

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: P253199

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P253199
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
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: 9842 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

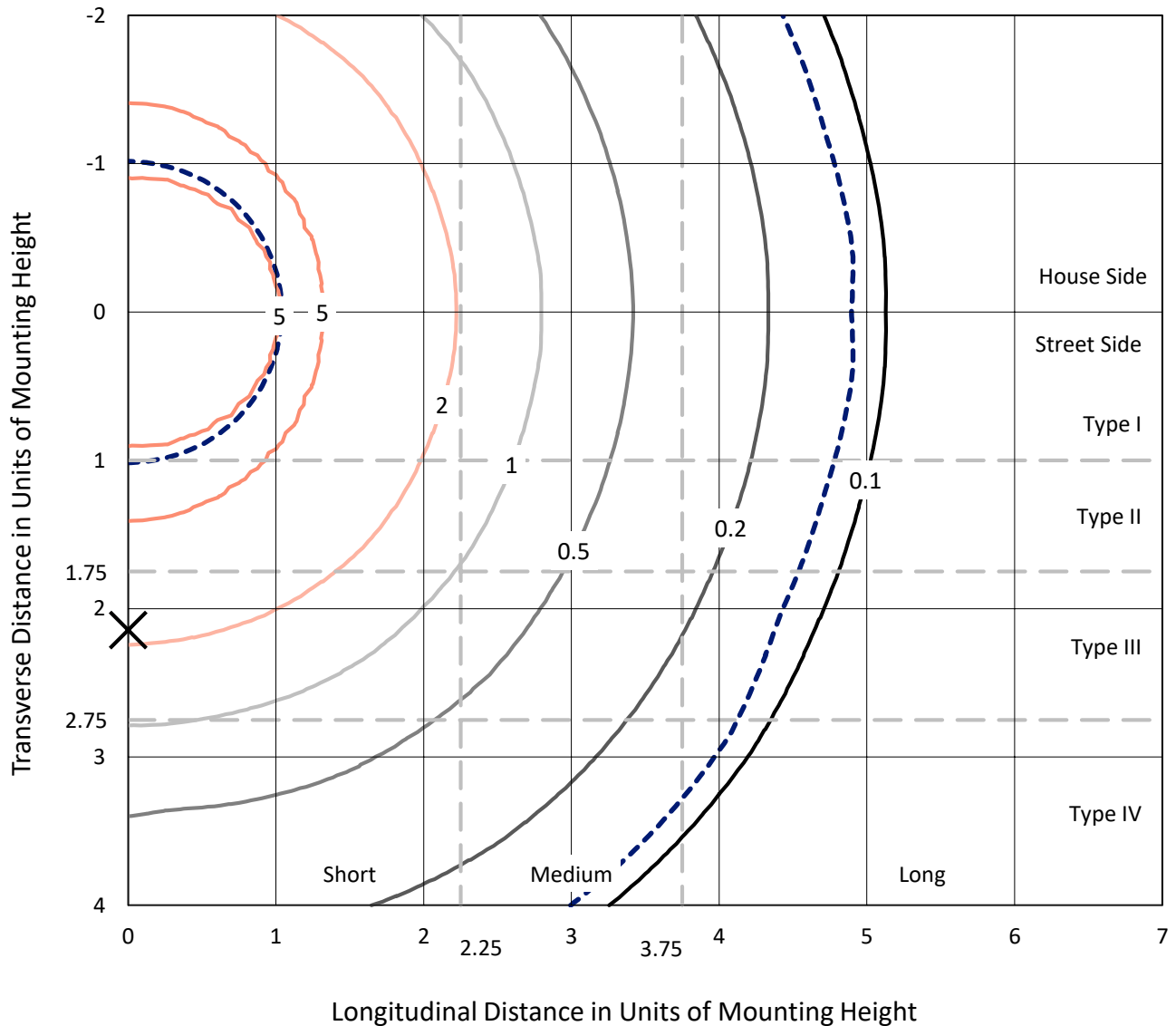
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P253199
 CATALOG NUMBER: LXS-B3-LED-D1-T5-A

Iso-Footcandle Lines of Horizontal Illumination

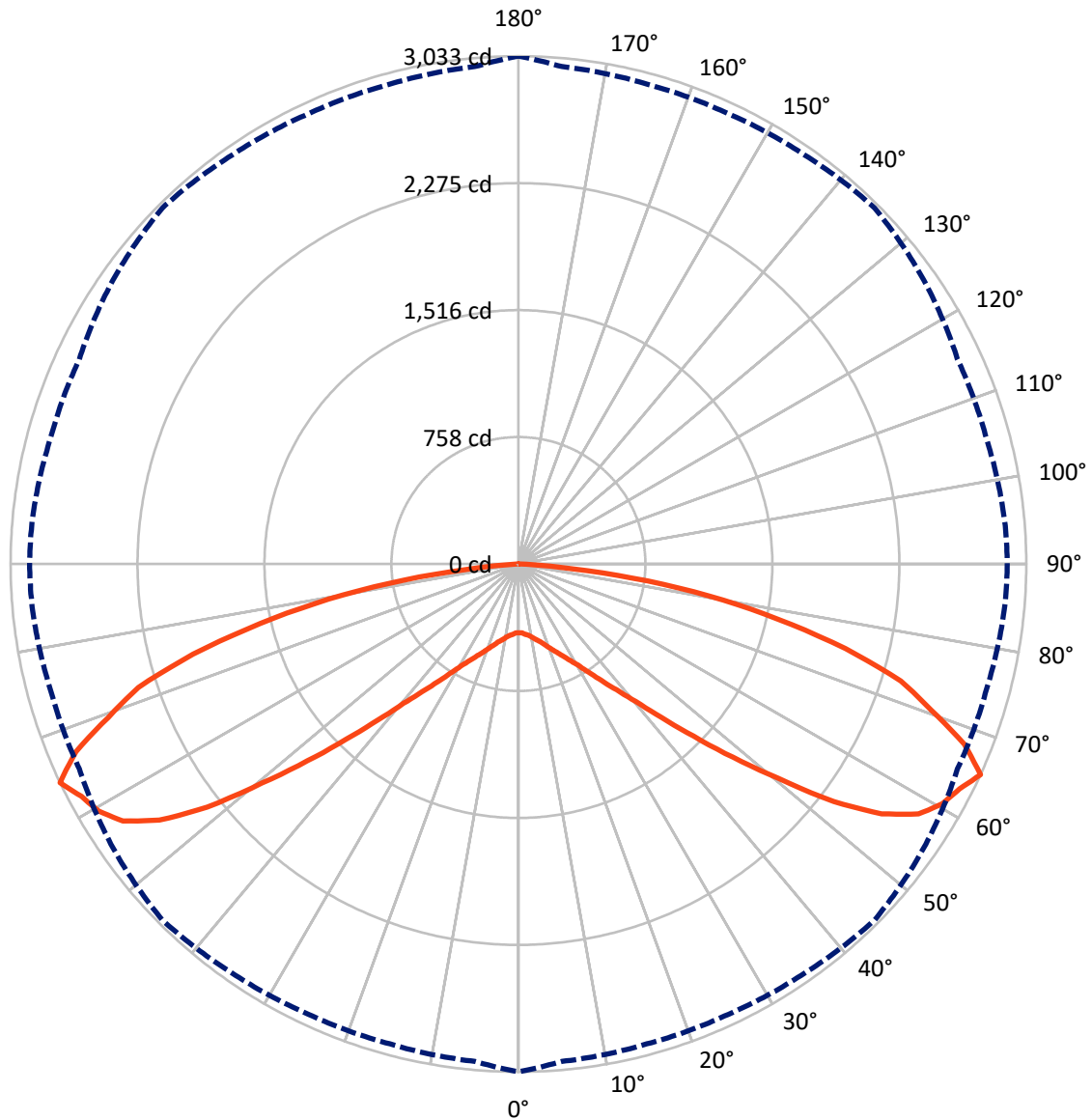
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P253199
CATALOG NUMBER: LXS-B3-LED-D1-T5-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P253199

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

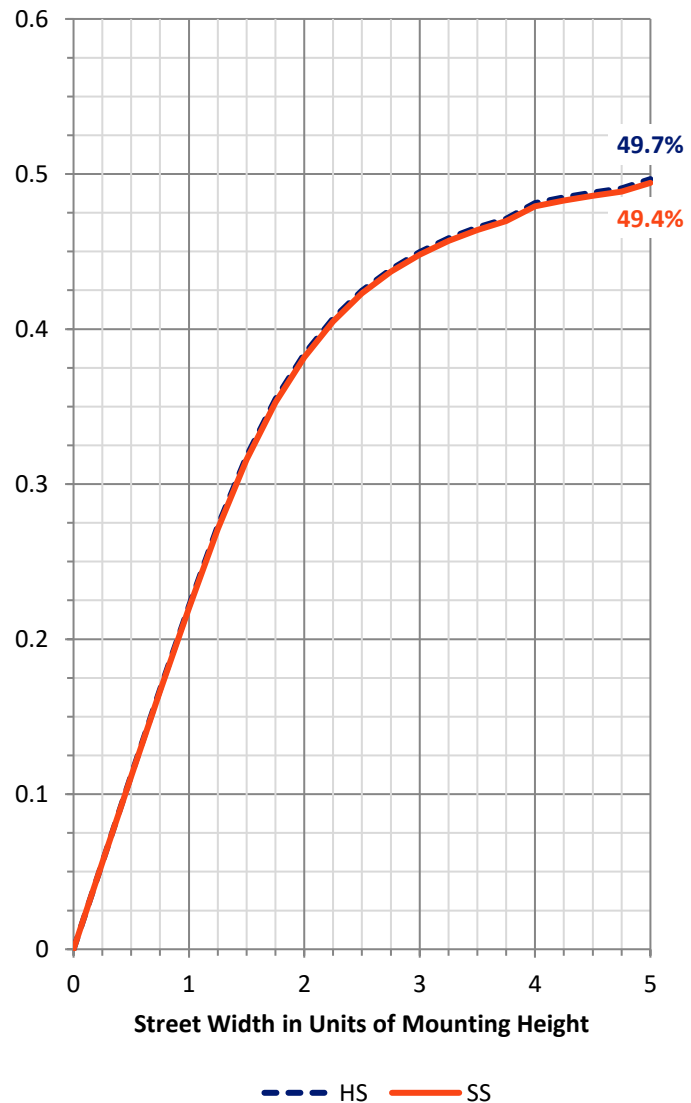
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4921.0	0.0	4921.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4921.0	0.0	4921.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9842.0	0.0	9842.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.7	0.4
10°-20°	137.8	1.4
20°-30°	281.0	2.9
30°-40°	536.6	5.5
40°-50°	1140.8	11.6
50°-60°	2249.1	22.9
60°-70°	2856.9	29.0
70°-80°	2142.2	21.8
80°-90°	456.9	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°	9842.0	100.0
0°-180°	9842.0	100.0



REPORT NUMBER: P253199

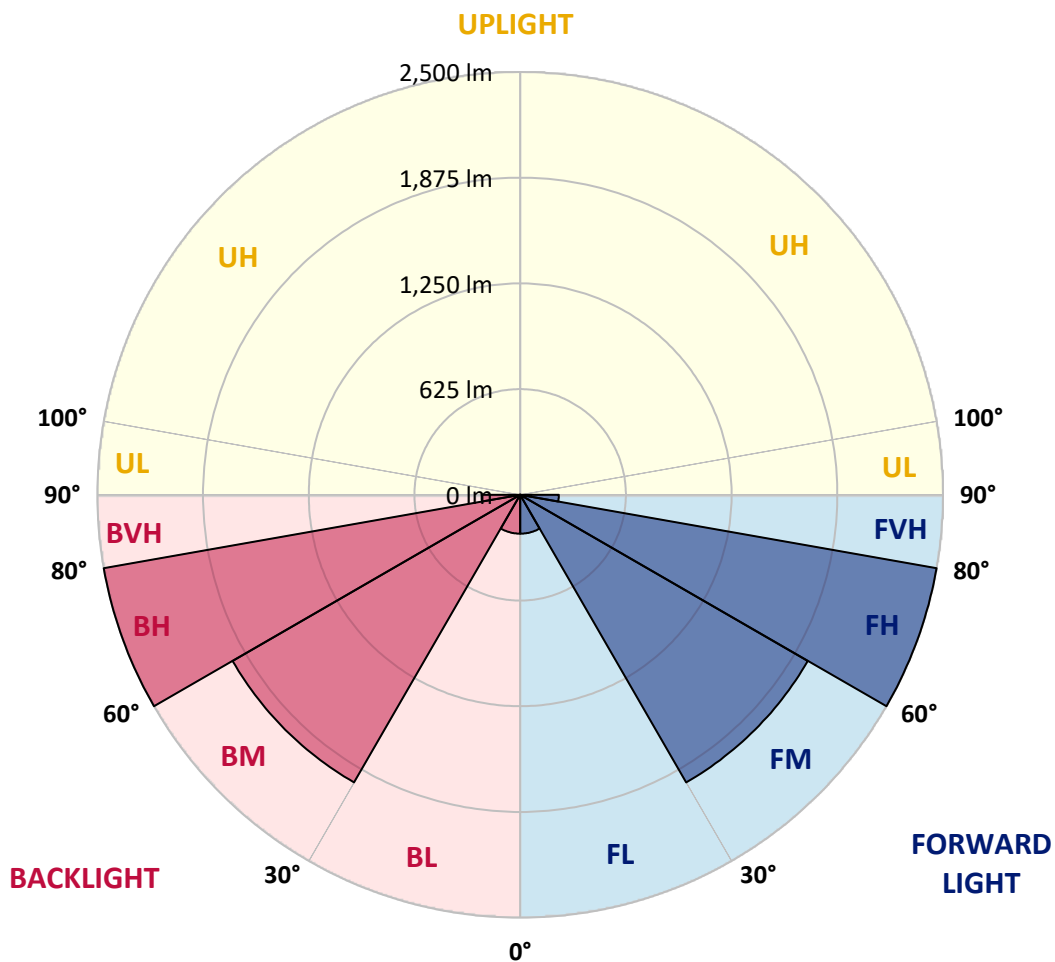
CATALOG NUMBER: LXS-B3-LED-D1-T5-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.8	2.3			
FM (30°-60°)	1963.2	19.9			
FH (60°-80°)	2499.6	25.4			G2/5000
FVH (80°-90°)	228.5	2.3			G3/500
BL (0°-30°)	229.8	2.3	B1/500		
BM (30°-60°)	1963.2	19.9	B2/2500		
BH (60°-80°)	2499.6	25.4	B3/2500		G2/5000
BVH (80°-90°)	228.5	2.3			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short





REPORT NUMBER: P253199

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7
2.5°	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7
5°	421.7	418.1	418.1	418.1	418.1	418.1	418.1	418.1	418.1	418.1	418.1
7.5°	429.1	429.1	429.1	429.1	429.1	429.1	429.1	429.1	429.1	429.1	429.1
10°	443.7	443.7	443.7	443.7	443.7	443.7	440.1	440.1	440.1	440.1	440.1
12.5°	462.1	462.1	462.1	458.4	458.4	458.4	458.4	458.4	458.4	458.4	458.4
15°	480.4	480.4	480.4	480.4	480.4	476.7	476.7	476.7	476.7	476.7	476.7
17.5°	506.1	506.1	506.1	502.4	502.4	502.4	502.4	498.7	502.4	502.4	502.4
20°	535.4	535.4	531.7	531.7	531.7	531.7	528.1	528.1	528.1	528.1	528.1
22.5°	568.4	568.4	564.8	564.8	564.8	561.1	561.1	557.4	557.4	557.4	557.4
25°	605.1	605.1	601.4	601.4	601.4	597.8	594.1	594.1	594.1	594.1	594.1
27.5°	649.1	649.1	645.4	645.4	641.8	638.1	634.4	634.4	634.4	634.4	634.4
30°	700.4	700.4	700.4	696.8	693.1	689.4	685.8	682.1	682.1	682.1	682.1
32.5°	770.1	766.5	766.5	759.1	759.1	751.8	748.1	744.4	744.4	744.4	740.8
35°	854.5	850.8	847.1	847.1	839.8	832.5	825.1	821.5	817.8	817.8	817.8
37.5°	953.5	953.5	946.1	938.8	935.1	927.8	920.5	916.8	913.1	913.1	905.8
40°	1078.2	1078.2	1074.5	1067.2	1056.2	1048.8	1048.8	1041.5	1037.8	1034.2	1030.5
42.5°	1250.5	1246.9	1239.5	1232.2	1228.5	1210.2	1206.5	1199.2	1195.5	1195.5	1188.2
45°	1466.9	1470.6	1463.2	1448.6	1444.9	1437.6	1419.2	1419.2	1408.2	1400.9	1404.6
47.5°	1723.6	1727.3	1716.3	1701.6	1686.9	1664.9	1672.3	1657.6	1653.9	1646.6	1635.6
50°	2013.3	2009.6	1998.6	1984.0	1980.3	1958.3	1951.0	1940.0	1932.6	1940.0	1925.3
52.5°	2358.0	2358.0	2343.4	2310.4	2292.0	2292.0	2273.7	2262.7	2251.7	2251.7	2240.7
55°	2633.1	2629.4	2611.1	2596.4	2581.7	2552.4	2556.1	2530.4	2508.4	2512.1	2526.7
57.5°	2816.4	2801.8	2790.8	2757.8	2754.1	2750.4	2710.1	2684.4	2684.4	2673.4	2684.4
60°	2908.1	2911.8	2889.8	2867.8	2845.8	2849.4	2805.4	2798.1	2783.4	2787.1	2798.1
62.5°	2955.8	2985.1	2981.5	2959.5	2992.5	2922.8	2952.1	2904.4	2886.1	2882.4	2875.1
65°	3032.8	2981.5	2966.8	2966.8	2981.5	3007.1	2955.8	2893.4	2893.4	2915.5	2919.1
67.5°	2871.4	2867.8	2886.1	2926.5	2900.8	2900.8	2853.1	2823.8	2809.1	2834.8	2820.1
70°	2614.7	2636.7	2640.4	2710.1	2761.4	2706.4	2713.8	2644.1	2625.7	2666.1	2636.7
72.5°	2387.4	2292.0	2361.7	2449.7	2482.7	2519.4	2460.7	2405.7	2387.4	2409.4	2416.7
75°	2017.0	1951.0	2046.3	2123.3	2123.3	2163.7	2094.0	2079.3	2075.7	2068.3	2075.7
77.5°	1584.2	1543.9	1606.2	1675.9	1734.6	1719.9	1701.6	1664.9	1672.3	1690.6	1675.9
80°	1155.2	1092.8	1133.2	1202.9	1268.9	1276.2	1283.5	1232.2	1224.9	1254.2	1250.5
82.5°	685.8	652.8	685.8	744.4	803.1	817.8	817.8	799.5	784.8	810.5	821.5
85°	234.7	260.4	242.0	260.4	304.4	315.4	326.4	315.4	326.4	344.7	322.7
87.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
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: P253199

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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)