

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: P395873

Luminaire Tested: **I3-WL-40L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395873
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 (5700K)
Description: CORELITE I3, DOWNLIGHT TRAY
4000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3587.6 lumens
Efficiency: N/A
Efficacy: 94.9 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

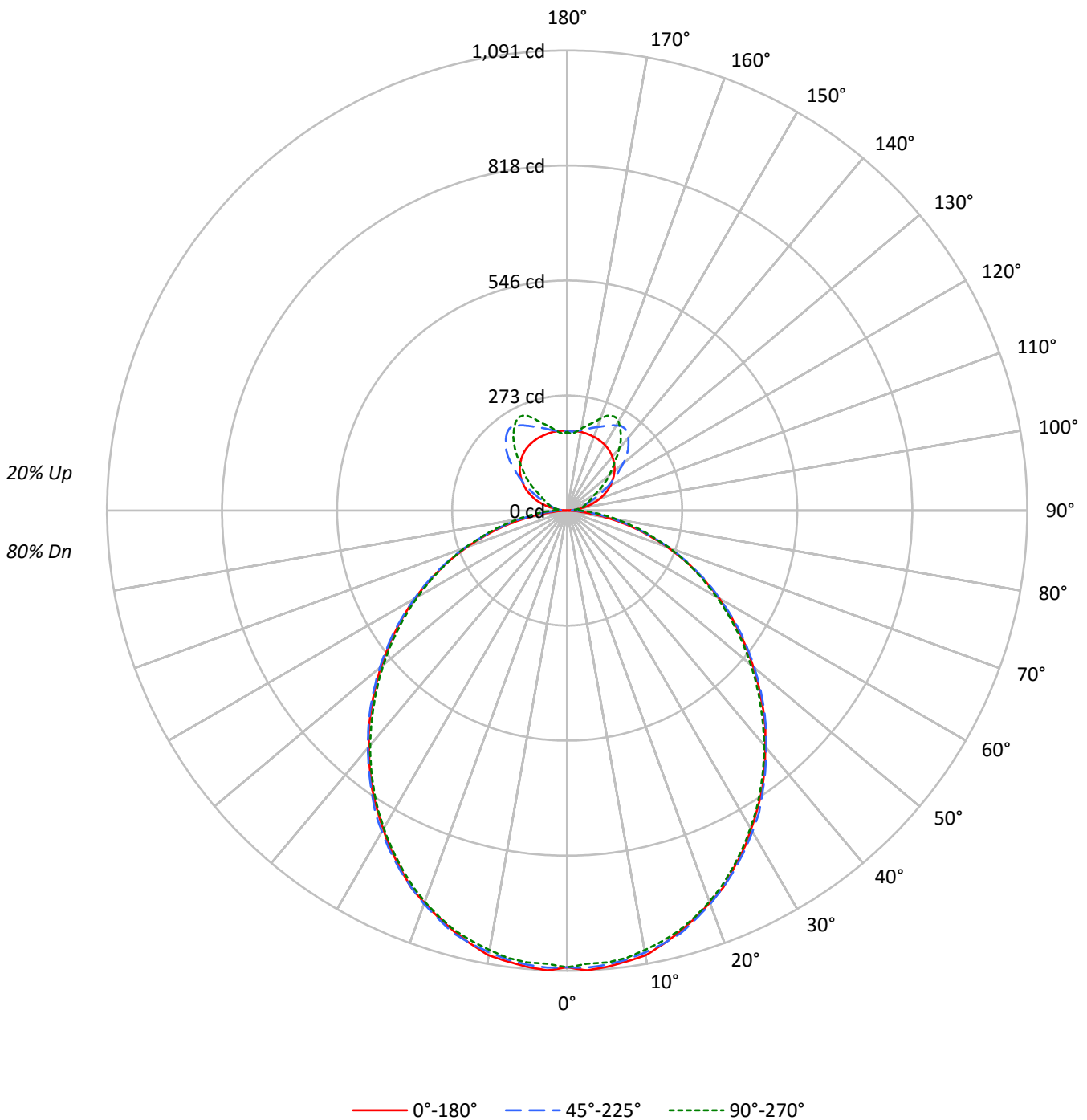
Input Watts (W): 37.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	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°	5952	5952	5952
5°	5968	5829	5766
10°	5933	5671	5578
15°	5814	5514	5379
20°	5700	5292	5147
25°	5563	5067	4890
30°	5403	4834	4627
35°	5253	4577	4356
40°	5065	4311	4073
45°	4884	4051	3776
50°	4690	3766	3476
55°	4486	3474	3170
60°	4258	3152	2854
65°	3996	2801	2516
70°	3624	2391	2159
75°	3123	1895	1734
80°	2382	1365	1294
85°	1243	815	877



TEST NUMBER: P395873

CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (5700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.3	2.9
10°-20°	290.2	8.1
20°-30°	429.7	12.0
30°-40°	502.2	14.0
40°-50°	504.5	14.1
50°-60°	443.4	12.4
60°-70°	332.2	9.3
70°-80°	188.9	5.3
80°-90°	59.7	1.7
90°-100°	21.5	0.6
100°-110°	52.4	1.5
110°-120°	87.0	2.4
120°-130°	122.1	3.4
130°-140°	140.8	3.9
140°-150°	134.4	3.7
150°-160°	101.1	2.8
160°-170°	57.2	1.6
170°-180°	18.1	0.5
0°-30°	822.2	22.9
0°-40°	1324.4	36.9
0°-60°	2272.3	63.3
0°-90°	2853.0	79.5
90°-120°	160.9	4.5
90°-150°	558.2	15.6
90°-180°	735.0	20.5
0°-180°	3587.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1083	1083	1083	1083	1083	
5°	1086	1075	1081	1077	1076	103
15°	1033	1024	1038	1031	1030	291
25°	935	933	939	935	932	431
35°	806	800	809	803	801	503
45°	655	654	660	652	648	506
55°	497	498	500	494	488	444
65°	335	336	338	335	332	331
75°	170	173	178	183	183	180
85°	29	38	52	64	67	38
90°	1	6	16	25	28	2
95°	16	16	16	17	18	17
105°	61	52	39	41	42	64
115°	101	126	77	62	61	100
125°	133	183	138	111	103	119
135°	158	200	204	170	158	121
145°	174	198	238	228	222	109
155°	183	194	222	245	248	85
165°	188	191	202	210	213	53
175°	190	188	188	188	185	18
180°	187	187	187	187	187	



TEST NUMBER: P395873

CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1082.9	1082.9	1082.9	1082.9	1082.9	1082.9	1082.9	1082.9	1082.9	1082.9	1082.9
2.5°	1091.2	1089.3	1084.7	1080.2	1079.3	1078.3	1078.3	1077.4	1077.4	1079.3	1084.7
5°	1085.7	1084.7	1080.2	1075.6	1074.7	1074.7	1073.8	1073.8	1073.8	1075.6	1081.1
7.5°	1078.3	1076.5	1071.9	1067.3	1066.4	1066.4	1066.4	1065.5	1066.4	1067.3	1073.8
10°	1071.0	1070.1	1065.5	1060.0	1058.2	1058.2	1057.3	1055.4	1055.4	1057.3	1063.7
12.5°	1052.7	1051.8	1047.2	1043.5	1043.5	1044.4	1044.4	1045.4	1045.4	1047.2	1051.8
15°	1033.4	1032.5	1027.9	1024.3	1024.3	1024.3	1023.4	1023.4	1024.3	1029.8	1038.0
17.5°	1012.4	1011.5	1007.8	1004.1	1004.1	1004.1	1003.2	1003.2	1004.1	1006.9	1015.1
20°	989.5	988.5	984.9	981.2	981.2	981.2	980.3	981.2	981.2	984.9	992.2
22.5°	967.5	965.6	961.1	957.4	955.6	955.6	955.6	954.7	956.5	959.2	966.6
25°	935.4	934.5	932.7	929.9	931.7	932.7	930.8	929.0	929.0	932.7	939.1
27.5°	906.1	904.3	901.5	898.8	896.9	897.8	898.8	900.6	903.3	904.3	909.8
30°	872.2	871.3	868.5	864.9	865.8	866.7	866.7	866.7	868.5	876.8	878.6
32.5°	839.2	838.3	835.5	831.9	832.8	833.7	832.8	833.7	835.5	839.2	847.5
35°	806.2	804.4	801.7	800.7	799.8	799.8	799.8	800.7	801.7	804.4	809.0
37.5°	768.7	766.8	765.0	762.3	764.1	765.9	766.8	765.9	766.8	770.5	772.3
40°	731.1	730.2	728.4	726.5	727.4	728.4	727.4	730.2	732.0	733.9	734.8
42.5°	695.4	693.5	691.7	690.8	690.8	691.7	691.7	693.5	693.5	698.1	697.2
45°	655.1	654.1	653.2	653.2	654.1	654.1	654.1	655.1	656.0	658.7	659.6
47.5°	615.7	614.8	614.8	614.8	614.8	615.7	616.6	619.3	617.5	618.4	619.3
50°	576.3	575.4	575.4	575.4	577.2	577.2	579.0	579.9	580.9	579.0	579.9
52.5°	536.0	535.0	536.9	536.9	538.7	538.7	541.5	538.7	540.5	539.6	539.6
55°	496.6	495.6	497.5	496.6	498.4	498.4	500.2	501.1	500.2	500.2	500.2
57.5°	456.3	455.3	456.3	457.2	458.1	458.1	460.8	460.8	458.1	459.9	459.0
60°	415.9	415.0	415.9	416.9	417.8	417.8	418.7	416.9	418.7	419.6	418.7
62.5°	375.6	374.7	376.5	375.6	376.5	377.5	377.5	380.2	379.3	379.3	378.4
65°	335.3	334.4	334.4	334.4	335.3	336.2	337.2	338.1	338.1	339.0	338.1
67.5°	294.1	293.2	294.1	293.2	294.1	295.0	296.8	297.8	297.8	298.7	297.8
70°	251.9	252.9	251.9	252.9	253.8	254.7	255.6	257.4	257.4	257.4	257.4
72.5°	210.7	209.8	209.8	208.9	210.7	211.6	212.6	215.3	215.3	216.2	216.2
75°	170.4	168.6	169.5	168.6	172.2	173.2	173.2	175.9	176.8	178.7	177.7
77.5°	131.0	131.0	129.2	131.9	132.8	134.7	136.5	138.3	139.3	142.0	142.0
80°	93.4	93.4	92.5	94.4	98.0	98.9	101.7	102.6	105.4	107.2	108.1
82.5°	59.6	59.6	59.6	62.3	65.0	66.0	68.7	71.5	73.3	76.0	77.0
85°	29.3	31.1	31.1	34.8	36.6	38.5	39.4	43.1	45.8	49.5	52.2
87.5°	9.2	10.1	11.0	12.8	16.5	17.4	19.2	22.9	25.7	29.3	32.1
90°	0.9	0.9	1.8	2.7	4.6	5.5	7.3	9.2	11.9	14.7	16.5
92.5°	6.4	6.4	7.3	7.3	7.3	7.3	7.3	8.2	9.2	11.0	11.9
95°	15.6	24.7	14.7	13.7	15.6	15.6	16.5	15.6	15.6	15.6	15.6
97.5°	25.7	45.8	30.2	21.1	20.2	21.1	21.1	22.9	23.8	24.7	24.7
100°	37.6	57.7	53.1	34.8	28.4	27.5	27.5	27.5	28.4	29.3	30.2
102.5°	49.5	66.0	76.0	54.1	40.3	36.6	34.8	33.9	33.0	33.9	33.9
105°	61.4	74.2	93.4	73.3	57.7	52.2	46.7	40.3	39.4	39.4	39.4
107.5°	72.4	82.5	106.3	95.3	75.1	69.6	63.2	53.1	46.7	45.8	44.9
110°	82.5	90.7	115.4	113.6	94.4	86.1	80.6	69.6	60.5	54.1	51.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	91.6	98.9	121.9	129.2	115.4	105.4	97.1	86.1	76.0	67.8	61.4
115°	100.8	107.2	127.3	142.0	133.8	125.5	116.4	102.6	92.5	84.3	77.0
117.5°	109.9	115.4	132.8	151.2	149.3	143.8	136.5	120.0	108.1	99.9	91.6
120°	118.2	123.7	138.3	157.6	163.1	158.5	153.9	139.3	124.6	115.4	108.1
122.5°	125.5	130.1	143.8	163.1	173.2	172.2	167.7	157.6	142.9	131.9	122.8
125°	132.8	137.4	149.3	166.7	180.5	183.2	181.4	173.2	162.2	149.3	138.3
127.5°	140.2	143.8	154.8	170.4	186.0	191.5	192.4	186.9	178.7	167.7	155.7
130°	146.6	150.3	159.4	173.2	189.6	196.1	199.7	198.8	192.4	185.1	173.2
132.5°	152.1	154.8	164.0	175.9	191.5	198.8	204.3	208.9	204.3	198.8	190.6
135°	157.6	160.3	167.7	178.7	192.4	199.7	207.1	214.4	215.3	210.7	204.3
137.5°	162.2	164.0	171.3	180.5	192.4	199.7	207.1	217.1	222.6	220.8	215.3
140°	166.7	168.6	174.1	183.2	193.3	199.7	206.1	218.0	225.4	228.1	225.4
142.5°	170.4	172.2	176.8	185.1	193.3	198.8	205.2	216.2	226.3	231.8	233.6
145°	174.1	175.0	179.6	186.0	193.3	197.9	203.4	214.4	224.5	232.7	238.2
147.5°	176.8	177.7	180.5	186.9	193.3	197.0	201.6	210.7	220.8	230.0	238.2
150°	179.6	179.6	182.3	186.9	193.3	196.1	199.7	208.0	216.2	225.4	232.7
152.5°	181.4	181.4	184.2	187.8	192.4	195.1	198.8	205.2	212.6	220.8	228.1
155°	183.2	183.2	185.1	187.8	192.4	194.2	197.0	202.5	208.9	215.3	221.7
157.5°	185.1	185.1	186.0	188.7	191.5	193.3	196.1	200.6	205.2	210.7	216.2
160°	186.0	186.0	186.9	188.7	190.6	192.4	194.2	197.9	202.5	206.1	210.7
162.5°	186.9	186.9	187.8	188.7	190.6	191.5	192.4	196.1	198.8	202.5	206.1
165°	187.8	187.8	187.8	188.7	189.6	190.6	191.5	193.3	196.1	198.8	201.6
167.5°	188.7	188.7	188.7	188.7	189.6	189.6	190.6	191.5	193.3	195.1	197.0
170°	189.6	188.7	188.7	189.6	188.7	188.7	189.6	190.6	190.6	192.4	193.3
172.5°	189.6	189.6	188.7	188.7	188.7	188.7	188.7	188.7	188.7	189.6	190.6
175°	189.6	189.6	188.7	188.7	188.7	187.8	187.8	187.8	187.8	187.8	187.8
177.5°	189.6	189.6	188.7	188.7	187.8	187.8	187.8	187.8	187.8	187.8	187.8
180°	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1082.9	1082.9	1082.9	1082.9	1082.9	1082.9	1082.9	1082.9	1082.9	1082.9
2.5°	1090.2	1085.7	1083.8	1082.9	1082.0	1081.1	1079.3	1077.4	1075.6	1075.6
5°	1085.7	1081.1	1079.3	1078.3	1077.4	1076.5	1075.6	1075.6	1075.6	1075.6
7.5°	1078.3	1073.8	1071.9	1071.0	1071.0	1070.1	1070.1	1070.1	1069.2	1070.1
10°	1067.3	1062.8	1061.8	1060.9	1060.0	1058.2	1058.2	1058.2	1057.3	1058.2
12.5°	1053.6	1049.0	1048.1	1047.2	1046.3	1045.4	1045.4	1044.4	1044.4	1045.4
15°	1039.9	1033.4	1031.6	1031.6	1030.7	1029.8	1030.7	1029.8	1029.8	1029.8
17.5°	1019.7	1017.0	1014.2	1012.4	1011.5	1010.5	1010.5	1009.6	1009.6	1009.6
20°	993.1	993.1	993.1	988.5	987.6	986.7	986.7	986.7	986.7	986.7
22.5°	967.5	962.9	966.6	963.8	962.0	960.1	961.1	961.1	961.1	961.1
25°	939.1	935.4	936.3	937.2	935.4	932.7	932.7	932.7	932.7	931.7
27.5°	908.8	906.1	905.2	906.1	907.9	906.1	903.3	900.6	901.5	901.5
30°	875.9	874.9	874.0	872.2	874.0	874.9	870.4	869.4	869.4	869.4
32.5°	842.9	842.0	839.2	837.4	838.3	840.1	838.3	836.5	836.5	836.5
35°	809.9	806.2	803.5	802.6	802.6	804.4	803.5	800.7	800.7	800.7
37.5°	771.4	772.3	767.8	766.8	766.8	766.8	768.7	764.1	765.0	764.1
40°	733.9	734.8	732.0	729.3	730.2	728.4	731.1	726.5	726.5	726.5
42.5°	696.3	694.5	695.4	689.9	690.8	690.8	691.7	689.0	688.0	687.1
45°	657.8	656.0	655.1	652.3	652.3	651.4	651.4	647.7	647.7	647.7
47.5°	617.5	616.6	614.8	612.9	612.9	612.0	610.2	609.3	608.3	608.3
50°	579.0	576.3	573.5	574.4	573.5	572.6	570.8	569.9	568.9	568.0
52.5°	537.8	537.8	534.1	534.1	534.1	533.2	531.4	529.5	529.5	528.6
55°	497.5	496.6	493.8	492.9	493.8	492.9	491.1	489.2	489.2	488.3
57.5°	457.2	455.3	454.4	454.4	453.5	453.5	450.8	448.9	449.8	448.9
60°	415.9	415.9	415.0	414.1	414.1	413.2	410.4	410.4	410.4	409.5
62.5°	376.5	376.5	374.7	373.8	374.7	373.8	372.9	372.0	371.0	370.1
65°	335.3	336.2	334.4	335.3	335.3	333.5	333.5	332.6	332.6	331.7
67.5°	296.8	296.8	295.9	295.9	296.8	295.9	295.9	295.0	295.0	294.1
70°	257.4	259.3	258.4	258.4	258.4	257.4	257.4	257.4	256.5	257.4
72.5°	218.0	218.0	218.0	218.0	218.0	219.0	219.0	219.0	219.0	218.0
75°	181.4	182.3	181.4	182.3	183.2	183.2	183.2	183.2	184.2	183.2
77.5°	145.7	146.6	146.6	148.4	148.4	148.4	149.3	149.3	149.3	149.3
80°	111.8	112.7	113.6	115.4	115.4	117.3	118.2	118.2	118.2	118.2
82.5°	80.6	83.4	84.3	87.0	88.0	88.0	89.8	90.7	90.7	90.7
85°	55.9	58.6	60.5	62.3	64.1	64.1	66.0	66.0	66.9	66.9
87.5°	34.8	37.6	39.4	42.1	43.1	44.0	44.9	45.8	46.7	46.7
90°	19.2	21.1	22.9	24.7	24.7	25.7	26.6	27.5	28.4	28.4
92.5°	13.7	14.7	16.5	17.4	17.4	18.3	19.2	19.2	20.2	20.2
95°	15.6	16.5	16.5	17.4	17.4	17.4	18.3	18.3	18.3	18.3
97.5°	23.8	23.8	23.8	22.9	22.9	22.9	22.9	22.9	22.9	22.9
100°	31.1	32.1	32.1	32.1	33.0	33.0	33.0	33.0	32.1	32.1
102.5°	34.8	35.7	36.6	37.6	37.6	37.6	38.5	38.5	38.5	38.5
105°	39.4	39.4	40.3	41.2	41.2	41.2	42.1	42.1	42.1	42.1
107.5°	44.9	44.9	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
110°	51.3	51.3	51.3	50.4	51.3	50.4	50.4	50.4	50.4	50.4



TEST NUMBER: P395873

CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	58.6	57.7	57.7	56.8	56.8	56.8	55.9	55.9	55.9	55.9
115°	70.5	66.0	64.1	62.3	62.3	62.3	61.4	61.4	61.4	61.4
117.5°	85.2	78.8	75.1	71.5	70.5	69.6	67.8	67.8	66.9	66.9
120°	100.8	94.4	88.9	84.3	82.5	81.5	78.8	77.0	75.1	75.1
122.5°	115.4	109.0	103.5	98.9	97.1	95.3	92.5	90.7	88.9	88.9
125°	130.1	123.7	118.2	113.6	110.9	109.0	106.3	104.4	102.6	102.6
127.5°	145.7	137.4	131.9	127.3	124.6	123.7	120.0	118.2	116.4	116.4
130°	163.1	153.0	145.7	140.2	138.3	136.5	133.8	131.9	130.1	130.1
132.5°	180.5	170.4	162.2	154.8	152.1	150.3	146.6	144.8	142.9	142.9
135°	197.0	187.8	179.6	172.2	169.5	166.7	163.1	159.4	157.6	157.6
137.5°	209.8	203.4	196.1	189.6	186.9	184.2	180.5	176.8	174.1	175.0
140°	220.8	215.3	210.7	206.1	203.4	201.6	197.9	195.1	192.4	192.4
142.5°	230.9	226.3	221.7	218.0	217.1	216.2	213.5	210.7	208.9	208.9
145°	240.0	237.3	233.6	229.0	228.1	227.2	224.5	222.6	221.7	221.7
147.5°	242.8	243.7	242.8	240.0	239.1	238.2	236.4	234.5	233.6	233.6
150°	241.0	244.6	246.5	246.5	246.5	246.5	246.5	244.6	243.7	243.7
152.5°	235.5	241.0	244.6	247.4	248.3	249.2	249.2	250.1	249.2	249.2
155°	229.0	234.5	240.0	242.8	244.6	245.5	247.4	248.3	249.2	248.3
157.5°	221.7	226.3	230.0	235.5	237.3	239.1	241.0	242.8	243.7	242.8
160°	215.3	219.0	221.7	225.4	226.3	228.1	230.0	230.9	232.7	231.8
162.5°	208.9	211.6	214.4	216.2	218.0	219.0	220.8	221.7	222.6	221.7
165°	204.3	206.1	207.1	208.9	209.8	210.7	211.6	212.6	212.6	212.6
167.5°	198.8	200.6	201.6	202.5	203.4	204.3	204.3	205.2	205.2	205.2
170°	194.2	195.1	196.1	197.0	197.0	197.9	197.9	197.9	198.8	197.9
172.5°	190.6	190.6	190.6	191.5	191.5	191.5	191.5	191.5	191.5	190.6
175°	188.7	188.7	187.8	187.8	187.8	187.8	187.8	186.9	186.0	185.1
177.5°	187.8	186.9	186.9	186.0	186.0	186.0	185.1	184.2	183.2	182.3
180°	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9

(END OF REPORT)