

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: P395407

Luminaire Tested: **I3-CL-40L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395407
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-40L93050-1D-UNV-W2A-W-4 (3000K)
Description: CORELITE I3, CLEAR TOP COVER
4000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2876.8 lumens
Efficiency: N/A
Efficacy: 100.9 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

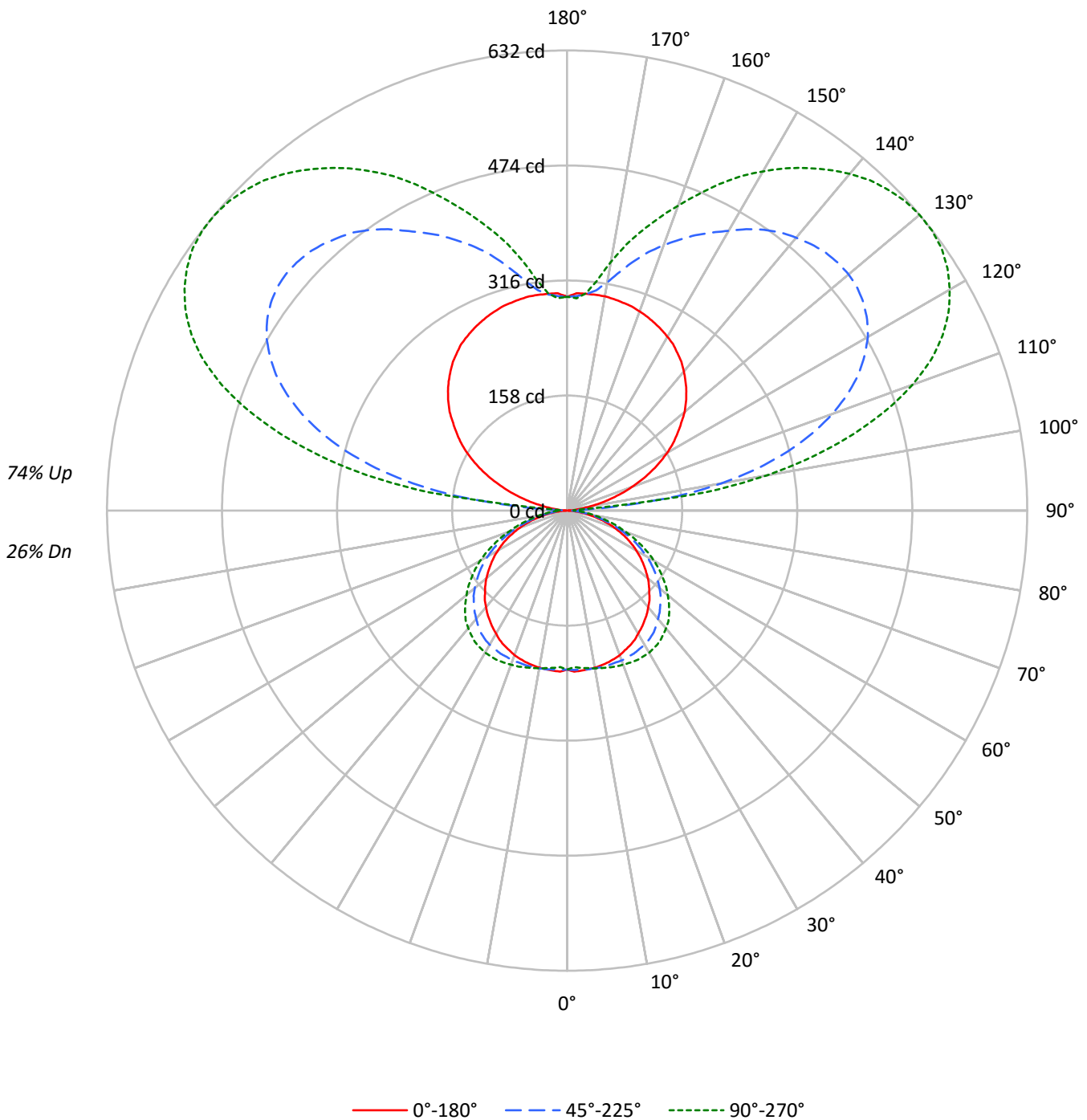
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	1200	1200	1200
5°	1213	1181	1162
10°	1214	1172	1159
15°	1215	1168	1165
20°	1217	1169	1175
25°	1216	1170	1190
30°	1209	1171	1199
35°	1205	1165	1200
40°	1201	1140	1185
45°	1189	1112	1155
50°	1178	1076	1104
55°	1154	1022	1040
60°	1125	950	960
65°	1080	853	852
70°	1003	726	721
75°	865	578	579
80°	671	410	424
85°	395	255	285



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.9	0.7
10°-20°	62.1	2.2
20°-30°	99.5	3.5
30°-40°	127.2	4.4
40°-50°	138.7	4.8
50°-60°	130.0	4.5
60°-70°	100.9	3.5
70°-80°	57.8	2.0
80°-90°	18.5	0.6
90°-100°	74.2	2.6
100°-110°	288.4	10.0
110°-120°	392.7	13.6
120°-130°	407.6	14.2
130°-140°	361.6	12.6
140°-150°	280.5	9.8
150°-160°	187.2	6.5
160°-170°	99.8	3.5
170°-180°	29.2	1.0
0°-30°	182.4	6.3
0°-40°	309.7	10.8
0°-60°	578.4	20.1
0°-90°	755.6	26.3
90°-120°	755.3	26.3
90°-150°	1805.0	62.7
90°-180°	2121.0	73.7
0°-180°	2876.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	218	218	218	218	218	
5°	221	218	219	218	217	21
15°	216	215	220	223	223	61
25°	204	206	217	224	227	94
35°	185	189	206	217	221	116
45°	160	166	181	193	198	123
55°	128	135	147	157	160	114
65°	91	94	103	110	112	89
75°	47	50	54	60	61	50
85°	9	11	16	21	22	11
90°	1	2	5	8	9	1
95°	9	53	72	15	14	12
105°	61	185	314	372	408	65
115°	128	286	441	519	569	126
125°	185	337	497	584	628	165
135°	232	355	502	588	623	178
145°	264	355	471	546	574	165
155°	284	335	417	473	495	131
165°	296	308	355	388	398	84
175°	299	297	298	300	300	29
180°	293	293	293	293	293	



TEST NUMBER: P395407

CATALOG NUMBER: I3-CL-40L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	218.3	218.3	218.3	218.3	218.3	218.3	218.3	218.3	218.3	218.3	218.3
2.5°	221.4	220.6	220.6	219.1	219.1	218.3	218.3	218.3	218.3	218.3	219.1
5°	220.6	220.6	219.9	219.1	219.1	218.3	218.3	218.3	218.3	218.3	219.1
7.5°	219.9	219.9	219.1	218.3	218.3	218.3	218.3	218.3	218.3	218.3	219.9
10°	219.1	219.1	218.3	217.5	217.5	217.5	217.5	218.3	218.3	218.3	219.9
12.5°	217.5	216.8	216.8	216.0	216.0	216.0	216.8	216.8	217.5	218.3	219.9
15°	216.0	216.0	215.2	214.4	215.2	215.2	215.2	216.0	216.8	217.5	219.9
17.5°	213.7	213.7	212.9	212.9	212.9	213.7	213.7	214.4	216.0	217.5	219.1
20°	211.3	210.6	210.6	210.6	211.3	211.3	212.1	213.7	214.4	216.8	219.1
22.5°	207.5	208.2	207.5	207.5	208.2	209.0	209.8	211.3	212.9	215.2	217.5
25°	204.4	204.4	204.4	204.4	205.9	205.9	207.5	209.0	211.3	213.7	216.8
27.5°	200.5	200.5	200.5	201.3	202.1	202.8	203.6	205.9	208.2	211.3	214.4
30°	195.1	195.1	195.1	195.1	197.4	198.2	199.7	202.8	205.1	209.0	212.9
32.5°	190.4	190.4	190.4	191.2	192.8	193.5	195.1	199.0	202.1	205.9	209.8
35°	185.0	185.0	185.8	185.8	188.1	188.9	190.4	193.5	196.6	201.3	205.9
37.5°	179.6	179.6	180.4	181.1	182.7	184.2	185.8	188.9	192.0	195.9	200.5
40°	173.4	173.4	174.2	175.0	177.3	178.8	180.4	183.5	186.6	190.4	194.3
42.5°	167.2	167.2	168.0	168.8	171.1	172.6	174.2	178.1	181.1	185.0	188.1
45°	159.5	160.2	161.0	162.6	164.9	166.4	168.0	171.1	175.0	178.1	181.1
47.5°	152.5	153.3	154.1	155.6	157.9	159.5	161.0	164.1	167.2	170.3	174.2
50°	144.8	145.5	146.3	147.9	150.2	151.7	153.3	156.4	159.5	161.8	165.7
52.5°	136.2	137.0	137.8	139.3	142.4	143.2	144.8	147.9	150.2	153.3	156.4
55°	127.7	128.5	129.3	130.8	133.2	134.7	135.5	138.6	140.9	144.0	147.1
57.5°	119.2	120.0	120.8	122.3	123.9	125.4	126.2	128.5	131.6	133.9	137.0
60°	109.9	110.7	111.5	112.3	114.6	115.3	116.1	118.4	120.8	123.9	126.2
62.5°	100.6	100.6	101.4	102.2	104.5	105.3	106.1	107.6	110.7	112.3	114.6
65°	90.6	90.6	91.3	92.1	93.7	94.4	95.2	96.8	99.1	100.6	103.0
67.5°	79.7	79.7	80.5	81.3	82.8	83.6	83.6	85.9	87.5	89.0	90.6
70°	69.7	69.7	70.4	70.4	71.2	72.0	72.8	74.3	75.1	77.4	78.2
72.5°	58.8	58.8	58.8	58.8	60.4	60.4	61.2	62.7	63.5	65.0	66.6
75°	47.2	47.2	48.0	48.0	48.8	49.5	50.3	51.1	52.6	53.4	54.2
77.5°	37.2	36.4	37.2	37.9	38.7	38.7	39.5	40.3	41.0	42.6	43.4
80°	26.3	26.3	26.3	27.1	27.9	27.9	28.6	29.4	30.2	31.7	32.5
82.5°	17.0	17.0	17.8	17.8	18.6	19.4	19.4	20.1	20.9	22.5	23.2
85°	9.3	9.3	9.3	10.1	10.8	10.8	11.6	12.4	13.9	14.7	16.3
87.5°	3.1	3.1	3.9	4.6	5.4	5.4	6.2	7.0	7.7	9.3	10.1
90°	0.8	0.8	0.8	1.5	1.5	2.3	2.3	3.1	3.9	4.6	5.4
92.5°	3.1	5.4	8.5	12.4	11.6	12.4	8.5	5.4	5.4	5.4	6.2
95°	9.3	13.9	22.5	35.6	46.4	52.6	58.1	63.5	74.3	75.1	72.0
97.5°	18.6	25.5	41.0	58.1	77.4	87.5	95.2	111.5	128.5	139.3	152.5
100°	31.0	41.0	61.2	84.4	106.8	120.0	132.4	155.6	176.5	195.1	215.2
102.5°	45.7	57.3	82.1	110.7	138.6	153.3	166.4	193.5	222.2	247.0	268.6
105°	61.2	74.3	103.7	136.2	168.0	185.0	201.3	230.7	260.9	288.0	313.5
107.5°	78.2	92.1	123.9	160.2	195.9	215.2	233.0	264.8	296.5	325.9	353.0
110°	94.4	109.9	143.2	182.7	223.0	242.3	260.1	294.9	328.2	359.2	387.8



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CATALOG NUMBER: I3-CL-40L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	111.5	127.7	161.0	204.4	245.4	265.5	284.1	321.3	356.1	387.8	416.5
115°	127.7	143.2	178.1	223.0	264.8	285.7	305.8	343.7	380.1	411.8	441.3
117.5°	143.2	157.9	193.5	238.4	281.8	302.7	322.8	362.3	398.7	432.0	460.6
120°	158.7	171.9	210.6	251.6	295.7	316.6	337.5	377.0	414.2	447.5	476.9
122.5°	172.6	185.0	223.0	263.2	306.6	328.2	348.4	388.6	426.6	459.8	488.5
125°	185.0	196.6	234.6	272.5	315.8	336.8	357.7	397.1	435.1	467.6	497.0
127.5°	197.4	209.0	243.1	281.8	322.0	343.7	363.8	403.3	440.5	473.8	502.4
130°	210.6	219.1	251.6	290.3	328.2	348.4	369.3	407.2	443.6	476.1	504.7
132.5°	221.4	229.1	260.1	297.3	332.9	352.2	370.8	408.7	445.1	476.1	504.0
135°	231.5	237.7	266.3	303.5	336.8	354.6	372.4	408.0	443.6	474.5	501.6
137.5°	240.8	247.0	271.7	308.1	339.8	355.3	372.4	405.6	439.7	470.7	496.2
140°	249.3	253.9	276.4	310.4	341.4	356.1	370.8	401.8	433.5	463.7	489.3
142.5°	257.8	261.7	280.2	312.0	342.2	356.1	370.0	397.1	426.6	456.0	481.5
145°	264.0	267.9	283.3	312.8	341.4	354.6	366.9	392.5	418.8	445.9	470.7
147.5°	270.9	274.0	286.4	311.2	339.1	351.5	363.1	386.3	410.3	435.1	458.3
150°	275.6	278.7	288.0	309.7	335.2	346.8	358.4	380.1	401.8	423.5	443.6
152.5°	280.2	282.6	290.3	307.3	330.6	341.4	352.2	373.1	393.3	412.6	430.4
155°	284.1	286.4	291.9	305.8	325.1	335.2	345.3	365.4	384.0	401.0	417.3
157.5°	288.0	289.5	293.4	303.5	318.9	328.2	337.5	355.3	372.4	389.4	402.6
160°	291.1	291.9	294.9	302.7	313.5	320.5	329.0	345.3	360.7	375.5	387.8
162.5°	294.2	294.2	296.5	301.1	308.9	313.5	319.7	333.7	347.6	360.7	372.4
165°	295.7	295.7	297.3	300.4	305.0	308.1	312.0	321.3	332.1	343.7	354.6
167.5°	297.3	297.3	298.0	299.6	302.7	304.2	305.8	312.0	318.9	327.5	336.0
170°	298.8	298.0	298.0	299.6	300.4	301.1	301.9	305.0	308.1	313.5	318.2
172.5°	298.8	298.0	298.0	298.8	298.8	298.8	298.8	299.6	300.4	303.5	305.0
175°	298.8	298.0	298.0	298.0	298.0	297.3	297.3	297.3	297.3	297.3	298.0
177.5°	298.8	298.0	297.3	297.3	296.5	296.5	295.7	295.7	294.9	294.9	294.9
180°	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	218.3	218.3	218.3	218.3	218.3	218.3	218.3	218.3	218.3	218.3
2.5°	219.1	219.1	218.3	218.3	217.5	217.5	216.8	216.0	215.2	215.2
5°	219.9	219.1	218.3	218.3	218.3	217.5	217.5	217.5	216.8	216.8
7.5°	219.9	219.9	219.9	219.1	219.1	219.1	219.1	219.1	218.3	218.3
10°	220.6	220.6	220.6	220.6	220.6	220.6	220.6	219.9	219.9	219.9
12.5°	220.6	220.6	220.6	221.4	221.4	221.4	221.4	221.4	221.4	221.4
15°	221.4	221.4	222.2	222.2	223.0	223.0	223.7	223.7	223.7	223.0
17.5°	220.6	221.4	222.2	223.0	223.7	223.7	224.5	224.5	224.5	224.5
20°	220.6	222.2	223.0	223.7	224.5	224.5	225.3	226.0	226.0	225.3
22.5°	219.9	221.4	222.2	223.7	224.5	224.5	226.0	226.0	226.0	226.0
25°	219.1	220.6	222.2	223.7	224.5	224.5	226.0	226.0	226.8	226.8
27.5°	217.5	219.1	221.4	223.0	223.7	224.5	225.3	226.0	226.0	226.0
30°	215.2	217.5	219.9	221.4	222.2	223.0	223.7	224.5	225.3	225.3
32.5°	212.1	214.4	216.8	219.1	219.9	220.6	222.2	223.0	223.0	223.0
35°	209.0	211.3	213.7	216.0	216.8	217.5	219.1	219.9	220.6	220.6
37.5°	204.4	206.7	209.0	211.3	212.1	213.7	215.2	216.0	216.0	216.0
40°	197.4	201.3	204.4	206.7	207.5	209.0	209.8	211.3	211.3	211.3
42.5°	191.2	194.3	196.6	199.7	200.5	202.8	204.4	205.1	205.9	205.9
45°	184.2	187.3	189.7	192.0	192.8	194.3	195.9	196.6	197.4	198.2
47.5°	177.3	179.6	181.9	184.2	185.0	186.6	188.1	188.9	189.7	189.7
50°	168.8	171.1	173.4	175.7	176.5	178.1	178.8	179.6	180.4	180.4
52.5°	159.5	161.8	164.1	166.4	167.2	168.0	169.5	170.3	171.1	171.1
55°	150.2	152.5	154.1	156.4	157.2	157.9	158.7	160.2	161.0	160.2
57.5°	139.3	141.7	143.2	145.5	146.3	147.1	147.9	148.6	149.4	149.4
60°	127.7	130.1	132.4	133.9	134.7	135.5	136.2	137.0	137.8	137.8
62.5°	116.1	118.4	120.0	122.3	123.1	123.1	123.9	124.6	125.4	125.4
65°	104.5	106.8	107.6	109.9	109.9	110.7	111.5	112.3	112.3	112.3
67.5°	92.1	94.4	95.2	96.8	96.8	97.5	98.3	99.1	99.1	99.1
70°	80.5	81.3	82.8	83.6	84.4	84.4	85.2	85.9	86.7	85.9
72.5°	68.1	68.9	70.4	71.2	71.2	72.0	72.0	72.8	73.5	73.5
75°	55.7	57.3	58.1	58.8	59.6	59.6	60.4	61.2	61.2	61.2
77.5°	44.1	45.7	46.4	47.2	48.0	48.0	48.8	48.8	49.5	48.8
80°	34.1	34.8	35.6	36.4	37.2	37.2	37.9	38.7	38.7	38.7
82.5°	24.8	25.5	27.1	27.9	27.9	27.9	29.4	29.4	30.2	29.4
85°	17.0	17.8	19.4	20.1	20.9	20.9	20.9	21.7	22.5	21.7
87.5°	10.8	12.4	13.2	13.9	13.9	13.9	14.7	15.5	15.5	15.5
90°	6.2	6.2	7.0	7.7	7.7	8.5	8.5	9.3	9.3	9.3
92.5°	6.2	7.0	7.0	7.0	7.7	7.7	7.7	8.5	8.5	8.5
95°	52.6	37.9	21.7	17.0	14.7	14.7	13.9	14.7	13.9	13.9
97.5°	159.5	172.6	178.8	187.3	192.0	191.2	188.1	191.2	188.9	191.2
100°	226.8	239.2	248.5	250.8	255.5	257.8	266.3	272.5	275.6	279.5
102.5°	281.8	296.5	307.3	313.5	318.2	321.3	331.3	340.6	345.3	348.4
105°	332.1	347.6	360.7	366.9	372.4	375.5	386.3	397.1	404.1	408.0
107.5°	372.4	390.2	404.1	413.4	418.8	424.2	437.4	448.2	456.7	460.6
110°	408.7	426.6	441.3	452.1	458.3	463.7	478.4	490.8	500.1	504.7



TEST NUMBER: P395407

CATALOG NUMBER: I3-CL-40L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	438.9	458.3	473.0	484.6	490.8	498.5	512.5	526.4	535.7	541.1
115°	463.7	483.8	499.3	511.7	518.7	525.6	541.9	555.8	565.1	569.0
117.5°	484.6	504.7	521.0	533.4	541.1	548.9	565.1	577.5	587.6	590.7
120°	501.6	521.8	538.0	552.0	559.7	566.7	582.2	595.3	604.6	606.9
122.5°	513.3	534.2	551.2	566.7	573.6	580.6	595.3	608.5	617.0	619.3
125°	521.8	543.4	560.5	576.7	583.7	590.7	604.6	617.8	624.7	627.8
127.5°	527.2	548.9	567.4	582.9	590.7	596.9	610.8	622.4	629.4	631.7
130°	528.7	551.2	569.8	586.0	593.0	599.2	612.3	624.0	630.1	631.7
132.5°	528.7	550.4	569.8	585.2	592.2	598.4	610.8	621.6	627.8	629.4
135°	525.6	546.5	565.9	581.4	588.3	594.5	606.9	616.2	622.4	623.2
137.5°	520.2	540.3	558.9	574.4	581.4	587.6	598.4	608.5	613.9	615.4
140°	513.3	531.8	550.4	565.1	572.1	577.5	588.3	596.9	602.3	603.8
142.5°	504.0	522.5	539.6	554.3	559.7	565.9	575.2	583.7	588.3	589.9
145°	493.9	511.7	527.2	540.3	546.5	552.0	560.5	568.2	572.9	574.4
147.5°	480.7	498.5	513.3	525.6	531.1	536.5	544.2	551.2	555.8	557.4
150°	464.5	480.7	496.2	507.8	513.3	518.7	526.4	532.6	537.3	538.0
152.5°	448.2	463.7	476.9	488.5	493.9	499.3	506.3	512.5	517.9	517.9
155°	432.7	445.9	458.3	468.4	473.0	477.6	484.6	490.0	494.7	494.7
157.5°	416.5	428.9	438.9	448.2	452.1	456.0	462.2	466.8	470.7	469.9
160°	401.0	410.3	419.6	427.3	431.2	434.3	438.9	442.8	446.7	445.9
162.5°	384.0	392.5	400.2	405.6	408.7	411.1	415.7	419.6	421.9	421.9
165°	364.6	372.4	379.3	384.7	387.8	389.4	393.3	395.6	397.9	397.9
167.5°	344.5	350.7	356.9	361.5	364.6	366.2	370.0	371.6	374.7	373.9
170°	324.4	329.0	333.7	337.5	339.1	340.6	343.7	345.3	346.8	346.8
172.5°	308.1	309.7	312.0	315.1	315.1	315.8	317.4	318.2	318.9	318.9
175°	298.8	299.6	299.6	299.6	299.6	299.6	300.4	299.6	300.4	299.6
177.5°	294.9	294.9	294.2	294.2	293.4	294.2	293.4	292.6	292.6	291.9
180°	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4

(END OF REPORT)