

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: P395835

Luminaire Tested: **I3-WL-30L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395835
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-WL-30L82765-1D-UNV-W2A-W-4 (6500K)
Description: CORELITE I3, DOWNLIGHT TRAY
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2986.1 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.32
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Direct

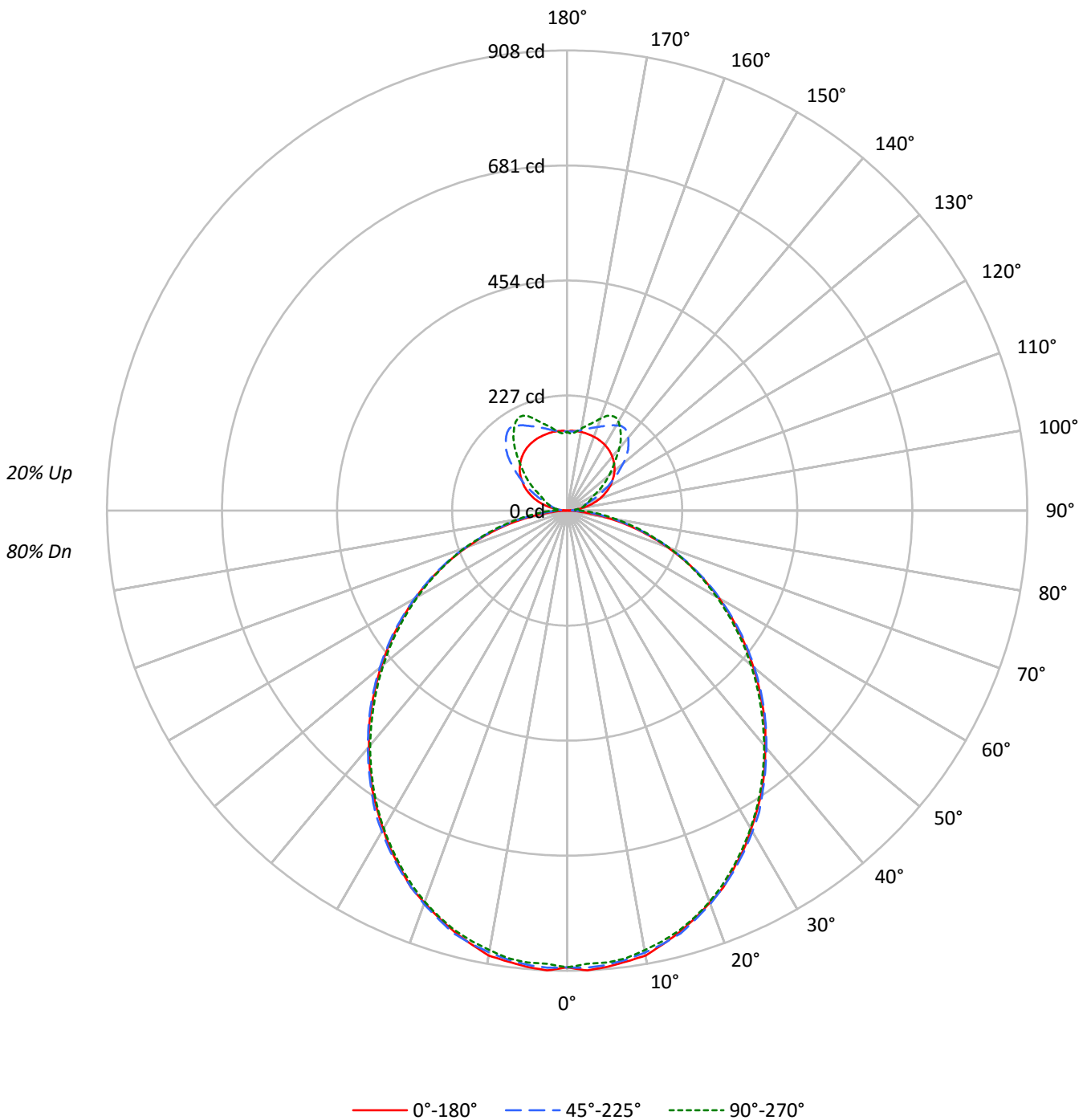
Input Watts (W): 26.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395835

CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (6500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395835

CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (6500K)

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	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	80
1	104	100	96	92	99	95	92	88	87	85	82	80	78	76	73	72	70	67
2	95	87	80	75	90	83	78	73	77	72	68	70	67	63	65	62	59	56
3	87	77	69	62	82	73	66	61	68	62	57	62	57	53	57	53	50	47
4	79	68	59	53	75	65	57	52	60	54	49	55	50	46	51	47	43	40
5	73	61	52	46	69	58	50	44	54	47	42	50	44	40	46	41	38	35
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33	31
7	62	49	41	35	59	48	40	34	44	38	33	41	35	31	38	33	30	27
8	58	45	37	31	55	43	36	31	41	34	29	38	32	28	35	30	26	24
9	54	41	33	28	52	40	33	27	37	31	26	35	29	25	32	28	24	22
10	51	38	30	25	49	37	30	25	34	28	24	32	27	23	30	25	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4954	4954	4954
5°	4967	4852	4799
10°	4938	4720	4643
15°	4840	4590	4477
20°	4743	4404	4284
25°	4630	4217	4070
30°	4497	4024	3852
35°	4372	3809	3626
40°	4216	3588	3390
45°	4065	3371	3143
50°	3903	3135	2893
55°	3734	2892	2638
60°	3545	2623	2376
65°	3326	2331	2093
70°	3017	1990	1798
75°	2599	1577	1443
80°	1984	1136	1078
85°	1035	679	730



TEST NUMBER: P395835

CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (6500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.2	2.9
10°-20°	241.5	8.1
20°-30°	357.6	12.0
30°-40°	418.0	14.0
40°-50°	419.9	14.1
50°-60°	369.0	12.4
60°-70°	276.5	9.3
70°-80°	157.2	5.3
80°-90°	49.7	1.7
90°-100°	17.9	0.6
100°-110°	43.6	1.5
110°-120°	72.5	2.4
120°-130°	101.6	3.4
130°-140°	117.2	3.9
140°-150°	111.9	3.7
150°-160°	84.1	2.8
160°-170°	47.6	1.6
170°-180°	15.1	0.5
0°-30°	684.4	22.9
0°-40°	1102.4	36.9
0°-60°	1891.3	63.3
0°-90°	2374.7	79.5
90°-120°	134.0	4.5
90°-150°	464.6	15.6
90°-180°	611.0	20.5
0°-180°	2986.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	901	901	901	901	901	
5°	904	894	900	897	895	86
15°	860	852	864	858	857	243
25°	779	776	782	779	776	359
35°	671	666	673	668	666	419
45°	545	544	549	543	539	421
55°	413	415	416	411	406	369
65°	279	280	281	279	276	276
75°	142	144	148	152	152	150
85°	24	32	44	53	56	32
90°	1	5	14	21	24	2
95°	13	13	13	14	15	14
105°	51	44	33	34	35	53
115°	84	104	64	52	51	83
125°	111	152	115	92	85	99
135°	131	166	170	141	131	101
145°	145	165	198	190	184	91
155°	152	162	184	204	207	70
165°	156	159	168	175	177	44
175°	158	156	156	156	154	15
180°	156	156	156	156	156	



TEST NUMBER: P395835

CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3
2.5°	908.2	906.7	902.9	899.0	898.3	897.5	897.5	896.8	896.8	898.3	902.9
5°	903.6	902.9	899.0	895.2	894.5	894.5	893.7	893.7	893.7	895.2	899.8
7.5°	897.5	896.0	892.2	888.4	887.6	887.6	887.6	886.8	887.6	888.4	893.7
10°	891.4	890.7	886.8	882.3	880.7	880.7	880.0	878.5	878.5	880.0	885.3
12.5°	876.2	875.4	871.6	868.5	868.5	869.3	869.3	870.1	870.1	871.6	875.4
15°	860.2	859.4	855.6	852.5	852.5	852.5	851.8	851.8	852.5	857.1	864.0
17.5°	842.6	841.8	838.8	835.7	835.7	835.7	835.0	835.0	835.7	838.0	844.9
20°	823.5	822.8	819.7	816.7	816.7	816.7	815.9	816.7	816.7	819.7	825.8
22.5°	805.2	803.7	799.9	796.9	795.3	795.3	795.3	794.6	796.1	798.4	804.5
25°	778.6	777.8	776.3	774.0	775.5	776.3	774.7	773.2	773.2	776.3	781.6
27.5°	754.2	752.6	750.3	748.1	746.5	747.3	748.1	749.6	751.9	752.6	757.2
30°	725.9	725.2	722.9	719.8	720.6	721.4	721.4	721.4	722.9	729.8	731.3
32.5°	698.5	697.7	695.4	692.4	693.2	693.9	693.2	693.9	695.4	698.5	705.4
35°	671.0	669.5	667.2	666.5	665.7	665.7	665.7	666.5	667.2	669.5	673.3
37.5°	639.8	638.3	636.7	634.4	636.0	637.5	638.3	637.5	638.3	641.3	642.8
40°	608.5	607.7	606.2	604.7	605.5	606.2	605.5	607.7	609.3	610.8	611.6
42.5°	578.8	577.2	575.7	575.0	575.0	575.7	575.7	577.2	577.2	581.1	580.3
45°	545.2	544.5	543.7	543.7	544.5	544.5	544.5	545.2	546.0	548.3	549.0
47.5°	512.4	511.7	511.7	511.7	511.7	512.4	513.2	515.5	514.0	514.7	515.5
50°	479.6	478.9	478.9	478.9	480.4	480.4	481.9	482.7	483.5	481.9	482.7
52.5°	446.1	445.3	446.9	446.9	448.4	448.4	450.7	448.4	449.9	449.1	449.1
55°	413.3	412.5	414.1	413.3	414.8	414.8	416.3	417.1	416.3	416.3	416.3
57.5°	379.7	379.0	379.7	380.5	381.3	381.3	383.6	383.6	381.3	382.8	382.0
60°	346.2	345.4	346.2	347.0	347.7	347.7	348.5	347.0	348.5	349.2	348.5
62.5°	312.6	311.9	313.4	312.6	313.4	314.2	314.2	316.5	315.7	315.7	314.9
65°	279.1	278.3	278.3	278.3	279.1	279.9	280.6	281.4	281.4	282.1	281.4
67.5°	244.8	244.0	244.8	244.0	244.8	245.5	247.1	247.8	247.8	248.6	247.8
70°	209.7	210.5	209.7	210.5	211.2	212.0	212.8	214.3	214.3	214.3	214.3
72.5°	175.4	174.6	174.6	173.9	175.4	176.1	176.9	179.2	179.2	180.0	180.0
75°	141.8	140.3	141.1	140.3	143.4	144.1	144.1	146.4	147.2	148.7	147.9
77.5°	109.0	109.0	107.5	109.8	110.6	112.1	113.6	115.1	115.9	118.2	118.2
80°	77.8	77.8	77.0	78.5	81.6	82.4	84.6	85.4	87.7	89.2	90.0
82.5°	49.6	49.6	49.6	51.9	54.1	54.9	57.2	59.5	61.0	63.3	64.1
85°	24.4	25.9	25.9	29.0	30.5	32.0	32.8	35.8	38.1	41.2	43.5
87.5°	7.6	8.4	9.2	10.7	13.7	14.5	16.0	19.1	21.4	24.4	26.7
90°	0.8	0.8	1.5	2.3	3.8	4.6	6.1	7.6	9.9	12.2	13.7
92.5°	5.3	5.3	6.1	6.1	6.1	6.1	6.1	6.9	7.6	9.2	9.9
95°	13.0	20.6	12.2	11.4	13.0	13.0	13.7	13.0	13.0	13.0	13.0
97.5°	21.4	38.1	25.2	17.5	16.8	17.5	17.5	19.1	19.8	20.6	20.6
100°	31.3	48.0	44.2	29.0	23.6	22.9	22.9	22.9	23.6	24.4	25.2
102.5°	41.2	54.9	63.3	45.0	33.6	30.5	29.0	28.2	27.5	28.2	28.2
105°	51.1	61.8	77.8	61.0	48.0	43.5	38.9	33.6	32.8	32.8	32.8
107.5°	60.2	68.6	88.5	79.3	62.5	58.0	52.6	44.2	38.9	38.1	37.4
110°	68.6	75.5	96.1	94.6	78.5	71.7	67.1	58.0	50.3	45.0	42.7



TEST NUMBER: P395835

CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	76.3	82.4	101.4	107.5	96.1	87.7	80.8	71.7	63.3	56.4	51.1
115°	83.9	89.2	106.0	118.2	111.3	104.5	96.8	85.4	77.0	70.2	64.1
117.5°	91.5	96.1	110.6	125.8	124.3	119.7	113.6	99.9	90.0	83.1	76.3
120°	98.4	102.9	115.1	131.2	135.7	131.9	128.1	115.9	103.7	96.1	90.0
122.5°	104.5	108.3	119.7	135.7	144.1	143.4	139.5	131.2	119.0	109.8	102.2
125°	110.6	114.4	124.3	138.8	150.2	152.5	151.0	144.1	135.0	124.3	115.1
127.5°	116.7	119.7	128.9	141.8	154.8	159.4	160.1	155.6	148.7	139.5	129.6
130°	122.0	125.1	132.7	144.1	157.8	163.2	166.2	165.5	160.1	154.0	144.1
132.5°	126.6	128.9	136.5	146.4	159.4	165.5	170.0	173.9	170.0	165.5	158.6
135°	131.2	133.4	139.5	148.7	160.1	166.2	172.3	178.4	179.2	175.4	170.0
137.5°	135.0	136.5	142.6	150.2	160.1	166.2	172.3	180.7	185.3	183.8	179.2
140°	138.8	140.3	144.9	152.5	160.9	166.2	171.6	181.5	187.6	189.9	187.6
142.5°	141.8	143.4	147.2	154.0	160.9	165.5	170.8	180.0	188.3	192.9	194.4
145°	144.9	145.6	149.5	154.8	160.9	164.7	169.3	178.4	186.8	193.7	198.3
147.5°	147.2	147.9	150.2	155.6	160.9	163.9	167.8	175.4	183.8	191.4	198.3
150°	149.5	149.5	151.7	155.6	160.9	163.2	166.2	173.1	180.0	187.6	193.7
152.5°	151.0	151.0	153.3	156.3	160.1	162.4	165.5	170.8	176.9	183.8	189.9
155°	152.5	152.5	154.0	156.3	160.1	161.7	163.9	168.5	173.9	179.2	184.5
157.5°	154.0	154.0	154.8	157.1	159.4	160.9	163.2	167.0	170.8	175.4	180.0
160°	154.8	154.8	155.6	157.1	158.6	160.1	161.7	164.7	168.5	171.6	175.4
162.5°	155.6	155.6	156.3	157.1	158.6	159.4	160.1	163.2	165.5	168.5	171.6
165°	156.3	156.3	156.3	157.1	157.8	158.6	159.4	160.9	163.2	165.5	167.8
167.5°	157.1	157.1	157.1	157.1	157.8	157.8	158.6	159.4	160.9	162.4	163.9
170°	157.8	157.1	157.1	157.8	157.1	157.1	157.8	158.6	158.6	160.1	160.9
172.5°	157.8	157.8	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.8	158.6
175°	157.8	157.8	157.1	157.1	157.1	156.3	156.3	156.3	156.3	156.3	156.3
177.5°	157.8	157.8	157.1	157.1	156.3	156.3	156.3	156.3	156.3	156.3	156.3
180°	155.6	155.6	155.6	155.6	155.6	155.6	155.6	155.6	155.6	155.6	155.6



TEST NUMBER: P395835

CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3
2.5°	907.4	903.6	902.1	901.3	900.6	899.8	898.3	896.8	895.2	895.2
5°	903.6	899.8	898.3	897.5	896.8	896.0	895.2	895.2	895.2	895.2
7.5°	897.5	893.7	892.2	891.4	891.4	890.7	890.7	890.7	889.9	890.7
10°	888.4	884.6	883.8	883.0	882.3	880.7	880.7	880.7	880.0	880.7
12.5°	876.9	873.1	872.4	871.6	870.8	870.1	870.1	869.3	869.3	870.1
15°	865.5	860.2	858.6	858.6	857.9	857.1	857.9	857.1	857.1	857.1
17.5°	848.7	846.4	844.1	842.6	841.8	841.1	841.1	840.3	840.3	840.3
20°	826.6	826.6	826.6	822.8	822.0	821.3	821.3	821.3	821.3	821.3
22.5°	805.2	801.4	804.5	802.2	800.7	799.1	799.9	799.9	799.9	799.9
25°	781.6	778.6	779.3	780.1	778.6	776.3	776.3	776.3	776.3	775.5
27.5°	756.4	754.2	753.4	754.2	755.7	754.2	751.9	749.6	750.3	750.3
30°	729.0	728.2	727.5	725.9	727.5	728.2	724.4	723.7	723.7	723.7
32.5°	701.5	700.8	698.5	697.0	697.7	699.3	697.7	696.2	696.2	696.2
35°	674.1	671.0	668.8	668.0	668.0	669.5	668.8	666.5	666.5	666.5
37.5°	642.1	642.8	639.0	638.3	638.3	638.3	639.8	636.0	636.7	636.0
40°	610.8	611.6	609.3	607.0	607.7	606.2	608.5	604.7	604.7	604.7
42.5°	579.5	578.0	578.8	574.2	575.0	575.0	575.7	573.4	572.7	571.9
45°	547.5	546.0	545.2	542.9	542.9	542.2	542.2	539.1	539.1	539.1
47.5°	514.0	513.2	511.7	510.1	510.1	509.4	507.9	507.1	506.3	506.3
50°	481.9	479.6	477.4	478.1	477.4	476.6	475.1	474.3	473.5	472.8
52.5°	447.6	447.6	444.6	444.6	444.6	443.8	442.3	440.8	440.8	440.0
55°	414.1	413.3	411.0	410.2	411.0	410.2	408.7	407.2	407.2	406.4
57.5°	380.5	379.0	378.2	378.2	377.5	377.5	375.2	373.6	374.4	373.6
60°	346.2	346.2	345.4	344.7	344.7	343.9	341.6	341.6	341.6	340.9
62.5°	313.4	313.4	311.9	311.1	311.9	311.1	310.4	309.6	308.8	308.1
65°	279.1	279.9	278.3	279.1	279.1	277.6	277.6	276.8	276.8	276.0
67.5°	247.1	247.1	246.3	246.3	247.1	246.3	246.3	245.5	245.5	244.8
70°	214.3	215.8	215.0	215.0	215.0	214.3	214.3	214.3	213.5	214.3
72.5°	181.5	181.5	181.5	181.5	181.5	182.2	182.2	182.2	182.2	181.5
75°	151.0	151.7	151.0	151.7	152.5	152.5	152.5	152.5	153.3	152.5
77.5°	121.2	122.0	122.0	123.5	123.5	123.5	124.3	124.3	124.3	124.3
80°	93.0	93.8	94.6	96.1	96.1	97.6	98.4	98.4	98.4	98.4
82.5°	67.1	69.4	70.2	72.4	73.2	73.2	74.7	75.5	75.5	75.5
85°	46.5	48.8	50.3	51.9	53.4	53.4	54.9	54.9	55.7	55.7
87.5°	29.0	31.3	32.8	35.1	35.8	36.6	37.4	38.1	38.9	38.9
90°	16.0	17.5	19.1	20.6	20.6	21.4	22.1	22.9	23.6	23.6
92.5°	11.4	12.2	13.7	14.5	14.5	15.3	16.0	16.0	16.8	16.8
95°	13.0	13.7	13.7	14.5	14.5	14.5	15.3	15.3	15.3	15.3
97.5°	19.8	19.8	19.8	19.1	19.1	19.1	19.1	19.1	19.1	19.1
100°	25.9	26.7	26.7	26.7	27.5	27.5	27.5	27.5	26.7	26.7
102.5°	29.0	29.7	30.5	31.3	31.3	31.3	32.0	32.0	32.0	32.0
105°	32.8	32.8	33.6	34.3	34.3	34.3	35.1	35.1	35.1	35.1
107.5°	37.4	37.4	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
110°	42.7	42.7	42.7	41.9	42.7	41.9	41.9	41.9	41.9	41.9



TEST NUMBER: P395835

CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	48.8	48.0	48.0	47.3	47.3	47.3	46.5	46.5	46.5	46.5
115°	58.7	54.9	53.4	51.9	51.9	51.9	51.1	51.1	51.1	51.1
117.5°	70.9	65.6	62.5	59.5	58.7	58.0	56.4	56.4	55.7	55.7
120°	83.9	78.5	74.0	70.2	68.6	67.9	65.6	64.1	62.5	62.5
122.5°	96.1	90.7	86.2	82.4	80.8	79.3	77.0	75.5	74.0	74.0
125°	108.3	102.9	98.4	94.6	92.3	90.7	88.5	86.9	85.4	85.4
127.5°	121.2	114.4	109.8	106.0	103.7	102.9	99.9	98.4	96.8	96.8
130°	135.7	127.3	121.2	116.7	115.1	113.6	111.3	109.8	108.3	108.3
132.5°	150.2	141.8	135.0	128.9	126.6	125.1	122.0	120.5	119.0	119.0
135°	163.9	156.3	149.5	143.4	141.1	138.8	135.7	132.7	131.2	131.2
137.5°	174.6	169.3	163.2	157.8	155.6	153.3	150.2	147.2	144.9	145.6
140°	183.8	179.2	175.4	171.6	169.3	167.8	164.7	162.4	160.1	160.1
142.5°	192.2	188.3	184.5	181.5	180.7	180.0	177.7	175.4	173.9	173.9
145°	199.8	197.5	194.4	190.6	189.9	189.1	186.8	185.3	184.5	184.5
147.5°	202.1	202.8	202.1	199.8	199.0	198.3	196.7	195.2	194.4	194.4
150°	200.5	203.6	205.1	205.1	205.1	205.1	205.1	203.6	202.8	202.8
152.5°	196.0	200.5	203.6	205.9	206.6	207.4	207.4	208.2	207.4	207.4
155°	190.6	195.2	199.8	202.1	203.6	204.4	205.9	206.6	207.4	206.6
157.5°	184.5	188.3	191.4	196.0	197.5	199.0	200.5	202.1	202.8	202.1
160°	179.2	182.2	184.5	187.6	188.3	189.9	191.4	192.2	193.7	192.9
162.5°	173.9	176.1	178.4	180.0	181.5	182.2	183.8	184.5	185.3	184.5
165°	170.0	171.6	172.3	173.9	174.6	175.4	176.1	176.9	176.9	176.9
167.5°	165.5	167.0	167.8	168.5	169.3	170.0	170.0	170.8	170.8	170.8
170°	161.7	162.4	163.2	163.9	163.9	164.7	164.7	164.7	165.5	164.7
172.5°	158.6	158.6	158.6	159.4	159.4	159.4	159.4	159.4	159.4	158.6
175°	157.1	157.1	156.3	156.3	156.3	156.3	156.3	155.6	154.8	154.0
177.5°	156.3	155.6	155.6	154.8	154.8	154.8	154.0	153.3	152.5	151.7
180°	155.6	155.6	155.6	155.6	155.6	155.6	155.6	155.6	155.6	155.6

(END OF REPORT)