

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: P395452

Luminaire Tested: **I3-CL-60L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395452
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-60L92765-1D-UNV-W2A-W-4 (3000K)
Description: CORELITE I3, CLEAR TOP COVER
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4532.6 lumens
Efficiency: N/A
Efficacy: 103.7 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

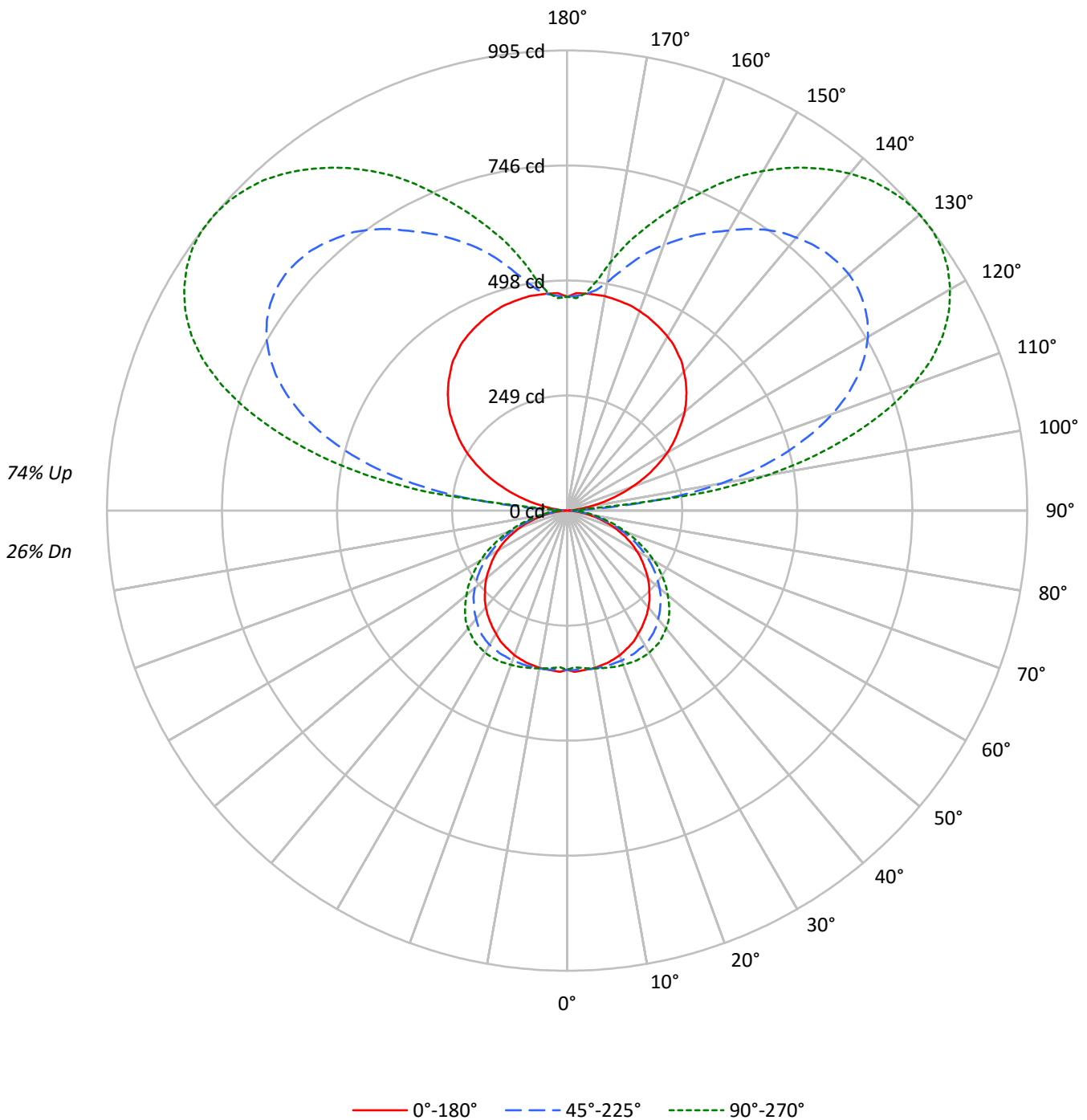
Input Watts (W): 43.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-60L92765-1D-UNV-W2A-W-4 (3000K)

Luminous Intensity Polar Plot





TEST NUMBER: P395452

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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°	1891	1891	1891
5°	1911	1861	1831
10°	1912	1847	1826
15°	1915	1840	1835
20°	1918	1841	1851
25°	1915	1843	1876
30°	1904	1846	1889
35°	1899	1835	1891
40°	1893	1796	1867
45°	1874	1753	1820
50°	1856	1695	1739
55°	1819	1609	1639
60°	1773	1496	1513
65°	1701	1344	1342
70°	1580	1144	1136
75°	1363	910	912
80°	1058	646	668
85°	619	400	448



TEST NUMBER: P395452

CATALOG NUMBER: I3-CL-60L92765-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.9	0.7
10°-20°	97.8	2.2
20°-30°	156.8	3.5
30°-40°	200.5	4.4
40°-50°	218.6	4.8
50°-60°	204.8	4.5
60°-70°	158.9	3.5
70°-80°	91.1	2.0
80°-90°	29.1	0.6
90°-100°	116.9	2.6
100°-110°	454.4	10.0
110°-120°	618.7	13.6
120°-130°	642.2	14.2
130°-140°	569.7	12.6
140°-150°	442.0	9.8
150°-160°	295.0	6.5
160°-170°	157.2	3.5
170°-180°	46.0	1.0
0°-30°	287.4	6.3
0°-40°	487.9	10.8
0°-60°	911.3	20.1
0°-90°	1190.5	26.3
90°-120°	1190.0	26.3
90°-150°	2843.9	62.7
90°-180°	3342.0	73.7
0°-180°	4532.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	344	344	344	344	344	
5°	348	344	345	344	342	33
15°	340	339	346	351	351	96
25°	322	324	342	354	357	148
35°	292	298	324	342	348	183
45°	251	262	285	304	312	194
55°	201	212	232	248	252	180
65°	143	149	162	173	177	141
75°	74	78	85	94	96	79
85°	15	17	26	33	34	18
90°	1	4	8	12	15	2
95°	15	83	113	23	22	19
105°	96	292	494	587	643	103
115°	201	450	695	817	896	198
125°	292	531	783	920	989	261
135°	365	559	790	927	982	281
145°	416	559	742	861	905	261
155°	448	528	657	745	779	207
165°	466	485	559	611	627	132
175°	471	468	470	472	472	45
180°	462	462	462	462	462	



TEST NUMBER: P395452

CATALOG NUMBER: I3-CL-60L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	344.0	344.0	344.0	344.0	344.0	344.0	344.0	344.0	344.0	344.0	344.0
2.5°	348.8	347.6	347.6	345.2	345.2	344.0	344.0	344.0	344.0	344.0	345.2
5°	347.6	347.6	346.4	345.2	345.2	344.0	344.0	344.0	344.0	344.0	345.2
7.5°	346.4	346.4	345.2	344.0	344.0	344.0	344.0	344.0	344.0	344.0	346.4
10°	345.2	345.2	344.0	342.7	342.7	342.7	342.7	344.0	344.0	344.0	346.4
12.5°	342.7	341.5	341.5	340.3	340.3	340.3	341.5	341.5	342.7	344.0	346.4
15°	340.3	340.3	339.1	337.9	339.1	339.1	339.1	340.3	341.5	342.7	346.4
17.5°	336.6	336.6	335.4	335.4	335.4	336.6	336.6	337.9	340.3	342.7	345.2
20°	333.0	331.8	331.8	331.8	333.0	333.0	334.2	336.6	337.9	341.5	345.2
22.5°	326.9	328.1	326.9	326.9	328.1	329.3	330.5	333.0	335.4	339.1	342.7
25°	322.0	322.0	322.0	322.0	324.4	324.4	326.9	329.3	333.0	336.6	341.5
27.5°	315.9	315.9	315.9	317.1	318.3	319.6	320.8	324.4	328.1	333.0	337.9
30°	307.4	307.4	307.4	307.4	311.0	312.2	314.7	319.6	323.2	329.3	335.4
32.5°	300.0	300.0	300.0	301.3	303.7	304.9	307.4	313.5	318.3	324.4	330.5
35°	291.5	291.5	292.7	292.7	296.4	297.6	300.0	304.9	309.8	317.1	324.4
37.5°	283.0	283.0	284.2	285.4	287.8	290.3	292.7	297.6	302.5	308.6	315.9
40°	273.2	273.2	274.4	275.7	279.3	281.8	284.2	289.1	293.9	300.0	306.1
42.5°	263.5	263.5	264.7	265.9	269.6	272.0	274.4	280.5	285.4	291.5	296.4
45°	251.3	252.5	253.7	256.1	259.8	262.2	264.7	269.6	275.7	280.5	285.4
47.5°	240.3	241.5	242.7	245.2	248.8	251.3	253.7	258.6	263.5	268.3	274.4
50°	228.1	229.3	230.5	233.0	236.6	239.1	241.5	246.4	251.3	254.9	261.0
52.5°	214.7	215.9	217.1	219.5	224.4	225.6	228.1	233.0	236.6	241.5	246.4
55°	201.3	202.5	203.7	206.1	209.8	212.2	213.4	218.3	222.0	226.9	231.7
57.5°	187.8	189.1	190.3	192.7	195.2	197.6	198.8	202.5	207.3	211.0	215.9
60°	173.2	174.4	175.6	176.9	180.5	181.7	183.0	186.6	190.3	195.2	198.8
62.5°	158.6	158.6	159.8	161.0	164.7	165.9	167.1	169.5	174.4	176.9	180.5
65°	142.7	142.7	143.9	145.1	147.6	148.8	150.0	152.5	156.1	158.6	162.2
67.5°	125.6	125.6	126.8	128.1	130.5	131.7	131.7	135.4	137.8	140.3	142.7
70°	109.8	109.8	111.0	111.0	112.2	113.4	114.7	117.1	118.3	122.0	123.2
72.5°	92.7	92.7	92.7	92.7	95.1	95.1	96.4	98.8	100.0	102.5	104.9
75°	74.4	74.4	75.6	75.6	76.8	78.1	79.3	80.5	82.9	84.2	85.4
77.5°	58.5	57.3	58.5	59.8	61.0	61.0	62.2	63.4	64.6	67.1	68.3
80°	41.5	41.5	41.5	42.7	43.9	43.9	45.1	46.3	47.6	50.0	51.2
82.5°	26.8	26.8	28.1	28.1	29.3	30.5	30.5	31.7	32.9	35.4	36.6
85°	14.6	14.6	14.6	15.9	17.1	17.1	18.3	19.5	22.0	23.2	25.6
87.5°	4.9	4.9	6.1	7.3	8.5	8.5	9.8	11.0	12.2	14.6	15.9
90°	1.2	1.2	1.2	2.4	2.4	3.7	3.7	4.9	6.1	7.3	8.5
92.5°	4.9	8.5	13.4	19.5	18.3	19.5	13.4	8.5	8.5	8.5	9.8
95°	14.6	22.0	35.4	56.1	73.2	82.9	91.5	100.0	117.1	118.3	113.4
97.5°	29.3	40.3	64.6	91.5	122.0	137.8	150.0	175.6	202.5	219.5	240.3
100°	48.8	64.6	96.4	132.9	168.3	189.1	208.6	245.2	278.1	307.4	339.1
102.5°	72.0	90.3	129.3	174.4	218.3	241.5	262.2	304.9	350.1	389.1	423.2
105°	96.4	117.1	163.4	214.7	264.7	291.5	317.1	363.5	411.0	453.7	494.0
107.5°	123.2	145.1	195.2	252.5	308.6	339.1	367.1	417.1	467.1	513.5	556.2
110°	148.8	173.2	225.6	287.8	351.3	381.8	409.8	464.7	517.2	565.9	611.1



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CATALOG NUMBER: I3-CL-60L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	175.6	201.3	253.7	322.0	386.6	418.4	447.6	506.2	561.1	611.1	656.2
115°	201.3	225.6	280.5	351.3	417.1	450.1	481.8	541.5	598.9	648.9	695.2
117.5°	225.6	248.8	304.9	375.7	444.0	476.9	508.6	570.8	628.1	680.6	725.7
120°	250.0	270.8	331.8	396.4	465.9	498.9	531.8	594.0	652.5	705.0	751.3
122.5°	272.0	291.5	351.3	414.7	483.0	517.2	548.9	612.3	672.1	724.5	769.6
125°	291.5	309.8	369.6	429.3	497.6	530.6	563.5	625.7	685.5	736.7	783.0
127.5°	311.0	329.3	383.0	444.0	507.4	541.5	573.3	635.5	694.0	746.5	791.6
130°	331.8	345.2	396.4	457.4	517.2	548.9	581.8	641.6	698.9	750.1	795.2
132.5°	348.8	361.0	409.8	468.4	524.5	555.0	584.2	644.0	701.3	750.1	794.0
135°	364.7	374.4	419.6	478.1	530.6	558.6	586.7	642.8	698.9	747.7	790.4
137.5°	379.3	389.1	428.1	485.4	535.4	559.8	586.7	639.1	692.8	741.6	781.8
140°	392.7	400.1	435.4	489.1	537.9	561.1	584.2	633.0	683.0	730.6	770.8
142.5°	406.2	412.3	441.5	491.5	539.1	561.1	583.0	625.7	672.1	718.4	758.7
145°	415.9	422.0	446.4	492.8	537.9	558.6	578.1	618.4	659.9	702.5	741.6
147.5°	426.9	431.8	451.3	490.3	534.2	553.7	572.0	608.6	646.4	685.5	722.1
150°	434.2	439.1	453.7	487.9	528.1	546.4	564.7	598.9	633.0	667.2	698.9
152.5°	441.5	445.2	457.4	484.2	520.8	537.9	555.0	587.9	619.6	650.1	678.2
155°	447.6	451.3	459.8	481.8	512.3	528.1	544.0	575.7	605.0	631.8	657.4
157.5°	453.7	456.2	462.3	478.1	502.5	517.2	531.8	559.8	586.7	613.5	634.2
160°	458.6	459.8	464.7	476.9	494.0	505.0	518.4	544.0	568.4	591.6	611.1
162.5°	463.5	463.5	467.1	474.5	486.7	494.0	503.7	525.7	547.6	568.4	586.7
165°	465.9	465.9	468.4	473.2	480.6	485.4	491.5	506.2	523.3	541.5	558.6
167.5°	468.4	468.4	469.6	472.0	476.9	479.3	481.8	491.5	502.5	515.9	529.3
170°	470.8	469.6	469.6	472.0	473.2	474.5	475.7	480.6	485.4	494.0	501.3
172.5°	470.8	469.6	469.6	470.8	470.8	470.8	470.8	472.0	473.2	478.1	480.6
175°	470.8	469.6	469.6	469.6	469.6	468.4	468.4	468.4	468.4	468.4	469.6
177.5°	470.8	469.6	468.4	468.4	467.1	467.1	465.9	465.9	464.7	464.7	464.7
180°	462.3	462.3	462.3	462.3	462.3	462.3	462.3	462.3	462.3	462.3	462.3



TEST NUMBER: P395452

CATALOG NUMBER: I3-CL-60L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	344.0	344.0	344.0	344.0	344.0	344.0	344.0	344.0	344.0	344.0
2.5°	345.2	345.2	344.0	344.0	342.7	342.7	341.5	340.3	339.1	339.1
5°	346.4	345.2	344.0	344.0	344.0	342.7	342.7	342.7	341.5	341.5
7.5°	346.4	346.4	346.4	345.2	345.2	345.2	345.2	345.2	344.0	344.0
10°	347.6	347.6	347.6	347.6	347.6	347.6	347.6	346.4	346.4	346.4
12.5°	347.6	347.6	347.6	348.8	348.8	348.8	348.8	348.8	348.8	348.8
15°	348.8	348.8	350.1	350.1	351.3	351.3	352.5	352.5	352.5	351.3
17.5°	347.6	348.8	350.1	351.3	352.5	352.5	353.7	353.7	353.7	353.7
20°	347.6	350.1	351.3	352.5	353.7	353.7	354.9	356.2	356.2	354.9
22.5°	346.4	348.8	350.1	352.5	353.7	353.7	356.2	356.2	356.2	356.2
25°	345.2	347.6	350.1	352.5	353.7	353.7	356.2	356.2	357.4	357.4
27.5°	342.7	345.2	348.8	351.3	352.5	353.7	354.9	356.2	356.2	356.2
30°	339.1	342.7	346.4	348.8	350.1	351.3	352.5	353.7	354.9	354.9
32.5°	334.2	337.9	341.5	345.2	346.4	347.6	350.1	351.3	351.3	351.3
35°	329.3	333.0	336.6	340.3	341.5	342.7	345.2	346.4	347.6	347.6
37.5°	322.0	325.7	329.3	333.0	334.2	336.6	339.1	340.3	340.3	340.3
40°	311.0	317.1	322.0	325.7	326.9	329.3	330.5	333.0	333.0	333.0
42.5°	301.3	306.1	309.8	314.7	315.9	319.6	322.0	323.2	324.4	324.4
45°	290.3	295.2	298.8	302.5	303.7	306.1	308.6	309.8	311.0	312.2
47.5°	279.3	283.0	286.6	290.3	291.5	293.9	296.4	297.6	298.8	298.8
50°	265.9	269.6	273.2	276.9	278.1	280.5	281.8	283.0	284.2	284.2
52.5°	251.3	254.9	258.6	262.2	263.5	264.7	267.1	268.3	269.6	269.6
55°	236.6	240.3	242.7	246.4	247.6	248.8	250.0	252.5	253.7	252.5
57.5°	219.5	223.2	225.6	229.3	230.5	231.7	233.0	234.2	235.4	235.4
60°	201.3	204.9	208.6	211.0	212.2	213.4	214.7	215.9	217.1	217.1
62.5°	183.0	186.6	189.1	192.7	193.9	193.9	195.2	196.4	197.6	197.6
65°	164.7	168.3	169.5	173.2	173.2	174.4	175.6	176.9	176.9	176.9
67.5°	145.1	148.8	150.0	152.5	152.5	153.7	154.9	156.1	156.1	156.1
70°	126.8	128.1	130.5	131.7	132.9	132.9	134.2	135.4	136.6	135.4
72.5°	107.3	108.6	111.0	112.2	112.2	113.4	113.4	114.7	115.9	115.9
75°	87.8	90.3	91.5	92.7	93.9	93.9	95.1	96.4	96.4	96.4
77.5°	69.5	72.0	73.2	74.4	75.6	75.6	76.8	76.8	78.1	76.8
80°	53.7	54.9	56.1	57.3	58.5	58.5	59.8	61.0	61.0	61.0
82.5°	39.0	40.3	42.7	43.9	43.9	43.9	46.3	46.3	47.6	46.3
85°	26.8	28.1	30.5	31.7	32.9	32.9	32.9	34.2	35.4	34.2
87.5°	17.1	19.5	20.7	22.0	22.0	22.0	23.2	24.4	24.4	24.4
90°	9.8	9.8	11.0	12.2	12.2	13.4	13.4	14.6	14.6	14.6
92.5°	9.8	11.0	11.0	11.0	12.2	12.2	12.2	13.4	13.4	13.4
95°	82.9	59.8	34.2	26.8	23.2	23.2	22.0	23.2	22.0	22.0
97.5°	251.3	272.0	281.8	295.2	302.5	301.3	296.4	301.3	297.6	301.3
100°	357.4	376.9	391.5	395.2	402.5	406.2	419.6	429.3	434.2	440.3
102.5°	444.0	467.1	484.2	494.0	501.3	506.2	522.0	536.7	544.0	548.9
105°	523.3	547.6	568.4	578.1	586.7	591.6	608.6	625.7	636.7	642.8
107.5°	586.7	614.7	636.7	651.3	659.9	668.4	689.1	706.2	719.6	725.7
110°	644.0	672.1	695.2	712.3	722.1	730.6	753.8	773.3	787.9	795.2



TEST NUMBER: P395452

CATALOG NUMBER: I3-CL-60L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	691.6	722.1	745.2	763.5	773.3	785.5	807.4	829.4	844.0	852.6
115°	730.6	762.3	786.7	806.2	817.2	828.2	853.8	875.7	890.4	896.5
117.5°	763.5	795.2	820.9	840.4	852.6	864.8	890.4	909.9	925.8	930.6
120°	790.4	822.1	847.7	869.6	881.8	892.8	917.2	937.9	952.6	956.2
122.5°	808.7	841.6	868.4	892.8	903.8	914.8	937.9	958.7	972.1	975.8
125°	822.1	856.2	883.1	908.7	919.7	930.6	952.6	973.3	984.3	989.2
127.5°	830.6	864.8	894.0	918.4	930.6	940.4	962.3	980.6	991.6	995.3
130°	833.1	868.4	897.7	923.3	934.3	944.0	964.8	983.1	992.8	995.3
132.5°	833.1	867.2	897.7	922.1	933.1	942.8	962.3	979.4	989.2	991.6
135°	828.2	861.1	891.6	916.0	927.0	936.7	956.2	970.9	980.6	981.9
137.5°	819.6	851.3	880.6	905.0	916.0	925.8	942.8	958.7	967.2	969.7
140°	808.7	837.9	867.2	890.4	901.4	909.9	927.0	940.4	948.9	951.4
142.5°	794.0	823.3	850.1	873.3	881.8	891.6	906.2	919.7	927.0	929.4
145°	778.2	806.2	830.6	851.3	861.1	869.6	883.1	895.3	902.6	905.0
147.5°	757.4	785.5	808.7	828.2	836.7	845.3	857.4	868.4	875.7	878.2
150°	731.8	757.4	781.8	800.1	808.7	817.2	829.4	839.2	846.5	847.7
152.5°	706.2	730.6	751.3	769.6	778.2	786.7	797.7	807.4	816.0	816.0
155°	681.8	702.5	722.1	737.9	745.2	752.6	763.5	772.1	779.4	779.4
157.5°	656.2	675.7	691.6	706.2	712.3	718.4	728.2	735.5	741.6	740.4
160°	631.8	646.4	661.1	673.3	679.4	684.3	691.6	697.7	703.8	702.5
162.5°	605.0	618.4	630.6	639.1	644.0	647.7	655.0	661.1	664.7	664.7
165°	574.5	586.7	597.7	606.2	611.1	613.5	619.6	623.3	626.9	626.9
167.5°	542.8	552.5	562.3	569.6	574.5	576.9	583.0	585.5	590.3	589.1
170°	511.1	518.4	525.7	531.8	534.2	536.7	541.5	544.0	546.4	546.4
172.5°	485.4	487.9	491.5	496.4	496.4	497.6	500.1	501.3	502.5	502.5
175°	470.8	472.0	472.0	472.0	472.0	472.0	473.2	472.0	473.2	472.0
177.5°	464.7	464.7	463.5	463.5	462.3	463.5	462.3	461.0	461.0	459.8
180°	462.3	462.3	462.3	462.3	462.3	462.3	462.3	462.3	462.3	462.3

(END OF REPORT)