

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMIERE

Report Number: P394859

Luminaire Tested: **303-W1-LEDB2-4000-UNV-T2-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394859
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-623-1)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-W1-LEDB2-4000-UNV-T2-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
WALL MOUNT, TWO LIGHTBARS, TYPE 2 WITH EDGE GLOW
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

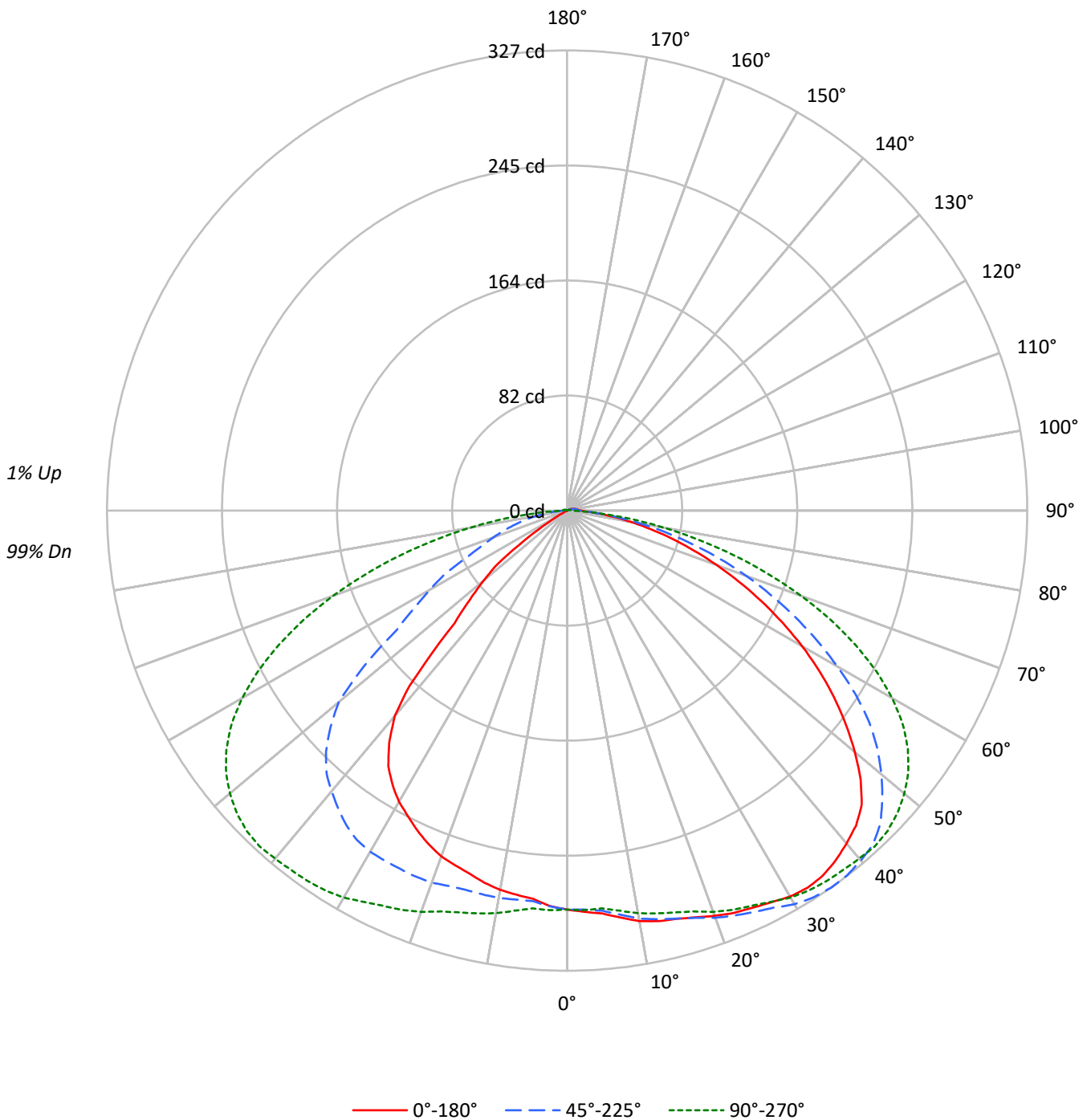
Lumens per Lamp: N/A
Luminaire Lumens: 1078.2 lumens
Efficiency: N/A
Efficacy: 69.6 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 1.71 / 1.67
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')
CIE Type: Direct

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: 24 FT



TEST NUMBER: P394859
CATALOG NUMBER: 303-W1-LEDB2-4000-UNV-T2-DIM10-EDGE

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	108	103	99	95	105	101	97	93	96	93	90	92	90	87	89	87	84	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	69	59	53	79	67	59	52	65	57	51	62	56	50	60	54	50	47
5	74	61	52	45	72	60	51	44	57	50	44	55	49	43	53	47	43	40
6	68	54	45	39	66	53	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	37	33	31
8	58	45	36	30	57	44	35	30	42	35	29	41	34	29	40	34	29	27
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	23	34	28	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	19530	19530	19530
5°	19833	19580	19115
10°	20633	20226	19065
15°	21281	20933	18935
20°	22275	22029	19005
25°	23408	23267	18883
30°	24848	24873	18744
35°	26194	26534	18328
40°	27231	28394	16776
45°	28162	30556	10780
50°	27799	32491	8075
55°	26895	34201	4343
60°	25517	35137	926
65°	23595	34862	0
70°	21334	33180	0
75°	18835	29655	49
80°	15853	24122	70
85°	12840	14721	124



TEST NUMBER: P394859

CATALOG NUMBER: 303-W1-LEDB2-4000-UNV-T2-DIM10-EDGE

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.2	2.5
10°-20°	82.3	7.6
20°-30°	137.3	12.7
30°-40°	186.2	17.3
40°-50°	208.5	19.3
50°-60°	189.7	17.6
60°-70°	140.0	13.0
70°-80°	78.0	7.2
80°-90°	20.9	1.9
90°-100°	4.5	0.4
100°-110°	2.7	0.3
110°-120°	0.9	0.1
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	246.8	22.9
0°-40°	433.0	40.2
0°-60°	831.2	77.1
0°-90°	1070.1	99.3
90°-120°	8.0	0.7
90°-150°	8.0	0.7
90°-180°	8.0	0.7
0°-180°	1078.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	284	284	284	284	284	
5°	287	285	284	279	277	28
15°	300	300	296	279	267	85
25°	311	315	310	281	251	144
35°	317	327	321	273	222	198
45°	296	315	322	242	113	226
55°	232	262	296	148	37	207
65°	152	179	226	78	0	151
75°	77	92	122	38	0	82
85°	21	22	24	9	0	22
90°	9	8	3	3	0	5
95°	8	7	3	2	0	6
105°	5	4	2	1	0	5
115°	2	1	1	1	0	2
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P394859

CATALOG NUMBER: 303-W1-LEDB2-4000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5
2.5°	285.4	285.0	287.4	287.6	286.4	285.2	284.0	286.0	286.2	283.8	287.2
5°	287.4	286.8	289.1	289.3	288.1	286.8	285.8	287.8	287.8	285.4	288.3
7.5°	291.7	290.9	293.6	293.6	292.6	291.9	290.1	292.3	292.1	289.7	292.6
10°	296.2	295.8	298.5	298.3	297.5	296.6	295.0	297.1	296.6	294.4	297.0
12.5°	298.9	298.7	301.5	301.3	300.7	299.9	298.1	300.5	299.7	297.5	300.3
15°	300.3	300.3	303.2	303.2	302.4	301.8	300.3	302.6	302.0	300.1	302.4
17.5°	303.0	303.0	306.1	305.8	305.4	305.0	303.4	306.0	305.2	303.4	305.6
20°	306.5	306.7	310.1	309.7	309.5	309.3	307.5	310.1	309.5	307.9	309.7
22.5°	309.5	309.5	312.8	312.4	312.2	312.2	310.6	313.4	312.8	311.4	313.2
25°	311.4	311.6	314.8	314.6	314.2	314.6	313.2	316.5	315.7	314.6	316.1
27.5°	313.8	314.0	317.3	317.1	317.3	317.9	316.5	319.6	319.1	318.1	319.1
30°	316.7	317.1	320.6	320.2	320.8	321.6	320.6	323.8	323.4	323.0	323.6
32.5°	317.9	318.5	322.2	322.0	322.8	323.9	323.0	326.7	325.9	325.9	326.9
35°	316.7	317.3	320.8	320.8	322.0	323.6	323.0	326.7	326.5	327.1	328.1
37.5°	313.4	314.2	317.5	317.7	319.1	321.2	321.0	325.1	325.3	326.7	327.7
40°	308.9	309.7	313.0	313.4	315.1	317.3	317.3	321.6	322.2	324.7	326.7
42°	304.6	305.6	308.5	308.9	310.8	313.0	313.4	318.1	318.9	322.4	324.9
42.5°	303.8	304.6	307.3	307.5	309.5	311.8	312.2	316.9	317.7	321.6	324.1
45°	296.0	296.2	299.3	299.7	301.8	303.4	304.0	308.3	309.7	314.8	317.9
47.5°	282.9	283.3	285.8	287.2	290.3	292.6	293.4	297.3	298.5	303.8	308.1
50°	266.8	267.4	270.0	271.5	274.7	277.6	280.1	285.0	285.8	291.5	295.6
52.5°	249.6	250.4	252.4	253.9	257.4	260.6	263.5	269.4	271.9	277.8	281.1
55°	231.6	232.4	233.8	235.1	238.5	241.8	245.3	251.4	254.5	262.1	265.5
57.5°	212.8	212.6	216.0	216.0	219.1	222.2	225.7	231.6	234.7	243.0	248.2
60°	192.9	193.5	195.4	195.6	199.1	202.5	206.0	211.1	213.8	221.8	227.7
62.5°	172.5	173.1	172.7	174.9	178.2	181.7	185.6	190.5	192.7	200.3	206.0
65°	152.2	152.8	153.2	154.1	157.5	160.8	164.5	169.0	172.3	178.6	183.7
67.5°	132.2	132.6	131.8	134.0	136.9	140.1	143.6	147.7	150.4	156.5	161.0
70°	112.9	113.3	113.5	114.4	116.8	119.7	123.0	125.6	129.1	135.4	138.3
72.5°	94.5	94.9	94.1	95.5	97.8	99.4	103.1	105.2	107.8	113.5	116.0
75°	77.1	77.3	77.5	77.9	80.4	80.8	83.9	85.5	87.6	92.1	94.3
77.5°	60.6	60.6	60.8	61.2	62.4	63.4	65.7	66.7	68.7	72.0	72.6
80°	45.4	45.6	45.6	45.8	46.9	47.1	49.1	49.5	50.9	52.4	54.2
82.5°	31.9	32.1	32.1	32.1	32.9	32.9	34.0	34.0	34.8	35.6	35.8
85°	20.7	20.7	20.9	20.7	20.9	20.9	21.7	21.3	21.5	22.1	21.5
87.5°	12.7	12.9	12.9	12.7	12.9	12.5	12.9	12.3	12.3	12.3	11.3
90°	9.4	9.6	9.4	9.6	9.6	9.4	9.2	8.8	8.6	8.2	7.8
92.5°	8.4	8.4	8.6	8.6	8.6	8.4	8.4	8.2	7.8	7.6	7.0
95°	7.6	7.6	7.6	7.6	7.8	7.6	7.6	7.4	7.2	7.0	6.5
97.5°	7.0	7.0	6.8	6.8	7.0	7.0	7.0	6.8	6.7	6.5	6.1
100°	6.5	6.5	6.3	6.3	6.3	6.3	6.3	6.1	5.9	5.7	5.5
102.5°	5.7	5.7	5.7	5.5	5.5	5.5	5.5	5.3	5.1	5.1	4.7
105°	4.9	5.1	4.9	4.9	4.7	4.7	4.7	4.5	4.3	4.1	3.9
107.5°	4.3	4.3	4.1	4.1	4.1	3.9	3.7	3.5	3.5	3.3	3.1



TEST NUMBER: P394859

CATALOG NUMBER: 303-W1-LEDB2-4000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
110°	3.5	3.5	3.5	3.3	3.3	3.1	2.9	2.7	2.5	2.5	2.3
112.5°	2.7	2.7	2.7	2.5	2.5	2.3	2.2	2.0	1.8	1.8	1.8
115°	1.8	1.8	1.8	1.8	1.6	1.6	1.6	1.4	1.2	1.2	1.4
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P394859

CATALOG NUMBER: 303-W1-LEDB2-4000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	55°	58°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5
2.5°	284.6	287.0	283.8	285.2	285.4	283.6	284.0	284.0	284.2	286.0	283.6
5°	286.0	288.1	285.0	286.2	286.2	284.0	284.2	284.0	283.8	285.6	282.7
7.5°	289.9	292.1	288.9	289.7	289.3	287.2	287.6	287.2	286.8	288.1	285.0
10°	294.2	296.6	293.4	294.0	293.6	291.1	291.5	291.1	290.5	291.5	288.1
12.5°	297.3	299.7	296.8	297.3	296.8	294.2	294.4	294.2	293.2	294.0	290.5
15°	299.9	302.0	299.5	299.7	298.9	296.6	296.8	296.8	295.6	296.0	292.6
17.5°	303.2	305.6	303.0	302.8	302.6	300.1	300.3	300.3	298.7	299.5	296.0
20°	307.7	310.3	307.7	307.3	307.1	304.8	304.6	305.0	303.4	304.0	300.5
22.5°	311.4	313.6	311.8	311.0	310.4	308.3	308.3	308.7	307.1	307.3	304.0
25°	314.4	316.7	314.8	313.8	313.4	311.2	311.4	312.0	309.9	310.1	307.1
27.5°	317.9	319.8	318.5	317.3	316.5	314.6	314.6	315.3	313.4	313.2	310.3
30°	322.6	324.3	323.4	321.4	320.6	318.7	319.1	319.8	317.5	317.1	314.4
32.5°	326.1	328.1	327.1	325.3	324.3	322.4	322.2	322.8	320.0	319.6	317.1
35°	327.9	330.2	329.6	327.5	326.7	324.5	323.9	324.5	321.4	320.6	318.1
37.5°	328.8	331.6	331.4	329.6	328.8	326.5	325.7	325.9	322.0	320.8	318.1
40°	329.2	331.8	332.4	330.8	330.6	328.6	327.5	327.5	322.8	320.8	317.7
42°	328.4	331.6	332.8	331.8	332.2	330.4	328.8	328.4	323.4	321.2	317.5
42.5°	328.1	331.0	332.6	331.8	332.4	330.8	329.0	328.6	323.6	321.0	317.3
45°	323.4	327.3	329.6	330.2	331.0	330.0	328.3	327.7	322.0	318.7	314.8
47.5°	314.9	319.3	322.6	324.7	326.5	326.7	325.1	324.7	318.3	314.2	309.5
50°	303.8	308.7	313.0	316.3	319.6	321.4	320.0	319.6	312.8	308.1	302.6
52.5°	290.3	295.6	299.9	305.6	310.6	313.6	313.2	312.6	305.6	300.1	294.0
55°	274.3	279.7	285.4	291.9	298.3	303.0	303.2	303.0	295.6	289.5	283.3
57.5°	256.7	261.5	267.8	275.0	283.6	289.5	290.3	290.1	282.9	276.2	268.6
60°	237.3	241.6	247.9	255.7	265.1	272.1	273.9	274.3	266.8	260.2	253.1
62.5°	216.2	220.7	226.5	234.2	243.9	252.0	254.3	255.3	247.9	241.2	233.6
65°	193.5	198.0	204.2	211.3	221.1	229.5	232.0	233.0	226.1	220.1	213.4
67.5°	169.8	174.1	180.2	187.0	196.4	204.6	207.4	208.7	202.5	196.6	190.5
70°	146.1	149.6	155.3	161.8	170.6	177.0	180.9	182.3	176.8	171.6	166.3
72.5°	122.7	125.4	130.7	136.2	143.8	149.6	153.4	154.7	149.8	145.5	141.4
75°	99.4	101.9	106.2	110.9	117.2	123.4	125.4	126.8	122.5	118.9	115.8
77.5°	77.3	78.8	82.6	86.3	91.2	94.7	97.4	98.8	95.3	92.5	90.2
80°	56.5	57.3	60.3	62.6	66.3	68.5	70.6	71.4	70.0	67.1	65.7
82.5°	38.0	38.1	40.1	41.3	43.2	45.6	46.0	46.4	45.2	43.4	43.0
85°	22.5	22.1	23.5	23.5	23.9	25.2	25.0	25.0	24.3	23.9	23.7
87.5°	11.5	11.0	11.3	11.0	10.6	10.6	10.0	9.8	9.4	9.4	9.6
90°	7.2	6.8	6.8	6.3	5.5	4.9	4.3	3.7	3.3	3.3	3.5
92.5°	6.7	6.3	6.3	5.7	5.1	4.5	3.9	3.3	2.9	2.9	3.1
95°	6.3	5.9	5.9	5.3	4.7	4.1	3.3	2.9	2.7	2.7	2.9
97.5°	5.7	5.5	5.3	4.7	4.1	3.5	3.1	2.7	2.7	2.5	2.7
100°	5.1	4.7	4.7	4.1	3.5	3.1	2.9	2.5	2.5	2.3	2.5
102.5°	4.3	4.1	3.9	3.5	3.1	2.9	2.7	2.5	2.3	2.3	2.3
105°	3.5	3.3	3.3	2.9	2.7	2.7	2.5	2.3	2.2	2.2	2.2
107.5°	2.9	2.7	2.5	2.5	2.5	2.5	2.2	2.0	2.0	2.0	2.0



TEST NUMBER: P394859

CATALOG NUMBER: 303-W1-LEDB2-4000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	55°	58°	60°	65°	70°	75°	80°	85°	90°	95°	100°
110°	2.2	2.2	2.2	2.3	2.2	2.2	2.0	1.8	1.8	1.6	1.6
112.5°	1.8	1.8	2.0	2.0	2.0	2.0	1.8	1.6	1.6	1.4	1.4
115°	1.4	1.4	1.6	1.6	1.6	1.6	1.4	1.2	1.2	1.2	1.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P394859

CATALOG NUMBER: 303-W1-LEDB2-4000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5
2.5°	285.0	282.7	282.5	281.7	283.1	280.7	281.5	279.3	279.3	279.3	279.9
5°	283.6	281.1	280.7	279.5	280.7	278.0	278.6	276.2	275.6	275.4	275.8
7.5°	285.6	282.7	282.3	280.5	281.3	278.4	278.8	276.2	274.8	274.7	275.0
10°	288.3	285.2	284.4	282.3	282.9	279.5	279.5	276.4	274.8	273.9	274.1
12.5°	290.3	287.2	286.0	283.1	283.5	279.9	279.3	275.6	273.5	272.3	272.1
15°	292.3	288.5	287.4	283.8	284.0	280.1	279.0	274.7	271.7	269.8	269.4
17.5°	295.6	291.7	290.1	286.0	285.6	281.7	279.7	274.7	270.9	268.4	267.6
20°	299.7	295.8	294.0	289.3	288.5	283.8	281.3	275.4	270.9	267.8	266.4
22.5°	303.2	299.1	297.0	291.9	290.5	284.8	281.5	274.8	269.4	265.7	263.3
25°	305.6	301.6	299.1	293.2	291.5	285.4	280.9	273.7	267.0	262.3	259.2
27.5°	308.7	304.6	301.6	295.4	292.8	286.0	280.5	271.9	264.5	258.6	254.7
30°	312.6	307.9	305.2	297.5	294.4	286.6	279.9	270.7	261.9	255.5	250.4
32.5°	314.9	310.1	306.3	298.3	294.2	285.6	277.8	267.2	257.2	249.8	244.5
35°	315.1	310.3	305.8	297.0	292.1	282.1	273.3	261.7	251.0	242.8	236.7
37.5°	314.9	308.7	303.8	294.2	288.0	277.2	267.2	254.9	243.4	234.5	227.9
40°	313.8	307.3	301.3	290.3	282.9	271.5	260.4	247.5	234.7	224.0	215.4
42°	313.0	305.6	298.3	286.8	278.4	266.6	254.7	240.8	225.9	213.6	203.6
42.5°	312.2	305.0	297.1	285.8	277.4	265.1	253.1	238.7	223.4	210.7	200.1
45°	308.5	299.9	291.3	278.8	269.0	256.1	242.4	225.6	208.3	191.9	172.9
47.5°	302.6	292.8	282.7	269.4	258.4	244.3	228.1	208.9	184.1	151.8	129.1
50°	294.8	284.0	272.3	258.0	246.7	230.2	212.1	179.6	140.1	121.9	109.0
52.5°	285.0	273.1	260.2	245.5	231.4	213.4	182.7	141.4	118.0	104.7	92.9
55°	273.5	260.6	246.5	230.6	214.4	187.6	147.9	120.1	102.1	91.0	79.0
57.5°	258.8	245.5	230.4	213.6	191.7	152.8	128.5	105.4	88.2	76.7	59.7
60°	242.0	228.5	212.4	194.4	160.2	131.8	112.7	92.3	71.4	51.1	36.4
62.5°	223.0	209.5	193.3	169.0	138.9	116.0	98.2	73.6	49.7	38.1	26.6
65°	202.7	189.2	172.5	145.0	121.9	101.3	78.4	58.3	39.7	30.1	20.0
67.5°	180.4	167.6	151.2	126.4	106.0	86.5	65.5	48.9	33.1	25.0	17.4
70°	157.1	145.5	130.5	109.0	90.8	73.7	55.6	41.7	28.6	21.7	15.1
72.5°	133.0	123.0	110.5	91.6	76.3	61.8	46.8	35.0	24.1	18.4	12.9
75°	108.6	100.4	90.0	74.5	62.0	50.5	38.1	28.8	20.0	15.1	10.8
77.5°	84.7	78.1	70.2	58.1	48.3	38.9	29.9	22.9	15.8	11.9	8.6
80°	61.8	56.9	51.3	42.6	35.4	29.1	22.3	16.8	11.9	9.2	6.7
82.5°	40.5	37.4	33.6	28.2	23.7	19.8	15.1	11.9	8.4	6.5	4.9
85°	22.5	20.9	19.0	16.0	13.7	11.7	9.2	7.4	5.5	4.3	3.3
87.5°	9.4	8.8	8.2	7.4	6.5	5.9	4.7	3.9	3.1	2.5	2.0
90°	3.7	3.9	3.7	3.5	3.3	3.1	2.7	2.5	2.2	1.8	1.4
92.5°	3.3	3.3	3.3	3.3	3.1	2.9	2.5	2.3	2.0	1.6	1.2
95°	3.1	3.1	3.1	3.1	2.9	2.7	2.5	2.2	1.8	1.6	1.2
97.5°	2.7	2.9	2.9	2.9	2.7	2.5	2.2	1.8	1.4	1.0	0.8
100°	2.5	2.5	2.5	2.5	2.5	2.2	2.0	1.6	1.4	1.0	0.6
102.5°	2.3	2.3	2.3	2.3	2.2	2.0	1.6	1.4	1.0	0.6	0.6
105°	2.0	2.0	2.0	2.0	1.8	1.8	1.4	1.2	0.8	0.6	0.4
107.5°	1.8	1.8	1.6	1.8	1.6	1.4	1.2	0.8	0.6	0.4	0.4



TEST NUMBER: P394859

CATALOG NUMBER: 303-W1-LEDB2-4000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
110°	1.6	1.6	1.4	1.4	1.4	1.2	1.0	0.8	0.4	0.4	0.4
112.5°	1.4	1.4	1.2	1.0	1.0	1.0	0.8	0.6	0.4	0.4	0.4
115°	1.2	1.0	0.8	0.8	0.8	0.6	0.6	0.4	0.4	0.2	0.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P394859

CATALOG NUMBER: 303-W1-LEDB2-4000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	283.5	283.5	283.5	283.5	283.5
2.5°	278.8	279.5	279.7	279.7	281.3
5°	274.5	275.6	275.2	275.4	277.0
7.5°	273.1	274.3	273.5	273.9	275.4
10°	272.1	272.9	272.1	272.1	273.7
12.5°	270.0	270.5	269.0	269.0	270.9
15°	266.8	267.2	265.5	265.5	267.2
17.5°	264.7	264.9	262.5	262.5	264.3
20°	262.7	262.7	260.2	260.0	261.5
22.5°	259.4	259.0	255.9	255.3	256.8
25°	254.5	253.5	250.2	249.4	251.2
27.5°	249.4	248.0	244.1	243.4	244.9
30°	244.5	242.6	238.3	237.5	238.9
32.5°	238.1	235.5	230.6	229.9	231.0
35°	229.9	226.7	221.6	220.5	221.6
37.5°	219.5	214.4	208.3	206.6	207.6
40°	205.6	199.5	191.9	189.4	190.3
42°	191.7	182.7	171.8	166.7	167.5
42.5°	187.2	176.3	162.8	156.5	156.9
45°	143.6	125.6	117.2	112.9	113.3
47.5°	111.7	102.3	96.6	93.1	93.7
50°	93.9	85.1	80.0	77.1	77.5
52.5°	79.4	71.2	66.3	63.2	62.0
55°	65.3	54.8	47.3	41.1	37.4
57.5°	36.2	25.6	20.9	18.2	16.8
60°	21.9	14.9	10.8	8.2	7.0
62.5°	14.3	8.2	4.3	1.6	0.4
65°	10.2	5.3	2.5	0.8	0.0
67.5°	9.0	4.7	2.3	0.6	0.0
70°	8.0	4.3	2.0	0.6	0.0
72.5°	6.8	3.7	1.8	0.6	0.0
75°	6.1	3.1	1.6	0.6	0.2
77.5°	4.9	2.7	1.4	0.4	0.2
80°	3.9	2.2	1.2	0.4	0.2
82.5°	2.9	1.8	1.0	0.4	0.2
85°	2.2	1.4	0.8	0.4	0.2
87.5°	1.4	1.0	0.6	0.2	0.2
90°	1.2	0.8	0.4	0.2	0.2
92.5°	1.0	0.8	0.4	0.2	0.2
95°	0.8	0.6	0.2	0.2	0.0
97.5°	0.6	0.4	0.2	0.2	0.2
100°	0.4	0.4	0.2	0.2	0.2
102.5°	0.4	0.2	0.2	0.2	0.2
105°	0.4	0.2	0.2	0.2	0.2
107.5°	0.2	0.2	0.2	0.2	0.2



TEST NUMBER: P394859

CATALOG NUMBER: 303-W1-LEDB2-4000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
110°	0.4	0.2	0.2	0.2	0.2
112.5°	0.4	0.4	0.2	0.2	0.2
115°	0.2	0.2	0.2	0.2	0.2
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)