

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: P395871

Luminaire Tested: **I3-WL-40L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395871  
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 (4500K)  
Description: CORELITE I3, DOWNLIGHT TRAY  
4000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3446.9 lumens  
Efficiency: N/A  
Efficacy: 92.2 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

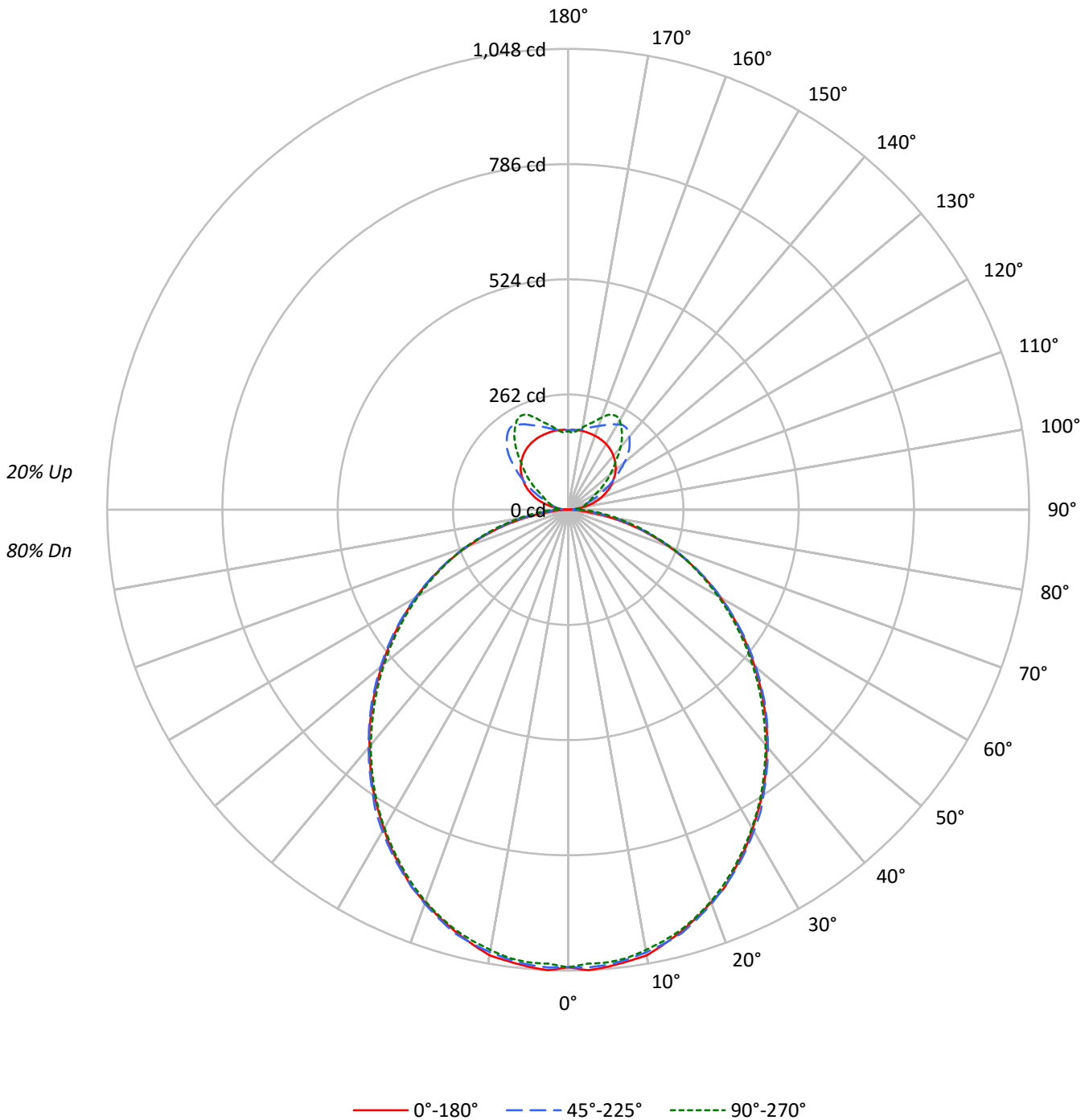
Input Watts (W): 37.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	5719	5719	5719
5°	5734	5601	5540
10°	5700	5448	5359
15°	5586	5298	5168
20°	5475	5084	4945
25°	5344	4868	4699
30°	5191	4645	4446
35°	5047	4397	4185
40°	4866	4141	3914
45°	4693	3892	3628
50°	4506	3618	3340
55°	4310	3338	3046
60°	4091	3028	2742
65°	3840	2691	2416
70°	3483	2297	2074
75°	3000	1821	1666
80°	2290	1312	1243
85°	1196	784	843



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.3	2.9
10°-20°	278.8	8.1
20°-30°	412.8	12.0
30°-40°	482.5	14.0
40°-50°	484.7	14.1
50°-60°	426.0	12.4
60°-70°	319.2	9.3
70°-80°	181.5	5.3
80°-90°	57.3	1.7
90°-100°	20.7	0.6
100°-110°	50.3	1.5
110°-120°	83.6	2.4
120°-130°	117.3	3.4
130°-140°	135.2	3.9
140°-150°	129.1	3.7
150°-160°	97.1	2.8
160°-170°	55.0	1.6
170°-180°	17.4	0.5
0°-30°	790.0	22.9
0°-40°	1272.5	36.9
0°-60°	2183.1	63.3
0°-90°	2741.1	79.5
90°-120°	154.6	4.5
90°-150°	536.3	15.6
90°-180°	706.0	20.5
0°-180°	3446.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1040	1040	1040	1040	1040	
5°	1043	1032	1039	1035	1033	99
15°	993	984	997	990	989	280
25°	899	896	902	899	895	414
35°	775	768	777	771	769	484
45°	629	628	634	627	622	486
55°	477	479	481	474	469	426
65°	322	323	325	322	319	318
75°	164	166	171	176	176	173
85°	28	37	50	62	64	37
90°	1	5	16	24	27	2
95°	15	15	15	17	18	17
105°	59	50	38	40	40	62
115°	97	121	74	60	59	96
125°	128	176	133	106	99	114
135°	151	192	196	163	151	117
145°	167	190	229	219	213	105
155°	176	187	213	235	238	81
165°	180	183	194	202	204	51
175°	182	180	180	180	178	17
180°	180	180	180	180	180	



TEST NUMBER: P395871

CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1040.4	1040.4	1040.4	1040.4	1040.4	1040.4	1040.4	1040.4	1040.4	1040.4	1040.4
2.5°	1048.3	1046.6	1042.2	1037.8	1036.9	1036.0	1036.0	1035.1	1035.1	1036.9	1042.2
5°	1043.1	1042.2	1037.8	1033.4	1032.5	1032.5	1031.6	1031.6	1031.6	1033.4	1038.7
7.5°	1036.0	1034.3	1029.9	1025.5	1024.6	1024.6	1024.6	1023.7	1024.6	1025.5	1031.6
10°	1029.0	1028.1	1023.7	1018.4	1016.7	1016.7	1015.8	1014.0	1014.0	1015.8	1021.9
12.5°	1011.4	1010.5	1006.1	1002.6	1002.6	1003.5	1003.5	1004.3	1004.3	1006.1	1010.5
15°	992.9	992.0	987.6	984.1	984.1	984.1	983.2	983.2	984.1	989.4	997.3
17.5°	972.6	971.8	968.2	964.7	964.7	964.7	963.8	963.8	964.7	967.4	975.3
20°	950.6	949.8	946.2	942.7	942.7	942.7	941.8	942.7	942.7	946.2	953.3
22.5°	929.5	927.8	923.4	919.8	918.1	918.1	918.1	917.2	919.0	921.6	928.6
25°	898.7	897.8	896.1	893.4	895.2	896.1	894.3	892.5	892.5	896.1	902.2
27.5°	870.5	868.8	866.1	863.5	861.7	862.6	863.5	865.3	867.9	868.8	874.1
30°	838.0	837.1	834.5	830.9	831.8	832.7	832.7	832.7	834.5	842.4	844.1
32.5°	806.3	805.4	802.8	799.2	800.1	801.0	801.0	801.0	802.8	806.3	814.2
35°	774.6	772.8	770.2	769.3	768.4	768.4	768.4	769.3	770.2	772.8	777.2
37.5°	738.5	736.7	735.0	732.3	734.1	735.9	736.7	735.9	736.7	740.3	742.0
40°	702.4	701.5	699.8	698.0	698.9	699.8	698.9	701.5	703.3	705.1	705.9
42.5°	668.1	666.3	664.6	663.7	663.7	664.6	664.6	666.3	666.3	670.7	669.9
45°	629.4	628.5	627.6	627.6	628.5	628.5	628.5	629.4	630.2	632.9	633.8
47.5°	591.5	590.6	590.6	590.6	590.6	591.5	592.4	595.0	593.3	594.2	595.0
50°	553.7	552.8	552.8	552.8	554.5	554.5	556.3	557.2	558.1	556.3	557.2
52.5°	514.9	514.1	515.8	515.8	517.6	517.6	520.2	517.6	519.3	518.5	518.5
55°	477.1	476.2	478.0	477.1	478.8	478.8	480.6	481.5	480.6	480.6	480.6
57.5°	438.4	437.5	438.4	439.2	440.1	440.1	442.8	442.8	440.1	441.9	441.0
60°	399.6	398.7	399.6	400.5	401.4	401.4	402.3	400.5	402.3	403.1	402.3
62.5°	360.9	360.0	361.8	360.9	361.8	362.7	362.7	365.3	364.4	364.4	363.5
65°	322.2	321.3	321.3	321.3	322.2	323.0	323.9	324.8	324.8	325.7	324.8
67.5°	282.6	281.7	282.6	281.7	282.6	283.4	285.2	286.1	286.1	287.0	286.1
70°	242.1	242.9	242.1	242.9	243.8	244.7	245.6	247.3	247.3	247.3	247.3
72.5°	202.5	201.6	201.6	200.7	202.5	203.3	204.2	206.9	206.9	207.7	207.7
75°	163.7	162.0	162.8	162.0	165.5	166.4	166.4	169.0	169.9	171.6	170.8
77.5°	125.9	125.9	124.1	126.8	127.6	129.4	131.2	132.9	133.8	136.4	136.4
80°	89.8	89.8	88.9	90.7	94.2	95.1	97.7	98.6	101.2	103.0	103.9
82.5°	57.2	57.2	57.2	59.9	62.5	63.4	66.0	68.7	70.4	73.1	73.9
85°	28.2	29.9	29.9	33.4	35.2	37.0	37.8	41.4	44.0	47.5	50.2
87.5°	8.8	9.7	10.6	12.3	15.8	16.7	18.5	22.0	24.6	28.2	30.8
90°	0.9	0.9	1.8	2.6	4.4	5.3	7.0	8.8	11.4	14.1	15.8
92.5°	6.2	6.2	7.0	7.0	7.0	7.0	7.0	7.9	8.8	10.6	11.4
95°	15.0	23.8	14.1	13.2	15.0	15.0	15.8	15.0	15.0	15.0	15.0
97.5°	24.6	44.0	29.0	20.2	19.4	20.2	20.2	22.0	22.9	23.8	23.8
100°	36.1	55.5	51.1	33.4	27.3	26.4	26.4	26.4	27.3	28.2	29.0
102.5°	47.5	63.4	73.1	51.9	38.7	35.2	33.4	32.6	31.7	32.6	32.6
105°	59.0	71.3	89.8	70.4	55.5	50.2	44.9	38.7	37.8	37.8	37.8
107.5°	69.5	79.2	102.1	91.5	72.2	66.9	60.7	51.1	44.9	44.0	43.1
110°	79.2	87.1	110.9	109.1	90.7	82.7	77.5	66.9	58.1	51.9	49.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	88.0	95.1	117.1	124.1	110.9	101.2	93.3	82.7	73.1	65.1	59.0
115°	96.8	103.0	122.4	136.4	128.5	120.6	111.8	98.6	88.9	81.0	73.9
117.5°	105.6	110.9	127.6	145.2	143.5	138.2	131.2	115.3	103.9	95.9	88.0
120°	113.5	118.8	132.9	151.4	156.7	152.3	147.9	133.8	119.7	110.9	103.9
122.5°	120.6	125.0	138.2	156.7	166.4	165.5	161.1	151.4	137.3	126.8	118.0
125°	127.6	132.0	143.5	160.2	173.4	176.0	174.3	166.4	155.8	143.5	132.9
127.5°	134.7	138.2	148.8	163.7	178.7	184.0	184.8	179.6	171.6	161.1	149.6
130°	140.8	144.4	153.2	166.4	182.2	188.4	191.9	191.0	184.8	177.8	166.4
132.5°	146.1	148.8	157.6	169.0	184.0	191.0	196.3	200.7	196.3	191.0	183.1
135°	151.4	154.0	161.1	171.6	184.8	191.9	198.9	206.0	206.9	202.5	196.3
137.5°	155.8	157.6	164.6	173.4	184.8	191.9	198.9	208.6	213.9	212.1	206.9
140°	160.2	162.0	167.2	176.0	185.7	191.9	198.1	209.5	216.5	219.2	216.5
142.5°	163.7	165.5	169.9	177.8	185.7	191.0	197.2	207.7	217.4	222.7	224.5
145°	167.2	168.1	172.5	178.7	185.7	190.1	195.4	206.0	215.7	223.6	228.9
147.5°	169.9	170.8	173.4	179.6	185.7	189.2	193.6	202.5	212.1	220.9	228.9
150°	172.5	172.5	175.2	179.6	185.7	188.4	191.9	199.8	207.7	216.5	223.6
152.5°	174.3	174.3	176.9	180.4	184.8	187.5	191.0	197.2	204.2	212.1	219.2
155°	176.0	176.0	177.8	180.4	184.8	186.6	189.2	194.5	200.7	206.9	213.0
157.5°	177.8	177.8	178.7	181.3	184.0	185.7	188.4	192.8	197.2	202.5	207.7
160°	178.7	178.7	179.6	181.3	183.1	184.8	186.6	190.1	194.5	198.1	202.5
162.5°	179.6	179.6	180.4	181.3	183.1	184.0	184.8	188.4	191.0	194.5	198.1
165°	180.4	180.4	180.4	181.3	182.2	183.1	184.0	185.7	188.4	191.0	193.6
167.5°	181.3	181.3	181.3	181.3	182.2	182.2	183.1	184.0	185.7	187.5	189.2
170°	182.2	181.3	181.3	182.2	181.3	181.3	182.2	183.1	183.1	184.8	185.7
172.5°	182.2	182.2	181.3	181.3	181.3	181.3	181.3	181.3	181.3	182.2	183.1
175°	182.2	182.2	181.3	181.3	181.3	180.4	180.4	180.4	180.4	180.4	180.4
177.5°	182.2	182.2	181.3	181.3	180.4	180.4	180.4	180.4	180.4	180.4	180.4
180°	179.6	179.6	179.6	179.6	179.6	179.6	179.6	179.6	179.6	179.6	179.6



TEST NUMBER: P395871

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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1040.4	1040.4	1040.4	1040.4	1040.4	1040.4	1040.4	1040.4	1040.4	1040.4
2.5°	1047.5	1043.1	1041.3	1040.4	1039.5	1038.7	1036.9	1035.1	1033.4	1033.4
5°	1043.1	1038.7	1036.9	1036.0	1035.1	1034.3	1033.4	1033.4	1033.4	1033.4
7.5°	1036.0	1031.6	1029.9	1029.0	1029.0	1028.1	1028.1	1028.1	1027.2	1028.1
10°	1025.5	1021.1	1020.2	1019.3	1018.4	1016.7	1016.7	1016.7	1015.8	1016.7
12.5°	1012.3	1007.9	1007.0	1006.1	1005.2	1004.3	1004.3	1003.5	1003.5	1004.3
15°	999.1	992.9	991.1	991.1	990.3	989.4	990.3	989.4	989.4	989.4
17.5°	979.7	977.0	974.4	972.6	971.8	970.9	970.9	970.0	970.0	970.0
20°	954.2	954.2	954.2	949.8	948.9	948.0	948.0	948.0	948.0	948.0
22.5°	929.5	925.1	928.6	926.0	924.2	922.5	923.4	923.4	923.4	923.4
25°	902.2	898.7	899.6	900.5	898.7	896.1	896.1	896.1	896.1	895.2
27.5°	873.2	870.5	869.7	870.5	872.3	870.5	867.9	865.3	866.1	866.1
30°	841.5	840.6	839.7	838.0	839.7	840.6	836.2	835.3	835.3	835.3
32.5°	809.8	808.9	806.3	804.5	805.4	807.2	805.4	803.6	803.6	803.6
35°	778.1	774.6	772.0	771.1	771.1	772.8	772.0	769.3	769.3	769.3
37.5°	741.1	742.0	737.6	736.7	736.7	736.7	738.5	734.1	735.0	734.1
40°	705.1	705.9	703.3	700.7	701.5	699.8	702.4	698.0	698.0	698.0
42.5°	669.0	667.2	668.1	662.8	663.7	663.7	664.6	661.9	661.0	660.2
45°	632.0	630.2	629.4	626.7	626.7	625.8	625.8	622.3	622.3	622.3
47.5°	593.3	592.4	590.6	588.9	588.9	588.0	586.2	585.3	584.5	584.5
50°	556.3	553.7	551.0	551.9	551.0	550.1	548.4	547.5	546.6	545.7
52.5°	516.7	516.7	513.2	513.2	513.2	512.3	510.5	508.8	508.8	507.9
55°	478.0	477.1	474.4	473.6	474.4	473.6	471.8	470.0	470.0	469.2
57.5°	439.2	437.5	436.6	436.6	435.7	435.7	433.1	431.3	432.2	431.3
60°	399.6	399.6	398.7	397.9	397.9	397.0	394.3	394.3	394.3	393.5
62.5°	361.8	361.8	360.0	359.1	360.0	359.1	358.3	357.4	356.5	355.6
65°	322.2	323.0	321.3	322.2	322.2	320.4	320.4	319.5	319.5	318.6
67.5°	285.2	285.2	284.3	284.3	285.2	284.3	284.3	283.4	283.4	282.6
70°	247.3	249.1	248.2	248.2	248.2	247.3	247.3	247.3	246.5	247.3
72.5°	209.5	209.5	209.5	209.5	209.5	210.4	210.4	210.4	210.4	209.5
75°	174.3	175.2	174.3	175.2	176.0	176.0	176.0	176.0	176.9	176.0
77.5°	140.0	140.8	140.8	142.6	142.6	142.6	143.5	143.5	143.5	143.5
80°	107.4	108.3	109.1	110.9	110.9	112.7	113.5	113.5	113.5	113.5
82.5°	77.5	80.1	81.0	83.6	84.5	84.5	86.3	87.1	87.1	87.1
85°	53.7	56.3	58.1	59.9	61.6	61.6	63.4	63.4	64.3	64.3
87.5°	33.4	36.1	37.8	40.5	41.4	42.3	43.1	44.0	44.9	44.9
90°	18.5	20.2	22.0	23.8	23.8	24.6	25.5	26.4	27.3	27.3
92.5°	13.2	14.1	15.8	16.7	16.7	17.6	18.5	18.5	19.4	19.4
95°	15.0	15.8	15.8	16.7	16.7	16.7	17.6	17.6	17.6	17.6
97.5°	22.9	22.9	22.9	22.0	22.0	22.0	22.0	22.0	22.0	22.0
100°	29.9	30.8	30.8	30.8	31.7	31.7	31.7	31.7	30.8	30.8
102.5°	33.4	34.3	35.2	36.1	36.1	36.1	37.0	37.0	37.0	37.0
105°	37.8	37.8	38.7	39.6	39.6	39.6	40.5	40.5	40.5	40.5
107.5°	43.1	43.1	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
110°	49.3	49.3	49.3	48.4	49.3	48.4	48.4	48.4	48.4	48.4





TEST NUMBER: P395871

CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	56.3	55.5	55.5	54.6	54.6	54.6	53.7	53.7	53.7	53.7
115°	67.8	63.4	61.6	59.9	59.9	59.9	59.0	59.0	59.0	59.0
117.5°	81.9	75.7	72.2	68.7	67.8	66.9	65.1	65.1	64.3	64.3
120°	96.8	90.7	85.4	81.0	79.2	78.3	75.7	73.9	72.2	72.2
122.5°	110.9	104.7	99.5	95.1	93.3	91.5	88.9	87.1	85.4	85.4
125°	125.0	118.8	113.5	109.1	106.5	104.7	102.1	100.3	98.6	98.6
127.5°	140.0	132.0	126.8	122.4	119.7	118.8	115.3	113.5	111.8	111.8
130°	156.7	147.0	140.0	134.7	132.9	131.2	128.5	126.8	125.0	125.0
132.5°	173.4	163.7	155.8	148.8	146.1	144.4	140.8	139.1	137.3	137.3
135°	189.2	180.4	172.5	165.5	162.8	160.2	156.7	153.2	151.4	151.4
137.5°	201.6	195.4	188.4	182.2	179.6	176.9	173.4	169.9	167.2	168.1
140°	212.1	206.9	202.5	198.1	195.4	193.6	190.1	187.5	184.8	184.8
142.5°	221.8	217.4	213.0	209.5	208.6	207.7	205.1	202.5	200.7	200.7
145°	230.6	228.0	224.5	220.1	219.2	218.3	215.7	213.9	213.0	213.0
147.5°	233.3	234.1	233.3	230.6	229.7	228.9	227.1	225.3	224.5	224.5
150°	231.5	235.0	236.8	236.8	236.8	236.8	236.8	235.0	234.1	234.1
152.5°	226.2	231.5	235.0	237.7	238.5	239.4	239.4	240.3	239.4	239.4
155°	220.1	225.3	230.6	233.3	235.0	235.9	237.7	238.5	239.4	238.5
157.5°	213.0	217.4	220.9	226.2	228.0	229.7	231.5	233.3	234.1	233.3
160°	206.9	210.4	213.0	216.5	217.4	219.2	220.9	221.8	223.6	222.7
162.5°	200.7	203.3	206.0	207.7	209.5	210.4	212.1	213.0	213.9	213.0
165°	196.3	198.1	198.9	200.7	201.6	202.5	203.3	204.2	204.2	204.2
167.5°	191.0	192.8	193.6	194.5	195.4	196.3	196.3	197.2	197.2	197.2
170°	186.6	187.5	188.4	189.2	189.2	190.1	190.1	190.1	191.0	190.1
172.5°	183.1	183.1	183.1	184.0	184.0	184.0	184.0	184.0	184.0	183.1
175°	181.3	181.3	180.4	180.4	180.4	180.4	180.4	179.6	178.7	177.8
177.5°	180.4	179.6	179.6	178.7	178.7	178.7	177.8	176.9	176.0	175.2
180°	179.6	179.6	179.6	179.6	179.6	179.6	179.6	179.6	179.6	179.6

(END OF REPORT)