

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: P253198

Luminaire Tested: **LXS-B2-LED-D1-T5-A**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253198  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-4)  
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-T5-A  
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE  
70 CRI, 4000K LEDS AND TYPE V OPTIC, GRAPHITE METALLIC PAINTED FINISH,  
ARM MOUNT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5356 lumens  
Efficiency: N/A  
Efficacy: 130.6 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G2

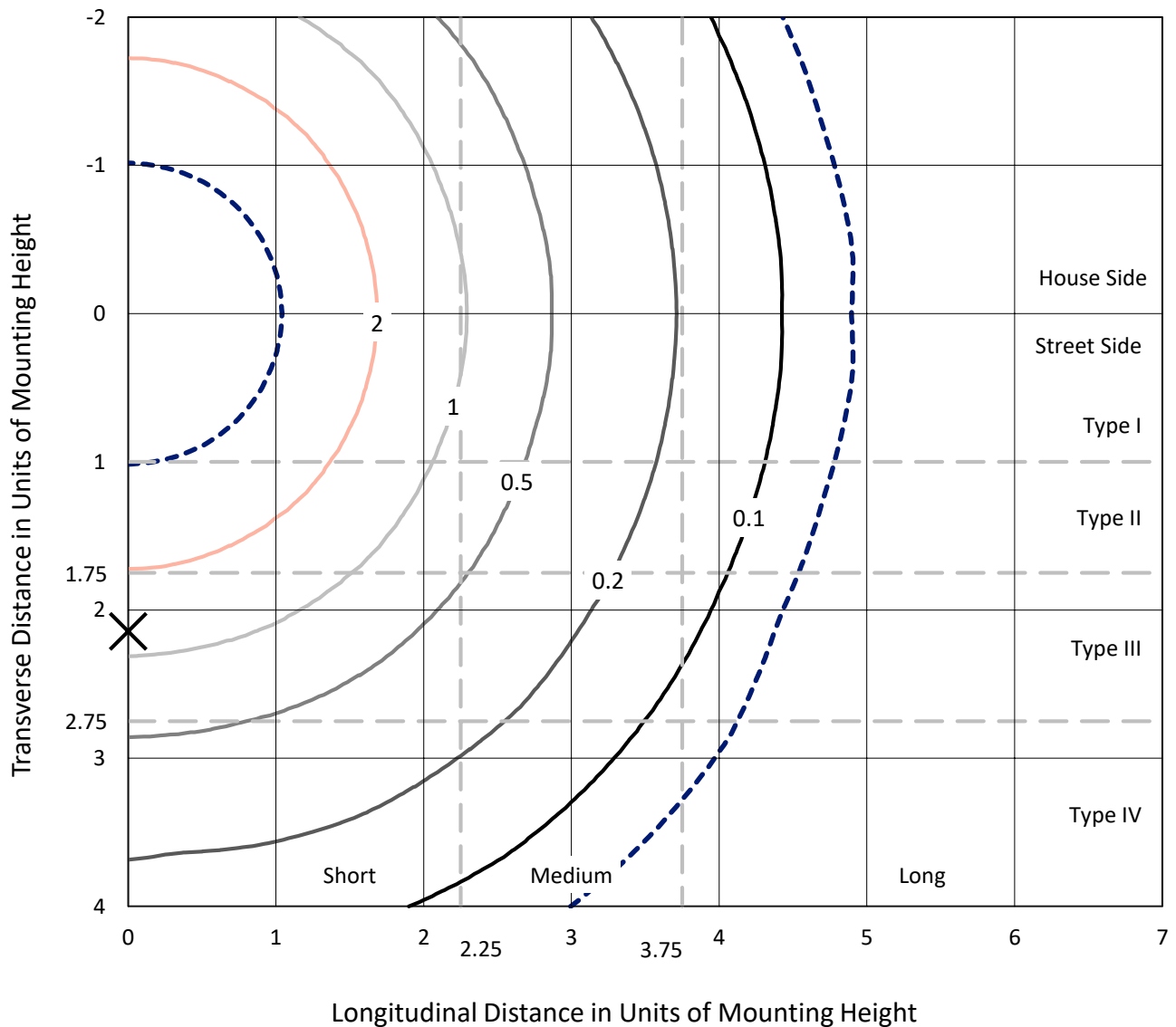
Input Watts (W): 41  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

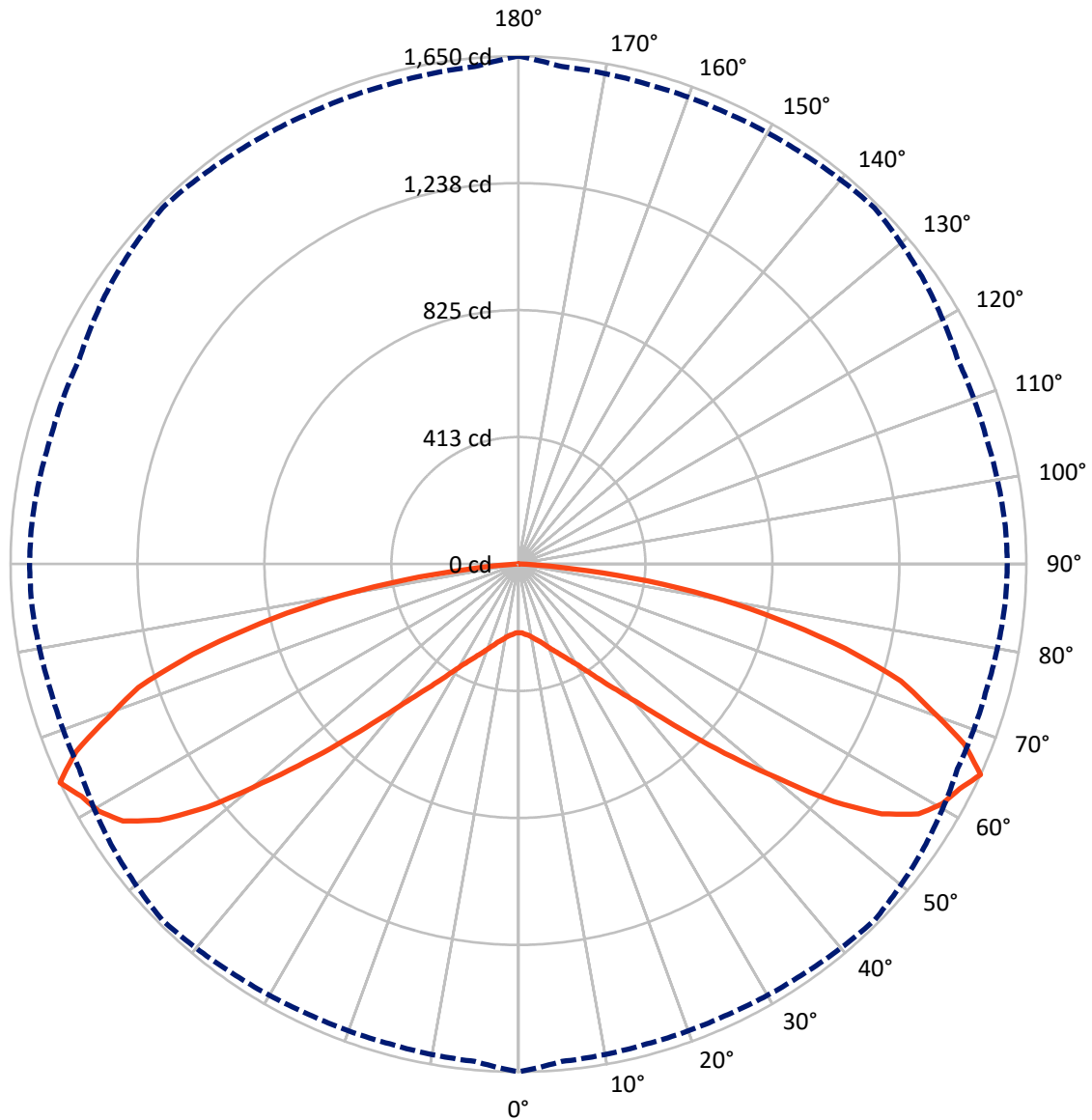
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.9 fc  
 Type V - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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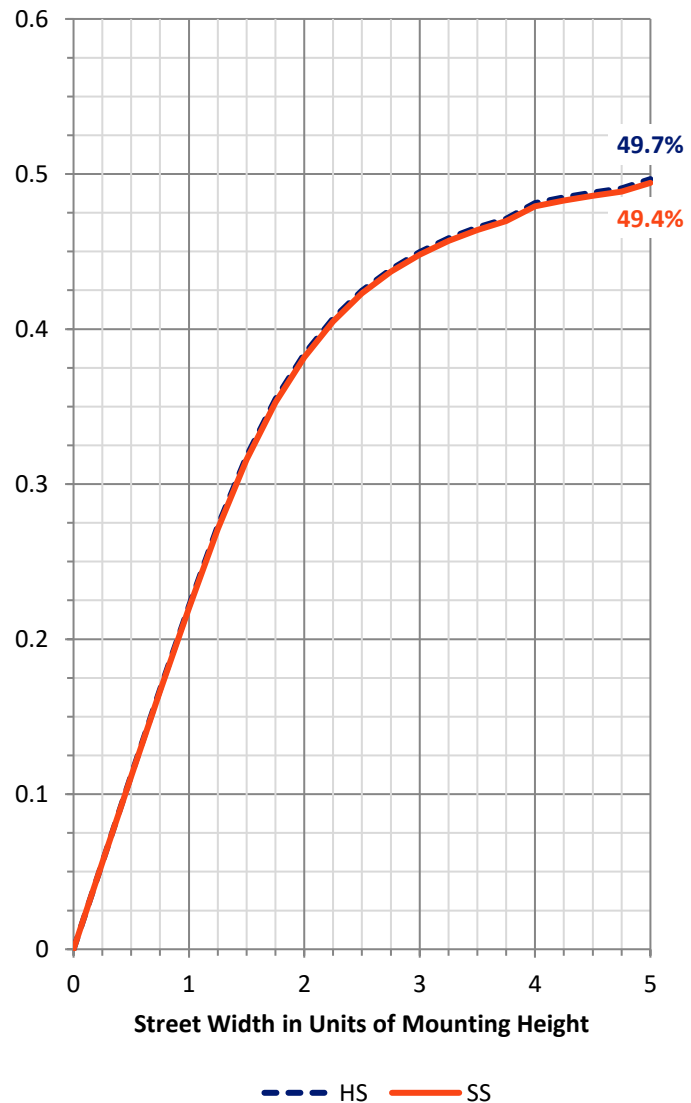
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2678.0	0.0	2678.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2678.0	0.0	2678.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5356.0	0.0	5356.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.1	0.4
10°-20°	75.0	1.4
20°-30°	152.9	2.9
30°-40°	292.0	5.5
40°-50°	620.8	11.6
50°-60°	1223.9	22.9
60°-70°	1554.7	29.0
70°-80°	1165.8	21.8
80°-90°	248.6	4.6
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°	5356.0	100.0
0°-180°	5356.0	100.0



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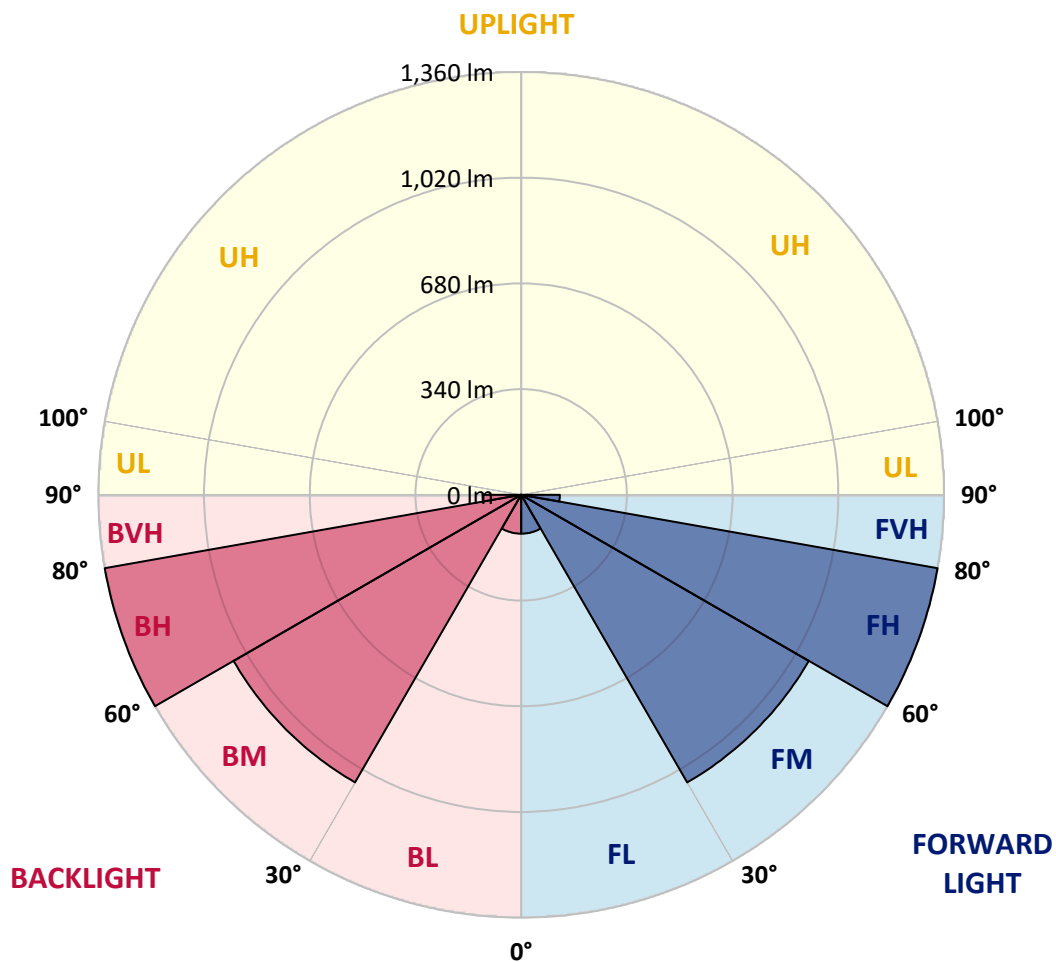
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	125.0	2.3			
FM (30°-60°)	1068.4	19.9			
FH (60°-80°)	1360.3	25.4			G1/1800
FVH (80°-90°)	124.3	2.3			G2/225
BL (0°-30°)	125.0	2.3	B1/500		
BM (30°-60°)	1068.4	19.9	B2/2500		
BH (60°-80°)	1360.3	25.4	B3/2500		G1/1800
BVH (80°-90°)	124.3	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-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5
2.5°	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5
5°	229.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5
7.5°	233.5	233.5	233.5	233.5	233.5	233.5	233.5	233.5	233.5	233.5	233.5
10°	241.5	241.5	241.5	241.5	241.5	241.5	239.5	239.5	239.5	239.5	239.5
12.5°	251.5	251.5	251.5	249.5	249.5	249.5	249.5	249.5	249.5	249.5	249.5
15°	261.4	261.4	261.4	261.4	261.4	259.4	259.4	259.4	259.4	259.4	259.4
17.5°	275.4	275.4	275.4	273.4	273.4	273.4	273.4	271.4	273.4	273.4	273.4
20°	291.4	291.4	289.4	289.4	289.4	289.4	287.4	287.4	287.4	287.4	287.4
22.5°	309.3	309.3	307.3	307.3	307.3	305.3	305.3	303.3	303.3	303.3	303.3
25°	329.3	329.3	327.3	327.3	327.3	325.3	323.3	323.3	323.3	323.3	323.3
27.5°	353.2	353.2	351.2	351.2	349.2	347.3	345.3	345.3	345.3	345.3	345.3
30°	381.2	381.2	381.2	379.2	377.2	375.2	373.2	371.2	371.2	371.2	371.2
32.5°	419.1	417.1	417.1	413.1	413.1	409.1	407.1	405.1	405.1	405.1	403.1
35°	465.0	463.0	461.0	461.0	457.0	453.0	449.0	447.0	445.0	445.0	445.0
37.5°	518.9	518.9	514.9	510.9	508.9	504.9	500.9	498.9	496.9	496.9	492.9
40°	586.7	586.7	584.7	580.7	574.8	570.8	570.8	566.8	564.8	562.8	560.8
42.5°	680.5	678.5	674.5	670.6	668.6	658.6	656.6	652.6	650.6	650.6	646.6
45°	798.3	800.3	796.3	788.3	786.3	782.3	772.3	772.3	766.3	762.4	764.4
47.5°	938.0	940.0	934.0	926.0	918.0	906.0	910.0	902.1	900.1	896.1	890.1
50°	1095.6	1093.6	1087.7	1079.7	1077.7	1065.7	1061.7	1055.7	1051.7	1055.7	1047.7
52.5°	1283.2	1283.2	1275.3	1257.3	1247.3	1247.3	1237.3	1231.3	1225.4	1225.4	1219.4
55°	1432.9	1430.9	1420.9	1413.0	1405.0	1389.0	1391.0	1377.0	1365.1	1367.1	1375.0
57.5°	1532.7	1524.7	1518.7	1500.8	1498.8	1496.8	1474.8	1460.9	1460.9	1454.9	1460.9
60°	1582.6	1584.6	1572.6	1560.6	1548.7	1550.7	1526.7	1522.7	1514.7	1516.7	1522.7
62.5°	1608.5	1624.5	1622.5	1610.5	1628.5	1590.6	1606.5	1580.6	1570.6	1568.6	1564.6
65°	1650.4	1622.5	1614.5	1614.5	1622.5	1636.5	1608.5	1574.6	1574.6	1586.6	1588.6
67.5°	1562.6	1560.6	1570.6	1592.6	1578.6	1578.6	1552.7	1536.7	1528.7	1542.7	1534.7
70°	1422.9	1434.9	1436.9	1474.8	1502.8	1472.8	1476.8	1438.9	1428.9	1450.9	1434.9
72.5°	1299.2	1247.3	1285.2	1333.1	1351.1	1371.0	1339.1	1309.2	1299.2	1311.2	1315.2
75°	1097.6	1061.7	1113.6	1155.5	1155.5	1177.5	1139.5	1131.6	1129.6	1125.6	1129.6
77.5°	862.1	840.2	874.1	912.0	944.0	936.0	926.0	906.0	910.0	920.0	912.0
80°	628.6	594.7	616.7	654.6	690.5	694.5	698.5	670.6	666.6	682.5	680.5
82.5°	373.2	355.2	373.2	405.1	437.1	445.0	445.0	435.1	427.1	441.1	447.0
85°	127.7	141.7	131.7	141.7	165.6	171.6	177.6	171.6	177.6	187.6	175.6
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
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)