

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: P394771

Luminaire Tested: **303-B2-LEDB4-4000-UNV-T4-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394771
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-LEDB4-4000-UNV-T4-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, DUAL HEAD, FOUR LIGHTBAR, TYPE 4
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2550.1 lumens
Efficiency: N/A
Efficacy: 83.3 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

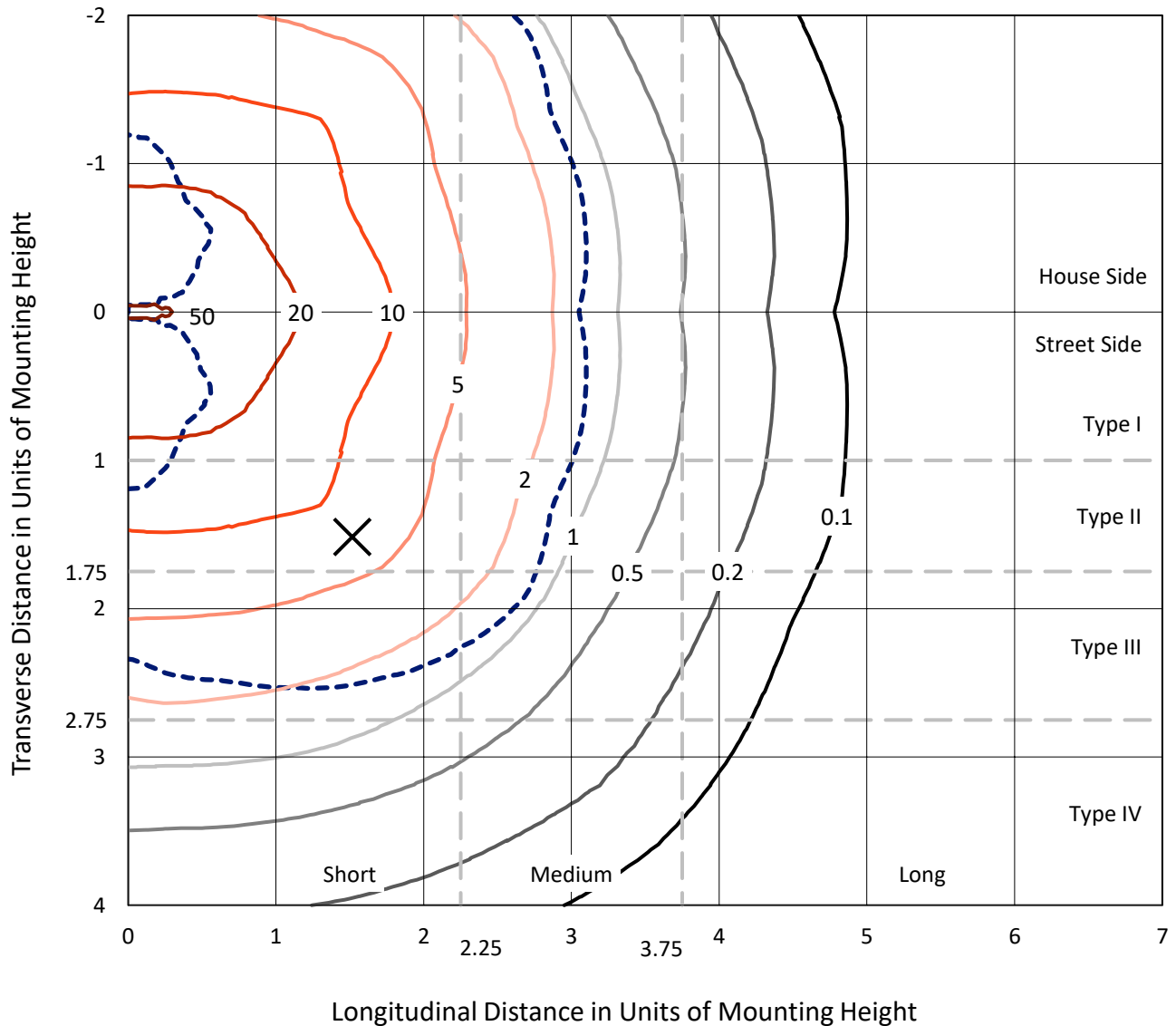
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P394771
 CATALOG NUMBER: 303-B2-LEDB4-4000-UNV-T4-DIM10

Iso-Footcandle Lines of Horizontal Illumination

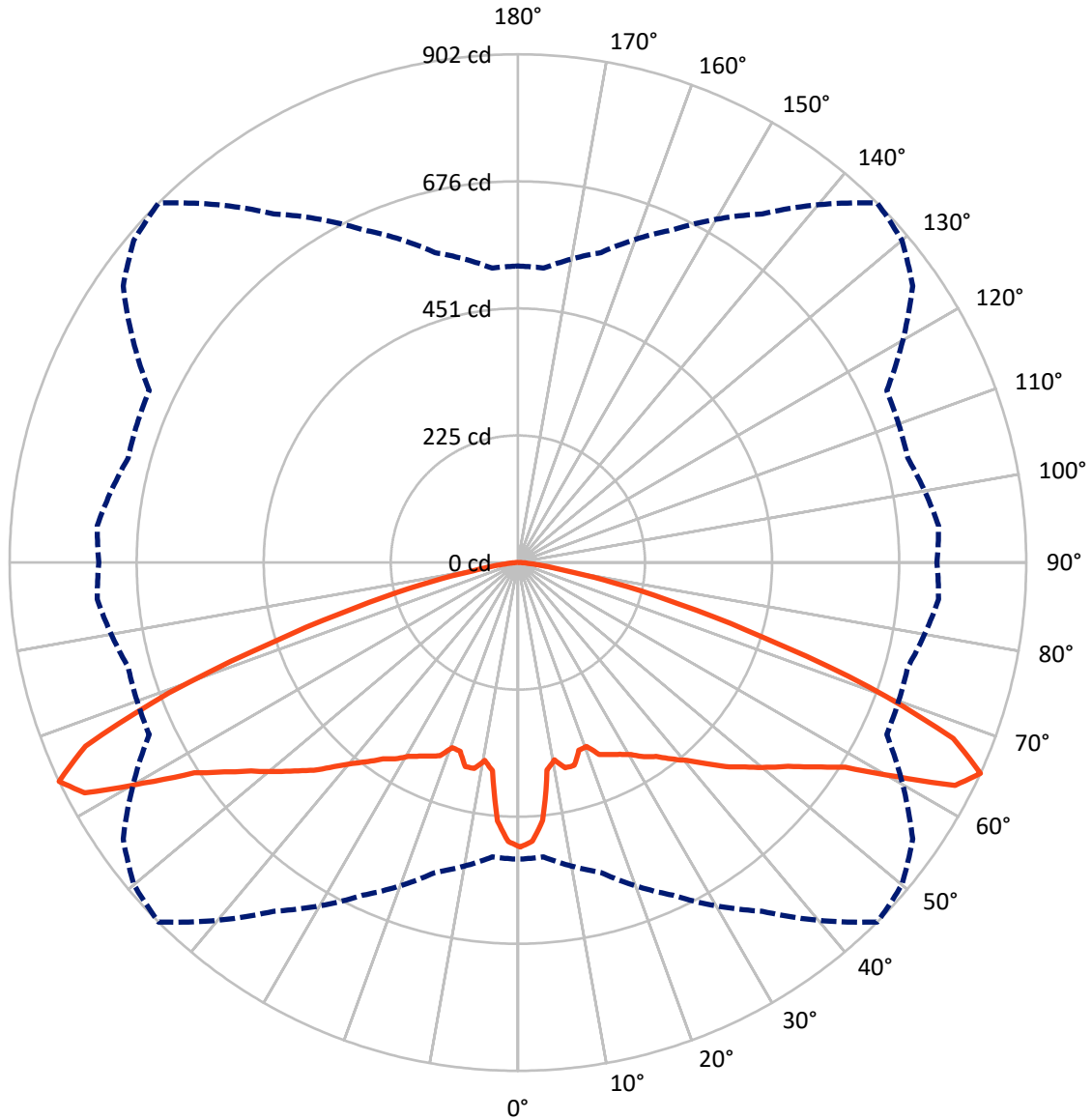
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 56.1 fc
 Type V - Short - N/A

REPORT NUMBER: P394771
CATALOG NUMBER: 303-B2-LEDB4-4000-UNV-T4-DIM10

Luminous Intensity Polar Plot



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

REPORT NUMBER: P394771

CATALOG NUMBER: 303-B2-LEDB4-4000-UNV-T4-DIM10

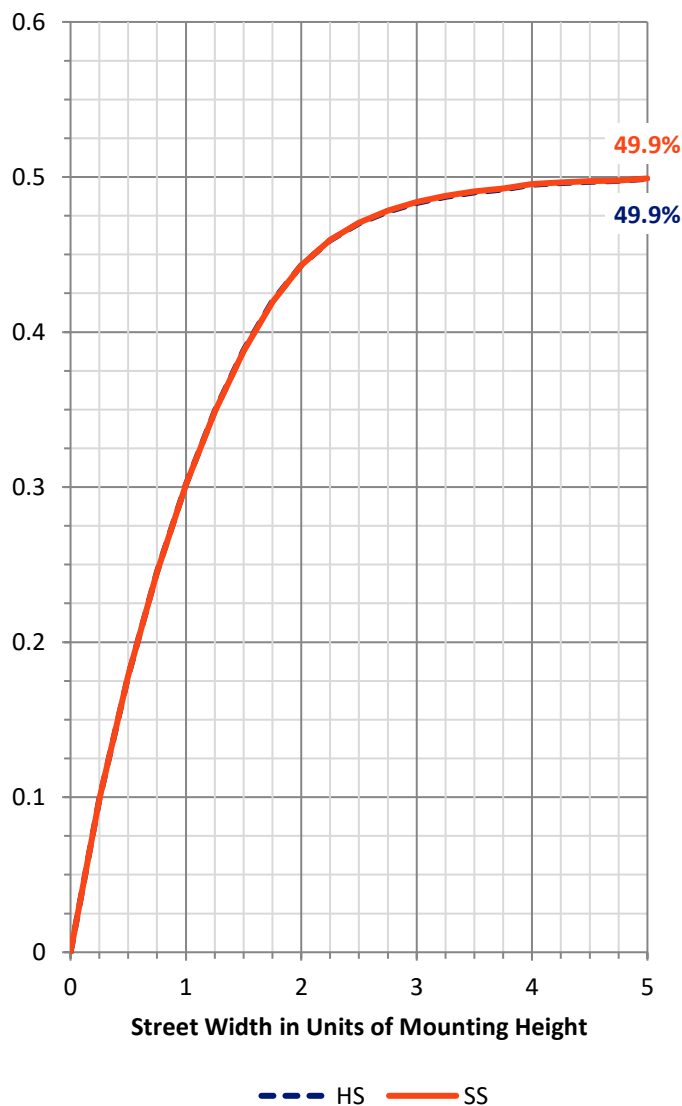
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1275.0	0.0	1275.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1275.0	0.0	1275.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2550.1	0.0	2550.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	1.6
10°-20°	111.4	4.4
20°-30°	188.0	7.4
30°-40°	289.7	11.4
40°-50°	396.6	15.6
50°-60°	537.7	21.1
60°-70°	670.0	26.3
70°-80°	291.1	11.4
80°-90°	24.2	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°	2550.1	100.0
0°-180°	2550.1	100.0

Coefficient of Utilization



REPORT NUMBER: P394771

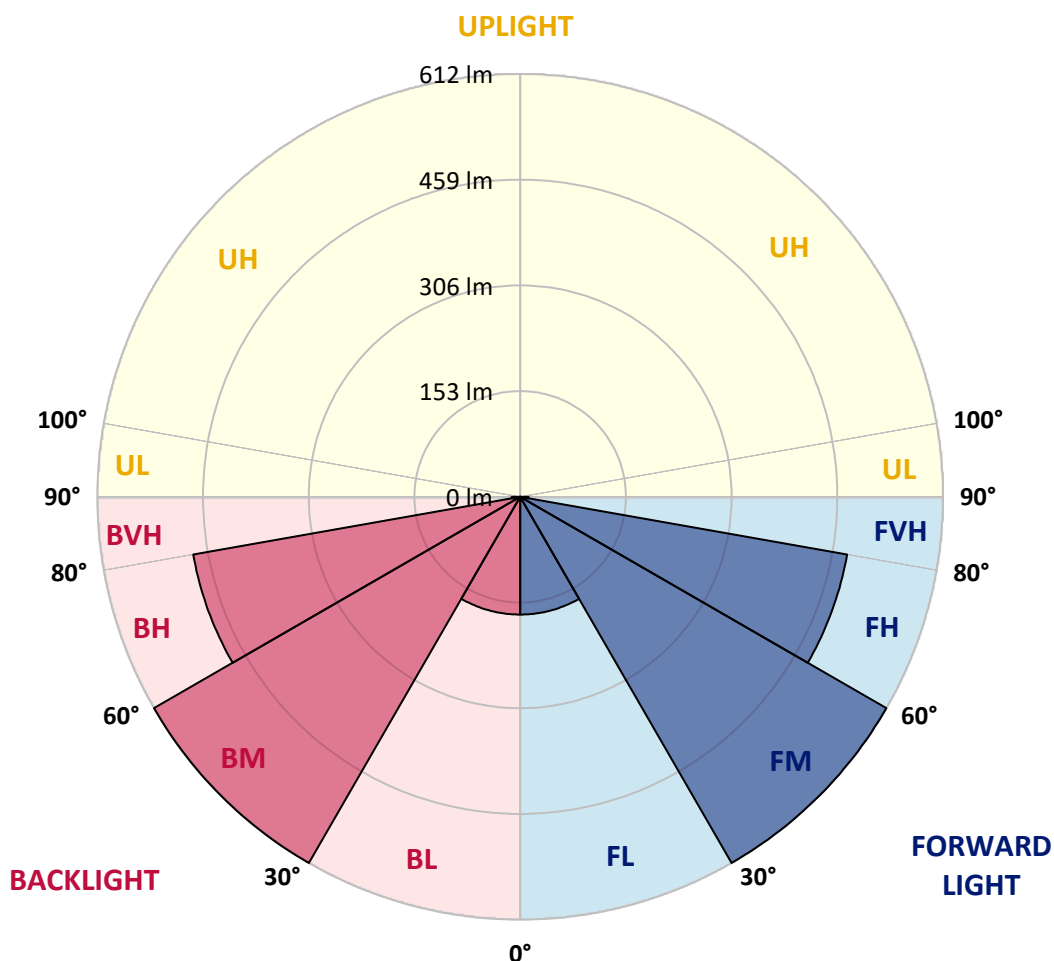
CATALOG NUMBER: 303-B2-LEDB4-4000-UNV-T4-DIM10

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	170.4	6.7			
FM (30°-60°)	612.0	24.0			
FH (60°-80°)	480.5	18.8			G0/660
FVH (80°-90°)	12.1	0.5			G1/100
BL (0°-30°)	170.4	6.7	B1/500		
BM (30°-60°)	612.0	24.0	B1/1000		
BH (60°-80°)	480.5	18.8	B1/500		G0/660
BVH (80°-90°)	12.1	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





REPORT NUMBER: P394771

CATALOG NUMBER: 303-B2-LEDB4-4000-UNV-T4-DIM10

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	504.7	504.7	504.7	504.7	504.7	504.7	504.7	504.7	504.7	504.7	504.7
2.5°	491.0	481.2	484.2	487.1	482.2	477.3	481.2	485.1	490.0	494.9	496.7
5°	369.7	373.6	379.5	385.4	391.2	397.1	417.6	438.2	448.9	459.7	469.5
7.5°	352.1	350.2	344.3	338.4	335.5	332.6	335.5	338.4	355.1	371.7	411.8
10°	358.0	356.0	356.0	356.0	357.0	358.0	357.0	356.0	356.0	356.0	368.0
12.5°	326.7	320.8	324.7	328.6	331.6	334.5	345.3	356.0	364.8	373.6	389.3
15°	322.8	320.8	319.8	318.9	318.9	318.9	322.8	326.7	350.2	373.6	398.9
17.5°	334.5	330.6	328.6	326.7	323.8	320.8	320.8	320.8	335.5	350.2	385.2
20°	344.3	336.5	334.5	332.6	331.6	330.6	329.6	328.6	338.4	348.2	380.3
22.5°	344.3	338.4	339.4	340.4	338.4	336.5	340.4	344.3	357.0	369.7	385.9
25°	348.2	344.3	343.3	342.3	343.3	344.3	345.3	346.2	361.9	377.5	404.0
27.5°	352.1	346.2	348.2	350.2	351.1	352.1	355.1	358.0	371.7	385.4	418.8
30°	359.9	356.0	359.0	361.9	362.9	363.9	363.9	363.9	379.5	395.2	430.0
32.5°	373.6	365.8	373.6	381.5	381.5	381.5	379.5	377.5	394.2	410.8	442.5
35°	389.3	387.3	390.3	393.2	398.1	403.0	404.9	406.9	414.7	422.5	454.6
37.5°	401.0	395.2	400.0	404.9	412.8	420.6	424.5	428.4	435.3	442.1	468.3
40°	406.9	403.0	411.8	420.6	432.3	444.1	449.9	455.8	458.7	461.7	484.6
42.5°	408.8	404.9	418.6	432.3	444.1	455.8	467.5	479.3	483.2	487.1	505.5
45°	416.7	420.6	430.4	440.1	452.9	465.6	482.2	498.8	507.6	516.4	524.5
47.5°	436.2	434.3	443.1	451.9	466.6	481.2	502.7	524.3	533.1	541.9	542.8
50°	442.1	448.0	459.7	471.4	484.2	496.9	518.4	539.9	555.6	571.2	575.7
52.5°	473.4	465.6	477.3	489.1	503.7	518.4	541.9	565.3	582.9	600.6	604.0
55°	483.2	504.7	512.5	520.4	536.0	551.6	576.1	600.6	620.1	639.7	633.6
57.5°	541.9	538.0	548.7	559.5	575.1	590.8	607.4	624.0	654.4	684.7	680.3
60°	575.1	569.3	587.8	606.4	627.9	649.5	674.9	700.3	735.5	770.7	752.4
62.5°	581.0	581.0	597.6	614.2	644.6	674.9	722.8	770.7	820.6	870.5	849.5
65°	526.2	524.3	546.8	569.3	610.3	651.4	703.3	755.1	828.5	901.8	889.3
67.5°	422.5	451.9	470.5	489.1	522.3	555.6	610.3	665.1	749.2	833.3	834.7
70°	363.9	391.2	400.0	408.8	435.3	461.7	498.8	536.0	598.6	661.2	688.8
72.5°	283.6	275.8	294.4	313.0	337.4	361.9	381.5	401.0	428.4	455.8	484.6
75°	174.1	176.1	184.9	193.7	211.3	228.9	250.4	271.9	284.6	297.3	298.9
77.5°	91.9	93.9	99.8	105.6	114.4	123.2	134.0	144.8	160.4	176.1	173.5
80°	54.8	54.8	57.7	60.6	63.6	66.5	72.4	78.2	79.2	80.2	82.2
82.5°	25.4	29.3	30.3	31.3	32.3	33.3	36.2	39.1	41.1	43.0	39.9
85°	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	16.6	17.6	16.0
87.5°	11.7	11.7	11.7	11.7	11.7	11.7	10.8	9.8	9.8	9.8	8.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P394771

CATALOG NUMBER: 303-B2-LEDB4-4000-UNV-T4-DIM10

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	504.7	504.7	504.7	504.7	504.7	504.7	504.7	504.7
2.5°	498.8	520.4	541.9	525.2	508.6	505.7	502.7	500.8
5°	473.4	485.1	496.9	516.4	536.0	524.3	512.5	512.5
7.5°	453.8	468.5	483.2	499.8	516.4	517.4	518.4	512.5
10°	381.5	427.4	473.4	490.0	506.7	508.6	510.6	516.4
12.5°	397.1	417.6	438.2	471.4	504.7	508.6	512.5	516.4
15°	420.6	422.5	424.5	463.6	502.7	507.6	512.5	516.4
17.5°	416.7	428.4	440.1	465.6	491.0	498.8	506.7	504.7
20°	406.9	428.4	449.9	452.9	455.8	481.2	506.7	508.6
22.5°	403.0	431.3	459.7	457.8	455.8	480.2	504.7	500.8
25°	424.5	446.0	467.5	468.5	469.5	487.1	504.7	504.7
27.5°	446.0	458.7	471.4	486.1	500.8	514.5	528.2	516.4
30°	457.8	468.5	479.3	497.9	516.4	528.2	539.9	536.0
32.5°	467.5	488.1	508.6	523.3	538.0	551.6	565.3	563.4
35°	481.2	499.8	518.4	537.0	555.6	573.2	590.8	590.8
37.5°	489.1	506.7	524.3	546.8	569.3	586.9	604.5	602.5
40°	502.7	514.5	526.2	546.8	567.3	590.8	614.2	610.3
42.5°	516.4	523.3	530.1	547.7	565.3	588.8	612.3	614.2
45°	526.2	530.1	534.0	548.7	563.4	592.7	622.1	622.1
47.5°	536.0	537.0	538.0	551.6	565.3	595.7	626.0	637.7
50°	565.3	557.5	549.7	563.4	577.1	608.4	639.7	657.3
52.5°	590.8	577.1	563.4	576.1	588.8	624.0	659.2	680.8
55°	620.1	601.5	582.9	595.7	608.4	649.5	690.5	696.4
57.5°	661.2	641.6	622.1	635.8	649.5	684.7	719.9	731.6
60°	721.8	693.5	665.1	678.8	692.5	724.8	757.1	770.7
62.5°	807.9	766.8	725.8	725.8	725.8	754.1	782.5	774.7
65°	854.9	788.4	721.8	718.9	716.0	732.6	749.2	743.4
67.5°	807.9	745.3	682.7	673.9	665.1	672.0	678.8	661.2
70°	692.5	636.7	581.0	576.1	571.2	568.3	565.3	547.7
72.5°	504.7	474.4	444.1	448.0	451.9	442.1	432.3	414.7
75°	293.4	291.5	289.5	294.4	299.3	290.5	281.7	262.1
77.5°	164.3	158.5	152.6	155.5	158.5	152.6	146.7	129.1
80°	84.1	76.3	68.5	71.4	74.3	62.6	50.9	39.1
82.5°	35.2	34.2	33.3	31.3	29.3	25.4	21.5	19.6
85°	13.7	13.7	13.7	12.7	11.7	9.8	7.8	7.8
87.5°	7.8	6.8	5.9	3.9	2.0	2.0	2.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)