

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: P394768

Luminaire Tested: **303-B2-LEDB4-2700-UNV-T4-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394768
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-LEDB4-2700-UNV-T4-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, DUAL HEAD, FOUR LIGHTBAR, TYPE 4
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2331.2 lumens
Efficiency: N/A
Efficacy: 76.2 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

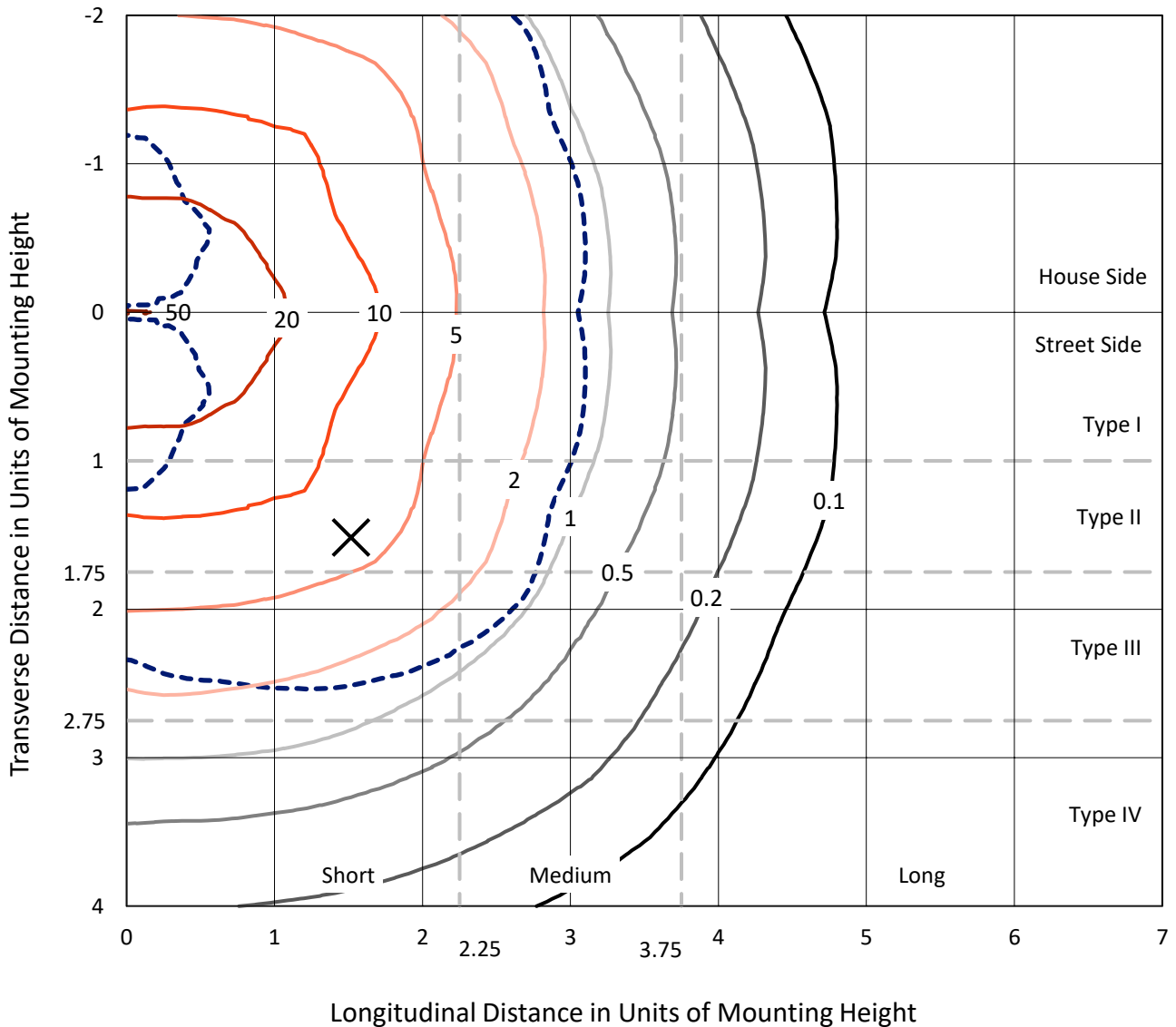
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

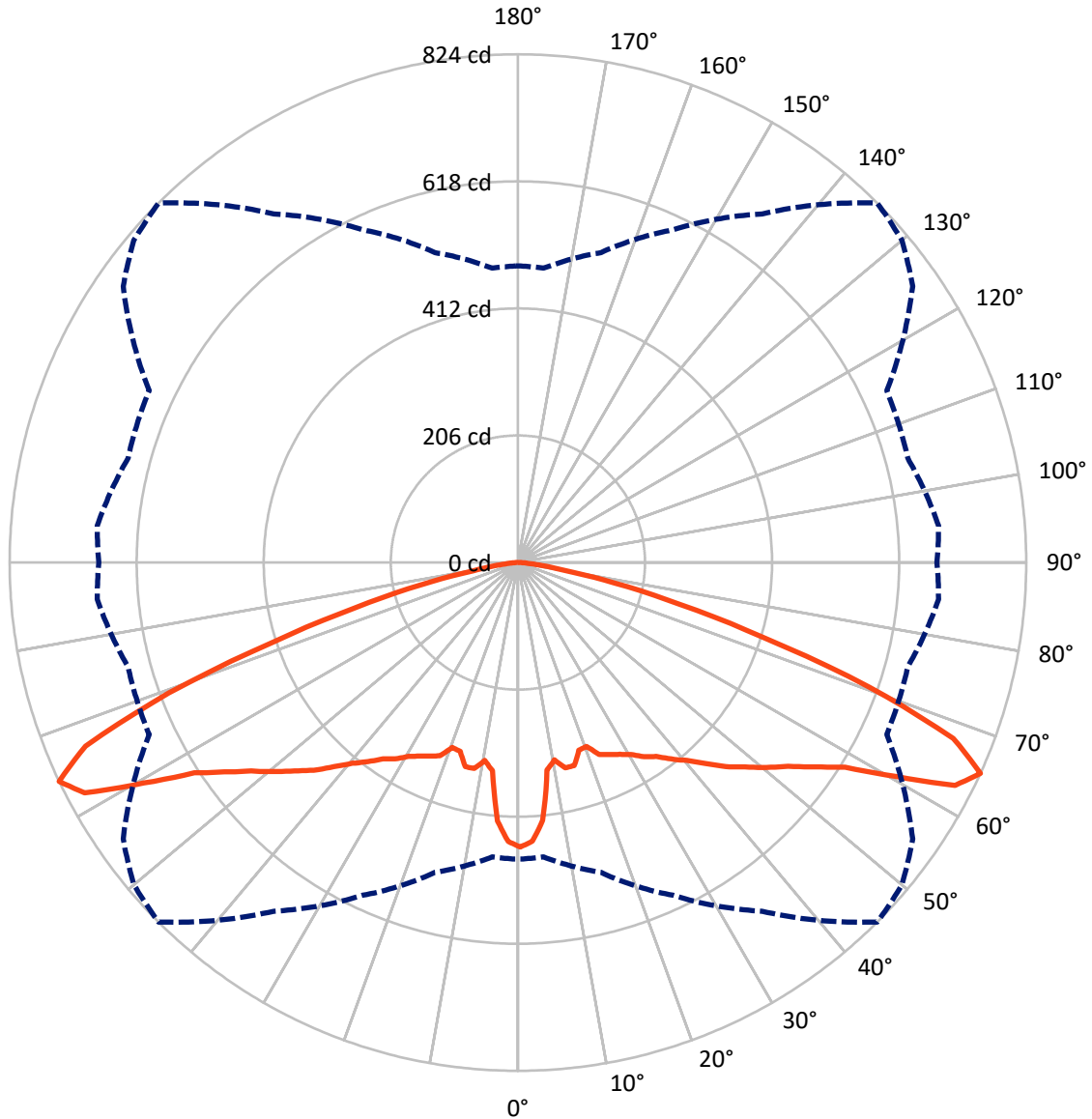
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 51.3 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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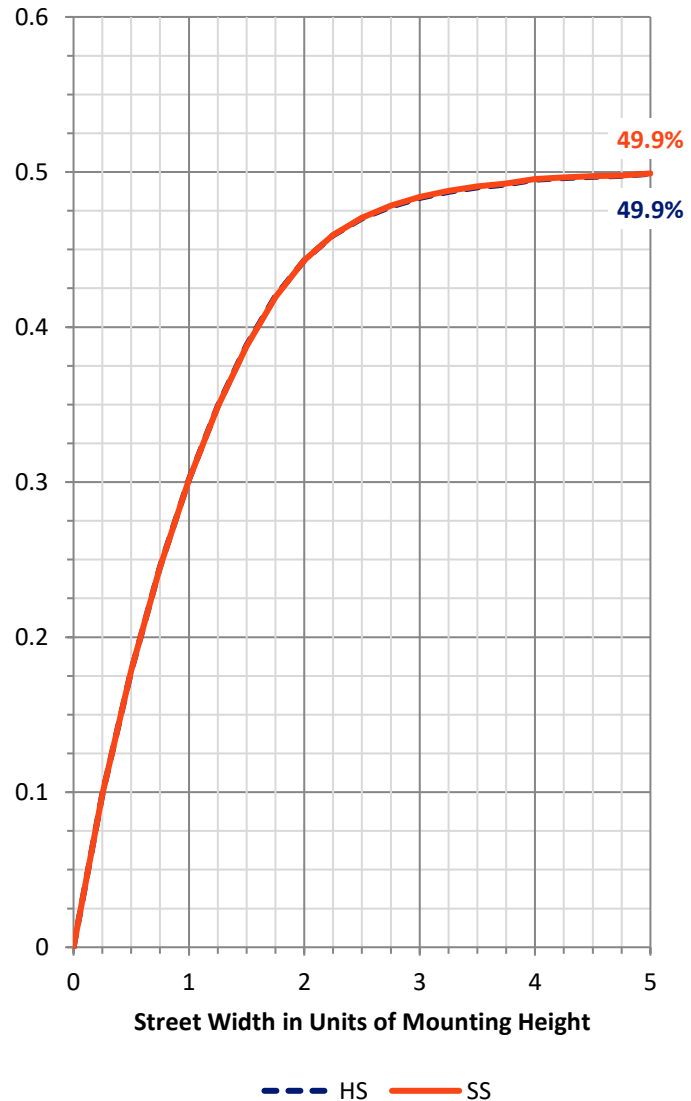
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1165.6	0.0	1165.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1165.6	0.0	1165.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	2331.2	0.0	2331.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.9	1.6
10°-20°	101.8	4.4
20°-30°	171.9	7.4
30°-40°	264.8	11.4
40°-50°	362.5	15.6
50°-60°	491.6	21.1
60°-70°	612.5	26.3
70°-80°	266.1	11.4
80°-90°	22.1	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°	2331.2	100.0
0°-180°	2331.2	100.0



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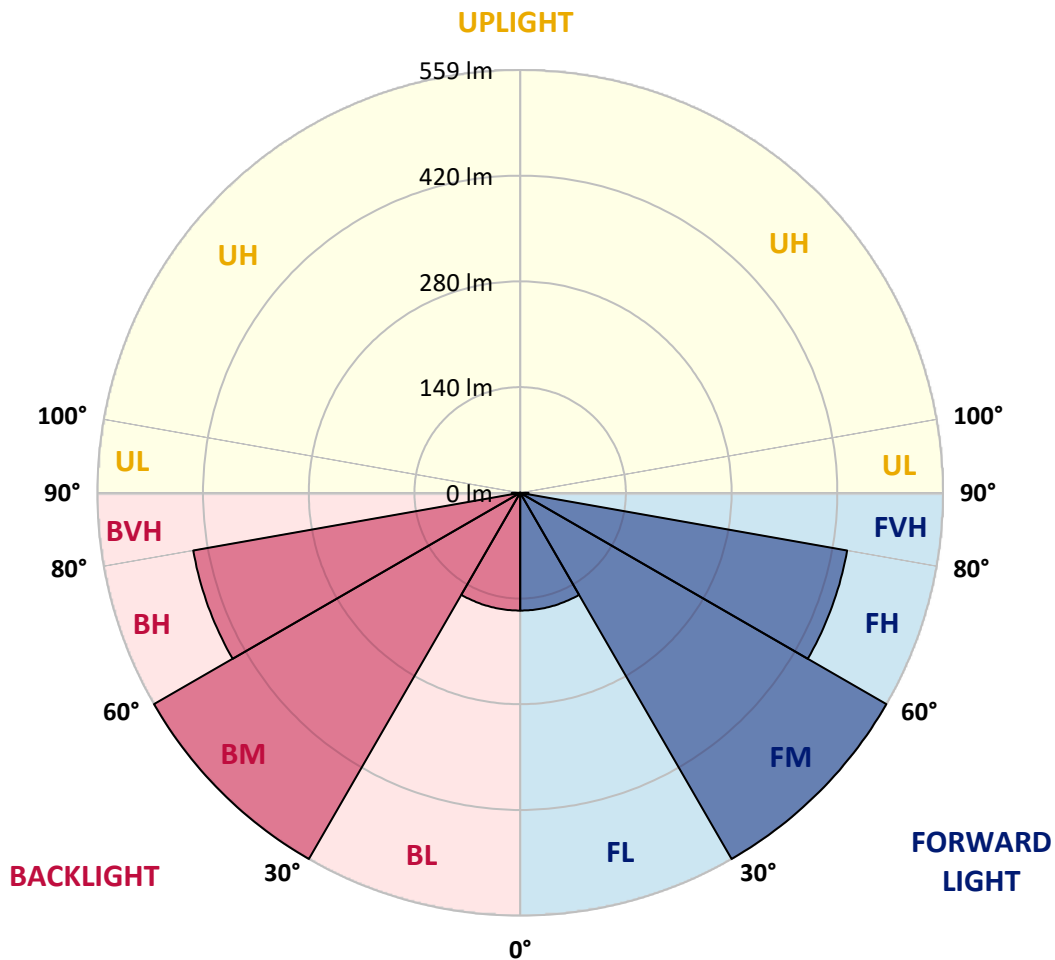
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	155.8	6.7			
FM (30°-60°)	559.5	24.0			
FH (60°-80°)	439.3	18.8			G0/660
FVH (80°-90°)	11.1	0.5			G1/100
BL (0°-30°)	155.8	6.7	B1/500		
BM (30°-60°)	559.5	24.0	B1/1000		
BH (60°-80°)	439.3	18.8	B1/500		G0/660
BVH (80°-90°)	11.1	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°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4
2.5°	448.9	439.9	442.6	445.3	440.8	436.4	439.9	443.5	448.0	452.4	454.1
5°	338.0	341.6	346.9	352.3	357.7	363.0	381.8	400.6	410.4	420.3	429.2
7.5°	321.9	320.1	314.7	309.4	306.7	304.0	306.7	309.4	324.6	339.8	376.4
10°	327.3	325.5	325.5	325.5	326.4	327.3	326.4	325.5	325.5	325.5	336.4
12.5°	298.6	293.3	296.9	300.4	303.1	305.8	315.6	325.5	333.5	341.6	355.9
15°	295.1	293.3	292.4	291.5	291.5	291.5	295.1	298.6	320.1	341.6	364.6
17.5°	305.8	302.2	300.4	298.6	296.0	293.3	293.3	293.3	306.7	320.1	352.1
20°	314.7	307.6	305.8	304.0	303.1	302.2	301.3	300.4	309.4	318.3	347.6
22.5°	314.7	309.4	310.3	311.2	309.4	307.6	311.2	314.7	326.4	338.0	352.7
25°	318.3	314.7	313.9	313.0	313.9	314.7	315.6	316.5	330.8	345.1	369.3
27.5°	321.9	316.5	318.3	320.1	321.0	321.9	324.6	327.3	339.8	352.3	382.9
30°	329.1	325.5	328.2	330.8	331.7	332.6	332.6	332.6	346.9	361.2	393.1
32.5°	341.6	334.4	341.6	348.7	348.7	348.7	346.9	345.1	360.3	375.5	404.5
35°	355.9	354.1	356.8	359.5	363.9	368.4	370.2	372.0	379.1	386.3	415.6
37.5°	366.6	361.2	365.7	370.2	377.3	384.5	388.1	391.6	397.9	404.2	428.1
40°	372.0	368.4	376.4	384.5	395.2	405.9	411.3	416.7	419.4	422.0	443.1
42.5°	373.8	370.2	382.7	395.2	405.9	416.7	427.4	438.1	441.7	445.3	462.1
45°	380.9	384.5	393.4	402.4	414.0	425.6	440.8	456.0	464.1	472.1	479.4
47.5°	398.8	397.0	405.1	413.1	426.5	439.9	459.6	479.3	487.3	495.4	496.3
50°	404.2	409.5	420.3	431.0	442.6	454.2	473.9	493.6	507.9	522.2	526.3
52.5°	432.8	425.6	436.4	447.1	460.5	473.9	495.4	516.8	532.9	549.0	552.1
55°	441.7	461.4	468.5	475.7	490.0	504.3	526.7	549.0	566.9	584.8	579.2
57.5°	495.4	491.8	501.6	511.5	525.8	540.1	555.3	570.5	598.2	625.9	621.9
60°	525.8	520.4	537.4	554.4	574.1	593.7	617.0	640.2	672.4	704.6	687.8
62.5°	531.1	531.1	546.3	561.5	589.3	617.0	660.8	704.6	750.2	795.8	776.6
65°	481.1	479.3	499.8	520.4	558.0	595.5	642.9	690.3	757.4	824.4	813.0
67.5°	386.3	413.1	430.1	447.1	477.5	507.9	558.0	608.0	684.9	761.8	763.1
70°	332.6	357.7	365.7	373.8	397.9	422.0	456.0	490.0	547.2	604.5	629.7
72.5°	259.3	252.2	269.1	286.1	308.5	330.8	348.7	366.6	391.6	416.7	443.1
75°	159.2	160.9	169.0	177.0	193.1	209.2	228.9	248.6	260.2	271.8	273.3
77.5°	84.1	85.8	91.2	96.6	104.6	112.7	122.5	132.3	146.6	160.9	158.6
80°	50.1	50.1	52.8	55.4	58.1	60.8	66.2	71.5	72.4	73.3	75.1
82.5°	23.2	26.8	27.7	28.6	29.5	30.4	33.1	35.8	37.6	39.3	36.5
85°	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	15.2	16.1	14.7
87.5°	10.7	10.7	10.7	10.7	10.7	10.7	9.8	8.9	8.9	8.9	7.6
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°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4
2.5°	456.0	475.7	495.4	480.2	465.0	462.3	459.6	457.8
5°	432.8	443.5	454.2	472.1	490.0	479.3	468.5	468.5
7.5°	414.9	428.3	441.7	456.9	472.1	473.0	473.9	468.5
10°	348.7	390.7	432.8	448.0	463.2	465.0	466.8	472.1
12.5°	363.0	381.8	400.6	431.0	461.4	465.0	468.5	472.1
15°	384.5	386.3	388.1	423.8	459.6	464.1	468.5	472.1
17.5°	380.9	391.6	402.4	425.6	448.9	456.0	463.2	461.4
20°	372.0	391.6	411.3	414.0	416.7	439.9	463.2	465.0
22.5°	368.4	394.3	420.3	418.5	416.7	439.0	461.4	457.8
25°	388.1	407.7	427.4	428.3	429.2	445.3	461.4	461.4
27.5°	407.7	419.4	431.0	444.4	457.8	470.3	482.8	472.1
30°	418.5	428.3	438.1	455.1	472.1	482.8	493.6	490.0
32.5°	427.4	446.2	465.0	478.4	491.8	504.3	516.8	515.0
35°	439.9	456.9	473.9	490.9	507.9	524.0	540.1	540.1
37.5°	447.1	463.2	479.3	499.8	520.4	536.5	552.6	550.8
40°	459.6	470.3	481.1	499.8	518.6	540.1	561.5	558.0
42.5°	472.1	478.4	484.6	500.7	516.8	538.3	559.7	561.5
45°	481.1	484.6	488.2	501.6	515.0	541.9	568.7	568.7
47.5°	490.0	490.9	491.8	504.3	516.8	544.5	572.3	583.0
50°	516.8	509.7	502.5	515.0	527.6	556.2	584.8	600.9
52.5°	540.1	527.6	515.0	526.7	538.3	570.5	602.7	622.3
55°	566.9	549.9	532.9	544.5	556.2	593.7	631.3	636.6
57.5°	604.5	586.6	568.7	581.2	593.7	625.9	658.1	668.8
60°	659.9	634.0	608.0	620.5	633.1	662.6	692.1	704.6
62.5°	738.6	701.0	663.5	663.5	663.5	689.4	715.3	708.2
65°	781.5	720.7	659.9	657.2	654.5	669.7	684.9	679.6
67.5°	738.6	681.4	624.1	616.1	608.0	614.3	620.5	604.5
70°	633.1	582.1	531.1	526.7	522.2	519.5	516.8	500.7
72.5°	461.4	433.7	405.9	409.5	413.1	404.2	395.2	379.1
75°	268.2	266.5	264.7	269.1	273.6	265.6	257.5	239.6
77.5°	150.2	144.9	139.5	142.2	144.9	139.5	134.1	118.0
80°	76.9	69.7	62.6	65.3	68.0	57.2	46.5	35.8
82.5°	32.2	31.3	30.4	28.6	26.8	23.2	19.7	17.9
85°	12.5	12.5	12.5	11.6	10.7	8.9	7.2	7.2
87.5°	7.2	6.3	5.4	3.6	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)