

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: P395869

Luminaire Tested: **I3-WL-40L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395869
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-40L92765-1D-UNV-W2A-W-4 (3500K)
Description: CORELITE I3, DOWNLIGHT TRAY
4000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3256.7 lumens
Efficiency: N/A
Efficacy: 88.5 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

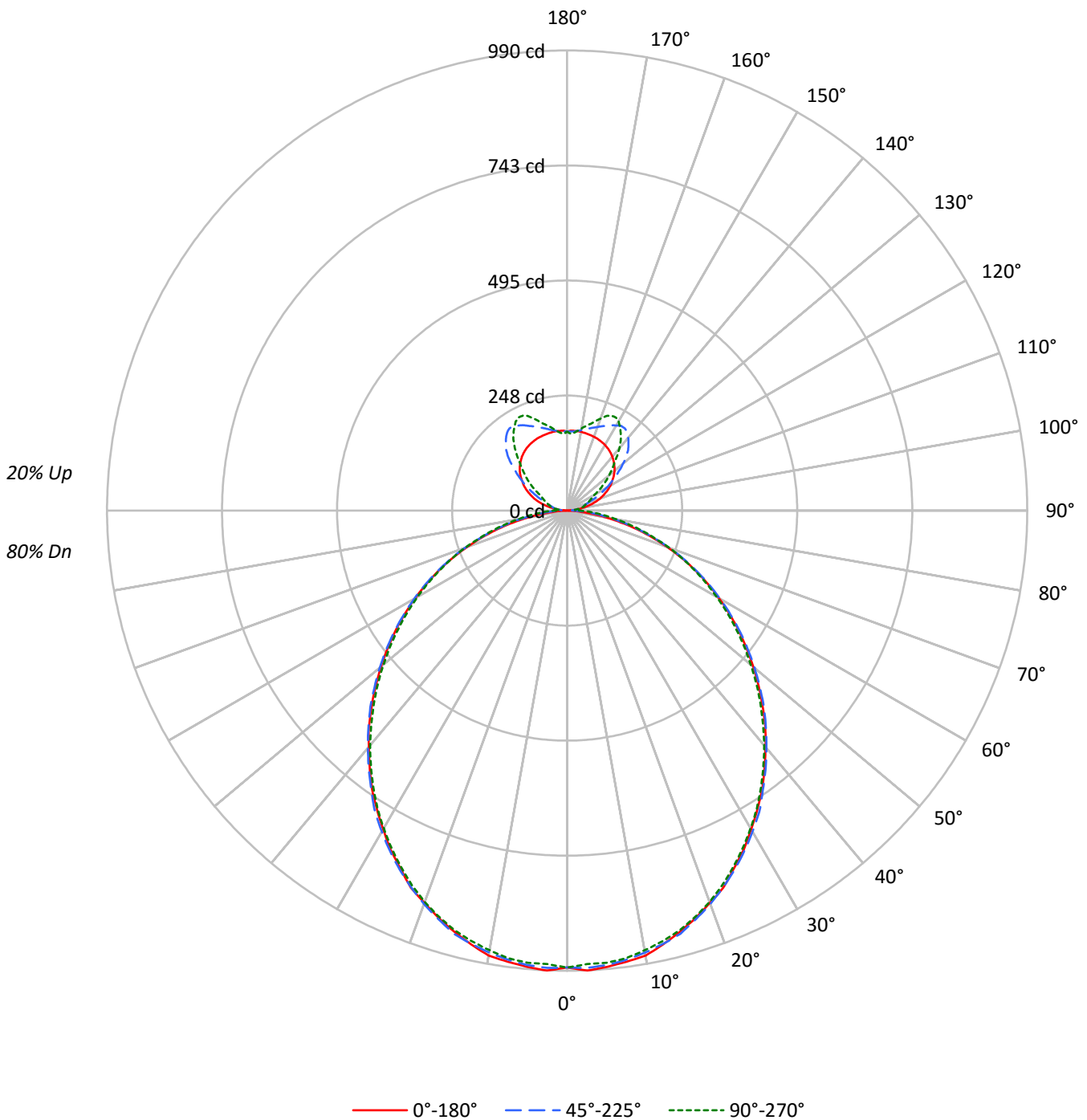
Input Watts (W): 36.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P395869

CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (3500K)

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°	5403	5403	5403
5°	5417	5291	5235
10°	5386	5147	5064
15°	5278	5006	4883
20°	5174	4804	4672
25°	5049	4599	4439
30°	4904	4388	4200
35°	4768	4154	3954
40°	4598	3913	3698
45°	4433	3677	3428
50°	4257	3418	3155
55°	4072	3154	2878
60°	3866	2861	2590
65°	3628	2542	2284
70°	3291	2171	1960
75°	2835	1720	1574
80°	2162	1238	1175
85°	1129	740	796



TEST NUMBER: P395869

CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.9	2.9
10°-20°	263.4	8.1
20°-30°	390.0	12.0
30°-40°	455.9	14.0
40°-50°	457.9	14.1
50°-60°	402.5	12.4
60°-70°	301.6	9.3
70°-80°	171.5	5.3
80°-90°	54.1	1.7
90°-100°	19.5	0.6
100°-110°	47.6	1.5
110°-120°	79.0	2.4
120°-130°	110.9	3.4
130°-140°	127.8	3.9
140°-150°	122.0	3.7
150°-160°	91.8	2.8
160°-170°	51.9	1.6
170°-180°	16.4	0.5
0°-30°	746.4	22.9
0°-40°	1202.2	36.9
0°-60°	2062.6	63.3
0°-90°	2589.8	79.5
90°-120°	146.1	4.5
90°-150°	506.7	15.6
90°-180°	667.0	20.5
0°-180°	3256.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	983	983	983	983	983	
5°	986	976	981	978	976	94
15°	938	930	942	936	935	265
25°	849	847	852	849	846	391
35°	732	726	734	728	727	457
45°	595	594	599	592	588	459
55°	451	452	454	448	443	403
65°	304	305	307	304	301	301
75°	155	157	161	166	166	164
85°	27	35	47	58	61	35
90°	1	5	15	22	26	2
95°	14	14	14	16	17	16
105°	56	47	36	37	38	58
115°	92	114	70	57	56	91
125°	121	166	126	101	93	108
135°	143	181	186	154	143	110
145°	158	180	216	207	201	99
155°	166	176	201	222	225	77
165°	170	173	183	190	193	48
175°	172	170	170	170	168	16
180°	170	170	170	170	170	



TEST NUMBER: P395869

CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	983.0	983.0	983.0	983.0	983.0	983.0	983.0	983.0	983.0	983.0	983.0
2.5°	990.5	988.8	984.7	980.5	979.7	978.8	978.8	978.0	978.0	979.7	984.7
5°	985.5	984.7	980.5	976.4	975.5	975.5	974.7	974.7	974.7	976.4	981.3
7.5°	978.8	977.2	973.0	968.9	968.0	968.0	968.0	967.2	968.0	968.9	974.7
10°	972.2	971.4	967.2	962.2	960.6	960.6	959.7	958.1	958.1	959.7	965.5
12.5°	955.6	954.7	950.6	947.2	947.2	948.1	948.1	948.9	948.9	950.6	954.7
15°	938.1	937.3	933.1	929.8	929.8	929.8	928.9	928.9	929.8	934.8	942.3
17.5°	919.0	918.1	914.8	911.5	911.5	911.5	910.7	910.7	911.5	914.0	921.5
20°	898.2	897.3	894.0	890.7	890.7	890.7	889.9	890.7	890.7	894.0	900.7
22.5°	878.2	876.6	872.4	869.1	867.4	867.4	867.4	866.6	868.2	870.7	877.4
25°	849.1	848.3	846.6	844.1	845.8	846.6	845.0	843.3	843.3	846.6	852.4
27.5°	822.5	820.8	818.3	815.8	814.2	815.0	815.8	817.5	820.0	820.8	825.8
30°	791.7	790.9	788.4	785.1	785.9	786.7	786.7	786.7	788.4	795.9	797.5
32.5°	761.8	761.0	758.5	755.1	756.0	756.8	756.0	756.8	758.5	761.8	769.3
35°	731.8	730.2	727.7	726.9	726.0	726.0	726.0	726.9	727.7	730.2	734.3
37.5°	697.8	696.1	694.4	691.9	693.6	695.3	696.1	695.3	696.1	699.4	701.1
40°	663.7	662.8	661.2	659.5	660.3	661.2	660.3	662.8	664.5	666.1	667.0
42.5°	631.2	629.6	627.9	627.1	627.1	627.9	627.9	629.6	629.6	633.7	632.9
45°	594.6	593.8	593.0	593.0	593.8	593.8	593.8	594.6	595.5	598.0	598.8
47.5°	558.9	558.0	558.0	558.0	558.0	558.9	559.7	562.2	560.5	561.4	562.2
50°	523.1	522.3	522.3	522.3	523.9	523.9	525.6	526.4	527.3	525.6	526.4
52.5°	486.5	485.7	487.3	487.3	489.0	489.0	491.5	489.0	490.7	489.8	489.8
55°	450.8	449.9	451.6	450.8	452.4	452.4	454.1	454.9	454.1	454.1	454.1
57.5°	414.2	413.3	414.2	415.0	415.8	415.8	418.3	418.3	415.8	417.5	416.7
60°	377.6	376.7	377.6	378.4	379.2	379.2	380.1	378.4	380.1	380.9	380.1
62.5°	341.0	340.1	341.8	341.0	341.8	342.6	342.6	345.1	344.3	344.3	343.5
65°	304.4	303.6	303.6	303.6	304.4	305.2	306.0	306.9	306.9	307.7	306.9
67.5°	267.0	266.1	267.0	266.1	267.0	267.8	269.5	270.3	270.3	271.1	270.3
70°	228.7	229.5	228.7	229.5	230.4	231.2	232.0	233.7	233.7	233.7	233.7
72.5°	191.3	190.4	190.4	189.6	191.3	192.1	192.9	195.4	195.4	196.3	196.3
75°	154.7	153.0	153.9	153.0	156.3	157.2	157.2	159.7	160.5	162.2	161.3
77.5°	118.9	118.9	117.3	119.8	120.6	122.3	123.9	125.6	126.4	128.9	128.9
80°	84.8	84.8	84.0	85.7	89.0	89.8	92.3	93.1	95.6	97.3	98.1
82.5°	54.1	54.1	54.1	56.6	59.0	59.9	62.4	64.9	66.5	69.0	69.9
85°	26.6	28.3	28.3	31.6	33.3	34.9	35.8	39.1	41.6	44.9	47.4
87.5°	8.3	9.1	10.0	11.6	15.0	15.8	17.5	20.8	23.3	26.6	29.1
90°	0.8	0.8	1.7	2.5	4.2	5.0	6.7	8.3	10.8	13.3	15.0
92.5°	5.8	5.8	6.7	6.7	6.7	6.7	6.7	7.5	8.3	10.0	10.8
95°	14.1	22.5	13.3	12.5	14.1	14.1	15.0	14.1	14.1	14.1	14.1
97.5°	23.3	41.6	27.4	19.1	18.3	19.1	19.1	20.8	21.6	22.5	22.5
100°	34.1	52.4	48.2	31.6	25.8	24.9	24.9	24.9	25.8	26.6	27.4
102.5°	44.9	59.9	69.0	49.1	36.6	33.3	31.6	30.8	29.9	30.8	30.8
105°	55.7	67.4	84.8	66.5	52.4	47.4	42.4	36.6	35.8	35.8	35.8
107.5°	65.7	74.8	96.5	86.5	68.2	63.2	57.4	48.2	42.4	41.6	40.8
110°	74.8	82.3	104.8	103.1	85.7	78.2	73.2	63.2	54.9	49.1	46.6



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CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	83.2	89.8	110.6	117.3	104.8	95.6	88.2	78.2	69.0	61.5	55.7
115°	91.5	97.3	115.6	128.9	121.4	113.9	105.6	93.1	84.0	76.5	69.9
117.5°	99.8	104.8	120.6	137.2	135.6	130.6	123.9	108.9	98.1	90.6	83.2
120°	107.3	112.3	125.6	143.0	148.0	143.9	139.7	126.4	113.1	104.8	98.1
122.5°	113.9	118.1	130.6	148.0	157.2	156.3	152.2	143.0	129.7	119.8	111.4
125°	120.6	124.7	135.6	151.4	163.8	166.3	164.7	157.2	147.2	135.6	125.6
127.5°	127.2	130.6	140.5	154.7	168.8	173.8	174.6	169.7	162.2	152.2	141.4
130°	133.1	136.4	144.7	157.2	172.2	178.0	181.3	180.5	174.6	168.0	157.2
132.5°	138.1	140.5	148.9	159.7	173.8	180.5	185.5	189.6	185.5	180.5	173.0
135°	143.0	145.5	152.2	162.2	174.6	181.3	188.0	194.6	195.4	191.3	185.5
137.5°	147.2	148.9	155.5	163.8	174.6	181.3	188.0	197.1	202.1	200.4	195.4
140°	151.4	153.0	158.0	166.3	175.5	181.3	187.1	197.9	204.6	207.1	204.6
142.5°	154.7	156.3	160.5	168.0	175.5	180.5	186.3	196.3	205.4	210.4	212.1
145°	158.0	158.8	163.0	168.8	175.5	179.6	184.6	194.6	203.8	211.2	216.2
147.5°	160.5	161.3	163.8	169.7	175.5	178.8	183.0	191.3	200.4	208.7	216.2
150°	163.0	163.0	165.5	169.7	175.5	178.0	181.3	188.8	196.3	204.6	211.2
152.5°	164.7	164.7	167.2	170.5	174.6	177.1	180.5	186.3	192.9	200.4	207.1
155°	166.3	166.3	168.0	170.5	174.6	176.3	178.8	183.8	189.6	195.4	201.3
157.5°	168.0	168.0	168.8	171.3	173.8	175.5	178.0	182.1	186.3	191.3	196.3
160°	168.8	168.8	169.7	171.3	173.0	174.6	176.3	179.6	183.8	187.1	191.3
162.5°	169.7	169.7	170.5	171.3	173.0	173.8	174.6	178.0	180.5	183.8	187.1
165°	170.5	170.5	170.5	171.3	172.2	173.0	173.8	175.5	178.0	180.5	183.0
167.5°	171.3	171.3	171.3	171.3	172.2	172.2	173.0	173.8	175.5	177.1	178.8
170°	172.2	171.3	171.3	172.2	171.3	171.3	172.2	173.0	173.0	174.6	175.5
172.5°	172.2	172.2	171.3	171.3	171.3	171.3	171.3	171.3	171.3	172.2	173.0
175°	172.2	172.2	171.3	171.3	171.3	170.5	170.5	170.5	170.5	170.5	170.5
177.5°	172.2	172.2	171.3	171.3	170.5	170.5	170.5	170.5	170.5	170.5	170.5
180°	169.7	169.7	169.7	169.7	169.7	169.7	169.7	169.7	169.7	169.7	169.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	983.0	983.0	983.0	983.0	983.0	983.0	983.0	983.0	983.0	983.0
2.5°	989.7	985.5	983.8	983.0	982.2	981.3	979.7	978.0	976.4	976.4
5°	985.5	981.3	979.7	978.8	978.0	977.2	976.4	976.4	976.4	976.4
7.5°	978.8	974.7	973.0	972.2	972.2	971.4	971.4	971.4	970.5	971.4
10°	968.9	964.7	963.9	963.0	962.2	960.6	960.6	960.6	959.7	960.6
12.5°	956.4	952.2	951.4	950.6	949.7	948.9	948.9	948.1	948.1	948.9
15°	943.9	938.1	936.4	936.4	935.6	934.8	935.6	934.8	934.8	934.8
17.5°	925.6	923.1	920.6	919.0	918.1	917.3	917.3	916.5	916.5	916.5
20°	901.5	901.5	901.5	897.3	896.5	895.7	895.7	895.7	895.7	895.7
22.5°	878.2	874.1	877.4	874.9	873.2	871.6	872.4	872.4	872.4	872.4
25°	852.4	849.1	849.9	850.8	849.1	846.6	846.6	846.6	846.6	845.8
27.5°	825.0	822.5	821.7	822.5	824.2	822.5	820.0	817.5	818.3	818.3
30°	795.1	794.2	793.4	791.7	793.4	794.2	790.1	789.2	789.2	789.2
32.5°	765.1	764.3	761.8	760.1	761.0	762.6	761.0	759.3	759.3	759.3
35°	735.2	731.8	729.4	728.5	728.5	730.2	729.4	726.9	726.9	726.9
37.5°	700.2	701.1	696.9	696.1	696.1	696.1	697.8	693.6	694.4	693.6
40°	666.1	667.0	664.5	662.0	662.8	661.2	663.7	659.5	659.5	659.5
42.5°	632.1	630.4	631.2	626.2	627.1	627.1	627.9	625.4	624.6	623.7
45°	597.1	595.5	594.6	592.1	592.1	591.3	591.3	588.0	588.0	588.0
47.5°	560.5	559.7	558.0	556.4	556.4	555.5	553.9	553.0	552.2	552.2
50°	525.6	523.1	520.6	521.4	520.6	519.8	518.1	517.3	516.5	515.6
52.5°	488.2	488.2	484.9	484.9	484.9	484.0	482.4	480.7	480.7	479.9
55°	451.6	450.8	448.3	447.4	448.3	447.4	445.8	444.1	444.1	443.3
57.5°	415.0	413.3	412.5	412.5	411.7	411.7	409.2	407.5	408.3	407.5
60°	377.6	377.6	376.7	375.9	375.9	375.1	372.6	372.6	372.6	371.7
62.5°	341.8	341.8	340.1	339.3	340.1	339.3	338.5	337.6	336.8	336.0
65°	304.4	305.2	303.6	304.4	304.4	302.7	302.7	301.9	301.9	301.1
67.5°	269.5	269.5	268.6	268.6	269.5	268.6	268.6	267.8	267.8	267.0
70°	233.7	235.4	234.5	234.5	234.5	233.7	233.7	233.7	232.9	233.7
72.5°	197.9	197.9	197.9	197.9	197.9	198.8	198.8	198.8	198.8	197.9
75°	164.7	165.5	164.7	165.5	166.3	166.3	166.3	166.3	167.2	166.3
77.5°	132.2	133.1	133.1	134.7	134.7	134.7	135.6	135.6	135.6	135.6
80°	101.5	102.3	103.1	104.8	104.8	106.5	107.3	107.3	107.3	107.3
82.5°	73.2	75.7	76.5	79.0	79.8	79.8	81.5	82.3	82.3	82.3
85°	50.7	53.2	54.9	56.6	58.2	58.2	59.9	59.9	60.7	60.7
87.5°	31.6	34.1	35.8	38.3	39.1	39.9	40.8	41.6	42.4	42.4
90°	17.5	19.1	20.8	22.5	22.5	23.3	24.1	24.9	25.8	25.8
92.5°	12.5	13.3	15.0	15.8	15.8	16.6	17.5	17.5	18.3	18.3
95°	14.1	15.0	15.0	15.8	15.8	15.8	16.6	16.6	16.6	16.6
97.5°	21.6	21.6	21.6	20.8	20.8	20.8	20.8	20.8	20.8	20.8
100°	28.3	29.1	29.1	29.1	29.9	29.9	29.9	29.9	29.1	29.1
102.5°	31.6	32.4	33.3	34.1	34.1	34.1	34.9	34.9	34.9	34.9
105°	35.8	35.8	36.6	37.4	37.4	37.4	38.3	38.3	38.3	38.3
107.5°	40.8	40.8	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
110°	46.6	46.6	46.6	45.7	46.6	45.7	45.7	45.7	45.7	45.7



TEST NUMBER: P395869

CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	53.2	52.4	52.4	51.6	51.6	51.6	50.7	50.7	50.7	50.7
115°	64.0	59.9	58.2	56.6	56.6	56.6	55.7	55.7	55.7	55.7
117.5°	77.3	71.5	68.2	64.9	64.0	63.2	61.5	61.5	60.7	60.7
120°	91.5	85.7	80.7	76.5	74.8	74.0	71.5	69.9	68.2	68.2
122.5°	104.8	99.0	94.0	89.8	88.2	86.5	84.0	82.3	80.7	80.7
125°	118.1	112.3	107.3	103.1	100.6	99.0	96.5	94.8	93.1	93.1
127.5°	132.2	124.7	119.8	115.6	113.1	112.3	108.9	107.3	105.6	105.6
130°	148.0	138.9	132.2	127.2	125.6	123.9	121.4	119.8	118.1	118.1
132.5°	163.8	154.7	147.2	140.5	138.1	136.4	133.1	131.4	129.7	129.7
135°	178.8	170.5	163.0	156.3	153.9	151.4	148.0	144.7	143.0	143.0
137.5°	190.4	184.6	178.0	172.2	169.7	167.2	163.8	160.5	158.0	158.8
140°	200.4	195.4	191.3	187.1	184.6	183.0	179.6	177.1	174.6	174.6
142.5°	209.6	205.4	201.3	197.9	197.1	196.3	193.8	191.3	189.6	189.6
145°	217.9	215.4	212.1	207.9	207.1	206.2	203.8	202.1	201.3	201.3
147.5°	220.4	221.2	220.4	217.9	217.1	216.2	214.6	212.9	212.1	212.1
150°	218.7	222.0	223.7	223.7	223.7	223.7	223.7	222.0	221.2	221.2
152.5°	213.7	218.7	222.0	224.5	225.4	226.2	226.2	227.0	226.2	226.2
155°	207.9	212.9	217.9	220.4	222.0	222.9	224.5	225.4	226.2	225.4
157.5°	201.3	205.4	208.7	213.7	215.4	217.1	218.7	220.4	221.2	220.4
160°	195.4	198.8	201.3	204.6	205.4	207.1	208.7	209.6	211.2	210.4
162.5°	189.6	192.1	194.6	196.3	197.9	198.8	200.4	201.3	202.1	201.3
165°	185.5	187.1	188.0	189.6	190.4	191.3	192.1	192.9	192.9	192.9
167.5°	180.5	182.1	183.0	183.8	184.6	185.5	185.5	186.3	186.3	186.3
170°	176.3	177.1	178.0	178.8	178.8	179.6	179.6	179.6	180.5	179.6
172.5°	173.0	173.0	173.0	173.8	173.8	173.8	173.8	173.8	173.8	173.0
175°	171.3	171.3	170.5	170.5	170.5	170.5	170.5	169.7	168.8	168.0
177.5°	170.5	169.7	169.7	168.8	168.8	168.8	168.0	167.2	166.3	165.5
180°	169.7	169.7	169.7	169.7	169.7	169.7	169.7	169.7	169.7	169.7

(END OF REPORT)