

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: P394758

Luminaire Tested: **303-B2-LEDB4-2700-UNV-T2-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394758
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-T2-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, DUAL HEAD, FOUR LIGHTBAR, TYPE 2
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2239.9 lumens
Efficiency: N/A
Efficacy: 73.2 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

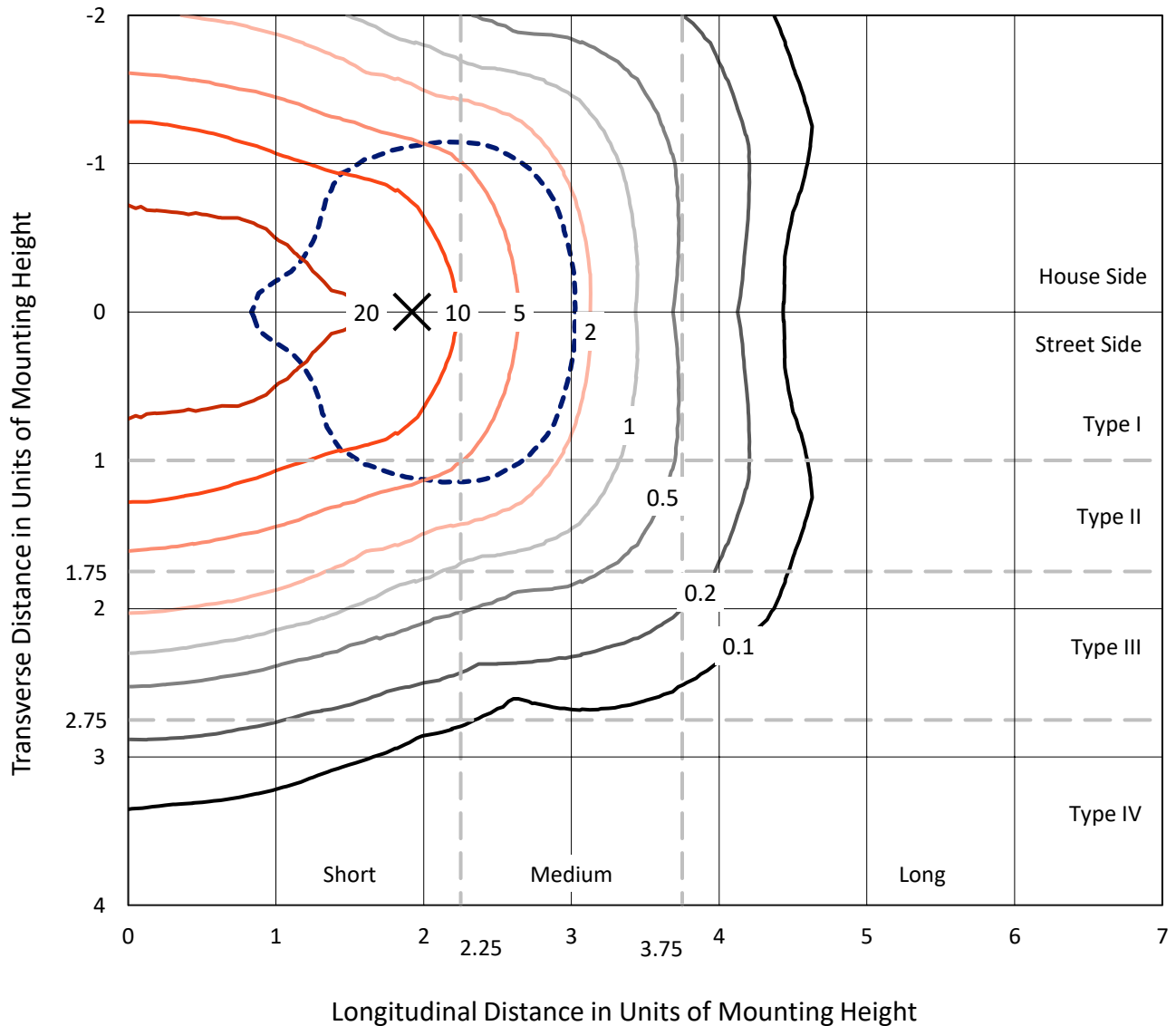
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

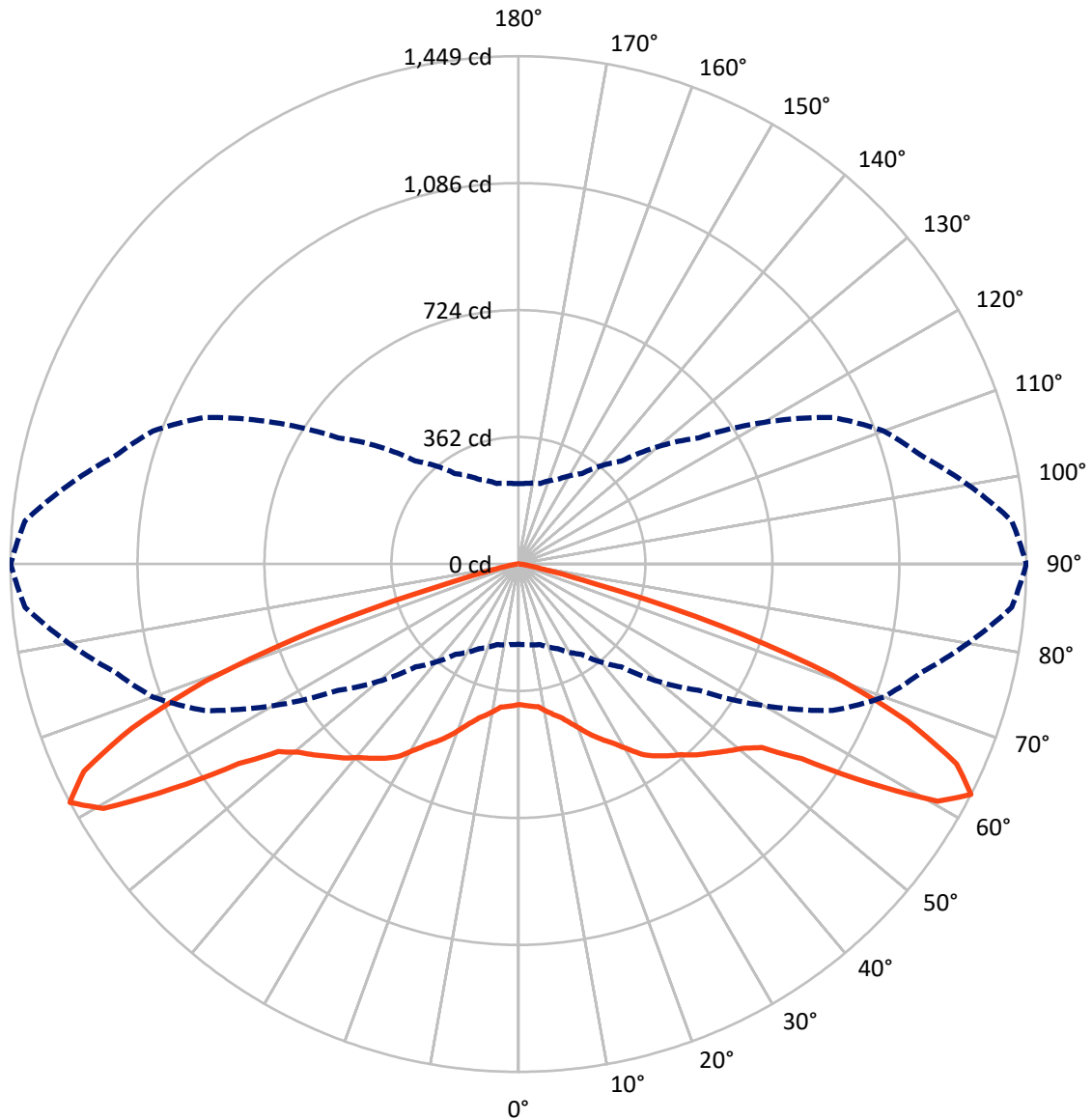
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 46.2 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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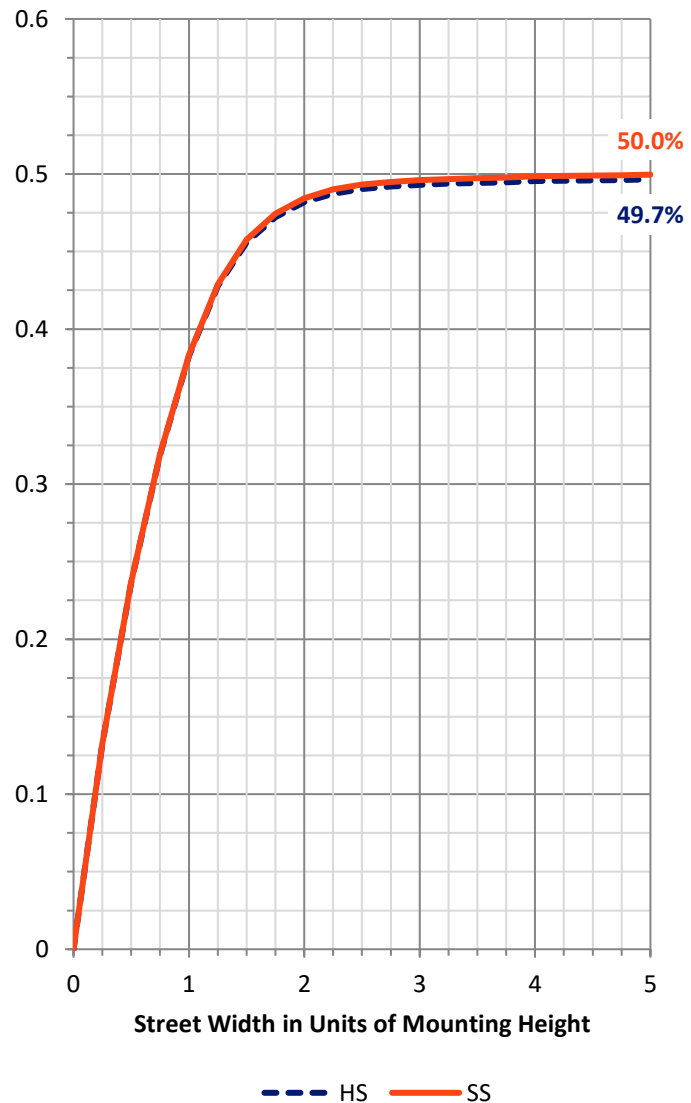
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1120.0	0.0	1120.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1120.0	0.0	1120.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2239.9	0.0	2239.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.7	1.5
10°-20°	100.2	4.5
20°-30°	179.5	8.0
30°-40°	283.6	12.7
40°-50°	399.8	17.8
50°-60°	523.6	23.4
60°-70°	542.1	24.2
70°-80°	162.8	7.3
80°-90°	14.6	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°	2239.9	100.0
0°-180°	2239.9	100.0



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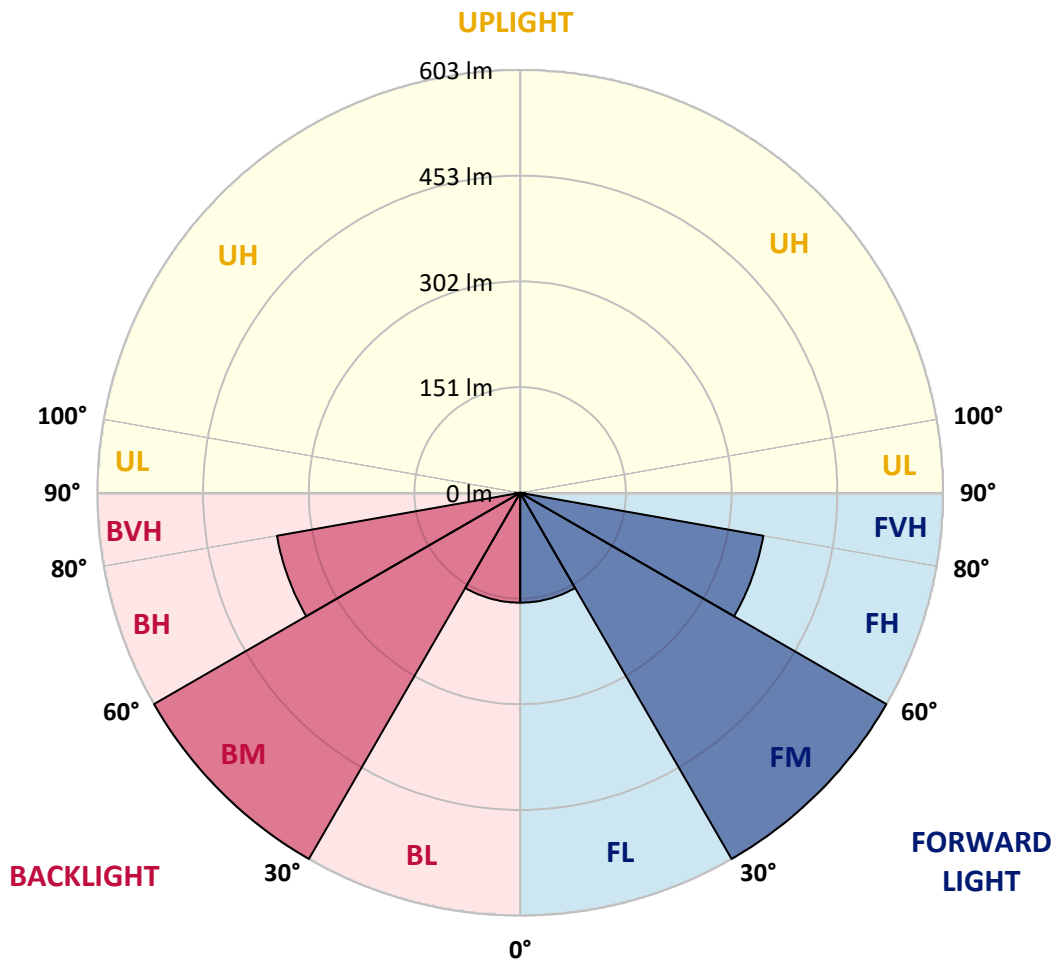
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	156.7	7.0			
FM (30°-60°)	603.5	26.9			
FH (60°-80°)	352.5	15.7			G0/660
FVH (80°-90°)	7.3	0.3			G0/10
BL (0°-30°)	156.7	7.0	B1/500		
BM (30°-60°)	603.5	26.9	B1/1000		
BH (60°-80°)	352.5	15.7	B1/500		G1/500
BVH (80°-90°)	7.3	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°	400.6	400.6	400.6	400.6	400.6	400.6	400.6	400.6	400.6	400.6	400.6
2.5°	386.3	372.0	373.8	375.5	380.0	384.5	380.0	375.5	375.5	375.5	384.5
5°	325.5	321.9	323.7	325.5	328.2	330.8	330.8	330.8	338.0	345.1	356.8
7.5°	280.8	282.6	283.4	284.3	289.7	295.1	303.1	311.2	325.5	339.8	351.4
10°	293.3	287.9	287.9	287.9	286.1	284.3	282.6	280.8	294.2	307.6	329.1
12.5°	296.9	289.7	294.2	298.6	300.4	302.2	304.0	305.8	308.5	311.2	328.2
15°	296.9	286.1	287.0	287.9	293.3	298.6	301.3	304.0	317.4	330.8	341.6
17.5°	295.1	280.8	282.6	284.3	287.9	291.5	292.4	293.3	317.4	341.6	358.6
20°	295.1	293.3	292.4	291.5	290.6	289.7	290.6	291.5	312.1	332.6	360.3
22.5°	304.0	295.1	296.0	296.9	297.8	298.6	296.0	293.3	313.9	334.4	358.6
25°	296.9	295.1	295.1	295.1	298.6	302.2	305.8	309.4	326.4	343.4	363.9
27.5°	302.2	300.4	300.4	300.4	302.2	304.0	308.5	313.0	336.2	359.5	387.2
30°	307.6	304.0	305.8	307.6	310.3	313.0	317.4	321.9	344.3	366.6	398.8
32.5°	330.8	313.0	313.9	314.7	318.3	321.9	327.3	332.6	356.8	380.9	417.6
35°	336.2	325.5	327.3	329.1	333.5	338.0	343.4	348.7	372.9	397.0	435.5
37.5°	341.6	341.6	341.6	341.6	349.6	357.7	361.2	364.8	389.9	414.9	449.8
40°	357.7	357.7	358.6	359.5	365.7	372.0	377.3	382.7	406.8	431.0	464.1
42.5°	377.3	375.5	379.1	382.7	385.4	388.1	396.1	404.2	418.5	432.8	473.0
45°	398.8	388.1	388.1	388.1	398.8	409.5	416.7	423.8	447.1	470.3	502.5
47.5°	393.4	393.4	392.5	391.6	403.3	414.9	425.6	436.4	464.1	491.8	519.5
50°	395.2	393.4	397.0	400.6	408.6	416.7	432.8	448.9	476.6	504.3	541.9
52.5°	386.3	393.4	391.6	389.9	404.2	418.5	433.7	448.9	481.1	513.2	553.5
55°	352.3	352.3	359.5	366.6	384.5	402.4	426.5	450.7	482.8	515.0	565.1
57.5°	321.9	316.5	319.2	321.9	338.0	354.1	389.0	423.8	468.5	513.2	578.5
60°	268.2	259.3	268.2	277.2	295.1	313.0	347.8	382.7	436.4	490.0	572.3
62.5°	228.9	230.7	234.3	237.8	252.2	266.5	290.6	314.7	364.8	414.9	521.3
65°	187.8	184.2	186.0	187.8	202.1	216.4	236.1	255.7	288.8	321.9	436.4
67.5°	109.1	107.3	110.0	112.7	125.2	137.7	161.8	186.0	211.0	236.1	325.5
70°	55.4	57.2	58.1	59.0	63.5	68.0	84.9	101.9	131.4	160.9	219.1
72.5°	42.9	41.1	42.0	42.9	43.8	44.7	50.1	55.4	75.1	94.8	141.3
75°	30.4	30.4	31.3	32.2	32.2	32.2	33.1	34.0	40.2	46.5	92.1
77.5°	25.0	25.0	24.1	23.2	23.2	23.2	23.2	23.2	25.9	28.6	56.3
80°	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	20.6	21.5	30.4
82.5°	16.1	16.1	16.1	16.1	15.2	14.3	14.3	14.3	14.3	14.3	16.1
85°	14.3	12.5	12.5	12.5	12.5	12.5	12.5	12.5	11.6	10.7	10.7
87.5°	12.5	12.5	12.5	12.5	11.6	10.7	10.7	10.7	9.8	8.9	8.0
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°	400.6	400.6	400.6	400.6	400.6	400.6	400.6	400.6
2.5°	393.4	402.4	411.3	405.5	402.4	400.6	398.8	404.2
5°	368.4	380.0	391.6	401.0	411.3	408.6	405.9	407.7
7.5°	363.0	372.0	380.9	397.0	409.5	412.2	414.9	411.3
10°	350.5	372.0	393.4	406.8	420.3	422.9	425.6	425.6
12.5°	345.1	372.9	400.6	418.9	434.6	439.0	443.5	439.9
15°	352.3	372.0	391.6	425.6	450.7	456.0	461.4	454.2
17.5°	375.5	385.4	395.2	437.2	470.3	476.6	482.8	475.7
20°	388.1	401.5	414.9	448.9	490.0	498.0	506.1	500.7
22.5°	382.7	413.1	443.5	456.5	479.3	507.0	534.7	529.3
25°	384.5	425.6	466.8	481.5	497.2	528.4	559.7	554.4
27.5°	414.9	446.2	477.5	507.4	531.1	558.9	586.6	579.4
30°	431.0	468.5	506.1	541.0	565.1	591.0	617.0	611.6
32.5°	454.2	486.4	518.6	567.8	606.2	625.0	643.8	647.4
35°	473.9	508.8	543.6	596.0	636.6	654.5	672.4	672.4
37.5°	484.6	520.4	556.2	603.6	647.4	667.0	686.7	693.9
40°	497.2	531.1	565.1	615.2	663.5	691.2	718.9	715.3
42.5°	513.2	548.1	583.0	628.6	670.6	707.3	743.9	743.9
45°	534.7	563.3	591.9	639.8	686.7	727.0	767.2	769.0
47.5°	547.2	576.7	606.2	650.5	695.7	742.2	788.6	797.6
50°	579.4	607.1	634.9	674.6	718.9	761.8	804.7	826.2
52.5°	593.7	629.5	665.3	708.2	756.5	799.4	842.3	869.1
55°	615.2	659.0	702.8	757.8	810.1	876.3	942.4	980.0
57.5°	643.8	719.8	795.8	861.1	922.8	1031.0	1139.2	1176.7
60°	654.5	791.3	928.1	1029.2	1101.6	1229.5	1357.3	1373.4
62.5°	627.7	808.3	988.9	1109.2	1191.0	1301.9	1412.8	1448.5
65°	550.8	762.7	974.6	1102.1	1173.1	1250.0	1326.9	1373.4
67.5°	414.9	642.0	869.1	987.2	1053.3	1113.2	1173.1	1198.2
70°	277.2	476.6	676.0	794.0	874.5	899.5	924.6	951.4
72.5°	187.8	325.5	463.2	546.8	599.1	610.7	622.3	604.5
75°	137.7	207.4	277.2	302.2	305.8	279.9	253.9	218.2
77.5°	84.1	106.4	128.8	127.9	127.0	101.0	75.1	71.5
80°	39.3	47.4	55.4	50.5	53.6	43.8	34.0	32.2
82.5°	17.9	21.5	25.0	26.4	32.2	25.9	19.7	17.9
85°	10.7	10.7	10.7	10.7	10.7	8.9	7.2	7.2
87.5°	7.2	6.3	5.4	4.9	3.6	2.7	1.8	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)