

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: P459797

Luminaire Tested: **GWC-SA1A-AMB-U-SL3**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459797
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-SA1A-AMB-U-SL3
Description: GALLEON WALL LUMINAIRE
(1) NARROW BAND AMBER, 500mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1156 lumens
Efficiency: N/A
Efficacy: 51.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

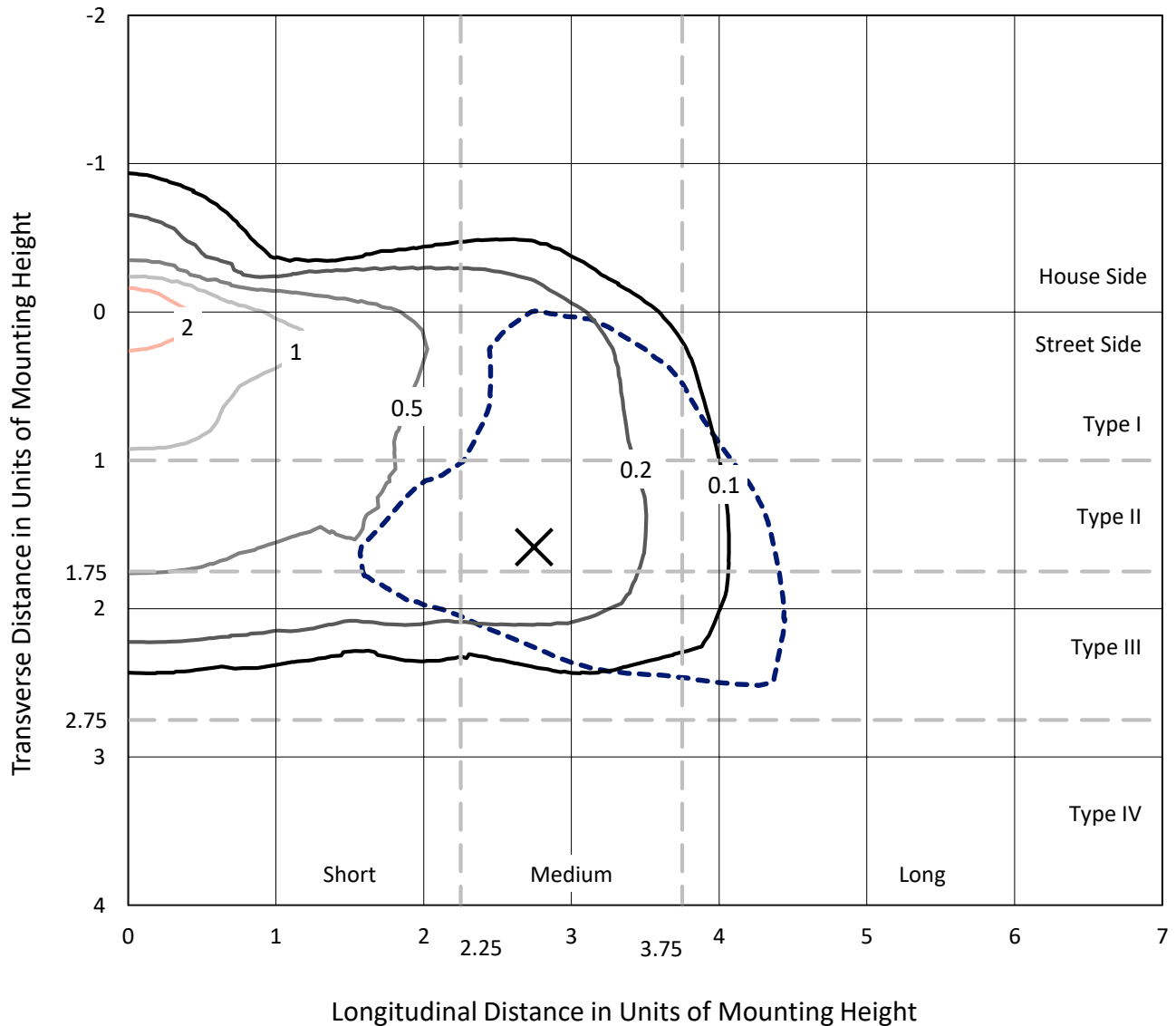
Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

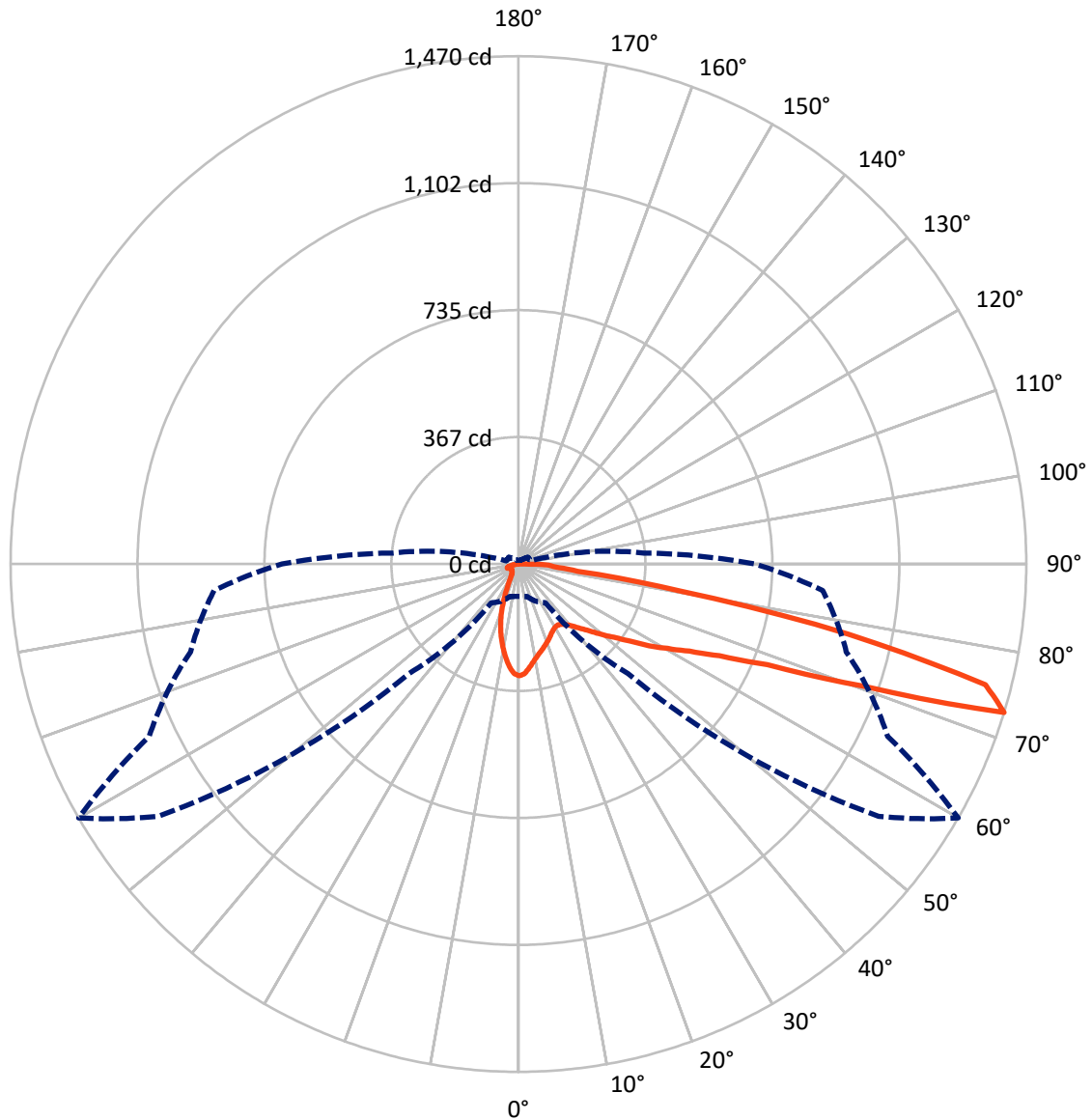


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Medium - Non-Cutoff

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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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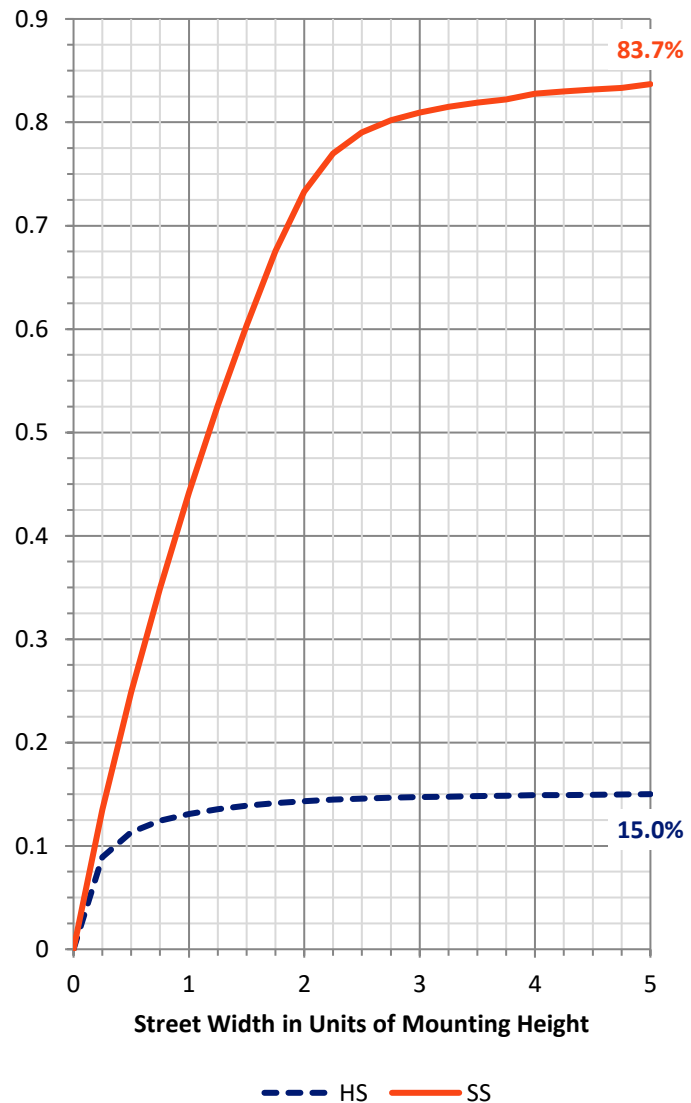
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	175.6	0.0	175.6
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	980.3	0.0	980.3
	% Fixture	84.8	0.0	84.8
Total	Lumens	1156.0	0.0	1156.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.1	2.3
10°-20°	57.6	5.0
20°-30°	71.2	6.2
30°-40°	90.0	7.8
40°-50°	127.8	11.1
50°-60°	194.9	16.9
60°-70°	293.9	25.4
70°-80°	258.6	22.4
80°-90°	34.9	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°	1156.0	100.0
0°-180°	1156.0	100.0



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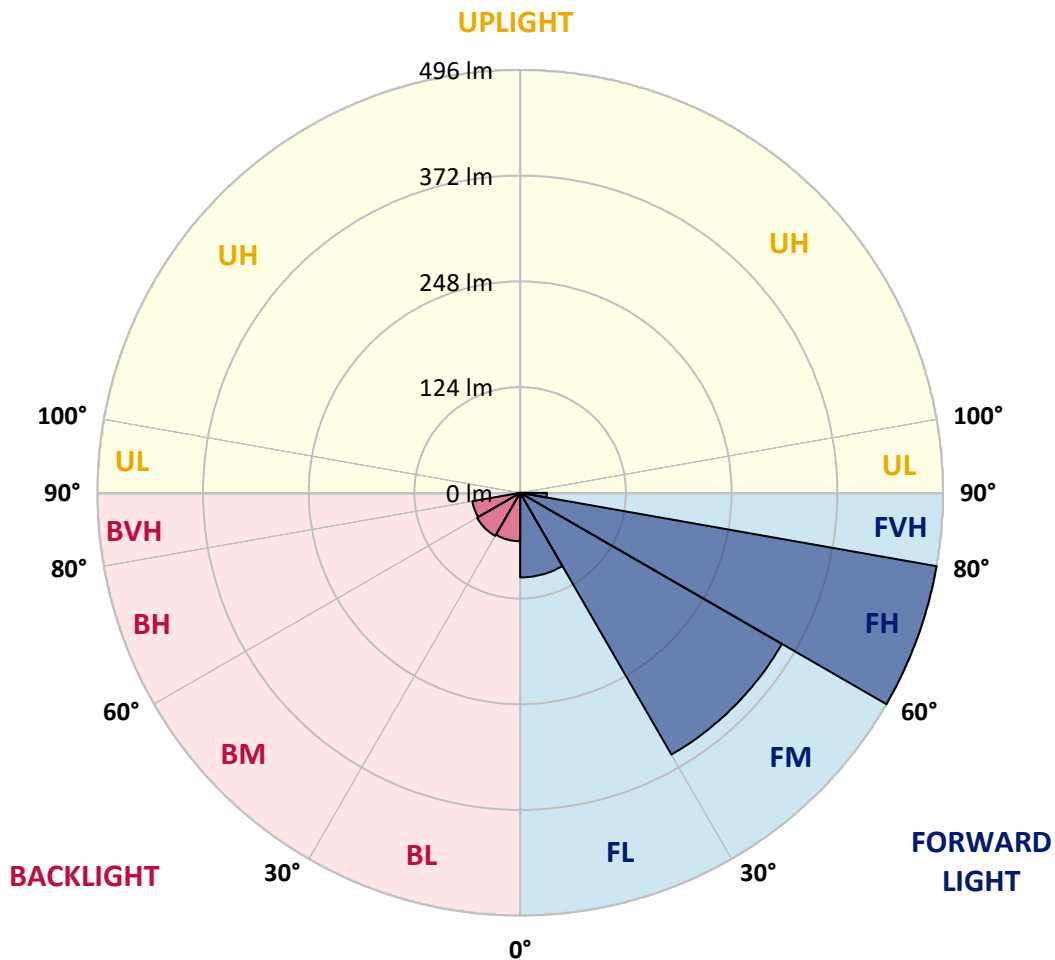
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	99.2	8.6			
FM	(30°-60°)	354.3	30.6			
FH	(60°-80°)	495.6	42.9			G0/660
FVH	(80°-90°)	31.3	2.7			G1/100
BL	(0°-30°)	56.7	4.9	B0/110		
BM	(30°-60°)	58.4	5.0	B0/220		
BH	(60°-80°)	56.9	4.9	B0/110		G0/110
BVH	(80°-90°)	3.6	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°	323.1	323.1	323.1	323.1	323.1	323.1	323.1	323.1	323.1	323.1	323.1
2.5°	314.3	314.3	314.3	316.2	316.7	316.7	318.7	318.7	318.2	320.2	319.7
5°	295.0	296.0	296.0	297.0	299.9	301.4	304.4	304.9	306.3	309.3	311.3
7.5°	271.3	272.7	275.2	279.2	282.1	284.6	290.0	290.0	292.5	297.0	300.4
10°	249.0	249.5	251.5	255.9	261.9	268.3	274.7	276.7	279.7	285.1	290.5
12.5°	233.7	234.7	235.7	239.6	246.1	252.5	262.4	266.3	269.8	276.2	283.6
15°	217.4	217.9	220.4	225.3	233.2	240.1	251.5	256.9	262.4	270.8	278.7
17.5°	206.5	206.0	208.0	211.5	219.9	229.3	241.6	248.0	254.5	265.8	274.2
20°	200.6	201.1	201.1	202.1	207.5	216.9	231.2	239.6	248.0	262.9	271.8
22.5°	199.1	199.1	197.6	197.1	199.6	207.5	221.9	231.2	241.1	262.4	270.3
25°	199.1	199.1	197.6	195.7	195.7	200.1	213.0	221.9	233.7	262.9	268.3
27.5°	202.6	202.6	200.6	197.6	195.2	196.2	206.0	215.4	228.8	263.9	266.8
30°	208.0	207.5	206.0	203.6	198.6	195.2	202.6	211.0	223.8	266.3	265.8
32.5°	213.5	213.9	213.0	211.0	205.5	198.1	202.1	210.0	222.8	269.8	265.8
35°	221.9	222.3	222.3	220.4	215.9	205.5	207.0	213.9	225.8	275.2	267.8
37.5°	231.2	231.2	232.7	232.7	227.3	215.9	216.4	221.9	231.7	282.6	272.7
40°	240.6	240.6	243.1	246.6	242.1	230.3	230.7	234.7	243.6	293.0	282.6
42.5°	252.5	251.5	256.9	261.4	259.4	248.5	246.1	251.0	257.4	307.3	297.5
45°	260.9	260.9	269.3	274.7	279.2	268.3	266.8	270.8	277.2	323.1	318.2
47.5°	270.8	271.3	280.2	291.5	298.4	292.0	290.0	295.5	299.9	343.9	344.4
50°	279.2	280.7	292.5	308.8	320.2	320.7	317.2	324.1	324.1	367.1	375.0
52.5°	290.5	293.0	308.3	326.1	344.9	351.3	352.3	354.3	354.8	395.8	409.1
55°	319.2	322.2	335.0	349.8	372.1	386.9	397.3	393.8	389.9	426.9	444.7
57.5°	370.1	367.6	372.6	376.0	397.8	422.0	447.7	446.2	434.3	463.0	482.7
60°	414.1	415.0	421.5	413.1	427.4	465.4	495.6	496.1	475.8	501.5	517.8
62.5°	418.0	424.4	451.6	470.4	492.1	515.8	561.8	555.4	529.2	539.1	558.8
65°	340.4	348.8	393.3	454.6	566.7	667.5	642.8	639.9	594.4	591.4	616.6
67.5°	175.4	181.8	205.5	318.7	509.9	824.2	840.5	776.7	684.3	671.5	702.1
70°	120.1	120.6	120.6	145.3	249.0	755.5	1195.7	1060.8	863.2	804.9	843.4
72.5°	93.9	93.9	97.3	118.6	136.9	448.2	1272.8	1469.5	1178.9	982.3	884.0
75°	70.2	70.7	77.1	98.8	133.4	133.9	1064.8	1395.9	1331.6	968.9	686.8
77.5°	53.4	52.4	60.8	81.5	130.0	122.0	574.6	975.4	942.8	658.6	249.0
80°	33.6	35.1	41.0	68.2	124.5	122.0	201.1	475.8	381.0	157.6	42.0
82.5°	19.3	20.3	25.7	42.5	111.7	121.6	125.5	172.4	94.4	39.0	19.8
85°	11.4	11.4	16.3	26.7	81.0	120.1	122.0	103.8	52.4	20.3	10.4
87.5°	4.9	5.9	9.4	12.8	36.6	101.3	110.7	88.0	38.0	11.4	5.4
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°	323.1	323.1	323.1	323.1	323.1	323.1	323.1	323.1	323.1	323.1	323.1
2.5°	319.2	319.2	318.2	318.2	318.7	316.2	315.7	314.3	315.2	314.7	312.8
5°	310.8	310.3	309.3	303.9	300.9	293.5	293.5	289.1	287.6	287.6	284.6
7.5°	300.4	298.9	292.5	283.6	275.2	267.3	259.9	254.5	250.5	247.1	247.5
10°	290.5	287.6	277.2	261.9	248.5	233.7	222.3	209.5	202.6	192.7	196.7
12.5°	282.6	278.2	261.4	239.6	219.9	198.1	175.4	156.1	140.3	130.4	124.5
15°	276.2	268.8	244.1	216.9	190.2	158.6	128.0	101.8	82.0	76.1	76.6
17.5°	270.3	259.9	228.8	193.7	157.6	119.1	84.0	66.7	60.3	57.3	57.3
20°	264.8	249.5	209.0	168.0	121.6	80.0	60.3	54.4	51.9	50.4	49.9
22.5°	257.9	240.1	189.7	141.3	87.0	57.8	49.9	46.9	46.4	46.4	46.4
25°	252.5	228.8	169.5	108.2	60.3	46.9	43.0	42.5	43.0	43.5	43.5
27.5°	246.1	217.4	149.2	76.1	46.0	39.5	38.0	39.0	40.0	41.0	41.0
30°	240.1	206.5	127.5	53.4	38.0	34.6	34.6	35.6	37.1	38.0	38.0
32.5°	236.2	198.6	101.8	42.0	33.6	31.6	32.1	32.6	34.1	34.6	34.6
35°	233.2	190.7	76.6	35.6	30.6	29.6	30.1	30.6	31.1	31.6	31.6
37.5°	233.7	186.3	54.8	31.6	28.7	28.2	28.7	28.7	28.7	29.2	29.2
40°	239.6	184.3	43.5	29.2	27.7	27.2	27.2	26.7	26.7	27.2	27.2
42.5°	248.5	184.8	38.5	28.2	26.7	26.2	25.7	25.2	25.2	25.2	25.2
45°	262.9	189.7	35.6	27.2	26.2	25.2	24.2	23.7	23.7	24.7	24.7
47.5°	284.1	197.1	32.6	26.7	25.2	23.7	23.2	22.7	23.2	23.7	24.2
50°	308.8	203.6	31.1	26.2	25.2	22.7	22.2	21.7	22.2	23.7	23.7
52.5°	337.5	213.0	30.6	26.2	24.7	22.2	21.2	21.2	21.7	23.2	23.2
55°	369.6	227.3	31.1	26.2	24.2	21.7	20.8	20.3	21.2	22.2	22.2
57.5°	403.2	246.6	32.1	26.2	23.2	21.7	20.3	19.3	19.8	20.8	20.8
60°	436.8	272.7	33.6	25.7	22.7	21.2	19.8	18.3	18.3	19.3	19.3
62.5°	476.8	305.4	38.5	26.7	22.7	20.3	18.3	16.8	16.8	17.3	17.3
65°	529.2	352.8	46.0	30.1	24.7	19.3	16.8	15.3	15.3	15.3	15.3
67.5°	615.7	428.4	48.9	33.6	28.2	19.3	15.8	14.3	13.8	13.8	13.3
70°	728.3	477.8	43.5	35.1	33.6	19.8	14.8	12.8	12.4	12.4	11.9
72.5°	683.8	364.2	37.1	34.1	34.1	20.3	14.3	12.4	11.4	10.9	10.9
75°	469.9	169.0	32.6	31.6	29.6	17.3	13.3	11.4	10.4	9.4	9.4
77.5°	138.3	45.5	27.2	27.7	22.7	14.3	12.4	10.4	9.4	8.4	8.4
80°	32.6	26.2	19.8	20.3	15.3	10.9	9.9	9.4	8.4	7.4	7.4
82.5°	18.8	16.8	13.8	12.8	9.4	7.4	7.9	7.9	7.4	6.4	5.9
85°	9.4	9.9	8.4	7.4	5.9	4.9	4.9	5.4	4.9	4.0	4.0
87.5°	5.4	4.9	5.4	4.0	3.0	2.5	3.0	3.0	3.0	2.0	2.0
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)