

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: P395870

Luminaire Tested: **I3-WL-40L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395870  
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 (4000K)  
Description: CORELITE I3, DOWNLIGHT TRAY  
4000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3359.4 lumens  
Efficiency: N/A  
Efficacy: 90.5 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

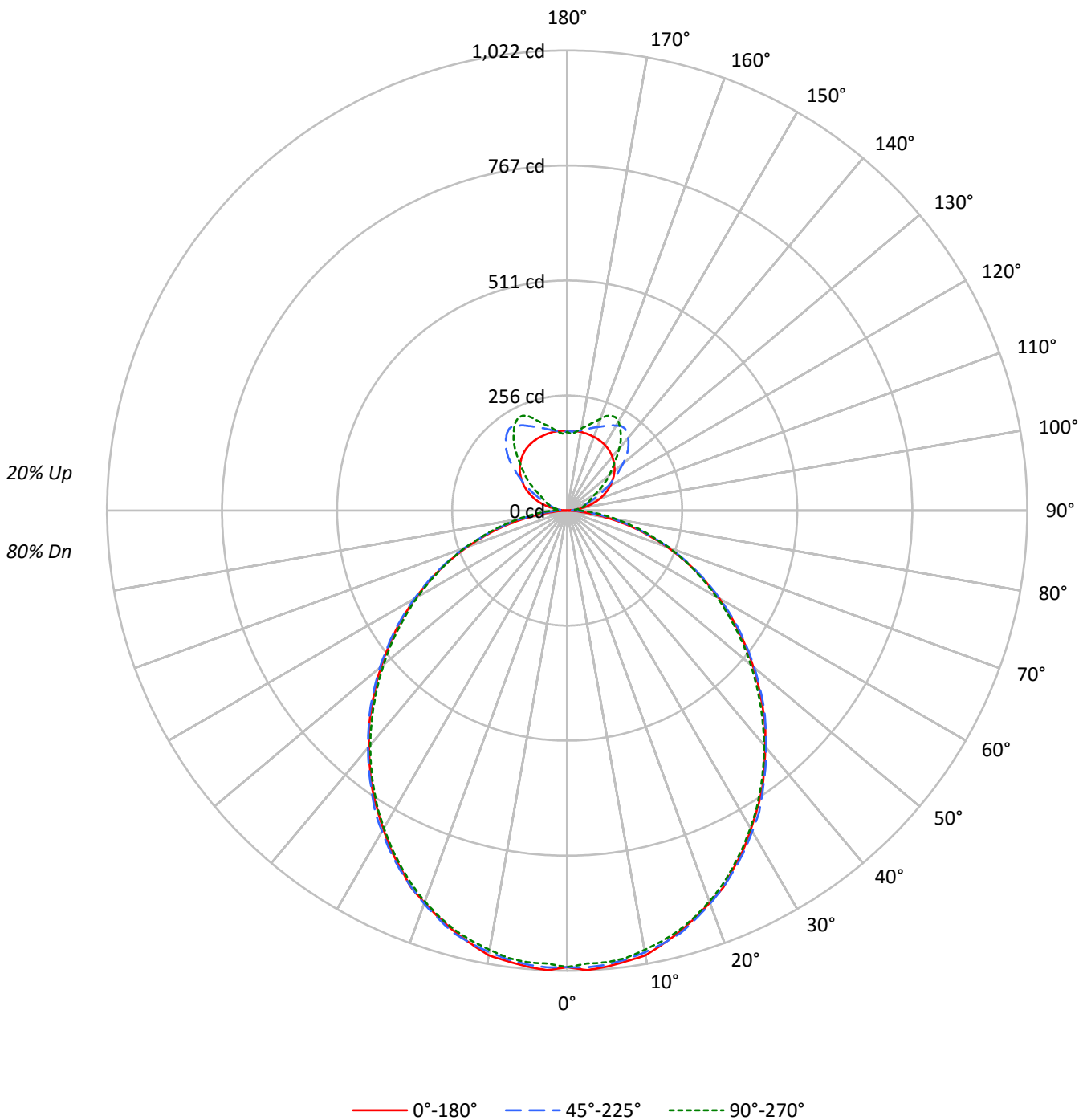
Input Watts (W): 37.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	5573	5573	5573
5°	5588	5458	5399
10°	5556	5310	5223
15°	5444	5163	5037
20°	5337	4955	4819
25°	5209	4745	4580
30°	5059	4527	4333
35°	4919	4285	4079
40°	4743	4036	3814
45°	4573	3793	3536
50°	4391	3526	3255
55°	4201	3254	2968
60°	3988	2952	2673
65°	3742	2623	2356
70°	3394	2239	2022
75°	2925	1774	1624
80°	2231	1278	1212
85°	1167	764	821



TEST NUMBER: P395870

CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (4000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.8	2.9
10°-20°	271.7	8.1
20°-30°	402.4	12.0
30°-40°	470.2	14.0
40°-50°	472.4	14.1
50°-60°	415.2	12.4
60°-70°	311.1	9.3
70°-80°	176.9	5.3
80°-90°	55.9	1.7
90°-100°	20.1	0.6
100°-110°	49.0	1.5
110°-120°	81.5	2.4
120°-130°	114.3	3.4
130°-140°	131.8	3.9
140°-150°	125.8	3.7
150°-160°	94.7	2.8
160°-170°	53.6	1.6
170°-180°	17.0	0.5
0°-30°	769.9	22.9
0°-40°	1240.2	36.9
0°-60°	2127.7	63.3
0°-90°	2671.5	79.5
90°-120°	150.7	4.5
90°-150°	522.7	15.6
90°-180°	688.0	20.5
0°-180°	3359.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1014	1014	1014	1014	1014	
5°	1017	1006	1012	1009	1007	97
15°	968	959	972	965	964	273
25°	876	873	879	876	872	404
35°	755	749	758	752	750	471
45°	613	612	618	611	606	473
55°	465	467	468	462	457	416
65°	314	315	317	314	311	310
75°	160	162	166	172	172	169
85°	28	36	49	60	63	36
90°	1	5	15	23	27	2
95°	15	15	15	16	17	16
105°	58	49	37	39	40	60
115°	94	118	72	58	58	93
125°	124	172	130	104	96	111
135°	148	187	191	159	148	114
145°	163	185	223	214	208	102
155°	172	182	208	229	232	79
165°	176	178	189	196	199	50
175°	178	176	176	176	173	17
180°	175	175	175	175	175	



TEST NUMBER: P395870

CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1014.0	1014.0	1014.0	1014.0	1014.0	1014.0	1014.0	1014.0	1014.0	1014.0	1014.0
2.5°	1021.7	1020.0	1015.7	1011.4	1010.6	1009.7	1009.7	1008.9	1008.9	1010.6	1015.7
5°	1016.6	1015.7	1011.4	1007.1	1006.3	1006.3	1005.4	1005.4	1005.4	1007.1	1012.3
7.5°	1009.7	1008.0	1003.7	999.4	998.6	998.6	998.6	997.7	998.6	999.4	1005.4
10°	1002.9	1002.0	997.7	992.6	990.8	990.8	990.0	988.3	988.3	990.0	996.0
12.5°	985.7	984.8	980.6	977.1	977.1	978.0	978.0	978.8	978.8	980.6	984.8
15°	967.7	966.8	962.5	959.1	959.1	959.1	958.3	958.3	959.1	964.3	972.0
17.5°	948.0	947.1	943.7	940.2	940.2	940.2	939.4	939.4	940.2	942.8	950.5
20°	926.5	925.7	922.2	918.8	918.8	918.8	917.9	918.8	918.8	922.2	929.1
22.5°	905.9	904.2	899.9	896.5	894.8	894.8	894.8	893.9	895.6	898.2	905.1
25°	875.9	875.0	873.3	870.7	872.5	873.3	871.6	869.9	869.9	873.3	879.3
27.5°	848.4	846.7	844.2	841.6	839.9	840.7	841.6	843.3	845.9	846.7	851.9
30°	816.7	815.8	813.3	809.8	810.7	811.6	811.6	811.6	813.3	821.0	822.7
32.5°	785.8	785.0	782.4	779.0	779.8	780.7	779.8	780.7	782.4	785.8	793.5
35°	754.9	753.2	750.6	749.8	748.9	748.9	748.9	749.8	750.6	753.2	757.5
37.5°	719.8	718.0	716.3	713.8	715.5	717.2	718.0	717.2	718.0	721.5	723.2
40°	684.6	683.7	682.0	680.3	681.2	682.0	681.2	683.7	685.4	687.2	688.0
42.5°	651.1	649.4	647.7	646.8	646.8	647.7	647.7	649.4	649.4	653.7	652.8
45°	613.4	612.5	611.7	611.7	612.5	612.5	612.5	613.4	614.2	616.8	617.7
47.5°	576.5	575.6	575.6	575.6	575.6	576.5	577.4	579.9	578.2	579.1	579.9
50°	539.6	538.7	538.7	538.7	540.5	540.5	542.2	543.0	543.9	542.2	543.0
52.5°	501.9	501.0	502.7	502.7	504.4	504.4	507.0	504.4	506.1	505.3	505.3
55°	465.0	464.1	465.8	465.0	466.7	466.7	468.4	469.3	468.4	468.4	468.4
57.5°	427.2	426.4	427.2	428.1	428.9	428.9	431.5	431.5	428.9	430.7	429.8
60°	389.5	388.6	389.5	390.3	391.2	391.2	392.1	390.3	392.1	392.9	392.1
62.5°	351.7	350.9	352.6	351.7	352.6	353.4	353.4	356.0	355.2	355.2	354.3
65°	314.0	313.1	313.1	313.1	314.0	314.8	315.7	316.6	316.6	317.4	316.6
67.5°	275.4	274.5	275.4	274.5	275.4	276.2	278.0	278.8	278.8	279.7	278.8
70°	235.9	236.8	235.9	236.8	237.6	238.5	239.3	241.1	241.1	241.1	241.1
72.5°	197.3	196.5	196.5	195.6	197.3	198.2	199.0	201.6	201.6	202.5	202.5
75°	159.6	157.8	158.7	157.8	161.3	162.1	162.1	164.7	165.6	167.3	166.4
77.5°	122.7	122.7	121.0	123.5	124.4	126.1	127.8	129.5	130.4	133.0	133.0
80°	87.5	87.5	86.6	88.4	91.8	92.7	95.2	96.1	98.7	100.4	101.2
82.5°	55.8	55.8	55.8	58.3	60.9	61.8	64.3	66.9	68.6	71.2	72.1
85°	27.5	29.2	29.2	32.6	34.3	36.0	36.9	40.3	42.9	46.3	48.9
87.5°	8.6	9.4	10.3	12.0	15.4	16.3	18.0	21.4	24.0	27.5	30.0
90°	0.9	0.9	1.7	2.6	4.3	5.1	6.9	8.6	11.2	13.7	15.4
92.5°	6.0	6.0	6.9	6.9	6.9	6.9	6.9	7.7	8.6	10.3	11.2
95°	14.6	23.2	13.7	12.9	14.6	14.6	15.4	14.6	14.6	14.6	14.6
97.5°	24.0	42.9	28.3	19.7	18.9	19.7	19.7	21.4	22.3	23.2	23.2
100°	35.2	54.0	49.8	32.6	26.6	25.7	25.7	25.7	26.6	27.5	28.3
102.5°	46.3	61.8	71.2	50.6	37.7	34.3	32.6	31.7	30.9	31.7	31.7
105°	57.5	69.5	87.5	68.6	54.0	48.9	43.8	37.7	36.9	36.9	36.9
107.5°	67.8	77.2	99.5	89.2	70.3	65.2	59.2	49.8	43.8	42.9	42.0
110°	77.2	84.9	108.1	106.4	88.4	80.6	75.5	65.2	56.6	50.6	48.0



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CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	85.8	92.7	114.1	121.0	108.1	98.7	90.9	80.6	71.2	63.5	57.5
115°	94.4	100.4	119.2	133.0	125.3	117.5	109.0	96.1	86.6	78.9	72.1
117.5°	102.9	108.1	124.4	141.5	139.8	134.7	127.8	112.4	101.2	93.5	85.8
120°	110.7	115.8	129.5	147.6	152.7	148.4	144.1	130.4	116.7	108.1	101.2
122.5°	117.5	121.8	134.7	152.7	162.1	161.3	157.0	147.6	133.8	123.5	115.0
125°	124.4	128.7	139.8	156.1	169.0	171.6	169.9	162.1	151.8	139.8	129.5
127.5°	131.3	134.7	145.0	159.6	174.1	179.3	180.2	175.0	167.3	157.0	145.8
130°	137.3	140.7	149.3	162.1	177.6	183.6	187.0	186.2	180.2	173.3	162.1
132.5°	142.4	145.0	153.6	164.7	179.3	186.2	191.3	195.6	191.3	186.2	178.4
135°	147.6	150.1	157.0	167.3	180.2	187.0	193.9	200.7	201.6	197.3	191.3
137.5°	151.8	153.6	160.4	169.0	180.2	187.0	193.9	203.3	208.5	206.7	201.6
140°	156.1	157.8	163.0	171.6	181.0	187.0	193.0	204.2	211.0	213.6	211.0
142.5°	159.6	161.3	165.6	173.3	181.0	186.2	192.2	202.5	211.9	217.0	218.8
145°	163.0	163.9	168.1	174.1	181.0	185.3	190.4	200.7	210.2	217.9	223.0
147.5°	165.6	166.4	169.0	175.0	181.0	184.4	188.7	197.3	206.7	215.3	223.0
150°	168.1	168.1	170.7	175.0	181.0	183.6	187.0	194.7	202.5	211.0	217.9
152.5°	169.9	169.9	172.4	175.9	180.2	182.7	186.2	192.2	199.0	206.7	213.6
155°	171.6	171.6	173.3	175.9	180.2	181.9	184.4	189.6	195.6	201.6	207.6
157.5°	173.3	173.3	174.1	176.7	179.3	181.0	183.6	187.9	192.2	197.3	202.5
160°	174.1	174.1	175.0	176.7	178.4	180.2	181.9	185.3	189.6	193.0	197.3
162.5°	175.0	175.0	175.9	176.7	178.4	179.3	180.2	183.6	186.2	189.6	193.0
165°	175.9	175.9	175.9	176.7	177.6	178.4	179.3	181.0	183.6	186.2	188.7
167.5°	176.7	176.7	176.7	176.7	177.6	177.6	178.4	179.3	181.0	182.7	184.4
170°	177.6	176.7	176.7	177.6	176.7	176.7	177.6	178.4	178.4	180.2	181.0
172.5°	177.6	177.6	176.7	176.7	176.7	176.7	176.7	176.7	176.7	177.6	178.4
175°	177.6	177.6	176.7	176.7	176.7	175.9	175.9	175.9	175.9	175.9	175.9
177.5°	177.6	177.6	176.7	176.7	175.9	175.9	175.9	175.9	175.9	175.9	175.9
180°	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1014.0	1014.0	1014.0	1014.0	1014.0	1014.0	1014.0	1014.0	1014.0	1014.0
2.5°	1020.9	1016.6	1014.9	1014.0	1013.2	1012.3	1010.6	1008.9	1007.1	1007.1
5°	1016.6	1012.3	1010.6	1009.7	1008.9	1008.0	1007.1	1007.1	1007.1	1007.1
7.5°	1009.7	1005.4	1003.7	1002.9	1002.9	1002.0	1002.0	1002.0	1001.1	1002.0
10°	999.4	995.1	994.3	993.4	992.6	990.8	990.8	990.8	990.0	990.8
12.5°	986.6	982.3	981.4	980.6	979.7	978.8	978.8	978.0	978.0	978.8
15°	973.7	967.7	966.0	966.0	965.1	964.3	965.1	964.3	964.3	964.3
17.5°	954.8	952.2	949.7	948.0	947.1	946.2	946.2	945.4	945.4	945.4
20°	929.9	929.9	929.9	925.7	924.8	923.9	923.9	923.9	923.9	923.9
22.5°	905.9	901.6	905.1	902.5	900.8	899.1	899.9	899.9	899.9	899.9
25°	879.3	875.9	876.8	877.6	875.9	873.3	873.3	873.3	873.3	872.5
27.5°	851.0	848.4	847.6	848.4	850.2	848.4	845.9	843.3	844.2	844.2
30°	820.1	819.3	818.4	816.7	818.4	819.3	815.0	814.1	814.1	814.1
32.5°	789.2	788.4	785.8	784.1	785.0	786.7	785.0	783.2	783.2	783.2
35°	758.4	754.9	752.4	751.5	751.5	753.2	752.4	749.8	749.8	749.8
37.5°	722.3	723.2	718.9	718.0	718.0	718.0	719.8	715.5	716.3	715.5
40°	687.2	688.0	685.4	682.9	683.7	682.0	684.6	680.3	680.3	680.3
42.5°	652.0	650.3	651.1	646.0	646.8	646.8	647.7	645.1	644.3	643.4
45°	616.0	614.2	613.4	610.8	610.8	610.0	610.0	606.5	606.5	606.5
47.5°	578.2	577.4	575.6	573.9	573.9	573.1	571.3	570.5	569.6	569.6
50°	542.2	539.6	537.0	537.9	537.0	536.2	534.5	533.6	532.7	531.9
52.5°	503.6	503.6	500.1	500.1	500.1	499.3	497.6	495.9	495.9	495.0
55°	465.8	465.0	462.4	461.5	462.4	461.5	459.8	458.1	458.1	457.2
57.5°	428.1	426.4	425.5	425.5	424.6	424.6	422.1	420.4	421.2	420.4
60°	389.5	389.5	388.6	387.8	387.8	386.9	384.3	384.3	384.3	383.5
62.5°	352.6	352.6	350.9	350.0	350.9	350.0	349.2	348.3	347.4	346.6
65°	314.0	314.8	313.1	314.0	314.0	312.3	312.3	311.4	311.4	310.6
67.5°	278.0	278.0	277.1	277.1	278.0	277.1	277.1	276.2	276.2	275.4
70°	241.1	242.8	241.9	241.9	241.9	241.1	241.1	241.1	240.2	241.1
72.5°	204.2	204.2	204.2	204.2	204.2	205.0	205.0	205.0	205.0	204.2
75°	169.9	170.7	169.9	170.7	171.6	171.6	171.6	171.6	172.4	171.6
77.5°	136.4	137.3	137.3	139.0	139.0	139.0	139.8	139.8	139.8	139.8
80°	104.7	105.5	106.4	108.1	108.1	109.8	110.7	110.7	110.7	110.7
82.5°	75.5	78.1	78.9	81.5	82.4	82.4	84.1	84.9	84.9	84.9
85°	52.3	54.9	56.6	58.3	60.1	60.1	61.8	61.8	62.6	62.6
87.5°	32.6	35.2	36.9	39.5	40.3	41.2	42.0	42.9	43.8	43.8
90°	18.0	19.7	21.4	23.2	23.2	24.0	24.9	25.7	26.6	26.6
92.5°	12.9	13.7	15.4	16.3	16.3	17.2	18.0	18.0	18.9	18.9
95°	14.6	15.4	15.4	16.3	16.3	16.3	17.2	17.2	17.2	17.2
97.5°	22.3	22.3	22.3	21.4	21.4	21.4	21.4	21.4	21.4	21.4
100°	29.2	30.0	30.0	30.0	30.9	30.9	30.9	30.9	30.0	30.0
102.5°	32.6	33.5	34.3	35.2	35.2	35.2	36.0	36.0	36.0	36.0
105°	36.9	36.9	37.7	38.6	38.6	38.6	39.5	39.5	39.5	39.5
107.5°	42.0	42.0	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
110°	48.0	48.0	48.0	47.2	48.0	47.2	47.2	47.2	47.2	47.2





TEST NUMBER: P395870

CATALOG NUMBER: I3-WL-40L92765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	54.9	54.0	54.0	53.2	53.2	53.2	52.3	52.3	52.3	52.3
115°	66.1	61.8	60.1	58.3	58.3	58.3	57.5	57.5	57.5	57.5
117.5°	79.8	73.8	70.3	66.9	66.1	65.2	63.5	63.5	62.6	62.6
120°	94.4	88.4	83.2	78.9	77.2	76.4	73.8	72.1	70.3	70.3
122.5°	108.1	102.1	96.9	92.7	90.9	89.2	86.6	84.9	83.2	83.2
125°	121.8	115.8	110.7	106.4	103.8	102.1	99.5	97.8	96.1	96.1
127.5°	136.4	128.7	123.5	119.2	116.7	115.8	112.4	110.7	109.0	109.0
130°	152.7	143.3	136.4	131.3	129.5	127.8	125.3	123.5	121.8	121.8
132.5°	169.0	159.6	151.8	145.0	142.4	140.7	137.3	135.5	133.8	133.8
135°	184.4	175.9	168.1	161.3	158.7	156.1	152.7	149.3	147.6	147.6
137.5°	196.5	190.4	183.6	177.6	175.0	172.4	169.0	165.6	163.0	163.9
140°	206.7	201.6	197.3	193.0	190.4	188.7	185.3	182.7	180.2	180.2
142.5°	216.2	211.9	207.6	204.2	203.3	202.5	199.9	197.3	195.6	195.6
145°	224.8	222.2	218.8	214.5	213.6	212.8	210.2	208.5	207.6	207.6
147.5°	227.3	228.2	227.3	224.8	223.9	223.0	221.3	219.6	218.8	218.8
150°	225.6	229.1	230.8	230.8	230.8	230.8	230.8	229.1	228.2	228.2
152.5°	220.5	225.6	229.1	231.6	232.5	233.3	233.3	234.2	233.3	233.3
155°	214.5	219.6	224.8	227.3	229.1	229.9	231.6	232.5	233.3	232.5
157.5°	207.6	211.9	215.3	220.5	222.2	223.9	225.6	227.3	228.2	227.3
160°	201.6	205.0	207.6	211.0	211.9	213.6	215.3	216.2	217.9	217.0
162.5°	195.6	198.2	200.7	202.5	204.2	205.0	206.7	207.6	208.5	207.6
165°	191.3	193.0	193.9	195.6	196.5	197.3	198.2	199.0	199.0	199.0
167.5°	186.2	187.9	188.7	189.6	190.4	191.3	191.3	192.2	192.2	192.2
170°	181.9	182.7	183.6	184.4	184.4	185.3	185.3	185.3	186.2	185.3
172.5°	178.4	178.4	178.4	179.3	179.3	179.3	179.3	179.3	179.3	178.4
175°	176.7	176.7	175.9	175.9	175.9	175.9	175.9	175.0	174.1	173.3
177.5°	175.9	175.0	175.0	174.1	174.1	174.1	173.3	172.4	171.6	170.7
180°	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0

(END OF REPORT)