

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: P394855

Luminaire Tested: **303-A1-LEDB2-3500-UNV-T2-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394855
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-A1-LEDB2-3500-UNV-T2-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, TWO LIGHTBARS, TYPE 2 WITH EDGE GLOW
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

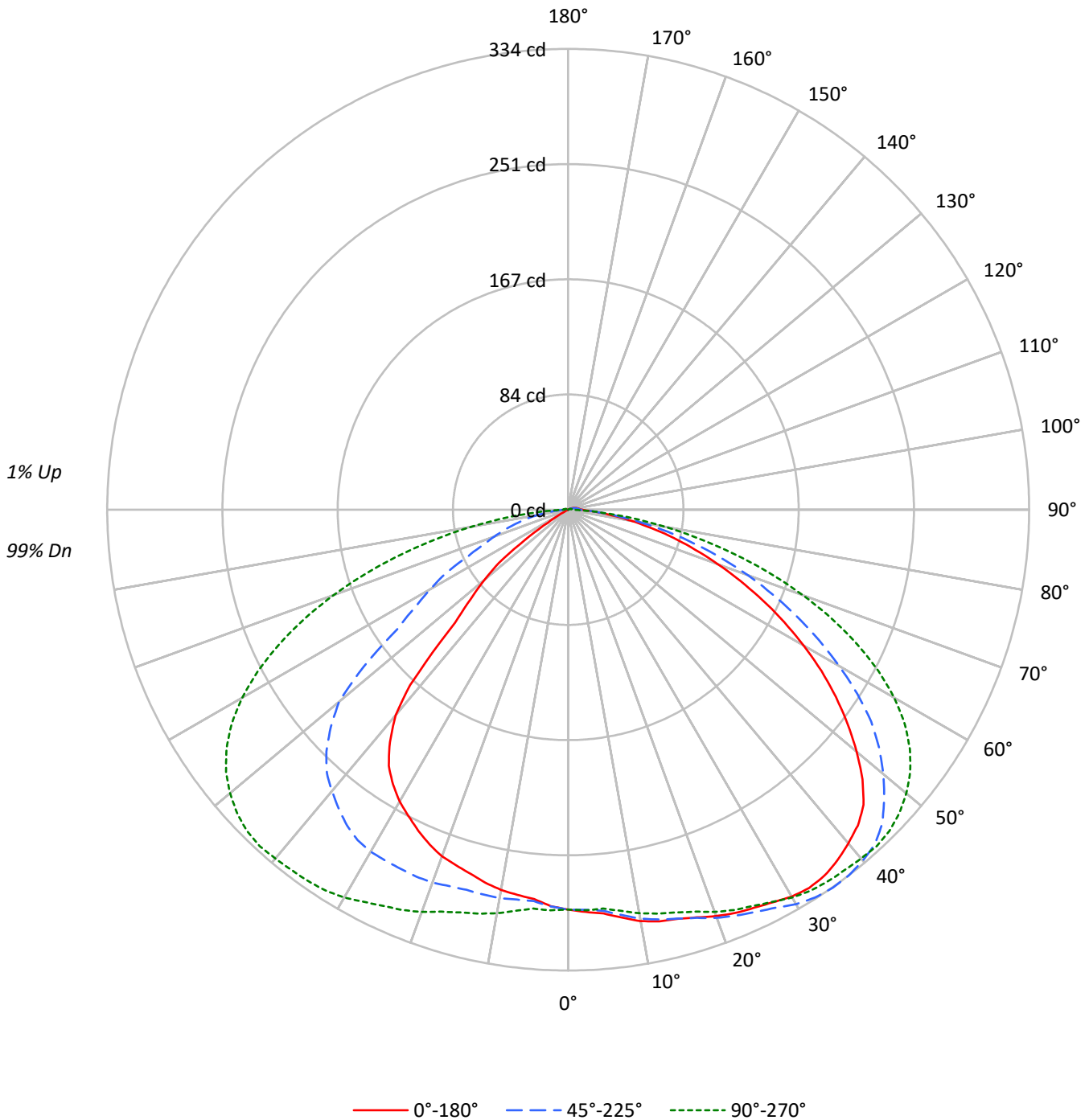
Lumens per Lamp: N/A
Luminaire Lumens: 1102.3 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 1.71 / 1.67
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')
CIE Type: Direct

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



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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	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°	19964	19964	19964
5°	20275	20022	19543
10°	21092	20679	19490
15°	21755	21400	19360
20°	22777	22523	19434
25°	23934	23785	19304
30°	25405	25430	19160
35°	26781	27128	18742
40°	27839	29027	17155
45°	28790	31239	11017
50°	28424	33219	8252
55°	27499	34965	4436
60°	26086	35927	952
65°	24122	35649	0
70°	21806	33931	0
75°	19250	30308	49
80°	16203	24674	70
85°	13150	15023	124



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.8	2.5
10°-20°	84.1	7.6
20°-30°	140.4	12.7
30°-40°	190.3	17.3
40°-50°	213.2	19.3
50°-60°	194.0	17.6
60°-70°	143.1	13.0
70°-80°	79.8	7.2
80°-90°	21.4	1.9
90°-100°	4.6	0.4
100°-110°	2.8	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°	252.3	22.9
0°-40°	442.7	40.2
0°-60°	849.8	77.1
0°-90°	1094.1	99.3
90°-120°	8.2	0.7
90°-150°	8.2	0.7
90°-180°	8.0	0.7
0°-180°	1102.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	290	290	290	290	290	
5°	294	292	290	285	283	28
15°	307	307	302	285	273	87
25°	318	322	317	287	257	148
35°	324	334	329	279	227	202
45°	303	322	329	248	116	231
55°	237	268	302	151	38	211
65°	156	183	231	80	0	154
75°	79	94	125	39	0	84
85°	21	23	25	9	0	23
90°	10	8	3	3	0	6
95°	8	7	3	3	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	289.8	289.8	289.8	289.8	289.8	289.8	289.8	289.8	289.8	289.8	289.8
2.5°	291.8	291.4	293.8	294.0	292.8	291.6	290.4	292.4	292.6	290.2	293.6
5°	293.8	293.2	295.6	295.8	294.6	293.2	292.2	294.2	294.2	291.8	294.8
7.5°	298.2	297.4	300.2	300.2	299.2	298.4	296.6	298.8	298.6	296.2	299.2
10°	302.8	302.4	305.2	305.0	304.2	303.2	301.6	303.8	303.2	301.0	303.6
12.5°	305.6	305.4	308.2	308.0	307.4	306.6	304.8	307.2	306.4	304.2	307.0
15°	307.0	307.0	310.0	310.0	309.2	308.6	307.0	309.4	308.8	306.8	309.2
17.5°	309.8	309.8	313.0	312.6	312.2	311.8	310.2	312.8	312.0	310.2	312.4
20°	313.4	313.6	317.0	316.6	316.4	316.2	314.4	317.0	316.4	314.8	316.6
22.5°	316.4	316.4	319.8	319.4	319.2	319.2	317.6	320.4	319.8	318.4	320.2
25°	318.4	318.6	321.8	321.6	321.2	321.6	320.2	323.6	322.8	321.6	323.2
27.5°	320.8	321.0	324.4	324.2	324.4	325.0	323.6	326.8	326.2	325.2	326.2
30°	323.8	324.2	327.8	327.4	328.0	328.8	327.8	331.0	330.6	330.2	330.8
32.5°	325.0	325.6	329.4	329.2	330.0	331.2	330.2	334.0	333.2	333.2	334.2
35°	323.8	324.4	328.0	328.0	329.2	330.8	330.2	334.0	333.8	334.4	335.4
37.5°	320.4	321.2	324.6	324.8	326.2	328.4	328.2	332.4	332.6	334.0	335.0
40°	315.8	316.6	320.0	320.4	322.2	324.4	324.4	328.8	329.4	332.0	334.0
42°	311.4	312.4	315.4	315.8	317.8	320.0	320.4	325.2	326.0	329.6	332.2
42.5°	310.6	311.4	314.2	314.4	316.4	318.8	319.2	324.0	324.8	328.8	331.4
45°	302.6	302.8	306.0	306.4	308.6	310.2	310.8	315.2	316.6	321.8	325.0
47.5°	289.2	289.6	292.2	293.6	296.8	299.2	300.0	304.0	305.2	310.6	315.0
50°	272.8	273.4	276.0	277.6	280.8	283.8	286.4	291.4	292.2	298.0	302.2
52.5°	255.2	256.0	258.0	259.6	263.2	266.4	269.4	275.4	278.0	284.0	287.4
55°	236.8	237.6	239.0	240.4	243.8	247.2	250.8	257.0	260.2	268.0	271.4
57.5°	217.6	217.4	220.8	220.8	224.0	227.2	230.8	236.8	240.0	248.4	253.8
60°	197.2	197.8	199.8	200.0	203.6	207.0	210.6	215.8	218.6	226.8	232.8
62.5°	176.4	177.0	176.6	178.8	182.2	185.8	189.8	194.8	197.0	204.8	210.6
65°	155.6	156.2	156.6	157.6	161.0	164.4	168.2	172.8	176.2	182.6	187.8
67.5°	135.2	135.6	134.8	137.0	140.0	143.2	146.8	151.0	153.8	160.0	164.6
70°	115.4	115.8	116.0	117.0	119.4	122.4	125.8	128.4	132.0	138.4	141.4
72.5°	96.6	97.0	96.2	97.6	100.0	101.6	105.4	107.6	110.2	116.0	118.6
75°	78.8	79.0	79.2	79.6	82.2	82.6	85.8	87.4	89.6	94.2	96.4
77.5°	62.0	62.0	62.2	62.6	63.8	64.8	67.2	68.2	70.2	73.6	74.2
80°	46.4	46.6	46.6	46.8	48.0	48.2	50.2	50.6	52.0	53.6	55.4
82.5°	32.6	32.8	32.8	32.8	33.6	33.6	34.8	34.8	35.6	36.4	36.6
85°	21.2	21.2	21.4	21.2	21.4	21.4	22.2	21.8	22.0	22.6	22.0
87.5°	13.0	13.2	13.2	13.0	13.2	12.8	13.2	12.6	12.6	12.6	11.6
90°	9.6	9.8	9.6	9.8	9.8	9.6	9.4	9.0	8.8	8.4	8.0
92.5°	8.6	8.6	8.8	8.8	8.8	8.6	8.6	8.4	8.0	7.8	7.2
95°	7.8	7.8	7.8	7.8	8.0	7.8	7.8	7.6	7.4	7.2	6.6
97.5°	7.2	7.2	7.0	7.0	7.2	7.2	7.2	7.0	6.8	6.6	6.2
100°	6.6	6.6	6.4	6.4	6.4	6.4	6.4	6.2	6.0	5.8	5.6
102.5°	5.8	5.8	5.8	5.6	5.6	5.6	5.6	5.4	5.2	5.2	4.8
105°	5.0	5.2	5.0	5.0	4.8	4.8	4.8	4.6	4.4	4.2	4.0
107.5°	4.4	4.4	4.2	4.2	4.2	4.0	3.8	3.6	3.6	3.4	3.2



TEST NUMBER: P394855

CATALOG NUMBER: 303-A1-LEDB2-3500-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
110°	3.6	3.6	3.6	3.4	3.4	3.2	3.0	2.8	2.6	2.6	2.4
112.5°	2.8	2.8	2.8	2.6	2.6	2.4	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



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CANDELA DISTRIBUTION (continued):

	55°	58°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	289.8	289.8	289.8	289.8	289.8	289.8	289.8	289.8	289.8	289.8	289.8
2.5°	291.0	293.4	290.2	291.6	291.8	290.0	290.4	290.4	290.6	292.4	290.0
5°	292.4	294.6	291.4	292.6	292.6	290.4	290.6	290.4	290.2	292.0	289.0
7.5°	296.4	298.6	295.4	296.2	295.8	293.6	294.0	293.6	293.2	294.6	291.4
10°	300.8	303.2	300.0	300.6	300.2	297.6	298.0	297.6	297.0	298.0	294.6
12.5°	304.0	306.4	303.4	304.0	303.4	300.8	301.0	300.8	299.8	300.6	297.0
15°	306.6	308.8	306.2	306.4	305.6	303.2	303.4	303.4	302.2	302.6	299.2
17.5°	310.0	312.4	309.8	309.6	309.4	306.8	307.0	307.0	305.4	306.2	302.6
20°	314.6	317.2	314.6	314.2	314.0	311.6	311.4	311.8	310.2	310.8	307.2
22.5°	318.4	320.6	318.8	318.0	317.4	315.2	315.2	315.6	314.0	314.2	310.8
25°	321.4	323.8	321.8	320.8	320.4	318.2	318.4	319.0	316.8	317.0	314.0
27.5°	325.0	327.0	325.6	324.4	323.6	321.6	321.6	322.4	320.4	320.2	317.2
30°	329.8	331.6	330.6	328.6	327.8	325.8	326.2	327.0	324.6	324.2	321.4
32.5°	333.4	335.4	334.4	332.6	331.6	329.6	329.4	330.0	327.2	326.8	324.2
35°	335.2	337.6	337.0	334.8	334.0	331.8	331.2	331.8	328.6	327.8	325.2
37.5°	336.2	339.0	338.8	337.0	336.2	333.8	333.0	333.2	329.2	328.0	325.2
40°	336.6	339.2	339.8	338.2	338.0	336.0	334.8	334.8	330.0	328.0	324.8
42°	335.8	339.0	340.2	339.2	339.6	337.8	336.2	335.8	330.6	328.4	324.6
42.5°	335.4	338.4	340.0	339.2	339.8	338.2	336.4	336.0	330.8	328.2	324.4
45°	330.6	334.6	337.0	337.6	338.4	337.4	335.6	335.0	329.2	325.8	321.8
47.5°	322.0	326.4	329.8	332.0	333.8	334.0	332.4	332.0	325.4	321.2	316.4
50°	310.6	315.6	320.0	323.4	326.8	328.6	327.2	326.8	319.8	315.0	309.4
52.5°	296.8	302.2	306.6	312.4	317.6	320.6	320.2	319.6	312.4	306.8	300.6
55°	280.4	286.0	291.8	298.4	305.0	309.8	310.0	309.8	302.2	296.0	289.6
57.5°	262.4	267.4	273.8	281.2	290.0	296.0	296.8	296.6	289.2	282.4	274.6
60°	242.6	247.0	253.4	261.4	271.0	278.2	280.0	280.4	272.8	266.0	258.8
62.5°	221.0	225.6	231.6	239.4	249.4	257.6	260.0	261.0	253.4	246.6	238.8
65°	197.8	202.4	208.8	216.0	226.0	234.6	237.2	238.2	231.2	225.0	218.2
67.5°	173.6	178.0	184.2	191.2	200.8	209.2	212.0	213.4	207.0	201.0	194.8
70°	149.4	153.0	158.8	165.4	174.4	181.0	185.0	186.4	180.8	175.4	170.0
72.5°	125.4	128.2	133.6	139.2	147.0	153.0	156.8	158.2	153.2	148.8	144.6
75°	101.6	104.2	108.6	113.4	119.8	126.2	128.2	129.6	125.2	121.6	118.4
77.5°	79.0	80.6	84.4	88.2	93.2	96.8	99.6	101.0	97.4	94.6	92.2
80°	57.8	58.6	61.6	64.0	67.8	70.0	72.2	73.0	71.6	68.6	67.2
82.5°	38.8	39.0	41.0	42.2	44.2	46.6	47.0	47.4	46.2	44.4	44.0
85°	23.0	22.6	24.0	24.0	24.4	25.8	25.6	25.6	24.8	24.4	24.2
87.5°	11.8	11.2	11.6	11.2	10.8	10.8	10.2	10.0	9.6	9.6	9.8
90°	7.4	7.0	7.0	6.4	5.6	5.0	4.4	3.8	3.4	3.4	3.6
92.5°	6.8	6.4	6.4	5.8	5.2	4.6	4.0	3.4	3.0	3.0	3.2
95°	6.4	6.0	6.0	5.4	4.8	4.2	3.4	3.0	2.8	2.8	3.0
97.5°	5.8	5.6	5.4	4.8	4.2	3.6	3.2	2.8	2.8	2.6	2.8
100°	5.2	4.8	4.8	4.2	3.6	3.2	3.0	2.6	2.6	2.4	2.6
102.5°	4.4	4.2	4.0	3.6	3.2	3.0	2.8	2.6	2.4	2.4	2.4
105°	3.6	3.4	3.4	3.0	2.8	2.8	2.6	2.4	2.2	2.2	2.2
107.5°	3.0	2.8	2.6	2.6	2.6	2.6	2.2	2.0	2.0	2.0	2.0



TEST NUMBER: P394855

CATALOG NUMBER: 303-A1-LEDB2-3500-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	2.4	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: P394855

CATALOG NUMBER: 303-A1-LEDB2-3500-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	289.8	289.8	289.8	289.8	289.8	289.8	289.8	289.8	289.8	289.8	289.8
2.5°	291.4	289.0	288.8	288.0	289.4	287.0	287.8	285.6	285.6	285.6	286.2
5°	290.0	287.4	287.0	285.8	287.0	284.2	284.8	282.4	281.8	281.6	282.0
7.5°	292.0	289.0	288.6	286.8	287.6	284.6	285.0	282.4	281.0	280.8	281.2
10°	294.8	291.6	290.8	288.6	289.2	285.8	285.8	282.6	281.0	280.0	280.2
12.5°	296.8	293.6	292.4	289.4	289.8	286.2	285.6	281.8	279.6	278.4	278.2
15°	298.8	295.0	293.8	290.2	290.4	286.4	285.2	280.8	277.8	275.8	275.4
17.5°	302.2	298.2	296.6	292.4	292.0	288.0	286.0	280.8	277.0	274.4	273.6
20°	306.4	302.4	300.6	295.8	295.0	290.2	287.6	281.6	277.0	273.8	272.4
22.5°	310.0	305.8	303.6	298.4	297.0	291.2	287.8	281.0	275.4	271.6	269.2
25°	312.4	308.4	305.8	299.8	298.0	291.8	287.2	279.8	273.0	268.2	265.0
27.5°	315.6	311.4	308.4	302.0	299.4	292.4	286.8	278.0	270.4	264.4	260.4
30°	319.6	314.8	312.0	304.2	301.0	293.0	286.2	276.8	267.8	261.2	256.0
32.5°	322.0	317.0	313.2	305.0	300.8	292.0	284.0	273.2	263.0	255.4	250.0
35°	322.2	317.2	312.6	303.6	298.6	288.4	279.4	267.6	256.6	248.2	242.0
37.5°	322.0	315.6	310.6	300.8	294.4	283.4	273.2	260.6	248.8	239.8	233.0
40°	320.8	314.2	308.0	296.8	289.2	277.6	266.2	253.0	240.0	229.0	220.2
42°	320.0	312.4	305.0	293.2	284.6	272.6	260.4	246.2	231.0	218.4	208.2
42.5°	319.2	311.8	303.8	292.2	283.6	271.0	258.8	244.0	228.4	215.4	204.6
45°	315.4	306.6	297.8	285.0	275.0	261.8	247.8	230.6	213.0	196.2	176.8
47.5°	309.4	299.4	289.0	275.4	264.2	249.8	233.2	213.6	188.2	155.2	132.0
50°	301.4	290.4	278.4	263.8	252.2	235.4	216.8	183.6	143.2	124.6	111.4
52.5°	291.4	279.2	266.0	251.0	236.6	218.2	186.8	144.6	120.6	107.0	95.0
55°	279.6	266.4	252.0	235.8	219.2	191.8	151.2	122.8	104.4	93.0	80.8
57.5°	264.6	251.0	235.6	218.4	196.0	156.2	131.4	107.8	90.2	78.4	61.0
60°	247.4	233.6	217.2	198.8	163.8	134.8	115.2	94.4	73.0	52.2	37.2
62.5°	228.0	214.2	197.6	172.8	142.0	118.6	100.4	75.2	50.8	39.0	27.2
65°	207.2	193.4	176.4	148.2	124.6	103.6	80.2	59.6	40.6	30.8	20.4
67.5°	184.4	171.4	154.6	129.2	108.4	88.4	67.0	50.0	33.8	25.6	17.8
70°	160.6	148.8	133.4	111.4	92.8	75.4	56.8	42.6	29.2	22.2	15.4
72.5°	136.0	125.8	113.0	93.6	78.0	63.2	47.8	35.8	24.6	18.8	13.2
75°	111.0	102.6	92.0	76.2	63.4	51.6	39.0	29.4	20.4	15.4	11.0
77.5°	86.6	79.8	71.8	59.4	49.4	39.8	30.6	23.4	16.2	12.2	8.8
80°	63.2	58.2	52.4	43.6	36.2	29.8	22.8	17.2	12.2	9.4	6.8
82.5°	41.4	38.2	34.4	28.8	24.2	20.2	15.4	12.2	8.6	6.6	5.0
85°	23.0	21.4	19.4	16.4	14.0	12.0	9.4	7.6	5.6	4.4	3.4
87.5°	9.6	9.0	8.4	7.6	6.6	6.0	4.8	4.0	3.2	2.6	2.0
90°	3.8	4.0	3.8	3.6	3.4	3.2	2.8	2.6	2.2	1.8	1.4
92.5°	3.4	3.4	3.4	3.4	3.2	3.0	2.6	2.4	2.0	1.6	1.2
95°	3.2	3.2	3.2	3.2	3.0	2.8	2.6	2.2	1.8	1.6	1.2
97.5°	2.8	3.0	3.0	3.0	2.8	2.6	2.2	1.8	1.4	1.0	0.8
100°	2.6	2.6	2.6	2.6	2.6	2.2	2.0	1.6	1.4	1.0	0.6
102.5°	2.4	2.4	2.4	2.4	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: P394855

CATALOG NUMBER: 303-A1-LEDB2-3500-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: P394855

CATALOG NUMBER: 303-A1-LEDB2-3500-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	289.8	289.8	289.8	289.8	289.8
2.5°	285.0	285.8	286.0	286.0	287.6
5°	280.6	281.8	281.4	281.6	283.2
7.5°	279.2	280.4	279.6	280.0	281.6
10°	278.2	279.0	278.2	278.2	279.8
12.5°	276.0	276.6	275.0	275.0	277.0
15°	272.8	273.2	271.4	271.4	273.2
17.5°	270.6	270.8	268.4	268.4	270.2
20°	268.6	268.6	266.0	265.8	267.4
22.5°	265.2	264.8	261.6	261.0	262.6
25°	260.2	259.2	255.8	255.0	256.8
27.5°	255.0	253.6	249.6	248.8	250.4
30°	250.0	248.0	243.6	242.8	244.2
32.5°	243.4	240.8	235.8	235.0	236.2
35°	235.0	231.8	226.6	225.4	226.6
37.5°	224.4	219.2	213.0	211.2	212.2
40°	210.2	204.0	196.2	193.6	194.6
42°	196.0	186.8	175.6	170.4	171.2
42.5°	191.4	180.2	166.4	160.0	160.4
45°	146.8	128.4	119.8	115.4	115.8
47.5°	114.2	104.6	98.8	95.2	95.8
50°	96.0	87.0	81.8	78.8	79.2
52.5°	81.2	72.8	67.8	64.6	63.4
55°	66.8	56.0	48.4	42.0	38.2
57.5°	37.0	26.2	21.4	18.6	17.2
60°	22.4	15.2	11.0	8.4	7.2
62.5°	14.6	8.4	4.4	1.6	0.4
65°	10.4	5.4	2.6	0.8	0.0
67.5°	9.2	4.8	2.4	0.6	0.0
70°	8.2	4.4	2.0	0.6	0.0
72.5°	7.0	3.8	1.8	0.6	0.0
75°	6.2	3.2	1.6	0.6	0.2
77.5°	5.0	2.8	1.4	0.4	0.2
80°	4.0	2.2	1.2	0.4	0.2
82.5°	3.0	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: P394855

CATALOG NUMBER: 303-A1-LEDB2-3500-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)