

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: P253187

Luminaire Tested: **LXS-B2-LED-D1-T4-A**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P253187
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-3)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-B2-LED-D1-T4-A
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 4000K LEDS AND TYPE IV OPTIC, GRAPHITE METALLIC PAINTED FINISH,
ARM MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4977 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

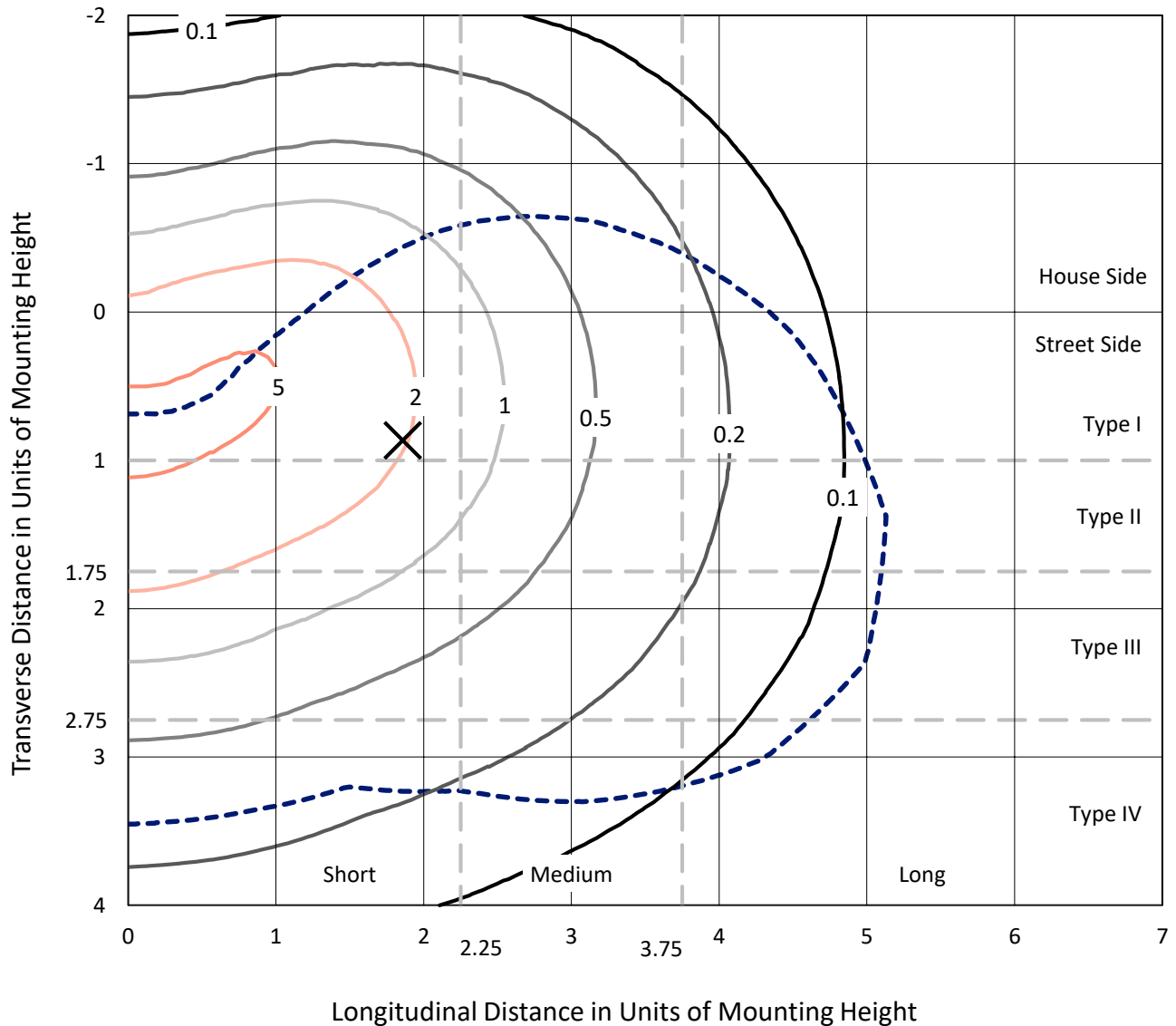
Input Watts (W): 48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P253187
 CATALOG NUMBER: LXS-B2-LED-D1-T4-A

Iso-Footcandle Lines of Horizontal Illumination

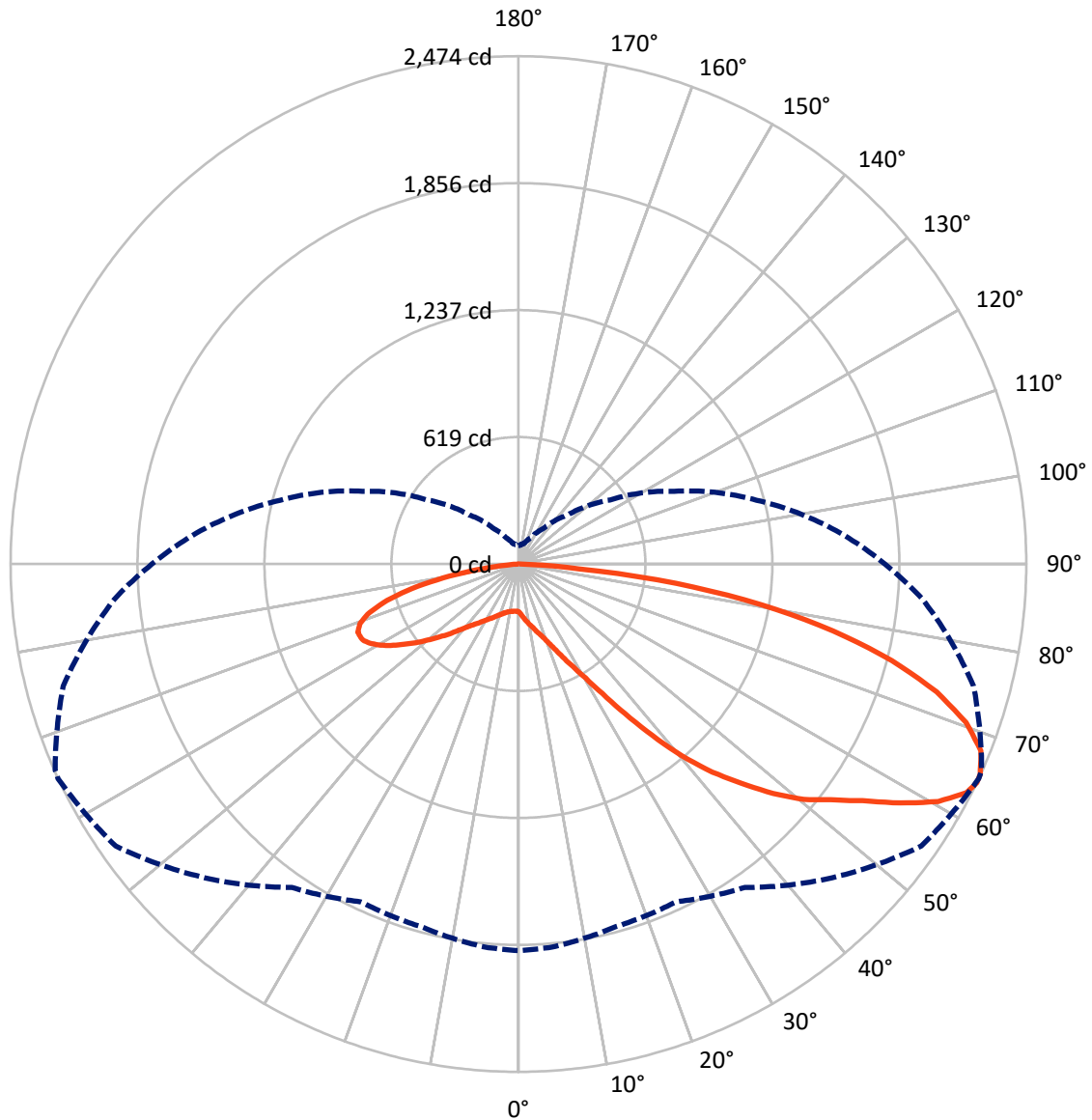
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P253187
CATALOG NUMBER: LXS-B2-LED-D1-T4-A

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

REPORT NUMBER: P253187

CATALOG NUMBER: LXS-B2-LED-D1-T4-A

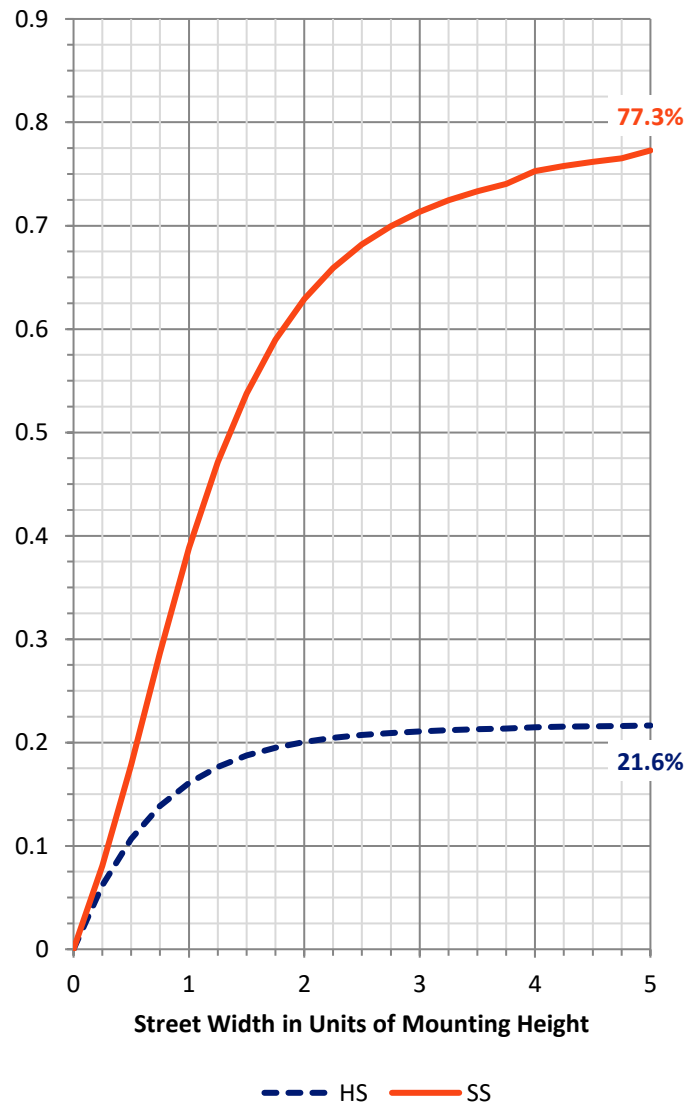
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1080.7	0.0	1080.7
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3896.3	0.0	3896.3
	% Fixture	78.3	0.0	78.3
Total	Lumens	4977.0	0.0	4977.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.0	0.5
10°-20°	83.2	1.7
20°-30°	184.3	3.7
30°-40°	408.7	8.2
40°-50°	724.8	14.6
50°-60°	1059.2	21.3
60°-70°	1281.6	25.8
70°-80°	987.6	19.8
80°-90°	223.6	4.5
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°	4977.0	100.0
0°-180°	4977.0	100.0

Coefficient of Utilization



REPORT NUMBER: P253187

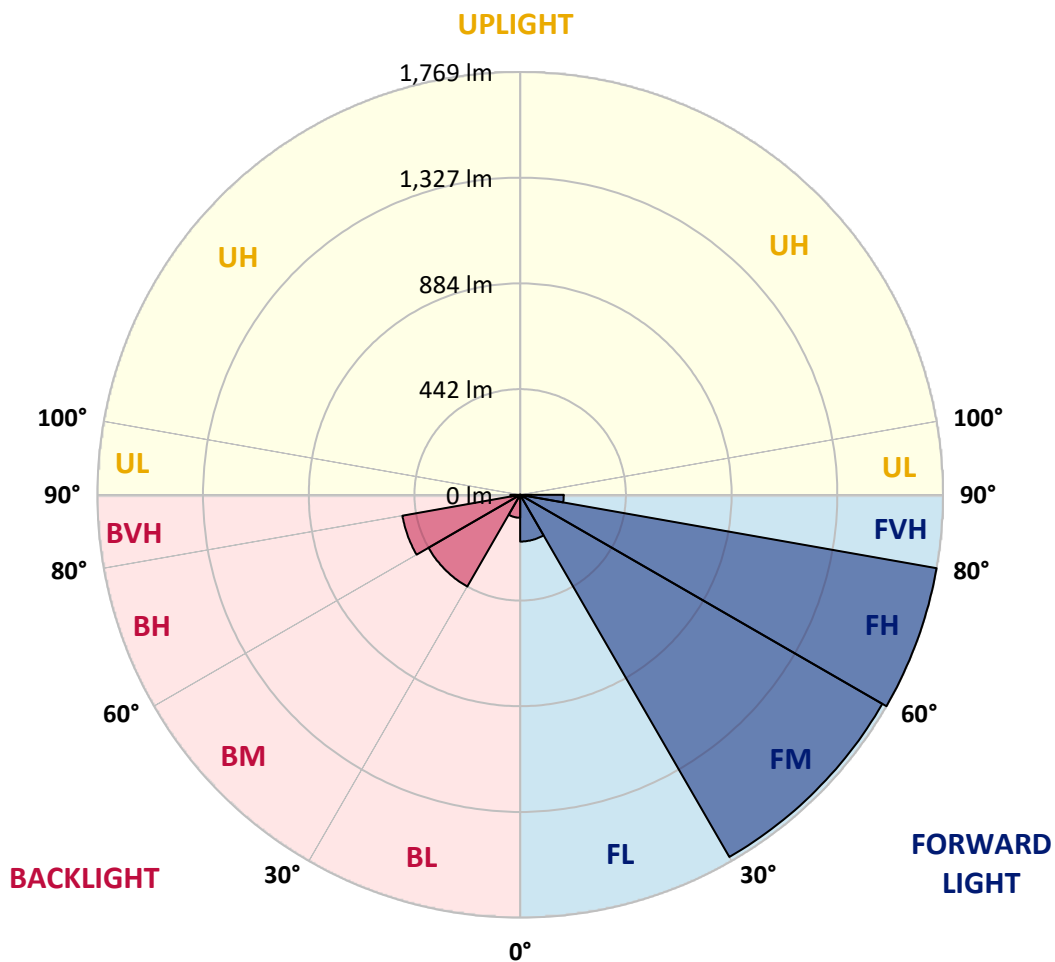
CATALOG NUMBER: LXS-B2-LED-D1-T4-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	195.5	3.9			
FM (30°-60°)	1749.5	35.2			
FH (60°-80°)	1768.9	35.5			G1/1800
FVH (80°-90°)	182.4	3.7			G2/225
BL (0°-30°)	96.1	1.9	B0/110		
BM (30°-60°)	443.2	8.9	B1/1000		
BH (60°-80°)	500.3	10.1	B2/1000		G2/1000
BVH (80°-90°)	41.2	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short





REPORT NUMBER: P253187

CATALOG NUMBER: LXS-B2-LED-D1-T4-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	232.3	232.3	232.3	232.3	232.3	232.3	232.3	232.3	232.3	232.3	232.3
2.5°	261.1	261.1	259.1	259.1	257.2	253.4	251.5	245.7	245.7	241.9	238.0
5°	282.2	282.2	282.2	280.3	278.3	274.5	270.7	263.0	263.0	255.3	249.5
7.5°	301.4	301.4	299.4	299.4	295.6	293.7	289.9	280.3	280.3	270.7	259.1
10°	328.2	326.3	324.4	322.5	318.6	312.9	309.0	299.4	297.5	286.0	272.6
12.5°	353.2	353.2	353.2	351.3	347.4	339.8	330.2	318.6	318.6	303.3	286.0
15°	382.0	380.1	380.1	378.1	376.2	370.5	357.0	343.6	341.7	326.3	303.3
17.5°	426.1	424.2	420.4	412.7	406.9	403.1	391.6	368.6	368.6	351.3	326.3
20°	479.9	478.0	472.2	464.5	451.1	439.6	430.0	403.1	399.3	380.1	349.4
22.5°	549.0	545.2	537.5	527.9	516.4	491.4	474.1	447.3	439.6	412.7	378.1
25°	645.0	641.1	625.8	597.0	577.8	562.4	527.9	501.0	493.3	453.0	412.7
27.5°	727.5	725.6	717.9	700.6	660.3	639.2	598.9	566.3	558.6	504.8	453.0
30°	852.3	846.5	827.3	806.2	787.0	740.9	702.6	645.0	637.3	572.0	504.8
32.5°	1074.9	1063.4	1028.9	965.5	934.8	881.1	838.8	752.5	739.0	662.2	570.1
35°	1347.5	1334.1	1270.7	1178.6	1090.3	1051.9	979.0	894.5	871.5	775.5	648.8
37.5°	1478.0	1470.4	1426.2	1343.7	1259.2	1201.6	1138.3	1059.6	1032.7	909.9	740.9
40°	1562.5	1560.6	1524.1	1458.9	1403.2	1337.9	1303.4	1230.4	1203.6	1059.6	856.1
42.5°	1618.2	1616.3	1595.1	1537.6	1514.5	1470.4	1451.2	1385.9	1364.8	1215.1	980.9
45°	1633.5	1627.8	1618.2	1614.3	1585.5	1593.2	1593.2	1524.1	1510.7	1368.6	1119.1
47.5°	1687.3	1681.5	1641.2	1631.6	1648.9	1700.7	1718.0	1670.0	1660.4	1510.7	1245.8
50°	1683.4	1683.4	1685.4	1645.0	1714.2	1769.8	1814.0	1802.5	1794.8	1641.2	1380.2
52.5°	1712.2	1706.5	1679.6	1700.7	1733.3	1827.4	1904.2	1908.0	1909.9	1766.0	1503.0
55°	1908.0	1908.0	1848.5	1796.7	1844.7	1963.7	2053.9	2034.7	2030.9	1894.6	1622.0
57.5°	1992.5	1984.8	1940.7	1885.0	1959.9	2107.7	2220.9	2196.0	2184.4	2029.0	1735.3
60°	1959.9	1948.3	1925.3	1900.3	1996.3	2172.9	2339.9	2349.5	2339.9	2151.8	1844.7
62.5°	1933.0	1923.4	1867.7	1867.7	1963.7	2182.5	2391.8	2451.3	2441.7	2251.6	1936.8
64°	1883.1	1873.5	1829.3	1815.9	1923.4	2161.4	2395.6	2474.3	2470.5	2295.8	1977.1
65°	1817.8	1815.9	1790.9	1773.7	1892.7	2138.4	2384.1	2472.4	2472.4	2313.0	1990.6
67.5°	1647.0	1637.4	1666.2	1662.3	1800.5	2059.7	2315.0	2430.1	2428.2	2305.4	1986.7
70°	1483.8	1476.1	1501.1	1528.0	1675.8	1927.2	2192.1	2313.0	2311.1	2217.1	1921.5
72.5°	1320.6	1330.2	1336.0	1366.7	1501.1	1748.7	2005.9	2130.7	2126.9	2050.1	1790.9
75°	1165.2	1153.6	1159.4	1172.8	1301.5	1529.9	1766.0	1879.2	1877.3	1812.0	1585.5
77.5°	967.4	961.7	963.6	961.7	1084.5	1276.5	1470.4	1568.3	1566.3	1504.9	1305.3
80°	756.3	742.9	744.8	735.2	838.8	986.6	1130.6	1199.7	1188.2	1140.2	971.3
82.5°	524.0	508.7	504.8	493.3	575.9	669.9	748.6	775.5	762.1	717.9	593.1
85°	226.5	205.4	234.2	234.2	259.1	282.2	299.4	293.7	286.0	266.8	199.6
87.5°	0.0	0.0	0.0	0.0	1.9	0.0	1.9	1.9	1.9	1.9	1.9
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: P253187

CATALOG NUMBER: LXS-B2-LED-D1-T4-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
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



REPORT NUMBER: P253187

CATALOG NUMBER: LXS-B2-LED-D1-T4-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	232.3	232.3	232.3	232.3	232.3	232.3	232.3	232.3	232.3	232.3	232.3
2.5°	238.0	236.1	232.3	230.3	228.4	226.5	224.6	222.7	222.7	222.7	220.7
5°	245.7	241.9	236.1	230.3	226.5	220.7	216.9	213.1	211.1	209.2	209.2
7.5°	253.4	249.5	239.9	232.3	222.7	215.0	207.3	203.5	199.6	197.7	197.7
10°	264.9	259.1	245.7	234.2	220.7	211.1	201.6	195.8	192.0	192.0	190.0
12.5°	276.4	268.7	255.3	238.0	220.7	209.2	199.6	192.0	186.2	184.3	184.3
15°	293.7	284.1	264.9	243.8	224.6	209.2	195.8	184.3	178.5	174.7	174.7
17.5°	311.0	299.4	276.4	251.5	230.3	209.2	192.0	180.4	172.8	168.9	168.9
20°	332.1	318.6	289.9	261.1	236.1	209.2	190.0	176.6	167.0	163.2	163.2
22.5°	357.0	339.8	305.2	270.7	239.9	211.1	190.0	172.8	161.2	155.5	155.5
25°	385.8	364.7	322.5	284.1	245.7	215.0	188.1	167.0	155.5	149.7	149.7
27.5°	420.4	397.3	341.7	297.5	253.4	218.8	186.2	165.1	151.6	144.0	144.0
30°	460.7	431.9	366.6	312.9	263.0	220.7	188.1	163.2	147.8	140.1	138.2
32.5°	514.4	476.0	395.4	330.2	274.5	224.6	188.1	159.3	144.0	136.3	136.3
35°	579.7	529.8	430.0	349.4	284.1	230.3	188.1	159.3	140.1	132.4	130.5
37.5°	660.3	593.1	472.2	372.4	297.5	236.1	188.1	157.4	136.3	128.6	126.7
40°	756.3	669.9	518.3	399.3	311.0	241.9	192.0	155.5	136.3	126.7	126.7
42.5°	863.8	762.1	575.9	433.8	330.2	251.5	193.9	155.5	134.4	122.9	122.9
45°	980.9	863.8	643.0	476.0	353.2	261.1	195.8	157.4	130.5	120.9	119.0
47.5°	1109.5	971.3	717.9	518.3	374.3	272.6	199.6	155.5	128.6	119.0	117.1
50°	1228.5	1084.5	800.4	566.3	399.3	282.2	203.5	153.6	126.7	117.1	115.2
52.5°	1343.7	1194.0	884.9	618.1	426.1	295.6	207.3	153.6	124.8	113.3	111.3
55°	1453.1	1295.7	967.4	671.8	456.9	309.0	211.1	153.6	122.9	111.3	109.4
57.5°	1552.9	1391.7	1044.2	727.5	489.5	322.5	213.1	151.6	120.9	107.5	105.6
60°	1656.6	1485.7	1113.3	779.3	520.2	334.0	215.0	149.7	115.2	103.7	101.7
62.5°	1744.9	1564.4	1172.8	821.6	537.5	337.8	213.1	144.0	109.4	96.0	94.1
64°	1785.2	1595.1	1201.6	838.8	545.2	337.8	211.1	140.1	103.7	92.1	90.2
65°	1800.5	1610.5	1213.2	846.5	549.0	337.8	207.3	138.2	99.8	90.2	88.3
67.5°	1806.3	1616.3	1220.8	850.4	545.2	330.2	197.7	128.6	84.5	80.6	78.7
70°	1752.5	1568.3	1184.4	823.5	522.1	311.0	184.3	115.2	71.0	67.2	69.1
72.5°	1631.6	1460.8	1105.7	762.1	479.9	282.2	163.2	99.8	59.5	57.6	59.5
75°	1435.8	1282.3	969.4	664.2	416.5	243.8	138.2	78.7	46.1	48.0	49.9
77.5°	1190.1	1057.7	785.1	533.6	330.2	190.0	105.6	53.7	34.6	38.4	38.4
80°	871.5	767.8	562.4	372.4	228.4	126.7	65.3	32.6	23.0	26.9	26.9
82.5°	520.2	447.3	318.6	207.3	122.9	61.4	28.8	13.4	11.5	15.4	15.4
85°	184.3	151.6	97.9	57.6	30.7	13.4	5.8	1.9	1.9	0.0	0.0
87.5°	1.9	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: P253187

CATALOG NUMBER: LXS-B2-LED-D1-T4-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)