

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: P394995

Luminaire Tested: **303-W2-LEDB2-TSAM-UNV-T2-DIM10-CS-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394995
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-W2-LEDB2-TSAM-UNV-T2-DIM10-CS-EDGE
Description: LUMIERE EON LED LUMINAIRE
WALL MOUNT, DIRECT-INDIRECT, TWO LIGHTBARS, TYPE 2 WITH EDGE GLOW
Light Source: AMBER LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 329.7 lumens
Efficiency: N/A
Efficacy: 27.2 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 1.71 / 1.67
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.21' x H: 1.52')
CIE Type: General Diffuse

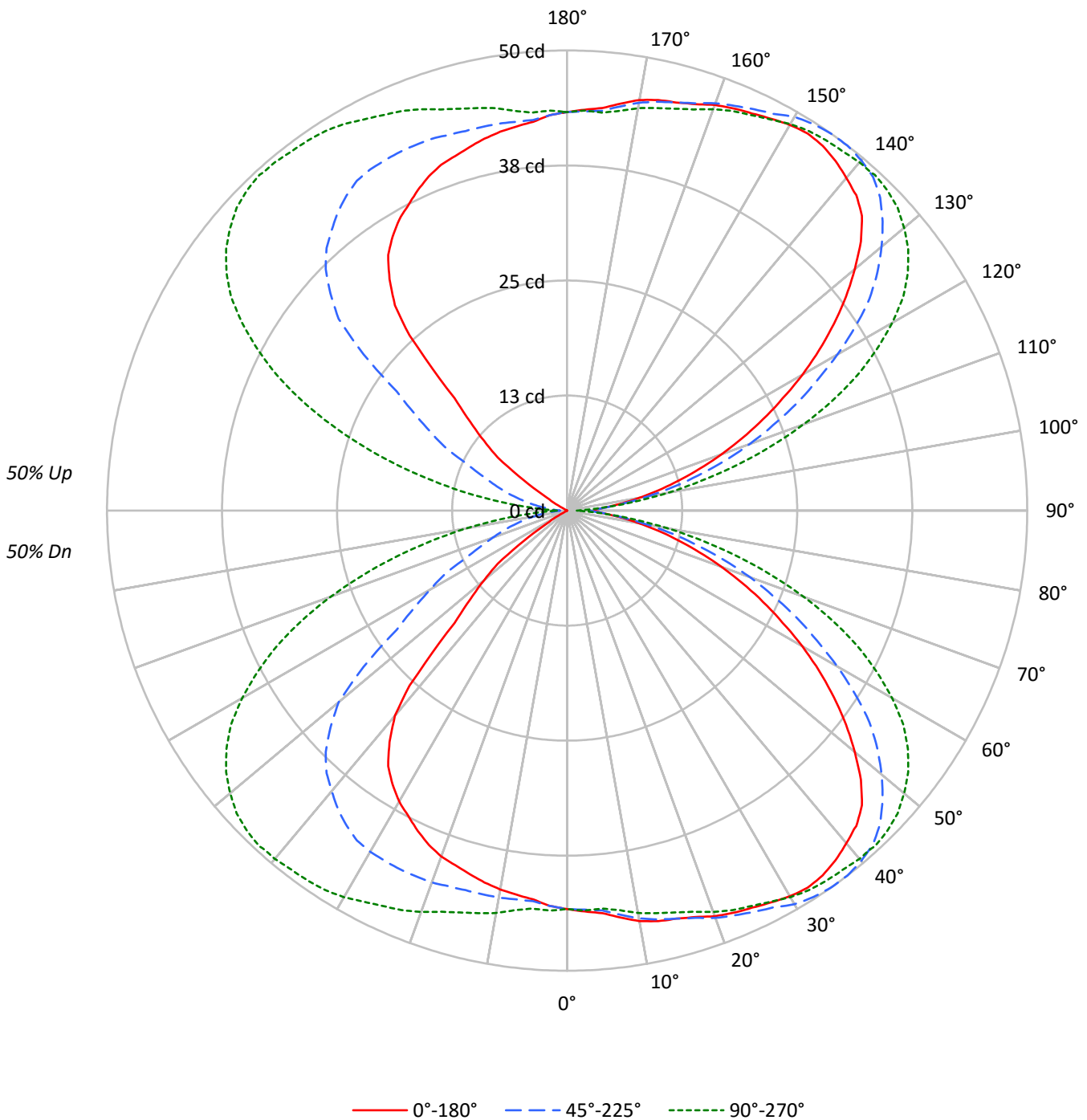
Input Watts (W): 12.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	97	93	89	85	90	86	82	79	72	70	68	60	58	57	49	48	47	41
2	88	81	74	69	81	74	69	64	63	59	55	52	49	47	43	40	39	34
3	80	70	63	57	74	65	58	53	55	50	46	46	42	39	37	35	32	28
4	73	62	54	48	67	57	50	45	49	43	39	41	36	33	33	30	27	24
5	67	55	47	40	61	51	43	38	43	37	33	36	32	28	29	26	24	20
6	61	49	41	35	56	46	38	33	39	33	28	32	28	24	27	23	20	17
7	57	44	36	30	52	41	34	28	35	29	25	29	25	21	24	21	18	15
8	52	40	32	26	48	37	30	25	32	26	22	27	22	19	22	18	16	13
9	49	36	29	23	45	34	27	22	29	23	19	24	20	17	20	17	14	12
10	45	33	26	21	42	31	24	20	27	21	17	22	18	15	19	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	5966	5966	5966
5°	3706	4431	3579
10°	2772	3623	2558
15°	2216	3091	1974
20°	1881	2748	1604
25°	1644	2493	1326
30°	1477	2310	1114
35°	1333	2152	933
40°	1192	2019	735
45°	1064	1897	406
50°	902	1757	261
55°	745	1599	120
60°	596	1402	22
65°	460	1171	0
70°	341	906	0
75°	236	630	2
80°	148	367	2
85°	81	137	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	1.3
10°-20°	12.6	3.8
20°-30°	21.0	6.4
30°-40°	28.5	8.6
40°-50°	31.9	9.7
50°-60°	29.0	8.8
60°-70°	21.5	6.5
70°-80°	12.3	3.7
80°-90°	3.9	1.2
90°-100°	3.9	1.2
100°-110°	12.3	3.7
110°-120°	21.5	6.5
120°-130°	29.0	8.8
130°-140°	31.9	9.7
140°-150°	28.5	8.6
150°-160°	21.0	6.4
160°-170°	12.6	3.8
170°-180°	4.2	1.3
0°-30°	37.7	11.4
0°-40°	66.2	20.1
0°-60°	127.1	38.5
0°-90°	164.9	50.0
90°-120°	37.8	11.5
90°-150°	127.1	38.6
90°-180°	165.0	50.0
0°-180°	329.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	43	43	43	43	43	
5°	44	44	43	43	42	4
15°	46	46	45	43	41	13
25°	48	48	47	43	38	22
35°	48	50	49	42	34	30
45°	45	48	49	37	17	35
55°	35	40	45	23	6	32
65°	24	28	35	12	0	23
75°	12	15	19	6	0	13
85°	4	4	4	2	0	4
90°	3	2	1	1	0	2
95°	4	4	4	2	0	4
105°	12	15	19	6	0	13
115°	24	28	35	12	0	23
125°	35	40	45	23	6	32
135°	45	48	49	37	17	35
145°	48	50	49	42	34	30
155°	48	48	47	43	38	22
165°	46	46	45	43	41	13
175°	44	44	43	43	42	4
180°	43	43	43	43	43	



TEST NUMBER: P394995

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
2.5°	43.6	43.6	43.9	44.0	43.8	43.6	43.4	43.7	43.8	43.4	43.9
5°	43.9	43.8	44.2	44.2	44.1	43.8	43.7	44.0	44.0	43.6	44.1
7.5°	44.6	44.5	44.9	44.9	44.7	44.6	44.4	44.7	44.7	44.3	44.7
10°	45.3	45.2	45.6	45.6	45.5	45.3	45.1	45.4	45.3	45.0	45.4
12.5°	45.7	45.7	46.1	46.1	46.0	45.9	45.6	45.9	45.8	45.5	45.9
15°	45.9	45.9	46.4	46.4	46.2	46.2	45.9	46.3	46.2	45.9	46.2
17.5°	46.3	46.3	46.8	46.8	46.7	46.6	46.4	46.8	46.7	46.4	46.7
20°	46.9	46.9	47.4	47.3	47.3	47.3	47.0	47.4	47.3	47.1	47.3
22.5°	47.3	47.3	47.8	47.8	47.7	47.7	47.5	47.9	47.8	47.6	47.9
25°	47.6	47.6	48.1	48.1	48.0	48.1	47.9	48.4	48.3	48.1	48.3
27.5°	48.0	48.0	48.5	48.5	48.5	48.6	48.4	48.9	48.8	48.6	48.8
30°	48.4	48.5	49.0	49.0	49.1	49.2	49.0	49.5	49.4	49.4	49.5
32.5°	48.6	48.7	49.3	49.2	49.4	49.5	49.4	50.0	49.8	49.8	50.0
35°	48.4	48.5	49.1	49.1	49.2	49.5	49.4	50.0	49.9	50.0	50.2
37.5°	47.9	48.0	48.5	48.6	48.8	49.1	49.1	49.7	49.7	50.0	50.1
40°	47.2	47.3	47.9	47.9	48.2	48.5	48.5	49.2	49.3	49.7	50.0
42°	46.6	46.7	47.2	47.2	47.5	47.9	47.9	48.6	48.8	49.3	49.7
42.5°	46.5	46.6	47.0	47.0	47.3	47.7	47.7	48.5	48.6	49.2	49.6
45°	45.3	45.3	45.8	45.8	46.2	46.4	46.5	47.1	47.3	48.1	48.6
47.5°	43.3	43.3	43.7	43.9	44.4	44.7	44.9	45.5	45.6	46.5	47.1
50°	40.8	40.9	41.3	41.5	42.0	42.4	42.8	43.6	43.7	44.6	45.2
52.5°	38.2	38.3	38.6	38.8	39.4	39.8	40.3	41.2	41.6	42.5	43.0
55°	35.4	35.5	35.7	36.0	36.5	37.0	37.5	38.4	38.9	40.1	40.6
57.5°	32.5	32.5	33.0	33.0	33.5	34.0	34.5	35.4	35.9	37.1	38.0
60°	29.5	29.6	29.9	29.9	30.4	31.0	31.5	32.3	32.7	33.9	34.8
62.5°	26.4	26.5	26.4	26.7	27.2	27.8	28.4	29.1	29.5	30.6	31.5
65°	23.5	23.6	23.7	23.8	24.3	24.8	25.4	26.1	26.5	27.5	28.3
67.5°	20.6	20.7	20.6	20.9	21.3	21.8	22.3	22.9	23.3	24.2	24.9
70°	17.8	17.9	17.9	18.0	18.4	18.8	19.3	19.6	20.1	21.1	21.5
72.5°	15.1	15.2	15.0	15.2	15.6	15.8	16.3	16.6	17.0	17.9	18.2
75°	12.5	12.6	12.6	12.7	13.0	13.1	13.5	13.8	14.1	14.7	15.0
77.5°	10.1	10.1	10.2	10.2	10.4	10.5	10.9	11.0	11.3	11.8	11.8
80°	7.9	8.0	7.9	8.0	8.1	8.2	8.5	8.5	8.7	8.9	9.1
82.5°	6.0	6.0	6.0	6.0	6.1	6.1	6.3	6.3	6.3	6.4	6.4
85°	4.3	4.3	4.4	4.3	4.4	4.4	4.5	4.4	4.4	4.5	4.3
87.5°	3.2	3.3	3.3	3.3	3.3	3.2	3.3	3.1	3.1	3.1	2.8
90°	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.7	2.6	2.5	2.4
92.5°	3.2	3.3	3.3	3.3	3.3	3.2	3.3	3.1	3.1	3.1	2.8
95°	4.3	4.3	4.4	4.3	4.4	4.4	4.5	4.4	4.4	4.5	4.3
97.5°	6.0	6.0	6.0	6.0	6.1	6.1	6.3	6.3	6.3	6.4	6.4
100°	7.9	8.0	7.9	8.0	8.1	8.2	8.5	8.5	8.7	8.9	9.1
102.5°	10.1	10.1	10.2	10.2	10.4	10.5	10.9	11.0	11.3	11.8	11.8
105°	12.5	12.6	12.6	12.7	13.0	13.1	13.5	13.8	14.1	14.7	15.0
107.5°	15.1	15.2	15.0	15.2	15.6	15.8	16.3	16.6	17.0	17.9	18.2



TEST NUMBER: P394995

CATALOG NUMBER: 303-W2-LEDB2-TSAM-UNV-T2-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
110°	17.8	17.9	17.9	18.0	18.4	18.8	19.3	19.6	20.1	21.1	21.5
112.5°	20.6	20.7	20.6	20.9	21.3	21.8	22.3	22.9	23.3	24.2	24.9
115°	23.5	23.6	23.7	23.8	24.3	24.8	25.4	26.1	26.5	27.5	28.3
117.5°	26.4	26.5	26.4	26.7	27.2	27.8	28.4	29.1	29.5	30.6	31.5
120°	29.5	29.6	29.9	29.9	30.4	31.0	31.5	32.3	32.7	33.9	34.8
122.5°	32.5	32.5	33.0	33.0	33.5	34.0	34.5	35.4	35.9	37.1	38.0
125°	35.4	35.5	35.7	36.0	36.5	37.0	37.5	38.4	38.9	40.1	40.6
127.5°	38.2	38.3	38.6	38.8	39.4	39.8	40.3	41.2	41.6	42.5	43.0
130°	40.8	40.9	41.3	41.5	42.0	42.4	42.8	43.6	43.7	44.6	45.2
132.5°	43.3	43.3	43.7	43.9	44.4	44.7	44.9	45.5	45.6	46.5	47.1
135°	45.3	45.3	45.8	45.8	46.2	46.4	46.5	47.1	47.3	48.1	48.6
137.5°	46.5	46.6	47.0	47.0	47.3	47.7	47.7	48.5	48.6	49.2	49.6
138°	46.6	46.7	47.2	47.2	47.5	47.9	47.9	48.6	48.8	49.3	49.7
140°	47.2	47.3	47.9	47.9	48.2	48.5	48.5	49.2	49.3	49.7	50.0
142.5°	47.9	48.0	48.5	48.6	48.8	49.1	49.1	49.7	49.7	50.0	50.1
145°	48.4	48.5	49.1	49.1	49.2	49.5	49.4	50.0	49.9	50.0	50.2
147.5°	48.6	48.7	49.3	49.2	49.4	49.5	49.4	50.0	49.8	49.8	50.0
150°	48.4	48.5	49.0	49.0	49.1	49.2	49.0	49.5	49.4	49.4	49.5
152.5°	48.0	48.0	48.5	48.5	48.5	48.6	48.4	48.9	48.8	48.6	48.8
155°	47.6	47.6	48.1	48.1	48.0	48.1	47.9	48.4	48.3	48.1	48.3
157.5°	47.3	47.3	47.8	47.8	47.7	47.7	47.5	47.9	47.8	47.6	47.9
160°	46.9	46.9	47.4	47.3	47.3	47.3	47.0	47.4	47.3	47.1	47.3
162.5°	46.3	46.3	46.8	46.8	46.7	46.6	46.4	46.8	46.7	46.4	46.7
165°	45.9	45.9	46.4	46.4	46.2	46.2	45.9	46.3	46.2	45.9	46.2
167.5°	45.7	45.7	46.1	46.1	46.0	45.9	45.6	45.9	45.8	45.5	45.9
170°	45.3	45.2	45.6	45.6	45.5	45.3	45.1	45.4	45.3	45.0	45.4
172.5°	44.6	44.5	44.9	44.9	44.7	44.6	44.4	44.7	44.7	44.3	44.7
175°	43.9	43.8	44.2	44.2	44.1	43.8	43.7	44.0	44.0	43.6	44.1
177.5°	43.6	43.6	43.9	44.0	43.8	43.6	43.4	43.7	43.8	43.4	43.9
180°	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3



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CANDELA DISTRIBUTION (continued):

	55°	58°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
2.5°	43.5	43.9	43.4	43.6	43.6	43.4	43.4	43.4	43.5	43.7	43.4
5°	43.7	44.1	43.6	43.8	43.8	43.4	43.5	43.4	43.4	43.7	43.2
7.5°	44.3	44.7	44.2	44.3	44.2	43.9	44.0	43.9	43.8	44.1	43.6
10°	45.0	45.3	44.9	45.0	44.9	44.5	44.6	44.5	44.4	44.6	44.1
12.5°	45.5	45.8	45.4	45.5	45.4	45.0	45.0	45.0	44.8	45.0	44.4
15°	45.9	46.2	45.8	45.8	45.7	45.3	45.4	45.4	45.2	45.3	44.7
17.5°	46.4	46.7	46.3	46.3	46.3	45.9	45.9	45.9	45.7	45.8	45.3
20°	47.0	47.4	47.0	47.0	47.0	46.6	46.6	46.6	46.4	46.5	45.9
22.5°	47.6	47.9	47.7	47.6	47.5	47.1	47.1	47.2	47.0	47.0	46.5
25°	48.1	48.4	48.1	48.0	47.9	47.6	47.6	47.7	47.4	47.4	47.0
27.5°	48.6	48.9	48.7	48.5	48.4	48.1	48.1	48.2	47.9	47.9	47.4
30°	49.3	49.6	49.4	49.1	49.0	48.7	48.8	48.9	48.5	48.5	48.1
32.5°	49.9	50.2	50.0	49.7	49.6	49.3	49.3	49.4	48.9	48.9	48.5
35°	50.1	50.5	50.4	50.1	50.0	49.6	49.5	49.6	49.1	49.0	48.6
37.5°	50.3	50.7	50.7	50.4	50.3	49.9	49.8	49.8	49.2	49.1	48.6
40°	50.3	50.7	50.8	50.6	50.5	50.2	50.1	50.1	49.4	49.1	48.6
42°	50.2	50.7	50.9	50.7	50.8	50.5	50.3	50.2	49.4	49.1	48.5
42.5°	50.2	50.6	50.8	50.7	50.8	50.6	50.3	50.2	49.5	49.1	48.5
45°	49.4	50.0	50.4	50.5	50.6	50.5	50.2	50.1	49.2	48.7	48.1
47.5°	48.2	48.8	49.3	49.7	49.9	50.0	49.7	49.7	48.7	48.0	47.3
50°	46.5	47.2	47.9	48.4	48.9	49.1	48.9	48.9	47.8	47.1	46.3
52.5°	44.4	45.2	45.9	46.7	47.5	47.9	47.9	47.8	46.7	45.9	45.0
55°	41.9	42.8	43.6	44.6	45.6	46.3	46.4	46.3	45.2	44.3	43.3
57.5°	39.2	40.0	40.9	42.1	43.4	44.3	44.4	44.4	43.3	42.2	41.1
60°	36.3	36.9	37.9	39.1	40.5	41.6	41.9	41.9	40.8	39.8	38.7
62.5°	33.1	33.7	34.6	35.8	37.3	38.5	38.9	39.0	37.9	36.9	35.7
65°	29.8	30.5	31.5	32.5	34.0	35.3	35.7	35.8	34.8	33.8	32.8
67.5°	26.2	26.9	27.8	28.9	30.3	31.6	32.0	32.2	31.2	30.3	29.3
70°	22.7	23.2	24.1	25.1	26.4	27.4	28.0	28.1	27.3	26.5	25.7
72.5°	19.2	19.6	20.4	21.2	22.4	23.3	23.8	24.0	23.2	22.6	21.9
75°	15.7	16.1	16.7	17.4	18.3	19.3	19.6	19.7	19.1	18.5	18.0
77.5°	12.5	12.7	13.2	13.7	14.4	14.9	15.3	15.5	14.9	14.5	14.1
80°	9.4	9.5	9.9	10.2	10.7	10.9	11.2	11.3	11.1	10.6	10.4
82.5°	6.7	6.7	6.9	7.0	7.2	7.5	7.5	7.5	7.3	7.0	7.0
85°	4.4	4.3	4.5	4.4	4.4	4.5	4.3	4.3	4.1	4.1	4.1
87.5°	2.8	2.6	2.7	2.5	2.4	2.3	2.1	2.0	1.9	1.9	1.9
90°	2.2	2.1	2.1	1.9	1.7	1.5	1.3	1.1	1.0	1.0	1.1
92.5°	2.8	2.6	2.7	2.5	2.4	2.3	2.1	2.0	1.9	1.9	1.9
95°	4.4	4.3	4.5	4.4	4.4	4.5	4.3	4.3	4.1	4.1	4.1
97.5°	6.7	6.7	6.9	7.0	7.2	7.5	7.5	7.5	7.3	7.0	7.0
100°	9.4	9.5	9.9	10.2	10.7	10.9	11.2	11.3	11.1	10.6	10.4
102.5°	12.5	12.7	13.2	13.7	14.4	14.9	15.3	15.5	14.9	14.5	14.1
105°	15.7	16.1	16.7	17.4	18.3	19.3	19.6	19.7	19.1	18.5	18.0
107.5°	19.2	19.6	20.4	21.2	22.4	23.3	23.8	24.0	23.2	22.6	21.9



TEST NUMBER: P394995

CATALOG NUMBER: 303-W2-LEDB2-TSAM-UNV-T2-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	55°	58°	60°	65°	70°	75°	80°	85°	90°	95°	100°
110°	22.7	23.2	24.1	25.1	26.4	27.4	28.0	28.1	27.3	26.5	25.7
112.5°	26.2	26.9	27.8	28.9	30.3	31.6	32.0	32.2	31.2	30.3	29.3
115°	29.8	30.5	31.5	32.5	34.0	35.3	35.7	35.8	34.8	33.8	32.8
117.5°	33.1	33.7	34.6	35.8	37.3	38.5	38.9	39.0	37.9	36.9	35.7
120°	36.3	36.9	37.9	39.1	40.5	41.6	41.9	41.9	40.8	39.8	38.7
122.5°	39.2	40.0	40.9	42.1	43.4	44.3	44.4	44.4	43.3	42.2	41.1
125°	41.9	42.8	43.6	44.6	45.6	46.3	46.4	46.3	45.2	44.3	43.3
127.5°	44.4	45.2	45.9	46.7	47.5	47.9	47.9	47.8	46.7	45.9	45.0
130°	46.5	47.2	47.9	48.4	48.9	49.1	48.9	48.9	47.8	47.1	46.3
132.5°	48.2	48.8	49.3	49.7	49.9	50.0	49.7	49.7	48.7	48.0	47.3
135°	49.4	50.0	50.4	50.5	50.6	50.5	50.2	50.1	49.2	48.7	48.1
137.5°	50.2	50.6	50.8	50.7	50.8	50.6	50.3	50.2	49.5	49.1	48.5
138°	50.2	50.7	50.9	50.7	50.8	50.5	50.3	50.2	49.4	49.1	48.5
140°	50.3	50.7	50.8	50.6	50.5	50.2	50.1	50.1	49.4	49.1	48.6
142.5°	50.3	50.7	50.7	50.4	50.3	49.9	49.8	49.8	49.2	49.1	48.6
145°	50.1	50.5	50.4	50.1	50.0	49.6	49.5	49.6	49.1	49.0	48.6
147.5°	49.9	50.2	50.0	49.7	49.6	49.3	49.3	49.4	48.9	48.9	48.5
150°	49.3	49.6	49.4	49.1	49.0	48.7	48.8	48.9	48.5	48.5	48.1
152.5°	48.6	48.9	48.7	48.5	48.4	48.1	48.1	48.2	47.9	47.9	47.4
155°	48.1	48.4	48.1	48.0	47.9	47.6	47.6	47.7	47.4	47.4	47.0
157.5°	47.6	47.9	47.7	47.6	47.5	47.1	47.1	47.2	47.0	47.0	46.5
160°	47.0	47.4	47.0	47.0	47.0	46.6	46.6	46.6	46.4	46.5	45.9
162.5°	46.4	46.7	46.3	46.3	46.3	45.9	45.9	45.9	45.7	45.8	45.3
165°	45.9	46.2	45.8	45.8	45.7	45.3	45.4	45.4	45.2	45.3	44.7
167.5°	45.5	45.8	45.4	45.5	45.4	45.0	45.0	45.0	44.8	45.0	44.4
170°	45.0	45.3	44.9	45.0	44.9	44.5	44.6	44.5	44.4	44.6	44.1
172.5°	44.3	44.7	44.2	44.3	44.2	43.9	44.0	43.9	43.8	44.1	43.6
175°	43.7	44.1	43.6	43.8	43.8	43.4	43.5	43.4	43.4	43.7	43.2
177.5°	43.5	43.9	43.4	43.6	43.6	43.4	43.4	43.4	43.5	43.7	43.4
180°	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3



TEST NUMBER: P394995

CATALOG NUMBER: 303-W2-LEDB2-TSAM-UNV-T2-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
2.5°	43.6	43.2	43.2	43.1	43.3	42.9	43.0	42.7	42.7	42.7	42.8
5°	43.4	43.0	42.9	42.7	42.9	42.5	42.6	42.2	42.1	42.1	42.2
7.5°	43.7	43.2	43.2	42.9	43.0	42.6	42.6	42.2	42.0	42.0	42.1
10°	44.1	43.6	43.5	43.2	43.3	42.7	42.7	42.3	42.0	41.9	41.9
12.5°	44.4	43.9	43.7	43.3	43.3	42.8	42.7	42.1	41.8	41.6	41.6
15°	44.7	44.1	43.9	43.4	43.4	42.8	42.7	42.0	41.5	41.2	41.2
17.5°	45.2	44.6	44.4	43.7	43.7	43.1	42.8	42.0	41.4	41.0	40.9
20°	45.8	45.2	45.0	44.2	44.1	43.4	43.0	42.1	41.4	40.9	40.7
22.5°	46.4	45.7	45.4	44.6	44.4	43.5	43.0	42.0	41.2	40.6	40.3
25°	46.7	46.1	45.7	44.8	44.6	43.6	43.0	41.8	40.8	40.1	39.6
27.5°	47.2	46.6	46.1	45.2	44.8	43.7	42.9	41.6	40.4	39.5	38.9
30°	47.8	47.1	46.7	45.5	45.0	43.8	42.8	41.4	40.1	39.1	38.3
32.5°	48.2	47.4	46.8	45.6	45.0	43.7	42.5	40.9	39.3	38.2	37.4
35°	48.2	47.4	46.8	45.4	44.7	43.1	41.8	40.0	38.4	37.1	36.2
37.5°	48.2	47.2	46.5	45.0	44.0	42.4	40.9	39.0	37.2	35.9	34.8
40°	48.0	47.0	46.1	44.4	43.3	41.5	39.8	37.8	35.9	34.2	32.9
42°	47.9	46.7	45.6	43.8	42.6	40.8	38.9	36.8	34.5	32.7	31.1
42.5°	47.7	46.6	45.4	43.7	42.4	40.5	38.7	36.5	34.2	32.2	30.6
45°	47.2	45.9	44.5	42.6	41.1	39.2	37.1	34.5	31.9	29.3	26.4
47.5°	46.3	44.8	43.2	41.2	39.5	37.4	34.9	31.9	28.1	23.2	19.7
50°	45.1	43.4	41.6	39.5	37.7	35.2	32.4	27.5	21.4	18.6	16.7
52.5°	43.6	41.8	39.8	37.5	35.4	32.6	27.9	21.6	18.0	16.0	14.2
55°	41.8	39.8	37.7	35.3	32.8	28.7	22.6	18.4	15.6	13.9	12.1
57.5°	39.6	37.5	35.2	32.7	29.3	23.4	19.7	16.1	13.5	11.7	9.1
60°	37.0	34.9	32.5	29.7	24.5	20.2	17.2	14.1	10.9	7.8	5.6
62.5°	34.1	32.0	29.6	25.8	21.2	17.7	15.0	11.2	7.6	5.8	4.1
65°	31.2	29.1	26.5	22.3	18.8	15.6	12.1	9.0	6.1	4.6	3.1
67.5°	27.8	25.8	23.3	19.5	16.4	13.4	10.1	7.6	5.1	3.9	2.7
70°	24.3	22.5	20.2	16.9	14.1	11.5	8.6	6.5	4.4	3.4	2.4
72.5°	20.6	19.1	17.1	14.3	11.9	9.7	7.3	5.5	3.8	2.9	2.0
75°	16.9	15.6	14.1	11.7	9.8	8.0	6.0	4.6	3.2	2.4	1.7
77.5°	13.3	12.3	11.1	9.2	7.7	6.3	4.8	3.7	2.6	1.9	1.4
80°	9.8	9.1	8.2	6.9	5.8	4.8	3.7	2.8	2.0	1.6	1.1
82.5°	6.6	6.2	5.6	4.8	4.0	3.4	2.6	2.1	1.5	1.1	0.9
85°	3.9	3.7	3.4	2.9	2.5	2.2	1.8	1.5	1.1	0.9	0.7
87.5°	1.9	1.9	1.8	1.6	1.5	1.3	1.1	1.0	0.8	0.6	0.5
90°	1.1	1.2	1.1	1.1	1.0	1.0	0.8	0.8	0.7	0.5	0.4
92.5°	1.9	1.9	1.8	1.6	1.5	1.3	1.1	1.0	0.8	0.6	0.5
95°	3.9	3.7	3.4	2.9	2.5	2.2	1.8	1.5	1.1	0.9	0.7
97.5°	6.6	6.2	5.6	4.8	4.0	3.4	2.6	2.1	1.5	1.1	0.9
100°	9.8	9.1	8.2	6.9	5.8	4.8	3.7	2.8	2.0	1.6	1.1
102.5°	13.3	12.3	11.1	9.2	7.7	6.3	4.8	3.7	2.6	1.9	1.4
105°	16.9	15.6	14.1	11.7	9.8	8.0	6.0	4.6	3.2	2.4	1.7
107.5°	20.6	19.1	17.1	14.3	11.9	9.7	7.3	5.5	3.8	2.9	2.0



TEST NUMBER: P394995

CATALOG NUMBER: 303-W2-LEDB2-TSAM-UNV-T2-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
110°	24.3	22.5	20.2	16.9	14.1	11.5	8.6	6.5	4.4	3.4	2.4
112.5°	27.8	25.8	23.3	19.5	16.4	13.4	10.1	7.6	5.1	3.9	2.7
115°	31.2	29.1	26.5	22.3	18.8	15.6	12.1	9.0	6.1	4.6	3.1
117.5°	34.1	32.0	29.6	25.8	21.2	17.7	15.0	11.2	7.6	5.8	4.1
120°	37.0	34.9	32.5	29.7	24.5	20.2	17.2	14.1	10.9	7.8	5.6
122.5°	39.6	37.5	35.2	32.7	29.3	23.4	19.7	16.1	13.5	11.7	9.1
125°	41.8	39.8	37.7	35.3	32.8	28.7	22.6	18.4	15.6	13.9	12.1
127.5°	43.6	41.8	39.8	37.5	35.4	32.6	27.9	21.6	18.0	16.0	14.2
130°	45.1	43.4	41.6	39.5	37.7	35.2	32.4	27.5	21.4	18.6	16.7
132.5°	46.3	44.8	43.2	41.2	39.5	37.4	34.9	31.9	28.1	23.2	19.7
135°	47.2	45.9	44.5	42.6	41.1	39.2	37.1	34.5	31.9	29.3	26.4
137.5°	47.7	46.6	45.4	43.7	42.4	40.5	38.7	36.5	34.2	32.2	30.6
138°	47.9	46.7	45.6	43.8	42.6	40.8	38.9	36.8	34.5	32.7	31.1
140°	48.0	47.0	46.1	44.4	43.3	41.5	39.8	37.8	35.9	34.2	32.9
142.5°	48.2	47.2	46.5	45.0	44.0	42.4	40.9	39.0	37.2	35.9	34.8
145°	48.2	47.4	46.8	45.4	44.7	43.1	41.8	40.0	38.4	37.1	36.2
147.5°	48.2	47.4	46.8	45.6	45.0	43.7	42.5	40.9	39.3	38.2	37.4
150°	47.8	47.1	46.7	45.5	45.0	43.8	42.8	41.4	40.1	39.1	38.3
152.5°	47.2	46.6	46.1	45.2	44.8	43.7	42.9	41.6	40.4	39.5	38.9
155°	46.7	46.1	45.7	44.8	44.6	43.6	43.0	41.8	40.8	40.1	39.6
157.5°	46.4	45.7	45.4	44.6	44.4	43.5	43.0	42.0	41.2	40.6	40.3
160°	45.8	45.2	45.0	44.2	44.1	43.4	43.0	42.1	41.4	40.9	40.7
162.5°	45.2	44.6	44.4	43.7	43.7	43.1	42.8	42.0	41.4	41.0	40.9
165°	44.7	44.1	43.9	43.4	43.4	42.8	42.7	42.0	41.5	41.2	41.2
167.5°	44.4	43.9	43.7	43.3	43.3	42.8	42.7	42.1	41.8	41.6	41.6
170°	44.1	43.6	43.5	43.2	43.3	42.7	42.7	42.3	42.0	41.9	41.9
172.5°	43.7	43.2	43.2	42.9	43.0	42.6	42.6	42.2	42.0	42.0	42.1
175°	43.4	43.0	42.9	42.7	42.9	42.5	42.6	42.2	42.1	42.1	42.2
177.5°	43.6	43.2	43.2	43.1	43.3	42.9	43.0	42.7	42.7	42.7	42.8
180°	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3



TEST NUMBER: P394995

CATALOG NUMBER: 303-W2-LEDB2-TSAM-UNV-T2-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	43.3	43.3	43.3	43.3	43.3
2.5°	42.6	42.7	42.8	42.8	43.0
5°	42.0	42.1	42.1	42.1	42.4
7.5°	41.8	41.9	41.8	41.9	42.1
10°	41.6	41.7	41.6	41.6	41.8
12.5°	41.3	41.4	41.1	41.1	41.4
15°	40.8	40.9	40.6	40.6	40.9
17.5°	40.5	40.5	40.1	40.1	40.4
20°	40.2	40.2	39.8	39.8	40.0
22.5°	39.7	39.6	39.1	39.0	39.3
25°	38.9	38.8	38.3	38.1	38.4
27.5°	38.1	37.9	37.3	37.2	37.4
30°	37.4	37.1	36.4	36.3	36.5
32.5°	36.4	36.0	35.3	35.1	35.3
35°	35.1	34.7	33.9	33.7	33.9
37.5°	33.6	32.8	31.9	31.6	31.7
40°	31.4	30.5	29.3	29.0	29.1
42°	29.3	27.9	26.3	25.5	25.6
42.5°	28.6	26.9	24.9	23.9	24.0
45°	22.0	19.2	17.9	17.3	17.3
47.5°	17.1	15.6	14.8	14.2	14.3
50°	14.4	13.0	12.2	11.8	11.8
52.5°	12.1	10.9	10.1	9.7	9.5
55°	10.0	8.4	7.2	6.3	5.7
57.5°	5.5	3.9	3.2	2.8	2.6
60°	3.3	2.3	1.6	1.3	1.1
62.5°	2.2	1.3	0.7	0.2	0.1
65°	1.6	0.8	0.4	0.1	0.0
67.5°	1.4	0.8	0.4	0.1	0.0
70°	1.3	0.7	0.3	0.1	0.0
72.5°	1.1	0.6	0.3	0.1	0.0
75°	1.0	0.5	0.3	0.1	0.1
77.5°	0.8	0.4	0.2	0.1	0.1
80°	0.7	0.4	0.2	0.1	0.1
82.5°	0.5	0.3	0.2	0.1	0.1
85°	0.4	0.3	0.1	0.1	0.0
87.5°	0.4	0.3	0.1	0.1	0.1
90°	0.4	0.2	0.1	0.1	0.1
92.5°	0.4	0.3	0.1	0.1	0.1
95°	0.4	0.3	0.1	0.1	0.0
97.5°	0.5	0.3	0.2	0.1	0.1
100°	0.7	0.4	0.2	0.1	0.1
102.5°	0.8	0.4	0.2	0.1	0.1
105°	1.0	0.5	0.3	0.1	0.1
107.5°	1.1	0.6	0.3	0.1	0.0



TEST NUMBER: P394995

CATALOG NUMBER: 303-W2-LEDB2-TSAM-UNV-T2-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
110°	1.3	0.7	0.3	0.1	0.0
112.5°	1.4	0.8	0.4	0.1	0.0
115°	1.6	0.8	0.4	0.1	0.0
117.5°	2.2	1.3	0.7	0.2	0.1
120°	3.3	2.3	1.6	1.3	1.1
122.5°	5.5	3.9	3.2	2.8	2.6
125°	10.0	8.4	7.2	6.3	5.7
127.5°	12.1	10.9	10.1	9.7	9.5
130°	14.4	13.0	12.2	11.8	11.8
132.5°	17.1	15.6	14.8	14.2	14.3
135°	22.0	19.2	17.9	17.3	17.3
137.5°	28.6	26.9	24.9	23.9	24.0
138°	29.3	27.9	26.3	25.5	25.6
140°	31.4	30.5	29.3	29.0	29.1
142.5°	33.6	32.8	31.9	31.6	31.7
145°	35.1	34.7	33.9	33.7	33.9
147.5°	36.4	36.0	35.3	35.1	35.3
150°	37.4	37.1	36.4	36.3	36.5
152.5°	38.1	37.9	37.3	37.2	37.4
155°	38.9	38.8	38.3	38.1	38.4
157.5°	39.7	39.6	39.1	39.0	39.3
160°	40.2	40.2	39.8	39.8	40.0
162.5°	40.5	40.5	40.1	40.1	40.4
165°	40.8	40.9	40.6	40.6	40.9
167.5°	41.3	41.4	41.1	41.1	41.4
170°	41.6	41.7	41.6	41.6	41.8
172.5°	41.8	41.9	41.8	41.9	42.1
175°	42.0	42.1	42.1	42.1	42.4
177.5°	42.6	42.7	42.8	42.8	43.0
180°	43.3	43.3	43.3	43.3	43.3

(END OF REPORT)