

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: P394786

Luminaire Tested: **303-B2-LEDB4-4000-UNV-T5X-DIM10-EDGE**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394786  
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-LEDB4-4000-UNV-T5X-DIM10-EDGE  
Description: LUMIERE EON LED LUMINAIRE  
BOLLARD, DUAL HEAD, FOUR LIGHTBAR, TYPE 5 WITH EDGE GLOW  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2364.5 lumens  
Efficiency: N/A  
Efficacy: 77.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 1.06' x H: 0.01')  
IES Classification: Type I - Short  
BUG Rating: B1 - U2 - 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

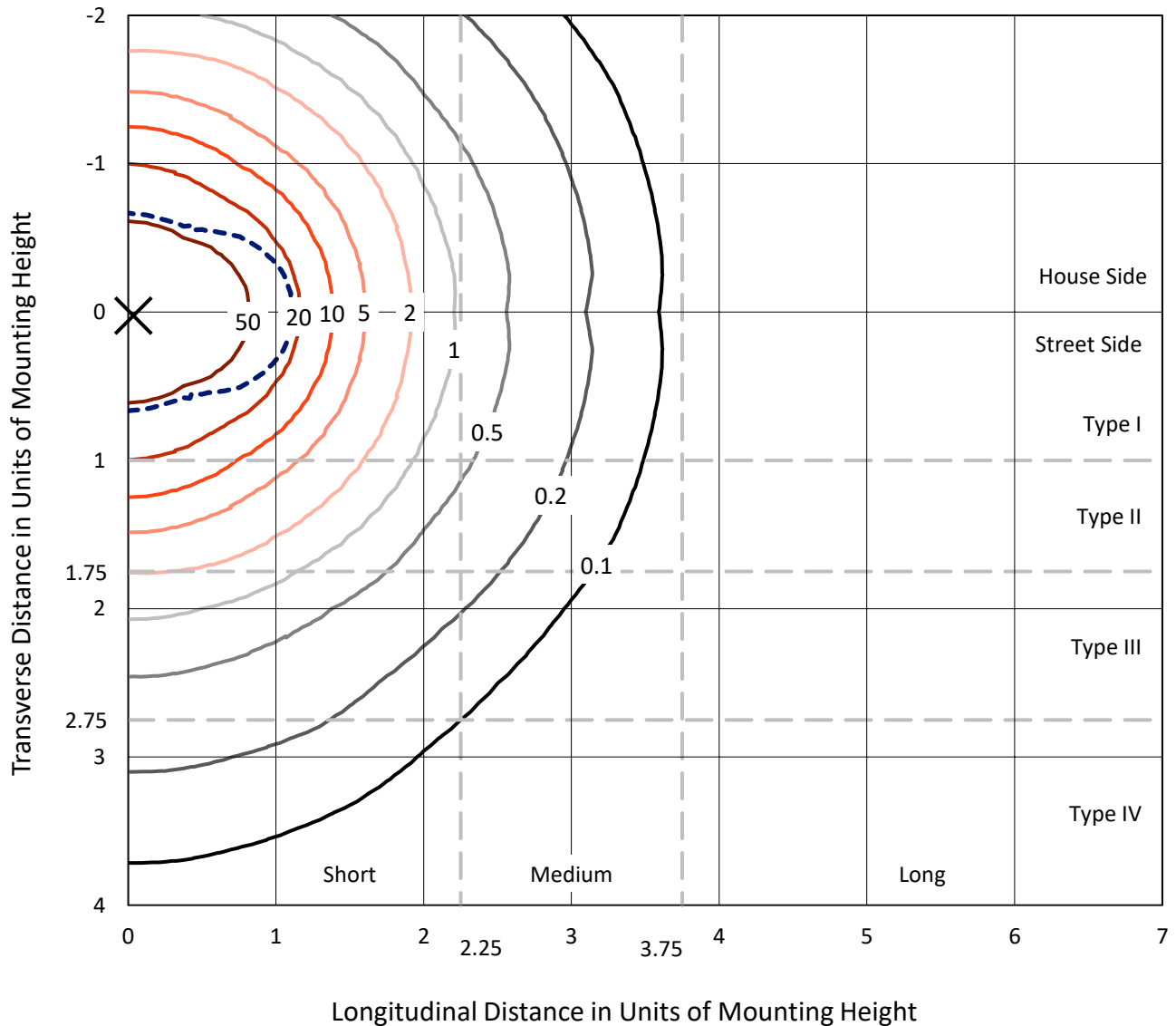


REPORT NUMBER: P394786

CATALOG NUMBER: 303-B2-LEDB4-4000-UNV-T5X-DIM10-EDGE

### Iso-Footcandle Lines of Horizontal Illumination

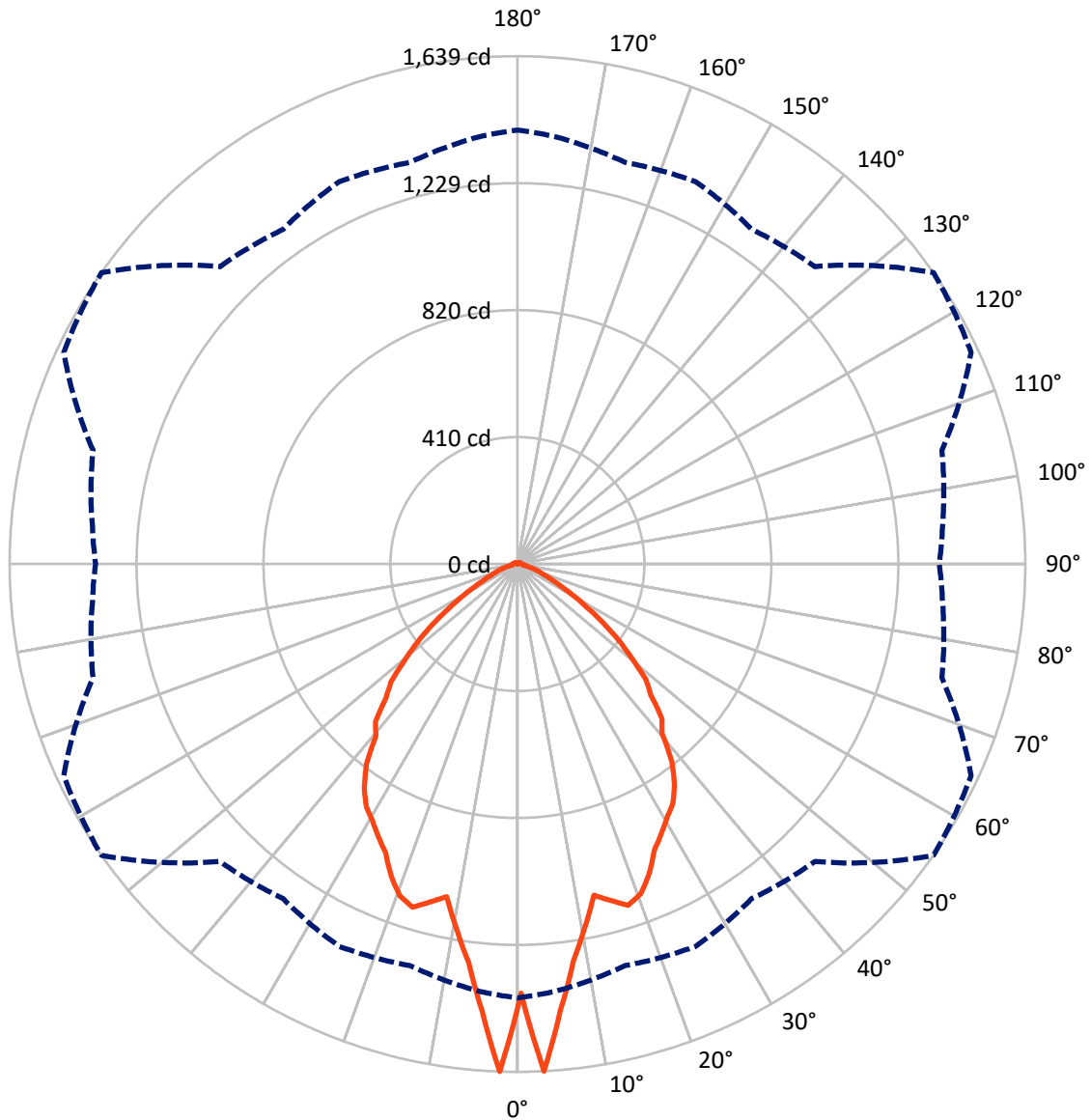
× Max cd  
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 153.9 fc  
 Type I - Short - N/A

REPORT NUMBER: P394786  
CATALOG NUMBER: 303-B2-LEDB4-4000-UNV-T5X-DIM10-EDGE

### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 2.5-Deg Vertical

REPORT NUMBER: P394786

CATALOG NUMBER: 303-B2-LEDB4-4000-UNV-T5X-DIM10-EDGE

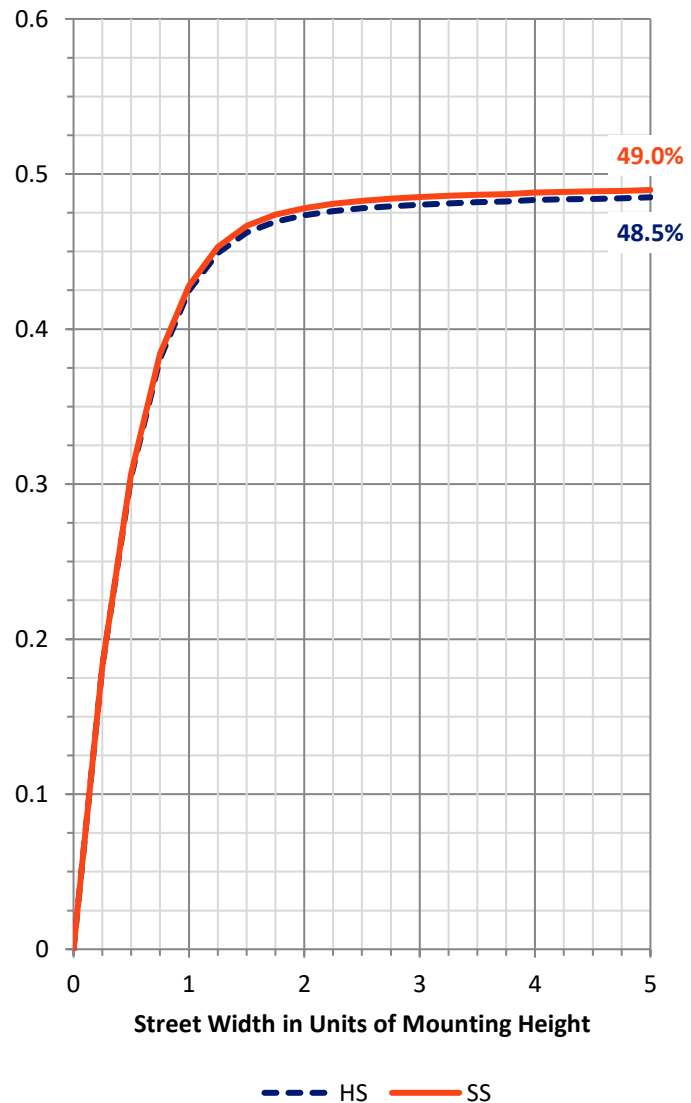
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1160.9	21.4	1182.3
	% Fixture	49.1	0.9	50.0
<b>Street Side</b>	Lumens	1160.9	21.4	1182.3
	% Fixture	49.1	0.9	50.0
<b>Total</b>	Lumens	2321.8	42.7	2364.5
	% Fixture	98.2	1.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.0	4.9
10°-20°	303.5	12.8
20°-30°	450.7	19.1
30°-40°	511.5	21.6
40°-50°	457.4	19.3
50°-60°	290.7	12.3
60°-70°	120.9	5.1
70°-80°	49.9	2.1
80°-90°	21.1	0.9
90°-100°	16.2	0.7
100°-110°	11.9	0.5
110°-120°	7.4	0.3
120°-130°	4.1	0.2
130°-140°	2.0	0.1
140°-150°	1.0	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2321.8	98.2
0°-180°	2364.5	100.0



REPORT NUMBER: P394786

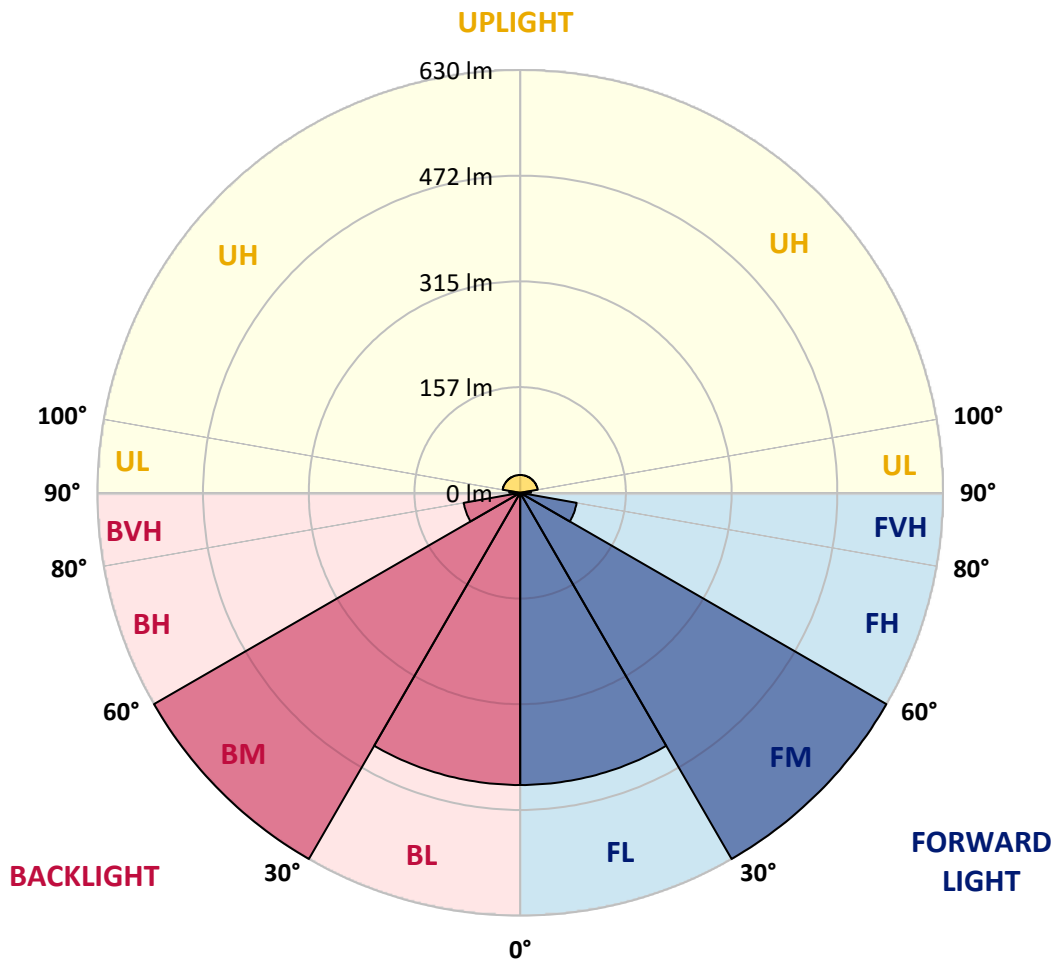
CATALOG NUMBER: 303-B2-LEDB4-4000-UNV-T5X-DIM10-EDGE

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	435.2	18.4			
FM (30°-60°)	629.8	26.6			
FH (60°-80°)	85.4	3.6			G0/660
FVH (80°-90°)	10.6	0.4			G1/100
BL (0°-30°)	435.2	18.4	B1/500		
BM (30°-60°)	629.8	26.6	B1/1000		
BH (60°-80°)	85.4	3.6	B0/110		G0/110
BVH (80°-90°)	10.6	0.4			G1/100
UL (90°-100°)	16.2	0.7		U2/50	
UH (100°-180°)	26.5	1.1		U2/50	

**BUG Rating: B1-U2-G1**

Type I Short





REPORT NUMBER: P394786

CATALOG NUMBER: 303-B2-LEDB4-4000-UNV-T5X-DIM10-EDGE

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0
2.5°	1400.6	1385.0	1363.5	1342.0	1351.7	1361.5	1340.0	1318.5	1338.0	1357.6	1498.5
5°	1101.3	1118.9	1121.9	1124.8	1125.8	1126.8	1143.4	1160.0	1199.2	1238.3	1342.9
7.5°	915.5	939.0	929.2	919.4	923.3	927.2	950.7	974.2	1055.4	1136.6	1215.8
10°	985.9	993.8	982.0	970.3	950.7	931.2	917.5	903.8	937.0	970.3	1081.8
12.5°	968.3	999.6	993.8	987.9	1001.6	1015.3	996.7	978.1	971.3	964.4	1030.9
15°	876.4	888.1	887.1	886.2	901.8	917.5	935.1	952.7	997.7	1042.7	1084.7
17.5°	847.0	860.7	856.8	852.9	855.8	858.8	859.8	860.7	937.0	1013.3	1085.7
20°	856.8	858.8	850.9	843.1	845.1	847.0	846.1	845.1	894.0	942.9	1039.7
22.5°	843.1	843.1	844.1	845.1	852.9	860.7	835.3	809.9	857.8	905.7	996.7
25°	813.8	817.7	814.8	811.8	821.6	831.4	831.4	831.4	858.8	886.2	955.6
27.5°	778.6	792.3	785.4	778.6	784.4	790.3	790.3	790.3	834.3	878.3	933.1
30°	745.3	753.1	749.2	745.3	751.2	757.1	754.1	751.2	799.1	847.0	898.9
32.5°	710.1	714.0	711.1	708.1	712.1	716.0	715.0	714.0	750.2	786.4	853.9
35°	671.0	682.7	669.0	655.3	668.0	680.8	685.6	690.5	718.9	747.3	809.9
37.5°	633.8	631.9	627.9	624.0	629.9	635.8	639.7	643.6	666.1	688.6	749.2
40°	594.7	598.6	592.7	586.9	586.9	586.9	587.8	588.8	604.5	620.1	669.0
42.5°	559.5	551.6	545.8	539.9	539.9	539.9	539.9	539.9	565.3	590.8	637.7
45°	508.6	500.8	493.9	487.1	490.0	493.0	492.0	491.0	512.5	534.0	569.3
47.5°	453.8	457.8	449.9	442.1	446.0	449.9	443.1	436.2	458.7	481.2	519.4
50°	399.1	399.1	390.3	381.5	384.4	387.3	386.4	385.4	403.0	420.6	449.9
52.5°	340.4	342.3	336.5	330.6	333.5	336.5	330.6	324.7	341.4	358.0	383.4
55°	281.7	285.6	280.7	275.8	277.8	279.7	276.8	273.9	285.6	297.3	316.9
57.5°	223.0	223.0	224.0	225.0	225.9	226.9	225.0	223.0	233.8	244.5	255.3
60°	152.6	156.5	160.4	164.3	172.1	180.0	178.0	176.1	182.9	189.8	199.5
62.5°	125.2	125.2	124.2	123.2	125.2	127.2	133.0	138.9	143.8	148.7	152.6
65°	101.7	101.7	100.7	99.8	101.7	103.7	103.7	103.7	108.6	113.5	117.4
67.5°	86.1	86.1	85.1	84.1	83.1	82.2	82.2	82.2	86.1	90.0	90.0
70°	70.4	72.4	71.4	70.4	70.4	70.4	68.5	66.5	66.5	66.5	69.4
72.5°	60.6	60.6	59.7	58.7	58.7	58.7	55.8	52.8	52.8	52.8	54.8
75°	50.9	50.9	49.9	48.9	47.9	46.9	45.0	43.0	42.1	41.1	41.1
77.5°	43.0	43.0	42.1	41.1	41.1	41.1	39.1	37.2	35.2	33.3	31.3
80°	37.2	37.2	36.2	35.2	35.2	35.2	33.3	31.3	29.3	27.4	24.5
82.5°	33.3	33.3	32.3	31.3	30.3	29.3	27.4	25.4	24.5	23.5	20.5
85°	31.3	29.3	29.3	29.3	28.4	27.4	25.4	23.5	21.5	19.6	17.6
87.5°	27.4	27.4	27.4	27.4	26.4	25.4	23.5	21.5	20.5	19.6	16.6
90°	27.4	27.4	26.4	25.4	24.5	23.5	22.5	21.5	19.6	17.6	15.6
92.5°	25.4	25.4	25.4	25.4	24.5	23.5	22.5	21.5	19.6	17.6	15.6
95°	25.4	25.4	24.5	23.5	23.5	23.5	21.5	19.6	18.6	17.6	15.6
97.5°	23.5	23.5	22.5	21.5	21.5	21.5	20.5	19.6	17.6	15.6	13.7
100°	21.5	21.5	21.5	21.5	20.5	19.6	18.6	17.6	16.6	15.6	13.7
102.5°	19.6	19.6	19.6	19.6	18.6	17.6	16.6	15.6	14.7	13.7	11.7
105°	17.6	17.6	17.6	17.6	17.6	17.6	16.6	15.6	14.7	13.7	11.7
107.5°	17.6	17.6	16.6	15.6	15.6	15.6	14.7	13.7	12.7	11.7	10.8
110°	15.6	15.6	15.6	15.6	14.7	13.7	12.7	11.7	10.8	9.8	8.8



REPORT NUMBER: P394786

CATALOG NUMBER: 303-B2-LEDB4-4000-UNV-T5X-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	13.7	13.7	13.7	13.7	12.7	11.7	11.7	11.7	10.8	9.8	8.8
115°	11.7	11.7	11.7	11.7	11.7	11.7	10.8	9.8	8.8	7.8	6.8
117.5°	11.7	11.7	10.8	9.8	9.8	9.8	8.8	7.8	7.8	7.8	6.8
120°	9.8	9.8	9.8	9.8	8.8	7.8	7.8	7.8	6.8	5.9	5.9
122.5°	7.8	7.8	7.8	7.8	7.8	7.8	6.8	5.9	5.9	5.9	4.9
125°	7.8	7.8	7.8	7.8	6.8	5.9	5.9	5.9	5.9	5.9	4.9
127.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	4.9	3.9	3.9
130°	5.9	5.9	5.9	5.9	4.9	3.9	3.9	3.9	3.9	3.9	3.9
132.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.9
135°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.9	2.0	2.0
137.5°	2.0	2.0	2.9	3.9	2.9	2.0	2.0	2.0	2.0	2.0	2.0
140°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	0.0	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	0.0	0.0	0.0	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0	2.0	2.0
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





REPORT NUMBER: P394786

CATALOG NUMBER: 303-B2-LEDB4-4000-UNV-T5X-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0	1385.0
2.5°	1639.3	1627.6	1615.8	1517.0	1418.2	1397.7	1377.2	1361.5
5°	1447.6	1413.4	1379.1	1459.3	1539.5	1458.4	1377.2	1377.2
7.5°	1295.0	1322.4	1349.8	1390.9	1431.9	1404.6	1377.2	1345.9
10°	1193.3	1255.9	1318.5	1363.5	1408.5	1376.2	1343.9	1338.0
12.5°	1097.4	1171.8	1246.1	1322.4	1398.7	1371.3	1343.9	1330.2
15°	1126.8	1136.6	1146.3	1259.8	1373.3	1360.5	1347.8	1306.7
17.5°	1158.1	1146.3	1134.6	1247.1	1359.6	1345.9	1332.2	1302.8
20°	1136.6	1138.5	1140.5	1227.5	1314.6	1319.5	1324.4	1271.5
22.5°	1087.6	1134.6	1181.5	1221.6	1261.8	1278.4	1295.0	1279.4
25°	1025.1	1091.6	1158.1	1178.6	1199.2	1238.3	1277.4	1271.5
27.5°	987.9	1055.4	1122.9	1148.3	1173.7	1208.9	1244.1	1224.6
30°	950.7	1005.5	1060.3	1093.5	1126.8	1160.0	1193.3	1181.5
32.5°	921.4	963.4	1005.5	1062.2	1118.9	1140.5	1162.0	1150.2
35°	872.5	907.7	942.9	995.7	1048.5	1068.1	1087.6	1083.7
37.5°	809.9	846.1	882.2	937.0	991.8	1007.4	1023.1	1017.2
40°	717.9	771.7	825.5	868.6	911.6	927.2	942.9	942.9
42.5°	684.7	721.8	759.0	802.0	845.1	858.8	872.5	868.6
45°	604.5	646.5	688.6	725.8	762.9	780.5	798.1	778.6
47.5°	557.5	580.0	602.5	642.6	682.7	700.3	717.9	692.5
50°	479.3	502.7	526.2	556.5	586.9	600.6	614.2	614.2
52.5°	408.8	428.4	448.0	468.5	489.1	501.8	514.5	516.4
55°	336.5	350.2	363.9	378.5	393.2	403.0	412.8	403.0
57.5°	266.0	277.8	289.5	297.3	305.2	311.0	316.9	309.1
60°	209.3	214.2	219.1	225.0	230.8	235.7	240.6	234.7
62.5°	156.5	162.4	168.2	170.2	172.1	174.1	176.1	172.1
65°	121.3	123.2	125.2	128.1	131.1	135.0	138.9	133.0
67.5°	90.0	93.9	97.8	101.7	105.6	107.6	109.5	105.6
70°	72.4	75.3	78.2	80.2	82.2	84.1	86.1	78.2
72.5°	56.7	58.7	60.6	61.6	62.6	63.6	64.6	58.7
75°	41.1	43.0	45.0	45.0	45.0	45.0	45.0	43.0
77.5°	29.3	30.3	31.3	31.3	31.3	30.3	29.3	27.4
80°	21.5	20.5	19.6	19.6	19.6	18.6	17.6	15.6
82.5°	17.6	15.6	13.7	12.7	11.7	8.8	5.9	3.9
85°	15.6	13.7	11.7	8.8	5.9	3.9	2.0	0.0
87.5°	13.7	11.7	9.8	6.8	3.9	2.0	0.0	0.0
90°	13.7	11.7	9.8	6.8	3.9	2.0	0.0	0.0
92.5°	13.7	11.7	9.8	6.8	3.9	2.0	0.0	0.0
95°	13.7	11.7	9.8	6.8	3.9	2.0	0.0	0.0
97.5°	11.7	9.8	7.8	5.9	3.9	2.0	0.0	0.0
100°	11.7	9.8	7.8	5.9	3.9	2.0	0.0	0.0
102.5°	9.8	8.8	7.8	5.9	3.9	2.0	0.0	0.0
105°	9.8	8.8	7.8	5.9	3.9	2.0	0.0	0.0
107.5°	9.8	7.8	5.9	4.9	3.9	2.0	0.0	0.0
110°	7.8	6.8	5.9	3.9	2.0	1.0	0.0	0.0



REPORT NUMBER: P394786

CATALOG NUMBER: 303-B2-LEDB4-4000-UNV-T5X-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	7.8	6.8	5.9	3.9	2.0	1.0	0.0	0.0
115°	5.9	4.9	3.9	2.9	2.0	1.0	0.0	0.0
117.5°	5.9	4.9	3.9	2.9	2.0	1.0	0.0	0.0
120°	5.9	4.9	3.9	2.9	2.0	1.0	0.0	0.0
122.5°	3.9	3.9	3.9	2.9	2.0	1.0	0.0	0.0
125°	3.9	2.9	2.0	2.0	2.0	1.0	0.0	0.0
127.5°	3.9	2.9	2.0	2.0	2.0	1.0	0.0	0.0
130°	3.9	2.9	2.0	2.0	2.0	1.0	0.0	0.0
132.5°	2.0	2.0	2.0	2.0	2.0	1.0	0.0	0.0
135°	2.0	2.0	2.0	2.0	2.0	1.0	0.0	0.0
137.5°	2.0	2.0	2.0	2.0	2.0	1.0	0.0	0.0
140°	2.0	2.0	2.0	2.0	2.0	1.0	0.0	0.0
142.5°	2.0	2.0	2.0	2.0	2.0	1.0	0.0	0.0
145°	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0
147.5°	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0
150°	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0
152.5°	2.0	2.0	2.0	1.0	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
157.5°	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
162.5°	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
167.5°	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
172.5°	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
177.5°	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

(END OF REPORT)