

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: P394977

Luminaire Tested: **303-A1-LEDB2-4000-UNV-T5X-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394977
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-LEDB2-4000-UNV-T5X-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, TWO LIGHTBARS, TYPE 5 WITH EDGE GLOW
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

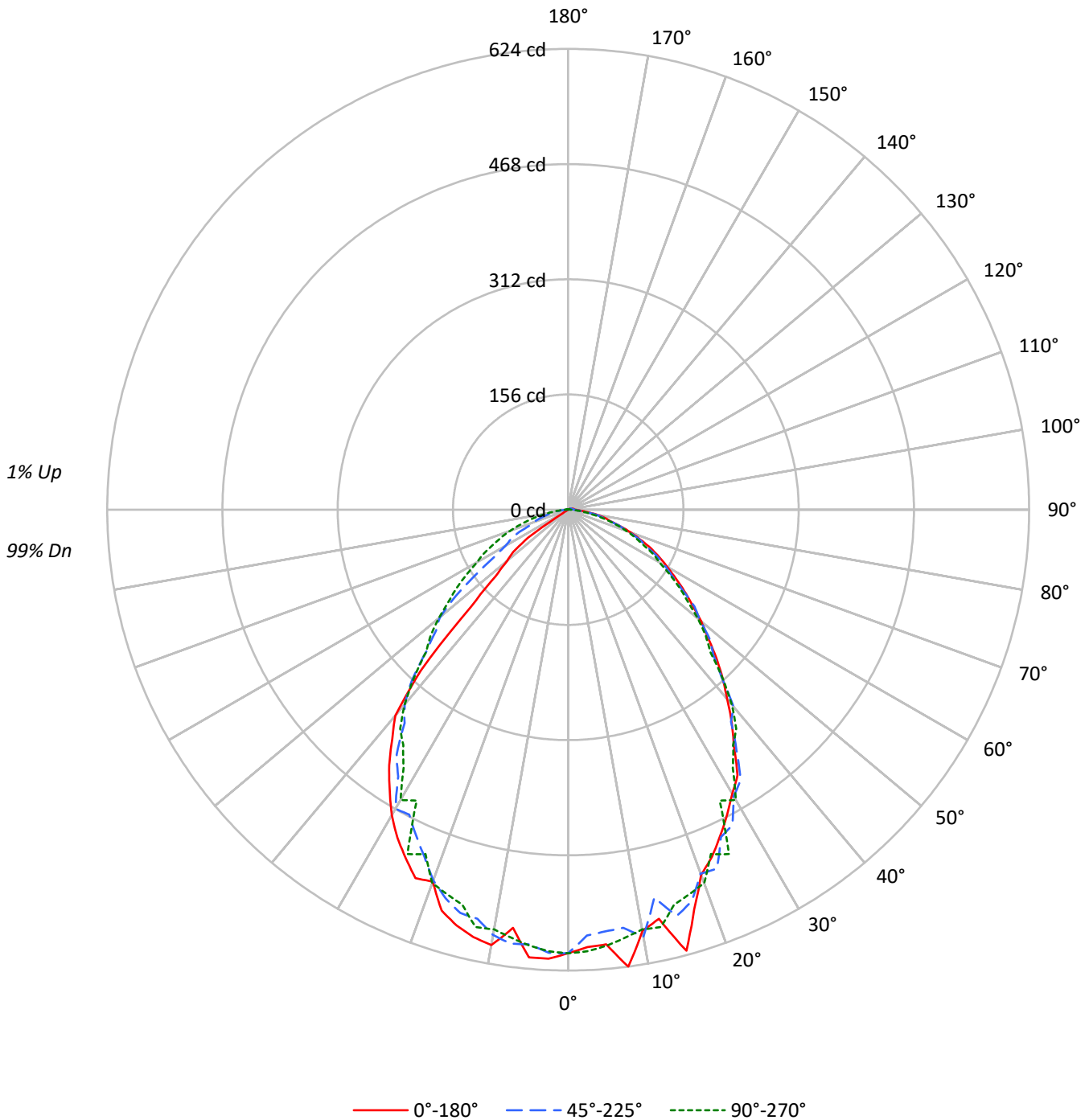
Lumens per Lamp: N/A
Luminaire Lumens: 1207.1 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.11 / 1.21
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')
CIE Type: Direct

Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (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: 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	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		63	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°	41375	41375	41375
5°	40770	40892	41985
10°	40332	40181	41697
15°	43809	39203	41307
20°	38242	39062	38955
25°	36616	38628	39119
30°	34844	35551	37449
35°	32356	32140	34945
40°	29488	30285	32079
45°	26982	25802	17677
50°	24454	23777	11211
55°	22261	21277	7722
60°	20437	18806	0
65°	19100	17192	0
70°	17007	15783	0
75°	14340	13266	0
80°	13653	10097	0
85°	10917	7088	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	4.7
10°-20°	158.3	13.1
20°-30°	228.4	18.9
30°-40°	249.0	20.6
40°-50°	208.8	17.3
50°-60°	145.3	12.0
60°-70°	90.7	7.5
70°-80°	48.0	4.0
80°-90°	14.2	1.2
90°-100°	3.9	0.3
100°-110°	2.7	0.2
110°-120°	1.1	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°	443.2	36.7
0°-40°	692.2	57.3
0°-60°	1046.3	86.7
0°-90°	1199.3	99.4
90°-120°	7.7	0.6
90°-150°	7.8	0.6
90°-180°	8.0	0.7
0°-180°	1207.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	601	601	601	601	601	
5°	591	573	593	591	608	57
15°	618	569	554	565	583	163
25°	487	489	514	487	520	224
35°	391	397	389	405	422	245
45°	284	278	272	272	186	218
55°	192	188	184	151	66	172
65°	123	115	112	76	0	121
75°	59	57	55	33	0	65
85°	18	16	12	8	0	19
90°	10	8	2	2	0	6
95°	8	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: P394977

CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T5X-DIM10-EDGE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6
2.5°	592.7	592.7	569.3	602.5	588.8	577.1	624.0	592.7	600.6	592.7	598.6
5°	590.8	588.8	598.6	600.6	586.9	573.2	581.0	602.5	598.6	602.5	592.7
7.5°	624.0	586.9	592.7	594.7	579.0	571.2	577.1	573.2	592.7	584.9	584.9
10°	579.0	559.5	575.1	586.9	584.9	586.9	608.4	577.1	586.9	575.1	577.1
12.5°	567.3	549.7	577.1	575.1	559.5	538.0	579.0	567.3	557.5	573.2	579.0
15°	618.2	561.4	567.3	573.2	547.7	569.3	567.3	541.9	586.9	551.6	553.6
17.5°	567.3	547.7	551.6	549.7	538.0	555.6	567.3	543.8	553.6	534.0	545.8
20°	526.2	530.1	536.0	532.1	516.4	524.3	536.0	538.0	536.0	514.5	538.0
22.5°	508.6	514.5	508.6	524.3	500.8	526.2	518.4	518.4	518.4	510.6	504.7
25°	487.1	494.9	489.1	493.0	477.3	489.1	496.9	489.1	498.8	483.2	514.5
27.5°	465.6	455.8	463.6	471.4	467.5	481.2	473.4	453.8	481.2	471.4	444.1
30°	444.1	436.2	453.8	459.7	444.1	448.0	453.8	446.0	457.8	438.2	453.8
32.5°	426.5	412.8	428.4	432.3	418.6	434.3	424.5	422.5	432.3	401.0	414.7
35°	391.2	401.0	404.9	395.2	393.2	397.1	406.9	379.5	406.9	385.4	389.3
37.5°	363.9	375.6	373.6	367.8	365.8	361.9	365.8	338.4	371.7	356.0	373.6
40°	334.5	322.8	344.3	314.9	322.8	348.2	346.2	326.7	348.2	342.3	344.3
42.5°	309.1	307.1	322.8	295.4	293.4	307.1	301.3	301.3	316.9	297.3	309.1
45°	283.6	281.7	291.5	270.0	268.0	277.8	283.6	273.9	277.8	270.0	271.9
47.5°	256.3	266.0	264.1	256.3	234.7	260.2	236.7	236.7	250.4	250.4	252.4
50°	234.7	244.5	234.7	234.7	225.0	232.8	223.0	211.3	226.9	230.8	228.9
52.5°	211.3	211.3	217.1	211.3	203.4	215.2	191.7	193.7	205.4	205.4	203.4
55°	191.7	199.5	197.6	191.7	189.8	187.8	178.0	181.9	180.0	185.8	183.9
57.5°	172.1	174.1	180.0	183.9	172.1	166.3	160.4	158.5	164.3	164.3	162.4
60°	154.5	160.4	160.4	158.5	146.7	150.6	138.9	144.8	140.8	142.8	142.8
62.5°	138.9	142.8	150.6	138.9	136.9	135.0	125.2	129.1	125.2	131.1	129.1
65°	123.2	127.2	129.1	125.2	121.3	115.4	113.5	109.5	113.5	113.5	111.5
67.5°	105.6	109.5	107.6	105.6	101.7	103.7	99.8	97.8	93.9	93.9	97.8
70°	90.0	93.9	91.9	91.9	88.0	86.1	82.2	80.2	78.2	82.2	84.1
72.5°	72.4	80.2	76.3	76.3	74.3	72.4	70.4	66.5	66.5	68.5	68.5
75°	58.7	66.5	66.5	62.6	62.6	56.7	56.7	56.7	54.8	54.8	54.8
77.5°	50.9	50.9	50.9	48.9	46.9	46.9	43.0	45.0	41.1	41.1	41.1
80°	39.1	39.1	39.1	37.2	35.2	37.2	33.3	33.3	31.3	31.3	29.3
82.5°	27.4	29.3	27.4	27.4	25.4	25.4	23.5	23.5	21.5	21.5	19.6
85°	17.6	19.6	19.6	19.6	17.6	15.6	15.6	13.7	11.7	11.7	11.7
87.5°	13.7	13.7	11.7	11.7	11.7	9.8	9.8	7.8	5.9	5.9	5.9
90°	9.8	11.7	9.8	9.8	7.8	7.8	5.9	5.9	3.9	2.0	2.0
92.5°	7.8	9.8	9.8	7.8	7.8	7.8	5.9	3.9	3.9	2.0	2.0
95°	7.8	7.8	7.8	7.8	7.8	5.9	5.9	3.9	2.0	2.0	2.0
97.5°	7.8	7.8	7.8	7.8	5.9	5.9	5.9	3.9	2.0	2.0	2.0
100°	5.9	5.9	5.9	5.9	5.9	5.9	3.9	3.9	2.0	2.0	2.0
102.5°	5.9	5.9	5.9	5.9	5.9	3.9	3.9	3.9	2.0	2.0	2.0
105°	5.9	5.9	5.9	3.9	3.9	3.9	3.9	3.9	2.0	2.0	2.0
107.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.0	2.0	2.0	2.0
110°	3.9	3.9	3.9	3.9	3.9	3.9	2.0	2.0	2.0	2.0	2.0



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CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T5X-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
115°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0
117.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0
120°	2.0	2.0	2.0	2.0	0.0	0.0	2.0	2.0	2.0	0.0	0.0
122.5°	2.0	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6
2.5°	588.8	590.8	586.9	626.0	600.6	596.6	604.5	604.5	606.4	608.4
5°	584.9	588.8	606.4	608.4	590.8	622.1	602.5	614.2	604.5	608.4
7.5°	579.0	584.9	575.1	616.2	592.7	608.4	598.6	608.4	598.6	571.2
10°	569.3	565.3	567.3	622.1	584.9	581.0	594.7	590.8	610.3	598.6
12.5°	551.6	571.2	569.3	598.6	567.3	586.9	567.3	561.4	600.6	592.7
15°	534.0	559.5	559.5	577.1	565.3	551.6	559.5	575.1	571.2	582.9
17.5°	534.0	532.1	530.1	561.4	551.6	536.0	563.4	559.5	573.2	569.3
20°	528.2	514.5	514.5	545.8	534.0	532.1	586.9	541.9	557.5	536.0
22.5°	496.9	516.4	528.2	543.8	508.6	504.7	532.1	528.2	536.0	539.9
25°	494.9	446.0	496.9	506.7	487.1	498.8	532.1	510.6	502.7	520.4
27.5°	475.4	477.3	477.3	496.9	465.6	479.3	510.6	479.3	491.0	500.8
30°	453.8	455.8	436.2	483.2	467.5	455.8	467.5	467.5	459.7	477.3
32.5°	428.4	432.3	412.8	436.2	428.4	426.5	442.1	448.0	438.2	449.9
35°	389.3	373.6	403.0	418.6	404.9	385.4	418.6	416.7	422.5	422.5
37.5°	332.6	363.9	361.9	391.2	363.9	365.8	385.4	387.3	391.2	391.2
40°	330.6	320.8	348.2	356.0	344.3	348.2	361.9	352.1	338.4	363.9
42.5°	299.3	301.3	301.3	324.7	313.0	314.9	314.9	295.4	301.3	295.4
45°	283.6	275.8	283.6	291.5	271.9	273.9	273.9	223.0	193.7	185.8
47.5°	246.5	248.4	254.3	256.3	242.6	238.7	205.4	140.8	121.3	133.0
50°	232.8	234.7	228.9	240.6	226.9	201.5	140.8	111.5	103.7	107.6
52.5°	207.4	197.6	207.4	207.4	191.7	135.0	121.3	88.0	84.1	93.9
55°	180.0	189.8	187.8	185.8	150.6	103.7	107.6	76.3	66.5	66.5
57.5°	166.3	166.3	166.3	164.3	117.4	93.9	86.1	33.3	9.8	7.8
60°	148.7	138.9	148.7	138.9	97.8	82.2	46.9	3.9	0.0	0.0
62.5°	131.1	129.1	131.1	113.5	88.0	52.8	31.3	2.0	0.0	0.0
65°	113.5	113.5	115.4	97.8	76.3	35.2	25.4	0.0	0.0	0.0
67.5°	97.8	95.9	99.8	84.1	56.7	33.3	21.5	0.0	0.0	0.0
70°	82.2	84.1	84.1	68.5	50.9	27.4	17.6	2.0	0.0	0.0
72.5°	68.5	70.4	68.5	58.7	41.1	23.5	15.6	2.0	0.0	0.0
75°	54.8	56.7	54.8	46.9	33.3	17.6	11.7	2.0	0.0	0.0
77.5°	43.0	43.0	43.0	37.2	25.4	15.6	9.8	2.0	0.0	0.0
80°	31.3	33.3	31.3	27.4	19.6	11.7	7.8	0.0	0.0	0.0
82.5°	21.5	21.5	21.5	17.6	13.7	7.8	5.9	0.0	0.0	0.0
85°	11.7	13.7	13.7	11.7	7.8	3.9	3.9	0.0	0.0	0.0
87.5°	5.9	5.9	5.9	5.9	3.9	3.9	2.0	0.0	0.0	0.0
90°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
92.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
95°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
97.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
100°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
102.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
105°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
110°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P394977

CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T5X-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.0	2.0	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)