

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: P534567

Luminaire Tested: **GALN-SA1A-AMB-U-SL4-HSS**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-067-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/10/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1A-AMB-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) NARROW BAND AMBER, 500mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 971 lumens
Efficiency: N/A
Efficacy: 47.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

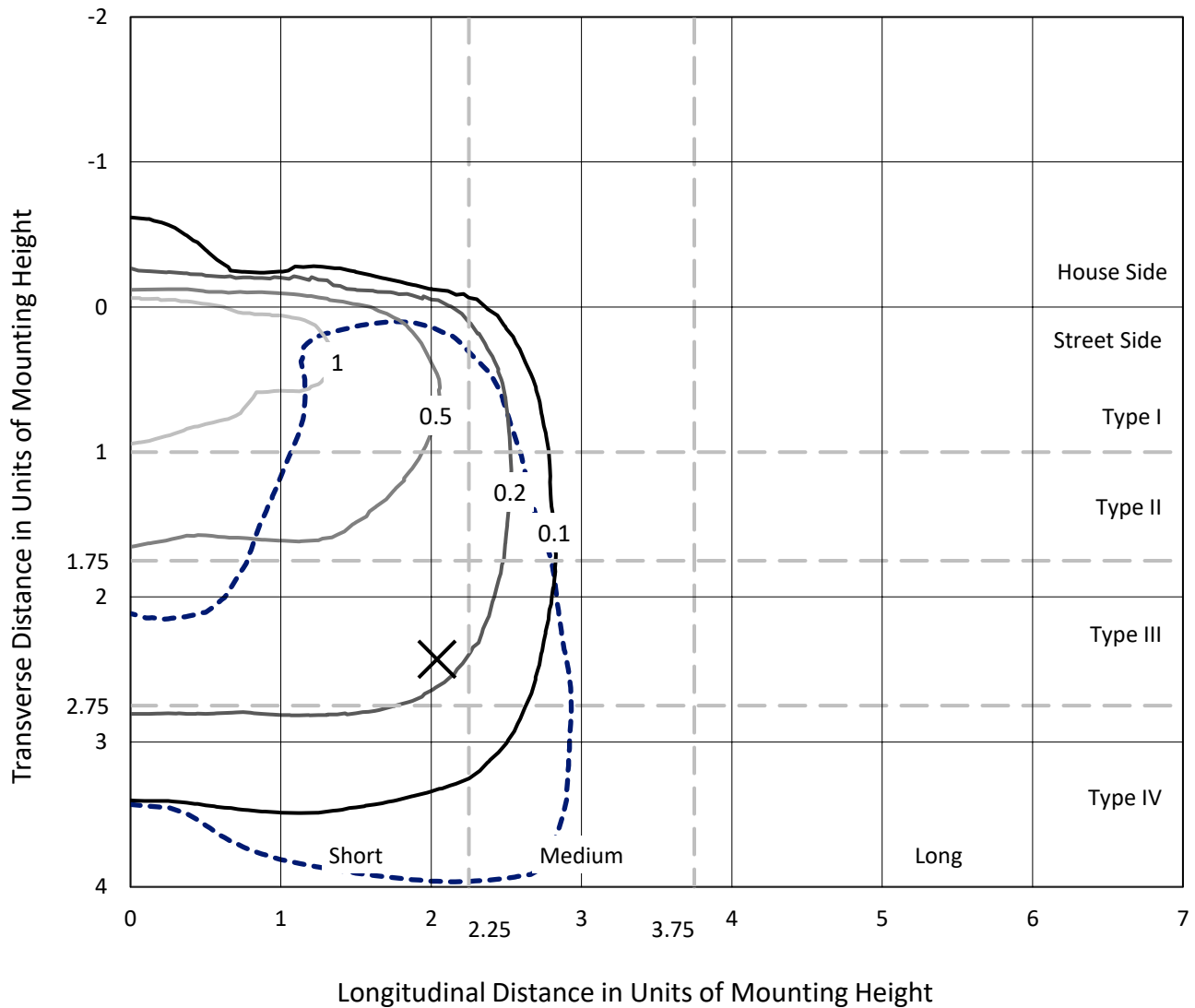
Input Watts (W): 20.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P534567
 CATALOG NUMBER: GALN-SA1A-AMB-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination

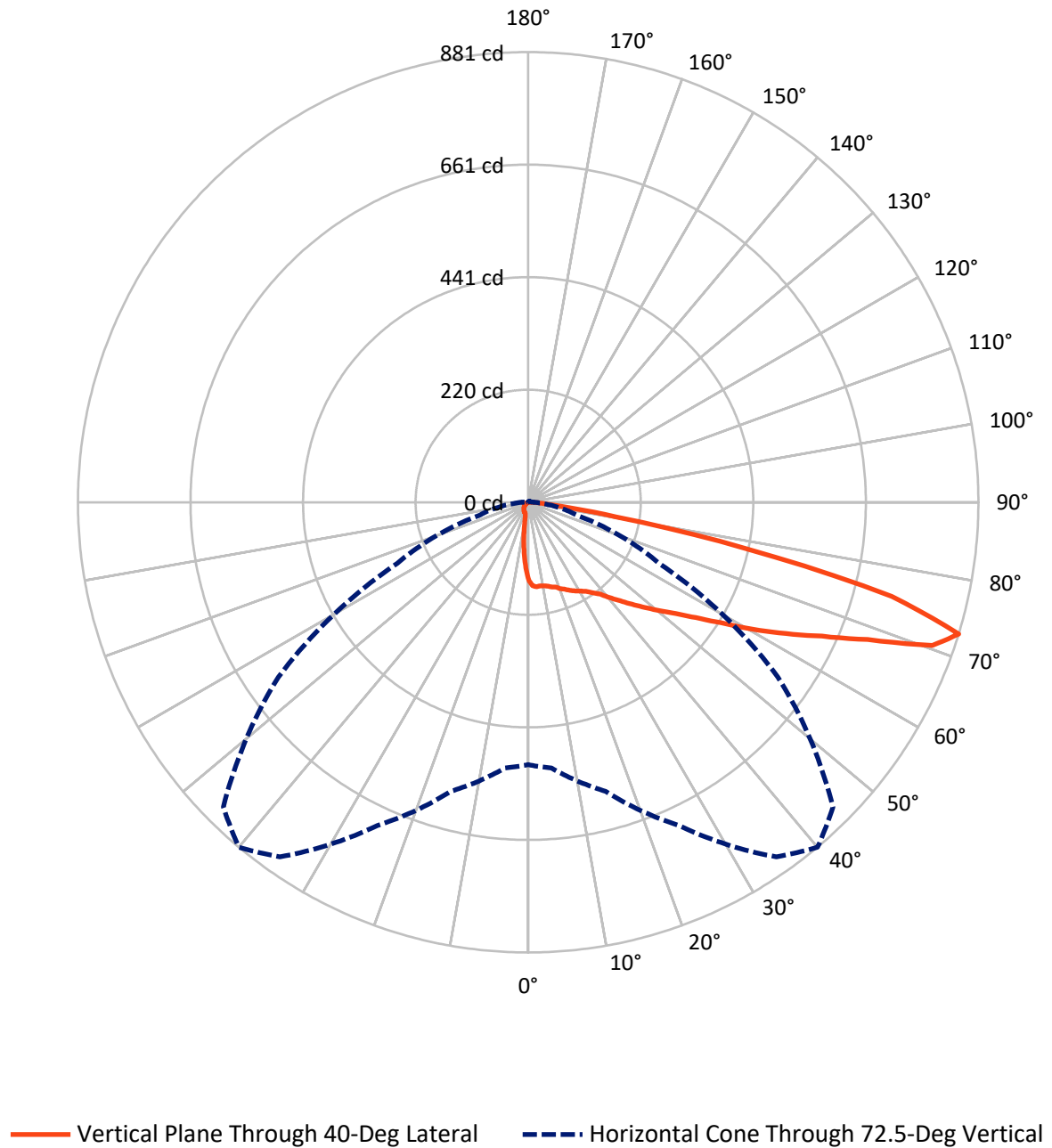
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P534567
CATALOG NUMBER: GALN-SA1A-AMB-U-SL4-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P534567

CATALOG NUMBER: GALN-SA1A-AMB-U-SL4-HSS

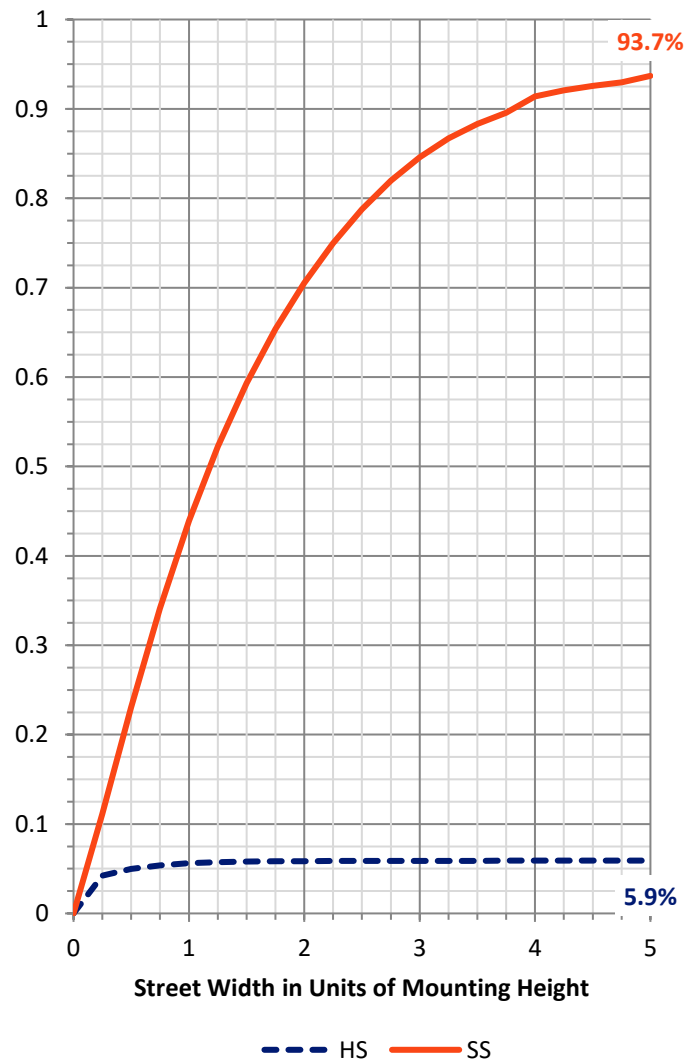
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	57.7	0.0	57.7
	% Fixture	5.9	0.0	5.9
Street Side	Lumens	913.3	0.0	913.3
	% Fixture	94.1	0.0	94.1
Total	Lumens	971.0	0.0	971.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	1.3
10°-20°	30.5	3.1
20°-30°	50.6	5.2
30°-40°	77.5	8.0
40°-50°	123.7	12.7
50°-60°	193.5	19.9
60°-70°	277.7	28.6
70°-80°	187.0	19.3
80°-90°	18.1	1.9
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°	971.0	100.0
0°-180°	971.0	100.0

Coefficient of Utilization



REPORT NUMBER: P534567

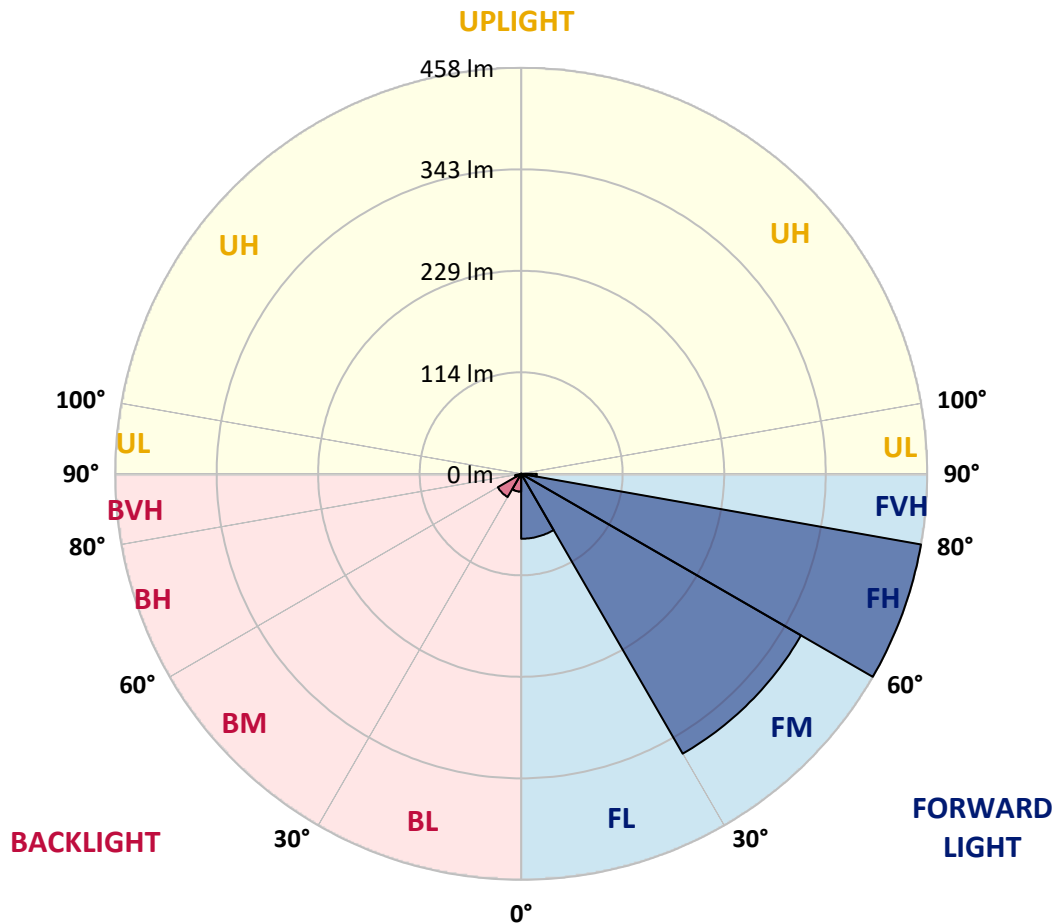
CATALOG NUMBER: GALN-SA1A-AMB-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	73.3	7.5			
FM	(30°-60°)	364.4	37.5			
FH	(60°-80°)	457.8	47.2			G0/660
FVH	(80°-90°)	17.7	1.8			G1/100
BL	(0°-30°)	20.1	2.1	B0/110		
BM	(30°-60°)	30.3	3.1	B0/220		
BH	(60°-80°)	6.9	0.7	B0/110		G0/110
BVH	(80°-90°)	0.4	0.0			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 IV Short



REPORT NUMBER: P534567

CATALOG NUMBER: GALN-SA1A-AMB-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	153.1	153.1	153.1	153.1	153.1	153.1	153.1	153.1	153.1	153.1	153.1
2.5°	168.4	167.4	165.3	164.7	164.7	163.1	163.1	161.0	158.9	155.7	152.0
5°	170.0	169.5	169.0	169.5	167.4	166.3	164.7	162.1	158.4	155.2	150.4
7.5°	170.0	170.0	169.0	167.4	167.4	165.3	164.7	161.5	158.4	154.7	148.8
10°	166.3	166.3	166.8	167.4	167.9	166.3	165.8	161.0	158.9	156.8	149.9
12.5°	162.6	162.1	165.3	167.4	169.0	168.4	166.8	165.3	161.0	156.3	150.4
15°	161.5	161.5	164.7	169.5	171.6	172.1	170.6	167.9	163.1	158.9	152.0
17.5°	162.1	162.1	166.3	172.1	175.3	174.3	174.8	170.0	165.3	161.5	155.2
20°	166.3	165.3	171.6	178.5	181.1	180.6	178.5	173.2	168.4	165.3	158.4
22.5°	169.5	169.0	176.4	183.3	187.5	184.9	183.3	175.3	170.6	169.0	162.1
25°	177.4	178.0	183.3	191.2	192.8	191.2	188.6	178.5	174.3	175.3	165.3
27.5°	185.9	187.0	192.8	198.1	198.1	196.5	193.9	183.3	179.6	180.6	171.1
30°	197.0	195.4	201.3	204.5	203.9	201.8	199.7	188.6	187.0	190.7	178.0
32.5°	210.3	208.7	211.9	212.9	209.2	207.6	207.1	196.5	194.9	202.9	186.4
35°	224.6	221.4	222.5	220.9	218.2	217.2	214.5	205.5	207.6	218.2	199.7
37.5°	235.2	234.1	234.1	229.3	227.8	227.8	227.8	219.8	224.6	243.1	219.8
40°	246.8	244.7	242.1	238.9	242.6	245.2	245.2	237.8	247.9	272.3	243.6
42.5°	255.8	254.8	251.1	250.0	259.0	263.8	265.4	259.0	275.4	310.9	277.0
45°	266.4	263.8	257.9	263.2	276.5	284.4	287.1	286.0	309.9	353.8	314.6
47.5°	274.4	273.8	266.4	276.5	295.0	307.7	314.6	314.1	346.9	406.8	354.9
50°	288.7	285.5	277.0	295.0	315.2	333.2	342.7	349.1	395.7	457.6	389.3
52.5°	302.4	299.8	288.7	315.2	340.0	361.8	376.6	397.8	447.0	501.1	407.8
55°	322.0	320.5	311.4	339.5	373.4	398.3	416.9	450.8	501.1	530.7	424.8
57.5°	346.4	340.0	336.9	371.8	415.8	444.9	468.2	507.4	539.2	556.7	449.2
60°	373.4	366.0	360.2	408.4	469.3	504.8	531.3	557.7	573.1	593.8	486.2
62.5°	402.6	396.2	391.4	442.3	524.9	566.2	584.8	597.5	625.0	656.3	495.8
65°	442.3	433.3	431.2	491.5	591.6	631.9	644.6	671.1	692.8	674.8	444.9
67.5°	475.6	485.7	494.7	565.7	683.8	716.6	742.6	765.4	711.9	569.4	283.9
70°	530.2	532.3	563.6	654.7	783.9	839.5	853.8	770.7	549.8	314.6	107.5
72.5°	513.8	522.3	585.8	698.1	847.5	881.4	843.8	596.9	282.8	99.6	28.1
75°	360.7	371.8	509.0	619.7	766.4	735.2	609.1	305.1	96.4	23.8	11.7
77.5°	178.5	189.1	284.4	398.8	509.5	434.9	303.0	127.1	38.7	12.7	7.9
80°	96.4	100.6	113.9	170.0	225.6	174.3	111.8	75.2	27.0	8.5	5.8
82.5°	52.4	56.7	73.1	66.2	73.6	63.0	55.6	72.6	17.5	6.4	5.3
85°	11.7	12.7	40.8	41.8	38.7	26.0	25.4	69.9	6.9	3.2	3.2
87.5°	0.0	0.0	7.4	15.9	16.9	14.3	17.5	29.7	1.1	1.1	1.1
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: P534567

CATALOG NUMBER: GALN-SA1A-AMB-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	153.1	153.1	153.1	153.1	153.1	153.1	153.1	153.1	153.1	153.1	153.1
2.5°	150.4	148.8	144.1	139.3	134.5	130.8	126.6	123.9	121.8	121.3	120.8
5°	147.2	143.0	135.1	125.0	114.4	104.3	95.3	88.5	84.7	81.6	81.0
7.5°	145.7	141.4	127.1	111.2	92.7	77.3	63.0	51.9	44.0	41.8	40.3
10°	146.2	139.3	119.7	95.9	71.0	48.7	34.4	27.5	24.9	24.4	24.4
12.5°	145.1	137.2	111.2	80.0	48.7	29.1	23.8	22.8	22.8	22.8	22.8
15°	146.2	135.6	103.3	63.0	31.8	22.8	22.2	21.7	21.7	21.7	22.2
17.5°	148.8	136.1	94.8	47.1	23.3	21.7	21.2	21.2	21.2	21.2	21.2
20°	150.4	135.6	84.7	33.4	21.7	20.7	20.7	20.1	20.1	20.1	20.7
22.5°	151.5	134.0	73.1	24.4	20.7	20.1	19.6	19.6	19.6	19.6	19.6
25°	154.1	132.4	60.4	21.2	19.6	19.1	19.1	19.1	18.5	18.5	18.5
27.5°	156.8	132.4	47.1	20.1	19.1	18.5	18.0	18.0	18.0	18.0	17.5
30°	160.0	130.3	36.0	19.1	18.0	17.5	16.9	16.9	16.9	16.9	16.9
32.5°	164.2	129.2	26.0	18.0	16.9	15.9	15.9	15.9	15.9	15.9	15.9
35°	171.6	128.2	20.7	16.9	15.4	14.8	14.8	14.8	14.3	14.3	14.3
37.5°	183.8	129.2	18.0	15.4	14.3	13.8	13.2	13.2	13.2	12.7	12.7
40°	201.8	132.4	16.9	14.3	13.2	12.7	12.2	12.2	11.7	11.1	11.1
42.5°	221.9	134.5	15.9	13.2	12.2	11.7	11.1	11.1	10.1	9.5	9.5
45°	246.8	135.1	14.8	12.7	11.1	10.6	10.1	9.5	8.5	7.9	7.9
47.5°	276.0	135.1	13.2	11.1	10.6	9.5	9.5	7.9	6.9	6.4	6.4
50°	298.2	130.3	12.2	10.6	9.5	9.0	7.9	6.9	5.3	5.3	4.8
52.5°	308.8	118.6	11.7	9.5	8.5	7.9	6.9	5.3	4.2	3.7	3.7
55°	317.8	105.9	10.6	9.0	7.9	6.9	5.8	4.2	3.2	2.6	2.6
57.5°	330.5	88.5	10.1	7.9	6.9	5.8	4.8	3.2	2.1	1.6	1.6
60°	344.8	67.8	9.0	6.9	6.4	4.8	3.7	2.1	1.1	1.1	1.1
62.5°	328.9	40.8	7.9	6.4	5.3	4.2	2.6	1.6	0.5	0.5	0.5
65°	261.1	22.8	6.9	5.3	4.8	3.7	2.1	1.1	0.0	0.0	0.0
67.5°	146.2	13.8	5.8	4.8	4.2	2.6	1.6	0.5	0.0	0.0	0.0
70°	45.0	9.5	4.8	4.2	3.7	2.6	1.1	0.5	0.0	0.0	0.0
72.5°	12.2	6.9	3.7	3.2	3.2	2.1	1.1	0.5	0.0	0.0	0.0
75°	7.9	4.8	3.2	2.6	2.6	2.1	1.1	0.5	0.0	0.0	0.0
77.5°	5.8	4.2	2.6	2.1	2.1	2.1	1.1	0.5	0.0	0.0	0.0
80°	5.3	3.2	2.1	1.6	2.1	2.6	1.1	0.5	0.0	0.0	0.0
82.5°	5.3	3.2	1.6	1.6	2.1	2.6	1.1	0.5	0.0	0.0	0.0
85°	3.2	1.1	0.5	0.5	1.1	1.1	0.5	0.5	0.0	0.0	0.0
87.5°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)