

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: P394761

Luminaire Tested: **303-B2-LEDB4-4000-UNV-T2-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394761
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-T2-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, DUAL HEAD, FOUR LIGHTBAR, TYPE 2
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2450.2 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Luminous Opening: Rectangular (W 0.38' x L: 1.06' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

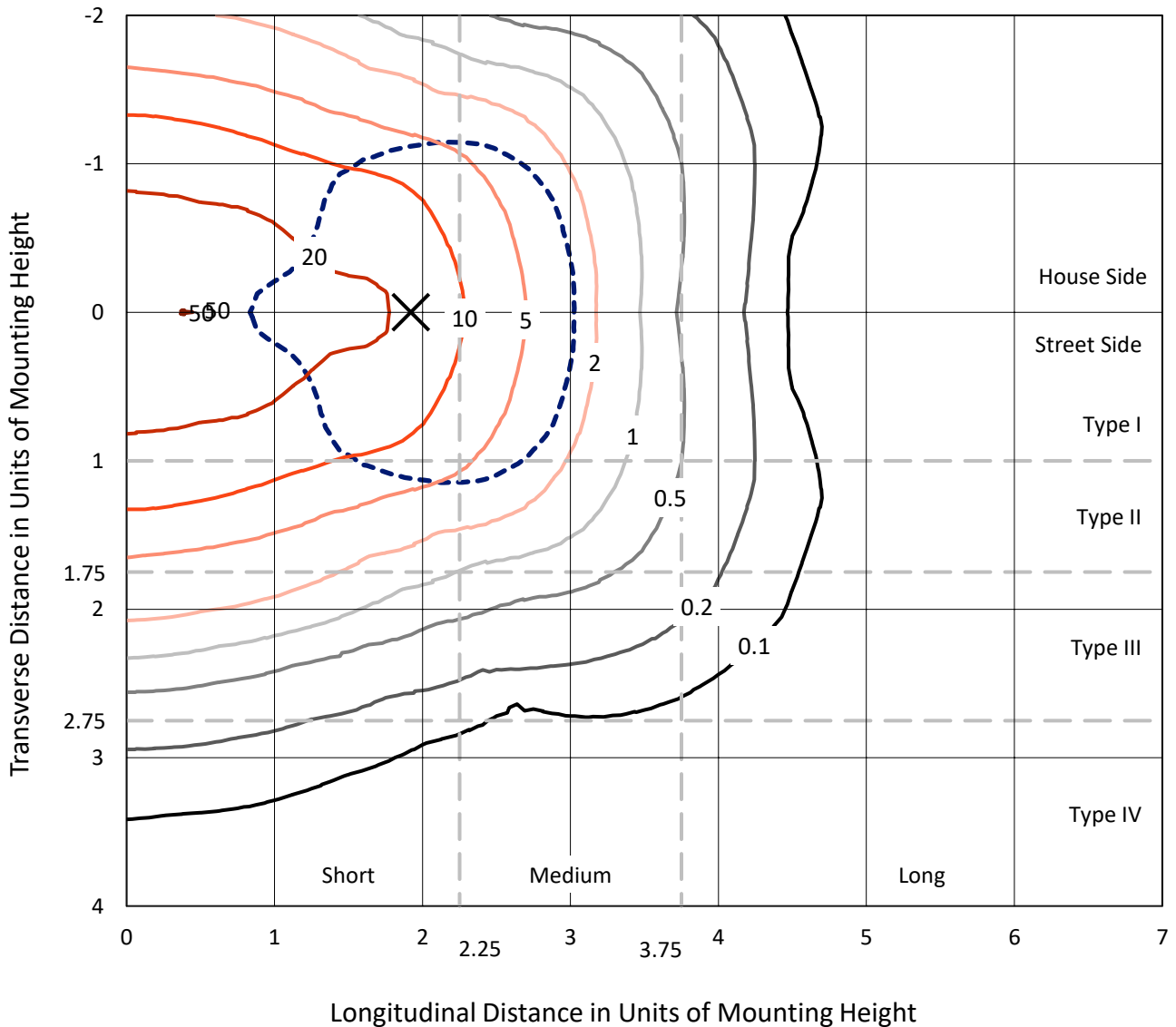
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P394761
 CATALOG NUMBER: 303-B2-LEDB4-4000-UNV-T2-DIM10

Iso-Footcandle Lines of Horizontal Illumination

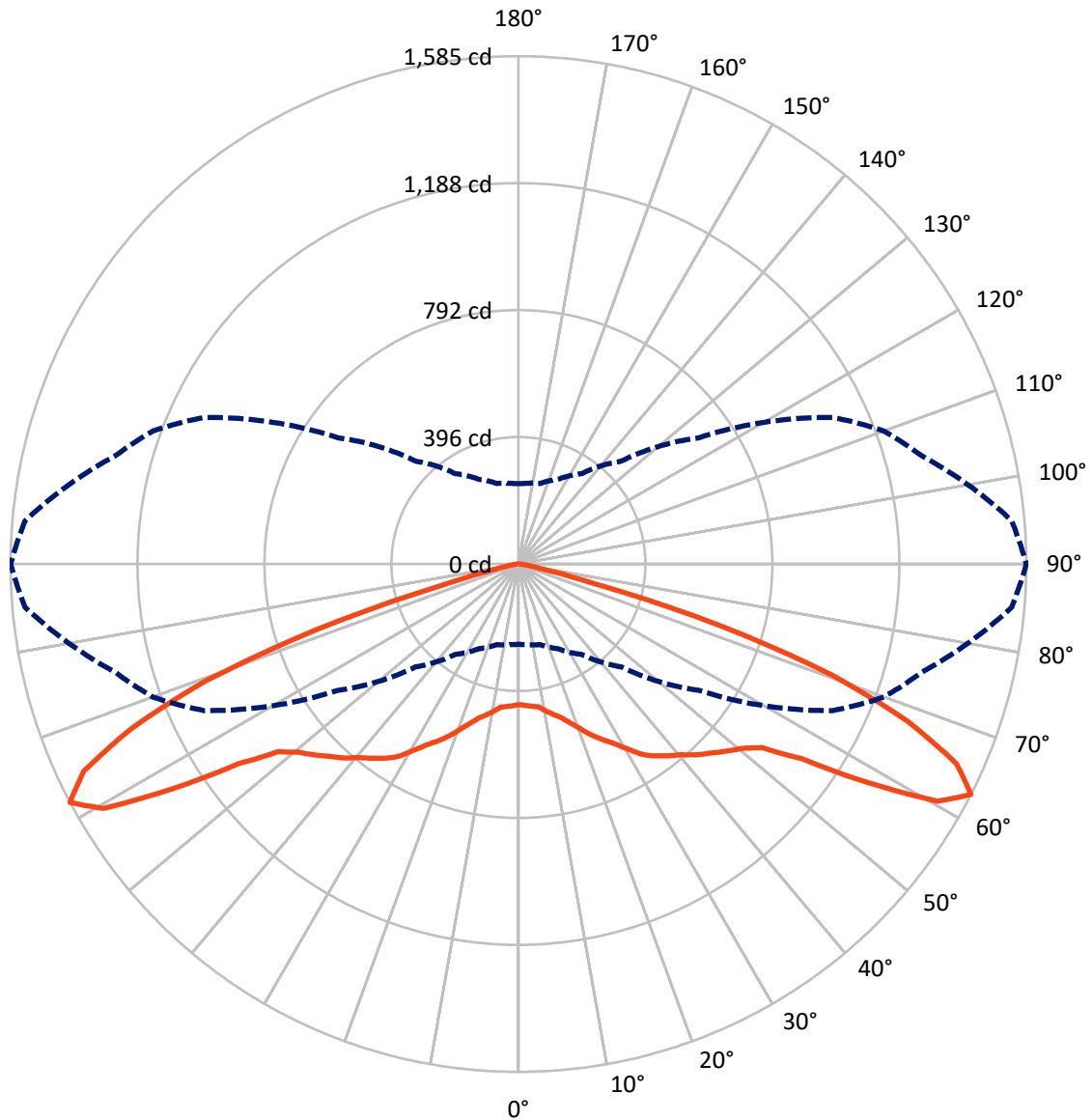
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 50.6 fc
 Type II - Short - N/A

REPORT NUMBER: P394761
CATALOG NUMBER: 303-B2-LEDB4-4000-UNV-T2-DIM10

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P394761

CATALOG NUMBER: 303-B2-LEDB4-4000-UNV-T2-DIM10

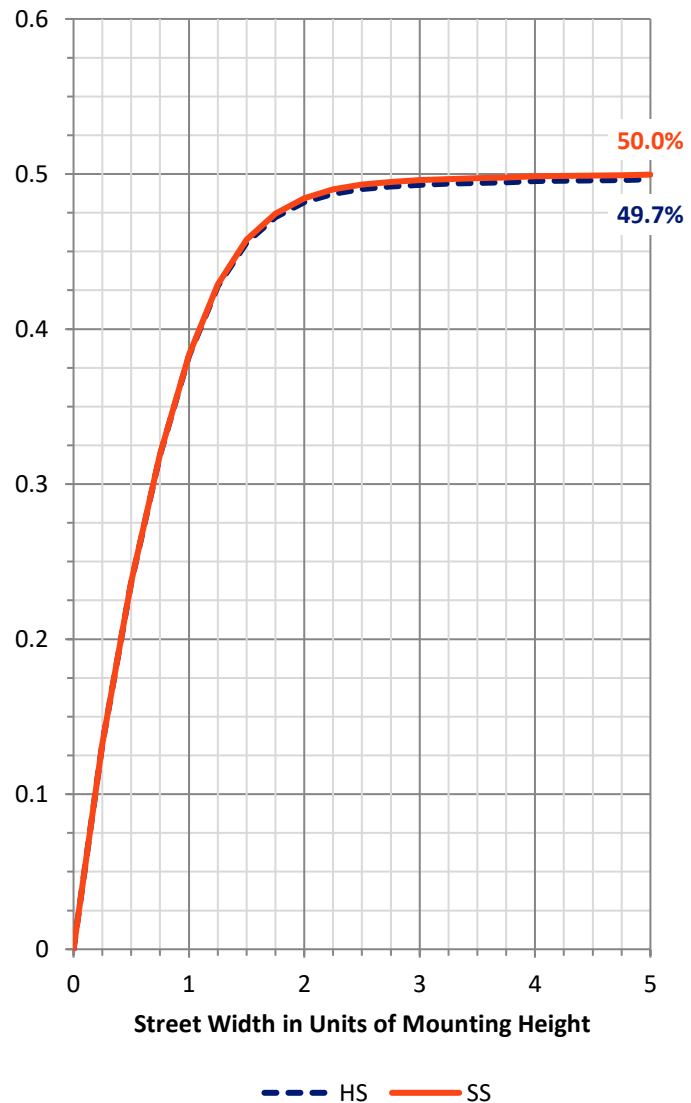
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1225.1	0.0	1225.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1225.1	0.0	1225.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	2450.2	0.0	2450.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.9	1.5
10°-20°	109.7	4.5
20°-30°	196.4	8.0
30°-40°	310.2	12.7
40°-50°	437.3	17.8
50°-60°	572.7	23.4
60°-70°	593.0	24.2
70°-80°	178.1	7.3
80°-90°	15.9	0.7
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°	2450.2	100.0
0°-180°	2450.2	100.0



REPORT NUMBER: P394761

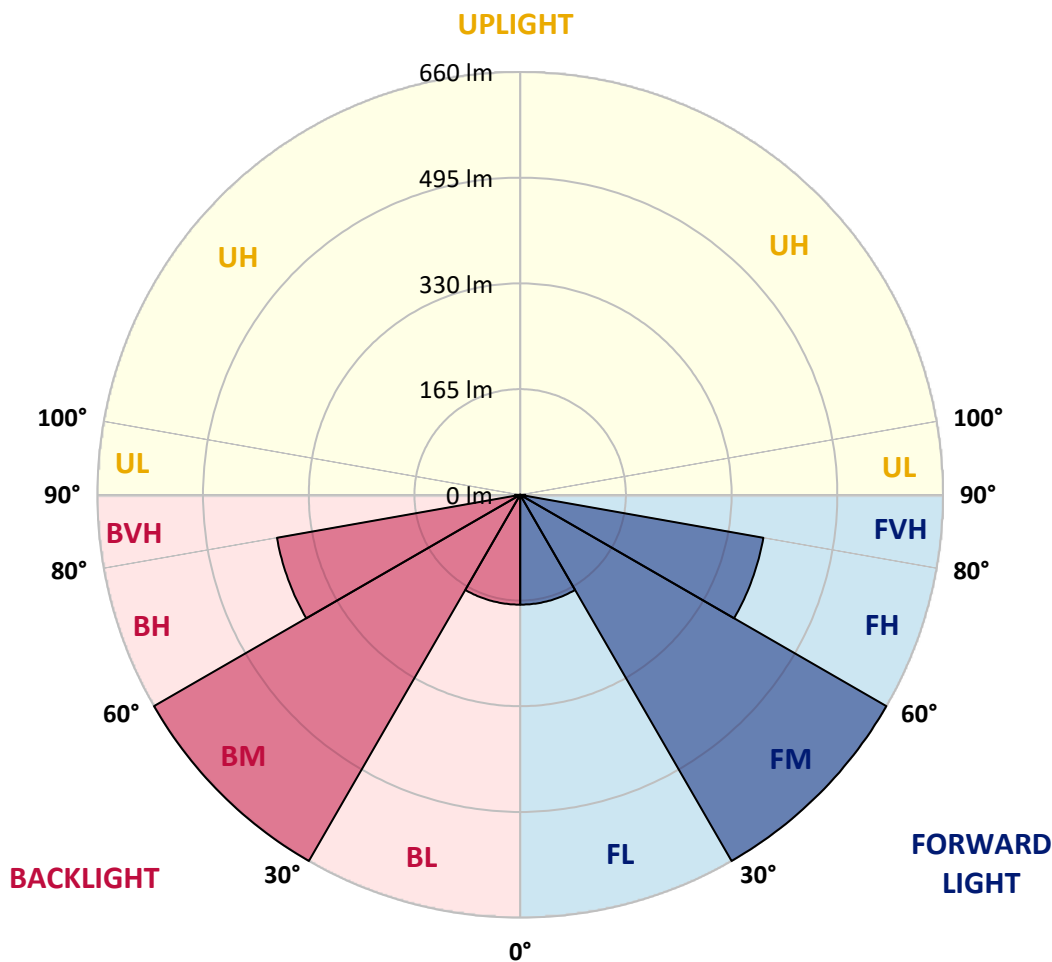
CATALOG NUMBER: 303-B2-LEDB4-4000-UNV-T2-DIM10

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	171.5	7.0			
FM (30°-60°)	660.1	26.9			
FH (60°-80°)	385.5	15.7			G0/660
FVH (80°-90°)	8.0	0.3			G0/10
BL (0°-30°)	171.5	7.0	B1/500		
BM (30°-60°)	660.1	26.9	B1/1000		
BH (60°-80°)	385.5	15.7	B1/500		G1/500
BVH (80°-90°)	8.0	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P394761

CATALOG NUMBER: 303-B2-LEDB4-4000-UNV-T2-DIM10

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2
2.5°	422.5	406.9	408.8	410.8	415.7	420.6	415.7	410.8	410.8	410.8	420.6
5°	356.0	352.1	354.1	356.0	359.0	361.9	361.9	361.9	369.7	377.5	390.3
7.5°	307.1	309.1	310.1	311.0	316.9	322.8	331.6	340.4	356.0	371.7	384.4
10°	320.8	314.9	314.9	314.9	313.0	311.0	309.1	307.1	321.8	336.5	359.9
12.5°	324.7	316.9	321.8	326.7	328.6	330.6	332.6	334.5	337.4	340.4	359.0
15°	324.7	313.0	314.0	314.9	320.8	326.7	329.6	332.6	347.2	361.9	373.6
17.5°	322.8	307.1	309.1	311.0	314.9	318.9	319.8	320.8	347.2	373.6	392.2
20°	322.8	320.8	319.8	318.9	317.9	316.9	317.9	318.9	341.4	363.9	394.2
22.5°	332.6	322.8	323.8	324.7	325.7	326.7	323.8	320.8	343.3	365.8	392.2
25°	324.7	322.8	322.8	322.8	326.7	330.6	334.5	338.4	357.0	375.6	398.1
27.5°	330.6	328.6	328.6	328.6	330.6	332.6	337.4	342.3	367.8	393.2	423.5
30°	336.5	332.6	334.5	336.5	339.4	342.3	347.2	352.1	376.6	401.0	436.2
32.5°	361.9	342.3	343.3	344.3	348.2	352.1	358.0	363.9	390.3	416.7	456.8
35°	367.8	356.0	358.0	359.9	364.8	369.7	375.6	381.5	407.9	434.3	476.3
37.5°	373.6	373.6	373.6	373.6	382.4	391.2	395.2	399.1	426.5	453.8	492.0
40°	391.2	391.2	392.2	393.2	400.0	406.9	412.8	418.6	445.0	471.4	507.6
42.5°	412.8	410.8	414.7	418.6	421.6	424.5	433.3	442.1	457.8	473.4	517.4
45°	436.2	424.5	424.5	424.5	436.2	448.0	455.8	463.6	489.1	514.5	549.7
47.5°	430.4	430.4	429.4	428.4	441.1	453.8	465.6	477.3	507.6	538.0	568.3
50°	432.3	430.4	434.3	438.2	447.0	455.8	473.4	491.0	521.3	551.6	592.7
52.5°	422.5	430.4	428.4	426.5	442.1	457.8	474.4	491.0	526.2	561.4	605.4
55°	385.4	385.4	393.2	401.0	420.6	440.1	466.6	493.0	528.2	563.4	618.2
57.5°	352.1	346.2	349.2	352.1	369.7	387.3	425.5	463.6	512.5	561.4	632.8
60°	293.4	283.6	293.4	303.2	322.8	342.3	380.5	418.6	477.3	536.0	626.0
62.5°	250.4	252.4	256.3	260.2	275.8	291.5	317.9	344.3	399.1	453.8	570.2
65°	205.4	201.5	203.4	205.4	221.1	236.7	258.2	279.7	315.9	352.1	477.3
67.5°	119.3	117.4	120.3	123.2	136.9	150.6	177.0	203.4	230.8	258.2	356.0
70°	60.6	62.6	63.6	64.6	69.4	74.3	92.9	111.5	143.8	176.1	239.6
72.5°	46.9	45.0	46.0	46.9	47.9	48.9	54.8	60.6	82.2	103.7	154.5
75°	33.3	33.3	34.2	35.2	35.2	35.2	36.2	37.2	44.0	50.9	100.7
77.5°	27.4	27.4	26.4	25.4	25.4	25.4	25.4	25.4	28.4	31.3	61.6
80°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	22.5	23.5	33.3
82.5°	17.6	17.6	17.6	17.6	16.6	15.6	15.6	15.6	15.6	15.6	17.6
85°	15.6	13.7	13.7	13.7	13.7	13.7	13.7	13.7	12.7	11.7	11.7
87.5°	13.7	13.7	13.7	13.7	12.7	11.7	11.7	11.7	10.8	9.8	8.8
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: P394761

CATALOG NUMBER: 303-B2-LEDB4-4000-UNV-T2-DIM10

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2
2.5°	430.4	440.1	449.9	443.6	440.1	438.2	436.2	442.1
5°	403.0	415.7	428.4	438.7	449.9	447.0	444.1	446.0
7.5°	397.1	406.9	416.7	434.3	448.0	450.9	453.8	449.9
10°	383.4	406.9	430.4	445.0	459.7	462.6	465.6	465.6
12.5°	377.5	407.9	438.2	458.2	475.4	480.2	485.1	481.2
15°	385.4	406.9	428.4	465.6	493.0	498.8	504.7	496.9
17.5°	410.8	421.6	432.3	478.3	514.5	521.3	528.2	520.4
20°	424.5	439.2	453.8	491.0	536.0	544.8	553.6	547.7
22.5°	418.6	451.9	485.1	499.3	524.3	554.6	584.9	579.0
25°	420.6	465.6	510.6	526.7	543.8	578.1	612.3	606.4
27.5°	453.8	488.1	522.3	555.1	581.0	611.3	641.6	633.8
30°	471.4	512.5	553.6	591.8	618.2	646.5	674.9	669.0
32.5°	496.9	532.1	567.3	621.1	663.2	683.7	704.2	708.1
35°	518.4	556.5	594.7	651.9	696.4	716.0	735.5	735.5
37.5°	530.1	569.3	608.4	660.2	708.1	729.7	751.2	759.0
40°	543.8	581.0	618.2	672.9	725.8	756.1	786.4	782.5
42.5°	561.4	599.6	637.7	687.6	733.6	773.7	813.8	813.8
45°	584.9	616.2	647.5	699.8	751.2	795.2	839.2	841.2
47.5°	598.6	630.9	663.2	711.6	761.0	811.8	862.7	872.5
50°	633.8	664.1	694.5	738.0	786.4	833.3	880.3	903.8
52.5°	649.5	688.6	727.7	774.7	827.5	874.4	921.4	950.7
55°	672.9	720.9	768.8	828.9	886.2	958.5	1030.9	1072.0
57.5°	704.2	787.4	870.5	941.9	1009.4	1127.8	1246.1	1287.2
60°	716.0	865.6	1015.3	1125.8	1205.0	1344.9	1484.8	1502.4
62.5°	686.6	884.2	1081.8	1213.3	1302.8	1424.1	1545.4	1584.5
65°	602.5	834.3	1066.1	1205.5	1283.3	1367.4	1451.5	1502.4
67.5°	453.8	702.3	950.7	1079.8	1152.2	1217.7	1283.3	1310.7
70°	303.2	521.3	739.4	868.6	956.6	984.0	1011.4	1040.7
72.5°	205.4	356.0	506.7	598.1	655.3	668.0	680.8	661.2
75°	150.6	226.9	303.2	330.6	334.5	306.1	277.8	238.7
77.5°	91.9	116.4	140.8	139.9	138.9	110.5	82.2	78.2
80°	43.0	51.8	60.6	55.3	58.7	47.9	37.2	35.2
82.5°	19.6	23.5	27.4	28.9	35.2	28.4	21.5	19.6
85°	11.7	11.7	11.7	11.7	11.7	9.8	7.8	7.8
87.5°	7.8	6.8	5.9	5.4	3.9	2.9	2.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)