

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: P534571

Luminaire Tested: **GALN-SA2A-AMB-U-SL2-HSS**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534571
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-067-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/10/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA2A-AMB-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1843 lumens
Efficiency: N/A
Efficacy: 44.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

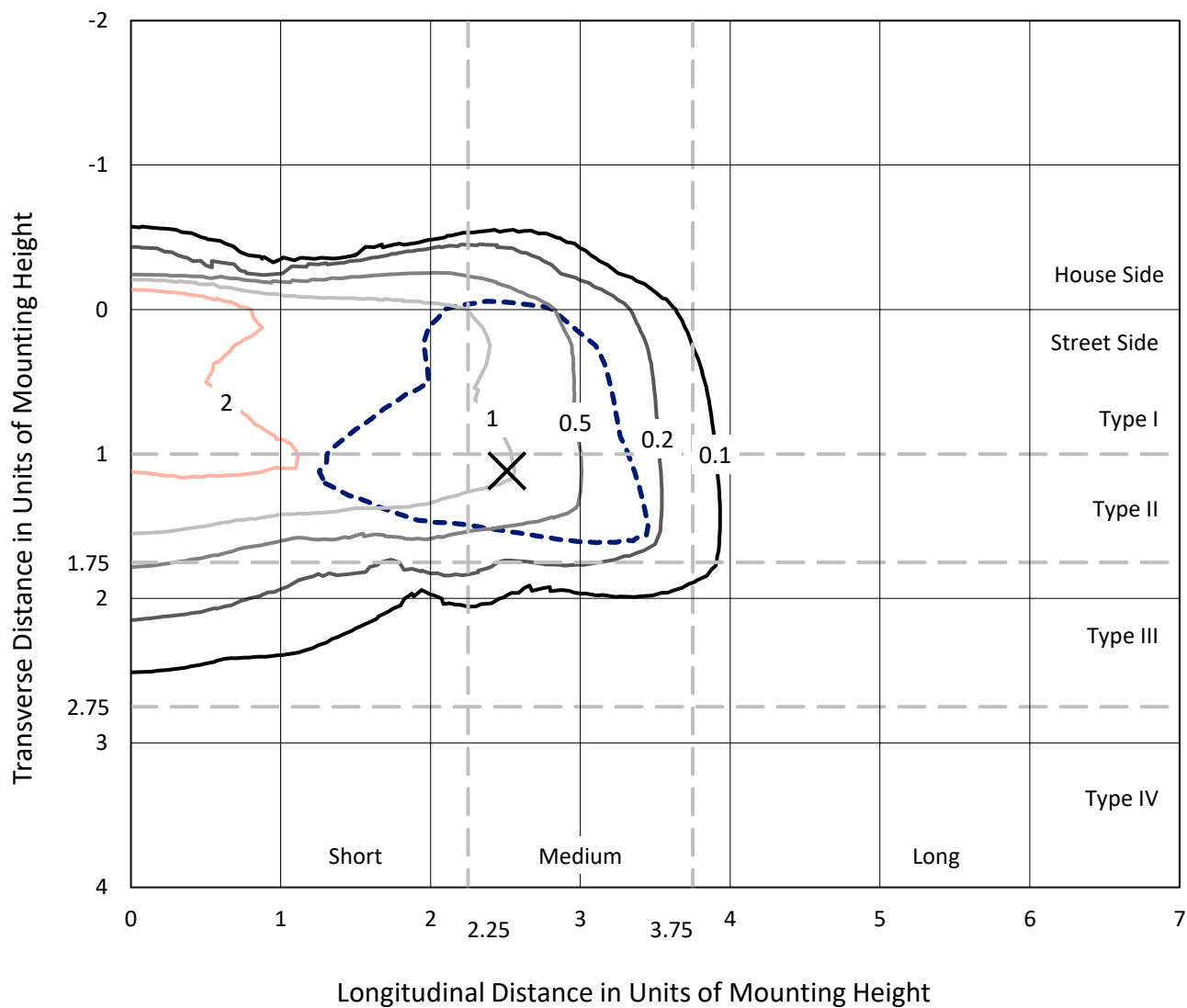
Input Watts (W): 41.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P534571
 CATALOG NUMBER: GALN-SA2A-AMB-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

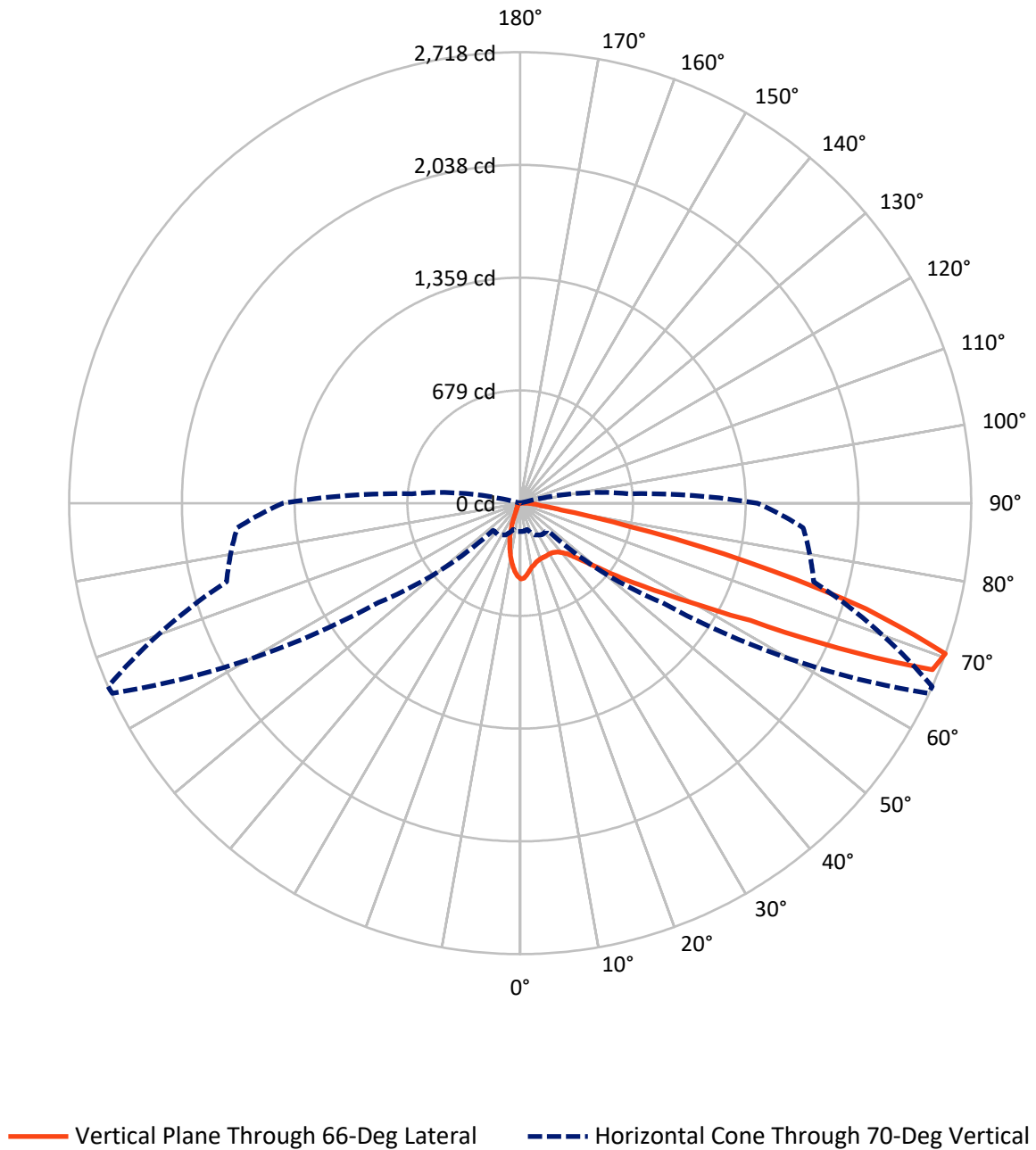
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P534571
CATALOG NUMBER: GALN-SA2A-AMB-U-SL2-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P534571

CATALOG NUMBER: GALN-SA2A-AMB-U-SL2-HSS

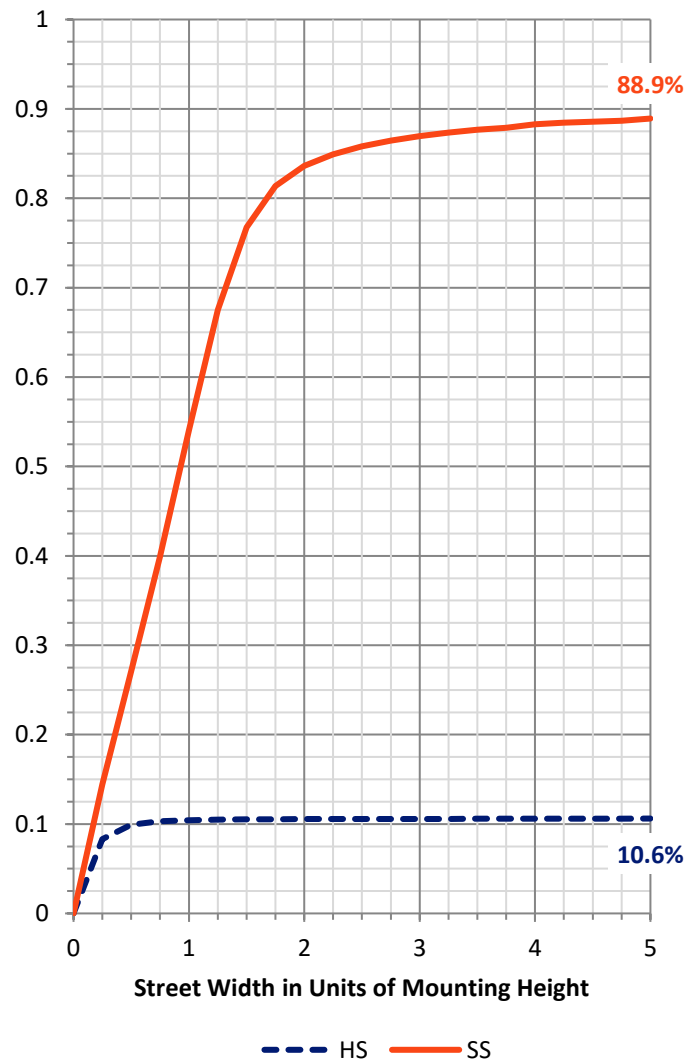
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	197.5	0.0	197.5
	% Fixture	10.7	0.0	10.7
Street Side	Lumens	1645.5	0.0	1645.5
	% Fixture	89.3	0.0	89.3
Total	Lumens	1843.0	0.0	1843.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.8	1.9
10°-20°	71.5	3.9
20°-30°	102.1	5.5
30°-40°	148.9	8.1
40°-50°	242.1	13.1
50°-60°	417.6	22.7
60°-70°	532.2	28.9
70°-80°	266.3	14.4
80°-90°	27.4	1.5
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°	1843.0	100.0
0°-180°	1843.0	100.0

Coefficient of Utilization



REPORT NUMBER: P534571

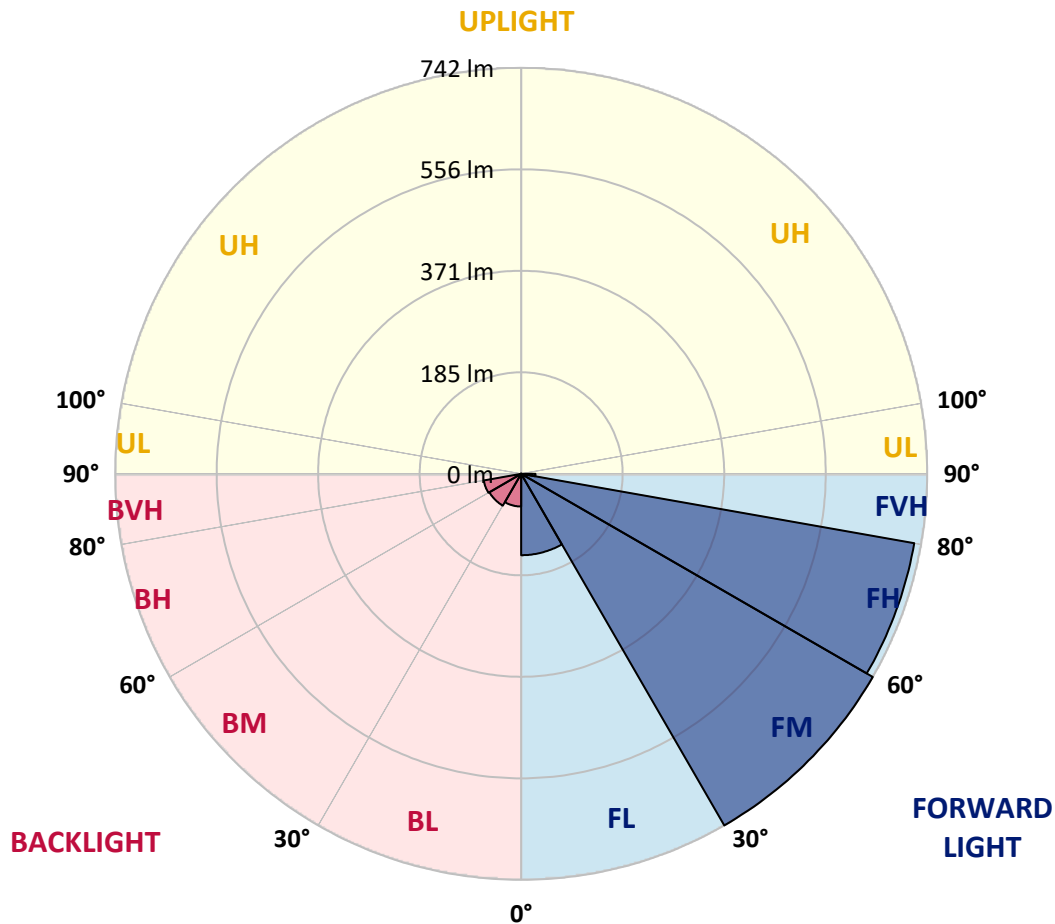
CATALOG NUMBER: GALN-SA2A-AMB-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	148.7	8.1			
FM	(30°-60°)	741.6	40.2			
FH	(60°-80°)	729.1	39.6			G1/1800
FVH	(80°-90°)	26.1	1.4			G1/100
BL	(0°-30°)	59.7	3.2	B0/110		
BM	(30°-60°)	67.1	3.6	B0/220		
BH	(60°-80°)	69.4	3.8	B0/110		G0/110
BVH	(80°-90°)	1.3	0.1			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 II Medium



REPORT NUMBER: P534571

CATALOG NUMBER: GALN-SA2A-AMB-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	457.1	457.1	457.1	457.1	457.1	457.1	457.1	457.1	457.1	457.1	457.1
2.5°	427.1	431.1	427.1	432.1	433.1	438.1	446.1	451.1	452.1	456.1	457.1
5°	394.1	394.1	396.1	400.1	405.1	411.1	418.1	425.1	433.1	443.1	452.1
7.5°	368.1	364.1	365.1	368.1	377.1	385.1	395.1	407.1	409.1	427.1	444.1
10°	340.1	339.1	341.1	348.1	354.1	361.1	373.1	388.1	390.1	410.1	440.1
12.5°	319.1	318.1	321.1	323.1	333.1	343.1	357.1	375.1	380.1	400.1	438.1
15°	303.1	303.1	305.1	310.1	318.1	330.1	344.1	365.1	367.1	393.1	442.1
17.5°	299.1	296.1	296.1	299.1	306.1	318.1	333.1	359.1	361.1	393.1	447.1
20°	300.1	298.1	296.1	294.1	300.1	314.1	328.1	353.1	356.1	393.1	456.1
22.5°	306.1	305.1	302.1	299.1	300.1	309.1	326.1	350.1	355.1	392.1	463.1
25°	322.1	320.1	317.1	309.1	304.1	309.1	326.1	350.1	355.1	391.1	469.1
27.5°	340.1	337.1	337.1	330.1	316.1	313.1	327.1	351.1	353.1	391.1	476.1
30°	369.1	366.1	363.1	355.1	339.1	325.1	333.1	353.1	353.1	392.1	478.1
32.5°	402.1	402.1	398.1	391.1	367.1	340.1	339.1	354.1	355.1	388.1	478.1
35°	441.1	441.1	444.1	436.1	405.1	364.1	353.1	361.1	363.1	392.1	474.1
37.5°	474.1	474.1	481.1	487.1	452.1	397.1	373.1	374.1	373.1	399.1	477.1
40°	512.1	513.1	524.1	536.1	514.1	440.1	403.1	393.1	392.1	408.1	487.1
42.5°	554.1	556.1	575.1	593.1	575.1	498.1	445.1	420.1	417.1	433.1	507.1
45°	590.1	597.1	626.1	654.1	651.1	570.1	499.1	466.1	464.1	472.1	539.1
47.5°	657.1	659.1	689.1	727.2	735.2	661.1	568.1	531.1	527.1	527.1	591.1
50°	727.2	734.2	759.2	815.2	854.2	765.2	656.1	616.1	613.1	602.1	666.1
52.5°	762.2	767.2	800.2	860.2	972.2	923.2	763.2	735.2	727.2	713.2	759.2
55°	732.2	735.2	762.2	850.2	1020.2	1147.2	925.2	863.2	864.2	835.2	901.2
57.5°	609.1	612.1	635.1	732.2	988.2	1297.3	1164.2	1047.2	1030.2	964.2	1028.2
60°	455.1	452.1	446.1	517.1	794.2	1321.3	1549.3	1274.3	1255.3	1082.2	1170.2
62.5°	341.1	337.1	329.1	345.1	471.1	1163.2	1796.4	1591.3	1556.3	1220.3	1335.3
65°	265.1	260.1	261.1	269.1	294.1	751.2	1877.4	2194.5	2103.4	1436.3	1541.3
67.5°	210.0	208.0	204.0	240.1	237.1	365.1	1657.4	2686.6	2679.6	1729.4	1805.4
70°	170.0	171.0	165.0	212.0	231.0	231.0	1045.2	2711.6	2717.6	1831.4	1711.4
72.5°	123.0	122.0	125.0	174.0	229.0	220.0	458.1	2166.5	2180.5	1611.3	1335.3
75°	67.0	70.0	82.0	126.0	228.0	215.0	225.0	1401.3	1416.3	986.2	650.1
77.5°	34.0	35.0	44.0	77.0	184.0	209.0	196.0	667.1	657.1	379.1	172.0
80°	16.0	16.0	21.0	46.0	120.0	212.0	180.0	263.1	253.1	77.0	40.0
82.5°	6.0	6.0	10.0	27.0	67.0	178.0	161.0	139.0	129.0	24.0	25.0
85°	1.0	1.0	5.0	15.0	30.0	86.0	133.0	110.0	98.0	11.0	14.0
87.5°	0.0	0.0	2.0	4.0	9.0	41.0	67.0	66.0	57.0	5.0	7.0
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: P534571

CATALOG NUMBER: GALN-SA2A-AMB-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	457.1	457.1	457.1	457.1	457.1	457.1	457.1	457.1	457.1	457.1	457.1
2.5°	453.1	450.1	443.1	439.1	429.1	421.1	414.1	403.1	396.1	399.1	401.1
5°	450.1	444.1	430.1	409.1	388.1	364.1	345.1	323.1	317.1	311.1	316.1
7.5°	444.1	434.1	407.1	372.1	332.1	299.1	265.1	238.1	220.0	207.0	205.0
10°	439.1	425.1	380.1	332.1	274.1	223.0	172.0	136.0	110.0	100.0	96.0
12.5°	434.1	417.1	356.1	286.1	212.0	140.0	87.0	60.0	50.0	49.0	48.0
15°	437.1	412.1	332.1	242.1	149.0	76.0	48.0	43.0	43.0	43.0	42.0
17.5°	441.1	404.1	310.1	199.0	87.0	45.0	41.0	39.0	38.0	38.0	38.0
20°	444.1	396.1	283.1	149.0	50.0	39.0	37.0	35.0	33.0	33.0	33.0
22.5°	441.1	391.1	252.1	100.0	39.0	34.0	32.0	30.0	29.0	28.0	27.0
25°	443.1	382.1	222.0	62.0	35.0	31.0	28.0	25.0	23.0	22.0	22.0
27.5°	440.1	373.1	189.0	42.0	31.0	27.0	23.0	21.0	18.0	17.0	17.0
30°	436.1	364.1	155.0	34.0	28.0	24.0	20.0	17.0	15.0	14.0	14.0
32.5°	432.1	349.1	120.0	31.0	26.0	21.0	17.0	14.0	13.0	12.0	12.0
35°	422.1	333.1	87.0	29.0	23.0	18.0	14.0	12.0	11.0	10.0	10.0
37.5°	418.1	322.1	60.0	26.0	21.0	16.0	12.0	10.0	9.0	9.0	9.0
40°	420.1	305.1	42.0	24.0	18.0	14.0	11.0	9.0	8.0	7.0	7.0
42.5°	426.1	300.1	34.0	23.0	16.0	12.0	9.0	7.0	6.0	6.0	6.0
45°	446.1	301.1	31.0	21.0	14.0	10.0	8.0	6.0	5.0	5.0	5.0
47.5°	482.1	309.1	29.0	19.0	12.0	9.0	7.0	5.0	4.0	4.0	4.0
50°	534.1	329.1	28.0	17.0	11.0	8.0	6.0	4.0	3.0	3.0	3.0
52.5°	616.1	364.1	26.0	15.0	9.0	7.0	4.0	3.0	3.0	2.0	2.0
55°	726.2	414.1	24.0	13.0	8.0	5.0	4.0	3.0	2.0	2.0	2.0
57.5°	847.2	473.1	21.0	11.0	7.0	5.0	3.0	2.0	2.0	1.0	1.0
60°	989.2	562.1	18.0	9.0	6.0	4.0	3.0	2.0	1.0	1.0	1.0
62.5°	1166.2	673.1	15.0	8.0	5.0	3.0	2.0	1.0	1.0	1.0	1.0
65°	1415.3	803.2	12.0	6.0	4.0	2.0	2.0	1.0	1.0	0.0	0.0
67.5°	1582.3	819.2	11.0	6.0	3.0	2.0	2.0	1.0	0.0	0.0	0.0
70°	1430.3	655.1	9.0	5.0	3.0	2.0	2.0	1.0	0.0	0.0	0.0
72.5°	1018.2	377.1	8.0	4.0	3.0	2.0	2.0	1.0	1.0	0.0	0.0
75°	449.1	106.0	8.0	4.0	3.0	3.0	3.0	2.0	1.0	0.0	0.0
77.5°	108.0	33.0	7.0	4.0	4.0	4.0	4.0	2.0	1.0	0.0	0.0
80°	27.0	12.0	6.0	4.0	4.0	4.0	4.0	2.0	1.0	1.0	1.0
82.5°	20.0	9.0	6.0	5.0	4.0	3.0	3.0	2.0	1.0	1.0	1.0
85°	12.0	4.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0
87.5°	7.0	2.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0
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)