

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: P253197

Luminaire Tested: **LXS-B1-LED-D1-T5-A**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P253197
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-B1-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: 2684 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G1

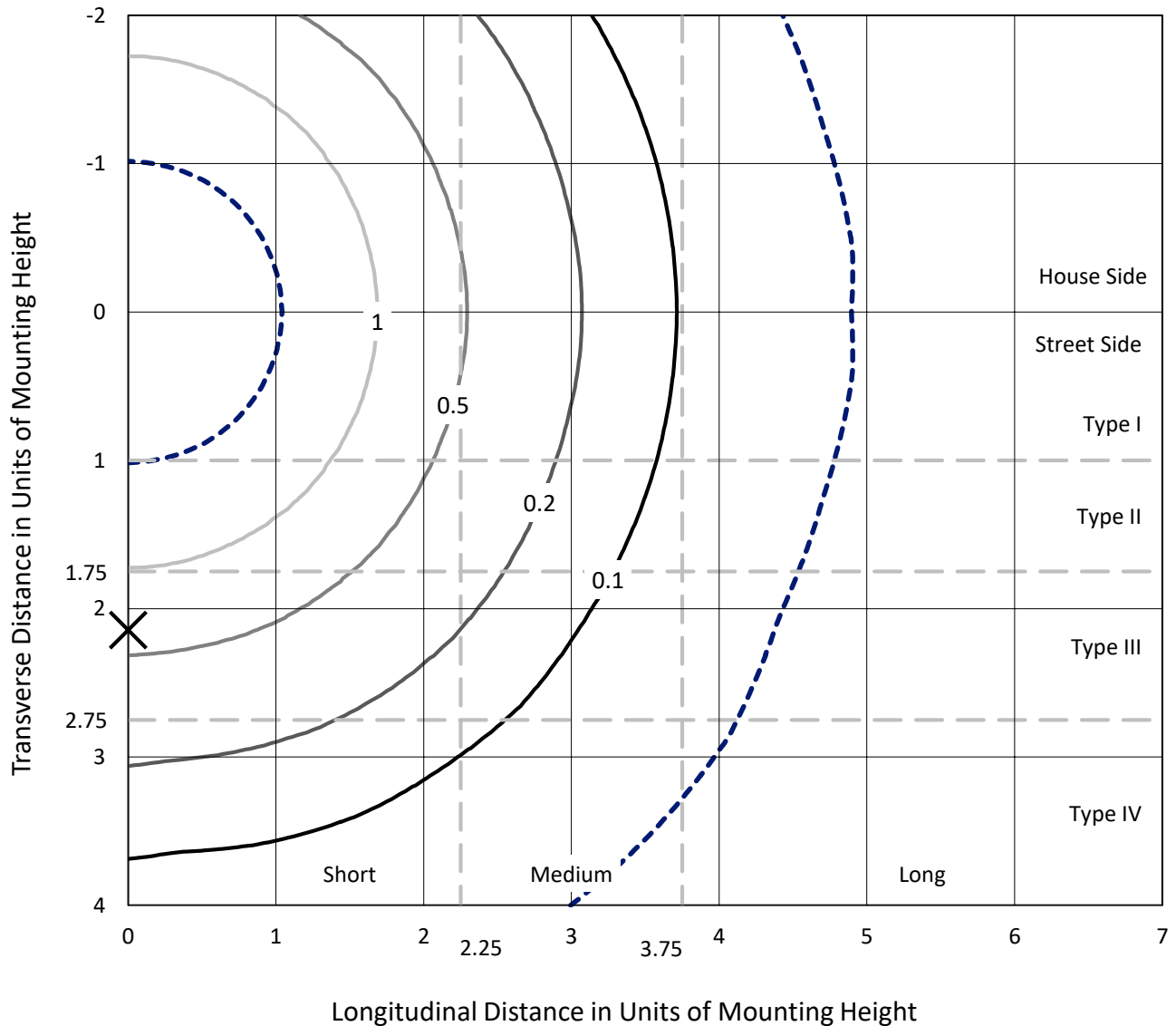
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

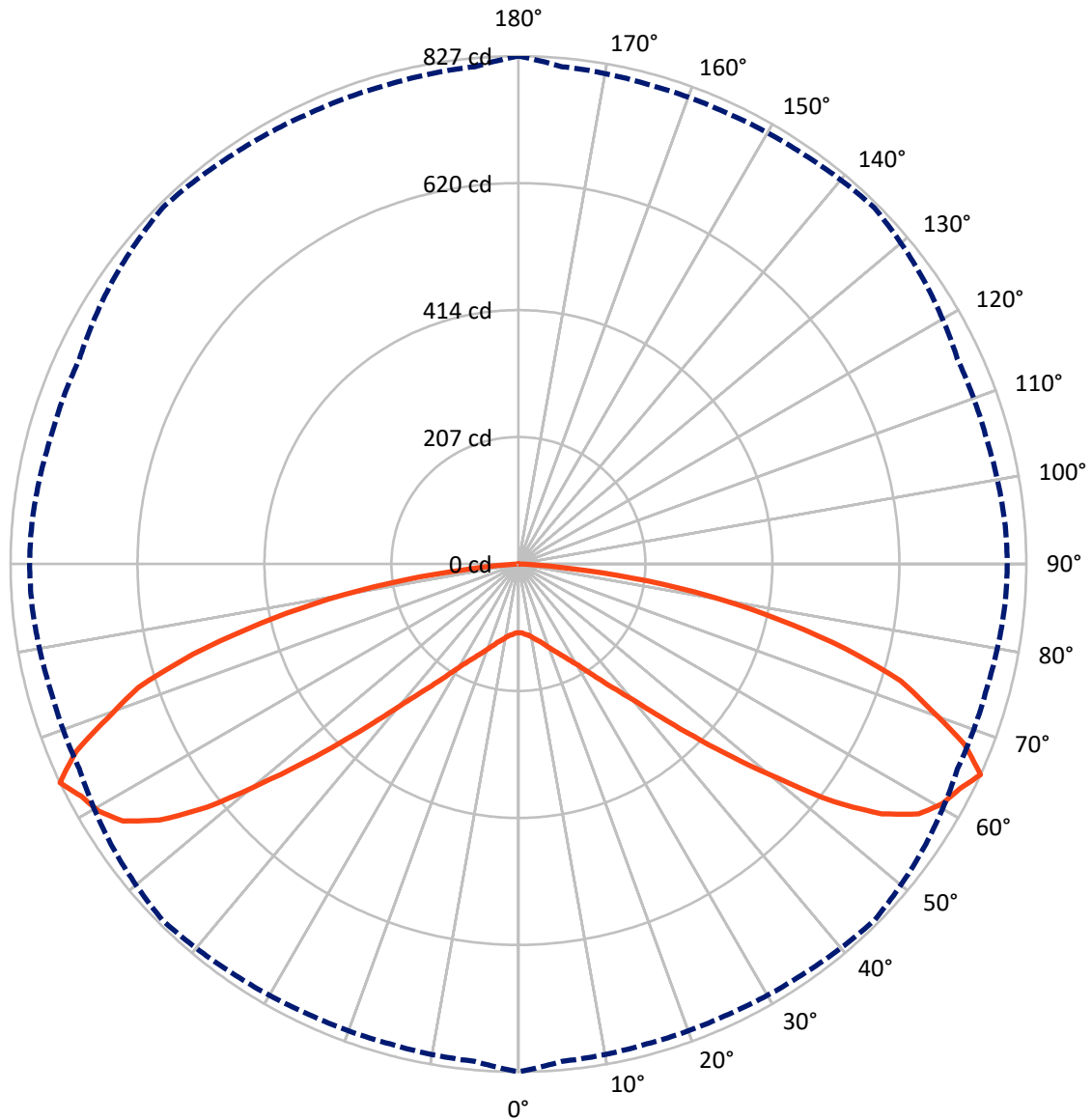
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.5 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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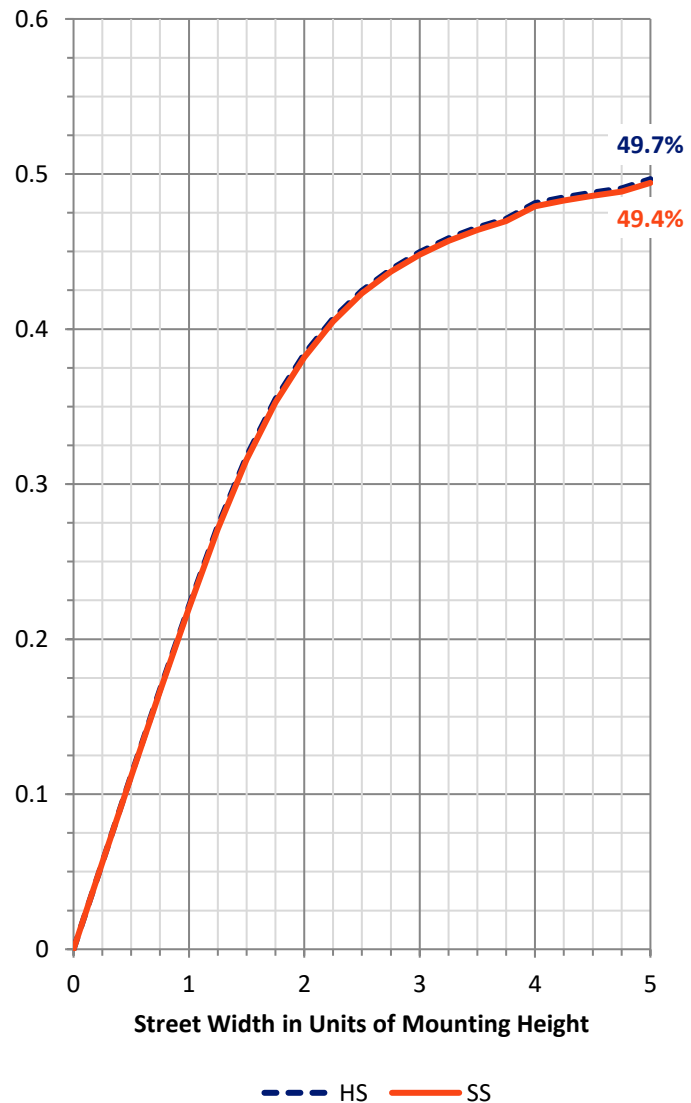
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1342.0	0.0	1342.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1342.0	0.0	1342.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2684.0	0.0	2684.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.1	0.4
10°-20°	37.6	1.4
20°-30°	76.6	2.9
30°-40°	146.3	5.5
40°-50°	311.1	11.6
50°-60°	613.4	22.9
60°-70°	779.1	29.0
70°-80°	584.2	21.8
80°-90°	124.6	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°	2684.0	100.0
0°-180°	2684.0	100.0



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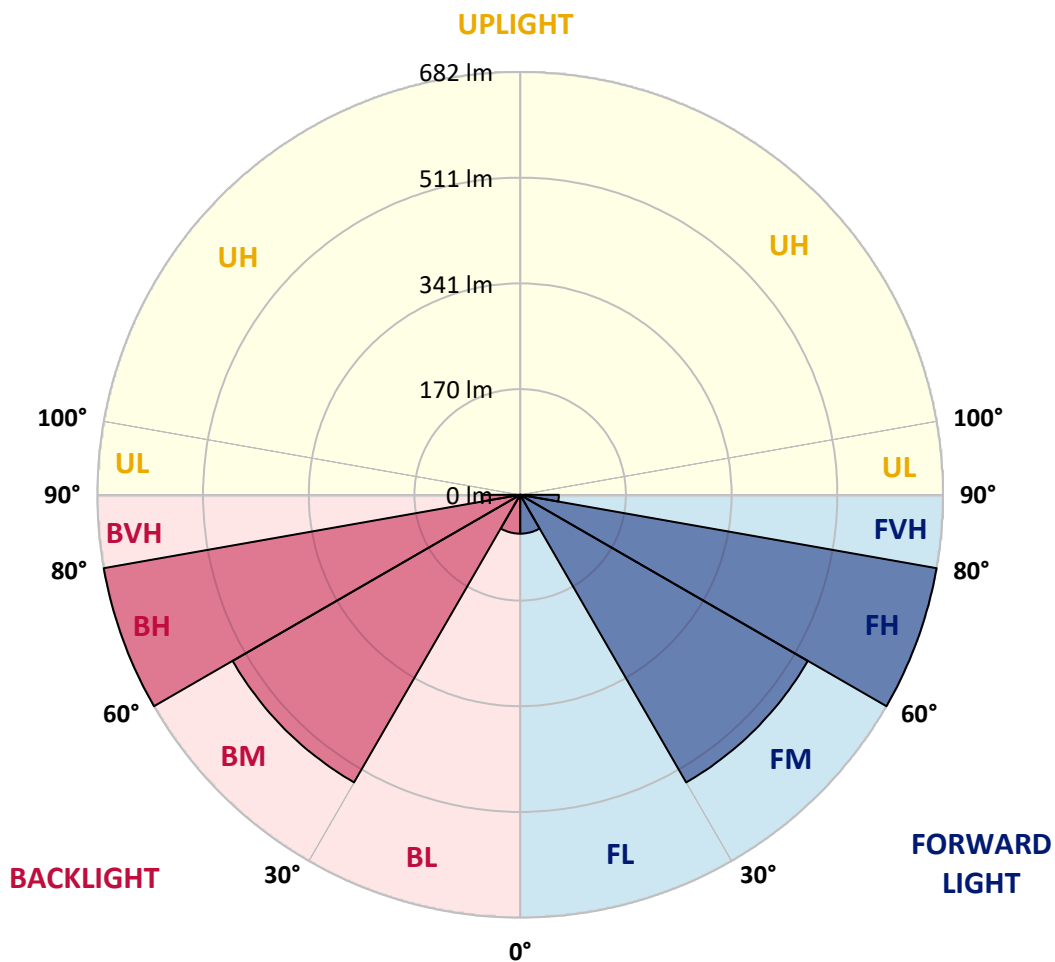
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	62.7	2.3			
FM (30°-60°)	535.4	19.9			
FH (60°-80°)	681.7	25.4			G1/1800
FVH (80°-90°)	62.3	2.3			G1/100
BL (0°-30°)	62.7	2.3	B0/110		
BM (30°-60°)	535.4	19.9	B1/1000		
BH (60°-80°)	681.7	25.4	B2/1000		G1/1800
BVH (80°-90°)	62.3	2.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0
2.5°	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0
5°	115.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0
7.5°	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0
10°	121.0	121.0	121.0	121.0	121.0	121.0	120.0	120.0	120.0	120.0	120.0
12.5°	126.0	126.0	126.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0
15°	131.0	131.0	131.0	131.0	131.0	130.0	130.0	130.0	130.0	130.0	130.0
17.5°	138.0	138.0	138.0	137.0	137.0	137.0	137.0	136.0	137.0	137.0	137.0
20°	146.0	146.0	145.0	145.0	145.0	145.0	144.0	144.0	144.0	144.0	144.0
22.5°	155.0	155.0	154.0	154.0	154.0	153.0	153.0	152.0	152.0	152.0	152.0
25°	165.0	165.0	164.0	164.0	164.0	163.0	162.0	162.0	162.0	162.0	162.0
27.5°	177.0	177.0	176.0	176.0	175.0	174.0	173.0	173.0	173.0	173.0	173.0
30°	191.0	191.0	191.0	190.0	189.0	188.0	187.0	186.0	186.0	186.0	186.0
32.5°	210.0	209.0	209.0	207.0	207.0	205.0	204.0	203.0	203.0	203.0	202.0
35°	233.0	232.0	231.0	231.0	229.0	227.0	225.0	224.0	223.0	223.0	223.0
37.5°	260.0	260.0	258.0	256.0	255.0	253.0	251.0	250.0	249.0	249.0	247.0
40°	294.0	294.0	293.0	291.0	288.0	286.0	286.0	284.0	283.0	282.0	281.0
42.5°	341.0	340.0	338.0	336.0	335.0	330.0	329.0	327.0	326.0	326.0	324.0
45°	400.0	401.0	399.0	395.0	394.0	392.0	387.0	387.0	384.0	382.0	383.0
47.5°	470.0	471.0	468.0	464.0	460.0	454.0	456.0	452.0	451.0	449.0	446.0
50°	549.0	548.0	545.0	541.0	540.0	534.0	532.0	529.0	527.0	529.0	525.0
52.5°	643.1	643.1	639.1	630.1	625.1	625.1	620.1	617.1	614.1	614.1	611.1
55°	718.1	717.1	712.1	708.1	704.1	696.1	697.1	690.1	684.1	685.1	689.1
57.5°	768.1	764.1	761.1	752.1	751.1	750.1	739.1	732.1	732.1	729.1	732.1
60°	793.1	794.1	788.1	782.1	776.1	777.1	765.1	763.1	759.1	760.1	763.1
62.5°	806.1	814.1	813.1	807.1	816.1	797.1	805.1	792.1	787.1	786.1	784.1
65°	827.1	813.1	809.1	809.1	813.1	820.1	806.1	789.1	789.1	795.1	796.1
67.5°	783.1	782.1	787.1	798.1	791.1	791.1	778.1	770.1	766.1	773.1	769.1
70°	713.1	719.1	720.1	739.1	753.1	738.1	740.1	721.1	716.1	727.1	719.1
72.5°	651.1	625.1	644.1	668.1	677.1	687.1	671.1	656.1	651.1	657.1	659.1
75°	550.0	532.0	558.0	579.1	579.1	590.1	571.0	567.0	566.0	564.0	566.0
77.5°	432.0	421.0	438.0	457.0	473.0	469.0	464.0	454.0	456.0	461.0	457.0
80°	315.0	298.0	309.0	328.0	346.0	348.0	350.0	336.0	334.0	342.0	341.0
82.5°	187.0	178.0	187.0	203.0	219.0	223.0	223.0	218.0	214.0	221.0	224.0
85°	64.0	71.0	66.0	71.0	83.0	86.0	89.0	86.0	89.0	94.0	88.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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)