

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: P534573

Luminaire Tested: **GALN-SA2A-AMB-U-SL3-HSS**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534573
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-067-7)
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-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1846 lumens
Efficiency: N/A
Efficacy: 44.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
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

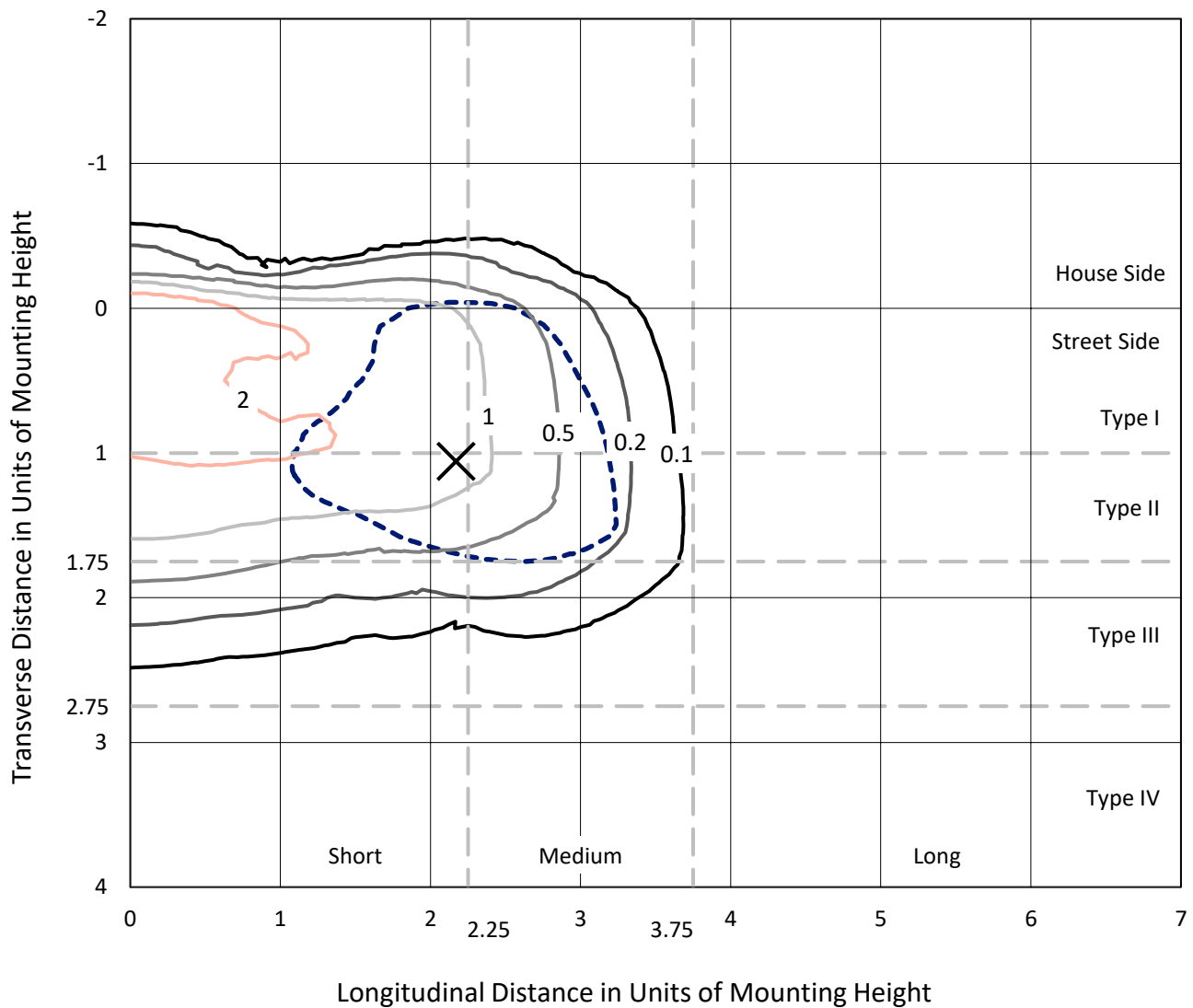


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Iso-Footcandle Lines of Horizontal Illumination

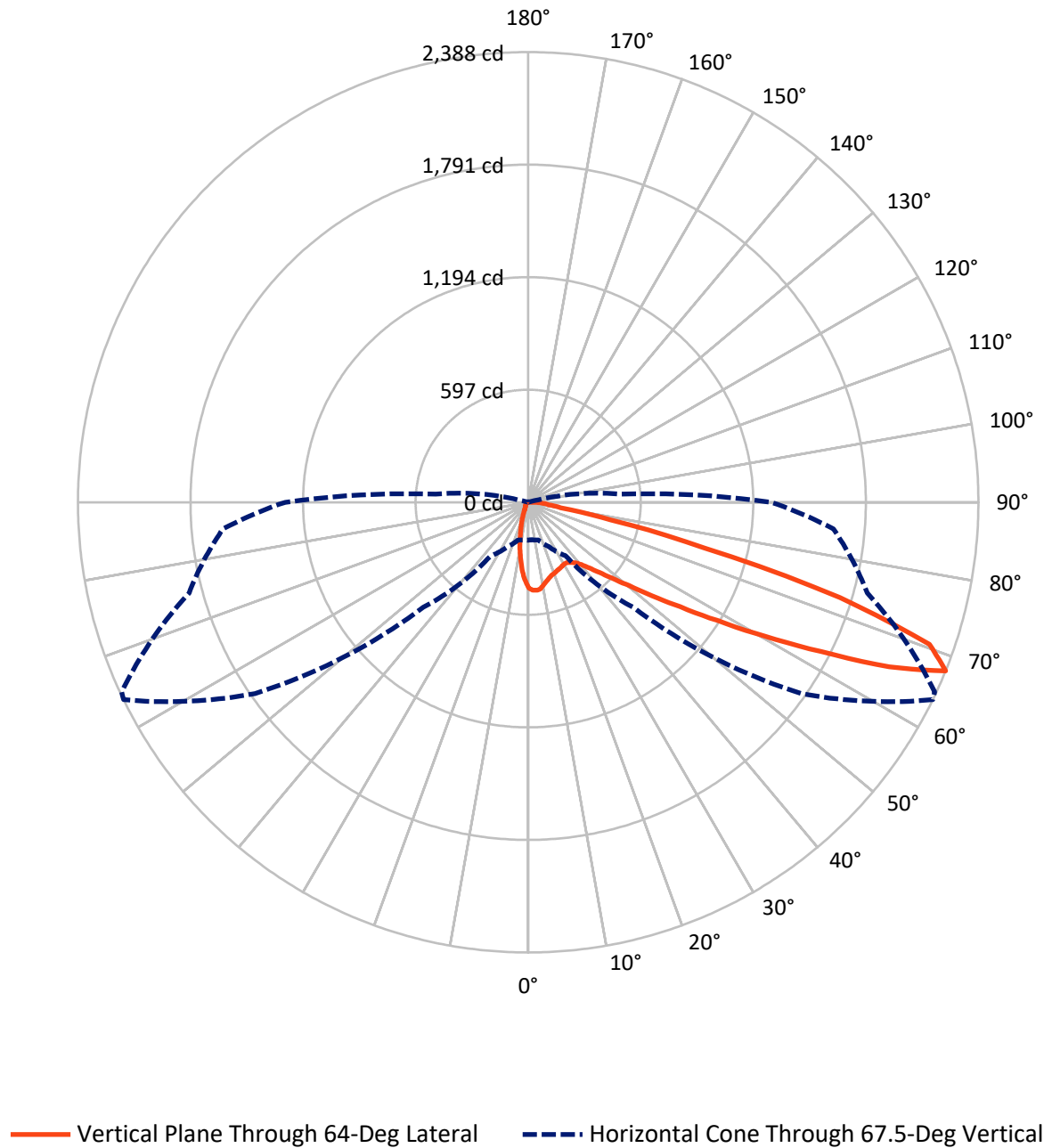
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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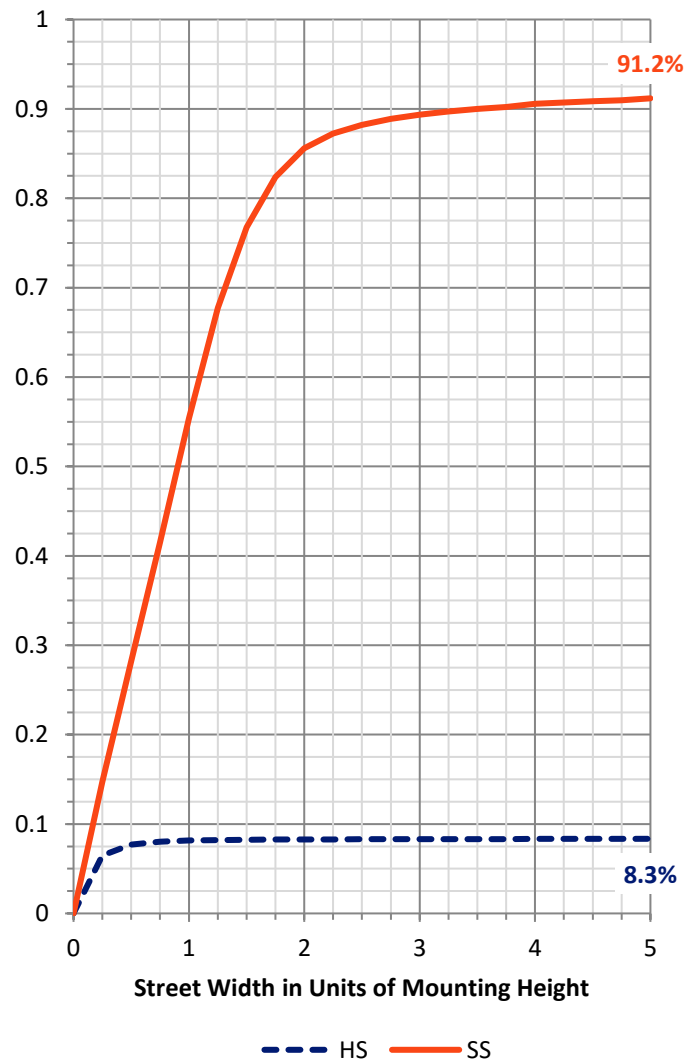
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	155.5	0.0	155.5
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	1690.5	0.0	1690.5
	% Fixture	91.6	0.0	91.6
Total	Lumens	1846.0	0.0	1846.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.9	1.9
10°-20°	72.3	3.9
20°-30°	101.6	5.5
30°-40°	148.6	8.0
40°-50°	246.4	13.3
50°-60°	431.5	23.4
60°-70°	556.7	30.2
70°-80°	229.0	12.4
80°-90°	25.0	1.4
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°	1846.0	100.0
0°-180°	1846.0	100.0

Coefficient of Utilization



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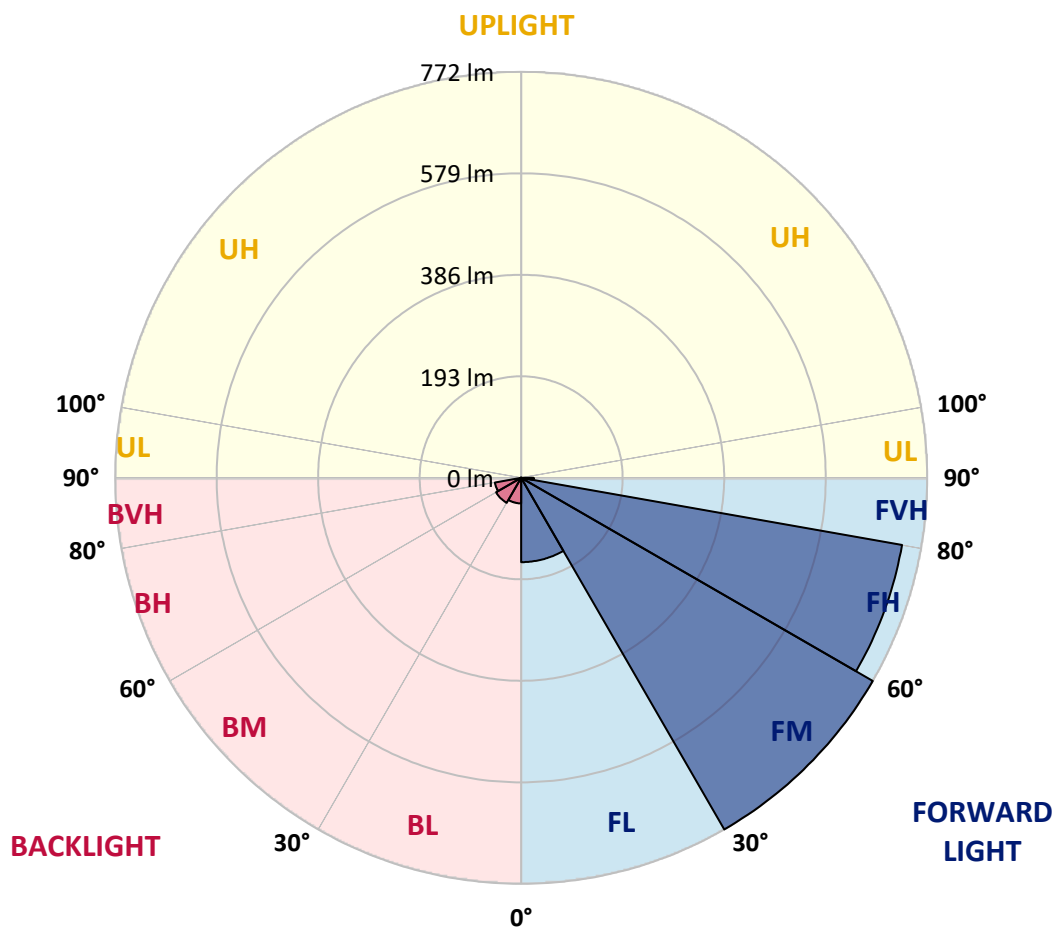
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	160.3	8.7			
FM	(30°-60°)	771.5	41.8			
FH	(60°-80°)	734.9	39.8			G1/1800
FVH	(80°-90°)	23.9	1.3			G1/100
BL	(0°-30°)	48.6	2.6	B0/110		
BM	(30°-60°)	55.0	3.0	B0/220		
BH	(60°-80°)	50.7	2.7	B0/110		G0/110
BVH	(80°-90°)	1.2	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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	454.9	454.9	454.9	454.9	454.9	454.9	454.9	454.9	454.9	454.9	454.9
2.5°	482.9	487.9	484.9	482.9	481.9	476.9	474.9	466.9	468.9	460.9	454.9
5°	468.9	469.9	471.9	473.9	480.9	478.9	474.9	468.9	467.9	458.9	444.9
7.5°	433.9	434.9	437.9	445.9	448.9	451.9	461.9	463.9	463.9	447.9	429.9
10°	399.9	397.9	401.9	405.9	416.9	429.9	436.9	445.9	446.9	439.9	420.9
12.5°	367.9	365.9	371.9	377.9	390.9	403.9	416.9	430.9	433.9	435.9	411.9
15°	342.9	344.9	347.9	354.9	367.9	384.9	401.9	416.9	417.9	430.9	406.9
17.5°	326.9	326.9	329.9	336.9	349.9	366.9	385.9	405.9	408.9	428.9	404.9
20°	325.9	323.9	322.9	325.9	335.9	348.9	374.9	400.9	402.9	426.9	407.9
22.5°	330.9	327.9	325.9	323.9	327.9	338.9	364.9	392.9	397.9	426.9	408.9
25°	339.9	338.9	336.9	331.9	327.9	333.9	354.9	388.9	393.9	427.9	412.9
27.5°	356.9	354.9	352.9	344.9	335.9	331.9	347.9	382.9	388.9	431.9	418.9
30°	378.9	378.9	377.9	369.9	352.9	337.9	348.9	378.9	383.9	435.9	423.9
32.5°	408.9	408.9	407.9	401.9	379.9	354.9	353.9	380.9	386.9	443.9	429.9
35°	441.9	438.9	439.9	437.9	414.9	378.9	368.9	391.9	393.9	455.9	436.9
37.5°	464.9	470.9	476.9	479.9	459.9	413.9	394.9	406.9	409.9	475.9	448.9
40°	506.9	508.9	516.9	525.9	513.9	458.9	432.9	433.9	436.9	496.9	470.9
42.5°	542.9	541.9	559.9	573.9	567.9	517.9	480.9	475.9	477.9	537.9	503.9
45°	576.9	581.9	607.9	639.9	639.9	587.9	542.9	530.9	529.9	598.9	556.9
47.5°	614.9	624.9	659.9	710.8	733.8	673.9	618.9	603.9	596.9	674.9	636.9
50°	654.9	663.9	701.8	763.8	836.8	801.8	712.8	694.9	700.8	766.8	725.8
52.5°	691.9	694.9	726.8	787.8	897.8	973.8	848.8	823.8	818.8	879.8	834.8
55°	701.8	706.8	734.8	788.8	929.8	1102.8	1134.8	978.8	969.8	983.8	942.8
57.5°	684.9	691.9	718.8	763.8	933.8	1194.7	1367.7	1182.7	1168.7	1085.8	1074.8
60°	591.9	601.9	625.9	684.9	864.8	1246.7	1542.7	1439.7	1411.7	1213.7	1263.7
62.5°	469.9	462.9	508.9	583.9	719.8	1178.7	1704.6	1742.6	1724.6	1417.7	1500.7
65°	287.9	288.9	301.9	388.9	577.9	969.8	1836.6	2104.5	2105.5	1713.6	1663.6
67.5°	201.0	199.0	207.0	258.9	346.9	787.8	1768.6	2387.5	2378.5	1861.6	1624.7
70°	156.0	153.0	152.0	190.0	243.9	479.9	1465.7	2257.5	2246.5	1747.6	1338.7
72.5°	113.0	110.0	115.0	153.0	212.0	283.9	1043.8	1729.6	1713.6	1271.7	814.8
75°	71.0	72.0	82.0	115.0	199.0	202.0	612.9	964.8	968.8	610.9	332.9
77.5°	41.0	40.0	50.0	81.0	165.0	187.0	313.9	449.9	421.9	205.0	97.0
80°	18.0	18.0	26.0	57.0	120.0	186.0	192.0	174.0	170.0	49.0	33.0
82.5°	8.0	8.0	12.0	33.0	80.0	149.0	162.0	111.0	100.0	19.0	19.0
85°	1.0	1.0	5.0	17.0	38.0	76.0	137.0	90.0	78.0	9.0	12.0
87.5°	0.0	0.0	2.0	5.0	11.0	40.0	80.0	54.0	47.0	4.0	5.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	454.9	454.9	454.9	454.9	454.9	454.9	454.9	454.9	454.9	454.9	454.9
2.5°	449.9	443.9	432.9	419.9	403.9	395.9	383.9	371.9	367.9	366.9	364.9
5°	439.9	427.9	402.9	374.9	343.9	314.9	290.9	271.9	256.9	251.9	243.9
7.5°	420.9	407.9	366.9	320.9	274.9	230.0	190.0	164.0	149.0	145.0	143.0
10°	406.9	386.9	329.9	266.9	202.0	155.0	117.0	93.0	80.0	74.0	74.0
12.5°	395.9	371.9	294.9	215.0	145.0	97.0	69.0	52.0	47.0	46.0	45.0
15°	388.9	353.9	261.9	165.0	102.0	61.0	45.0	42.0	41.0	40.0	40.0
17.5°	383.9	337.9	229.0	130.0	69.0	43.0	39.0	38.0	37.0	37.0	37.0
20°	380.9	324.9	195.0	99.0	46.0	37.0	35.0	34.0	33.0	33.0	32.0
22.5°	374.9	311.9	166.0	72.0	37.0	33.0	31.0	30.0	28.0	28.0	28.0
25°	373.9	298.9	139.0	50.0	33.0	30.0	27.0	25.0	24.0	23.0	23.0
27.5°	372.9	284.9	119.0	37.0	30.0	26.0	24.0	21.0	19.0	19.0	18.0
30°	366.9	270.9	99.0	32.0	27.0	23.0	20.0	18.0	16.0	15.0	15.0
32.5°	365.9	254.9	80.0	29.0	24.0	20.0	17.0	15.0	13.0	13.0	13.0
35°	362.9	234.9	62.0	26.0	22.0	18.0	15.0	13.0	11.0	11.0	11.0
37.5°	362.9	221.0	46.0	24.0	20.0	15.0	12.0	11.0	9.0	9.0	9.0
40°	369.9	206.0	35.0	22.0	18.0	14.0	11.0	9.0	8.0	8.0	8.0
42.5°	385.9	197.0	28.0	21.0	16.0	12.0	10.0	8.0	7.0	6.0	6.0
45°	418.9	199.0	26.0	19.0	14.0	11.0	8.0	7.0	6.0	5.0	5.0
47.5°	472.9	208.0	24.0	17.0	12.0	9.0	7.0	5.0	4.0	4.0	4.0
50°	532.9	226.0	23.0	15.0	11.0	8.0	6.0	4.0	4.0	3.0	3.0
52.5°	620.9	254.9	21.0	14.0	10.0	7.0	5.0	4.0	3.0	3.0	3.0
55°	727.8	304.9	19.0	13.0	8.0	6.0	4.0	3.0	2.0	2.0	2.0
57.5°	851.8	361.9	17.0	11.0	7.0	5.0	4.0	2.0	2.0	1.0	1.0
60°	1015.8	439.9	15.0	10.0	6.0	4.0	3.0	2.0	1.0	1.0	1.0
62.5°	1236.7	515.9	13.0	8.0	5.0	3.0	2.0	2.0	1.0	1.0	1.0
65°	1340.7	537.9	11.0	7.0	4.0	3.0	2.0	1.0	1.0	0.0	0.0
67.5°	1288.7	491.9	9.0	6.0	4.0	3.0	2.0	1.0	0.0	0.0	0.0
70°	1014.8	369.9	9.0	5.0	4.0	3.0	2.0	1.0	0.0	0.0	0.0
72.5°	582.9	224.0	8.0	5.0	3.0	3.0	2.0	1.0	1.0	0.0	0.0
75°	231.0	72.0	7.0	4.0	3.0	3.0	3.0	2.0	1.0	0.0	0.0
77.5°	62.0	27.0	6.0	4.0	4.0	4.0	4.0	2.0	1.0	0.0	0.0
80°	20.0	10.0	6.0	4.0	4.0	5.0	4.0	2.0	1.0	0.0	0.0
82.5°	15.0	7.0	6.0	4.0	4.0	4.0	4.0	2.0	1.0	0.0	0.0
85°	10.0	3.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	0.0
87.5°	5.0	2.0	1.0	1.0	1.0	1.0	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)