

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: INVUE

Report Number: P253170

Luminaire Tested: **LXS-B3-LED-D1-T2-A**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P253170
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-B3-LED-D1-T2-A
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 4000K LEDS AND TYPE II OPTIC, GRAPHITE METALLIC PAINTED FINISH,
ARM MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7270 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B3 - U0 - G3

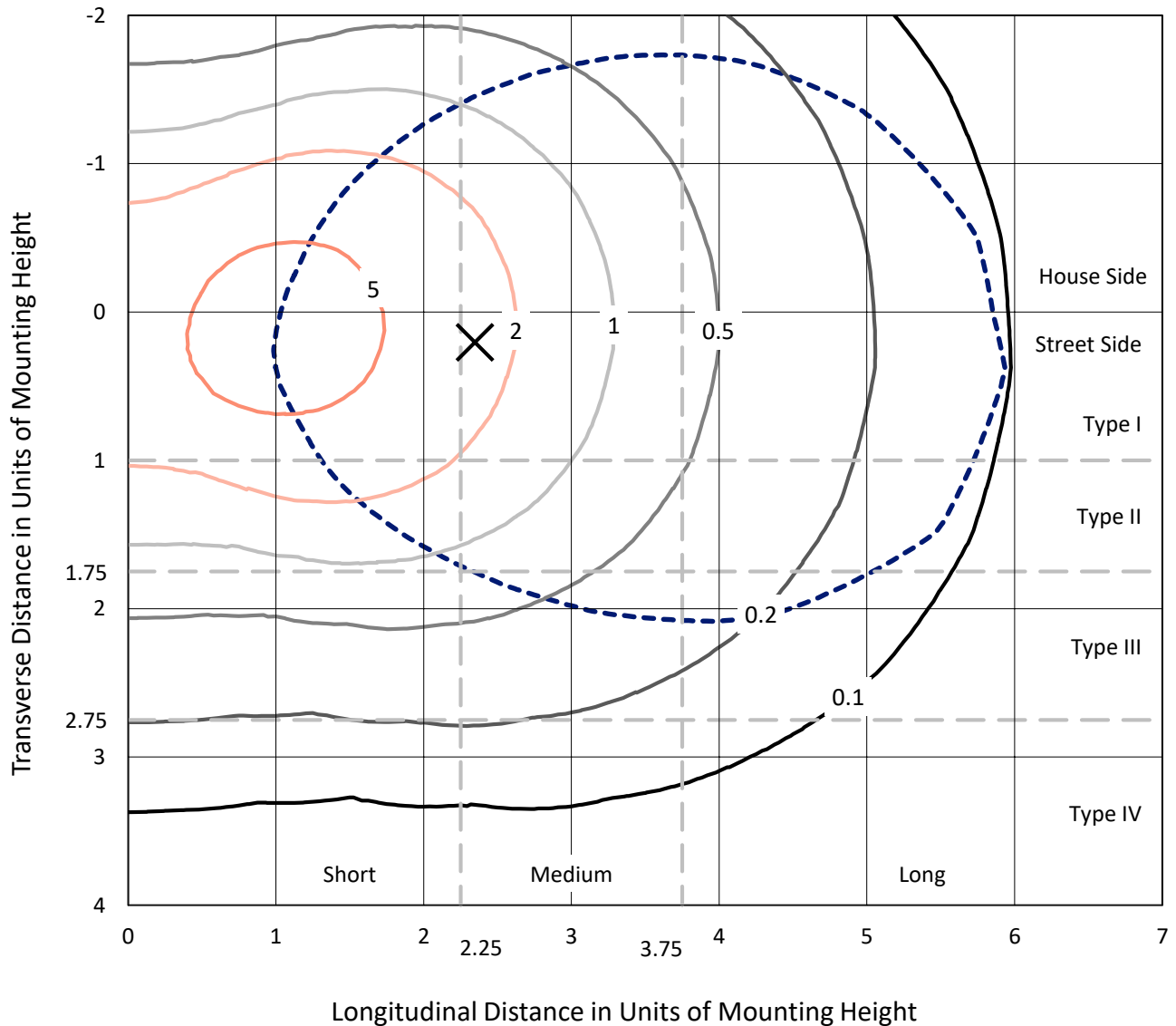
Input Watts (W): 99
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

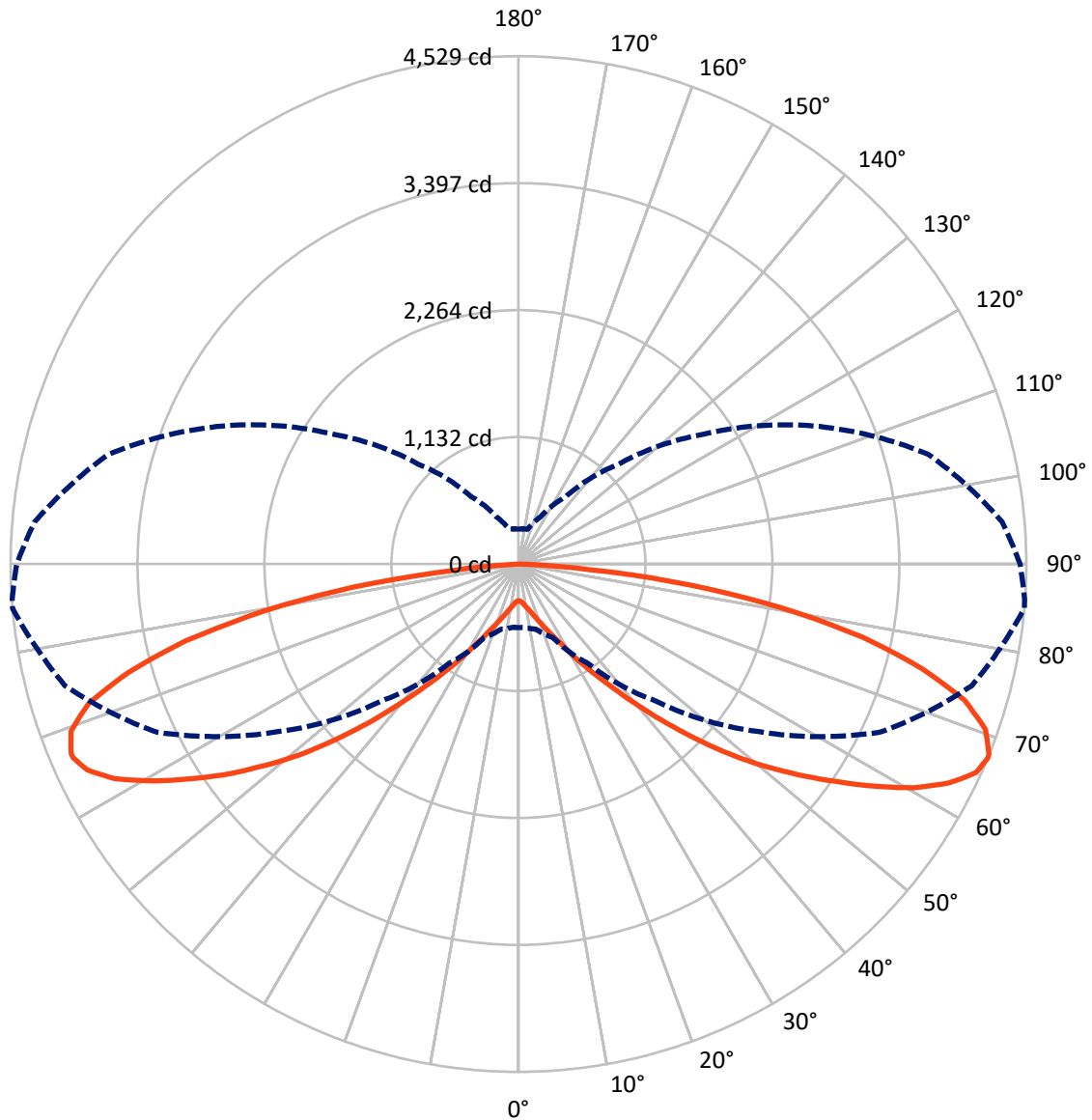
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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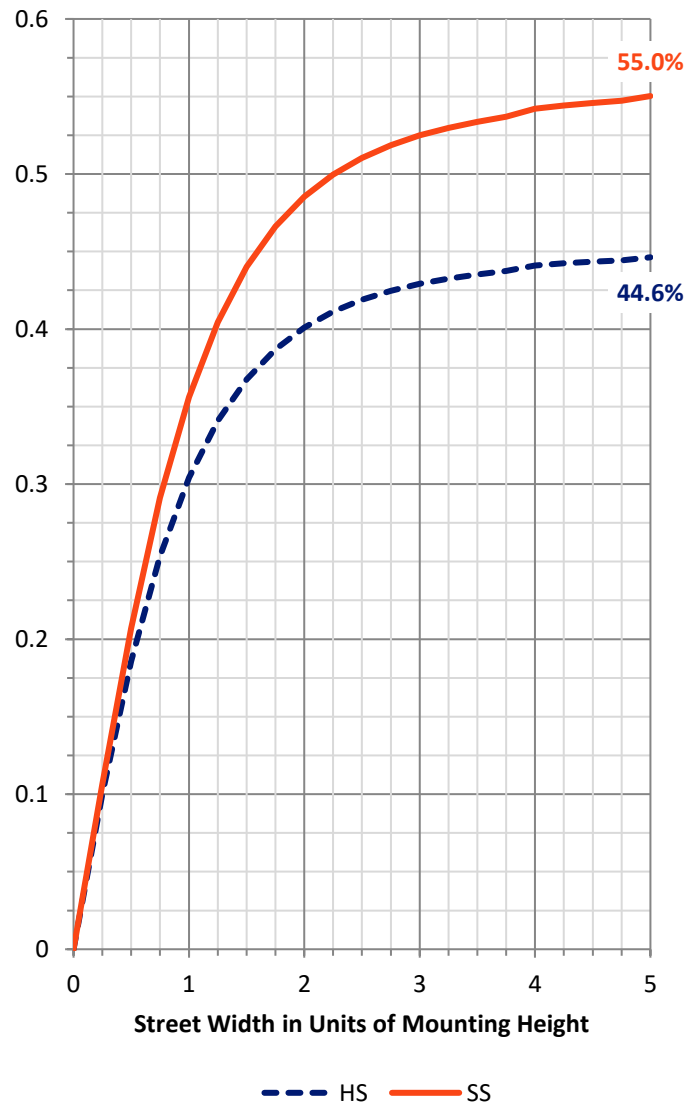
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3253.3	0.0	3253.3
	% Fixture	44.7	0.0	44.7
Street Side	Lumens	4016.7	0.0	4016.7
	% Fixture	55.3	0.0	55.3
Total	Lumens	7270.0	0.0	7270.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.5	0.5
10°-20°	118.8	1.6
20°-30°	259.3	3.6
30°-40°	510.6	7.0
40°-50°	923.2	12.7
50°-60°	1474.6	20.3
60°-70°	1935.1	26.6
70°-80°	1634.0	22.5
80°-90°	380.9	5.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	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°-90°	7270.0	100.0
0°-180°	7270.0	100.0



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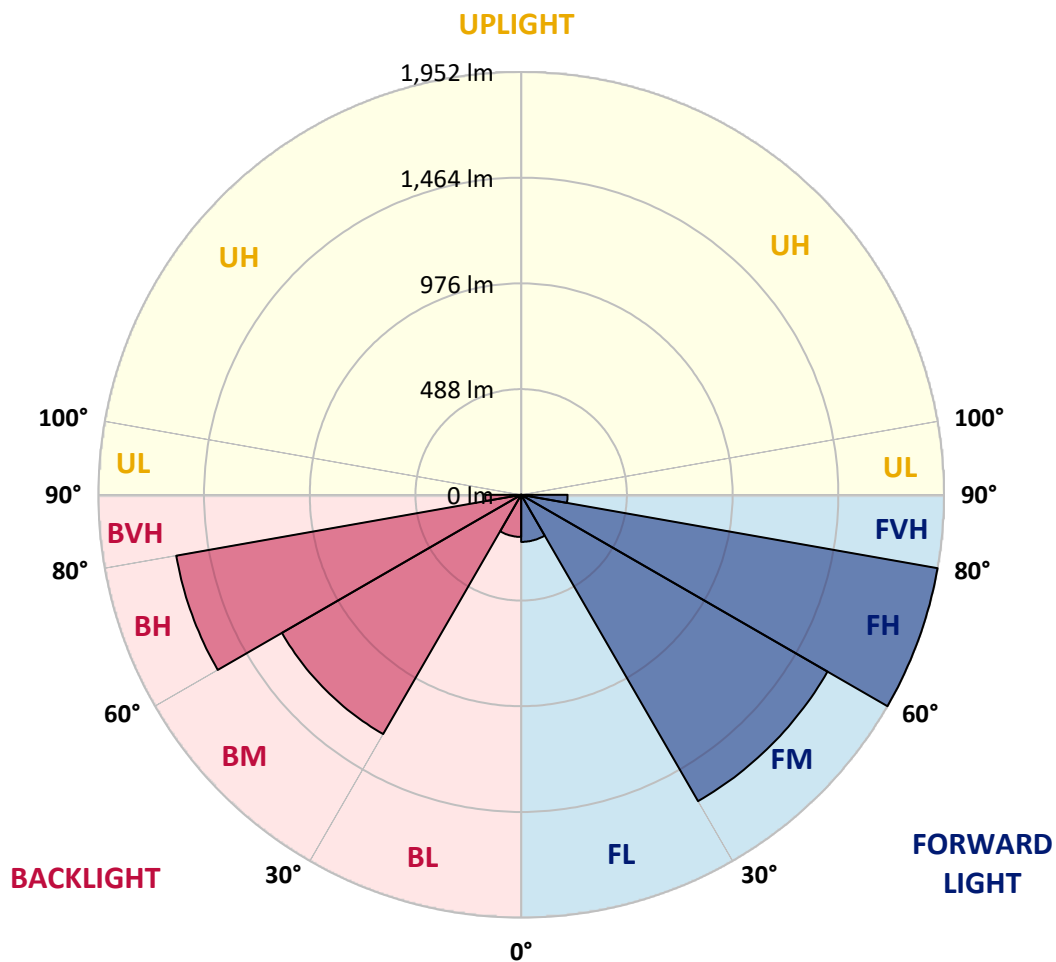
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	217.3	3.0			
FM	(30°-60°)	1633.0	22.5			
FH	(60°-80°)	1952.0	26.9			G2/5000
FVH	(80°-90°)	214.3	2.9			G2/225
BL	(0°-30°)	194.3	2.7	B1/500		
BM	(30°-60°)	1275.3	17.5	B2/2500		
BH	(60°-80°)	1617.1	22.2	B3/2500		G3/2500
BVH	(80°-90°)	166.5	2.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	86°
0°	328.2	328.2	328.2	328.2	328.2	328.2	328.2	328.2	328.2	328.2	328.2
2.5°	331.6	331.6	331.6	331.6	331.6	331.6	331.6	331.6	331.6	331.6	331.6
5°	338.5	338.5	338.5	342.0	342.0	345.4	345.4	345.4	345.4	345.4	345.4
7.5°	342.0	342.0	345.4	348.9	355.8	359.3	362.7	362.7	362.7	366.2	366.2
10°	345.4	345.4	348.9	355.8	366.2	376.5	383.4	386.9	390.4	390.4	390.4
12.5°	355.8	355.8	359.3	366.2	380.0	393.8	407.6	418.0	421.4	421.4	421.4
15°	373.1	373.1	376.5	386.9	400.7	418.0	435.3	452.5	459.4	459.4	459.4
17.5°	397.3	397.3	400.7	411.1	428.4	452.5	473.3	494.0	504.4	504.4	504.4
20°	428.4	428.4	431.8	445.6	462.9	490.5	521.6	545.8	563.1	559.6	559.6
22.5°	445.6	445.6	456.0	476.7	500.9	532.0	580.4	611.4	632.2	625.3	621.8
25°	459.4	459.4	469.8	497.4	542.4	583.8	649.4	690.9	715.1	704.7	701.3
27.5°	476.7	480.2	494.0	521.6	576.9	646.0	718.5	791.1	811.8	801.4	798.0
30°	494.0	494.0	514.7	556.2	618.4	711.6	808.3	925.8	946.5	932.7	918.9
32.5°	521.6	521.6	538.9	587.3	673.6	780.7	925.8	1050.2	1088.2	1081.3	1074.3
35°	563.1	563.1	580.4	625.3	728.9	863.6	1053.6	1195.2	1264.3	1243.6	1240.2
37.5°	576.9	580.4	604.5	666.7	777.3	967.3	1184.9	1364.5	1464.7	1440.5	1430.2
40°	587.3	590.7	614.9	690.9	829.1	1057.1	1316.2	1561.4	1682.3	1672.0	1651.2
42.5°	594.2	597.6	625.3	704.7	880.9	1133.1	1454.3	1775.6	1934.5	1941.4	1927.6
45°	594.2	597.6	635.6	722.0	918.9	1212.5	1596.0	1993.2	2210.9	2228.1	2210.9
47.5°	594.2	597.6	635.6	739.3	950.0	1295.4	1741.1	2190.1	2476.9	2528.7	2504.5
50°	614.9	618.4	652.9	756.5	1001.8	1392.2	1889.6	2394.0	2739.4	2825.8	2805.0
52.5°	614.9	621.8	659.8	773.8	1050.2	1482.0	2034.7	2608.1	2998.5	3119.4	3084.8
55°	639.1	642.5	673.6	798.0	1091.6	1568.3	2186.7	2818.9	3288.7	3419.9	3402.7
57.5°	646.0	649.4	684.0	808.3	1126.2	1665.1	2356.0	3039.9	3589.2	3737.7	3713.6
60°	632.2	635.6	677.1	801.4	1150.3	1741.1	2504.5	3261.0	3834.5	4052.1	4027.9
62.5°	614.9	618.4	656.4	787.6	1146.9	1768.7	2601.2	3433.7	4017.6	4304.3	4280.1
65°	594.2	594.2	628.7	760.0	1115.8	1758.3	2628.9	3540.8	4145.4	4483.9	4470.1
67°	566.5	566.5	601.1	722.0	1081.3	1723.8	2604.7	3551.2	4186.8	4528.8	4525.4
67.5°	556.2	559.6	590.7	715.1	1070.9	1710.0	2594.3	3544.3	4190.3	4525.4	4525.4
70°	511.3	514.7	542.4	656.4	1005.3	1623.6	2483.8	3437.2	4107.4	4418.3	4428.6
72.5°	459.4	459.4	483.6	587.3	908.5	1499.2	2318.0	3216.1	3872.5	4162.6	4173.0
75°	397.3	397.3	418.0	507.8	787.6	1319.6	2072.7	2881.0	3482.1	3713.6	3748.1
77.5°	328.2	331.6	342.0	414.5	646.0	1098.5	1741.1	2431.9	2943.2	3136.7	3153.9
80°	248.7	252.2	259.1	307.4	487.1	825.6	1330.0	1872.3	2262.7	2397.4	2414.7
82.5°	162.4	165.8	169.3	193.5	310.9	535.4	860.2	1229.8	1492.3	1554.5	1571.8
85°	69.1	69.1	72.5	82.9	131.3	217.6	355.8	504.4	625.3	642.5	642.5
87.5°	3.5	3.5	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	86°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	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	0.0
117.5°	0.0	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	0.0
122.5°	0.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	328.2	328.2	328.2	328.2	328.2	328.2	328.2	328.2	328.2	328.2	328.2
2.5°	331.6	331.6	335.1	335.1	335.1	335.1	335.1	335.1	335.1	335.1	335.1
5°	345.4	345.4	345.4	345.4	345.4	342.0	338.5	338.5	335.1	335.1	335.1
7.5°	366.2	366.2	362.7	359.3	352.4	348.9	345.4	345.4	342.0	342.0	342.0
10°	390.4	390.4	386.9	376.5	369.6	366.2	359.3	352.4	348.9	345.4	345.4
12.5°	421.4	421.4	414.5	400.7	393.8	383.4	369.6	359.3	352.4	348.9	348.9
15°	459.4	459.4	445.6	431.8	418.0	397.3	380.0	369.6	359.3	355.8	355.8
17.5°	504.4	500.9	483.6	469.8	445.6	418.0	397.3	383.4	369.6	362.7	359.3
20°	556.2	552.7	528.5	507.8	473.3	442.2	414.5	390.4	369.6	362.7	362.7
22.5°	614.9	611.4	583.8	552.7	504.4	469.8	428.4	397.3	376.5	369.6	369.6
25°	690.9	684.0	642.5	601.1	545.8	497.4	445.6	411.1	386.9	373.1	369.6
27.5°	784.2	773.8	718.5	663.3	594.2	521.6	462.9	418.0	386.9	373.1	369.6
30°	901.6	884.3	811.8	728.9	646.0	556.2	487.1	424.9	393.8	380.0	376.5
32.5°	1043.3	1019.1	925.8	808.3	701.3	597.6	500.9	438.7	400.7	380.0	380.0
35°	1205.6	1171.1	1053.6	908.5	763.4	639.1	525.1	449.1	400.7	380.0	376.5
37.5°	1392.2	1347.2	1202.2	1026.0	839.4	677.1	549.3	456.0	404.2	386.9	383.4
40°	1613.2	1554.5	1368.0	1157.2	932.7	725.4	573.4	469.8	414.5	390.4	386.9
42.5°	1872.3	1799.8	1558.0	1298.9	1032.9	784.2	597.6	483.6	414.5	386.9	386.9
45°	2152.1	2069.2	1768.7	1450.9	1136.5	846.3	625.3	490.5	418.0	393.8	390.4
47.5°	2449.2	2359.4	2003.6	1616.7	1240.2	901.6	656.4	497.4	424.9	393.8	390.4
50°	2753.2	2656.5	2255.8	1799.8	1354.2	963.8	677.1	507.8	421.4	390.4	386.9
52.5°	3060.7	2939.8	2539.0	2010.5	1485.4	1029.4	697.8	514.7	421.4	390.4	386.9
55°	3375.0	3240.3	2822.3	2210.9	1616.7	1102.0	725.4	514.7	421.4	386.9	383.4
57.5°	3679.0	3520.1	3091.8	2421.6	1741.1	1160.7	746.2	518.2	414.5	376.5	373.1
60°	3972.6	3810.3	3347.4	2615.0	1848.1	1202.2	753.1	514.7	404.2	369.6	366.2
62.5°	4231.7	4076.3	3558.1	2770.5	1934.5	1240.2	753.1	500.9	386.9	355.8	352.4
65°	4411.4	4262.8	3720.5	2877.6	1996.7	1260.9	746.2	483.6	359.3	335.1	331.6
67°	4473.5	4328.5	3782.6	2912.1	2017.4	1257.4	732.3	462.9	321.3	314.4	310.9
67.5°	4477.0	4331.9	3786.1	2915.6	2017.4	1254.0	725.4	459.4	307.4	307.4	307.4
70°	4397.5	4259.4	3734.3	2870.7	1976.0	1205.6	680.5	428.4	259.1	272.9	279.8
72.5°	4148.8	4031.4	3533.9	2725.6	1862.0	1122.7	621.8	376.5	217.6	241.8	248.7
75°	3713.6	3603.0	3153.9	2449.2	1668.5	998.3	545.8	307.4	172.7	207.3	210.7
77.5°	3109.0	3039.9	2656.5	2079.6	1395.6	829.1	442.2	224.5	134.7	165.8	172.7
80°	2359.4	2311.0	2017.4	1589.1	1046.7	614.9	300.5	141.6	100.2	124.4	127.8
82.5°	1509.6	1485.4	1292.0	1012.2	625.3	352.4	148.5	65.6	55.3	76.0	79.5
85°	594.2	563.1	476.7	355.8	203.8	96.7	31.1	17.3	20.7	13.8	10.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P253170

CATALOG NUMBER: LXS-B3-LED-D1-T2-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	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	0.0
117.5°	0.0	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	0.0
122.5°	0.0	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

(END OF REPORT)