284.9	284.9	286.2	287.5	291.3	293.8	296.4	301.5	306.6	312.9	319.3
42.5°	274.8	274.8	276.0	277.3	281.1	283.7	286.2	292.6	297.7	304.0	309.1
45°	262.0	263.3	264.6	267.1	271.0	273.5	276.0	281.1	287.5	292.6	297.7
47.5°	250.6	251.9	253.1	255.7	259.5	262.0	264.6	269.7	274.8	279.9	286.2
50°	237.9	239.2	240.4	243.0	246.8	249.3	251.9	257.0	262.0	265.9	272.2
52.5°	223.9	225.2	226.4	229.0	234.1	235.3	237.9	243.0	246.8	251.9	257.0
55°	209.9	211.2	212.4	215.0	218.8	221.3	222.6	227.7	231.5	236.6	241.7
57.5°	195.9	197.2	198.4	201.0	203.5	206.1	207.3	211.2	216.3	220.1	225.2
60°	180.6	181.9	183.2	184.5	188.3	189.5	190.8	194.6	198.4	203.5	207.3
62.5°	165.4	165.4	166.6	167.9	171.7	173.0	174.3	176.8	181.9	184.5	188.3
65°	148.8	148.8	150.1	151.4	153.9	155.2	156.5	159.0	162.8	165.4	169.2
67.5°	131.0	131.0	132.3	133.6	136.1	137.4	137.4	141.2	143.7	146.3	148.8
70°	114.5	114.5	115.8	115.8	117.0	118.3	119.6	122.1	123.4	127.2	128.5
72.5°	96.7	96.7	96.7	96.7	99.2	99.2	100.5	103.0	104.3	106.9	109.4
75°	77.6	77.6	78.9	78.9	80.1	81.4	82.7	84.0	86.5	87.8	89.0
77.5°	61.1	59.8	61.1	62.3	63.6	63.6	64.9	66.1	67.4	70.0	71.2
80°	43.3	43.3	43.3	44.5	45.8	45.8	47.1	48.3	49.6	52.2	53.4
82.5°	28.0	28.0	29.3	29.3	30.5	31.8	31.8	33.1	34.3	36.9	38.2
85°	15.3	15.3	15.3	16.5	17.8	17.8	19.1	20.4	22.9	24.2	26.7
87.5°	5.1	5.1	6.4	7.6	8.9	8.9	10.2	11.4	12.7	15.3	16.5
90°	1.3	1.3	1.3	2.5	2.5	3.8	3.8	5.1	6.4	7.6	8.9
92.5°	5.1	8.9	14.0	20.4	19.1	20.4	14.0	8.9	8.9	8.9	10.2
95°	15.3	22.9	36.9	58.5	76.3	86.5	95.4	104.3	122.1	123.4	118.3
97.5°	30.5	42.0	67.4	95.4	127.2	143.7	156.5	183.2	211.2	229.0	250.6
100°	50.9	67.4	100.5	138.7	175.5	197.2	217.5	255.7	290.0	320.6	353.6
102.5°	75.1	94.1	134.8	181.9	227.7	251.9	273.5	318.0	365.1	405.8	441.4
105°	100.5	122.1	170.5	223.9	276.0	304.0	330.7	379.1	428.7	473.2	515.2
107.5°	128.5	151.4	203.5	263.3	321.8	353.6	382.9	435.1	487.2	535.5	580.1
110°	155.2	180.6	235.3	300.2	366.4	398.2	427.4	484.7	539.4	590.2	637.3



TEST NUMBER: P395460

CATALOG NUMBER: I3-CL-60L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	183.2	209.9	264.6	335.8	403.2	436.3	466.9	527.9	585.2	637.3	684.4
115°	209.9	235.3	292.6	366.4	435.1	469.4	502.5	564.8	624.6	676.7	725.1
117.5°	235.3	259.5	318.0	391.8	463.0	497.4	530.5	595.3	655.1	709.8	756.9
120°	260.8	282.4	346.0	413.4	485.9	520.3	554.6	619.5	680.6	735.3	783.6
122.5°	283.7	304.0	366.4	432.5	503.7	539.4	572.4	638.6	700.9	755.6	802.7
125°	304.0	323.1	385.4	447.8	519.0	553.4	587.7	652.6	714.9	768.3	816.7
127.5°	324.4	343.5	399.4	463.0	529.2	564.8	597.9	662.8	723.8	778.5	825.6
130°	346.0	360.0	413.4	477.0	539.4	572.4	606.8	669.1	728.9	782.3	829.4
132.5°	363.8	376.5	427.4	488.5	547.0	578.8	609.3	671.7	731.4	782.3	828.1
135°	380.4	390.5	437.6	498.7	553.4	582.6	611.9	670.4	728.9	779.8	824.3
137.5°	395.6	405.8	446.5	506.3	558.4	583.9	611.9	666.6	722.5	773.4	815.4
140°	409.6	417.2	454.1	510.1	561.0	585.2	609.3	660.2	712.4	762.0	804.0
142.5°	423.6	430.0	460.5	512.6	562.3	585.2	608.1	652.6	700.9	749.3	791.2
145°	433.8	440.1	465.6	513.9	561.0	582.6	603.0	644.9	688.2	732.7	773.4
147.5°	445.2	450.3	470.7	511.4	557.2	577.5	596.6	634.8	674.2	714.9	753.1
150°	452.9	457.9	473.2	508.8	550.8	569.9	589.0	624.6	660.2	695.8	728.9
152.5°	460.5	464.3	477.0	505.0	543.2	561.0	578.8	613.1	646.2	678.0	707.3
155°	466.9	470.7	479.6	502.5	534.3	550.8	567.3	600.4	631.0	658.9	685.6
157.5°	473.2	475.8	482.1	498.7	524.1	539.4	554.6	583.9	611.9	639.9	661.5
160°	478.3	479.6	484.7	497.4	515.2	526.6	540.6	567.3	592.8	617.0	637.3
162.5°	483.4	483.4	487.2	494.8	507.6	515.2	525.4	548.3	571.2	592.8	611.9
165°	485.9	485.9	488.5	493.6	501.2	506.3	512.6	527.9	545.7	564.8	582.6
167.5°	488.5	488.5	489.7	492.3	497.4	499.9	502.5	512.6	524.1	538.1	552.1
170°	491.0	489.7	489.7	492.3	493.6	494.8	496.1	501.2	506.3	515.2	522.8
172.5°	491.0	489.7	489.7	491.0	491.0	491.0	491.0	492.3	493.6	498.7	501.2
175°	491.0	489.7	489.7	489.7	489.7	488.5	488.5	488.5	488.5	488.5	489.7
177.5°	491.0	489.7	488.5	488.5	487.2	487.2	485.9	485.9	484.7	484.7	484.7
180°	482.1	482.1	482.1	482.1	482.1	482.1	482.1	482.1	482.1	482.1	482.1



TEST NUMBER: P395460

CATALOG NUMBER: I3-CL-60L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	358.7	358.7	358.7	358.7	358.7	358.7	358.7	358.7	358.7	358.7
2.5°	360.0	360.0	358.7	358.7	357.5	357.5	356.2	354.9	353.6	353.6
5°	361.3	360.0	358.7	358.7	358.7	357.5	357.5	357.5	356.2	356.2
7.5°	361.3	361.3	361.3	360.0	360.0	360.0	360.0	360.0	358.7	358.7
10°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	361.3	361.3	361.3
12.5°	362.5	362.5	362.5	363.8	363.8	363.8	363.8	363.8	363.8	363.8
15°	363.8	363.8	365.1	365.1	366.4	366.4	367.6	367.6	367.6	366.4
17.5°	362.5	363.8	365.1	366.4	367.6	367.6	368.9	368.9	368.9	368.9
20°	362.5	365.1	366.4	367.6	368.9	368.9	370.2	371.4	371.4	370.2
22.5°	361.3	363.8	365.1	367.6	368.9	368.9	371.4	371.4	371.4	371.4
25°	360.0	362.5	365.1	367.6	368.9	368.9	371.4	371.4	372.7	372.7
27.5°	357.5	360.0	363.8	366.4	367.6	368.9	370.2	371.4	371.4	371.4
30°	353.6	357.5	361.3	363.8	365.1	366.4	367.6	368.9	370.2	370.2
32.5°	348.5	352.4	356.2	360.0	361.3	362.5	365.1	366.4	366.4	366.4
35°	343.5	347.3	351.1	354.9	356.2	357.5	360.0	361.3	362.5	362.5
37.5°	335.8	339.6	343.5	347.3	348.5	351.1	353.6	354.9	354.9	354.9
40°	324.4	330.7	335.8	339.6	340.9	343.5	344.7	347.3	347.3	347.3
42.5°	314.2	319.3	323.1	328.2	329.5	333.3	335.8	337.1	338.4	338.4
45°	302.8	307.8	311.7	315.5	316.7	319.3	321.8	323.1	324.4	325.7
47.5°	291.3	295.1	298.9	302.8	304.0	306.6	309.1	310.4	311.7	311.7
50°	277.3	281.1	284.9	288.8	290.0	292.6	293.8	295.1	296.4	296.4
52.5°	262.0	265.9	269.7	273.5	274.8	276.0	278.6	279.9	281.1	281.1
55°	246.8	250.6	253.1	257.0	258.2	259.5	260.8	263.3	264.6	263.3
57.5°	229.0	232.8	235.3	239.2	240.4	241.7	243.0	244.2	245.5	245.5
60°	209.9	213.7	217.5	220.1	221.3	222.6	223.9	225.2	226.4	226.4
62.5°	190.8	194.6	197.2	201.0	202.3	202.3	203.5	204.8	206.1	206.1
65°	171.7	175.5	176.8	180.6	180.6	181.9	183.2	184.5	184.5	184.5
67.5°	151.4	155.2	156.5	159.0	159.0	160.3	161.6	162.8	162.8	162.8
70°	132.3	133.6	136.1	137.4	138.7	138.7	139.9	141.2	142.5	141.2
72.5°	111.9	113.2	115.8	117.0	117.0	118.3	118.3	119.6	120.8	120.8
75°	91.6	94.1	95.4	96.7	97.9	97.9	99.2	100.5	100.5	100.5
77.5°	72.5	75.1	76.3	77.6	78.9	78.9	80.1	80.1	81.4	80.1
80°	56.0	57.2	58.5	59.8	61.1	61.1	62.3	63.6	63.6	63.6
82.5°	40.7	42.0	44.5	45.8	45.8	45.8	48.3	48.3	49.6	48.3
85°	28.0	29.3	31.8	33.1	34.3	34.3	34.3	35.6	36.9	35.6
87.5°	17.8	20.4	21.6	22.9	22.9	22.9	24.2	25.4	25.4	25.4
90°	10.2	10.2	11.4	12.7	12.7	14.0	14.0	15.3	15.3	15.3
92.5°	10.2	11.4	11.4	11.4	12.7	12.7	12.7	14.0	14.0	14.0
95°	86.5	62.3	35.6	28.0	24.2	24.2	22.9	24.2	22.9	22.9
97.5°	262.0	283.7	293.8	307.8	315.5	314.2	309.1	314.2	310.4	314.2
100°	372.7	393.1	408.3	412.2	419.8	423.6	437.6	447.8	452.9	459.2
102.5°	463.0	487.2	505.0	515.2	522.8	527.9	544.4	559.7	567.3	572.4
105°	545.7	571.2	592.8	603.0	611.9	617.0	634.8	652.6	664.0	670.4
107.5°	611.9	641.1	664.0	679.3	688.2	697.1	718.7	736.5	750.5	756.9
110°	671.7	700.9	725.1	742.9	753.1	762.0	786.1	806.5	821.8	829.4



TEST NUMBER: P395460

CATALOG NUMBER: I3-CL-60L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	721.3	753.1	777.2	796.3	806.5	819.2	842.1	865.0	880.3	889.2
115°	762.0	795.0	820.5	840.8	852.3	863.7	890.5	913.4	928.6	935.0
117.5°	796.3	829.4	856.1	876.5	889.2	901.9	928.6	949.0	965.5	970.6
120°	824.3	857.4	884.1	907.0	919.7	931.2	956.6	978.2	993.5	997.3
122.5°	843.4	877.7	905.7	931.2	942.6	954.1	978.2	999.9	1013.8	1017.7
125°	857.4	893.0	921.0	947.7	959.1	970.6	993.5	1015.1	1026.6	1031.7
127.5°	866.3	901.9	932.4	957.9	970.6	980.8	1003.7	1022.7	1034.2	1038.0
130°	868.8	905.7	936.2	963.0	974.4	984.6	1006.2	1025.3	1035.5	1038.0
132.5°	868.8	904.4	936.2	961.7	973.1	983.3	1003.7	1021.5	1031.7	1034.2
135°	863.7	898.1	929.9	955.3	966.8	977.0	997.3	1012.6	1022.7	1024.0
137.5°	854.8	887.9	918.4	943.9	955.3	965.5	983.3	999.9	1008.8	1011.3
140°	843.4	873.9	904.4	928.6	940.1	949.0	966.8	980.8	989.7	992.2
142.5°	828.1	858.7	886.6	910.8	919.7	929.9	945.2	959.1	966.8	969.3
145°	811.6	840.8	866.3	887.9	898.1	907.0	921.0	933.7	941.3	943.9
147.5°	790.0	819.2	843.4	863.7	872.6	881.5	894.3	905.7	913.4	915.9
150°	763.2	790.0	815.4	834.5	843.4	852.3	865.0	875.2	882.8	884.1
152.5°	736.5	762.0	783.6	802.7	811.6	820.5	831.9	842.1	851.0	851.0
155°	711.1	732.7	753.1	769.6	777.2	784.9	796.3	805.2	812.9	812.9
157.5°	684.4	704.7	721.3	736.5	742.9	749.3	759.4	767.1	773.4	772.2
160°	658.9	674.2	689.5	702.2	708.5	713.6	721.3	727.6	734.0	732.7
162.5°	631.0	644.9	657.7	666.6	671.7	675.5	683.1	689.5	693.3	693.3
165°	599.1	611.9	623.3	632.2	637.3	639.9	646.2	650.0	653.8	653.8
167.5°	566.1	576.3	586.4	594.1	599.1	601.7	608.1	610.6	615.7	614.4
170°	533.0	540.6	548.3	554.6	557.2	559.7	564.8	567.3	569.9	569.9
172.5°	506.3	508.8	512.6	517.7	517.7	519.0	521.6	522.8	524.1	524.1
175°	491.0	492.3	492.3	492.3	492.3	492.3	493.6	492.3	493.6	492.3
177.5°	484.7	484.7	483.4	483.4	482.1	483.4	482.1	480.8	480.8	479.6
180°	482.1	482.1	482.1	482.1	482.1	482.1	482.1	482.1	482.1	482.1

(END OF REPORT)