

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: P394966

Luminaire Tested: **303-A1-LEDB2-3000-UNV-T5X-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394966
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-12)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-A1-LEDB2-3000-UNV-T5X-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, TWO LIGHTBARS, TYPE 5 WITH EDGE GLOW
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

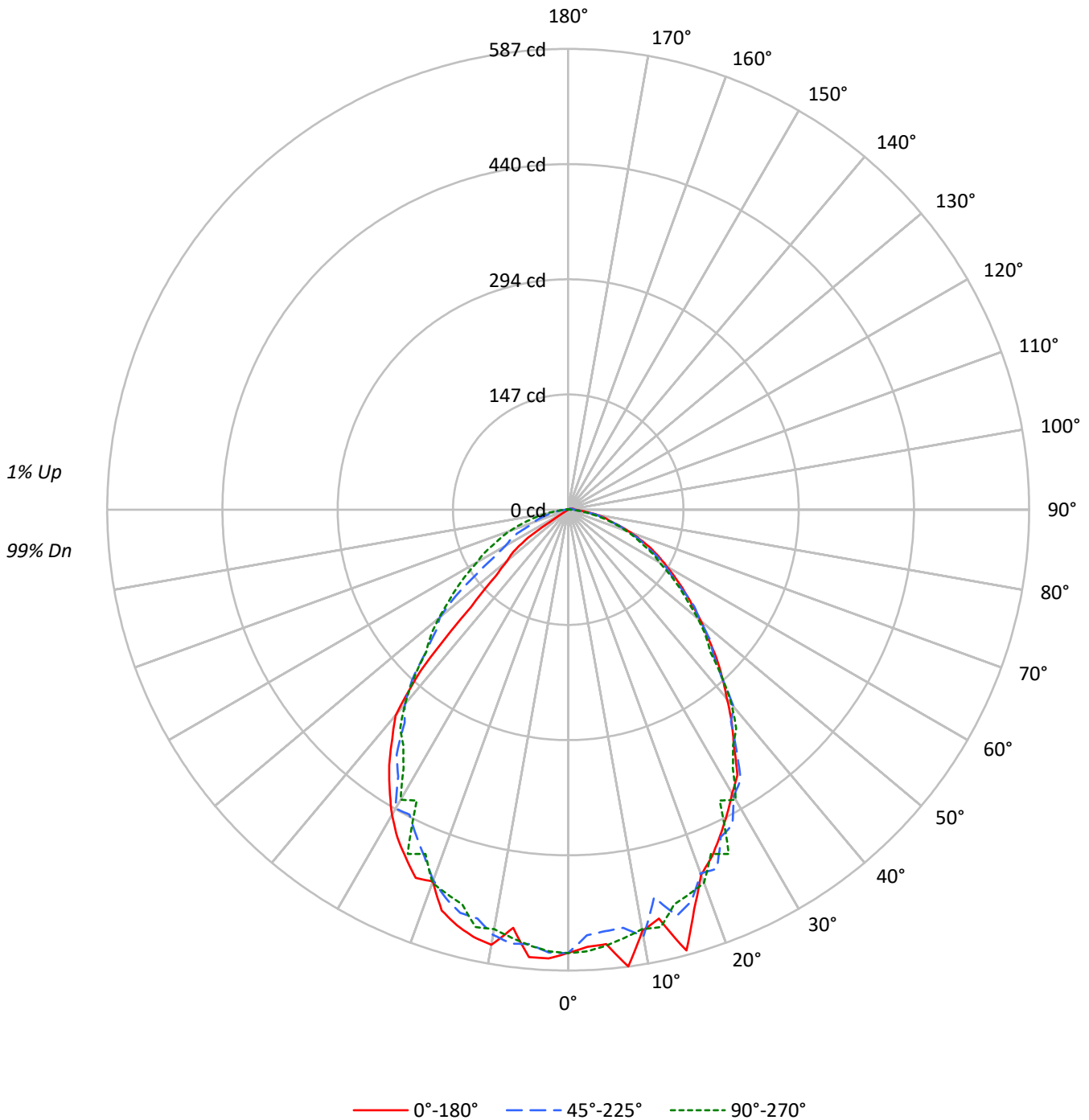
Lumens per Lamp: N/A
Luminaire Lumens: 1134.9 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.11 / 1.21
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')
CIE Type: Direct

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	110	106	102	99	107	104	100	97	99	97	94	95	93	91	92	90	88	86								
2	102	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	75								
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	70	67	65								
4	87	76	68	62	84	75	67	62	72	66	61	70	64	60	68	63	59	57								
5	80	69	61	55	78	68	60	54	65	59	54	64	58	53	62	57	52	50								
6	75	63	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45								
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	40								
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37								
9	61	49	41	36	60	48	41	36	47	40	35	46	40	35	45	39	35	33								
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	38902	38902	38902
5°	38334	38449	39480
10°	37929	37779	39211
15°	41194	36866	38841
20°	35960	36724	36629
25°	34428	36323	36781
30°	32757	33428	35213
35°	30429	30216	32860
40°	27725	28473	30158
45°	25374	24265	16621
50°	22996	22353	10544
55°	20938	20005	7258
60°	19220	17687	0
65°	17968	16159	0
70°	15986	14845	0
75°	13485	12467	0
80°	12850	9511	0
85°	10296	6664	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.1	4.7
10°-20°	148.8	13.1
20°-30°	214.8	18.9
30°-40°	234.1	20.6
40°-50°	196.3	17.3
50°-60°	136.6	12.0
60°-70°	85.3	7.5
70°-80°	45.2	4.0
80°-90°	13.4	1.2
90°-100°	3.7	0.3
100°-110°	2.5	0.2
110°-120°	1.0	0.1
120°-130°	0.1	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°	416.8	36.7
0°-40°	650.9	57.3
0°-60°	983.8	86.7
0°-90°	1127.7	99.4
90°-120°	7.2	0.6
90°-150°	7.2	0.6
90°-180°	7.0	0.6
0°-180°	1134.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	565	565	565	565	565	
5°	556	539	557	556	572	54
15°	581	535	521	532	548	153
25°	458	460	484	458	489	211
35°	368	373	366	381	397	231
45°	267	261	256	256	175	205
55°	180	177	173	142	62	162
65°	116	108	105	72	0	114
75°	55	53	52	31	0	61
85°	17	15	11	7	0	18
90°	9	7	2	2	0	5
95°	7	6	2	2	0	6
105°	6	4	2	2	0	5
115°	2	2	2	0	0	3
125°	0	0	0	0	0	1
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: P394966

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7
2.5°	557.3	557.3	535.3	566.5	553.7	542.6	586.8	557.3	564.7	557.3	562.9
5°	555.5	553.7	562.9	564.7	551.8	538.9	546.3	566.5	562.9	566.5	557.3
7.5°	586.8	551.8	557.3	559.2	544.5	537.1	542.6	538.9	557.3	550.0	550.0
10°	544.5	526.1	540.8	551.8	550.0	551.8	572.1	542.6	551.8	540.8	542.6
12.5°	533.4	516.9	542.6	540.8	526.1	505.8	544.5	533.4	524.2	538.9	544.5
15°	581.3	527.9	533.4	538.9	515.0	535.3	533.4	509.5	551.8	518.7	520.6
17.5°	533.4	515.0	518.7	516.9	505.8	522.4	533.4	511.4	520.6	502.2	513.2
20°	494.8	498.5	504.0	500.3	485.6	493.0	504.0	505.8	504.0	483.8	505.8
22.5°	478.2	483.8	478.2	493.0	470.9	494.8	487.4	487.4	487.4	480.1	474.6
25°	458.0	465.4	459.9	463.5	448.8	459.9	467.2	459.9	469.1	454.3	483.8
27.5°	437.8	428.6	435.9	443.3	439.6	452.5	445.1	426.7	452.5	443.3	417.5
30°	417.5	410.2	426.7	432.3	417.5	421.2	426.7	419.4	430.4	412.0	426.7
32.5°	401.0	388.1	402.8	406.5	393.6	408.4	399.2	397.3	406.5	377.1	390.0
35°	367.9	377.1	380.8	371.6	369.7	373.4	382.6	356.8	382.6	362.4	366.0
37.5°	342.1	353.2	351.3	345.8	344.0	340.3	344.0	318.2	349.5	334.8	351.3
40°	314.5	303.5	323.7	296.1	303.5	327.4	325.6	307.2	327.4	321.9	323.7
42.5°	290.6	288.8	303.5	277.8	275.9	288.8	283.3	283.3	298.0	279.6	290.6
45°	266.7	264.9	274.1	253.8	252.0	261.2	266.7	257.5	261.2	253.8	255.7
47.5°	241.0	250.2	248.3	241.0	220.7	244.6	222.6	222.6	235.4	235.4	237.3
50°	220.7	229.9	220.7	220.7	211.5	218.9	209.7	198.7	213.4	217.1	215.2
52.5°	198.7	198.7	204.2	198.7	191.3	202.3	180.3	182.1	193.1	193.1	191.3
55°	180.3	187.6	185.8	180.3	178.4	176.6	167.4	171.1	169.2	174.7	172.9
57.5°	161.9	163.7	169.2	172.9	161.9	156.4	150.8	149.0	154.5	154.5	152.7
60°	145.3	150.8	150.8	149.0	138.0	141.6	130.6	136.1	132.4	134.3	134.3
62.5°	130.6	134.3	141.6	130.6	128.8	126.9	117.7	121.4	117.7	123.2	121.4
65°	115.9	119.6	121.4	117.7	114.0	108.5	106.7	103.0	106.7	106.7	104.8
67.5°	99.3	103.0	101.2	99.3	95.6	97.5	93.8	92.0	88.3	88.3	92.0
70°	84.6	88.3	86.5	86.5	82.8	80.9	77.3	75.4	73.6	77.3	79.1
72.5°	68.1	75.4	71.7	71.7	69.9	68.1	66.2	62.5	62.5	64.4	64.4
75°	55.2	62.5	62.5	58.9	58.9	53.3	53.3	53.3	51.5	51.5	51.5
77.5°	47.8	47.8	47.8	46.0	44.1	44.1	40.5	42.3	38.6	38.6	38.6
80°	36.8	36.8	36.8	34.9	33.1	34.9	31.3	31.3	29.4	29.4	27.6
82.5°	25.8	27.6	25.8	25.8	23.9	23.9	22.1	22.1	20.2	20.2	18.4
85°	16.6	18.4	18.4	18.4	16.6	14.7	14.7	12.9	11.0	11.0	11.0
87.5°	12.9	12.9	11.0	11.0	11.0	9.2	9.2	7.4	5.5	5.5	5.5
90°	9.2	11.0	9.2	9.2	7.4	7.4	5.5	5.5	3.7	1.8	1.8
92.5°	7.4	9.2	9.2	7.4	7.4	7.4	5.5	3.7	3.7	1.8	1.8
95°	7.4	7.4	7.4	7.4	7.4	5.5	5.5	3.7	1.8	1.8	1.8
97.5°	7.4	7.4	7.4	7.4	5.5	5.5	5.5	3.7	1.8	1.8	1.8
100°	5.5	5.5	5.5	5.5	5.5	5.5	3.7	3.7	1.8	1.8	1.8
102.5°	5.5	5.5	5.5	5.5	5.5	3.7	3.7	3.7	1.8	1.8	1.8
105°	5.5	5.5	5.5	3.7	3.7	3.7	3.7	3.7	1.8	1.8	1.8
107.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	1.8	1.8	1.8	1.8
110°	3.7	3.7	3.7	3.7	3.7	3.7	1.8	1.8	1.8	1.8	1.8



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CATALOG NUMBER: 303-A1-LEDB2-3000-UNV-T5X-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	3.7	3.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
115°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	1.8
117.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
120°	1.8	1.8	1.8	1.8	0.0	0.0	1.8	1.8	1.8	0.0	0.0
122.5°	1.8	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7
2.5°	553.7	555.5	551.8	588.6	564.7	561.0	568.4	568.4	570.2	572.1
5°	550.0	553.7	570.2	572.1	555.5	584.9	566.5	577.6	568.4	572.1
7.5°	544.5	550.0	540.8	579.4	557.3	572.1	562.9	572.1	562.9	537.1
10°	535.3	531.6	533.4	584.9	550.0	546.3	559.2	555.5	573.9	562.9
12.5°	518.7	537.1	535.3	562.9	533.4	551.8	533.4	527.9	564.7	557.3
15°	502.2	526.1	526.1	542.6	531.6	518.7	526.1	540.8	537.1	548.1
17.5°	502.2	500.3	498.5	527.9	518.7	504.0	529.8	526.1	538.9	535.3
20°	496.6	483.8	483.8	513.2	502.2	500.3	551.8	509.5	524.2	504.0
22.5°	467.2	485.6	496.6	511.4	478.2	474.6	500.3	496.6	504.0	507.7
25°	465.4	419.4	467.2	476.4	458.0	469.1	500.3	480.1	472.7	489.3
27.5°	447.0	448.8	448.8	467.2	437.8	450.7	480.1	450.7	461.7	470.9
30°	426.7	428.6	410.2	454.3	439.6	428.6	439.6	439.6	432.3	448.8
32.5°	402.8	406.5	388.1	410.2	402.8	401.0	415.7	421.2	412.0	423.1
35°	366.0	351.3	378.9	393.6	380.8	362.4	393.6	391.8	397.3	397.3
37.5°	312.7	342.1	340.3	367.9	342.1	344.0	362.4	364.2	367.9	367.9
40°	310.9	301.7	327.4	334.8	323.7	327.4	340.3	331.1	318.2	342.1
42.5°	281.4	283.3	283.3	305.3	294.3	296.1	296.1	277.8	283.3	277.8
45°	266.7	259.4	266.7	274.1	255.7	257.5	257.5	209.7	182.1	174.7
47.5°	231.8	233.6	239.1	241.0	228.1	224.4	193.1	132.4	114.0	125.1
50°	218.9	220.7	215.2	226.2	213.4	189.5	132.4	104.8	97.5	101.2
52.5°	195.0	185.8	195.0	195.0	180.3	126.9	114.0	82.8	79.1	88.3
55°	169.2	178.4	176.6	174.7	141.6	97.5	101.2	71.7	62.5	62.5
57.5°	156.4	156.4	156.4	154.5	110.4	88.3	80.9	31.3	9.2	7.4
60°	139.8	130.6	139.8	130.6	92.0	77.3	44.1	3.7	0.0	0.0
62.5°	123.2	121.4	123.2	106.7	82.8	49.7	29.4	1.8	0.0	0.0
65°	106.7	106.7	108.5	92.0	71.7	33.1	23.9	0.0	0.0	0.0
67.5°	92.0	90.1	93.8	79.1	53.3	31.3	20.2	0.0	0.0	0.0
70°	77.3	79.1	79.1	64.4	47.8	25.8	16.6	1.8	0.0	0.0
72.5°	64.4	66.2	64.4	55.2	38.6	22.1	14.7	1.8	0.0	0.0
75°	51.5	53.3	51.5	44.1	31.3	16.6	11.0	1.8	0.0	0.0
77.5°	40.5	40.5	40.5	34.9	23.9	14.7	9.2	1.8	0.0	0.0
80°	29.4	31.3	29.4	25.8	18.4	11.0	7.4	0.0	0.0	0.0
82.5°	20.2	20.2	20.2	16.6	12.9	7.4	5.5	0.0	0.0	0.0
85°	11.0	12.9	12.9	11.0	7.4	3.7	3.7	0.0	0.0	0.0
87.5°	5.5	5.5	5.5	5.5	3.7	3.7	1.8	0.0	0.0	0.0
90°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
92.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
95°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
97.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
100°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
102.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
105°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
107.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
110°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P394966
 CATALOG NUMBER: 303-A1-LEDB2-3000-UNV-T5X-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	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
122.5°	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
127.5°	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
132.5°	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
137.5°	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
142.5°	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
147.5°	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
152.5°	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
157.5°	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
162.5°	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
167.5°	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
172.5°	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
177.5°	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

(END OF REPORT)