

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: P253176

Luminaire Tested: **LXS-B3-LED-D1-T3-A-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P253176
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-22)
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-T3-A-7030
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 3000K LEDS AND TYPE III OPTIC, GRAPHITE METALLIC PAINTED FINISH,
ARM MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8022 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G3

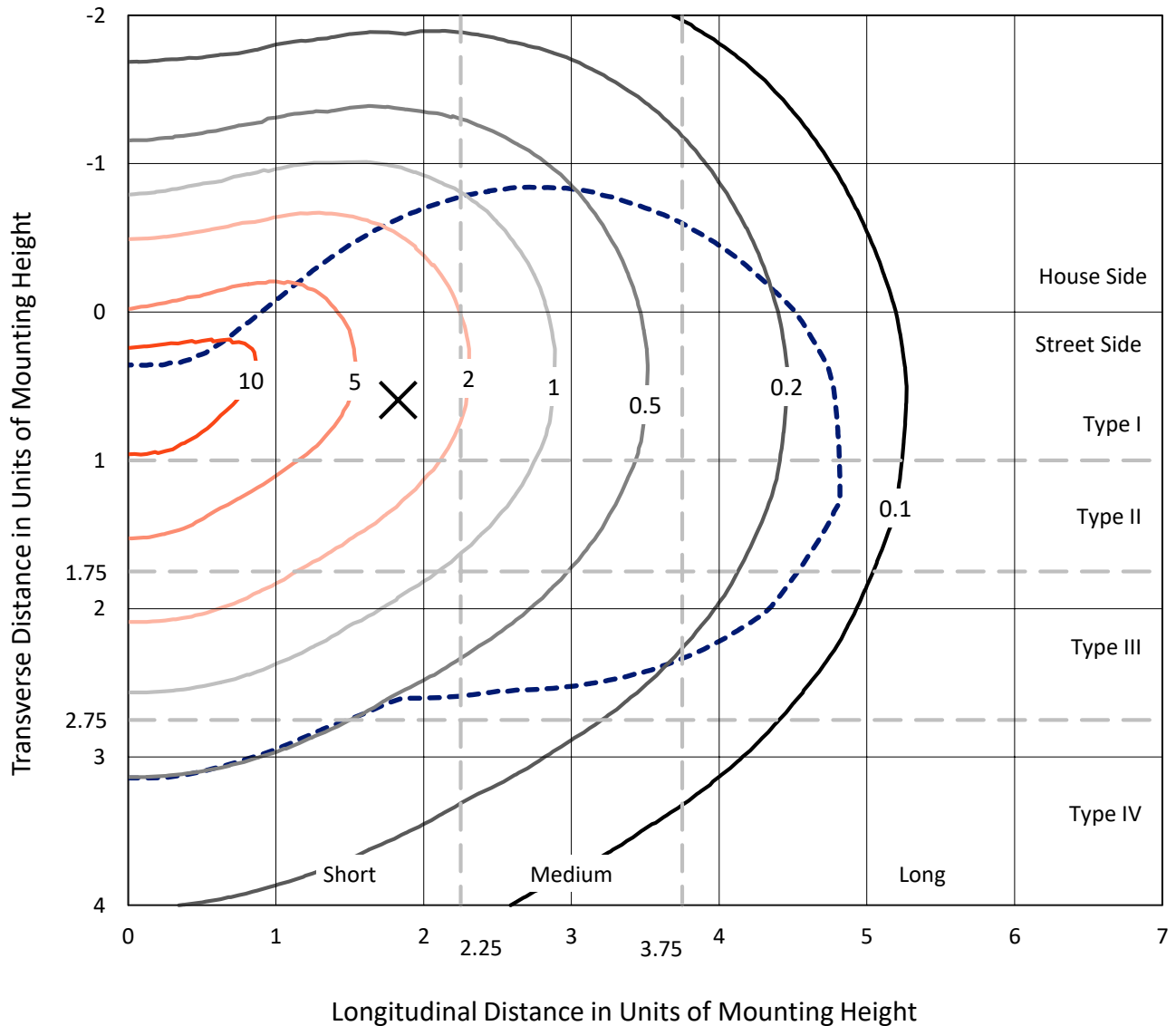
Input Watts (W): 99
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

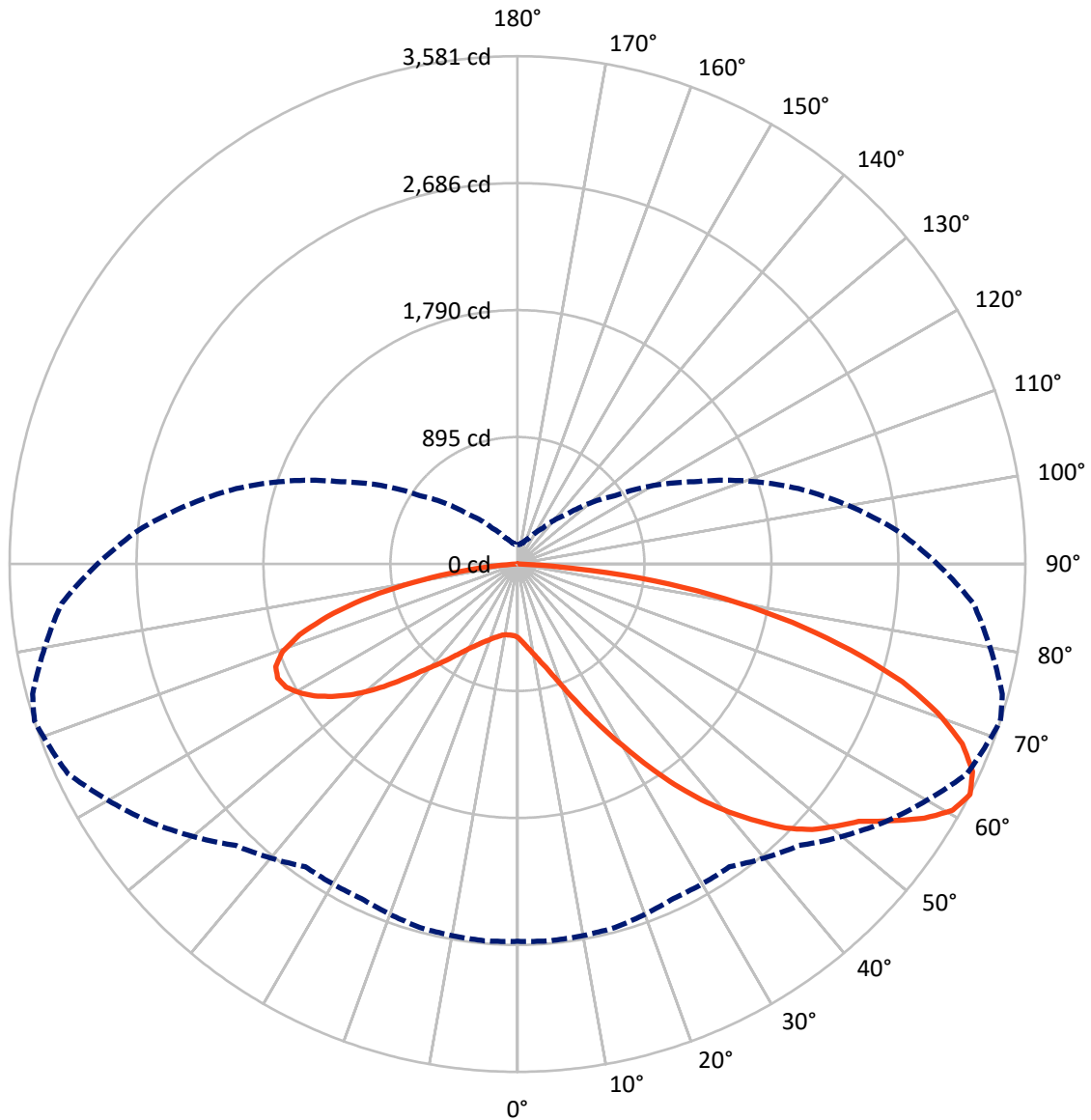
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.5 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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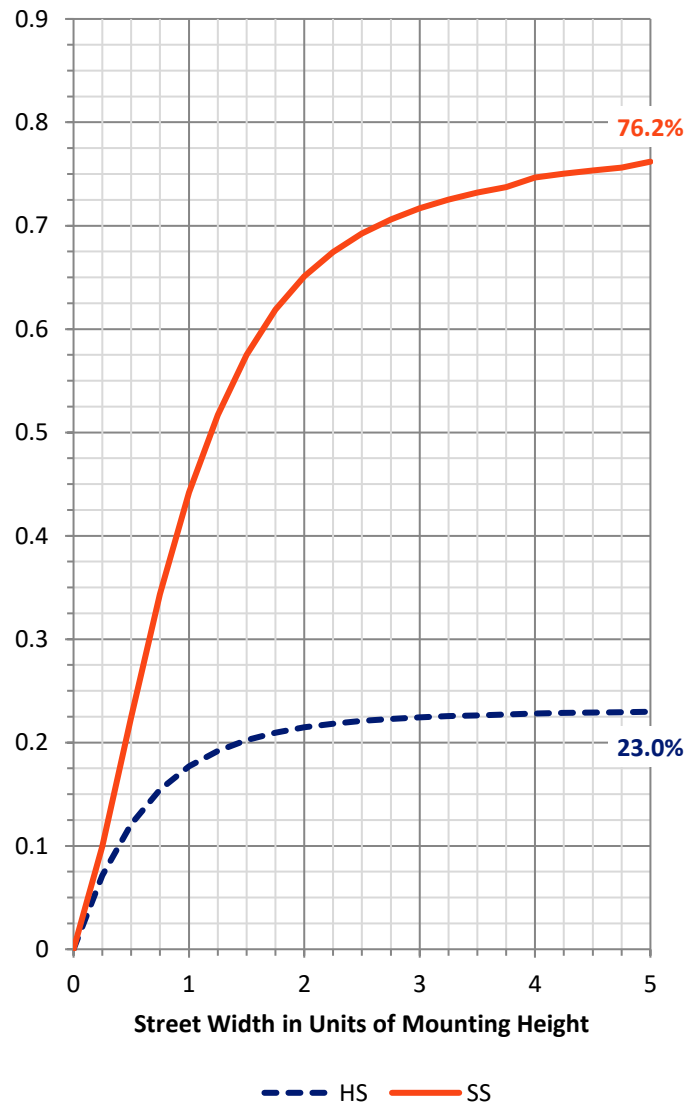
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1850.5	0.0	1850.5
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	6171.5	0.0	6171.5
	% Fixture	76.9	0.0	76.9
Total	Lumens	8022.0	0.0	8022.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.6	0.7
10°-20°	209.1	2.6
20°-30°	483.8	6.0
30°-40°	859.1	10.7
40°-50°	1262.4	15.7
50°-60°	1691.4	21.1
60°-70°	1842.0	23.0
70°-80°	1321.2	16.5
80°-90°	299.3	3.7
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°	8022.0	100.0
0°-180°	8022.0	100.0



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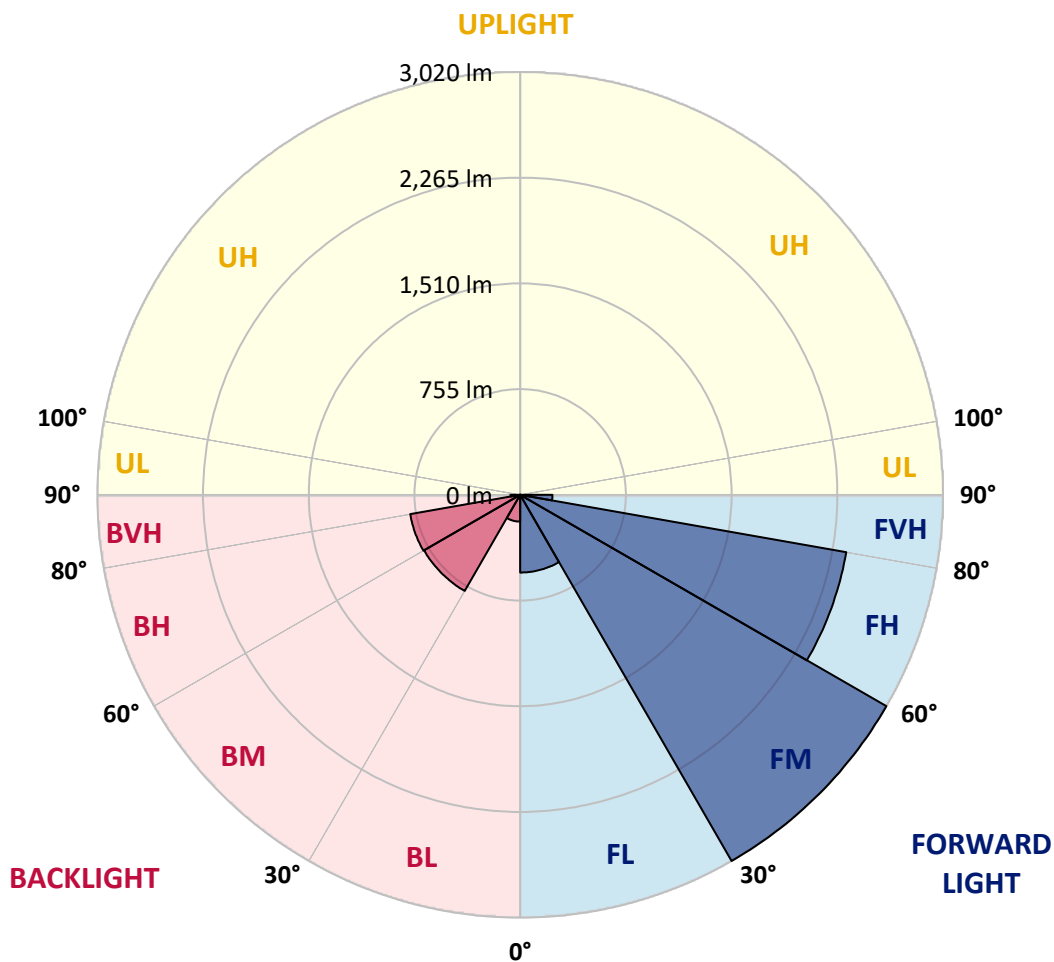
CATALOG NUMBER: LXS-B3-LED-D1-T3-A-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	555.1	6.9			
FM	(30°-60°)	3020.3	37.7			
FH	(60°-80°)	2365.4	29.5			G2/5000
FVH	(80°-90°)	230.6	2.9			G3/500
BL	(0°-30°)	191.4	2.4	B1/500		
BM	(30°-60°)	792.7	9.9	B1/1000		
BH	(60°-80°)	797.8	9.9	B2/1000		G2/1000
BVH	(80°-90°)	68.7	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	518.0	518.0	518.0	518.0	518.0	518.0	518.0	518.0	518.0	518.0	518.0
2.5°	588.3	588.3	588.3	585.1	578.7	569.1	562.7	549.9	543.5	540.3	530.7
5°	661.8	661.8	658.6	655.4	642.6	626.7	610.7	588.3	572.3	565.9	546.7
7.5°	748.2	748.2	741.8	729.0	713.0	690.6	661.8	629.9	607.5	597.9	565.9
10°	853.7	850.5	844.1	815.3	792.9	760.9	725.8	681.0	649.0	636.2	591.5
12.5°	981.5	984.7	968.8	940.0	901.6	850.5	796.1	741.8	700.2	681.0	620.3
15°	1202.2	1202.2	1170.2	1109.4	1048.7	965.6	888.8	808.9	757.7	735.4	658.6
17.5°	1662.6	1640.2	1582.6	1416.4	1266.1	1131.8	1016.7	901.6	834.5	799.3	703.4
20°	1873.6	1870.4	1848.0	1758.5	1563.4	1342.8	1183.0	1019.9	930.4	892.0	757.7
22.5°	1934.3	1931.1	1915.1	1886.4	1803.2	1566.6	1365.2	1167.0	1045.5	997.5	831.3
25°	2027.0	2027.0	2001.5	1947.1	1911.9	1780.9	1537.9	1333.2	1183.0	1125.4	924.0
27.5°	2087.8	2087.8	2084.6	2052.6	1982.3	1931.1	1723.3	1509.1	1336.4	1269.3	1042.3
30°	2202.9	2193.3	2180.5	2151.7	2116.6	2033.4	1927.9	1684.9	1509.1	1422.8	1170.2
32.5°	2516.2	2493.8	2394.7	2279.6	2234.9	2161.3	2107.0	1867.2	1704.1	1608.2	1320.5
35°	2714.4	2704.9	2631.3	2465.1	2340.4	2298.8	2238.1	2068.6	1908.7	1809.6	1493.1
37.5°	2778.4	2772.0	2720.8	2615.3	2465.1	2407.5	2365.9	2260.4	2110.2	2017.4	1681.7
40°	2851.9	2839.1	2759.2	2666.5	2570.6	2493.8	2493.8	2436.3	2298.8	2218.9	1870.4
42.5°	2810.4	2816.8	2765.6	2669.7	2615.3	2564.2	2602.5	2592.9	2477.8	2417.1	2055.8
45°	2557.8	2583.4	2637.7	2660.1	2589.8	2618.5	2688.9	2727.2	2656.9	2592.9	2234.9
47.5°	2554.6	2548.2	2592.9	2599.3	2608.9	2663.3	2759.2	2842.3	2797.6	2749.6	2404.3
50°	2749.6	2727.2	2692.1	2679.3	2688.9	2717.6	2826.3	2931.9	2906.3	2883.9	2567.4
52.5°	2877.5	2851.9	2740.0	2711.2	2733.6	2800.8	2944.6	3047.0	3015.0	3002.2	2724.0
55°	3104.5	3082.1	2931.9	2759.2	2788.0	2903.1	3098.1	3206.8	3194.0	3146.1	2877.5
57.5°	3002.2	3008.6	2960.6	2791.2	2813.6	2941.4	3210.0	3369.9	3382.7	3318.7	3024.6
60°	2816.8	2823.1	2813.6	2733.6	2746.4	2906.3	3229.2	3488.2	3526.5	3462.6	3152.5
62.5°	2660.1	2666.5	2653.7	2602.5	2605.7	2807.2	3168.4	3497.8	3580.9	3539.3	3229.2
65°	2420.3	2442.7	2465.1	2413.9	2439.5	2663.3	3034.2	3414.6	3526.5	3510.6	3238.8
67.5°	2174.1	2190.1	2231.7	2218.9	2257.2	2481.0	2851.9	3251.6	3382.7	3379.5	3162.1
70°	1975.9	1982.3	1988.7	1998.3	2036.6	2257.2	2624.9	3005.4	3142.9	3171.6	2989.4
72.5°	1768.1	1771.3	1755.3	1742.5	1784.1	2014.3	2350.0	2685.7	2839.1	2864.7	2714.4
75°	1518.7	1525.1	1489.9	1470.7	1515.5	1720.1	2027.0	2314.8	2426.7	2481.0	2350.0
77.5°	1282.1	1259.7	1227.7	1195.8	1237.3	1413.2	1672.1	1902.3	1982.3	2014.3	1915.1
80°	1003.9	978.4	940.0	914.4	946.4	1083.9	1282.1	1445.1	1486.7	1509.1	1419.6
82.5°	690.6	668.2	629.9	604.3	633.1	732.2	866.4	949.6	975.2	984.7	885.6
85°	329.3	310.1	290.9	287.8	310.1	348.5	370.9	402.9	402.9	380.5	370.9
87.5°	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2	3.2	3.2
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
110°	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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CATALOG NUMBER: LXS-B3-LED-D1-T3-A-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
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°	518.0	518.0	518.0	518.0	518.0	518.0	518.0	518.0	518.0	518.0	518.0
2.5°	524.3	518.0	508.4	502.0	492.4	486.0	482.8	479.6	476.4	473.2	473.2
5°	537.1	524.3	508.4	492.4	476.4	463.6	454.0	447.6	441.2	438.0	438.0
7.5°	553.1	537.1	511.6	486.0	463.6	447.6	431.6	422.0	415.6	412.4	412.4
10°	572.3	553.1	514.8	482.8	457.2	434.8	415.6	402.9	396.5	390.1	390.1
12.5°	597.9	572.3	524.3	486.0	454.0	425.2	402.9	386.9	377.3	370.9	367.7
15°	626.7	597.9	540.3	492.4	454.0	418.8	390.1	370.9	358.1	351.7	351.7
17.5°	665.0	629.9	559.5	502.0	454.0	412.4	380.5	358.1	342.1	335.7	335.7
20°	709.8	665.0	581.9	514.8	457.2	409.2	374.1	345.3	326.1	319.7	316.5
22.5°	764.1	713.0	607.5	530.7	460.4	406.0	364.5	332.5	313.3	300.5	300.5
25°	837.7	767.3	639.4	546.7	466.8	406.0	354.9	319.7	297.3	284.6	284.6
27.5°	930.4	837.7	677.8	565.9	476.4	402.9	348.5	306.9	281.4	268.6	265.4
30°	1035.9	924.0	722.6	588.3	486.0	402.9	338.9	294.1	265.4	249.4	246.2
32.5°	1160.6	1026.3	780.1	617.1	495.6	402.9	329.3	278.2	249.4	230.2	230.2
35°	1294.9	1141.4	850.5	649.0	508.4	402.9	322.9	268.6	233.4	217.4	217.4
37.5°	1457.9	1275.7	933.6	681.0	521.1	402.9	316.5	259.0	223.8	211.0	207.8
40°	1637.0	1422.8	1023.1	725.8	540.3	406.0	313.3	255.8	220.6	204.6	201.4
42.5°	1812.8	1585.8	1125.4	776.9	565.9	418.8	316.5	252.6	214.2	195.0	195.0
45°	1998.3	1752.1	1250.1	850.5	597.9	428.4	316.5	246.2	207.8	188.6	188.6
47.5°	2164.5	1915.1	1390.8	930.4	626.7	438.0	313.3	239.8	201.4	182.2	182.2
50°	2324.4	2087.8	1534.7	1013.5	661.8	447.6	313.3	236.6	195.0	175.8	175.8
52.5°	2474.7	2244.5	1669.0	1099.8	700.2	463.6	316.5	230.2	188.6	172.7	169.5
55°	2612.1	2372.3	1787.2	1186.2	741.8	476.4	316.5	227.0	182.2	166.3	163.1
57.5°	2746.4	2490.6	1896.0	1266.1	780.1	489.2	316.5	220.6	175.8	156.7	156.7
60°	2871.1	2602.5	1982.3	1330.0	812.1	495.6	313.3	214.2	169.5	150.3	147.1
62.5°	2960.6	2688.9	2052.6	1371.6	840.9	498.8	306.9	204.6	156.7	137.5	137.5
65°	2986.2	2724.0	2081.4	1384.4	853.7	495.6	297.3	195.0	140.7	124.7	124.7
67.5°	2925.5	2682.5	2055.8	1374.8	837.7	476.4	278.2	179.0	121.5	111.9	111.9
70°	2781.6	2548.2	1959.9	1320.5	796.1	447.6	255.8	163.1	99.1	95.9	95.9
72.5°	2535.4	2321.2	1787.2	1214.9	729.0	402.9	227.0	140.7	79.9	79.9	83.1
75°	2196.5	2004.7	1537.9	1058.3	633.1	348.5	191.8	108.7	60.7	67.1	67.1
77.5°	1784.1	1611.4	1234.1	860.1	511.6	281.4	150.3	76.7	44.8	51.2	51.2
80°	1310.9	1163.8	888.8	626.7	374.1	201.4	95.9	44.8	32.0	35.2	35.2
82.5°	802.5	697.0	527.5	380.5	217.4	108.7	48.0	19.2	16.0	19.2	19.2
85°	322.9	275.0	211.0	127.9	57.6	25.6	9.6	6.4	3.2	3.2	3.2
87.5°	3.2	3.2	3.2	3.2	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
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P253176

CATALOG NUMBER: LXS-B3-LED-D1-T3-A-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
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)