

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: McGRAW-EDISON

Report Number: P459805

Luminaire Tested: **GWC-SA2A-AMB-U-SL3**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459805
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA2A-AMB-U-SL3
Description: GALLEON WALL LUMINAIRE
(2) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2186 lumens
Efficiency: N/A
Efficacy: 52.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

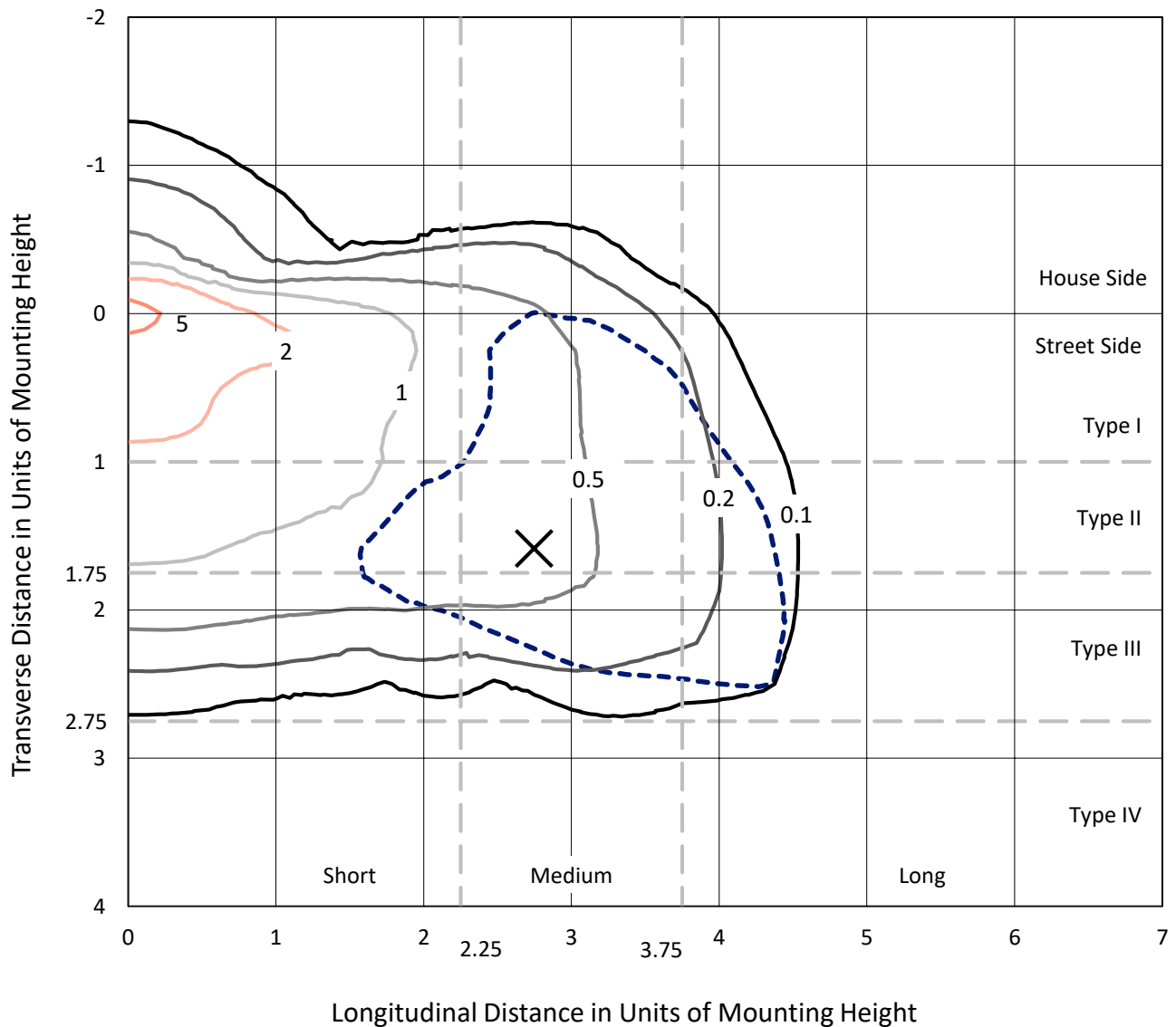
Input Watts (W): 41.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

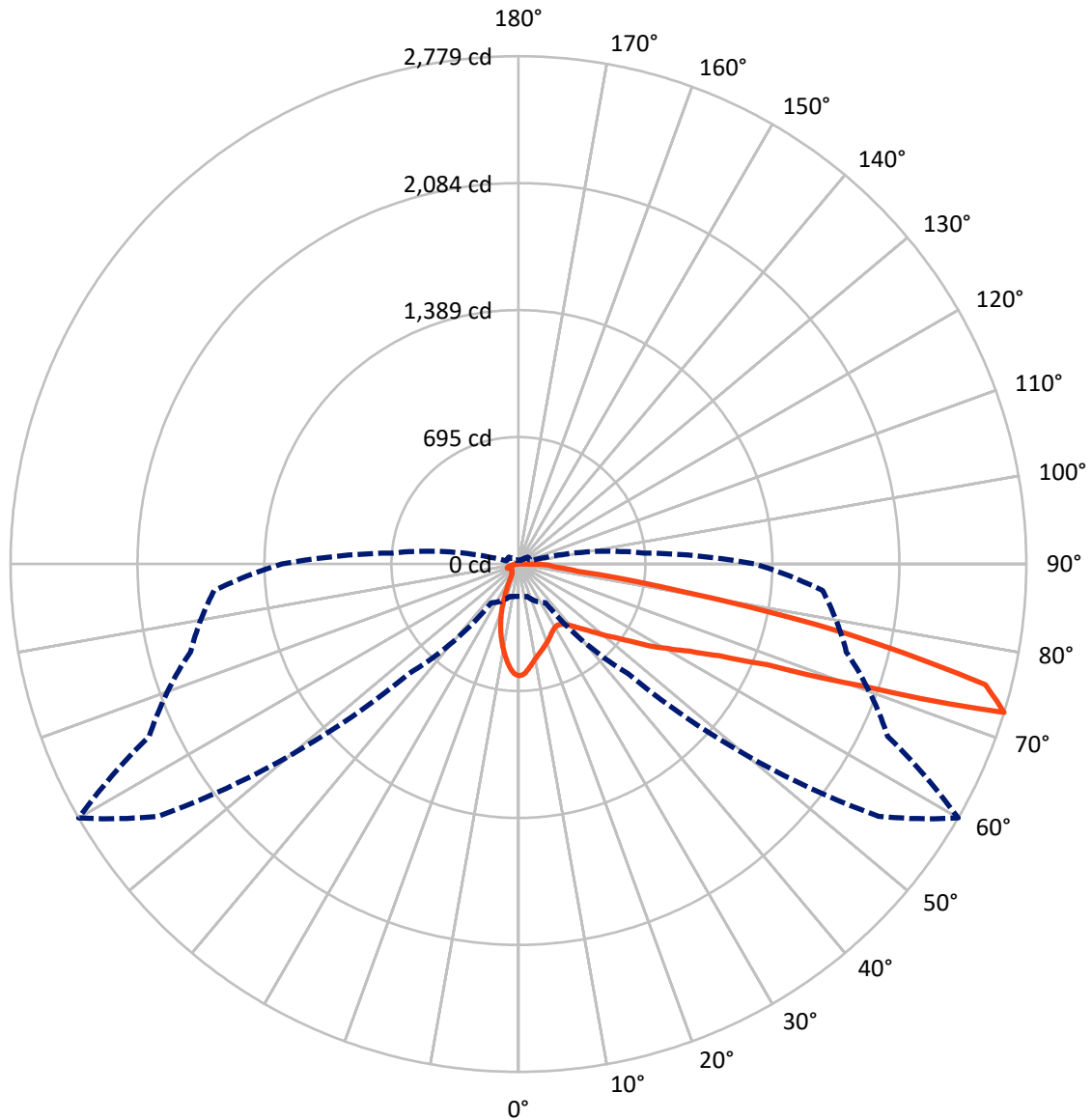
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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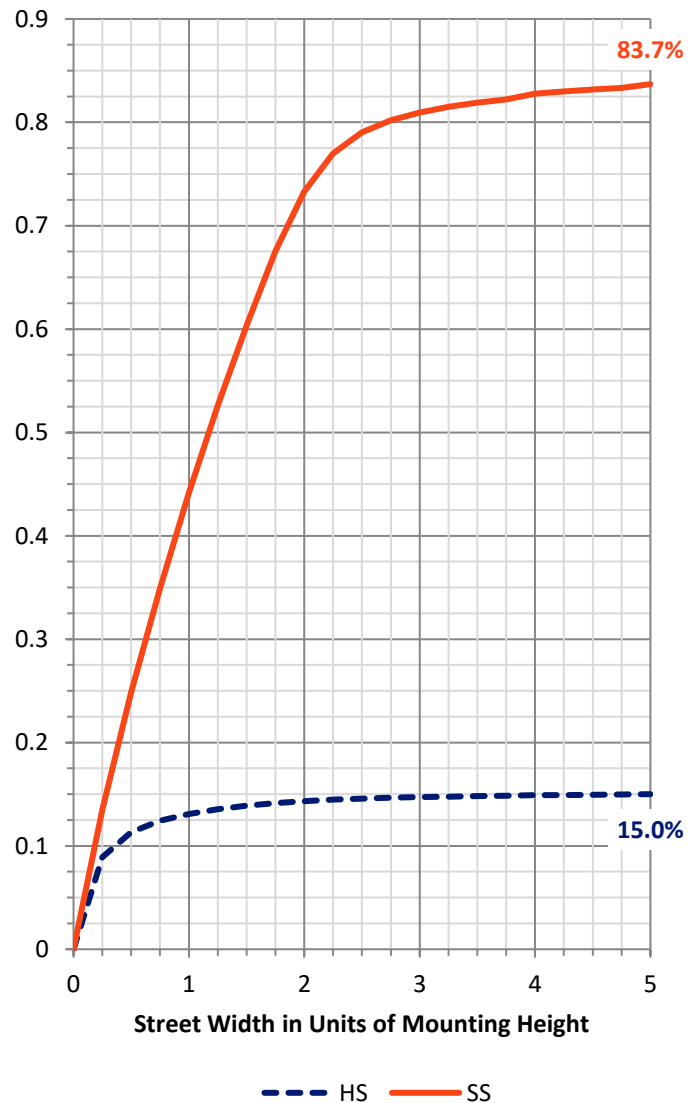
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	332.2	0.0	332.2
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	1853.9	0.0	1853.9
	% Fixture	84.8	0.0	84.8
Total	Lumens	2186.0	0.0	2186.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.3	2.3
10°-20°	108.9	5.0
20°-30°	134.6	6.2
30°-40°	170.2	7.8
40°-50°	241.7	11.1
50°-60°	368.5	16.9
60°-70°	555.8	25.4
70°-80°	489.0	22.4
80°-90°	66.0	3.0
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°	2186.0	100.0
0°-180°	2186.0	100.0



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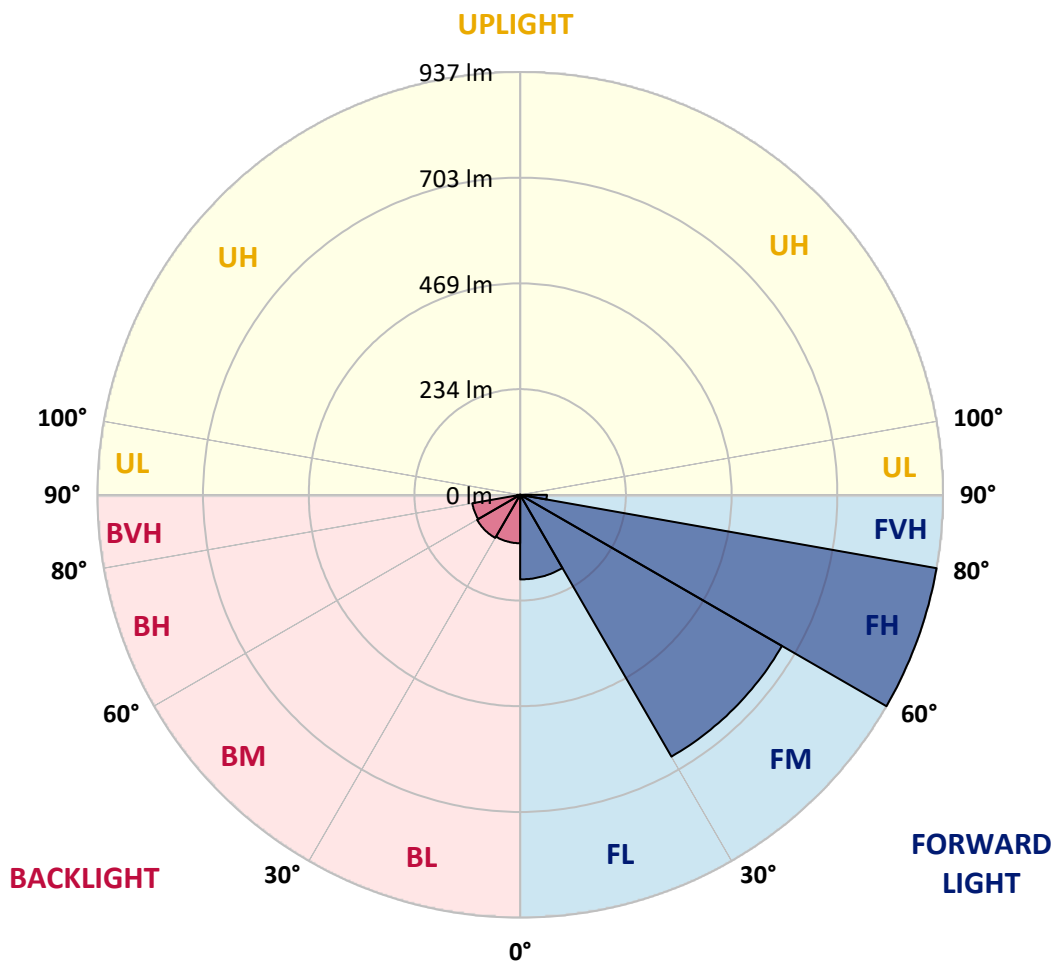
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	187.5	8.6			
FM	(30°-60°)	670.0	30.6			
FH	(60°-80°)	937.2	42.9			G1/1800
FVH	(80°-90°)	59.1	2.7			G1/100
BL	(0°-30°)	107.3	4.9	B0/110		
BM	(30°-60°)	110.4	5.0	B0/220		
BH	(60°-80°)	107.6	4.9	B0/110		G0/110
BVH	(80°-90°)	6.9	0.3			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1
2.5°	594.3	594.3	594.3	598.0	598.9	598.9	602.7	602.7	601.7	605.5	604.5
5°	557.8	559.7	559.7	561.5	567.2	570.0	575.6	576.5	579.3	584.9	588.6
7.5°	513.0	515.8	520.4	527.9	533.5	538.2	548.5	548.5	553.1	561.5	568.1
10°	470.9	471.9	475.6	484.0	495.2	507.4	519.5	523.2	528.8	539.1	549.4
12.5°	442.0	443.8	445.7	453.2	465.3	477.5	496.1	503.6	510.2	522.3	536.3
15°	411.1	412.1	416.7	426.1	441.0	454.1	475.6	485.9	496.1	512.0	527.0
17.5°	390.6	389.6	393.4	399.9	415.8	433.5	456.9	469.0	481.2	502.7	518.6
20°	379.3	380.3	380.3	382.2	392.4	410.2	437.3	453.2	469.0	497.1	513.9
22.5°	376.5	376.5	373.7	372.8	377.5	392.4	419.5	437.3	456.0	496.1	511.1
25°	376.5	376.5	373.7	370.0	370.0	378.4	402.7	419.5	442.0	497.1	507.4
27.5°	383.1	383.1	379.3	373.7	369.1	370.9	389.6	407.4	432.6	498.9	504.6
30°	393.4	392.4	389.6	385.0	375.6	369.1	383.1	399.0	423.3	503.6	502.7
32.5°	403.6	404.6	402.7	399.0	388.7	374.7	382.2	397.1	421.4	510.2	502.7
35°	419.5	420.5	420.5	416.7	408.3	388.7	391.5	404.6	427.0	520.4	506.4
37.5°	437.3	437.3	440.1	440.1	429.8	408.3	409.2	419.5	438.2	534.5	515.8
40°	455.0	455.0	459.7	466.2	457.8	435.4	436.3	443.8	460.6	554.1	534.5
42.5°	477.5	475.6	485.9	494.3	490.5	470.0	465.3	474.7	486.8	581.2	562.5
45°	493.3	493.3	509.2	519.5	527.9	507.4	504.6	512.0	524.2	611.1	601.7
47.5°	512.0	513.0	529.8	551.3	564.4	552.2	548.5	558.7	567.2	650.3	651.2
50°	527.9	530.7	553.1	584.0	605.5	606.4	599.9	612.9	612.9	694.2	709.2
52.5°	549.4	554.1	583.0	616.7	652.2	664.3	666.2	669.9	670.9	748.4	773.6
55°	603.6	609.2	633.5	661.5	703.6	731.6	751.2	744.7	737.2	807.3	840.9
57.5°	699.8	695.2	704.5	711.0	752.2	797.9	846.5	843.7	821.3	875.5	912.9
60°	783.0	784.9	797.0	781.1	808.2	880.2	937.2	938.1	899.8	948.4	979.2
62.5°	790.5	802.6	854.0	889.5	930.6	975.5	1062.4	1050.2	1000.7	1019.4	1056.8
65°	643.8	659.7	743.7	859.6	1071.7	1262.3	1215.6	1210.0	1124.0	1118.4	1166.1
67.5°	331.7	343.8	388.7	602.7	964.3	1558.5	1589.3	1468.8	1294.1	1269.8	1327.7
70°	227.0	228.0	228.0	274.7	470.9	1428.6	2261.1	2006.1	1632.3	1522.1	1594.9
72.5°	177.5	177.5	184.1	224.2	258.8	847.5	2406.9	2778.8	2229.4	1857.5	1671.6
75°	132.7	133.6	145.8	186.9	252.3	253.2	2013.5	2639.6	2518.1	1832.3	1298.8
77.5°	100.9	99.0	114.9	154.2	245.7	230.8	1086.7	1844.4	1782.8	1245.5	470.9
80°	63.5	66.3	77.6	128.9	235.5	230.8	380.3	899.8	720.4	298.1	79.4
82.5°	36.4	38.3	48.6	80.4	211.2	229.9	237.3	326.1	178.5	73.8	37.4
85°	21.5	21.5	30.8	50.5	153.2	227.0	230.8	196.2	99.0	38.3	19.6
87.5°	9.3	11.2	17.8	24.3	69.1	191.5	209.3	166.3	71.9	21.5	10.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1
2.5°	603.6	603.6	601.7	601.7	602.7	598.0	597.1	594.3	596.1	595.2	591.4
5°	587.7	586.8	584.9	574.6	569.0	555.0	555.0	546.6	543.8	543.8	538.2
7.5°	568.1	565.3	553.1	536.3	520.4	505.5	491.5	481.2	473.7	467.2	468.1
10°	549.4	543.8	524.2	495.2	470.0	442.0	420.5	396.2	383.1	364.4	371.9
12.5°	534.5	526.0	494.3	453.2	415.8	374.7	331.7	295.3	265.4	246.7	235.5
15°	522.3	508.3	461.6	410.2	359.7	299.9	242.0	192.5	155.1	143.9	144.8
17.5°	511.1	491.5	432.6	366.3	298.1	225.2	158.8	126.1	114.0	108.4	108.4
20°	500.8	471.9	395.2	317.7	229.9	151.4	114.0	102.8	98.1	95.3	94.4
22.5°	487.7	454.1	358.8	267.2	164.4	109.3	94.4	88.8	87.8	87.8	87.8
25°	477.5	432.6	320.5	204.6	114.0	88.8	81.3	80.4	81.3	82.2	82.2
27.5°	465.3	411.1	282.2	143.9	86.9	74.7	71.9	73.8	75.7	77.6	77.6
30°	454.1	390.6	241.1	100.9	71.9	65.4	65.4	67.3	70.1	71.9	71.9
32.5°	446.6	375.6	192.5	79.4	63.5	59.8	60.7	61.7	64.5	65.4	65.4
35°	441.0	360.7	144.8	67.3	57.9	56.1	57.0	57.9	58.9	59.8	59.8
37.5°	442.0	352.3	103.7	59.8	54.2	53.3	54.2	54.2	54.2	55.1	55.1
40°	453.2	348.5	82.2	55.1	52.3	51.4	51.4	50.5	50.5	51.4	51.4
42.5°	470.0	349.4	72.9	53.3	50.5	49.5	48.6	47.7	47.7	47.7	47.7
45°	497.1	358.8	67.3	51.4	49.5	47.7	45.8	44.8	44.8	46.7	46.7
47.5°	537.3	372.8	61.7	50.5	47.7	44.8	43.9	43.0	43.9	44.8	45.8
50°	584.0	385.0	58.9	49.5	47.7	43.0	42.0	41.1	42.0	44.8	44.8
52.5°	638.2	402.7	57.9	49.5	46.7	42.0	40.2	40.2	41.1	43.9	43.9
55°	698.9	429.8	58.9	49.5	45.8	41.1	39.2	38.3	40.2	42.0	42.0
57.5°	762.4	466.2	60.7	49.5	43.9	41.1	38.3	36.4	37.4	39.2	39.2
60°	826.0	515.8	63.5	48.6	43.0	40.2	37.4	34.6	34.6	36.4	36.4
62.5°	901.7	577.4	72.9	50.5	43.0	38.3	34.6	31.8	31.8	32.7	32.7
65°	1000.7	667.1	86.9	57.0	46.7	36.4	31.8	29.0	29.0	29.0	29.0
67.5°	1164.2	810.1	92.5	63.5	53.3	36.4	29.9	27.1	26.2	26.2	25.2
70°	1377.2	903.5	82.2	66.3	63.5	37.4	28.0	24.3	23.4	23.4	22.4
72.5°	1293.2	688.6	70.1	64.5	64.5	38.3	27.1	23.4	21.5	20.6	20.6
75°	888.6	319.6	61.7	59.8	56.1	32.7	25.2	21.5	19.6	17.8	17.8
77.5°	261.6	86.0	51.4	52.3	43.0	27.1	23.4	19.6	17.8	15.9	15.9
80°	61.7	49.5	37.4	38.3	29.0	20.6	18.7	17.8	15.9	14.0	14.0
82.5°	35.5	31.8	26.2	24.3	17.8	14.0	14.9	14.9	14.0	12.1	11.2
85°	17.8	18.7	15.9	14.0	11.2	9.3	9.3	10.3	9.3	7.5	7.5
87.5°	10.3	9.3	10.3	7.5	5.6	4.7	5.6	5.6	5.6	3.7	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)