

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: P394740

Luminaire Tested: **303-B1-LEDB1-2700-UNV-T5X-DIM10**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394740  
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-LEDB1-2700-UNV-T5X-DIM10  
Description: LUMIERE EON LED LUMINAIRE  
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 5  
Light Source: 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 560.3 lumens  
Efficiency: N/A  
Efficacy: 66.7 lumens/watt  
Luminous Opening: Rectangular (W 0.38' x L: 0.21' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B0 - U0 - G0

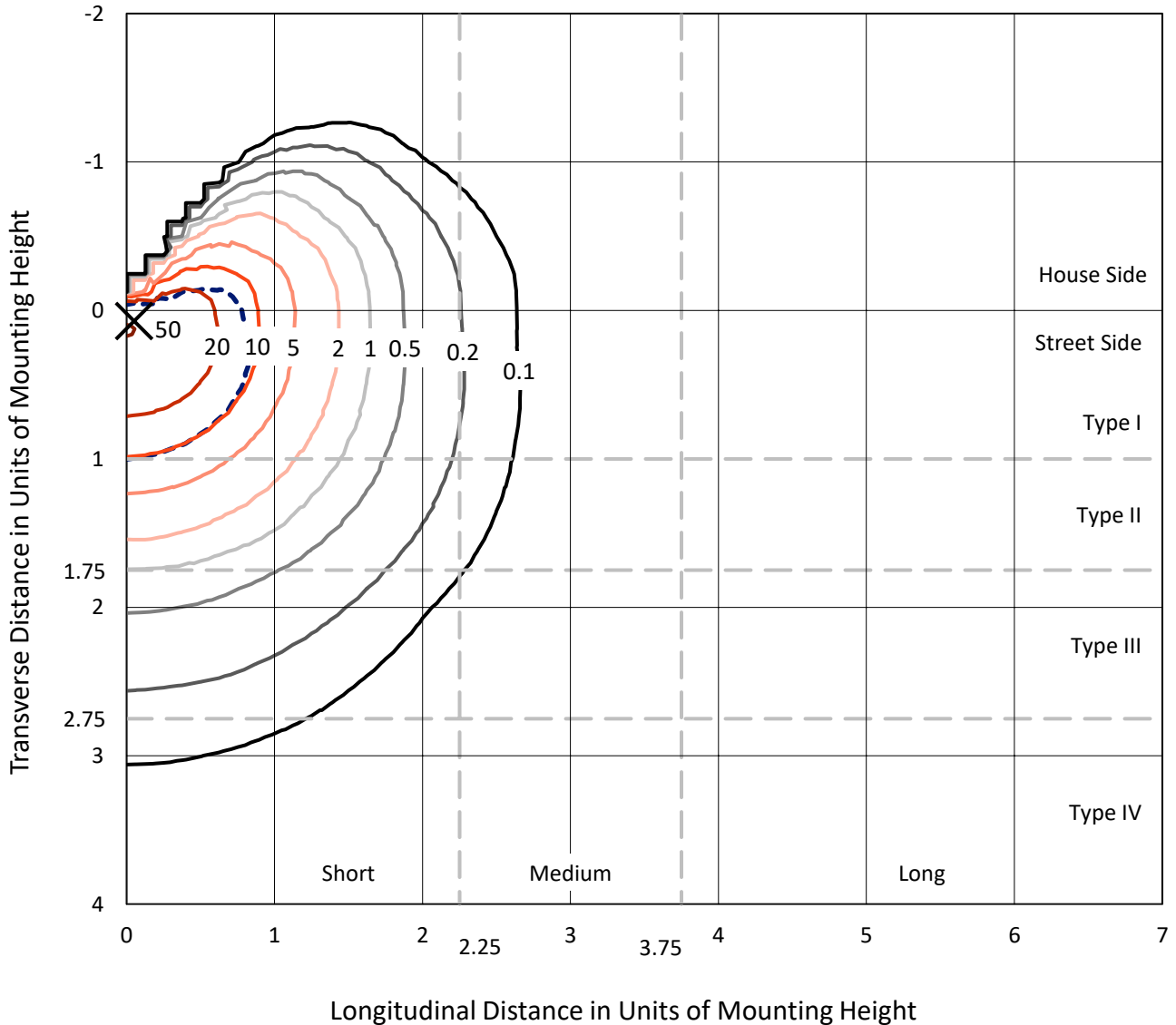
Input Watts (W): 8.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

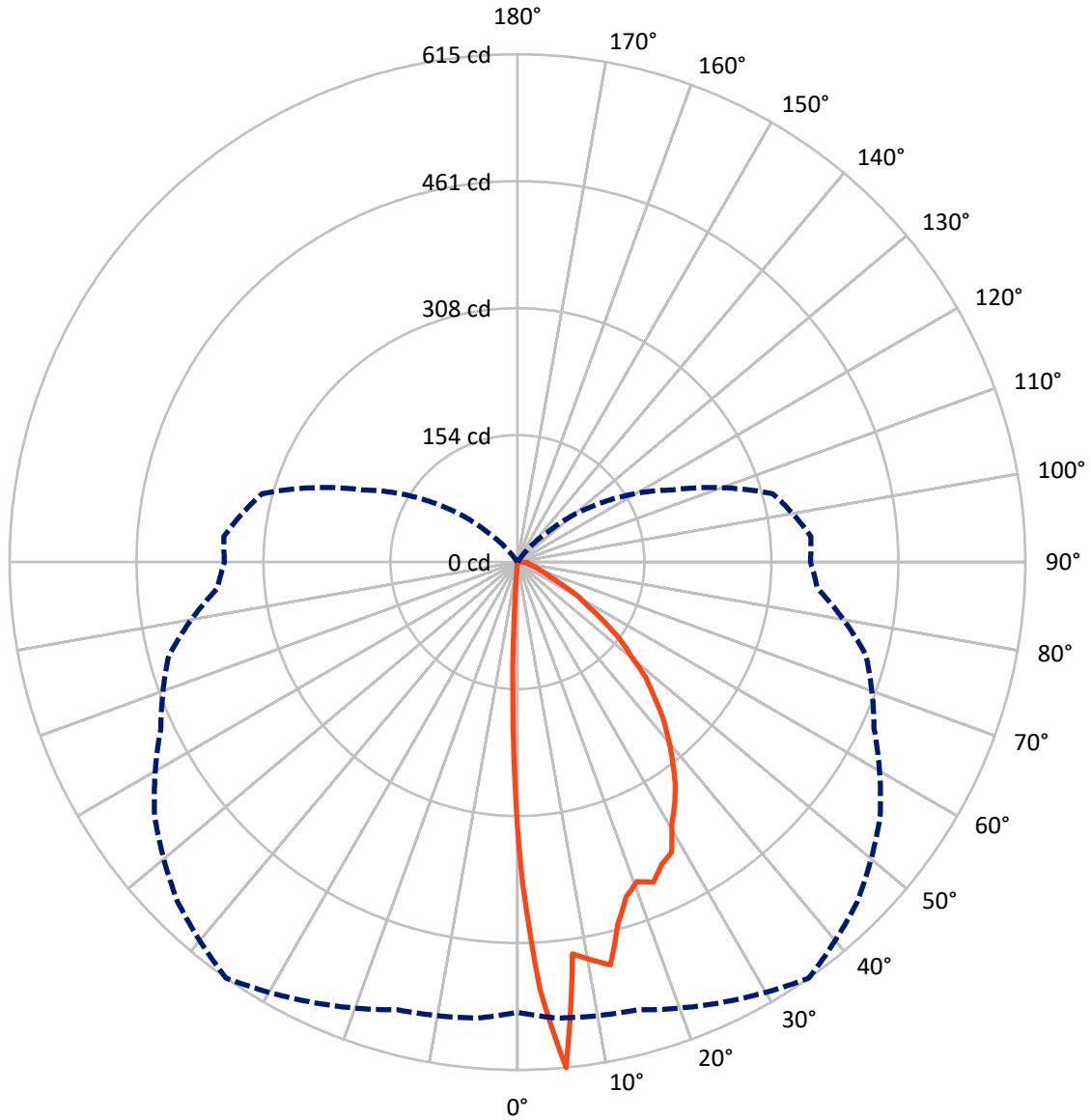
× Max cd  
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 52.9 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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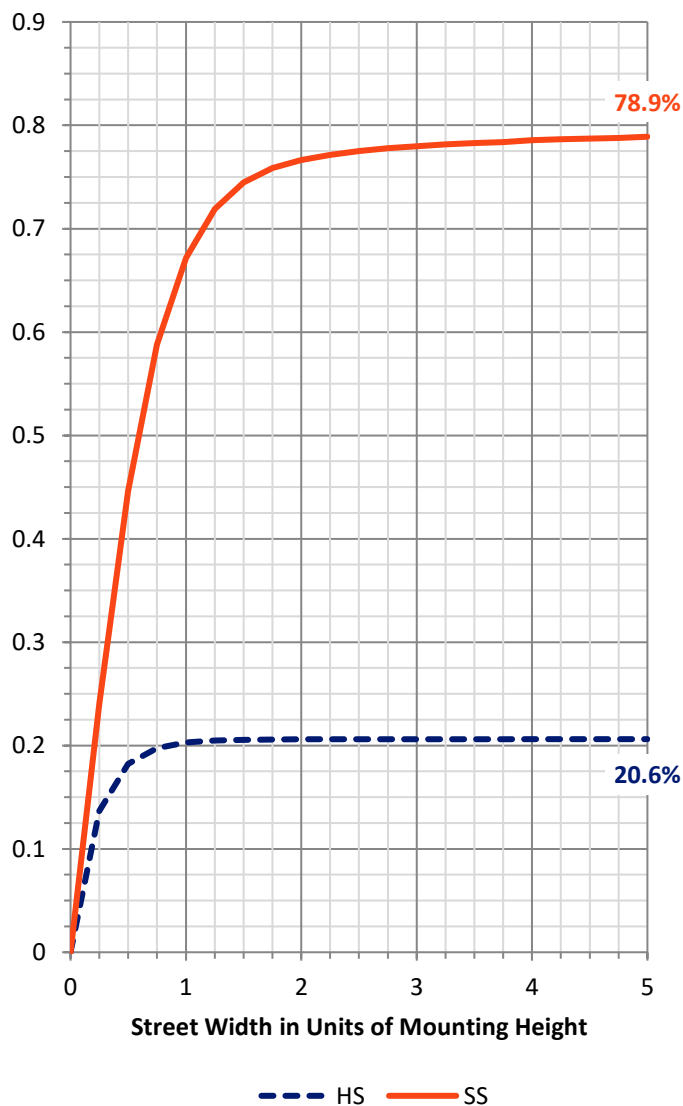
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	116.7	0.0	116.7
	% Fixture	20.8	0.0	20.8
<b>Street Side</b>	Lumens	443.5	0.0	443.5
	% Fixture	79.2	0.0	79.2
<b>Total</b>	Lumens	560.3	0.0	560.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.3	5.2
10°-20°	75.8	13.5
20°-30°	110.2	19.7
30°-40°	124.3	22.2
40°-50°	109.4	19.5
50°-60°	68.0	12.1
60°-70°	27.5	4.9
70°-80°	11.3	2.0
80°-90°	4.4	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°	560.3	100.0
0°-180°	560.3	100.0

**Coefficient of Utilization**



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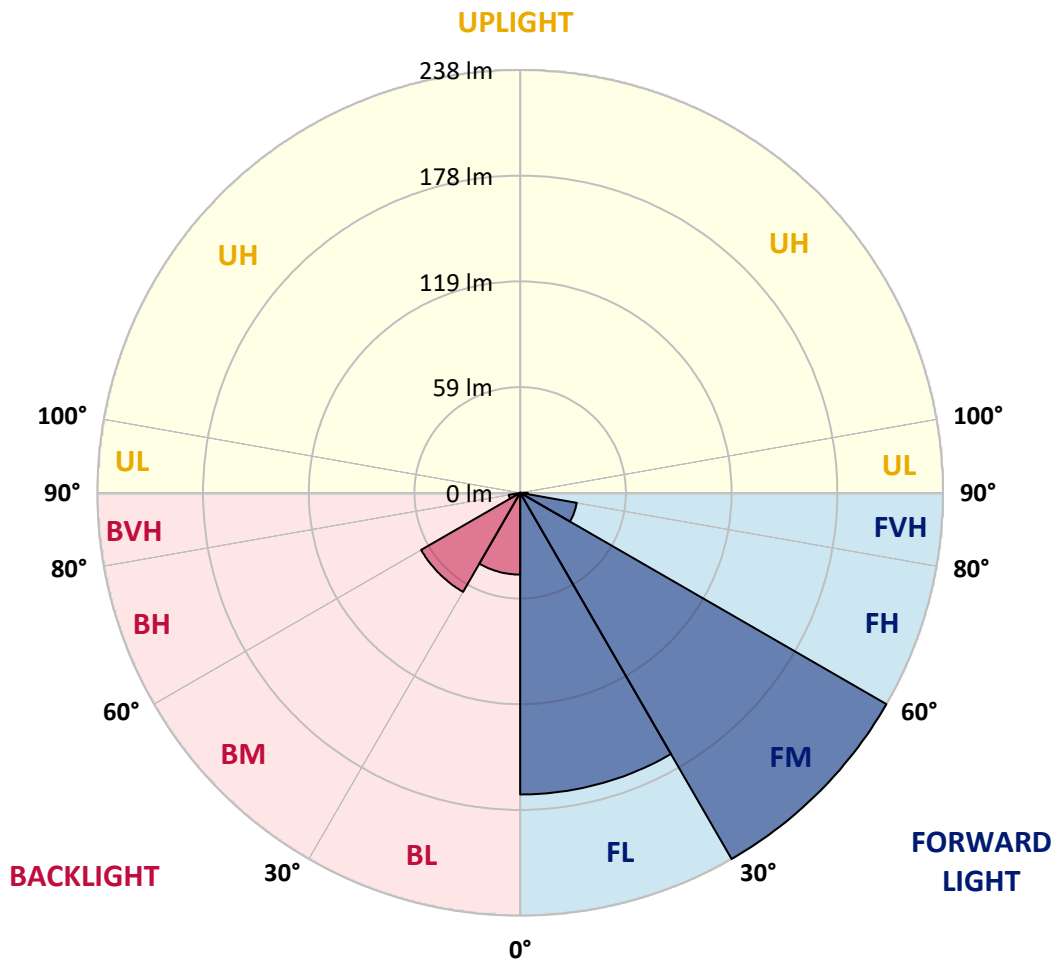
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	169.5	30.2			
FM	(30°-60°)	237.5	42.4			
FH	(60°-80°)	32.3	5.8			G0/660
FVH	(80°-90°)	4.3	0.8			G0/10
BL	(0°-30°)	45.9	8.2	B0/110		
BM	(30°-60°)	64.2	11.5	B0/220		
BH	(60°-80°)	6.5	1.2	B0/110		G0/110
BVH	(80°-90°)	0.1	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°	360.3	360.3	360.3	360.3	360.3	360.3	360.3	360.3	360.3	360.3	360.3
2.5°	554.4	541.9	525.8	526.7	517.7	516.8	507.9	399.7	365.7	359.5	359.5
5°	545.4	554.4	561.5	588.4	615.2	582.1	536.5	476.6	437.2	364.8	355.0
7.5°	476.6	468.5	474.8	475.7	479.3	495.4	532.0	469.4	421.1	363.0	352.3
10°	526.7	521.3	530.2	520.4	490.0	437.2	426.5	468.5	404.2	351.4	349.6
12.5°	462.3	458.7	471.2	498.0	500.7	481.1	416.7	413.1	398.8	342.5	344.3
15°	441.7	439.9	441.7	434.6	455.1	472.1	440.8	373.8	389.9	345.1	343.4
17.5°	436.4	436.4	427.4	423.8	426.5	429.2	433.7	374.7	377.3	342.5	334.4
20°	439.9	434.6	429.2	431.0	413.1	414.0	417.6	399.7	350.5	331.7	326.4
22.5°	416.7	412.2	422.9	422.0	421.1	398.8	388.1	387.2	335.3	326.4	322.8
25°	404.2	402.4	399.7	400.6	405.9	398.8	377.3	378.2	321.9	307.6	313.9
27.5°	388.1	384.5	385.4	385.4	397.9	382.7	361.2	355.9	314.7	297.8	299.5
30°	372.0	372.9	372.0	371.1	368.4	360.3	352.3	342.5	317.4	294.2	287.9
32.5°	352.3	346.9	353.2	347.8	349.6	342.5	333.5	329.1	303.1	281.7	274.5
35°	334.4	331.7	333.5	332.6	329.1	321.9	310.3	304.0	286.1	266.5	263.8
37.5°	315.6	310.3	314.7	316.5	304.9	301.3	293.3	285.2	265.6	246.8	246.8
40°	291.5	293.3	288.8	289.7	281.7	278.1	270.9	261.1	247.7	230.7	227.1
42.5°	271.8	265.6	262.0	263.8	258.4	256.6	250.4	244.1	224.4	210.1	208.3
45°	244.1	241.4	241.4	237.0	231.6	231.6	221.8	217.3	204.8	191.4	191.4
47.5°	216.4	215.5	210.1	210.1	209.2	207.4	198.5	189.6	181.5	165.4	167.2
50°	191.4	190.5	187.8	188.7	177.9	177.0	171.7	162.7	152.9	144.9	144.0
52.5°	161.8	160.1	160.1	155.6	155.6	152.9	144.9	139.5	130.5	122.5	122.5
55°	131.4	132.3	131.4	127.9	127.0	125.2	118.0	112.7	106.4	96.6	93.9
57.5°	107.3	110.9	105.5	102.8	101.9	100.1	97.5	91.2	82.3	74.2	72.4
60°	73.3	73.3	74.2	80.5	84.1	78.7	76.0	68.9	62.6	55.4	53.6
62.5°	58.1	58.1	58.1	56.3	61.7	59.9	58.1	53.6	47.4	41.1	39.3
65°	47.4	47.4	46.5	45.6	44.7	46.5	44.7	39.3	35.8	31.3	30.4
67.5°	40.2	39.3	40.2	38.4	36.7	35.8	34.9	32.2	28.6	24.1	23.2
70°	34.0	34.0	33.1	31.3	29.5	26.8	27.7	25.0	22.4	18.8	18.8
72.5°	28.6	28.6	27.7	26.8	24.1	22.4	20.6	20.6	17.0	14.3	13.4
75°	24.1	24.1	23.2	22.4	20.6	18.8	16.1	14.3	12.5	9.8	8.9
77.5°	21.5	20.6	20.6	18.8	17.0	15.2	12.5	10.7	8.9	6.3	6.3
80°	17.9	17.9	17.9	16.1	14.3	12.5	10.7	8.0	6.3	3.6	2.7
82.5°	16.1	15.2	15.2	14.3	12.5	10.7	8.0	5.4	3.6	1.8	0.9
85°	14.3	14.3	13.4	12.5	11.6	8.9	7.2	4.5	1.8	0.0	0.0
87.5°	13.4	13.4	12.5	11.6	10.7	8.9	6.3	4.5	1.8	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°	360.3	360.3	360.3	360.3	360.3	360.3	360.3	360.3	360.3	360.3
2.5°	358.6	360.3	355.9	228.0	163.6	158.3	159.2	158.3	152.0	148.4
5°	356.8	320.1	206.6	126.1	51.0	0.0	0.0	0.0	0.0	0.0
7.5°	354.1	305.8	205.7	122.5	51.9	0.0	0.0	0.0	0.0	0.0
10°	346.0	301.3	203.0	131.4	51.0	0.0	0.0	0.0	0.0	0.0
12.5°	346.0	298.6	198.5	136.8	50.1	0.0	0.0	0.0	0.0	0.0
15°	342.5	294.2	197.6	137.7	50.1	0.0	0.0	0.0	0.0	0.0
17.5°	334.4	291.5	194.0	135.0	49.2	0.0	0.0	0.0	0.0	0.0
20°	323.7	281.7	189.6	133.2	48.3	0.0	0.0	0.0	0.0	0.0
22.5°	319.2	266.5	185.1	126.1	46.5	0.0	0.0	0.0	0.0	0.0
25°	306.7	259.3	179.7	122.5	44.7	0.0	0.0	0.0	0.0	0.0
27.5°	299.5	248.6	173.5	116.2	42.9	0.0	0.0	0.0	0.0	0.0
30°	280.8	246.8	164.5	116.2	41.1	0.0	0.0	0.0	0.0	0.0
32.5°	274.5	237.8	159.2	110.9	38.4	0.0	0.0	0.0	0.0	0.0
35°	256.6	227.1	151.1	104.6	36.7	0.0	0.0	0.0	0.0	0.0
37.5°	245.0	211.0	139.5	97.5	33.1	0.0	0.0	0.0	0.0	0.0
40°	228.0	195.8	130.5	88.5	17.0	0.0	0.0	0.0	0.0	0.0
42.5°	205.7	177.0	119.8	82.3	28.6	0.0	0.0	0.0	0.0	0.0
45°	188.7	160.9	108.2	68.9	25.9	0.0	0.0	0.0	0.0	0.0
47.5°	164.5	141.3	93.0	65.3	22.4	0.0	0.0	0.0	0.0	0.0
50°	142.2	120.7	79.6	56.3	19.7	0.0	0.0	0.0	0.0	0.0
52.5°	118.0	101.9	66.2	47.4	16.1	0.0	0.0	0.0	0.0	0.0
55°	93.0	79.6	54.5	38.4	12.5	0.0	0.0	0.0	0.0	0.0
57.5°	71.5	63.5	42.9	29.5	9.8	0.0	0.0	0.0	0.0	0.0
60°	54.5	45.6	33.1	19.7	7.2	0.0	0.0	0.0	0.0	0.0
62.5°	39.3	33.1	23.2	15.2	5.4	0.0	0.0	0.0	0.0	0.0
65°	30.4	25.0	16.1	10.7	3.6	0.0	0.0	0.0	0.0	0.0
67.5°	23.2	18.8	12.5	7.2	1.8	0.0	0.0	0.0	0.0	0.0
70°	18.8	14.3	8.9	4.5	1.8	0.0	0.0	0.0	0.0	0.0
72.5°	13.4	10.7	7.2	3.6	0.9	0.0	0.0	0.0	0.0	0.0
75°	8.9	7.2	4.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	5.4	4.5	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.7	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.9	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)