

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: P395874

Luminaire Tested: **I3-WL-40L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395874  
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 (6500K)  
Description: CORELITE I3, DOWNLIGHT TRAY  
4000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3610.5 lumens  
Efficiency: N/A  
Efficacy: 94.0 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

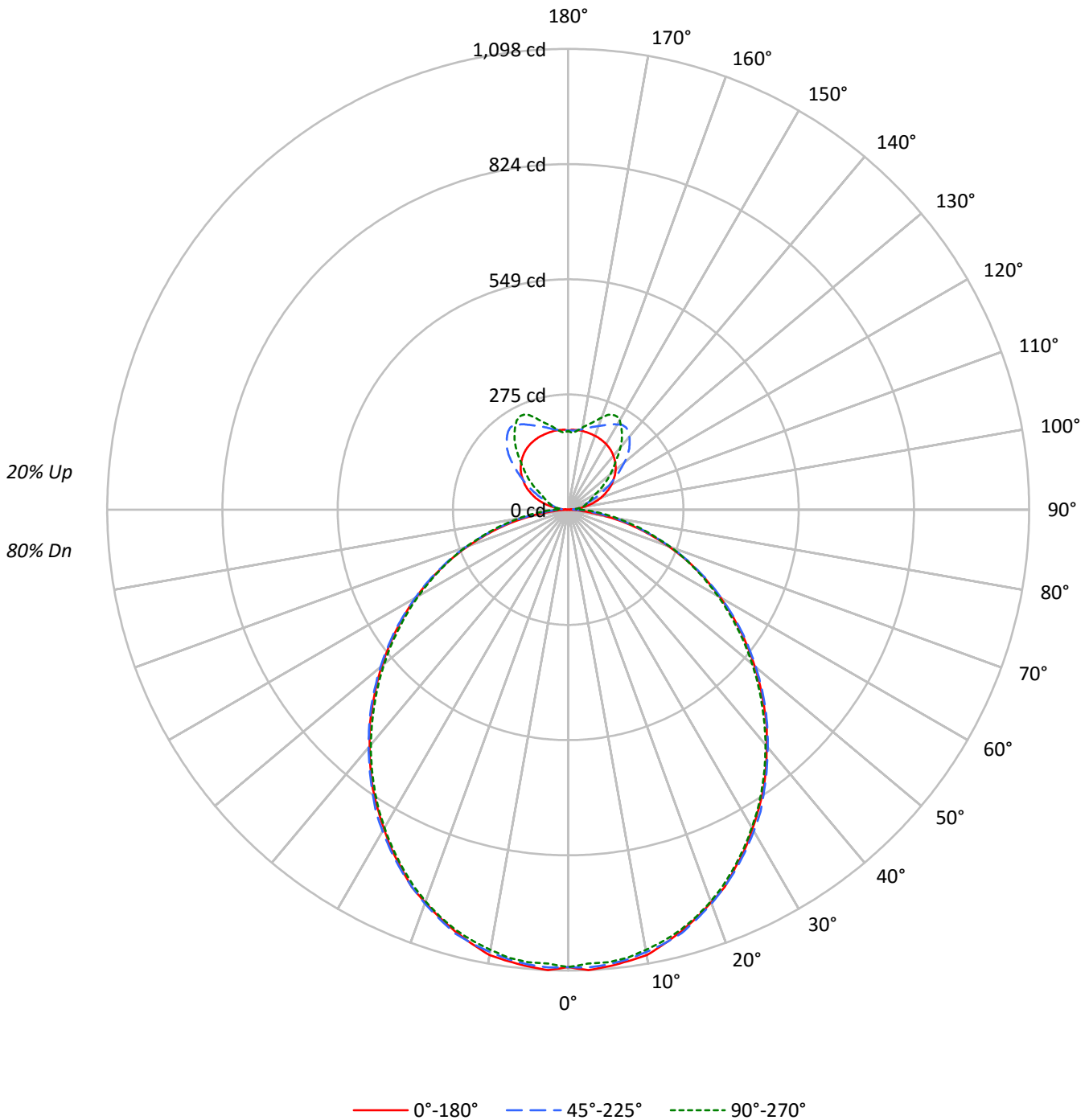
Input Watts (W): 38.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	5990	5990	5990
5°	6006	5867	5803
10°	5971	5707	5614
15°	5851	5549	5413
20°	5736	5325	5180
25°	5598	5100	4922
30°	5437	4865	4657
35°	5287	4605	4384
40°	5097	4338	4099
45°	4915	4076	3800
50°	4719	3790	3498
55°	4514	3497	3190
60°	4286	3172	2872
65°	4022	2818	2532
70°	3649	2407	2173
75°	3143	1907	1745
80°	2397	1373	1302
85°	1252	821	882



TEST NUMBER: P395874

CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (6500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.0	2.9
10°-20°	292.1	8.1
20°-30°	432.4	12.0
30°-40°	505.4	14.0
40°-50°	507.7	14.1
50°-60°	446.2	12.4
60°-70°	334.3	9.3
70°-80°	190.1	5.3
80°-90°	60.0	1.7
90°-100°	21.7	0.6
100°-110°	52.7	1.5
110°-120°	87.6	2.4
120°-130°	122.9	3.4
130°-140°	141.7	3.9
140°-150°	135.3	3.7
150°-160°	101.7	2.8
160°-170°	57.6	1.6
170°-180°	18.2	0.5
0°-30°	827.5	22.9
0°-40°	1332.9	36.9
0°-60°	2286.7	63.3
0°-90°	2871.2	79.5
90°-120°	162.0	4.5
90°-150°	561.8	15.6
90°-180°	739.0	20.5
0°-180°	3610.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1090	1090	1090	1090	1090	
5°	1093	1082	1088	1084	1082	104
15°	1040	1031	1045	1037	1036	293
25°	941	939	945	941	938	434
35°	811	805	814	808	806	507
45°	659	658	664	656	652	509
55°	500	502	503	497	491	447
65°	338	338	340	338	334	333
75°	172	174	179	184	184	182
85°	30	39	53	64	67	38
90°	1	6	17	25	29	2
95°	16	16	16	18	18	17
105°	62	53	40	42	42	65
115°	101	126	77	63	62	100
125°	134	184	139	112	103	120
135°	159	201	206	171	159	122
145°	175	199	240	230	223	110
155°	184	196	223	246	250	85
165°	189	192	203	211	214	54
175°	191	189	189	189	186	18
180°	188	188	188	188	188	



TEST NUMBER: P395874

CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1089.8	1089.8	1089.8	1089.8	1089.8	1089.8	1089.8	1089.8	1089.8	1089.8	1089.8
2.5°	1098.1	1096.3	1091.6	1087.0	1086.1	1085.2	1085.2	1084.3	1084.3	1086.1	1091.6
5°	1092.6	1091.6	1087.0	1082.4	1081.5	1081.5	1080.6	1080.6	1080.6	1082.4	1088.0
7.5°	1085.2	1083.4	1078.7	1074.1	1073.2	1073.2	1073.2	1072.3	1073.2	1074.1	1080.6
10°	1077.8	1076.9	1072.3	1066.8	1064.9	1064.9	1064.0	1062.1	1062.1	1064.0	1070.4
12.5°	1059.4	1058.5	1053.8	1050.2	1050.2	1051.1	1051.1	1052.0	1052.0	1053.8	1058.5
15°	1040.0	1039.1	1034.5	1030.8	1030.8	1030.8	1029.9	1029.9	1030.8	1036.3	1044.6
17.5°	1018.8	1017.9	1014.2	1010.5	1010.5	1010.5	1009.6	1009.6	1010.5	1013.3	1021.6
20°	995.8	994.8	991.2	987.5	987.5	987.5	986.5	987.5	987.5	991.2	998.5
22.5°	973.6	971.8	967.2	963.5	961.6	961.6	961.6	960.7	962.6	965.3	972.7
25°	941.4	940.4	938.6	935.8	937.7	938.6	936.8	934.9	934.9	938.6	945.1
27.5°	911.9	910.0	907.2	904.5	902.6	903.6	904.5	906.3	909.1	910.0	915.5
30°	877.7	876.8	874.1	870.4	871.3	872.2	872.2	872.2	874.1	882.4	884.2
32.5°	844.6	843.6	840.9	837.2	838.1	839.0	838.1	839.0	840.9	844.6	852.9
35°	811.4	809.5	806.8	805.8	804.9	804.9	804.9	805.8	806.8	809.5	814.1
37.5°	773.6	771.7	769.9	767.1	768.9	770.8	771.7	770.8	771.7	775.4	777.2
40°	735.8	734.8	733.0	731.1	732.1	733.0	732.1	734.8	736.7	738.5	739.4
42.5°	699.8	698.0	696.1	695.2	695.2	696.1	696.1	698.0	698.0	702.6	701.6
45°	659.2	658.3	657.4	657.4	658.3	658.3	658.3	659.2	660.2	662.9	663.8
47.5°	619.6	618.7	618.7	618.7	618.7	619.6	620.5	623.3	621.4	622.4	623.3
50°	579.9	579.0	579.0	579.0	580.9	580.9	582.7	583.6	584.5	582.7	583.6
52.5°	539.4	538.4	540.3	540.3	542.1	542.1	544.9	542.1	544.0	543.1	543.1
55°	499.7	498.8	500.6	499.7	501.6	501.6	503.4	504.3	503.4	503.4	503.4
57.5°	459.2	458.2	459.2	460.1	461.0	461.0	463.8	463.8	461.0	462.8	461.9
60°	418.6	417.7	418.6	419.5	420.4	420.4	421.4	419.5	421.4	422.3	421.4
62.5°	378.0	377.1	378.9	378.0	378.9	379.9	379.9	382.6	381.7	381.7	380.8
65°	337.5	336.5	336.5	336.5	337.5	338.4	339.3	340.2	340.2	341.1	340.2
67.5°	296.0	295.0	296.0	295.0	296.0	296.9	298.7	299.7	299.7	300.6	299.7
70°	253.6	254.5	253.6	254.5	255.4	256.3	257.2	259.1	259.1	259.1	259.1
72.5°	212.1	211.1	211.1	210.2	212.1	213.0	213.9	216.7	216.7	217.6	217.6
75°	171.5	169.6	170.6	169.6	173.3	174.3	174.3	177.0	177.9	179.8	178.9
77.5°	131.8	131.8	130.0	132.8	133.7	135.5	137.4	139.2	140.1	142.9	142.9
80°	94.0	94.0	93.1	95.0	98.7	99.6	102.3	103.3	106.0	107.9	108.8
82.5°	59.9	59.9	59.9	62.7	65.5	66.4	69.2	71.9	73.8	76.5	77.4
85°	29.5	31.3	31.3	35.0	36.9	38.7	39.6	43.3	46.1	49.8	52.6
87.5°	9.2	10.1	11.1	12.9	16.6	17.5	19.4	23.1	25.8	29.5	32.3
90°	0.9	0.9	1.8	2.8	4.6	5.5	7.4	9.2	12.0	14.8	16.6
92.5°	6.5	6.5	7.4	7.4	7.4	7.4	7.4	8.3	9.2	11.1	12.0
95°	15.7	24.9	14.8	13.8	15.7	15.7	16.6	15.7	15.7	15.7	15.7
97.5°	25.8	46.1	30.4	21.2	20.3	21.2	21.2	23.1	24.0	24.9	24.9
100°	37.8	58.1	53.5	35.0	28.6	27.7	27.7	27.7	28.6	29.5	30.4
102.5°	49.8	66.4	76.5	54.4	40.6	36.9	35.0	34.1	33.2	34.1	34.1
105°	61.8	74.7	94.0	73.8	58.1	52.6	47.0	40.6	39.6	39.6	39.6
107.5°	72.8	83.0	107.0	95.9	75.6	70.1	63.6	53.5	47.0	46.1	45.2
110°	83.0	91.3	116.2	114.3	95.0	86.7	81.1	70.1	60.9	54.4	51.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	92.2	99.6	122.6	130.0	116.2	106.0	97.7	86.7	76.5	68.2	61.8
115°	101.4	107.9	128.2	142.9	134.6	126.3	117.1	103.3	93.1	84.8	77.4
117.5°	110.6	116.2	133.7	152.1	150.3	144.8	137.4	120.8	108.8	100.5	92.2
120°	118.9	124.5	139.2	158.6	164.1	159.5	154.9	140.1	125.4	116.2	108.8
122.5°	126.3	130.9	144.8	164.1	174.3	173.3	168.7	158.6	143.8	132.8	123.5
125°	133.7	138.3	150.3	167.8	181.6	184.4	182.6	174.3	163.2	150.3	139.2
127.5°	141.1	144.8	155.8	171.5	187.2	192.7	193.6	188.1	179.8	168.7	156.7
130°	147.5	151.2	160.4	174.3	190.9	197.3	201.0	200.1	193.6	186.2	174.3
132.5°	153.1	155.8	165.0	177.0	192.7	200.1	205.6	210.2	205.6	200.1	191.8
135°	158.6	161.4	168.7	179.8	193.6	201.0	208.4	215.7	216.7	212.1	205.6
137.5°	163.2	165.0	172.4	181.6	193.6	201.0	208.4	218.5	224.0	222.2	216.7
140°	167.8	169.6	175.2	184.4	194.5	201.0	207.5	219.4	226.8	229.6	226.8
142.5°	171.5	173.3	177.9	186.2	194.5	200.1	206.5	217.6	227.7	233.3	235.1
145°	175.2	176.1	180.7	187.2	194.5	199.2	204.7	215.7	225.9	234.2	239.7
147.5°	177.9	178.9	181.6	188.1	194.5	198.2	202.8	212.1	222.2	231.4	239.7
150°	180.7	180.7	183.5	188.1	194.5	197.3	201.0	209.3	217.6	226.8	234.2
152.5°	182.6	182.6	185.3	189.0	193.6	196.4	200.1	206.5	213.9	222.2	229.6
155°	184.4	184.4	186.2	189.0	193.6	195.5	198.2	203.8	210.2	216.7	223.1
157.5°	186.2	186.2	187.2	189.9	192.7	194.5	197.3	201.9	206.5	212.1	217.6
160°	187.2	187.2	188.1	189.9	191.8	193.6	195.5	199.2	203.8	207.5	212.1
162.5°	188.1	188.1	189.0	189.9	191.8	192.7	193.6	197.3	200.1	203.8	207.5
165°	189.0	189.0	189.0	189.9	190.9	191.8	192.7	194.5	197.3	200.1	202.8
167.5°	189.9	189.9	189.9	189.9	190.9	190.9	191.8	192.7	194.5	196.4	198.2
170°	190.9	189.9	189.9	190.9	189.9	189.9	190.9	191.8	191.8	193.6	194.5
172.5°	190.9	190.9	189.9	189.9	189.9	189.9	189.9	189.9	189.9	190.9	191.8
175°	190.9	190.9	189.9	189.9	189.9	189.0	189.0	189.0	189.0	189.0	189.0
177.5°	190.9	190.9	189.9	189.9	189.0	189.0	189.0	189.0	189.0	189.0	189.0
180°	188.1	188.1	188.1	188.1	188.1	188.1	188.1	188.1	188.1	188.1	188.1



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1089.8	1089.8	1089.8	1089.8	1089.8	1089.8	1089.8	1089.8	1089.8	1089.8
2.5°	1097.2	1092.6	1090.7	1089.8	1088.9	1088.0	1086.1	1084.3	1082.4	1082.4
5°	1092.6	1088.0	1086.1	1085.2	1084.3	1083.4	1082.4	1082.4	1082.4	1082.4
7.5°	1085.2	1080.6	1078.7	1077.8	1077.8	1076.9	1076.9	1076.9	1076.0	1076.9
10°	1074.1	1069.5	1068.6	1067.7	1066.8	1064.9	1064.9	1064.9	1064.0	1064.9
12.5°	1060.3	1055.7	1054.8	1053.8	1052.9	1052.0	1052.0	1051.1	1051.1	1052.0
15°	1046.5	1040.0	1038.2	1038.2	1037.3	1036.3	1037.3	1036.3	1036.3	1036.3
17.5°	1026.2	1023.4	1020.7	1018.8	1017.9	1017.0	1017.0	1016.0	1016.0	1016.0
20°	999.4	999.4	999.4	994.8	993.9	993.0	993.0	993.0	993.0	993.0
22.5°	973.6	969.0	972.7	969.9	968.1	966.3	967.2	967.2	967.2	967.2
25°	945.1	941.4	942.3	943.2	941.4	938.6	938.6	938.6	938.6	937.7
27.5°	914.6	911.9	910.9	911.9	913.7	911.9	909.1	906.3	907.2	907.2
30°	881.4	880.5	879.6	877.7	879.6	880.5	875.9	875.0	875.0	875.0
32.5°	848.2	847.3	844.6	842.7	843.6	845.5	843.6	841.8	841.8	841.8
35°	815.0	811.4	808.6	807.7	807.7	809.5	808.6	805.8	805.8	805.8
37.5°	776.3	777.2	772.6	771.7	771.7	771.7	773.6	768.9	769.9	768.9
40°	738.5	739.4	736.7	733.9	734.8	733.0	735.8	731.1	731.1	731.1
42.5°	700.7	698.9	699.8	694.3	695.2	695.2	696.1	693.3	692.4	691.5
45°	662.0	660.2	659.2	656.5	656.5	655.5	655.5	651.9	651.9	651.9
47.5°	621.4	620.5	618.7	616.8	616.8	615.9	614.1	613.1	612.2	612.2
50°	582.7	579.9	577.2	578.1	577.2	576.3	574.4	573.5	572.6	571.6
52.5°	541.2	541.2	537.5	537.5	537.5	536.6	534.8	532.9	532.9	532.0
55°	500.6	499.7	497.0	496.0	497.0	496.0	494.2	492.3	492.3	491.4
57.5°	460.1	458.2	457.3	457.3	456.4	456.4	453.6	451.8	452.7	451.8
60°	418.6	418.6	417.7	416.7	416.7	415.8	413.1	413.1	413.1	412.1
62.5°	378.9	378.9	377.1	376.2	377.1	376.2	375.3	374.3	373.4	372.5
65°	337.5	338.4	336.5	337.5	337.5	335.6	335.6	334.7	334.7	333.8
67.5°	298.7	298.7	297.8	297.8	298.7	297.8	297.8	296.9	296.9	296.0
70°	259.1	260.9	260.0	260.0	260.0	259.1	259.1	259.1	258.2	259.1
72.5°	219.4	219.4	219.4	219.4	219.4	220.4	220.4	220.4	220.4	219.4
75°	182.6	183.5	182.6	183.5	184.4	184.4	184.4	184.4	185.3	184.4
77.5°	146.6	147.5	147.5	149.4	149.4	149.4	150.3	150.3	150.3	150.3
80°	112.5	113.4	114.3	116.2	116.2	118.0	118.9	118.9	118.9	118.9
82.5°	81.1	83.9	84.8	87.6	88.5	88.5	90.4	91.3	91.3	91.3
85°	56.2	59.0	60.9	62.7	64.5	64.5	66.4	66.4	67.3	67.3
87.5°	35.0	37.8	39.6	42.4	43.3	44.3	45.2	46.1	47.0	47.0
90°	19.4	21.2	23.1	24.9	24.9	25.8	26.7	27.7	28.6	28.6
92.5°	13.8	14.8	16.6	17.5	17.5	18.4	19.4	19.4	20.3	20.3
95°	15.7	16.6	16.6	17.5	17.5	17.5	18.4	18.4	18.4	18.4
97.5°	24.0	24.0	24.0	23.1	23.1	23.1	23.1	23.1	23.1	23.1
100°	31.3	32.3	32.3	32.3	33.2	33.2	33.2	33.2	32.3	32.3
102.5°	35.0	36.0	36.9	37.8	37.8	37.8	38.7	38.7	38.7	38.7
105°	39.6	39.6	40.6	41.5	41.5	41.5	42.4	42.4	42.4	42.4
107.5°	45.2	45.2	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
110°	51.6	51.6	51.6	50.7	51.6	50.7	50.7	50.7	50.7	50.7





TEST NUMBER: P395874

CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	59.0	58.1	58.1	57.2	57.2	57.2	56.2	56.2	56.2	56.2
115°	71.0	66.4	64.5	62.7	62.7	62.7	61.8	61.8	61.8	61.8
117.5°	85.7	79.3	75.6	71.9	71.0	70.1	68.2	68.2	67.3	67.3
120°	101.4	95.0	89.4	84.8	83.0	82.1	79.3	77.4	75.6	75.6
122.5°	116.2	109.7	104.2	99.6	97.7	95.9	93.1	91.3	89.4	89.4
125°	130.9	124.5	118.9	114.3	111.6	109.7	107.0	105.1	103.3	103.3
127.5°	146.6	138.3	132.8	128.2	125.4	124.5	120.8	118.9	117.1	117.1
130°	164.1	154.0	146.6	141.1	139.2	137.4	134.6	132.8	130.9	130.9
132.5°	181.6	171.5	163.2	155.8	153.1	151.2	147.5	145.7	143.8	143.8
135°	198.2	189.0	180.7	173.3	170.6	167.8	164.1	160.4	158.6	158.6
137.5°	211.1	204.7	197.3	190.9	188.1	185.3	181.6	177.9	175.2	176.1
140°	222.2	216.7	212.1	207.5	204.7	202.8	199.2	196.4	193.6	193.6
142.5°	232.3	227.7	223.1	219.4	218.5	217.6	214.8	212.1	210.2	210.2
145°	241.6	238.8	235.1	230.5	229.6	228.7	225.9	224.0	223.1	223.1
147.5°	244.3	245.3	244.3	241.6	240.6	239.7	237.9	236.0	235.1	235.1
150°	242.5	246.2	248.0	248.0	248.0	248.0	248.0	246.2	245.3	245.3
152.5°	237.0	242.5	246.2	248.9	249.9	250.8	250.8	251.7	250.8	250.8
155°	230.5	236.0	241.6	244.3	246.2	247.1	248.9	249.9	250.8	249.9
157.5°	223.1	227.7	231.4	237.0	238.8	240.6	242.5	244.3	245.3	244.3
160°	216.7	220.4	223.1	226.8	227.7	229.6	231.4	232.3	234.2	233.3
162.5°	210.2	213.0	215.7	217.6	219.4	220.4	222.2	223.1	224.0	223.1
165°	205.6	207.5	208.4	210.2	211.1	212.1	213.0	213.9	213.9	213.9
167.5°	200.1	201.9	202.8	203.8	204.7	205.6	205.6	206.5	206.5	206.5
170°	195.5	196.4	197.3	198.2	198.2	199.2	199.2	199.2	200.1	199.2
172.5°	191.8	191.8	191.8	192.7	192.7	192.7	192.7	192.7	192.7	191.8
175°	189.9	189.9	189.0	189.0	189.0	189.0	189.0	188.1	187.2	186.2
177.5°	189.0	188.1	188.1	187.2	187.2	187.2	186.2	185.3	184.4	183.5
180°	188.1	188.1	188.1	188.1	188.1	188.1	188.1	188.1	188.1	188.1

(END OF REPORT)