

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: LUMIERE

Report Number: P394999

Luminaire Tested: **303-W2-LEDB2-4000-UNV-T4-DIM10-CS**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394999  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/9/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 303-W2-LEDB2-4000-UNV-T4-DIM10-CS  
Description: LUMIERE EON LED LUMINAIRE  
WALL MOUNT, DIRECT-INDIRECT, TWO LIGHTBARS, TYPE 4  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1038.6 lumens  
Efficiency: N/A  
Efficacy: 67.0 lumens/watt  
Spacing Criteria (0/90/45): 1.38 / 1.39 / 1.52  
Luminous Opening: Rectangular (W 0.38' x L: 0.21' x H: 0')  
CIE Type: General Diffuse

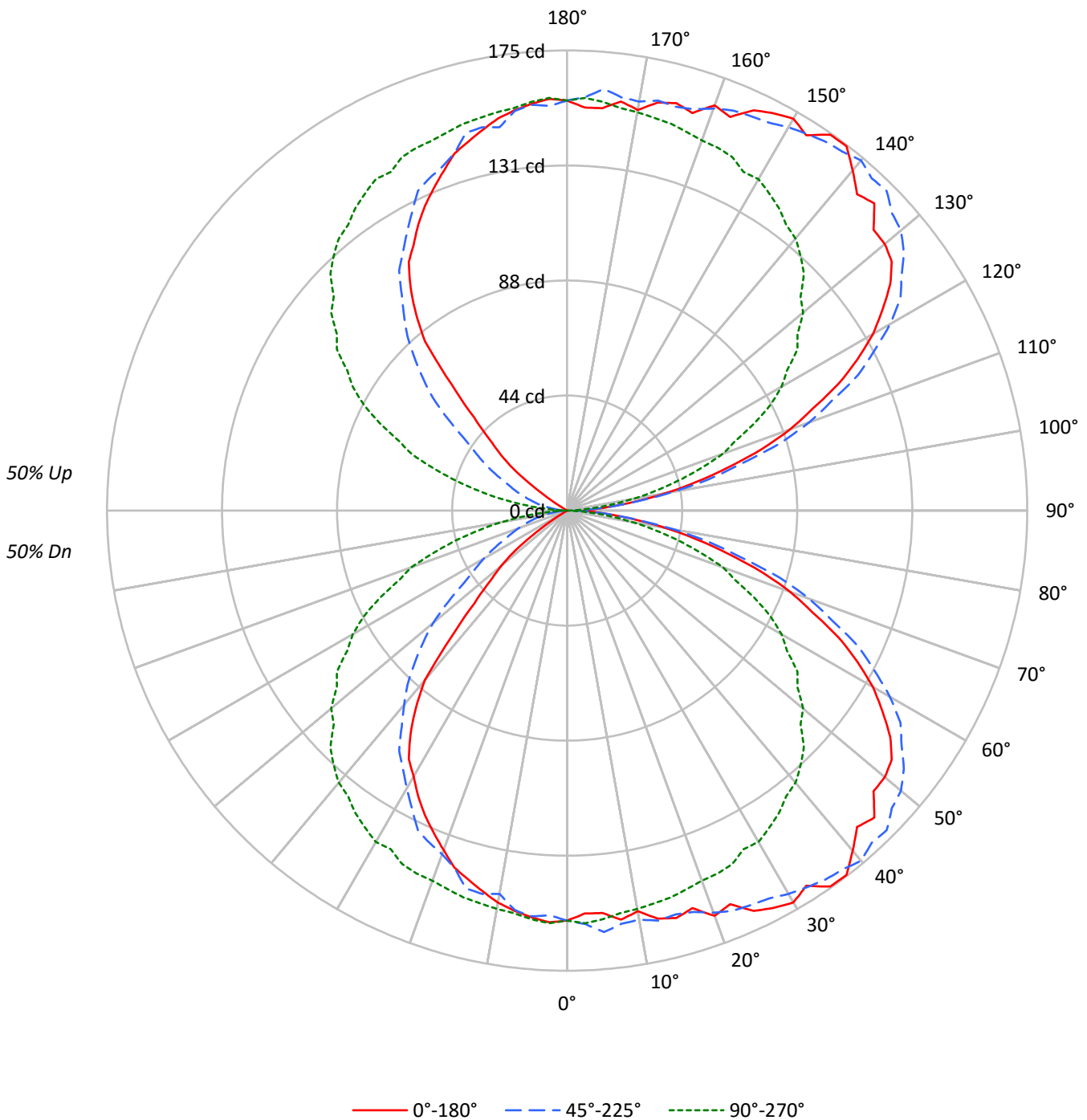
Input Watts (W): 15.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	97	93	89	85	90	86	82	79	72	70	68	60	58	57	49	48	47	41
2	88	81	74	69	81	75	69	64	63	59	55	52	49	47	43	41	39	34
3	80	71	63	57	74	65	59	53	55	50	46	46	42	39	37	35	32	28
4	73	62	54	48	67	58	50	45	49	43	39	41	37	33	33	30	28	24
5	67	55	47	41	62	51	44	38	43	38	33	36	32	28	30	26	24	20
6	62	49	41	35	57	46	38	33	39	33	29	33	28	25	27	23	21	18
7	57	44	36	31	52	41	34	29	35	29	25	30	25	22	24	21	18	16
8	53	40	32	27	48	37	30	25	32	26	22	27	22	19	22	19	16	14
9	49	37	29	24	45	34	27	22	29	24	20	25	20	17	20	17	15	12
10	46	33	26	21	42	31	25	20	27	21	18	23	18	15	19	16	13	11

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	21480	21480	21480
5°	21244	21576	21479
10°	21643	21517	21181
15°	22879	21724	20725
20°	24046	21964	20146
25°	25540	22560	19444
30°	27380	23148	18566
35°	29350	23615	17476
40°	30378	24299	15126
45°	32189	24804	9742
50°	33802	25100	7009
55°	36031	25678	3363
60°	37007	25930	110
65°	37067	25624	33
70°	36336	25379	40
75°	33750	23210	53
80°	30230	19995	79
85°	24503	13595	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.8	1.4
10°-20°	43.3	4.2
20°-30°	68.6	6.6
30°-40°	88.0	8.5
40°-50°	94.5	9.1
50°-60°	87.6	8.4
60°-70°	69.8	6.7
70°-80°	41.6	4.0
80°-90°	11.0	1.1
90°-100°	11.0	1.1
100°-110°	41.6	4.0
110°-120°	69.8	6.7
120°-130°	87.6	8.4
130°-140°	94.5	9.1
140°-150°	88.0	8.5
150°-160°	68.6	6.6
160°-170°	43.3	4.2
170°-180°	14.8	1.4
0°-30°	126.8	12.2
0°-40°	214.9	20.7
0°-60°	396.9	38.2
0°-90°	519.3	50.0
90°-120°	122.4	11.8
90°-150°	392.5	37.8
90°-180°	519.0	50.0
0°-180°	1038.6	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	156	156	156	156	156	
5°	154	161	156	155	155	15
15°	160	159	152	149	145	45
25°	168	166	148	134	128	77
35°	174	171	140	111	104	108
45°	165	172	127	82	50	126
55°	150	155	107	48	14	133
65°	114	122	79	27	0	112
75°	63	68	44	14	0	67
85°	16	16	9	3	0	18
90°	6	3	0	0	0	4
95°	16	16	9	3	0	18
105°	63	68	44	14	0	67
115°	114	122	79	27	0	112
125°	150	155	107	48	14	133
135°	165	172	127	82	50	126
145°	174	171	140	111	104	108
155°	168	166	148	134	128	77
165°	160	159	152	149	145	45
175°	154	161	156	155	155	15
180°	156	156	156	156	156	



TEST NUMBER: P394999

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9
2.5°	153.4	156.4	156.3	155.0	154.1	157.4	153.9	157.2	156.3	156.1	157.1
5°	153.6	158.9	157.1	158.3	155.9	160.9	156.3	157.9	152.7	157.1	156.0
7.5°	156.9	159.2	157.7	159.2	154.7	158.5	156.6	158.0	158.4	155.9	154.4
10°	154.7	160.1	158.6	157.7	157.2	157.9	155.2	157.6	158.2	155.5	153.8
12.5°	158.9	161.4	159.3	160.6	155.8	159.7	157.6	157.8	156.1	154.9	153.0
15°	160.4	161.0	161.2	162.4	158.5	159.0	158.2	157.9	156.2	154.1	152.3
17.5°	158.5	164.2	162.2	162.0	160.7	160.0	159.0	158.2	157.8	154.3	151.0
20°	164.0	165.9	164.5	163.6	161.4	162.7	160.0	159.1	154.4	152.6	149.8
22.5°	162.0	166.1	166.0	166.6	164.3	164.7	160.0	159.8	155.4	151.5	149.4
25°	168.0	170.0	167.8	167.5	164.3	165.5	160.5	159.6	154.6	150.3	148.4
27.5°	170.3	172.0	171.1	171.7	168.7	166.3	163.8	162.5	154.9	149.6	145.2
30°	172.1	175.2	174.5	173.1	169.6	168.3	165.6	163.0	157.9	148.7	145.5
32.5°	169.2	175.0	172.1	173.3	172.9	169.8	166.0	162.6	158.0	149.6	143.0
35°	174.5	173.5	173.9	175.8	173.0	171.3	168.9	164.5	157.9	148.1	140.4
37.5°	174.6	175.6	173.1	176.2	173.5	172.0	167.5	162.7	156.9	143.8	136.9
40°	168.9	172.0	172.8	175.6	174.8	173.9	169.5	163.3	155.1	141.4	135.1
42.5°	163.2	170.5	168.4	173.1	174.5	171.4	168.8	159.8	152.7	138.2	131.4
45°	165.2	169.8	169.4	172.5	171.1	171.9	167.1	159.2	147.5	136.0	127.3
47.5°	158.0	166.4	164.3	169.6	169.1	167.5	164.5	155.5	145.0	129.4	120.4
50°	157.7	160.5	161.6	164.3	166.9	165.7	158.9	155.0	140.0	123.3	117.1
52.5°	155.6	154.1	156.3	159.1	161.1	161.4	154.1	144.9	135.0	120.6	110.4
55°	150.0	148.7	150.6	153.4	158.1	155.2	151.8	140.5	128.0	112.8	106.9
57.5°	142.2	140.5	141.6	146.7	151.2	150.3	145.5	134.7	126.0	108.6	99.1
60°	134.3	132.9	132.2	138.0	140.6	141.8	136.8	125.7	115.5	100.6	94.1
62.5°	124.4	125.9	126.7	129.3	131.7	131.7	129.1	117.2	106.6	93.2	87.2
65°	113.7	112.3	113.6	119.8	122.8	122.1	120.4	108.0	97.7	85.2	78.6
67.5°	100.8	100.8	104.4	106.5	111.6	108.9	107.1	98.2	86.6	76.4	69.2
70°	90.2	89.6	90.0	94.1	96.3	97.9	94.7	85.0	76.5	67.2	63.0
72.5°	77.4	76.5	77.0	81.2	82.8	84.6	80.3	72.7	66.3	57.5	53.0
75°	63.4	63.5	64.6	65.9	69.5	68.0	66.7	60.3	53.4	46.6	43.6
77.5°	50.4	50.5	51.4	53.4	55.1	55.2	53.7	47.5	41.6	36.5	34.2
80°	38.1	37.7	38.0	39.3	41.2	40.8	39.1	35.1	31.2	26.4	25.2
82.5°	25.6	25.8	25.9	27.1	26.9	26.5	26.1	23.6	21.0	17.3	16.4
85°	15.5	15.6	16.0	15.7	15.9	16.0	14.6	12.9	10.9	9.7	8.6
87.5°	8.7	8.3	8.3	7.6	7.3	6.7	5.8	4.9	4.1	3.1	2.8
90°	6.1	6.1	5.7	4.9	3.9	3.1	2.2	1.4	0.8	0.4	0.4
92.5°	8.7	8.3	8.3	7.6	7.3	6.7	5.8	4.9	4.1	3.1	2.8
95°	15.5	15.6	16.0	15.7	15.9	16.0	14.6	12.9	10.9	9.7	8.6
97.5°	25.6	25.8	25.9	27.1	26.9	26.5	26.1	23.6	21.0	17.3	16.4
100°	38.1	37.7	38.0	39.3	41.2	40.8	39.1	35.1	31.2	26.4	25.2
102.5°	50.4	50.5	51.4	53.4	55.1	55.2	53.7	47.5	41.6	36.5	34.2
105°	63.4	63.5	64.6	65.9	69.5	68.0	66.7	60.3	53.4	46.6	43.6
107.5°	77.4	76.5	77.0	81.2	82.8	84.6	80.3	72.7	66.3	57.5	53.0
110°	90.2	89.6	90.0	94.1	96.3	97.9	94.7	85.0	76.5	67.2	63.0



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CATALOG NUMBER: 303-W2-LEDB2-4000-UNV-T4-DIM10-CS

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	100.8	100.8	104.4	106.5	111.6	108.9	107.1	98.2	86.6	76.4	69.2
115°	113.7	112.3	113.6	119.8	122.8	122.1	120.4	108.0	97.7	85.2	78.6
117.5°	124.4	125.9	126.7	129.3	131.7	131.7	129.1	117.2	106.6	93.2	87.2
120°	134.3	132.9	132.2	138.0	140.6	141.8	136.8	125.7	115.5	100.6	94.1
122.5°	142.2	140.5	141.6	146.7	151.2	150.3	145.5	134.7	126.0	108.6	99.1
125°	150.0	148.7	150.6	153.4	158.1	155.2	151.8	140.5	128.0	112.8	106.9
127.5°	155.6	154.1	156.3	159.1	161.1	161.4	154.1	144.9	135.0	120.6	110.4
130°	157.7	160.5	161.6	164.3	166.9	165.7	158.9	155.0	140.0	123.3	117.1
132.5°	158.0	166.4	164.3	169.6	169.1	167.5	164.5	155.5	145.0	129.4	120.4
135°	165.2	169.8	169.4	172.5	171.1	171.9	167.1	159.2	147.5	136.0	127.3
137.5°	163.2	170.5	168.4	173.1	174.5	171.4	168.8	159.8	152.7	138.2	131.4
140°	168.9	172.0	172.8	175.6	174.8	173.9	169.5	163.3	155.1	141.4	135.1
142.5°	174.6	175.6	173.1	176.2	173.5	172.0	167.5	162.7	156.9	143.8	136.9
145°	174.5	173.5	173.9	175.8	173.0	171.3	168.9	164.5	157.9	148.1	140.4
147.5°	169.2	175.0	172.1	173.3	172.9	169.8	166.0	162.6	158.0	149.6	143.0
150°	172.1	175.2	174.5	173.1	169.6	168.3	165.6	163.0	157.9	148.7	145.5
152.5°	170.3	172.0	171.1	171.7	168.7	166.3	163.8	162.5	154.9	149.6	145.2
155°	168.0	170.0	167.8	167.5	164.3	165.5	160.5	159.6	154.6	150.3	148.4
157.5°	162.0	166.1	166.0	166.6	164.3	164.7	160.0	159.8	155.4	151.5	149.4
160°	164.0	165.9	164.5	163.6	161.4	162.7	160.0	159.1	154.4	152.6	149.8
162.5°	158.5	164.2	162.2	162.0	160.7	160.0	159.0	158.2	157.8	154.3	151.0
165°	160.4	161.0	161.2	162.4	158.5	159.0	158.2	157.9	156.2	154.1	152.3
167.5°	158.9	161.4	159.3	160.6	155.8	159.7	157.6	157.8	156.1	154.9	153.0
170°	154.7	160.1	158.6	157.7	157.2	157.9	155.2	157.6	158.2	155.5	153.8
172.5°	156.9	159.2	157.7	159.2	154.7	158.5	156.6	158.0	158.4	155.9	154.4
175°	153.6	158.9	157.1	158.3	155.9	160.9	156.3	157.9	152.7	157.1	156.0
177.5°	153.4	156.4	156.3	155.0	154.1	157.4	153.9	157.2	156.3	156.1	157.1
180°	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9
2.5°	156.2	158.1	156.8	155.3	154.0	155.4	155.6	154.1	154.6	156.7
5°	157.2	154.5	156.1	156.2	154.9	155.7	150.9	154.2	153.4	155.3
7.5°	155.2	156.6	154.8	154.7	153.2	154.1	153.1	152.2	154.3	153.5
10°	154.7	153.7	154.8	153.3	148.0	150.4	149.2	150.0	149.3	151.4
12.5°	153.3	151.5	151.9	151.2	149.3	148.1	148.8	149.3	150.4	148.3
15°	152.3	151.0	149.8	150.0	148.7	145.8	142.5	144.3	143.4	145.3
17.5°	150.9	148.8	148.4	145.2	142.4	144.2	142.8	141.1	140.0	142.4
20°	150.1	148.3	145.8	141.4	139.1	138.7	138.9	138.6	137.6	137.4
22.5°	147.7	144.3	142.4	138.0	136.8	134.6	131.4	133.8	131.3	132.6
25°	145.9	141.8	139.6	135.7	134.2	130.0	129.2	126.0	127.1	127.9
27.5°	145.1	140.6	135.0	129.8	127.8	124.8	124.8	121.7	122.2	122.6
30°	142.3	136.0	132.8	126.8	121.9	119.4	117.7	116.4	116.9	116.7
32.5°	139.9	132.2	126.3	119.0	116.3	113.5	113.0	108.9	111.8	112.1
35°	137.0	128.3	121.3	113.3	111.4	107.1	106.2	103.7	103.2	103.9
37.5°	134.9	123.7	116.4	107.6	103.3	101.1	99.2	95.0	93.7	94.5
40°	129.6	118.6	110.2	102.4	96.4	91.0	91.2	86.4	84.5	84.1
42.5°	128.0	113.5	104.2	95.4	89.9	84.8	80.6	75.3	67.5	65.0
45°	120.6	108.6	96.4	87.5	82.0	75.8	67.0	52.1	50.1	50.0
47.5°	115.5	102.7	90.0	81.6	74.3	66.0	52.4	43.1	40.4	39.8
50°	110.8	95.8	83.8	74.5	66.7	50.6	43.2	34.4	30.9	32.7
52.5°	104.8	90.4	78.2	67.6	57.0	42.7	36.3	28.0	24.6	24.6
55°	99.5	85.5	73.6	61.5	47.6	36.9	29.4	20.2	14.8	14.0
57.5°	93.7	79.7	68.6	55.3	41.6	30.9	21.5	9.7	5.8	5.9
60°	86.9	74.1	62.0	46.9	36.7	25.0	14.0	4.3	0.4	0.4
62.5°	81.1	68.0	56.3	42.1	31.7	17.7	9.3	0.5	0.1	0.1
65°	74.2	61.7	50.9	37.6	26.6	14.9	7.2	0.8	0.1	0.1
67.5°	65.8	55.3	45.2	33.2	22.9	12.6	6.8	1.2	0.1	0.1
70°	57.4	48.5	39.6	28.9	19.7	11.3	6.1	1.3	0.1	0.1
72.5°	49.3	41.1	33.3	24.5	16.4	9.6	5.3	1.2	0.1	0.1
75°	40.0	33.8	27.5	20.2	13.6	7.9	4.3	1.0	0.1	0.1
77.5°	31.0	26.3	22.4	15.9	10.9	6.3	3.4	0.8	0.1	0.1
80°	23.7	19.5	15.9	11.6	8.0	4.5	2.5	0.6	0.1	0.1
82.5°	14.9	12.9	10.7	7.7	5.2	3.0	1.7	0.3	0.0	0.0
85°	8.3	7.0	6.1	4.4	3.1	1.7	0.9	0.2	0.0	0.0
87.5°	2.9	2.5	2.2	1.7	1.2	0.6	0.3	0.0	0.0	0.0
90°	0.4	0.4	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.0
92.5°	2.9	2.5	2.2	1.7	1.2	0.6	0.3	0.0	0.0	0.0
95°	8.3	7.0	6.1	4.4	3.1	1.7	0.9	0.2	0.0	0.0
97.5°	14.9	12.9	10.7	7.7	5.2	3.0	1.7	0.3	0.0	0.0
100°	23.7	19.5	15.9	11.6	8.0	4.5	2.5	0.6	0.1	0.1
102.5°	31.0	26.3	22.4	15.9	10.9	6.3	3.4	0.8	0.1	0.1
105°	40.0	33.8	27.5	20.2	13.6	7.9	4.3	1.0	0.1	0.1
107.5°	49.3	41.1	33.3	24.5	16.4	9.6	5.3	1.2	0.1	0.1
110°	57.4	48.5	39.6	28.9	19.7	11.3	6.1	1.3	0.1	0.1





TEST NUMBER: P394999

CATALOG NUMBER: 303-W2-LEDB2-4000-UNV-T4-DIM10-CS

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	65.8	55.3	45.2	33.2	22.9	12.6	6.8	1.2	0.1	0.1
115°	74.2	61.7	50.9	37.6	26.6	14.9	7.2	0.8	0.1	0.1
117.5°	81.1	68.0	56.3	42.1	31.7	17.7	9.3	0.5	0.1	0.1
120°	86.9	74.1	62.0	46.9	36.7	25.0	14.0	4.3	0.4	0.4
122.5°	93.7	79.7	68.6	55.3	41.6	30.9	21.5	9.7	5.8	5.9
125°	99.5	85.5	73.6	61.5	47.6	36.9	29.4	20.2	14.8	14.0
127.5°	104.8	90.4	78.2	67.6	57.0	42.7	36.3	28.0	24.6	24.6
130°	110.8	95.8	83.8	74.5	66.7	50.6	43.2	34.4	30.9	32.7
132.5°	115.5	102.7	90.0	81.6	74.3	66.0	52.4	43.1	40.4	39.8
135°	120.6	108.6	96.4	87.5	82.0	75.8	67.0	52.1	50.1	50.0
137.5°	128.0	113.5	104.2	95.4	89.9	84.8	80.6	75.3	67.5	65.0
140°	129.6	118.6	110.2	102.4	96.4	91.0	91.2	86.4	84.5	84.1
142.5°	134.9	123.7	116.4	107.6	103.3	101.1	99.2	95.0	93.7	94.5
145°	137.0	128.3	121.3	113.3	111.4	107.1	106.2	103.7	103.2	103.9
147.5°	139.9	132.2	126.3	119.0	116.3	113.5	113.0	108.9	111.8	112.1
150°	142.3	136.0	132.8	126.8	121.9	119.4	117.7	116.4	116.9	116.7
152.5°	145.1	140.6	135.0	129.8	127.8	124.8	124.8	121.7	122.2	122.6
155°	145.9	141.8	139.6	135.7	134.2	130.0	129.2	126.0	127.1	127.9
157.5°	147.7	144.3	142.4	138.0	136.8	134.6	131.4	133.8	131.3	132.6
160°	150.1	148.3	145.8	141.4	139.1	138.7	138.9	138.6	137.6	137.4
162.5°	150.9	148.8	148.4	145.2	142.4	144.2	142.8	141.1	140.0	142.4
165°	152.3	151.0	149.8	150.0	148.7	145.8	142.5	144.3	143.4	145.3
167.5°	153.3	151.5	151.9	151.2	149.3	148.1	148.8	149.3	150.4	148.3
170°	154.7	153.7	154.8	153.3	148.0	150.4	149.2	150.0	149.3	151.4
172.5°	155.2	156.6	154.8	154.7	153.2	154.1	153.1	152.2	154.3	153.5
175°	157.2	154.5	156.1	156.2	154.9	155.7	150.9	154.2	153.4	155.3
177.5°	156.2	158.1	156.8	155.3	154.0	155.4	155.6	154.1	154.6	156.7
180°	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9	155.9

(END OF REPORT)