

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: P394769

Luminaire Tested: **303-B2-LEDB4-3000-UNV-T4-DIM10**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394769  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (Compare Roadway Adding Tool)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/9/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 303-B2-LEDB4-3000-UNV-T4-DIM10  
Description: LUMIERE EON LED LUMINAIRE  
BOLLARD, DUAL HEAD, FOUR LIGHTBAR, TYPE 4  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2397.8 lumens  
Efficiency: N/A  
Efficacy: 78.4 lumens/watt  
Luminous Opening: Rectangular (W 0.38' x L: 1.06' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G1

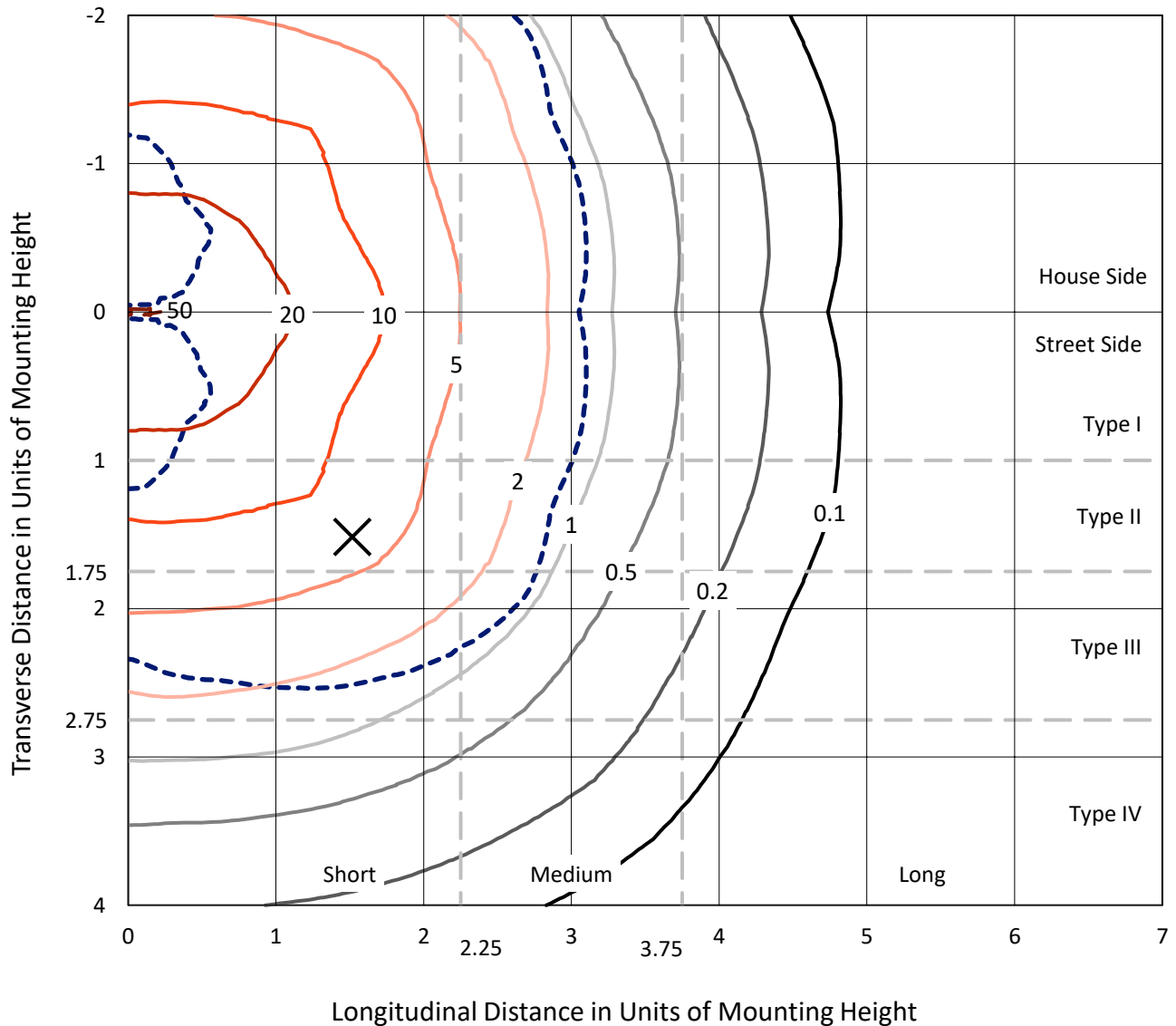
Input Watts (W): 30.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

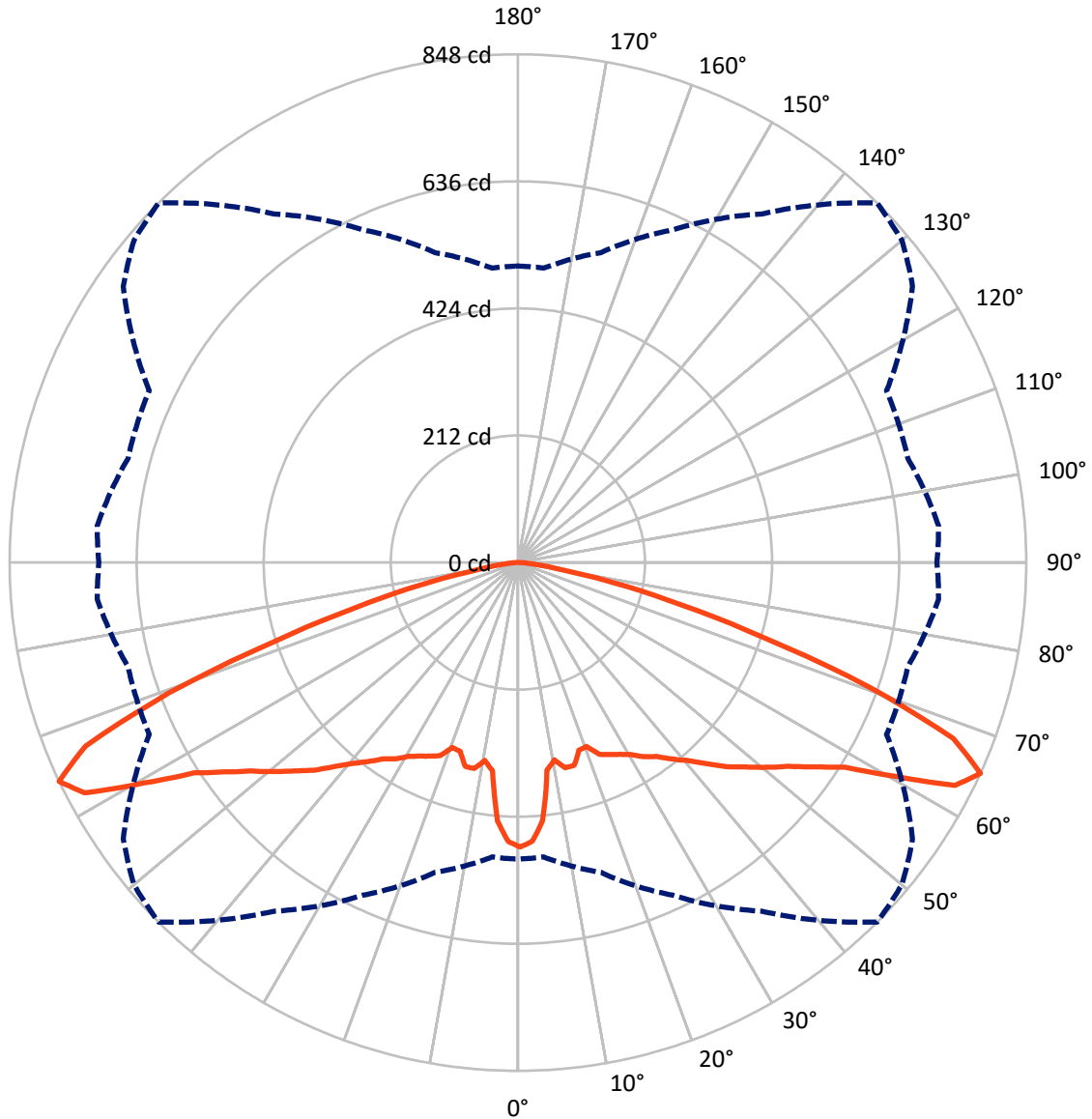
× Max cd  
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 52.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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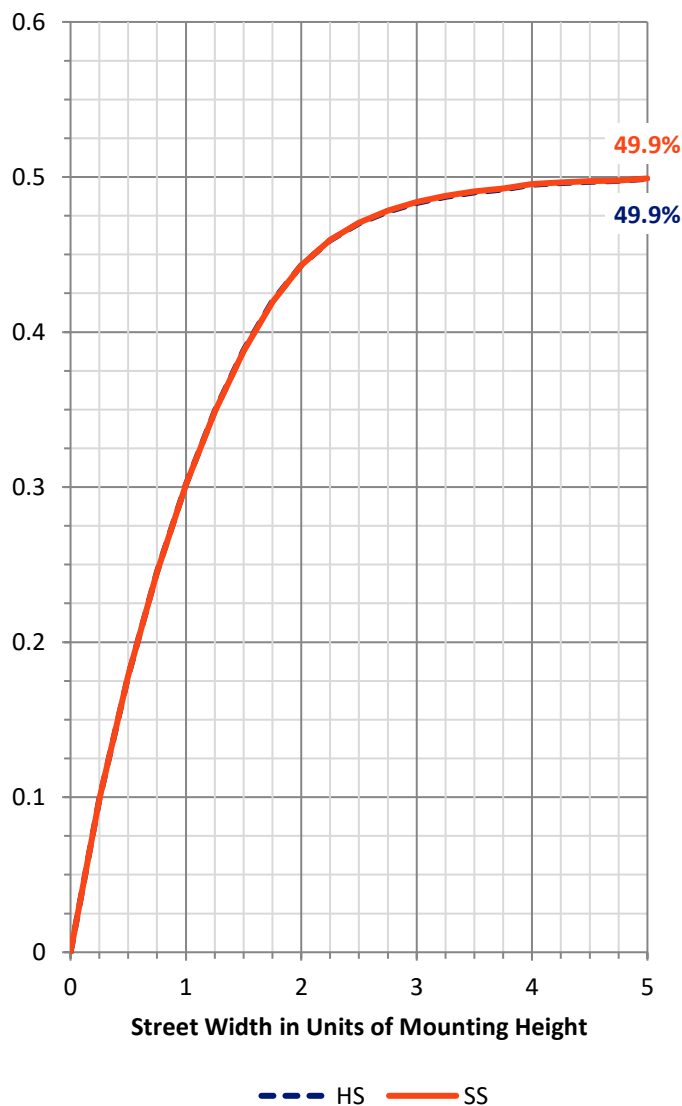
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1198.9	0.0	1198.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1198.9	0.0	1198.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2397.8	0.0	2397.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.0	1.6
10°-20°	104.7	4.4
20°-30°	176.8	7.4
30°-40°	272.4	11.4
40°-50°	372.9	15.6
50°-60°	505.6	21.1
60°-70°	630.0	26.3
70°-80°	273.7	11.4
80°-90°	22.7	0.9
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°	2397.8	100.0
0°-180°	2397.8	100.0

**Coefficient of Utilization**



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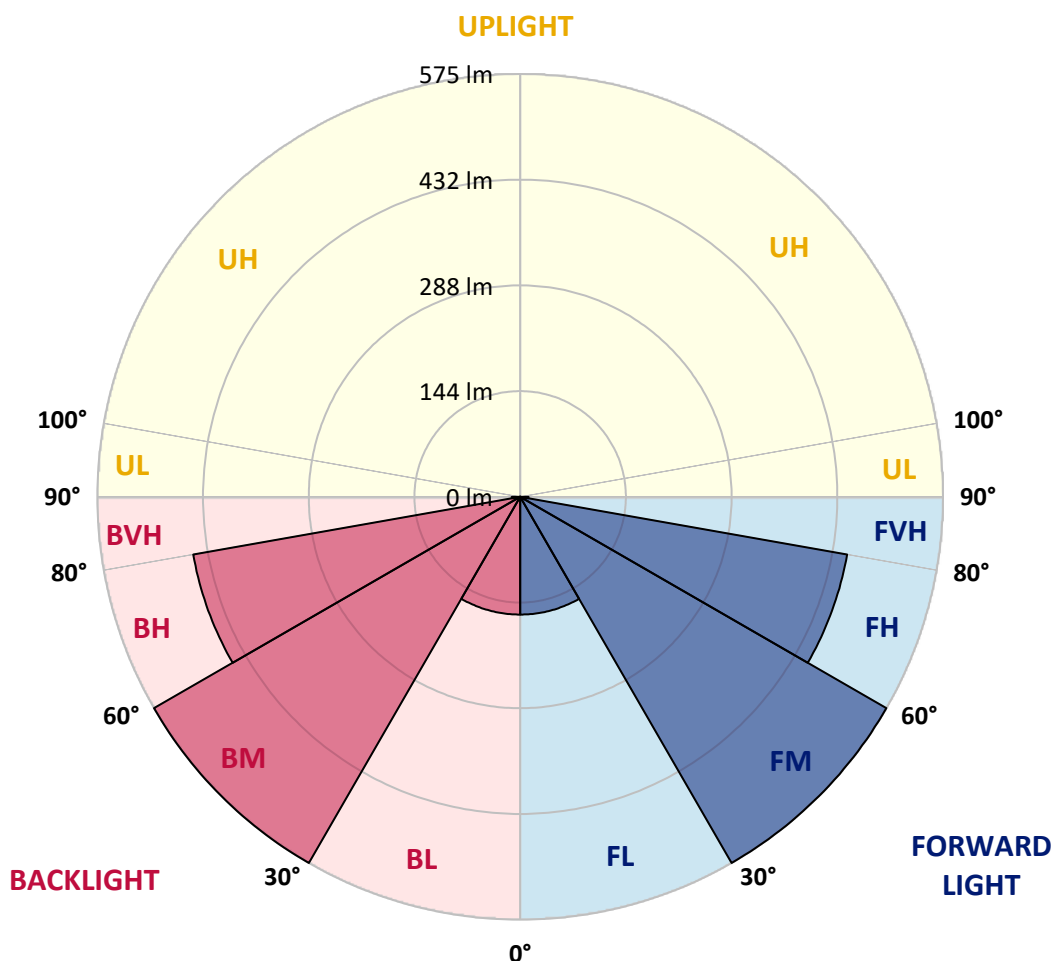
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	160.2	6.7			
FM (30°-60°)	575.5	24.0			
FH (60°-80°)	451.8	18.8			G0/660
FVH (80°-90°)	11.4	0.5			G1/100
BL (0°-30°)	160.2	6.7	B1/500		
BM (30°-60°)	575.5	24.0	B1/1000		
BH (60°-80°)	451.8	18.8	B1/500		G0/660
BVH (80°-90°)	11.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	474.6	474.6	474.6	474.6	474.6	474.6	474.6	474.6	474.6	474.6	474.6
2.5°	461.7	452.5	455.3	458.0	453.4	448.8	452.5	456.2	460.8	465.4	467.0
5°	347.6	351.3	356.8	362.4	367.9	373.4	392.7	412.0	422.1	432.3	441.5
7.5°	331.1	329.3	323.7	318.2	315.5	312.7	315.5	318.2	333.9	349.5	387.2
10°	336.6	334.8	334.8	334.8	335.7	336.6	335.7	334.8	334.8	334.8	346.0
12.5°	307.2	301.7	305.3	309.0	311.8	314.5	324.7	334.8	343.1	351.3	366.0
15°	303.5	301.7	300.7	299.8	299.8	299.8	303.5	307.2	329.3	351.3	375.1
17.5°	314.5	310.9	309.0	307.2	304.4	301.7	301.7	301.7	315.5	329.3	362.2
20°	323.7	316.4	314.5	312.7	311.8	310.9	309.9	309.0	318.2	327.4	357.6
22.5°	323.7	318.2	319.1	320.1	318.2	316.4	320.1	323.7	335.7	347.6	362.8
25°	327.4	323.7	322.8	321.9	322.8	323.7	324.7	325.6	340.3	355.0	379.8
27.5°	331.1	325.6	327.4	329.3	330.2	331.1	333.9	336.6	349.5	362.4	393.8
30°	338.5	334.8	337.5	340.3	341.2	342.1	342.1	342.1	356.8	371.6	404.3
32.5°	351.3	344.0	351.3	358.7	358.7	358.7	356.8	355.0	370.6	386.3	416.1
35°	366.0	364.2	367.0	369.7	374.3	378.9	380.8	382.6	390.0	397.3	427.5
37.5°	377.1	371.6	376.2	380.8	388.1	395.5	399.2	402.8	409.3	415.7	440.4
40°	382.6	378.9	387.2	395.5	406.5	417.5	423.1	428.6	431.3	434.1	455.7
42.5°	384.4	380.8	393.6	406.5	417.5	428.6	439.6	450.7	454.3	458.0	475.3
45°	391.8	395.5	404.7	413.9	425.8	437.8	453.4	469.1	477.3	485.6	493.1
47.5°	410.2	408.4	416.6	424.9	438.7	452.5	472.7	493.0	501.2	509.5	510.4
50°	415.7	421.2	432.3	443.3	455.3	467.2	487.4	507.7	522.4	537.1	541.3
52.5°	445.1	437.8	448.8	459.9	473.6	487.4	509.5	531.6	548.1	564.7	567.9
55°	454.3	474.6	481.9	489.3	504.0	518.7	541.7	564.7	583.1	601.5	595.8
57.5°	509.5	505.8	516.0	526.1	540.8	555.5	571.1	586.8	615.3	643.8	639.7
60°	540.8	535.3	552.7	570.2	590.5	610.7	634.6	658.5	691.6	724.7	707.4
62.5°	546.3	546.3	561.9	577.6	606.1	634.6	679.7	724.7	771.6	818.5	798.8
65°	494.8	493.0	514.1	535.3	573.9	612.5	661.3	710.0	779.0	848.0	836.2
67.5°	397.3	424.9	442.4	459.9	491.1	522.4	573.9	625.4	704.5	783.6	784.9
70°	342.1	367.9	376.2	384.4	409.3	434.1	469.1	504.0	562.9	621.7	647.7
72.5°	266.7	259.4	276.8	294.3	317.3	340.3	358.7	377.1	402.8	428.6	455.7
75°	163.7	165.5	173.8	182.1	198.7	215.2	235.4	255.7	267.6	279.6	281.1
77.5°	86.5	88.3	93.8	99.3	107.6	115.9	126.0	136.1	150.8	165.5	163.2
80°	51.5	51.5	54.3	57.0	59.8	62.5	68.1	73.6	74.5	75.4	77.3
82.5°	23.9	27.6	28.5	29.4	30.4	31.3	34.0	36.8	38.6	40.5	37.5
85°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	15.6	16.6	15.1
87.5°	11.0	11.0	11.0	11.0	11.0	11.0	10.1	9.2	9.2	9.2	7.8
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):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	474.6	474.6	474.6	474.6	474.6	474.6	474.6	474.6
2.5°	469.1	489.3	509.5	493.9	478.2	475.5	472.7	470.9
5°	445.1	456.2	467.2	485.6	504.0	493.0	481.9	481.9
7.5°	426.7	440.5	454.3	470.0	485.6	486.5	487.4	481.9
10°	358.7	401.9	445.1	460.8	476.4	478.2	480.1	485.6
12.5°	373.4	392.7	412.0	443.3	474.6	478.2	481.9	485.6
15°	395.5	397.3	399.2	435.9	472.7	477.3	481.9	485.6
17.5°	391.8	402.8	413.9	437.8	461.7	469.1	476.4	474.6
20°	382.6	402.8	423.1	425.8	428.6	452.5	476.4	478.2
22.5°	378.9	405.6	432.3	430.4	428.6	451.6	474.6	470.9
25°	399.2	419.4	439.6	440.5	441.5	458.0	474.6	474.6
27.5°	419.4	431.3	443.3	457.1	470.9	483.8	496.6	485.6
30°	430.4	440.5	450.7	468.1	485.6	496.6	507.7	504.0
32.5°	439.6	458.9	478.2	492.0	505.8	518.7	531.6	529.8
35°	452.5	470.0	487.4	504.9	522.4	538.9	555.5	555.5
37.5°	459.9	476.4	493.0	514.1	535.3	551.8	568.4	566.5
40°	472.7	483.8	494.8	514.1	533.4	555.5	577.6	573.9
42.5°	485.6	492.0	498.5	515.0	531.6	553.7	575.7	577.6
45°	494.8	498.5	502.2	516.0	529.8	557.3	584.9	584.9
47.5°	504.0	504.9	505.8	518.7	531.6	560.1	588.6	599.6
50°	531.6	524.2	516.9	529.8	542.6	572.1	601.5	618.0
52.5°	555.5	542.6	529.8	541.7	553.7	586.8	619.9	640.1
55°	583.1	565.6	548.1	560.1	572.1	610.7	649.3	654.8
57.5°	621.7	603.3	584.9	597.8	610.7	643.8	676.9	687.9
60°	678.7	652.1	625.4	638.3	651.2	681.5	711.9	724.7
62.5°	759.7	721.1	682.4	682.4	682.4	709.1	735.8	728.4
65°	803.8	741.3	678.7	676.0	673.2	688.9	704.5	699.0
67.5°	759.7	700.8	642.0	633.7	625.4	631.8	638.3	621.7
70°	651.2	598.7	546.3	541.7	537.1	534.4	531.6	515.0
72.5°	474.6	446.1	417.5	421.2	424.9	415.7	406.5	390.0
75°	275.9	274.1	272.2	276.8	281.4	273.2	264.9	246.5
77.5°	154.5	149.0	143.5	146.2	149.0	143.5	138.0	121.4
80°	79.1	71.7	64.4	67.1	69.9	58.9	47.8	36.8
82.5°	33.1	32.2	31.3	29.4	27.6	23.9	20.2	18.4
85°	12.9	12.9	12.9	12.0	11.0	9.2	7.4	7.4
87.5°	7.4	6.4	5.5	3.7	1.8	1.8	1.8	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)