

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: P253200

Luminaire Tested: **LXS-B4-LED-D1-T5-A**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P253200
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-B4-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: 11420 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - U0 - G3

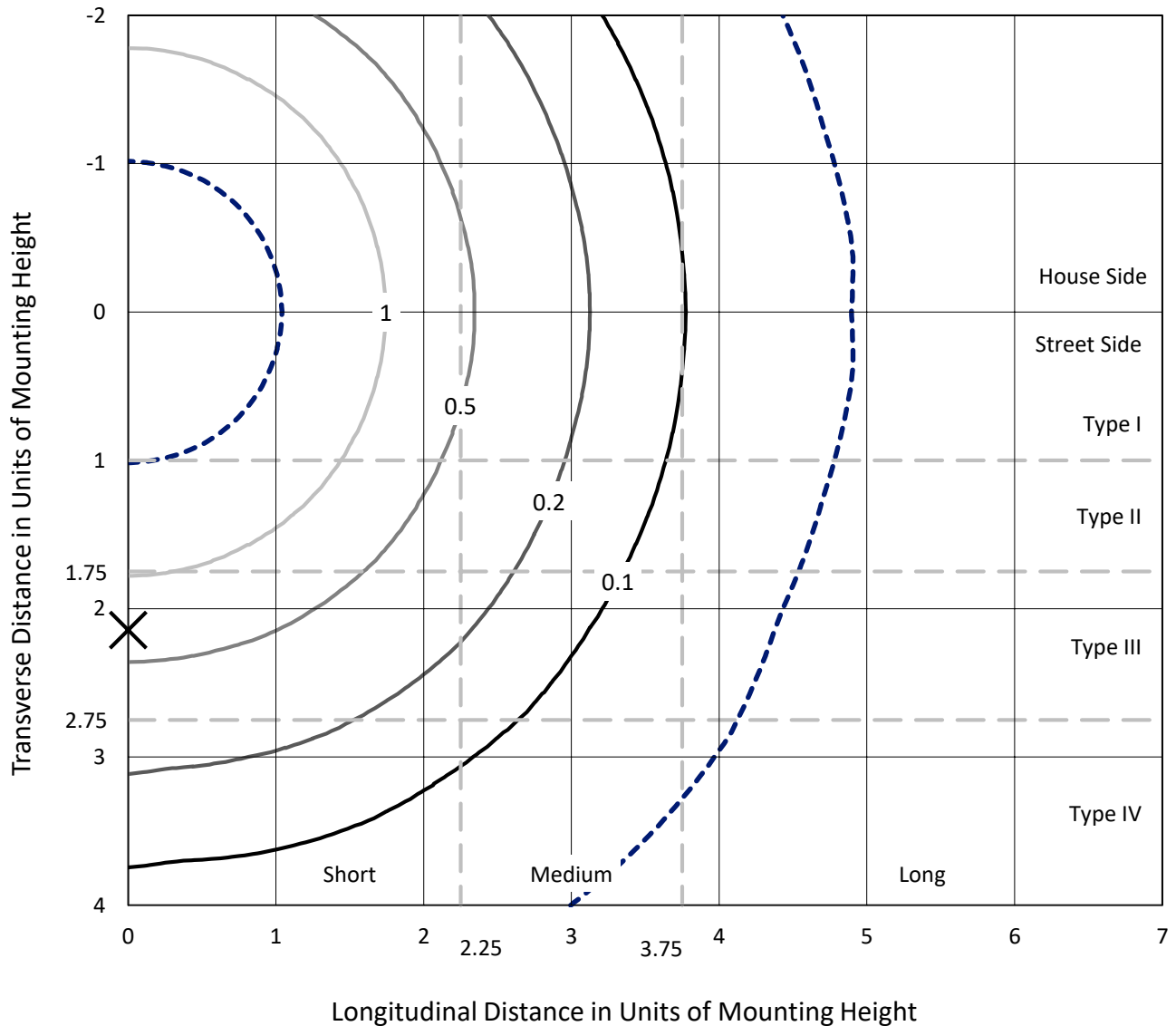
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P253200
 CATALOG NUMBER: LXS-B4-LED-D1-T5-A

Iso-Footcandle Lines of Horizontal Illumination

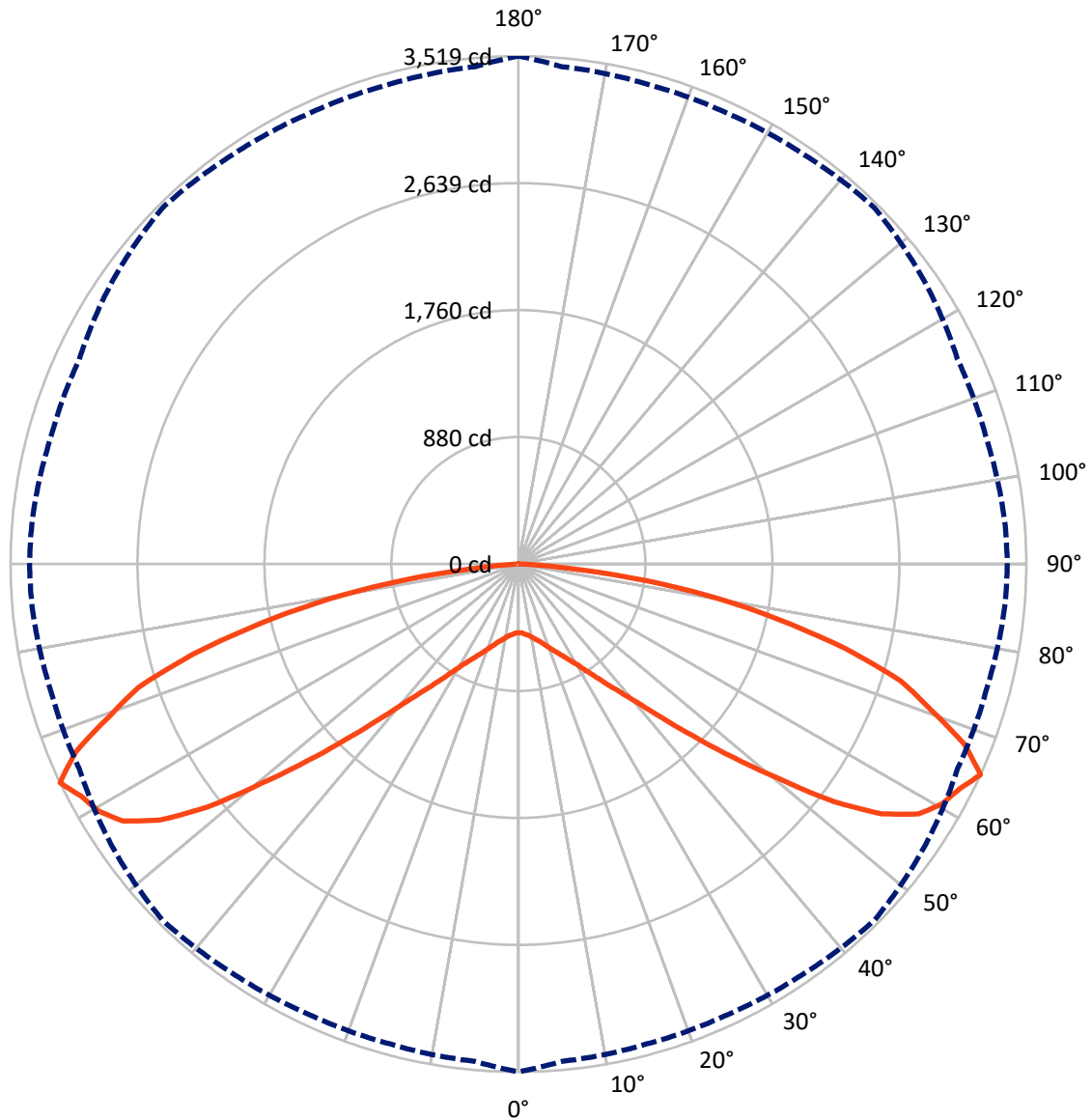
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P253200
CATALOG NUMBER: LXS-B4-LED-D1-T5-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P253200

CATALOG NUMBER: LXS-B4-LED-D1-T5-A

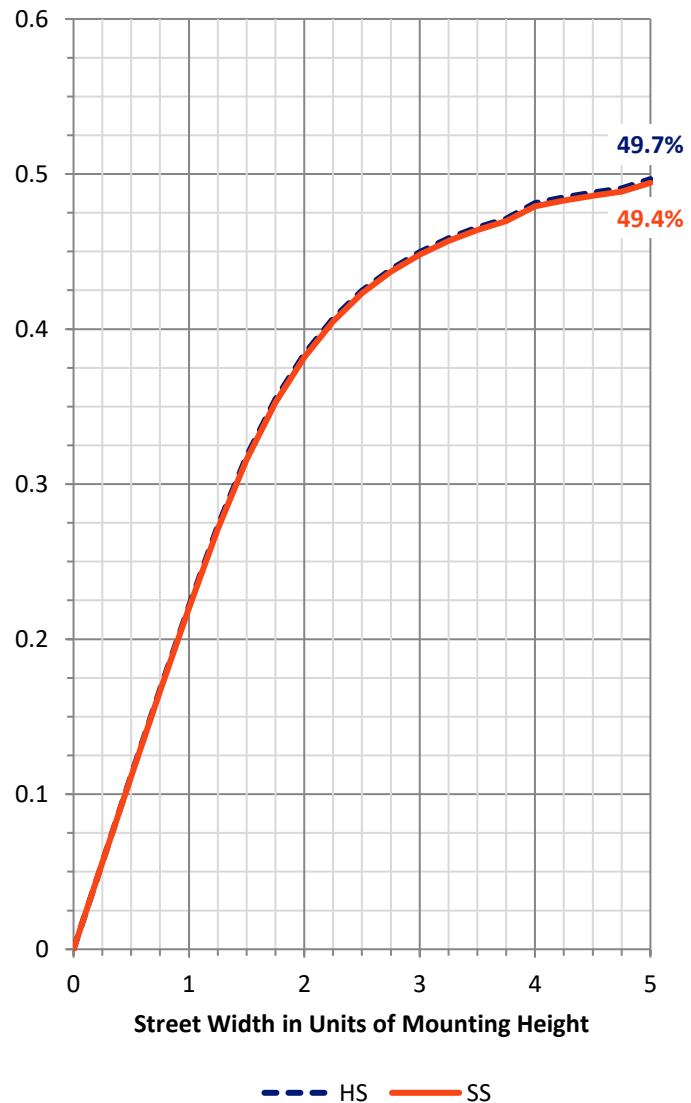
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5710.0	0.0	5710.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5710.0	0.0	5710.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11420.0	0.0	11420.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.2	0.4
10°-20°	159.9	1.4
20°-30°	326.1	2.9
30°-40°	622.6	5.5
40°-50°	1323.7	11.6
50°-60°	2609.7	22.9
60°-70°	3315.0	29.0
70°-80°	2485.7	21.8
80°-90°	530.1	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°	11420.0	100.0
0°-180°	11420.0	100.0



REPORT NUMBER: P253200

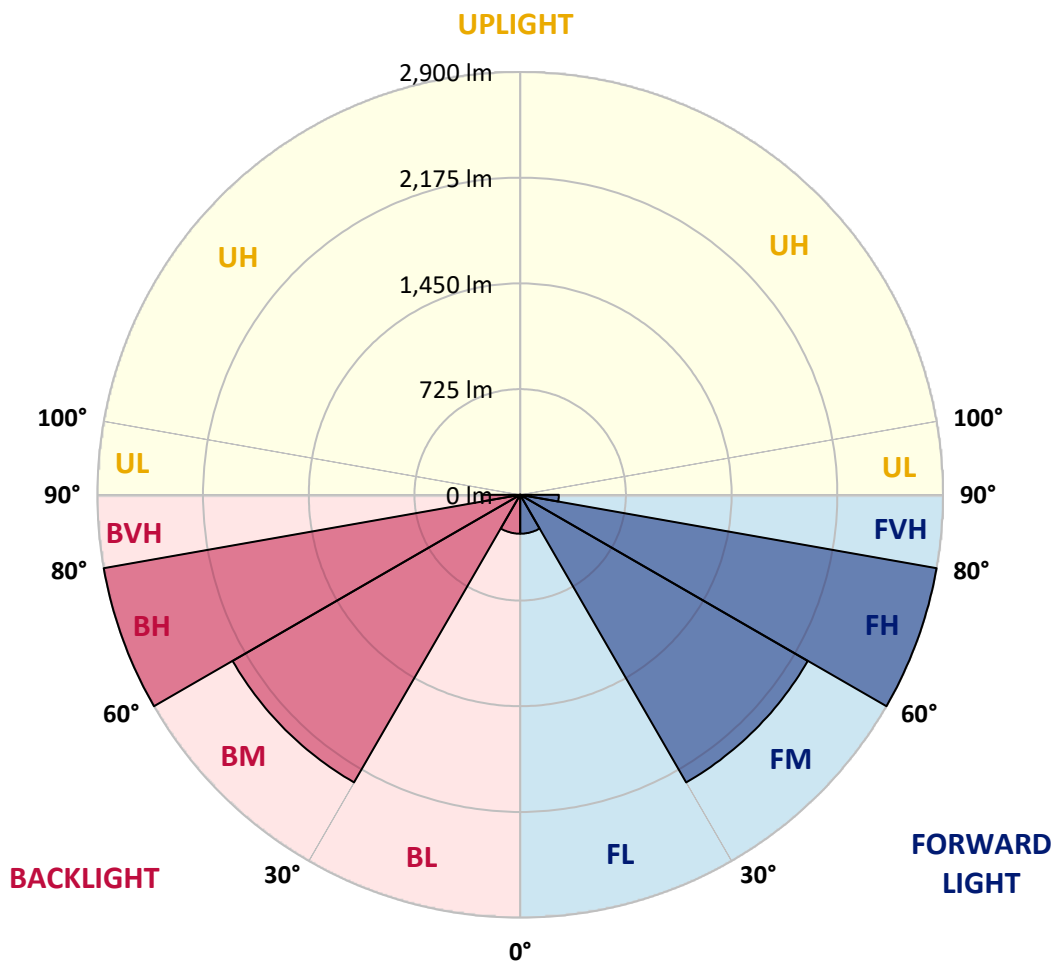
CATALOG NUMBER: LXS-B4-LED-D1-T5-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	266.6	2.3			
FM	(30°-60°)	2278.0	19.9			
FH	(60°-80°)	2900.4	25.4			G2/5000
FVH	(80°-90°)	265.1	2.3			G3/500
BL	(0°-30°)	266.6	2.3	B1/500		
BM	(30°-60°)	2278.0	19.9	B2/2500		
BH	(60°-80°)	2900.4	25.4	B4/5000		G2/5000
BVH	(80°-90°)	265.1	2.3			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





REPORT NUMBER: P253200

CATALOG NUMBER: LXS-B4-LED-D1-T5-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6
2.5°	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6
5°	489.3	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1
7.5°	497.9	497.9	497.9	497.9	497.9	497.9	497.9	497.9	497.9	497.9	497.9
10°	514.9	514.9	514.9	514.9	514.9	514.9	510.6	510.6	510.6	510.6	510.6
12.5°	536.2	536.2	536.2	531.9	531.9	531.9	531.9	531.9	531.9	531.9	531.9
15°	557.4	557.4	557.4	557.4	557.4	553.2	553.2	553.2	553.2	553.2	553.2
17.5°	587.2	587.2	587.2	583.0	583.0	583.0	583.0	578.7	583.0	583.0	583.0
20°	621.3	621.3	617.0	617.0	617.0	617.0	612.8	612.8	612.8	612.8	612.8
22.5°	659.6	659.6	655.3	655.3	655.3	651.0	651.0	646.8	646.8	646.8	646.8
25°	702.1	702.1	697.9	697.9	697.9	693.6	689.3	689.3	689.3	689.3	689.3
27.5°	753.2	753.2	748.9	748.9	744.7	740.4	736.2	736.2	736.2	736.2	736.2
30°	812.7	812.7	812.7	808.5	804.2	800.0	795.7	791.5	791.5	791.5	791.5
32.5°	893.6	889.3	889.3	880.8	880.8	872.3	868.1	863.8	863.8	863.8	859.6
35°	991.5	987.2	983.0	983.0	974.4	965.9	957.4	953.2	948.9	948.9	948.9
37.5°	1106.4	1106.4	1097.8	1089.3	1085.1	1076.6	1068.1	1063.8	1059.5	1059.5	1051.0
40°	1251.0	1251.0	1246.8	1238.3	1225.5	1217.0	1217.0	1208.5	1204.2	1200.0	1195.7
42.5°	1451.0	1446.8	1438.3	1429.8	1425.5	1404.2	1400.0	1391.5	1387.2	1387.2	1378.7
45°	1702.1	1706.3	1697.8	1680.8	1676.6	1668.0	1646.8	1646.8	1634.0	1625.5	1629.7
47.5°	2000.0	2004.2	1991.4	1974.4	1957.4	1931.9	1940.4	1923.4	1919.1	1910.6	1897.8
50°	2336.1	2331.9	2319.1	2302.1	2297.8	2272.3	2263.8	2251.0	2242.5	2251.0	2234.0
52.5°	2736.1	2736.1	2719.1	2680.8	2659.5	2659.5	2638.2	2625.5	2612.7	2612.7	2599.9
55°	3055.2	3051.0	3029.7	3012.7	2995.7	2961.6	2965.9	2936.1	2910.6	2914.8	2931.8
57.5°	3268.0	3251.0	3238.2	3199.9	3195.7	3191.4	3144.6	3114.8	3114.8	3102.1	3114.8
60°	3374.4	3378.6	3353.1	3327.6	3302.0	3306.3	3255.2	3246.7	3229.7	3234.0	3246.7
62.5°	3429.7	3463.7	3459.5	3434.0	3472.3	3391.4	3425.4	3370.1	3348.9	3344.6	3336.1
65°	3519.1	3459.5	3442.5	3442.5	3459.5	3489.3	3429.7	3357.4	3357.4	3382.9	3387.1
67.5°	3331.8	3327.6	3348.9	3395.7	3365.9	3365.9	3310.6	3276.5	3259.5	3289.3	3272.3
70°	3034.0	3059.5	3063.8	3144.6	3204.2	3140.3	3148.9	3068.0	3046.7	3093.5	3059.5
72.5°	2770.1	2659.5	2740.4	2842.5	2880.8	2923.3	2855.2	2791.4	2770.1	2795.7	2804.2
75°	2340.4	2263.8	2374.4	2463.8	2463.8	2510.6	2429.7	2412.7	2408.5	2399.9	2408.5
77.5°	1838.3	1791.4	1863.8	1944.6	2012.7	1995.7	1974.4	1931.9	1940.4	1961.7	1944.6
80°	1340.4	1268.1	1314.9	1395.7	1472.3	1480.8	1489.3	1429.8	1421.2	1455.3	1451.0
82.5°	795.7	757.4	795.7	863.8	931.9	948.9	948.9	927.6	910.6	940.4	953.2
85°	272.3	302.1	280.8	302.1	353.2	365.9	378.7	365.9	378.7	400.0	374.5
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
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)