

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: P394759

Luminaire Tested: **303-B2-LEDB4-3000-UNV-T2-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394759
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-T2-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, DUAL HEAD, FOUR LIGHTBAR, TYPE 2
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2303.9 lumens
Efficiency: N/A
Efficacy: 75.3 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

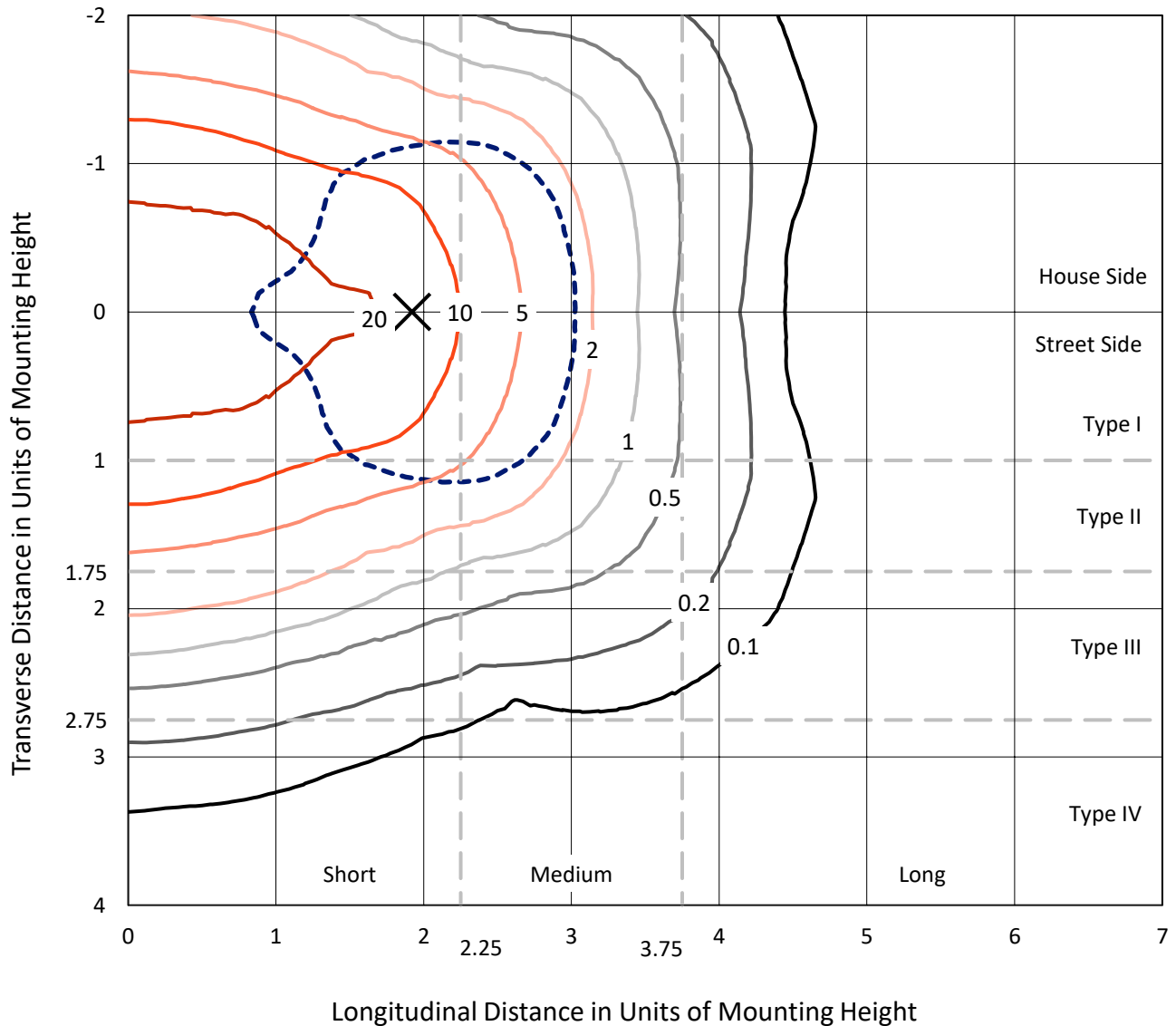
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

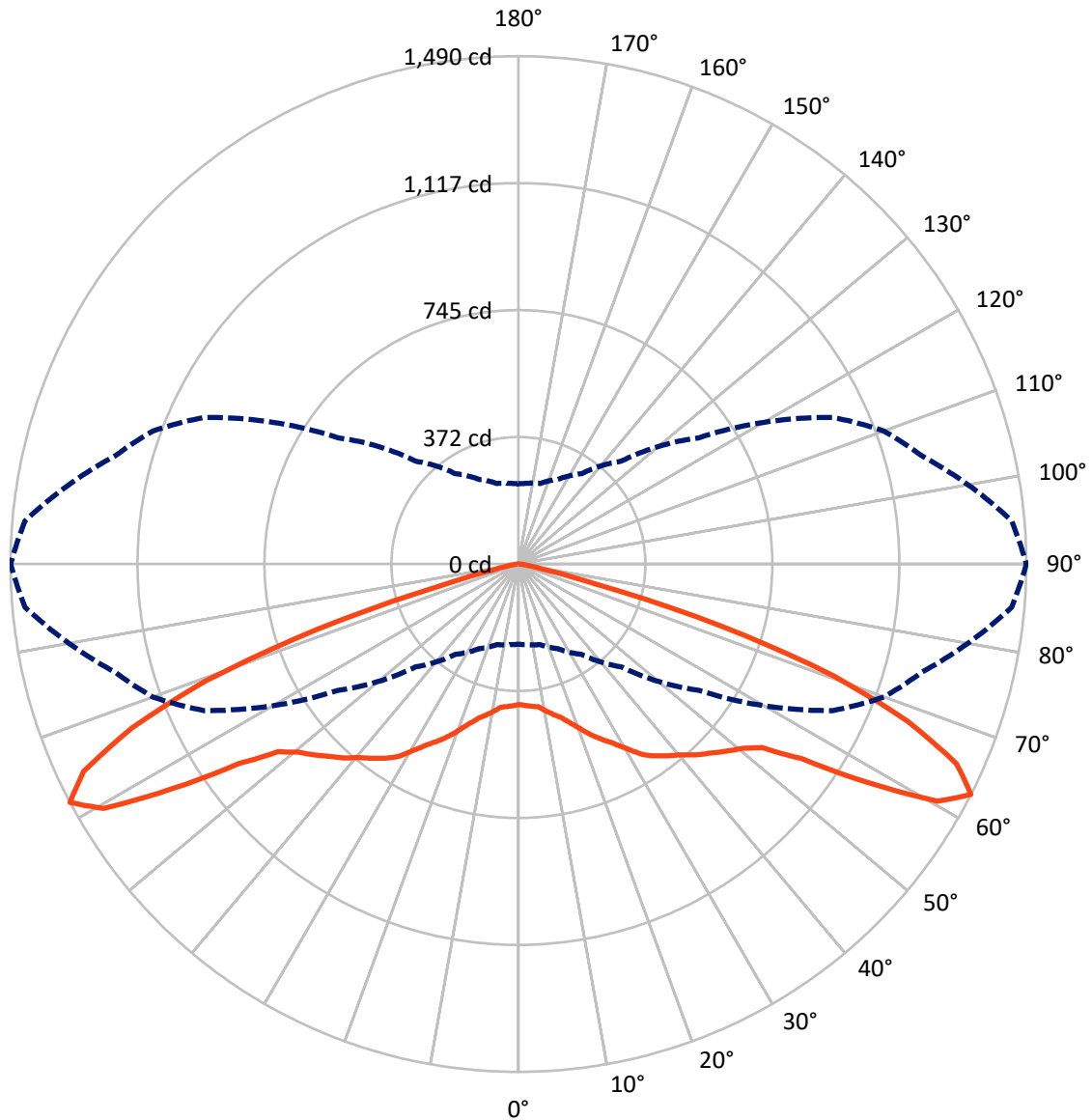
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 47.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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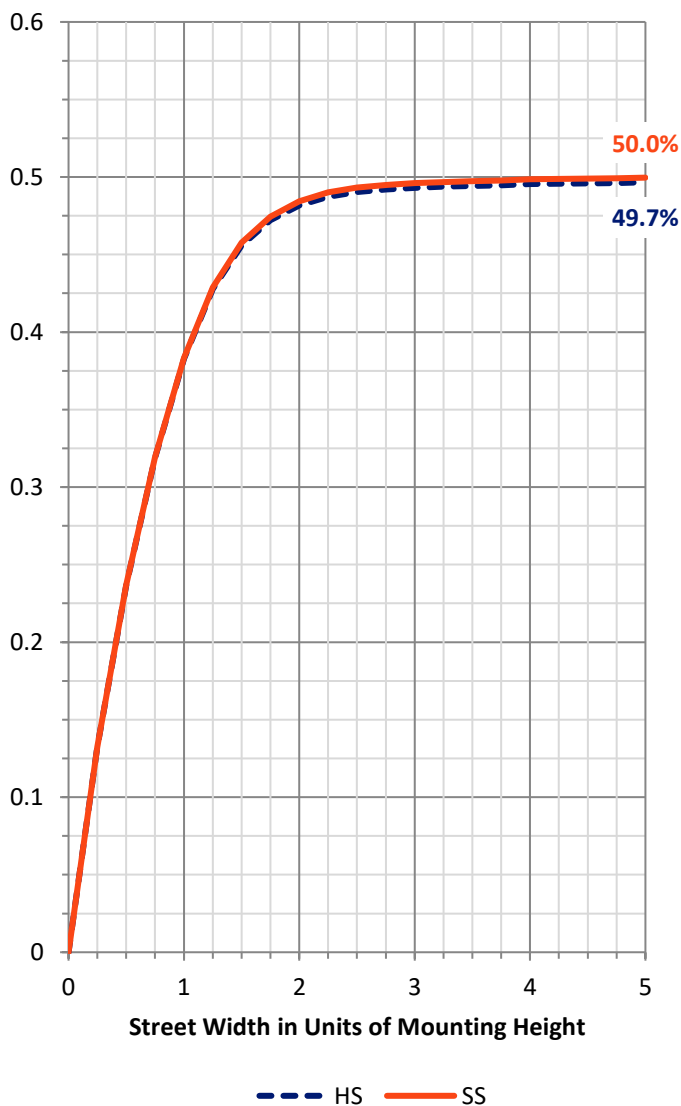
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1152.0	0.0	1152.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1152.0	0.0	1152.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2303.9	0.0	2303.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.7	1.5
10°-20°	103.1	4.5
20°-30°	184.7	8.0
30°-40°	291.7	12.7
40°-50°	411.2	17.8
50°-60°	538.6	23.4
60°-70°	557.6	24.2
70°-80°	167.5	7.3
80°-90°	15.0	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°	2303.9	100.0
0°-180°	2303.9	100.0

Coefficient of Utilization



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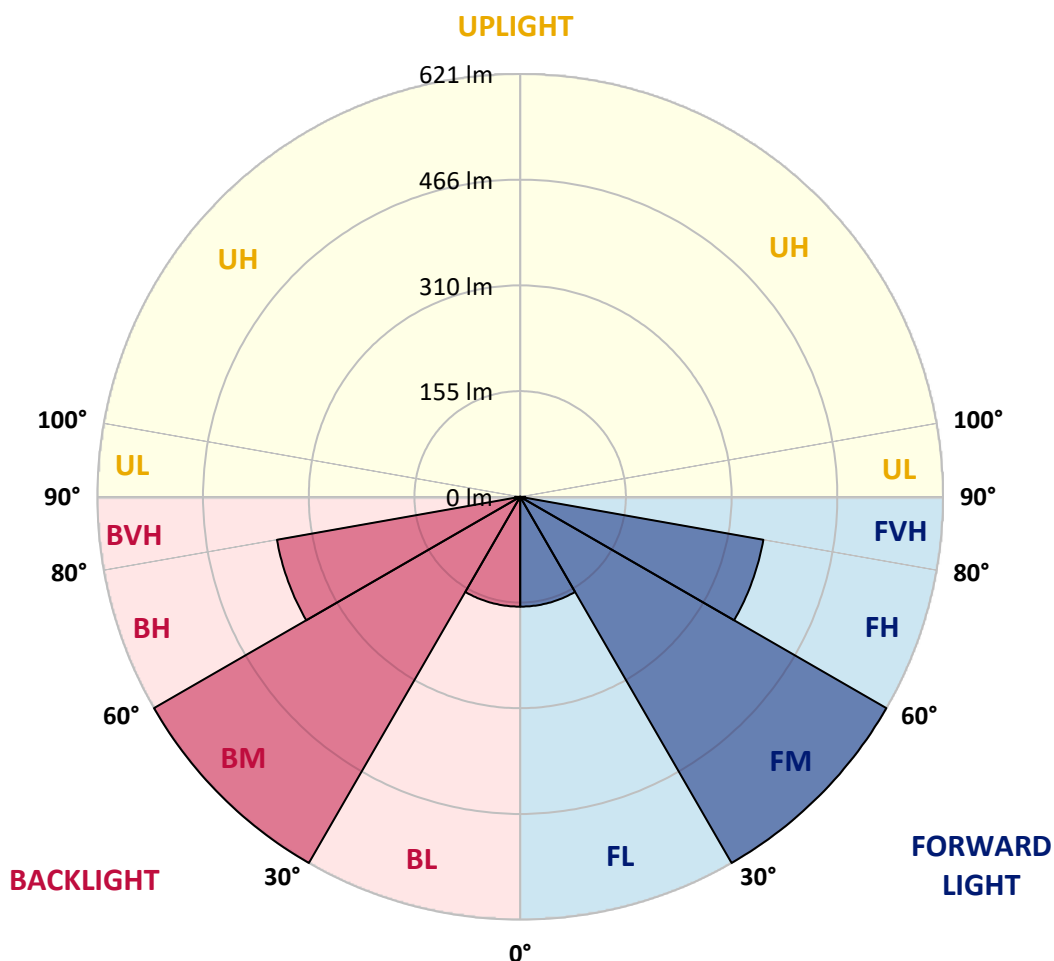
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	161.2	7.0			
FM (30°-60°)	620.7	26.9			
FH (60°-80°)	362.5	15.7			G0/660
FVH (80°-90°)	7.5	0.3			G0/10
BL (0°-30°)	161.2	7.0	B1/500		
BM (30°-60°)	620.7	26.9	B1/1000		
BH (60°-80°)	362.5	15.7	B1/500		G1/500
BVH (80°-90°)	7.5	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	412.0	412.0	412.0	412.0	412.0	412.0	412.0	412.0	412.0	412.0	412.0
2.5°	397.3	382.6	384.4	386.3	390.9	395.5	390.9	386.3	386.3	386.3	395.5
5°	334.8	331.1	332.9	334.8	337.5	340.3	340.3	340.3	347.6	355.0	367.0
7.5°	288.8	290.6	291.5	292.5	298.0	303.5	311.8	320.1	334.8	349.5	361.4
10°	301.7	296.1	296.1	296.1	294.3	292.5	290.6	288.8	302.6	316.4	338.5
12.5°	305.3	298.0	302.6	307.2	309.0	310.9	312.7	314.5	317.3	320.1	337.5
15°	305.3	294.3	295.2	296.1	301.7	307.2	309.9	312.7	326.5	340.3	351.3
17.5°	303.5	288.8	290.6	292.5	296.1	299.8	300.7	301.7	326.5	351.3	368.8
20°	303.5	301.7	300.7	299.8	298.9	298.0	298.9	299.8	321.0	342.1	370.6
22.5°	312.7	303.5	304.4	305.3	306.3	307.2	304.4	301.7	322.8	344.0	368.8
25°	305.3	303.5	303.5	303.5	307.2	310.9	314.5	318.2	335.7	353.2	374.3
27.5°	310.9	309.0	309.0	309.0	310.9	312.7	317.3	321.9	345.8	369.7	398.2
30°	316.4	312.7	314.5	316.4	319.1	321.9	326.5	331.1	354.1	377.1	410.2
32.5°	340.3	321.9	322.8	323.7	327.4	331.1	336.6	342.1	367.0	391.8	429.5
35°	345.8	334.8	336.6	338.5	343.1	347.6	353.2	358.7	383.5	408.4	447.9
37.5°	351.3	351.3	351.3	351.3	359.6	367.9	371.6	375.2	401.0	426.7	462.6
40°	367.9	367.9	368.8	369.7	376.2	382.6	388.1	393.6	418.5	443.3	477.3
42.5°	388.1	386.3	390.0	393.6	396.4	399.2	407.4	415.7	430.4	445.1	486.5
45°	410.2	399.2	399.2	399.2	410.2	421.2	428.6	435.9	459.9	483.8	516.9
47.5°	404.7	404.7	403.8	402.8	414.8	426.7	437.8	448.8	477.3	505.8	534.4
50°	406.5	404.7	408.4	412.0	420.3	428.6	445.1	461.7	490.2	518.7	557.3
52.5°	397.3	404.7	402.8	401.0	415.7	430.4	446.1	461.7	494.8	527.9	569.3
55°	362.4	362.4	369.7	377.1	395.5	413.9	438.7	463.5	496.6	529.8	581.3
57.5°	331.1	325.6	328.3	331.1	347.6	364.2	400.1	435.9	481.9	527.9	595.1
60°	275.9	266.7	275.9	285.1	303.5	321.9	357.8	393.6	448.8	504.0	588.6
62.5°	235.4	237.3	241.0	244.6	259.4	274.1	298.9	323.7	375.2	426.7	536.2
65°	193.1	189.5	191.3	193.1	207.9	222.6	242.8	263.0	297.1	331.1	448.8
67.5°	112.2	110.4	113.1	115.9	128.8	141.6	166.5	191.3	217.1	242.8	334.8
70°	57.0	58.9	59.8	60.7	65.3	69.9	87.4	104.8	135.2	165.5	225.3
72.5°	44.1	42.3	43.2	44.1	45.1	46.0	51.5	57.0	77.3	97.5	145.3
75°	31.3	31.3	32.2	33.1	33.1	33.1	34.0	34.9	41.4	47.8	94.7
77.5°	25.8	25.8	24.8	23.9	23.9	23.9	23.9	23.9	26.7	29.4	57.9
80°	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	21.2	22.1	31.3
82.5°	16.6	16.6	16.6	16.6	15.6	14.7	14.7	14.7	14.7	14.7	16.6
85°	14.7	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.0	11.0	11.0
87.5°	12.9	12.9	12.9	12.9	12.0	11.0	11.0	11.0	10.1	9.2	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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	412.0	412.0	412.0	412.0	412.0	412.0	412.0	412.0
2.5°	404.7	413.9	423.1	417.1	413.9	412.0	410.2	415.7
5°	378.9	390.9	402.8	412.5	423.1	420.3	417.5	419.4
7.5°	373.4	382.6	391.8	408.4	421.2	424.0	426.7	423.1
10°	360.5	382.6	404.7	418.5	432.3	435.0	437.8	437.8
12.5°	355.0	383.5	412.0	430.9	447.0	451.6	456.2	452.5
15°	362.4	382.6	402.8	437.8	463.5	469.1	474.6	467.2
17.5°	386.3	396.4	406.5	449.7	483.8	490.2	496.6	489.3
20°	399.2	412.9	426.7	461.7	504.0	512.3	520.6	515.0
22.5°	393.6	424.9	456.2	469.5	493.0	521.5	550.0	544.5
25°	395.5	437.8	480.1	495.3	511.4	543.5	575.7	570.2
27.5°	426.7	458.9	491.1	521.9	546.3	574.8	603.3	596.0
30°	443.3	481.9	520.6	556.4	581.3	607.9	634.6	629.1
32.5°	467.2	500.3	533.4	584.0	623.6	642.9	662.2	665.9
35°	487.4	523.3	559.2	613.0	654.8	673.2	691.6	691.6
37.5°	498.5	535.3	572.1	620.8	665.9	686.1	706.3	713.7
40°	511.4	546.3	581.3	632.8	682.4	710.9	739.4	735.8
42.5°	527.9	563.8	599.6	646.6	689.8	727.5	765.2	765.2
45°	550.0	579.4	608.8	658.1	706.3	747.7	789.1	790.9
47.5°	562.9	593.2	623.6	669.1	715.5	763.4	811.2	820.4
50°	596.0	624.5	653.0	693.9	739.4	783.6	827.7	849.8
52.5°	610.7	647.5	684.3	728.4	778.1	822.2	866.4	894.0
55°	632.8	677.8	722.9	779.5	833.3	901.3	969.4	1008.0
57.5°	662.2	740.4	818.5	885.7	949.1	1060.4	1171.7	1210.3
60°	673.2	813.9	954.7	1058.6	1133.1	1264.6	1396.1	1412.7
62.5°	645.6	831.4	1017.2	1140.9	1225.1	1339.1	1453.1	1489.9
65°	566.5	784.5	1002.5	1133.5	1206.7	1285.8	1364.8	1412.7
67.5°	426.7	660.4	894.0	1015.4	1083.4	1145.0	1206.7	1232.4
70°	285.1	490.2	695.3	816.7	899.5	925.2	951.0	978.6
72.5°	193.1	334.8	476.4	562.4	616.2	628.2	640.1	621.7
75°	141.6	213.4	285.1	310.9	314.5	287.9	261.2	224.4
77.5°	86.5	109.4	132.4	131.5	130.6	103.9	77.3	73.6
80°	40.5	48.7	57.0	52.0	55.2	45.1	34.9	33.1
82.5°	18.4	22.1	25.8	27.1	33.1	26.7	20.2	18.4
85°	11.0	11.0	11.0	11.0	11.0	9.2	7.4	7.4
87.5°	7.4	6.4	5.5	5.1	3.7	2.8	1.8	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)