

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: P253191

Luminaire Tested: **LXS-B3-LED-D1-T5-A-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P253191
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-B3-LED-D1-T5-A-8030
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K 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: 8220 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G2

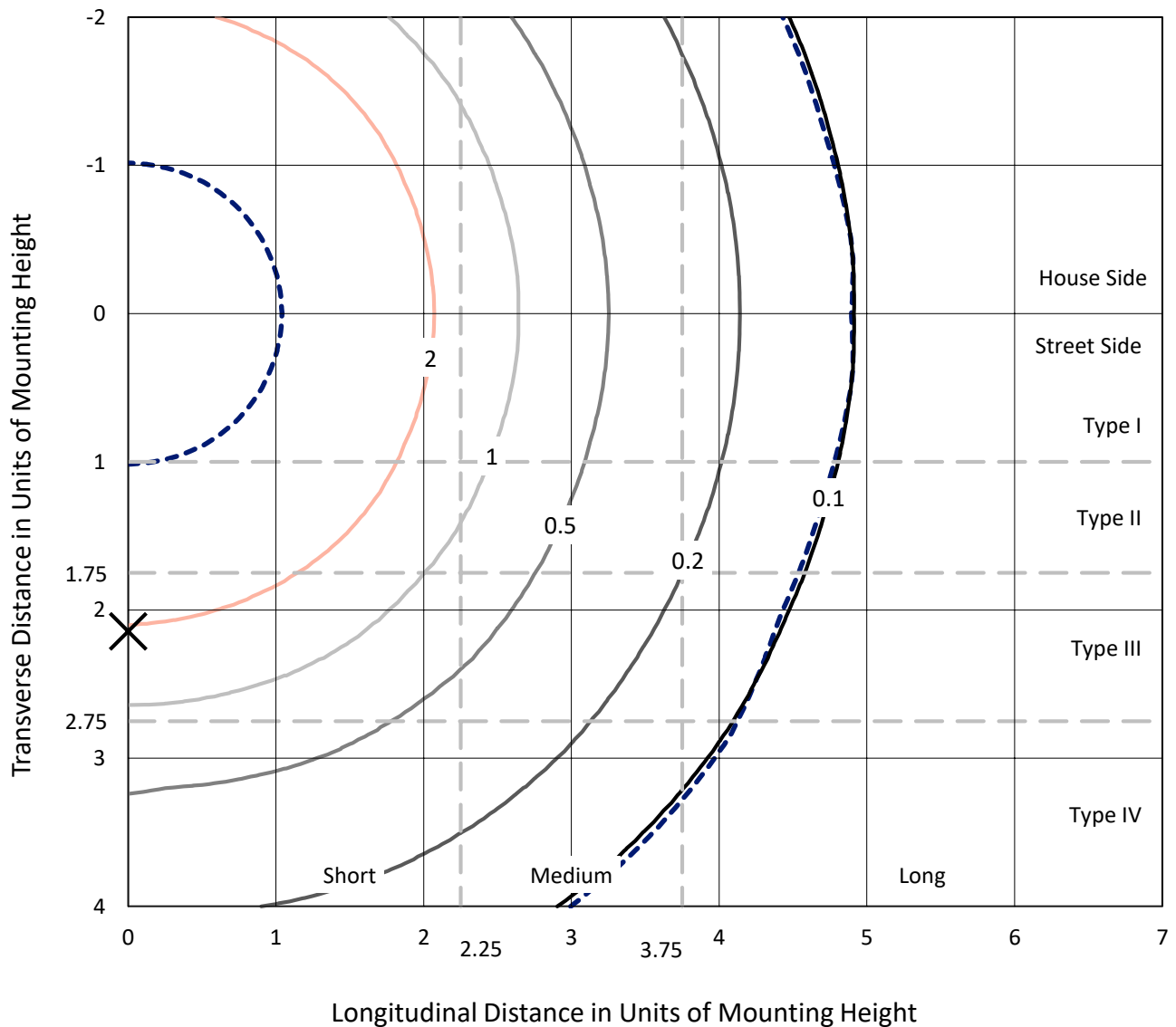
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P253191
 CATALOG NUMBER: LXS-B3-LED-D1-T5-A-8030

Iso-Footcandle Lines of Horizontal Illumination

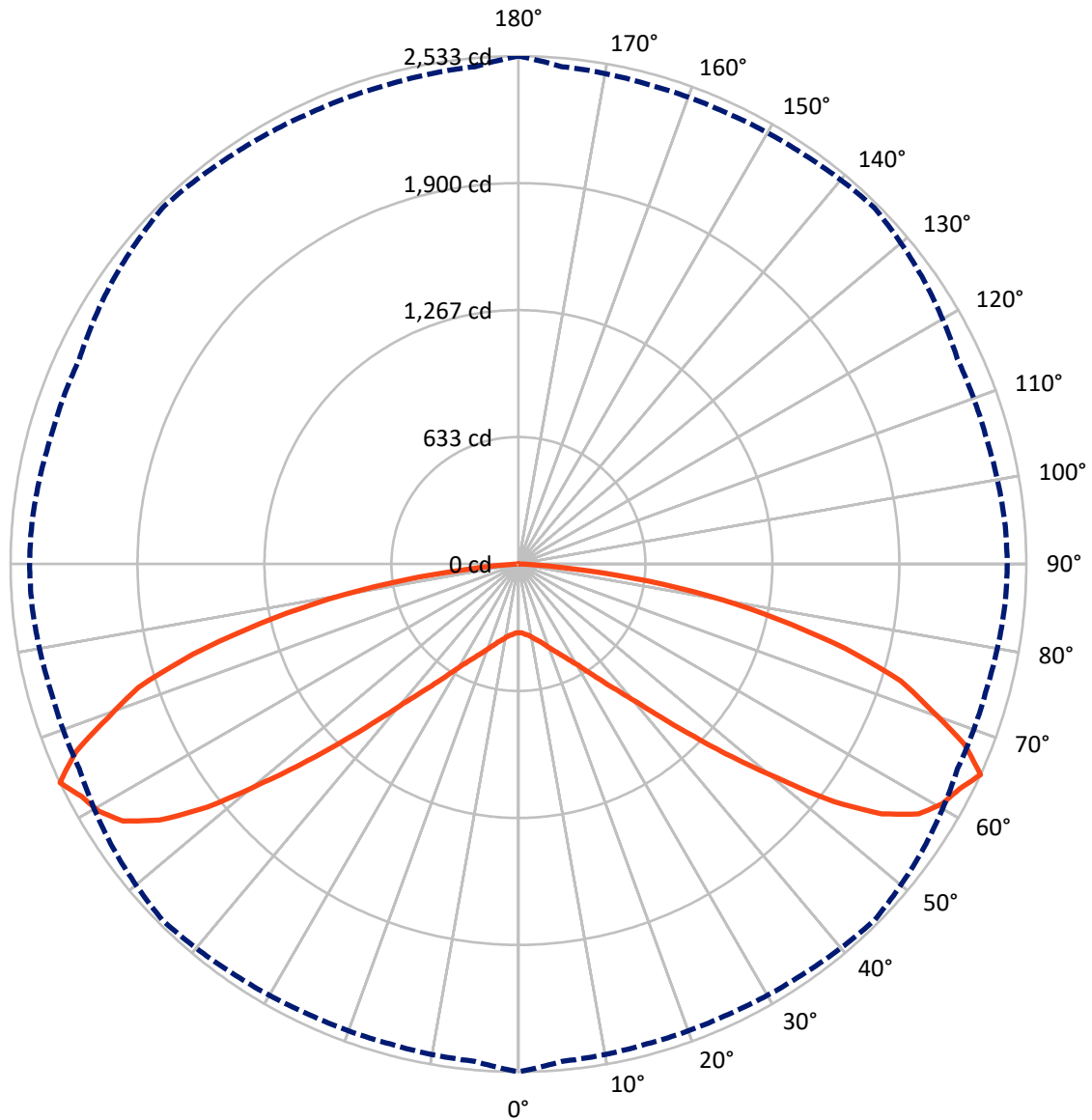
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P253191
CATALOG NUMBER: LXS-B3-LED-D1-T5-A-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P253191

CATALOG NUMBER: LXS-B3-LED-D1-T5-A-8030

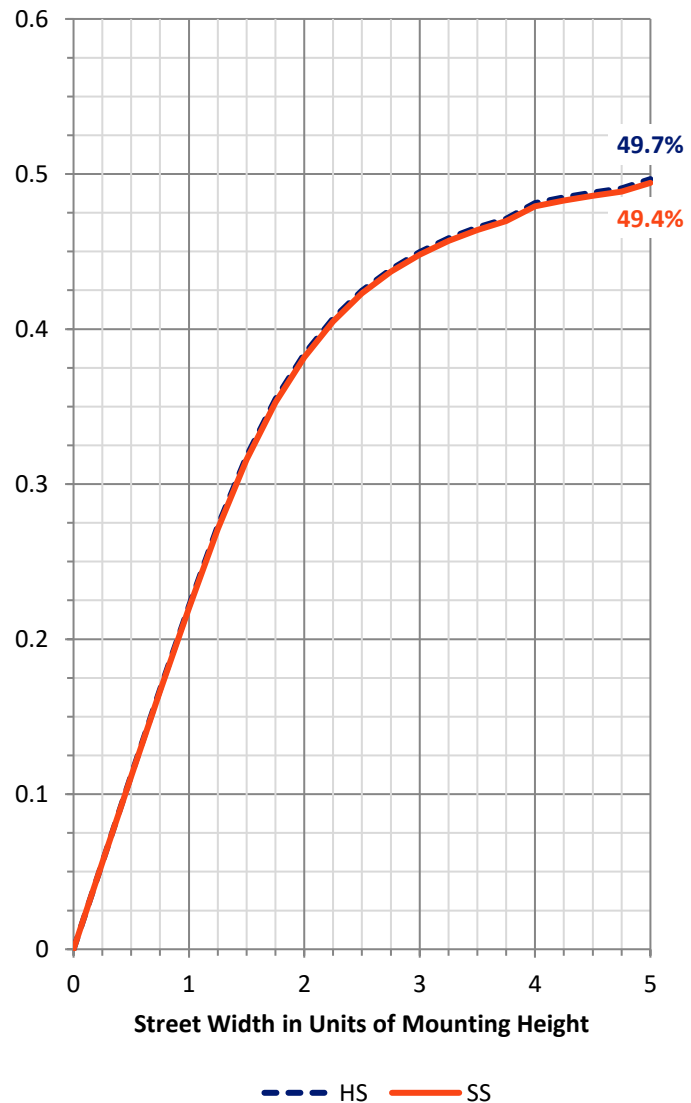
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4110.0	0.0	4110.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4110.0	0.0	4110.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8220.0	0.0	8220.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.0	0.4
10°-20°	115.1	1.4
20°-30°	234.7	2.9
30°-40°	448.1	5.5
40°-50°	952.8	11.6
50°-60°	1878.4	22.9
60°-70°	2386.1	29.0
70°-80°	1789.2	21.8
80°-90°	381.6	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°	8220.0	100.0
0°-180°	8220.0	100.0



REPORT NUMBER: P253191

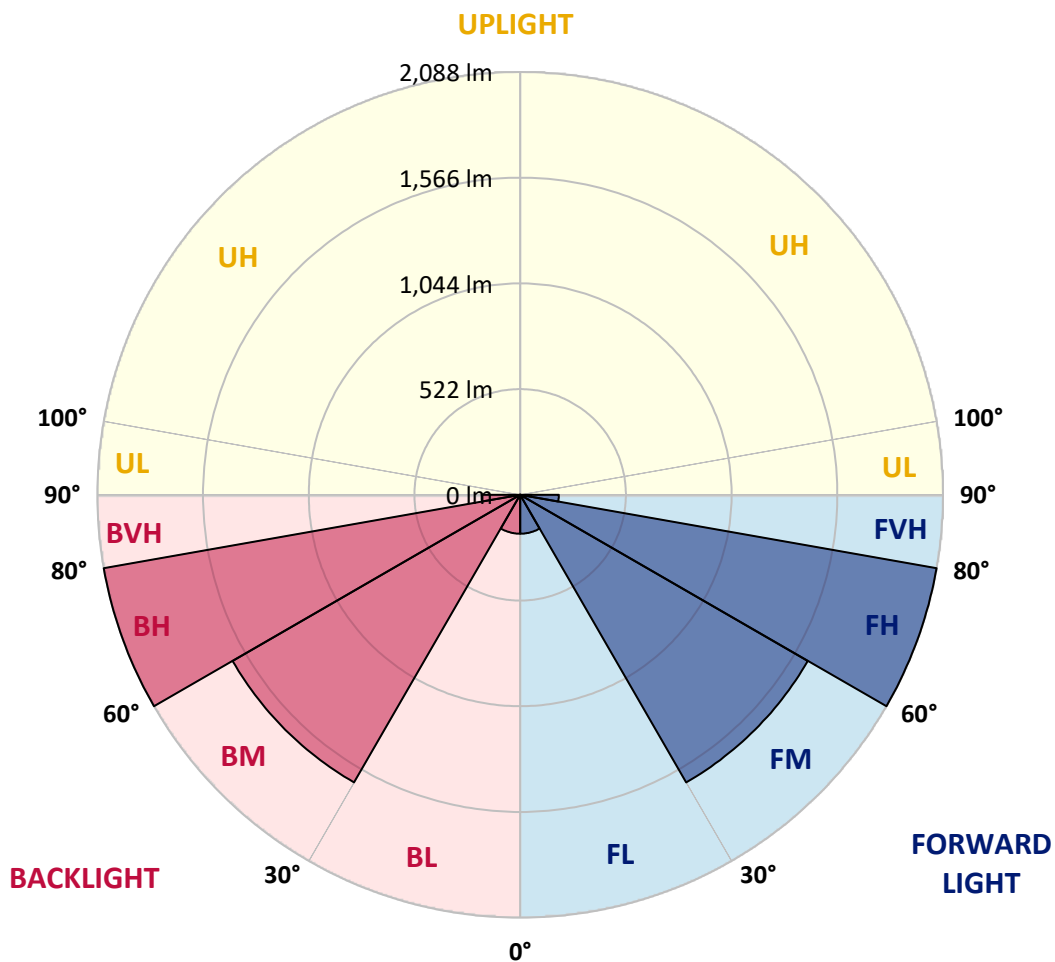
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	191.9	2.3			
FM	(30°-60°)	1639.7	19.9			
FH	(60°-80°)	2087.6	25.4			G2/5000
FVH	(80°-90°)	190.8	2.3			G2/225
BL	(0°-30°)	191.9	2.3	B1/500		
BM	(30°-60°)	1639.7	19.9	B2/2500		
BH	(60°-80°)	2087.6	25.4	B3/2500		G2/5000
BVH	(80°-90°)	190.8	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





REPORT NUMBER: P253191

CATALOG NUMBER: LXS-B3-LED-D1-T5-A-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0
2.5°	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0
5°	352.2	349.2	349.2	349.2	349.2	349.2	349.2	349.2	349.2	349.2	349.2
7.5°	358.4	358.4	358.4	358.4	358.4	358.4	358.4	358.4	358.4	358.4	358.4
10°	370.6	370.6	370.6	370.6	370.6	370.6	367.5	367.5	367.5	367.5	367.5
12.5°	385.9	385.9	385.9	382.9	382.9	382.9	382.9	382.9	382.9	382.9	382.9
15°	401.2	401.2	401.2	401.2	401.2	398.2	398.2	398.2	398.2	398.2	398.2
17.5°	422.7	422.7	422.7	419.6	419.6	419.6	419.6	416.5	419.6	419.6	419.6
20°	447.2	447.2	444.1	444.1	444.1	444.1	441.1	441.1	441.1	441.1	441.1
22.5°	474.7	474.7	471.7	471.7	471.7	468.6	468.6	465.6	465.6	465.6	465.6
25°	505.4	505.4	502.3	502.3	502.3	499.2	496.2	496.2	496.2	496.2	496.2
27.5°	542.1	542.1	539.1	539.1	536.0	532.9	529.9	529.9	529.9	529.9	529.9
30°	585.0	585.0	585.0	581.9	578.9	575.8	572.8	569.7	569.7	569.7	569.7
32.5°	643.2	640.1	640.1	634.0	634.0	627.9	624.8	621.8	621.8	621.8	618.7
35°	713.6	710.6	707.5	707.5	701.4	695.3	689.1	686.1	683.0	683.0	683.0
37.5°	796.3	796.3	790.2	784.1	781.0	774.9	768.8	765.7	762.7	762.7	756.5
40°	900.5	900.5	897.4	891.3	882.1	876.0	876.0	869.9	866.8	863.7	860.7
42.5°	1044.4	1041.4	1035.2	1029.1	1026.1	1010.7	1007.7	1001.6	998.5	998.5	992.4
45°	1225.1	1228.2	1222.1	1209.8	1206.8	1200.6	1185.3	1185.3	1176.1	1170.0	1173.1
47.5°	1439.5	1442.6	1433.4	1421.2	1408.9	1390.5	1396.7	1384.4	1381.3	1375.2	1366.0
50°	1681.5	1678.4	1669.3	1657.0	1653.9	1635.6	1629.4	1620.3	1614.1	1620.3	1608.0
52.5°	1969.4	1969.4	1957.2	1929.6	1914.3	1914.3	1899.0	1889.8	1880.6	1880.6	1871.4
55°	2199.1	2196.1	2180.8	2168.5	2156.3	2131.8	2134.8	2113.4	2095.0	2098.1	2110.3
57.5°	2352.3	2340.0	2330.8	2303.3	2300.2	2297.1	2263.5	2242.0	2242.0	2232.8	2242.0
60°	2428.8	2431.9	2413.5	2395.2	2376.8	2379.8	2343.1	2337.0	2324.7	2327.8	2337.0
62.5°	2468.7	2493.2	2490.1	2471.7	2499.3	2441.1	2465.6	2425.8	2410.5	2407.4	2401.3
65°	2533.0	2490.1	2477.9	2477.9	2490.1	2511.5	2468.7	2416.6	2416.6	2435.0	2438.0
67.5°	2398.2	2395.2	2410.5	2444.2	2422.7	2422.7	2382.9	2358.4	2346.2	2367.6	2355.3
70°	2183.8	2202.2	2205.3	2263.5	2306.3	2260.4	2266.5	2208.3	2193.0	2226.7	2202.2
72.5°	1993.9	1914.3	1972.5	2046.0	2073.6	2104.2	2055.2	2009.2	1993.9	2012.3	2018.4
75°	1684.6	1629.4	1709.1	1773.4	1773.4	1807.1	1748.9	1736.6	1733.6	1727.5	1733.6
77.5°	1323.2	1289.5	1341.5	1399.7	1448.7	1436.5	1421.2	1390.5	1396.7	1412.0	1399.7
80°	964.8	912.7	946.4	1004.6	1059.7	1065.9	1072.0	1029.1	1023.0	1047.5	1044.4
82.5°	572.8	545.2	572.8	621.8	670.8	683.0	683.0	667.7	655.5	676.9	686.1
85°	196.0	217.5	202.1	217.5	254.2	263.4	272.6	263.4	272.6	287.9	269.5
87.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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)