

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: LUMIERE

Report Number: P394748

Luminaire Tested: **303-B1-LEDB2-TSAM-UNV-T5X-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394748
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-3)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-B1-LEDB2-TSAM-UNV-T5X-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 5
Light Source: AMBER LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 374.8 lumens
Efficiency: N/A
Efficacy: 31.0 lumens/watt
Luminous Opening: Rectangular (W 0.38' x L: 0.42' x H: 0')
IES Classification: Type I - Short
BUG Rating: B0 - U0 - G0

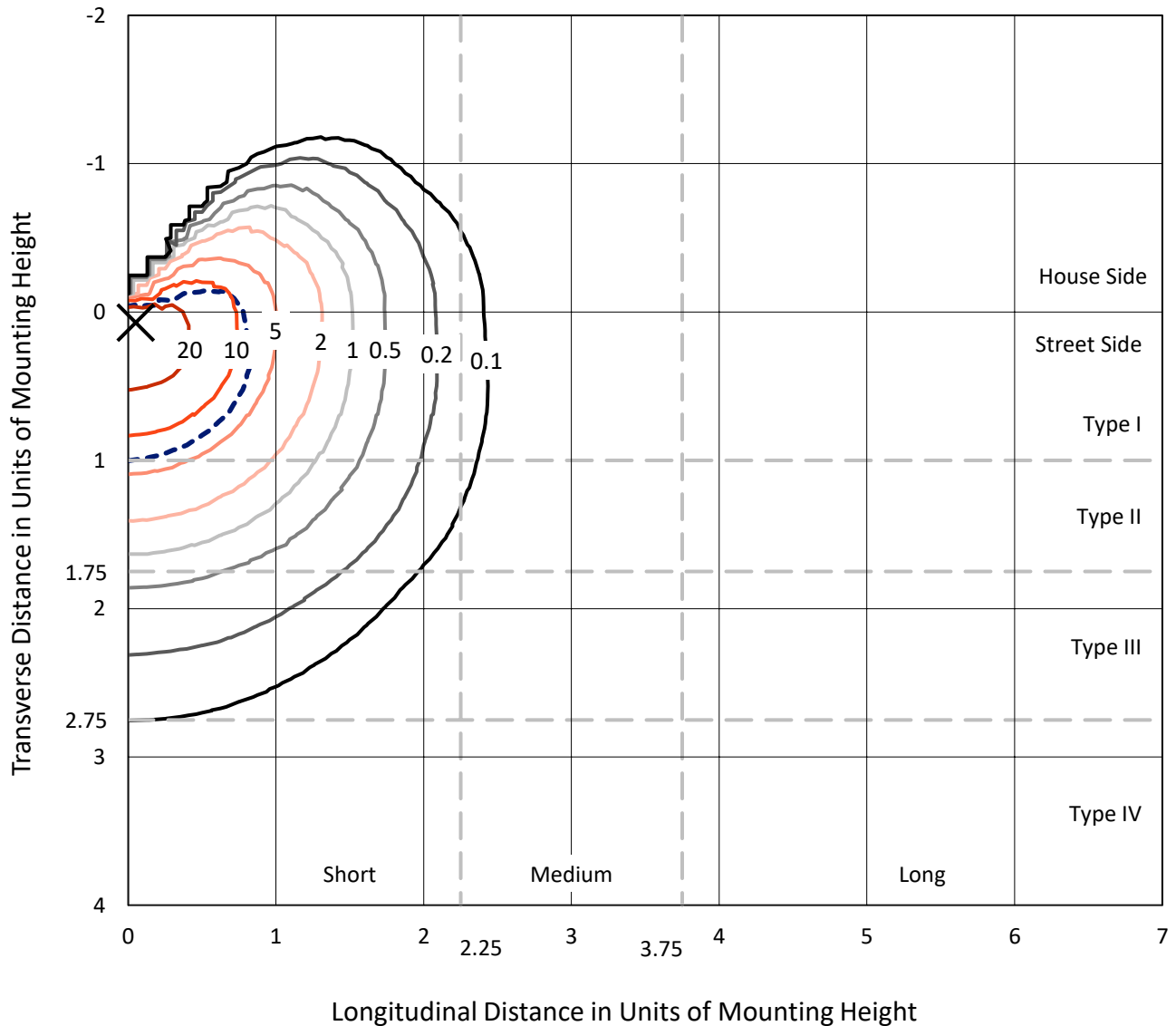
Input Watts (W): 12.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

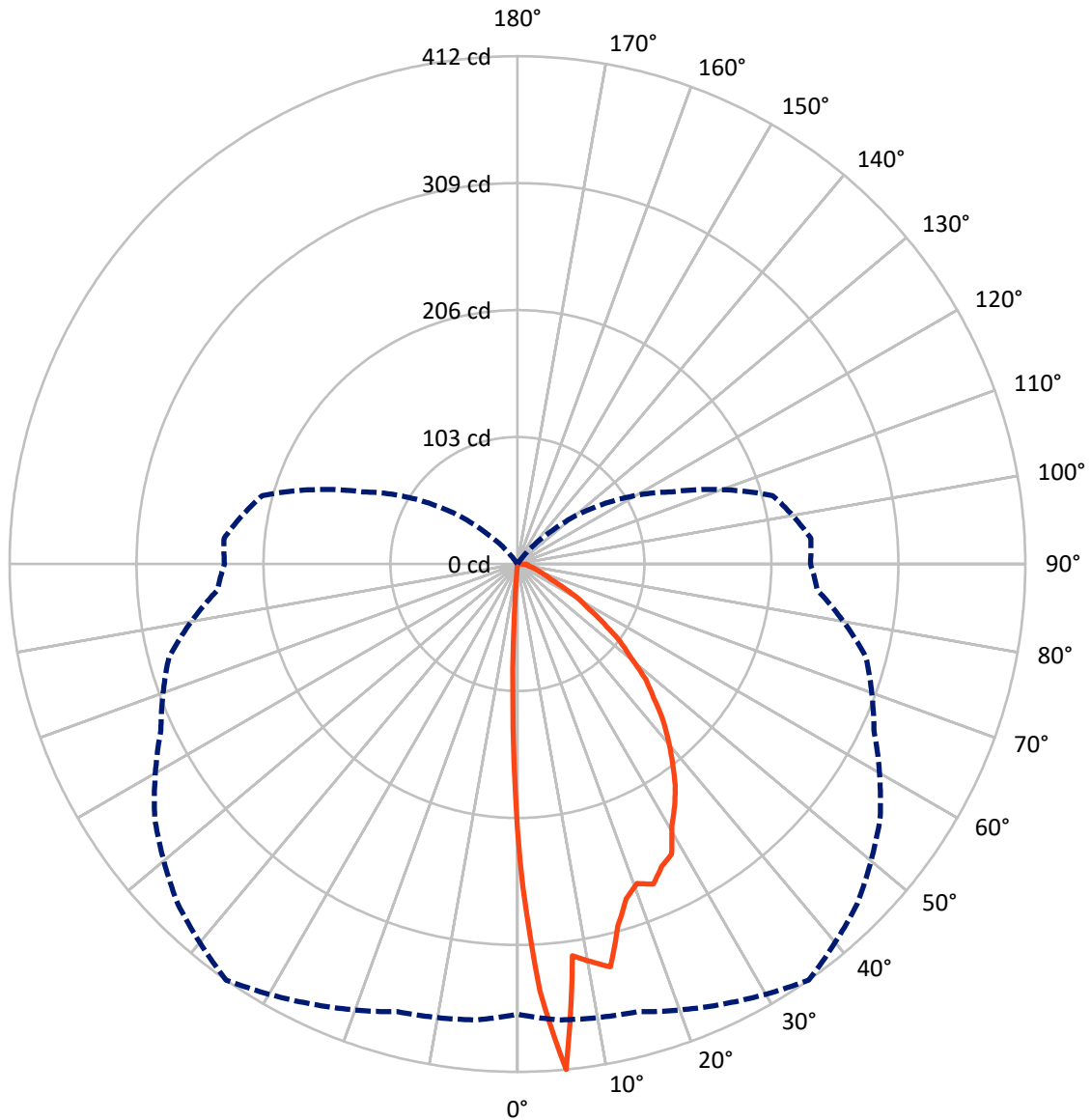
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 35.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 5-Deg Vertical

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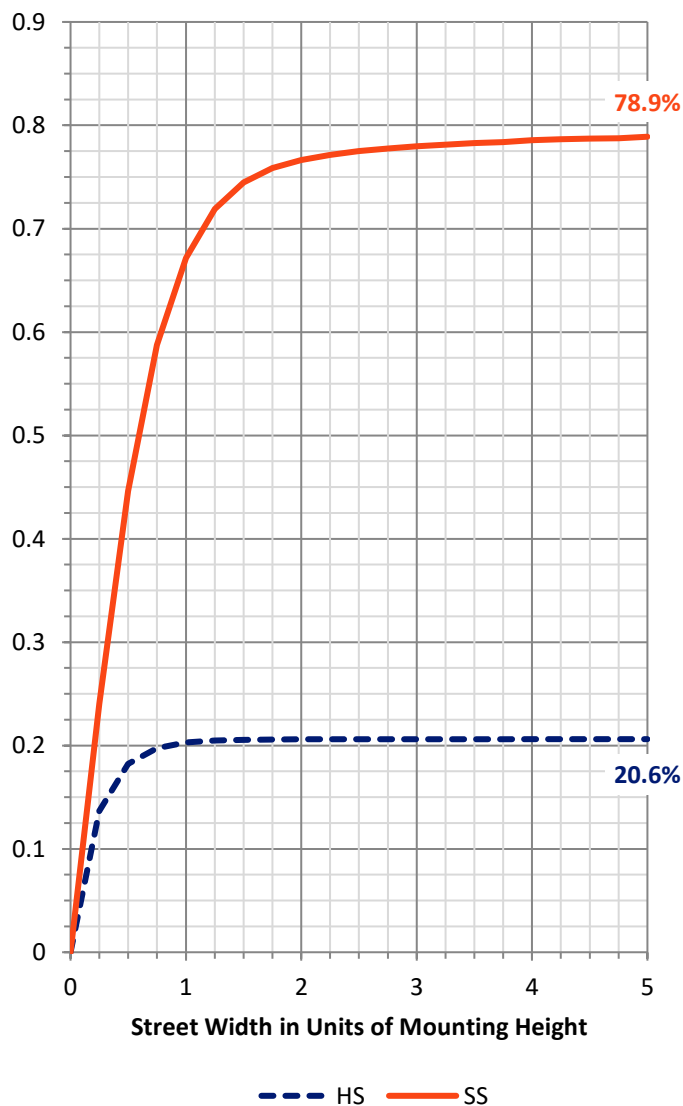
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	78.1	0.0	78.1
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	296.8	0.0	296.8
	% Fixture	79.2	0.0	79.2
Total	Lumens	374.8	0.0	374.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.6	5.2
10°-20°	50.7	13.5
20°-30°	73.7	19.7
30°-40°	83.2	22.2
40°-50°	73.2	19.5
50°-60°	45.5	12.1
60°-70°	18.4	4.9
70°-80°	7.6	2.0
80°-90°	2.9	0.8
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°	374.8	100.0
0°-180°	374.8	100.0

Coefficient of Utilization



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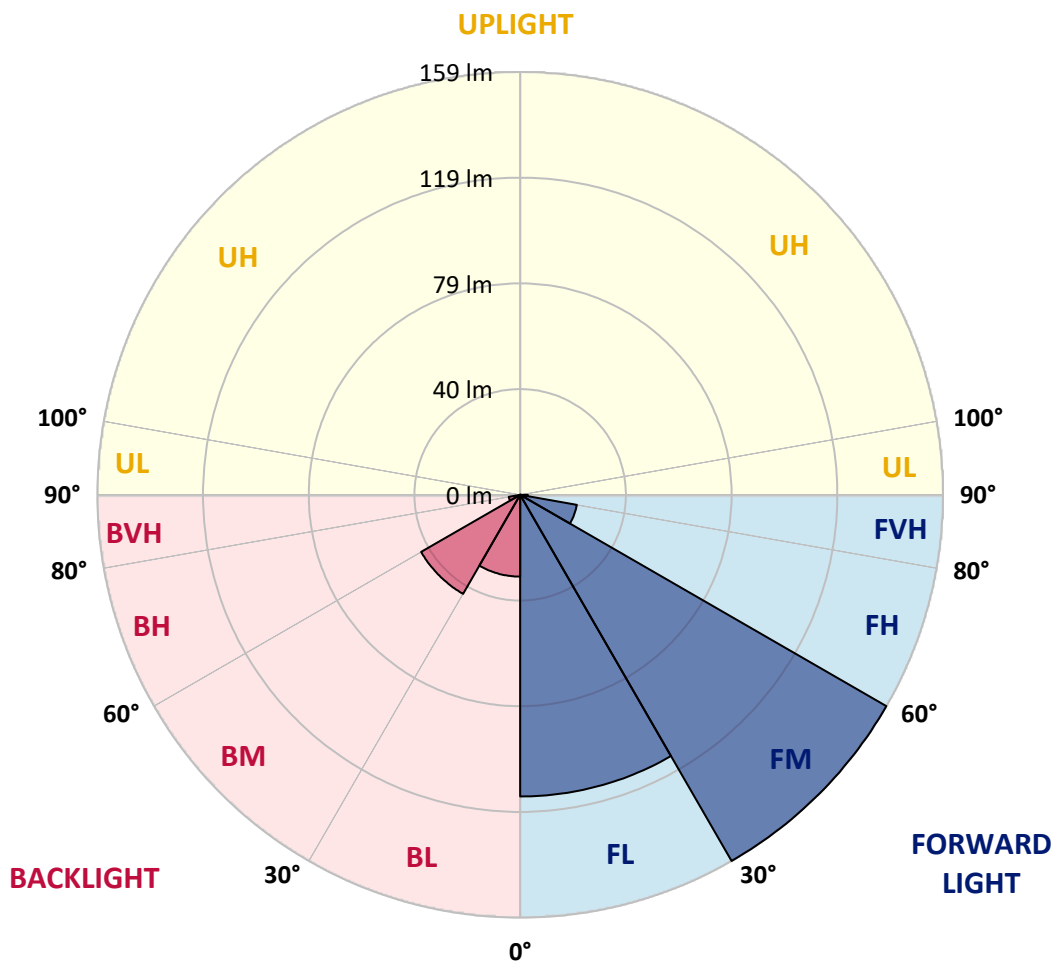
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	113.4	30.2			
FM (30°-60°)	158.9	42.4			
FH (60°-80°)	21.6	5.8			G0/660
FVH (80°-90°)	2.9	0.8			G0/10
BL (0°-30°)	30.7	8.2	B0/110		
BM (30°-60°)	43.0	11.5	B0/220		
BH (60°-80°)	4.3	1.2	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1
2.5°	370.9	362.5	351.7	352.3	346.4	345.8	339.8	267.4	244.7	240.5	240.5
5°	364.9	370.9	375.7	393.6	411.6	389.4	358.9	318.8	292.5	244.1	237.5
7.5°	318.8	313.5	317.7	318.2	320.6	331.4	355.9	314.1	281.8	242.9	235.7
10°	352.3	348.8	354.7	348.2	327.8	292.5	285.3	313.5	270.4	235.1	233.9
12.5°	309.3	306.9	315.3	333.2	335.0	321.8	278.8	276.4	266.8	229.1	230.3
15°	295.5	294.3	295.5	290.7	304.5	315.9	294.9	250.1	260.8	230.9	229.7
17.5°	291.9	291.9	285.9	283.6	285.3	287.1	290.1	250.7	252.4	229.1	223.7
20°	294.3	290.7	287.1	288.3	276.4	277.0	279.4	267.4	234.5	221.9	218.3
22.5°	278.8	275.8	283.0	282.4	281.8	266.8	259.6	259.0	224.3	218.3	216.0
25°	270.4	269.2	267.4	268.0	271.6	266.8	252.4	253.0	215.4	205.8	210.0
27.5°	259.6	257.2	257.8	257.8	266.2	256.0	241.7	238.1	210.6	199.2	200.4
30°	248.9	249.5	248.9	248.3	246.5	241.1	235.7	229.1	212.4	196.8	192.6
32.5°	235.7	232.1	236.3	232.7	233.9	229.1	223.1	220.1	202.8	188.4	183.7
35°	223.7	221.9	223.1	222.5	220.1	215.4	207.6	203.4	191.4	178.3	176.5
37.5°	211.2	207.6	210.6	211.8	204.0	201.6	196.2	190.8	177.7	165.1	165.1
40°	195.0	196.2	193.2	193.8	188.4	186.0	181.3	174.7	165.7	154.3	151.9
42.5°	181.9	177.7	175.3	176.5	172.9	171.7	167.5	163.3	150.2	140.6	139.4
45°	163.3	161.5	161.5	158.5	154.9	154.9	148.4	145.4	137.0	128.0	128.0
47.5°	144.8	144.2	140.6	140.6	140.0	138.8	132.8	126.8	121.4	110.7	111.9
50°	128.0	127.4	125.6	126.2	119.0	118.4	114.9	108.9	102.3	96.9	96.3
52.5°	108.3	107.1	107.1	104.1	104.1	102.3	96.9	93.3	87.3	82.0	82.0
55°	87.9	88.5	87.9	85.5	84.9	83.7	79.0	75.4	71.2	64.6	62.8
57.5°	71.8	74.2	70.6	68.8	68.2	67.0	65.2	61.0	55.0	49.7	48.5
60°	49.1	49.1	49.7	53.8	56.2	52.6	50.8	46.1	41.9	37.1	35.9
62.5°	38.9	38.9	38.9	37.7	41.3	40.1	38.9	35.9	31.7	27.5	26.3
65°	31.7	31.7	31.1	30.5	29.9	31.1	29.9	26.3	23.9	20.9	20.3
67.5°	26.9	26.3	26.9	25.7	24.5	23.9	23.3	21.5	19.1	16.2	15.6
70°	22.7	22.7	22.1	20.9	19.7	17.9	18.5	16.7	15.0	12.6	12.6
72.5°	19.1	19.1	18.5	17.9	16.2	15.0	13.8	13.8	11.4	9.6	9.0
75°	16.2	16.2	15.6	15.0	13.8	12.6	10.8	9.6	8.4	6.6	6.0
77.5°	14.4	13.8	13.8	12.6	11.4	10.2	8.4	7.2	6.0	4.2	4.2
80°	12.0	12.0	12.0	10.8	9.6	8.4	7.2	5.4	4.2	2.4	1.8
82.5°	10.8	10.2	10.2	9.6	8.4	7.2	5.4	3.6	2.4	1.2	0.6
85°	9.6	9.6	9.0	8.4	7.8	6.0	4.8	3.0	1.2	0.0	0.0
87.5°	9.0	9.0	8.4	7.8	7.2	6.0	4.2	3.0	1.2	0.0	0.0
90°	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1
2.5°	239.9	241.1	238.1	152.5	109.5	105.9	106.5	105.9	101.7	99.3
5°	238.7	214.2	138.2	84.3	34.1	0.0	0.0	0.0	0.0	0.0
7.5°	236.9	204.6	137.6	82.0	34.7	0.0	0.0	0.0	0.0	0.0
10°	231.5	201.6	135.8	87.9	34.1	0.0	0.0	0.0	0.0	0.0
12.5°	231.5	199.8	132.8	91.5	33.5	0.0	0.0	0.0	0.0	0.0
15°	229.1	196.8	132.2	92.1	33.5	0.0	0.0	0.0	0.0	0.0
17.5°	223.7	195.0	129.8	90.3	32.9	0.0	0.0	0.0	0.0	0.0
20°	216.6	188.4	126.8	89.1	32.3	0.0	0.0	0.0	0.0	0.0
22.5°	213.6	178.3	123.8	84.3	31.1	0.0	0.0	0.0	0.0	0.0
25°	205.2	173.5	120.2	82.0	29.9	0.0	0.0	0.0	0.0	0.0
27.5°	200.4	166.3	116.1	77.8	28.7	0.0	0.0	0.0	0.0	0.0
30°	187.8	165.1	110.1	77.8	27.5	0.0	0.0	0.0	0.0	0.0
32.5°	183.7	159.1	106.5	74.2	25.7	0.0	0.0	0.0	0.0	0.0
35°	171.7	151.9	101.1	70.0	24.5	0.0	0.0	0.0	0.0	0.0
37.5°	163.9	141.2	93.3	65.2	22.1	0.0	0.0	0.0	0.0	0.0
40°	152.5	131.0	87.3	59.2	11.4	0.0	0.0	0.0	0.0	0.0
42.5°	137.6	118.4	80.2	55.0	19.1	0.0	0.0	0.0	0.0	0.0
45°	126.2	107.7	72.4	46.1	17.3	0.0	0.0	0.0	0.0	0.0
47.5°	110.1	94.5	62.2	43.7	15.0	0.0	0.0	0.0	0.0	0.0
50°	95.1	80.8	53.2	37.7	13.2	0.0	0.0	0.0	0.0	0.0
52.5°	79.0	68.2	44.3	31.7	10.8	0.0	0.0	0.0	0.0	0.0
55°	62.2	53.2	36.5	25.7	8.4	0.0	0.0	0.0	0.0	0.0
57.5°	47.9	42.5	28.7	19.7	6.6	0.0	0.0	0.0	0.0	0.0
60°	36.5	30.5	22.1	13.2	4.8	0.0	0.0	0.0	0.0	0.0
62.5°	26.3	22.1	15.6	10.2	3.6	0.0	0.0	0.0	0.0	0.0
65°	20.3	16.7	10.8	7.2	2.4	0.0	0.0	0.0	0.0	0.0
67.5°	15.6	12.6	8.4	4.8	1.2	0.0	0.0	0.0	0.0	0.0
70°	12.6	9.6	6.0	3.0	1.2	0.0	0.0	0.0	0.0	0.0
72.5°	9.0	7.2	4.8	2.4	0.6	0.0	0.0	0.0	0.0	0.0
75°	6.0	4.8	3.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	3.6	3.0	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)