

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: P394997

Luminaire Tested: **303-W2-LEDB2-3000-UNV-T4-DIM10-CS**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394997
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-LEDB2-3000-UNV-T4-DIM10-CS
Description: LUMIERE EON LED LUMINAIRE
WALL MOUNT, DIRECT-INDIRECT, TWO LIGHTBARS, TYPE 4
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 976.6 lumens
Efficiency: N/A
Efficacy: 63.0 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

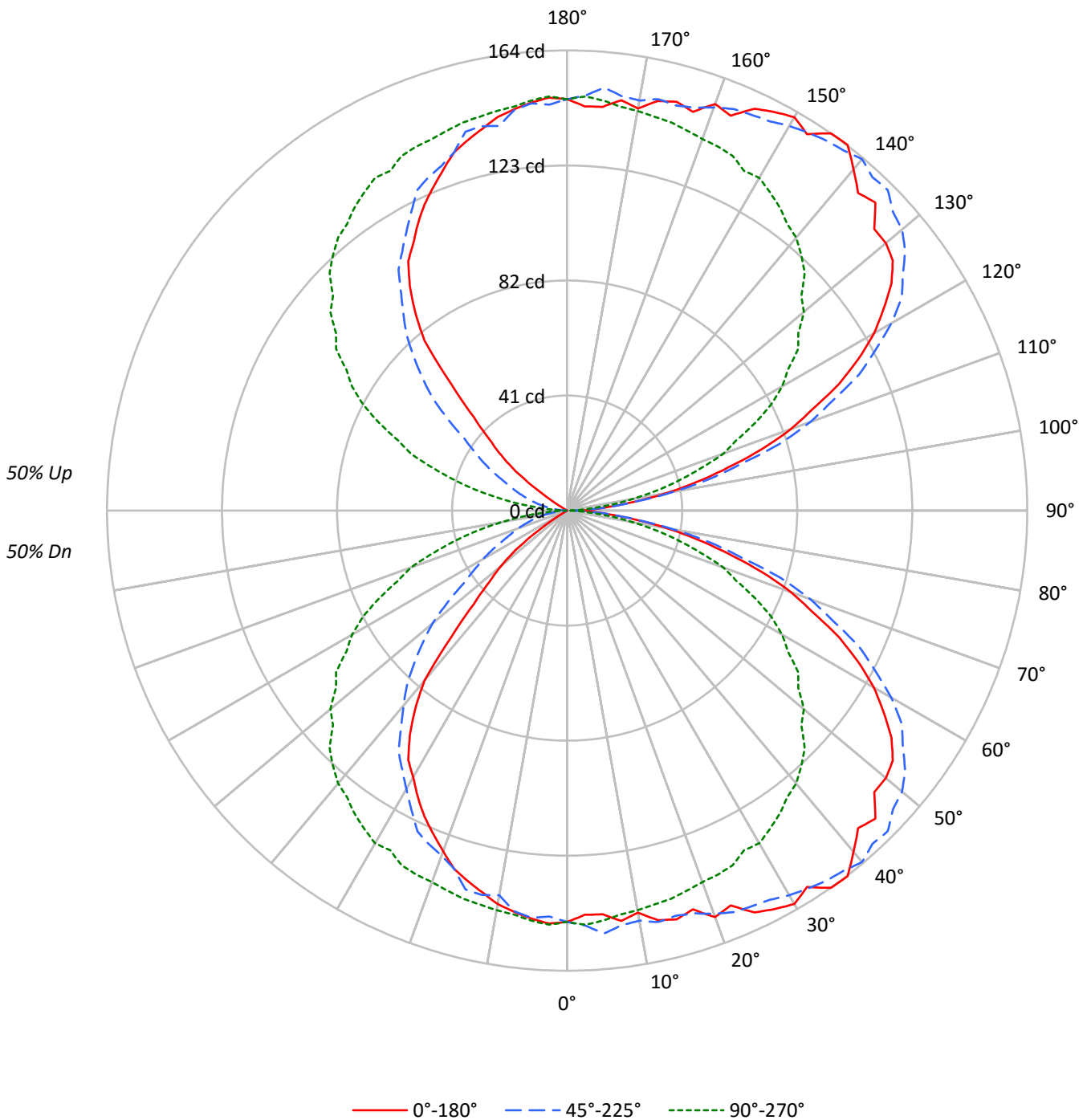
Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	20198	20198	20198
5°	19971	20289	20192
10°	20356	20230	19922
15°	21510	20426	19499
20°	22609	20659	18943
25°	24019	21207	18288
30°	25757	21780	17452
35°	27601	22202	16433
40°	28561	22842	14227
45°	30260	23323	9158
50°	31787	23599	6580
55°	33894	24141	3171
60°	34803	24387	110
65°	34851	24092	33
70°	34161	23848	40
75°	31727	21826	53
80°	28484	18804	79
85°	22922	12805	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	1.4
10°-20°	40.8	4.2
20°-30°	64.5	6.6
30°-40°	82.8	8.5
40°-50°	88.8	9.1
50°-60°	82.4	8.4
60°-70°	65.6	6.7
70°-80°	39.1	4.0
80°-90°	10.3	1.1
90°-100°	10.3	1.1
100°-110°	39.1	4.0
110°-120°	65.6	6.7
120°-130°	82.4	8.4
130°-140°	88.8	9.1
140°-150°	82.8	8.5
150°-160°	64.5	6.6
160°-170°	40.8	4.2
170°-180°	14.0	1.4
0°-30°	119.3	12.2
0°-40°	202.0	20.7
0°-60°	373.2	38.2
0°-90°	488.3	50.0
90°-120°	115.0	11.8
90°-150°	369.0	37.8
90°-180°	488.0	50.0
0°-180°	976.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	147	147	147	147	147	
5°	144	151	147	146	146	14
15°	151	150	143	140	137	43
25°	158	156	140	126	120	73
35°	164	161	132	105	98	102
45°	155	162	120	77	47	118
55°	141	146	100	45	13	125
65°	107	115	74	25	0	105
75°	60	64	41	13	0	63
85°	14	15	8	3	0	16
90°	6	3	0	0	0	4
95°	14	15	8	3	0	16
105°	60	64	41	13	0	63
115°	107	115	74	25	0	105
125°	141	146	100	45	13	125
135°	155	162	120	77	47	118
145°	164	161	132	105	98	102
155°	158	156	140	126	120	73
165°	151	150	143	140	137	43
175°	144	151	147	146	146	14
180°	147	147	147	147	147	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6
2.5°	144.2	147.1	147.0	145.8	144.9	148.0	144.7	147.8	147.0	146.8	147.7
5°	144.4	149.5	147.7	148.8	146.6	151.3	147.0	148.4	143.6	147.7	146.7
7.5°	147.5	149.7	148.3	149.7	145.5	149.0	147.2	148.5	148.9	146.6	145.2
10°	145.5	150.6	149.1	148.3	147.8	148.4	146.0	148.2	148.7	146.2	144.6
12.5°	149.5	151.8	149.8	151.0	146.5	150.2	148.2	148.3	146.8	145.7	143.8
15°	150.8	151.4	151.6	152.7	149.0	149.5	148.7	148.4	146.9	144.9	143.2
17.5°	149.0	154.4	152.5	152.3	151.1	150.5	149.5	148.7	148.3	145.1	142.0
20°	154.2	156.0	154.7	153.9	151.8	152.9	150.5	149.6	145.2	143.5	140.9
22.5°	152.3	156.2	156.1	156.6	154.5	154.9	150.5	150.3	146.1	142.5	140.4
25°	158.0	159.8	157.8	157.5	154.5	155.6	150.9	150.1	145.4	141.4	139.5
27.5°	160.1	161.8	160.9	161.4	158.6	156.4	154.1	152.8	145.7	140.7	136.5
30°	161.9	164.7	164.1	162.8	159.5	158.3	155.7	153.3	148.4	139.8	136.9
32.5°	159.1	164.5	161.9	163.0	162.6	159.7	156.1	152.9	148.5	140.6	134.5
35°	164.1	163.2	163.5	165.3	162.7	161.0	158.8	154.7	148.4	139.2	132.0
37.5°	164.2	165.1	162.8	165.6	163.2	161.8	157.5	152.9	147.5	135.2	128.8
40°	158.8	161.8	162.5	165.1	164.4	163.5	159.4	153.6	145.9	133.0	127.0
42.5°	153.5	160.3	158.4	162.8	164.1	161.1	158.7	150.3	143.6	130.0	123.5
45°	155.3	159.7	159.3	162.2	160.9	161.6	157.1	149.7	138.7	127.8	119.7
47.5°	148.5	156.4	154.5	159.5	159.0	157.5	154.7	146.2	136.3	121.7	113.2
50°	148.3	150.9	151.9	154.5	156.9	155.8	149.5	145.8	131.6	116.0	110.1
52.5°	146.3	144.9	147.0	149.6	151.5	151.8	144.9	136.2	126.9	113.4	103.8
55°	141.1	139.8	141.6	144.2	148.6	146.0	142.7	132.1	120.4	106.0	100.5
57.5°	133.7	132.1	133.2	138.0	142.2	141.4	136.9	126.6	118.5	102.1	93.2
60°	126.3	125.0	124.3	129.8	132.2	133.4	128.7	118.2	108.6	94.6	88.5
62.5°	117.0	118.4	119.1	121.6	123.8	123.8	121.4	110.2	100.2	87.6	82.0
65°	106.9	105.6	106.8	112.7	115.5	114.8	113.2	101.5	91.9	80.1	73.9
67.5°	94.8	94.8	98.1	100.2	104.9	102.4	100.7	92.3	81.4	71.8	65.1
70°	84.8	84.2	84.6	88.5	90.6	92.1	89.0	79.9	71.9	63.2	59.2
72.5°	72.7	71.9	72.4	76.3	77.9	79.6	75.5	68.3	62.4	54.1	49.8
75°	59.6	59.7	60.7	62.0	65.4	63.9	62.7	56.7	50.2	43.8	41.0
77.5°	47.4	47.5	48.4	50.2	51.8	51.9	50.5	44.7	39.1	34.3	32.2
80°	35.9	35.4	35.7	37.0	38.7	38.4	36.8	33.0	29.3	24.8	23.7
82.5°	24.1	24.3	24.4	25.5	25.3	24.9	24.6	22.2	19.8	16.3	15.5
85°	14.5	14.7	15.1	14.8	15.0	15.1	13.7	12.1	10.2	9.1	8.1
87.5°	8.2	7.8	7.8	7.2	6.9	6.3	5.4	4.6	3.9	2.9	2.7
90°	5.7	5.7	5.3	4.6	3.7	2.9	2.0	1.3	0.7	0.4	0.4
92.5°	8.2	7.8	7.8	7.2	6.9	6.3	5.4	4.6	3.9	2.9	2.7
95°	14.5	14.7	15.1	14.8	15.0	15.1	13.7	12.1	10.2	9.1	8.1
97.5°	24.1	24.3	24.4	25.5	25.3	24.9	24.6	22.2	19.8	16.3	15.5
100°	35.9	35.4	35.7	37.0	38.7	38.4	36.8	33.0	29.3	24.8	23.7
102.5°	47.4	47.5	48.4	50.2	51.8	51.9	50.5	44.7	39.1	34.3	32.2
105°	59.6	59.7	60.7	62.0	65.4	63.9	62.7	56.7	50.2	43.8	41.0
107.5°	72.7	71.9	72.4	76.3	77.9	79.6	75.5	68.3	62.4	54.1	49.8
110°	84.8	84.2	84.6	88.5	90.6	92.1	89.0	79.9	71.9	63.2	59.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	94.8	94.8	98.1	100.2	104.9	102.4	100.7	92.3	81.4	71.8	65.1
115°	106.9	105.6	106.8	112.7	115.5	114.8	113.2	101.5	91.9	80.1	73.9
117.5°	117.0	118.4	119.1	121.6	123.8	123.8	121.4	110.2	100.2	87.6	82.0
120°	126.3	125.0	124.3	129.8	132.2	133.4	128.7	118.2	108.6	94.6	88.5
122.5°	133.7	132.1	133.2	138.0	142.2	141.4	136.9	126.6	118.5	102.1	93.2
125°	141.1	139.8	141.6	144.2	148.6	146.0	142.7	132.1	120.4	106.0	100.5
127.5°	146.3	144.9	147.0	149.6	151.5	151.8	144.9	136.2	126.9	113.4	103.8
130°	148.3	150.9	151.9	154.5	156.9	155.8	149.5	145.8	131.6	116.0	110.1
132.5°	148.5	156.4	154.5	159.5	159.0	157.5	154.7	146.2	136.3	121.7	113.2
135°	155.3	159.7	159.3	162.2	160.9	161.6	157.1	149.7	138.7	127.8	119.7
137.5°	153.5	160.3	158.4	162.8	164.1	161.1	158.7	150.3	143.6	130.0	123.5
140°	158.8	161.8	162.5	165.1	164.4	163.5	159.4	153.6	145.9	133.0	127.0
142.5°	164.2	165.1	162.8	165.6	163.2	161.8	157.5	152.9	147.5	135.2	128.8
145°	164.1	163.2	163.5	165.3	162.7	161.0	158.8	154.7	148.4	139.2	132.0
147.5°	159.1	164.5	161.9	163.0	162.6	159.7	156.1	152.9	148.5	140.6	134.5
150°	161.9	164.7	164.1	162.8	159.5	158.3	155.7	153.3	148.4	139.8	136.9
152.5°	160.1	161.8	160.9	161.4	158.6	156.4	154.1	152.8	145.7	140.7	136.5
155°	158.0	159.8	157.8	157.5	154.5	155.6	150.9	150.1	145.4	141.4	139.5
157.5°	152.3	156.2	156.1	156.6	154.5	154.9	150.5	150.3	146.1	142.5	140.4
160°	154.2	156.0	154.7	153.9	151.8	152.9	150.5	149.6	145.2	143.5	140.9
162.5°	149.0	154.4	152.5	152.3	151.1	150.5	149.5	148.7	148.3	145.1	142.0
165°	150.8	151.4	151.6	152.7	149.0	149.5	148.7	148.4	146.9	144.9	143.2
167.5°	149.5	151.8	149.8	151.0	146.5	150.2	148.2	148.3	146.8	145.7	143.8
170°	145.5	150.6	149.1	148.3	147.8	148.4	146.0	148.2	148.7	146.2	144.6
172.5°	147.5	149.7	148.3	149.7	145.5	149.0	147.2	148.5	148.9	146.6	145.2
175°	144.4	149.5	147.7	148.8	146.6	151.3	147.0	148.4	143.6	147.7	146.7
177.5°	144.2	147.1	147.0	145.8	144.9	148.0	144.7	147.8	147.0	146.8	147.7
180°	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6
2.5°	146.9	148.6	147.4	146.0	144.8	146.1	146.3	144.9	145.4	147.3
5°	147.8	145.3	146.8	146.9	145.7	146.4	141.9	145.0	144.2	146.0
7.5°	146.0	147.2	145.6	145.5	144.0	144.9	143.9	143.1	145.1	144.3
10°	145.5	144.5	145.6	144.1	139.2	141.5	140.3	141.1	140.3	142.4
12.5°	144.1	142.5	142.8	142.2	140.3	139.2	139.9	140.3	141.5	139.4
15°	143.2	142.0	140.9	141.1	139.8	137.1	134.0	135.7	134.8	136.7
17.5°	141.9	139.9	139.5	136.5	133.9	135.6	134.3	132.7	131.6	133.9
20°	141.2	139.4	137.1	133.0	130.8	130.4	130.6	130.3	129.4	129.2
22.5°	138.9	135.7	133.9	129.8	128.7	126.6	123.5	125.8	123.4	124.7
25°	137.2	133.4	131.2	127.6	126.2	122.2	121.5	118.5	119.5	120.3
27.5°	136.4	132.2	126.9	122.0	120.2	117.4	117.4	114.4	114.9	115.2
30°	133.8	127.8	124.9	119.2	114.6	112.3	110.6	109.4	109.9	109.7
32.5°	131.5	124.3	118.7	111.9	109.4	106.7	106.2	102.4	105.1	105.4
35°	128.9	120.7	114.0	106.5	104.8	100.7	99.9	97.5	97.0	97.7
37.5°	126.8	116.3	109.4	101.2	97.1	95.1	93.3	89.3	88.1	88.8
40°	121.9	111.6	103.7	96.3	90.7	85.5	85.7	81.2	79.5	79.1
42.5°	120.4	106.7	97.9	89.7	84.5	79.7	75.8	70.8	63.5	61.2
45°	113.4	102.1	90.7	82.3	77.1	71.3	63.0	49.0	47.1	47.0
47.5°	108.6	96.6	84.6	76.7	69.9	62.1	49.3	40.6	38.0	37.4
50°	104.2	90.0	78.8	70.1	62.7	47.5	40.7	32.4	29.1	30.7
52.5°	98.5	85.0	73.5	63.6	53.6	40.2	34.1	26.3	23.1	23.2
55°	93.5	80.4	69.2	57.8	44.8	34.7	27.7	19.0	13.9	13.2
57.5°	88.1	75.0	64.5	52.0	39.1	29.1	20.2	9.1	5.4	5.5
60°	81.7	69.7	58.3	44.1	34.5	23.5	13.2	4.0	0.4	0.4
62.5°	76.2	63.9	53.0	39.5	29.8	16.6	8.7	0.5	0.1	0.1
65°	69.8	58.0	47.8	35.3	25.0	14.0	6.8	0.7	0.1	0.1
67.5°	61.9	52.0	42.5	31.2	21.5	11.9	6.4	1.1	0.1	0.1
70°	54.0	45.6	37.2	27.1	18.5	10.7	5.7	1.2	0.1	0.1
72.5°	46.4	38.6	31.3	23.0	15.5	9.0	5.0	1.1	0.1	0.1
75°	37.6	31.8	25.8	19.0	12.8	7.4	4.0	0.9	0.1	0.1
77.5°	29.2	24.7	21.1	15.0	10.2	5.9	3.2	0.7	0.1	0.1
80°	22.3	18.3	15.0	10.9	7.5	4.2	2.4	0.6	0.1	0.1
82.5°	14.0	12.1	10.0	7.3	4.9	2.9	1.6	0.3	0.0	0.0
85°	7.8	6.6	5.7	4.1	2.9	1.6	0.8	0.2	0.0	0.0
87.5°	2.8	2.4	2.0	1.6	1.1	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°	2.8	2.4	2.0	1.6	1.1	0.6	0.3	0.0	0.0	0.0
95°	7.8	6.6	5.7	4.1	2.9	1.6	0.8	0.2	0.0	0.0
97.5°	14.0	12.1	10.0	7.3	4.9	2.9	1.6	0.3	0.0	0.0
100°	22.3	18.3	15.0	10.9	7.5	4.2	2.4	0.6	0.1	0.1
102.5°	29.2	24.7	21.1	15.0	10.2	5.9	3.2	0.7	0.1	0.1
105°	37.6	31.8	25.8	19.0	12.8	7.4	4.0	0.9	0.1	0.1
107.5°	46.4	38.6	31.3	23.0	15.5	9.0	5.0	1.1	0.1	0.1
110°	54.0	45.6	37.2	27.1	18.5	10.7	5.7	1.2	0.1	0.1



TEST NUMBER: P394997

CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T4-DIM10-CS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	61.9	52.0	42.5	31.2	21.5	11.9	6.4	1.1	0.1	0.1
115°	69.8	58.0	47.8	35.3	25.0	14.0	6.8	0.7	0.1	0.1
117.5°	76.2	63.9	53.0	39.5	29.8	16.6	8.7	0.5	0.1	0.1
120°	81.7	69.7	58.3	44.1	34.5	23.5	13.2	4.0	0.4	0.4
122.5°	88.1	75.0	64.5	52.0	39.1	29.1	20.2	9.1	5.4	5.5
125°	93.5	80.4	69.2	57.8	44.8	34.7	27.7	19.0	13.9	13.2
127.5°	98.5	85.0	73.5	63.6	53.6	40.2	34.1	26.3	23.1	23.2
130°	104.2	90.0	78.8	70.1	62.7	47.5	40.7	32.4	29.1	30.7
132.5°	108.6	96.6	84.6	76.7	69.9	62.1	49.3	40.6	38.0	37.4
135°	113.4	102.1	90.7	82.3	77.1	71.3	63.0	49.0	47.1	47.0
137.5°	120.4	106.7	97.9	89.7	84.5	79.7	75.8	70.8	63.5	61.2
140°	121.9	111.6	103.7	96.3	90.7	85.5	85.7	81.2	79.5	79.1
142.5°	126.8	116.3	109.4	101.2	97.1	95.1	93.3	89.3	88.1	88.8
145°	128.9	120.7	114.0	106.5	104.8	100.7	99.9	97.5	97.0	97.7
147.5°	131.5	124.3	118.7	111.9	109.4	106.7	106.2	102.4	105.1	105.4
150°	133.8	127.8	124.9	119.2	114.6	112.3	110.6	109.4	109.9	109.7
152.5°	136.4	132.2	126.9	122.0	120.2	117.4	117.4	114.4	114.9	115.2
155°	137.2	133.4	131.2	127.6	126.2	122.2	121.5	118.5	119.5	120.3
157.5°	138.9	135.7	133.9	129.8	128.7	126.6	123.5	125.8	123.4	124.7
160°	141.2	139.4	137.1	133.0	130.8	130.4	130.6	130.3	129.4	129.2
162.5°	141.9	139.9	139.5	136.5	133.9	135.6	134.3	132.7	131.6	133.9
165°	143.2	142.0	140.9	141.1	139.8	137.1	134.0	135.7	134.8	136.7
167.5°	144.1	142.5	142.8	142.2	140.3	139.2	139.9	140.3	141.5	139.4
170°	145.5	144.5	145.6	144.1	139.2	141.5	140.3	141.1	140.3	142.4
172.5°	146.0	147.2	145.6	145.5	144.0	144.9	143.9	143.1	145.1	144.3
175°	147.8	145.3	146.8	146.9	145.7	146.4	141.9	145.0	144.2	146.0
177.5°	146.9	148.6	147.4	146.0	144.8	146.1	146.3	144.9	145.4	147.3
180°	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6

(END OF REPORT)