

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: P394775

Luminaire Tested: **303-B2-LEDB4-3500-UNV-T4-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (Compare Roadway Adding Tool)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-B2-LEDB4-3500-UNV-T4-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, DUAL HEAD, FOUR LIGHTBAR, TYPE 4 WITH EDGE GLOW
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2580.9 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 1.06' x H: 0.01')
IES Classification: Type III - Short
BUG Rating: B1 - U1 - G1

Input Watts (W): 30.6
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: 28.75 FT

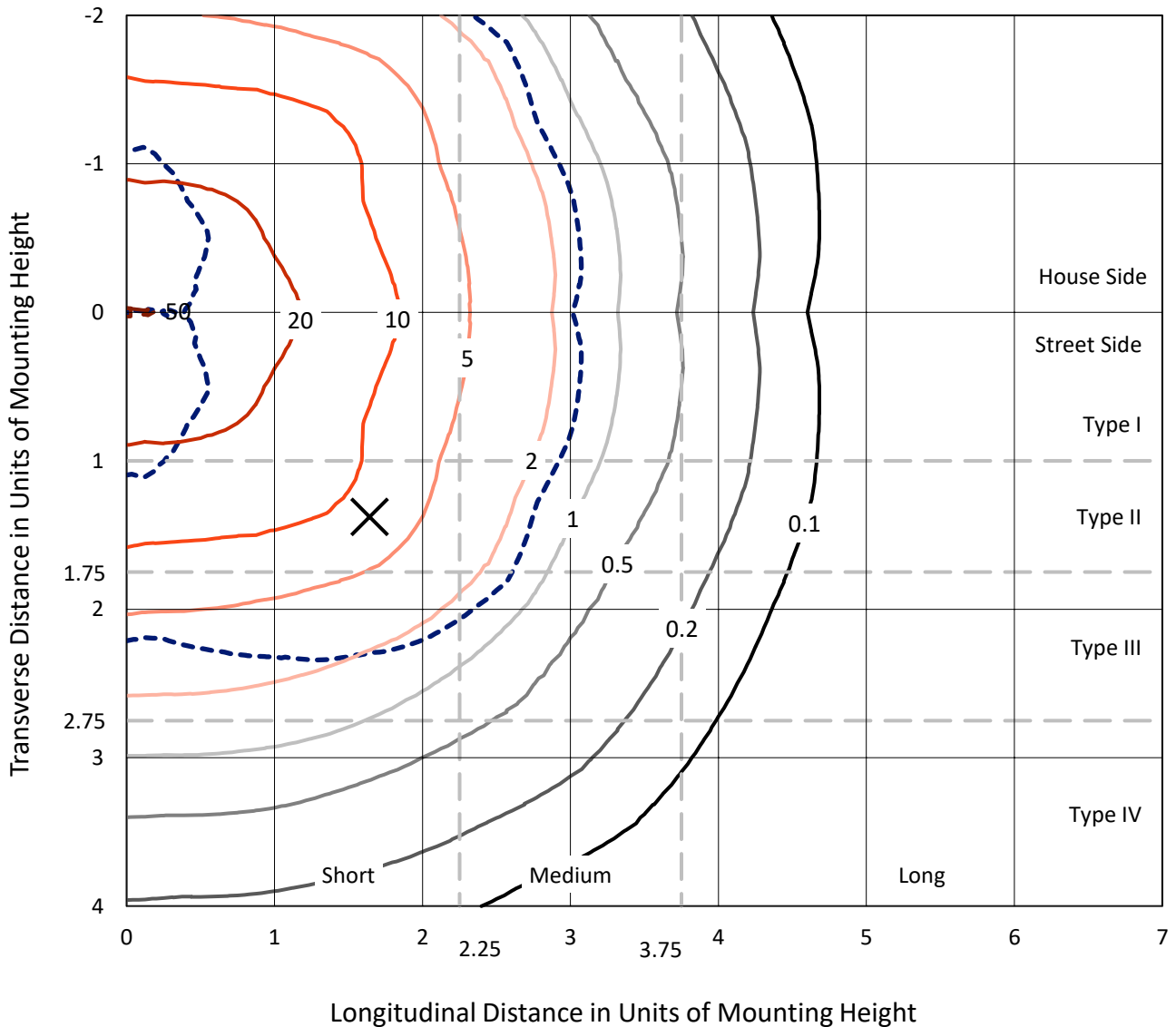


REPORT NUMBER: P394775

CATALOG NUMBER: 303-B2-LEDB4-3500-UNV-T4-DIM10-EDGE

Iso-Footcandle Lines of Horizontal Illumination

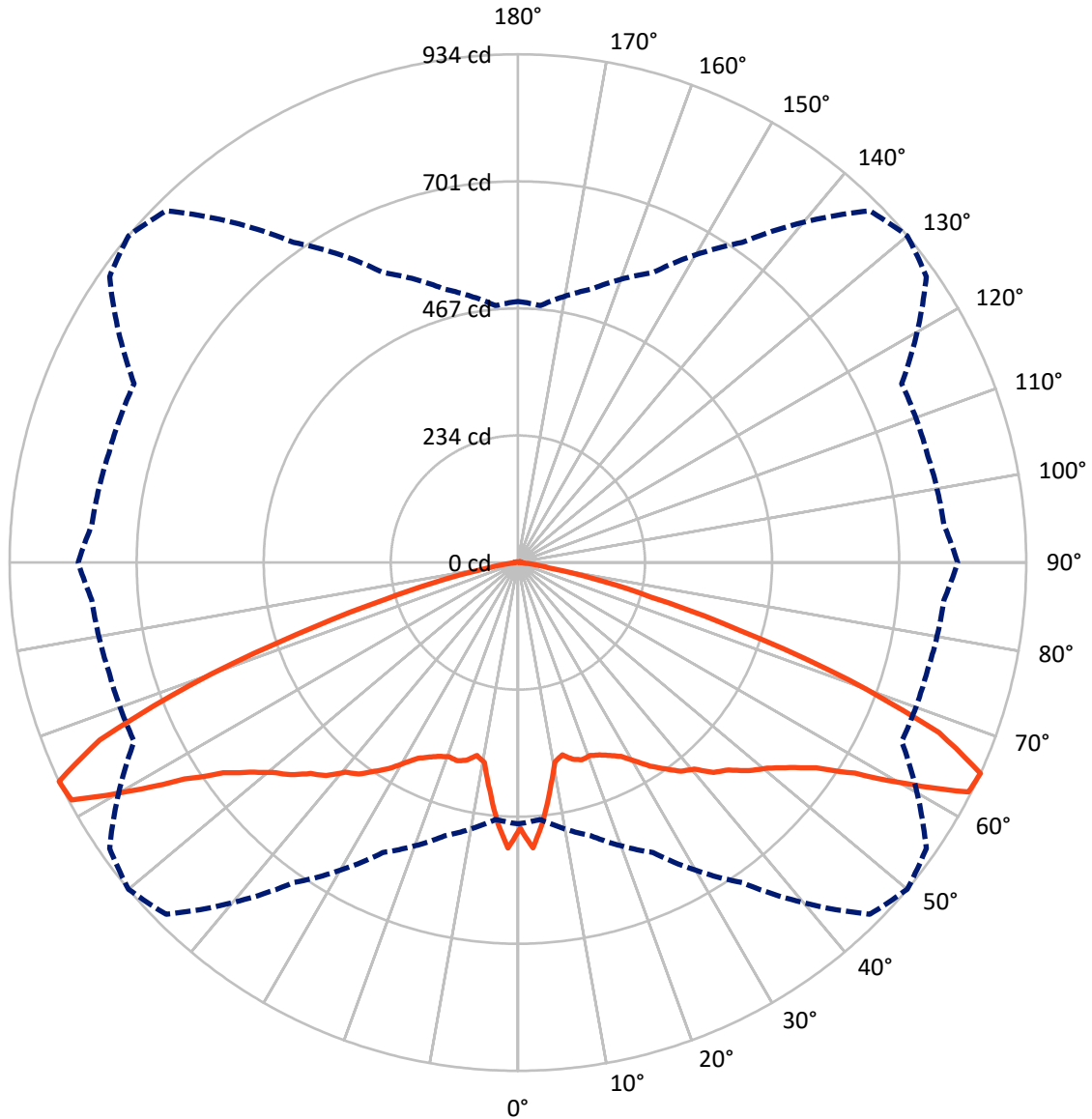
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 54.2 fc
 Type III - Short - N/A

REPORT NUMBER: P394775
CATALOG NUMBER: 303-B2-LEDB4-3500-UNV-T4-DIM10-EDGE

Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P394775

CATALOG NUMBER: 303-B2-LEDB4-3500-UNV-T4-DIM10-EDGE

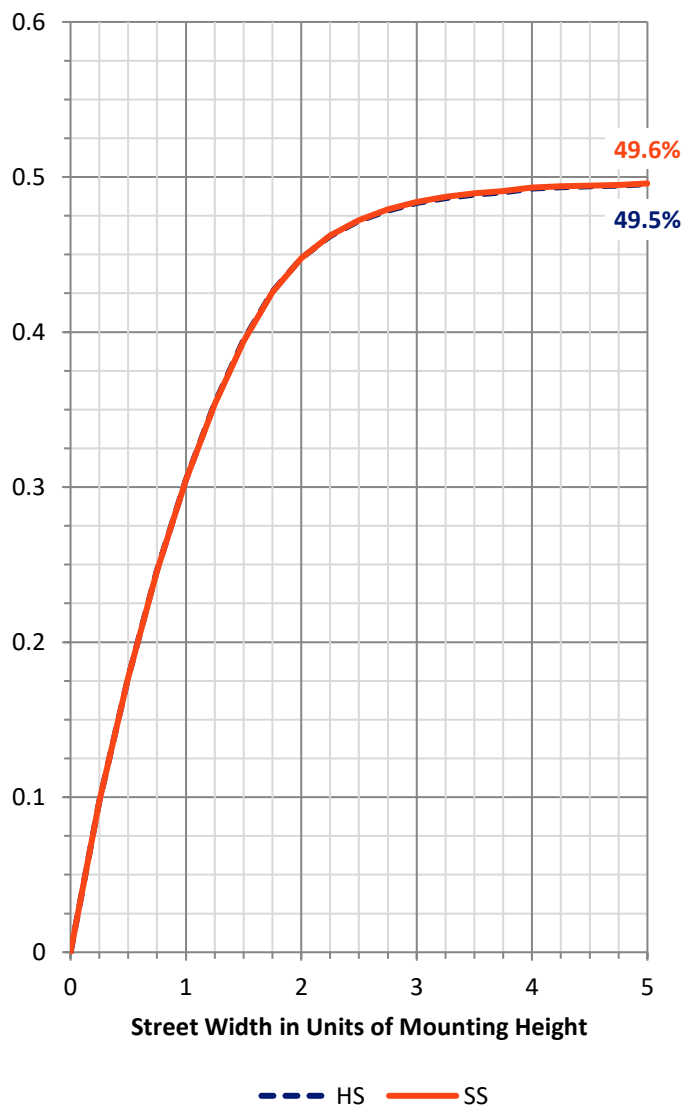
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1282.2	8.3	1290.5
	% Fixture	49.7	0.3	50.0
Street Side	Lumens	1282.2	8.3	1290.5
	% Fixture	49.7	0.3	50.0
Total	Lumens	2564.4	16.5	2580.9
	% Fixture	99.4	0.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.5	1.6
10°-20°	106.7	4.1
20°-30°	183.7	7.1
30°-40°	294.9	11.4
40°-50°	409.7	15.9
50°-60°	568.8	22.0
60°-70°	680.0	26.3
70°-80°	260.3	10.1
80°-90°	19.7	0.8
90°-100°	6.8	0.3
100°-110°	4.7	0.2
110°-120°	2.9	0.1
120°-130°	1.5	0.1
130°-140°	0.7	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°-90°	2564.4	99.4
0°-180°	2580.9	100.0

Coefficient of Utilization



REPORT NUMBER: P394775

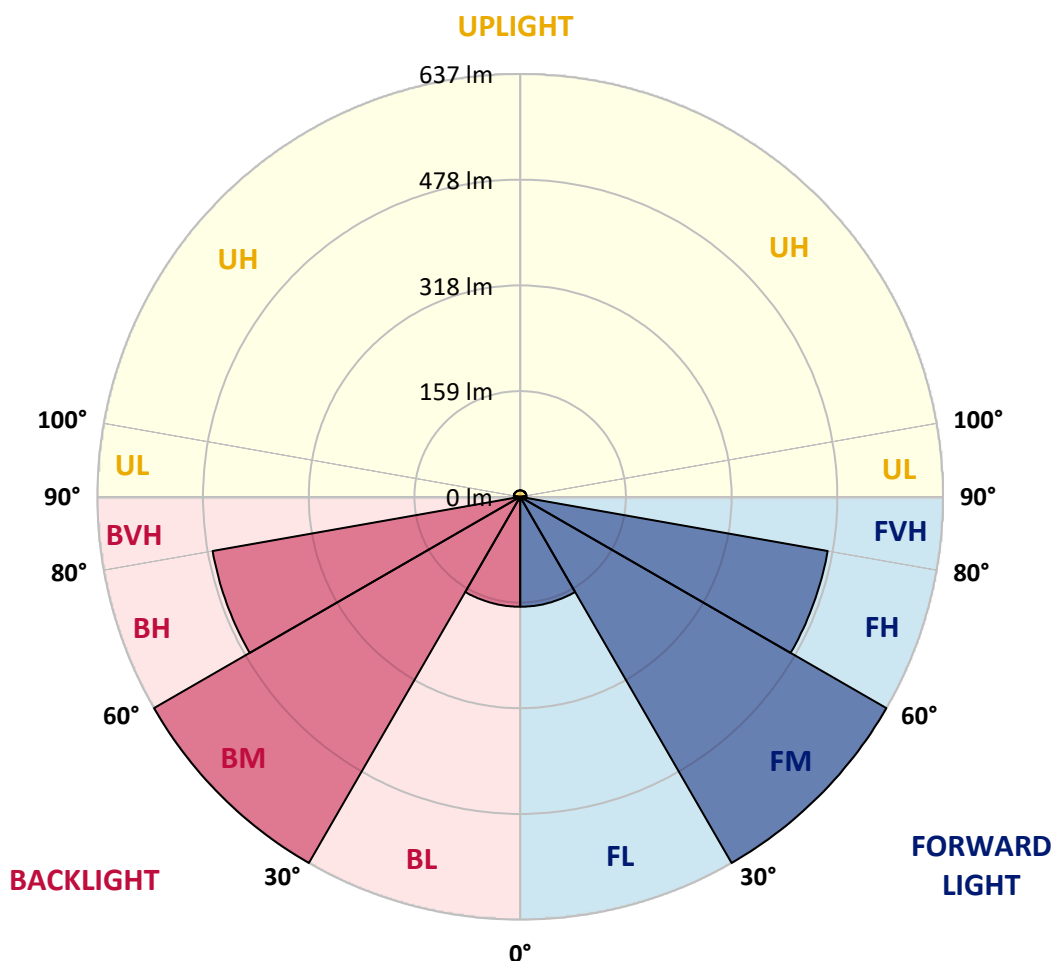
CATALOG NUMBER: 303-B2-LEDB4-3500-UNV-T4-DIM10-EDGE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	165.5	6.4			
FM	(30°-60°)	636.7	24.7			
FH	(60°-80°)	470.2	18.2			G0/660
FVH	(80°-90°)	9.9	0.4			G0/10
BL	(0°-30°)	165.5	6.4	B1/500		
BM	(30°-60°)	636.7	24.7	B1/1000		
BH	(60°-80°)	470.2	18.2	B1/500		G1/500
BVH	(80°-90°)	9.9	0.4			G0/10
UL	(90°-100°)	6.8	0.3		U1/10	
UH	(100°-180°)	9.8	0.4		U1/10	

BUG Rating: B1-U1-G1

Type III Short





REPORT NUMBER: P394775

CATALOG NUMBER: 303-B2-LEDB4-3500-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	488	488	488	488	488	488	488	488	488	488	488
2.5°	502	490	490	490	484	478	473	468	472	476	525
5°	372	380	380	380	384	388	393	398	418	438	478
7.5°	316	310	314	318	320	322	331	340	362	384	423
10°	340	340	337	334	331	328	320	312	322	332	373
12.5°	334	332	333	334	334	334	335	336	342	348	363
15°	312	314	314	314	312	310	320	330	344	358	375
17.5°	310	302	307	312	313	314	314	314	336	358	381
20°	324	324	322	320	316	312	314	316	334	352	379
22.5°	334	326	327	328	330	332	329	326	343	360	384
25°	338	336	339	342	340	338	341	344	357	370	393
27.5°	348	348	349	350	352	354	357	360	370	380	404
30°	358	362	363	364	364	364	370	376	390	404	423
32.5°	376	378	380	382	386	390	392	394	407	420	446
35°	396	392	398	404	409	414	418	422	432	442	466
37.5°	406	404	411	418	427	436	442	448	457	466	487
40°	426	414	423	432	443	454	465	476	480	484	499
42.5°	438	424	436	448	458	468	482	496	508	520	527
45°	442	442	452	462	473	484	498	512	525	538	544
47.5°	470	458	468	478	486	494	513	532	548	564	572
50°	480	480	486	492	503	514	536	558	577	596	594
52.5°	508	508	512	516	533	550	567	584	608	632	626
55°	546	542	551	560	567	574	600	626	644	662	666
57.5°	600	578	586	594	615	636	657	678	706	734	731
60°	594	590	603	616	646	676	723	770	802	834	828
62.5°	568	548	574	600	630	660	723	786	851	916	929
65°	480	474	497	520	554	588	653	718	816	914	934
67.5°	426	422	438	454	479	504	558	612	707	802	835
70°	340	344	361	378	400	422	453	484	545	606	643
72.5°	240	242	257	272	295	318	338	358	379	400	427
75°	150	146	156	166	171	176	193	210	234	258	253
77.5°	66	68	73	78	89	100	105	110	124	138	140
80°	42	40	42	44	47	50	53	56	58	60	57
82.5°	24	22	23	24	25	26	27	28	30	32	29
85°	16	14	14	14	14	14	14	14	13	12	12
87.5°	12	12	12	12	12	12	11	10	9	8	8
90°	12	12	12	12	11	10	10	10	9	8	7
92.5°	10	10	10	10	10	10	9	8	8	8	7
95°	10	10	10	10	10	10	9	8	7	6	6
97.5°	10	10	10	10	9	8	8	8	7	6	6
100°	8	8	8	8	8	8	7	6	6	6	6
102.5°	8	8	8	8	8	8	7	6	6	6	5
105°	8	8	8	8	7	6	6	6	5	4	4
107.5°	6	6	6	6	6	6	6	6	5	4	4
110°	6	6	6	6	6	6	5	4	4	4	4



REPORT NUMBER: P394775

CATALOG NUMBER: 303-B2-LEDB4-3500-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	6	6	6	6	5	4	4	4	4	4	4
115°	4	4	4	4	4	4	4	4	4	4	3
117.5°	4	4	4	4	4	4	4	4	3	2	2
120°	4	4	4	4	4	4	3	2	2	2	2
122.5°	4	4	4	4	3	2	2	2	2	2	2
125°	2	2	2	2	2	2	2	2	2	2	2
127.5°	2	2	2	2	2	2	2	2	2	2	2
130°	2	2	2	2	2	2	2	2	2	2	2
132.5°	2	2	2	2	2	2	2	2	2	2	1
135°	2	2	2	2	2	2	2	2	1	0	0
137.5°	2	2	2	2	2	2	1	0	0	0	0
140°	0	0	0	0	0	0	0	0	0	0	0
142.5°	0	0	0	0	0	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0	0	0	0
147.5°	0	0	0	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0	0	0	0
152.5°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P394775

CATALOG NUMBER: 303-B2-LEDB4-3500-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	488	488	488	488	488	488	488	488
2.5°	568	576	584	540	496	491	486	484
5°	510	496	482	513	544	516	488	488
7.5°	454	465	476	488	500	495	490	476
10°	410	434	458	473	488	484	480	476
12.5°	384	412	440	459	478	478	478	472
15°	382	396	410	438	466	471	476	472
17.5°	402	404	406	433	460	467	474	468
20°	402	408	414	433	452	459	466	464
22.5°	406	420	434	440	446	459	472	460
25°	412	430	448	453	458	470	482	480
27.5°	426	447	468	475	482	491	500	504
30°	440	468	496	503	510	522	534	532
32.5°	468	487	506	526	546	556	566	564
35°	480	506	532	547	562	577	592	588
37.5°	506	517	528	550	572	589	606	600
40°	510	522	534	555	576	594	612	620
42.5°	530	536	542	558	574	598	622	628
45°	546	545	544	559	574	603	632	636
47.5°	572	563	554	568	582	608	634	648
50°	594	581	568	581	594	622	650	680
52.5°	622	612	602	609	616	650	684	696
55°	672	643	614	627	640	675	710	728
57.5°	714	692	670	674	678	707	736	768
60°	814	776	738	737	736	760	784	816
62.5°	920	861	802	796	790	810	830	836
65°	916	847	778	778	778	782	786	808
67.5°	828	774	720	709	698	699	700	680
70°	680	634	588	590	592	585	578	548
72.5°	454	439	424	437	450	446	442	424
75°	248	250	252	270	288	284	280	252
77.5°	136	131	126	127	128	121	114	100
80°	54	55	56	54	52	45	38	32
82.5°	26	25	24	25	26	21	16	16
85°	10	11	12	10	8	7	6	8
87.5°	6	5	4	3	2	1	0	0
90°	6	5	4	3	2	1	0	0
92.5°	6	5	4	3	2	1	0	0
95°	6	5	4	3	2	1	0	0
97.5°	6	5	4	3	2	1	0	0
100°	4	4	4	3	2	1	0	0
102.5°	4	3	2	2	2	1	0	0
105°	4	3	2	2	2	1	0	0
107.5°	4	3	2	2	2	1	0	0
110°	4	3	2	2	2	1	0	0



REPORT NUMBER: P394775

CATALOG NUMBER: 303-B2-LEDB4-3500-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	2	2	2	2	2	1	0	0
115°	2	2	2	2	2	1	0	0
117.5°	2	2	2	1	0	0	0	0
120°	2	2	2	1	0	0	0	0
122.5°	2	2	2	1	0	0	0	0
125°	2	2	2	1	0	0	0	0
127.5°	2	1	0	0	0	0	0	0
130°	2	1	0	0	0	0	0	0
132.5°	0	0	0	0	0	0	0	0
135°	0	0	0	0	0	0	0	0
137.5°	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0
142.5°	0	0	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0
147.5°	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0
152.5°	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0

(END OF REPORT)