

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: STREETWORKS

Report Number: P459602

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

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459602
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2A-AMB-U-SL2-HSS
Description: GALLEON ROADWAY AND AREA 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: 1817 lumens
Efficiency: N/A
Efficacy: 43.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

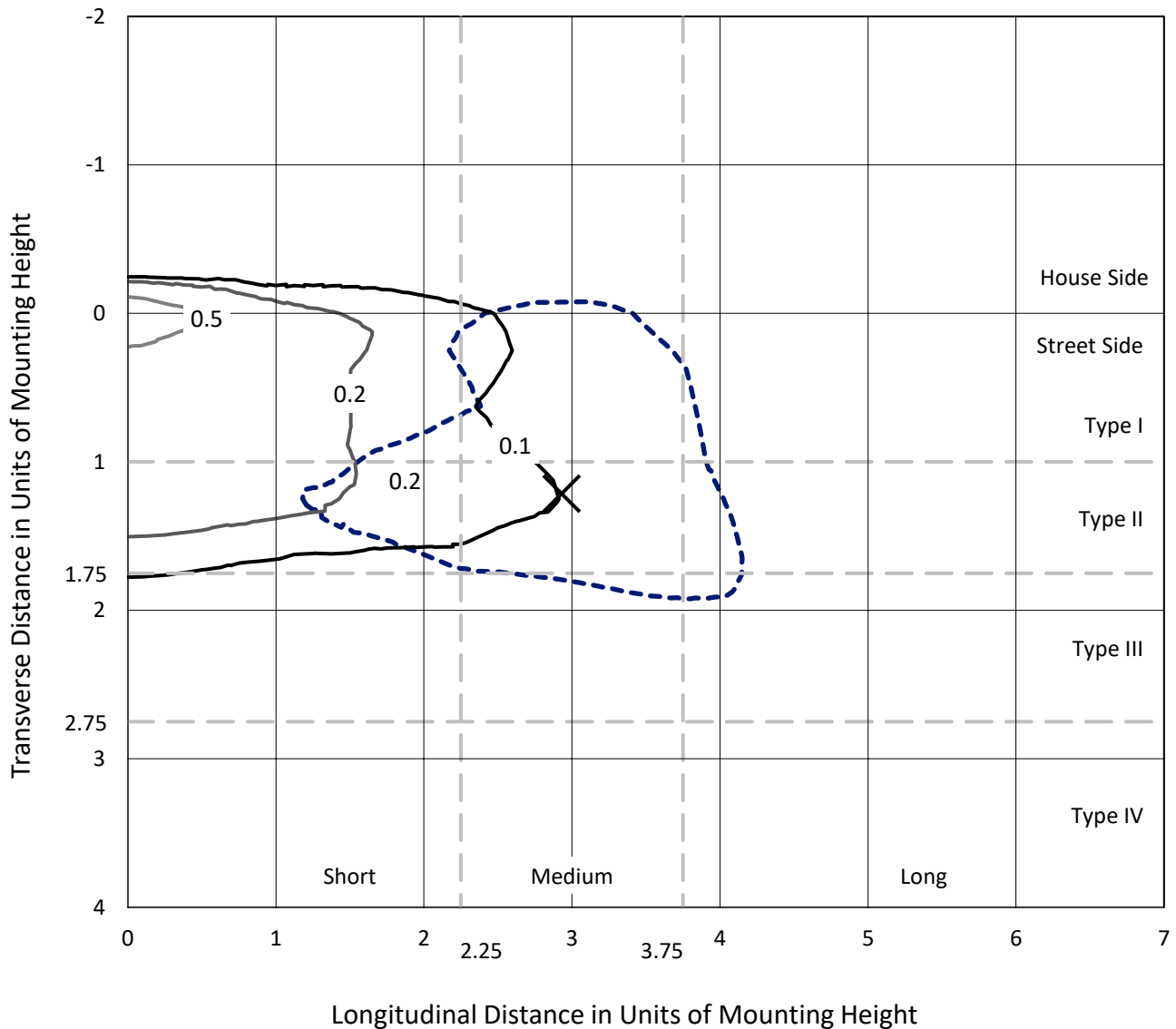
Input Watts (W): 41.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

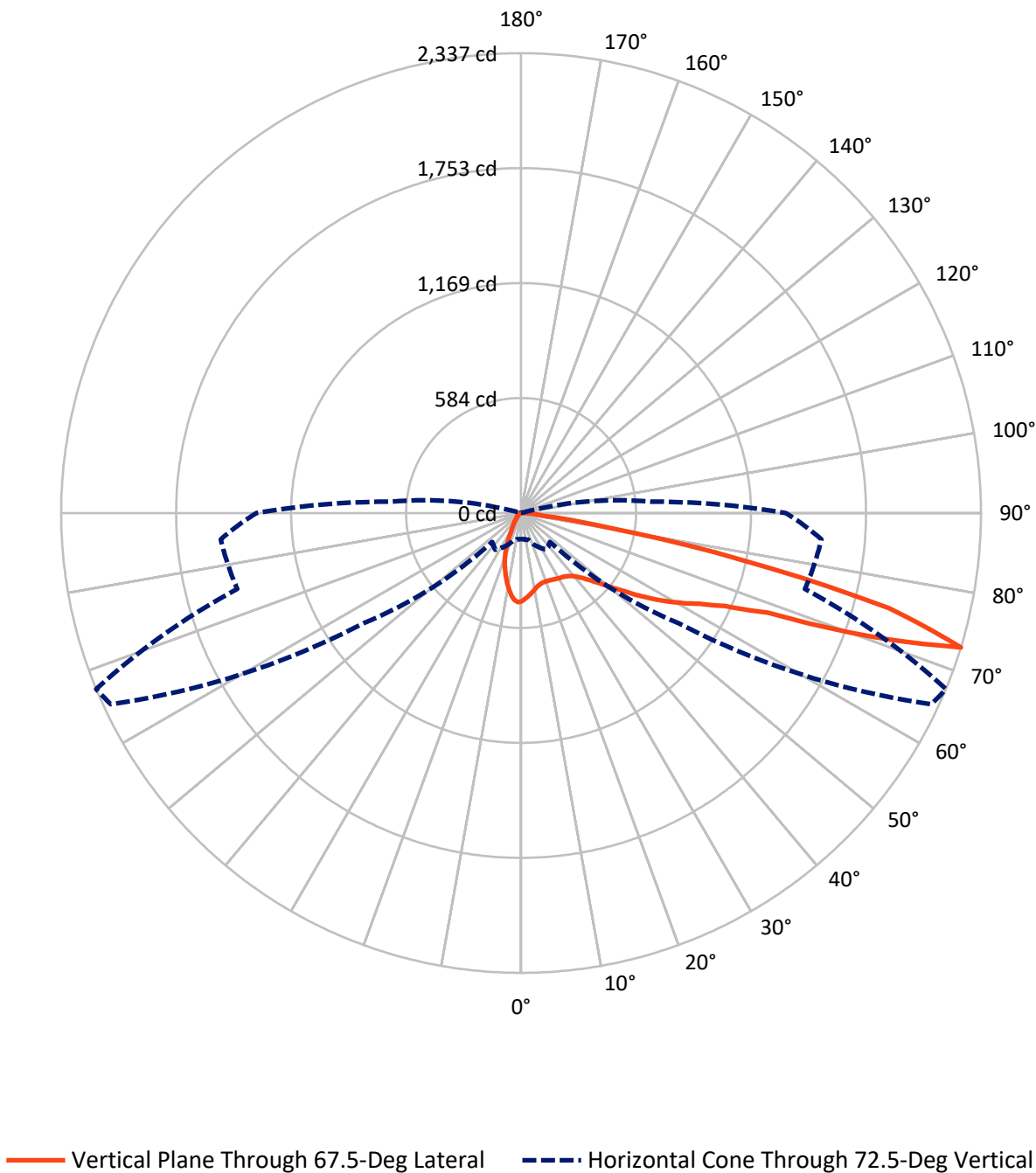
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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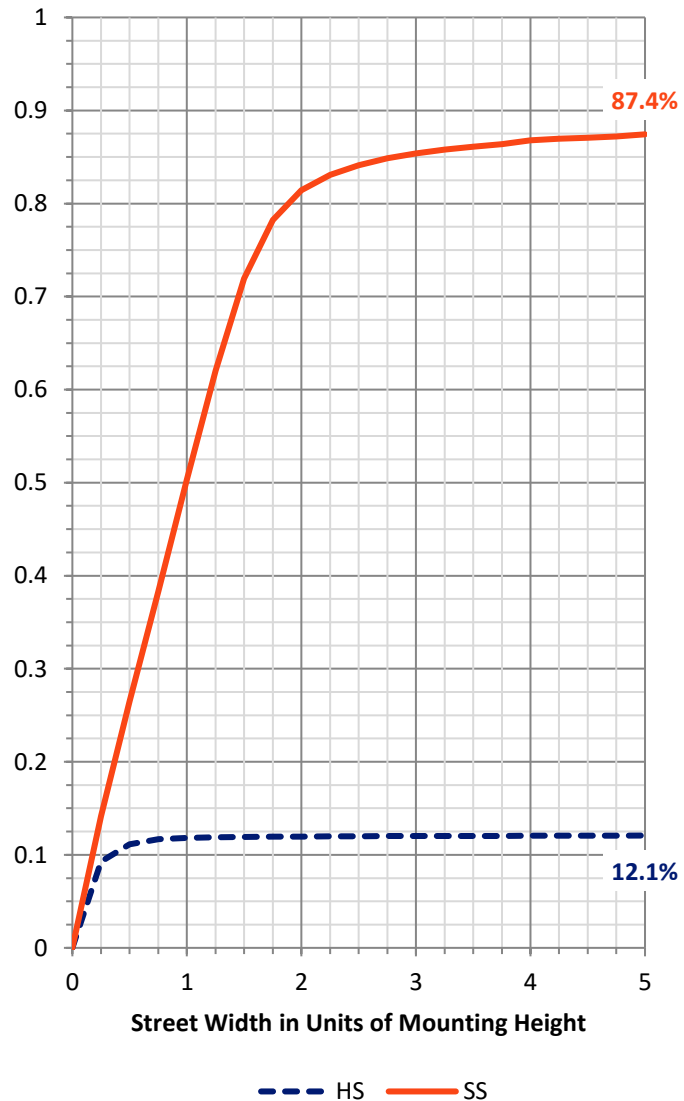
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	221.6	0.0	221.6
	% Fixture	12.2	0.0	12.2
Street Side	Lumens	1595.3	0.0	1595.3
	% Fixture	87.8	0.0	87.8
Total	Lumens	1817.0	0.0	1817.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.1	2.0
10°-20°	78.1	4.3
20°-30°	110.3	6.1
30°-40°	158.1	8.7
40°-50°	238.5	13.1
50°-60°	382.3	21.0
60°-70°	452.0	24.9
70°-80°	330.1	18.2
80°-90°	30.5	1.7
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°	1817.0	100.0
0°-180°	1817.0	100.0

Coefficient of Utilization



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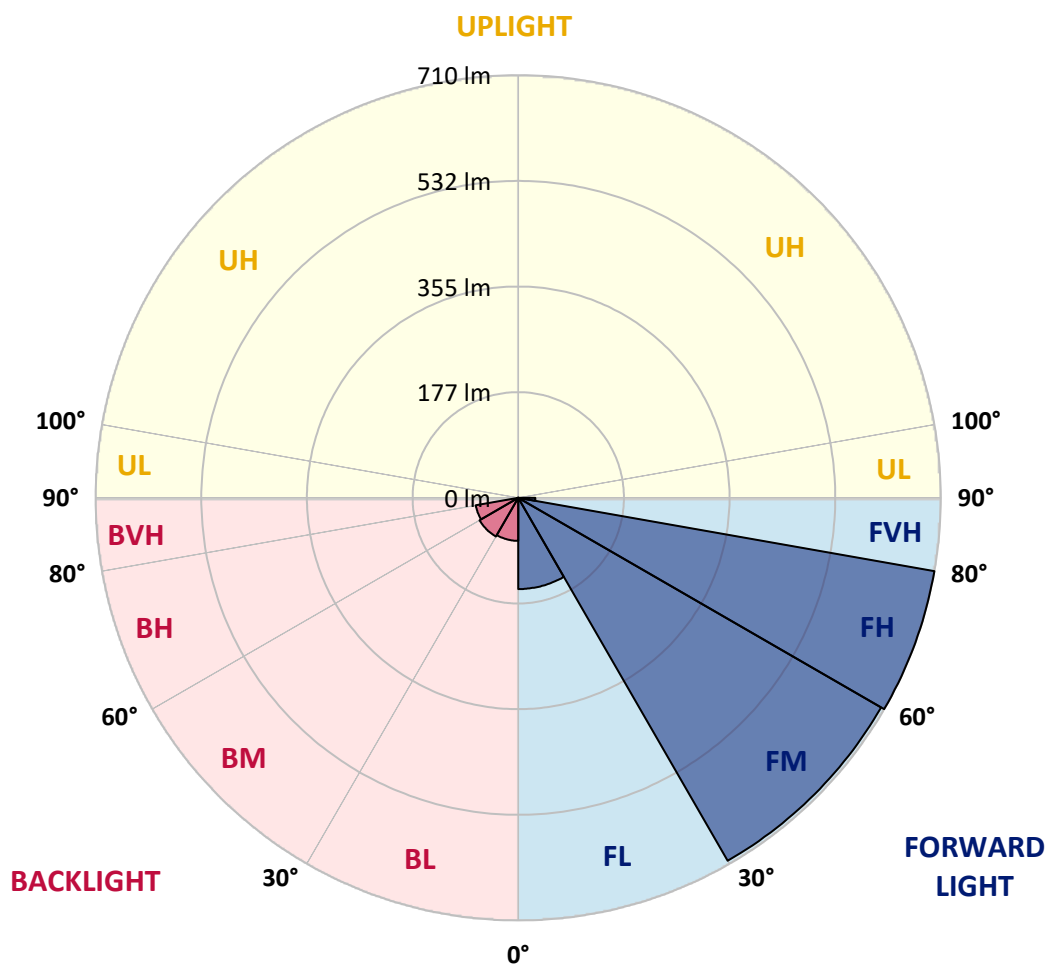
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	153.2	8.4			
FM	(30°-60°)	703.8	38.7			
FH	(60°-80°)	709.7	39.1			G1/1800
FVH	(80°-90°)	28.6	1.6			G1/100
BL	(0°-30°)	72.3	4.0	B0/110		
BM	(30°-60°)	75.1	4.1	B0/220		
BH	(60°-80°)	72.4	4.0	B0/110		G0/110
BVH	(80°-90°)	1.9	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 III Medium



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	449.0	449.0	449.0	449.0	449.0	449.0	449.0	449.0	449.0	449.0	449.0
2.5°	421.0	423.0	423.0	426.0	427.0	428.0	434.0	436.0	435.0	441.0	445.0
5°	393.0	393.0	395.0	400.0	404.0	407.0	414.0	420.0	421.0	428.0	439.0
7.5°	370.0	372.0	372.0	375.0	381.0	386.0	395.0	405.0	407.0	416.0	429.0
10°	352.0	351.0	354.0	357.0	362.0	367.0	377.0	388.0	392.0	402.0	417.0
12.5°	335.0	336.0	337.0	342.0	348.0	353.0	363.0	376.0	380.0	393.0	411.0
15°	325.0	325.0	326.0	329.0	335.0	342.0	354.0	368.0	373.0	388.0	409.0
17.5°	322.0	322.0	321.0	322.0	327.0	334.0	348.0	365.0	370.0	386.0	412.0
20°	323.0	323.0	321.0	320.0	323.0	330.0	346.0	364.0	370.0	389.0	420.0
22.5°	329.0	328.0	326.0	323.0	323.0	330.0	347.0	366.0	372.0	393.0	427.0
25°	344.0	340.0	338.0	332.0	328.0	331.0	348.0	369.0	375.0	396.0	437.0
27.5°	358.0	357.0	357.0	351.0	338.0	335.0	352.0	374.0	379.0	400.0	450.0
30°	382.0	380.0	380.0	373.0	357.0	343.0	356.0	378.0	384.0	403.0	463.0
32.5°	412.0	413.0	411.0	402.0	382.0	358.0	363.0	383.0	388.0	405.0	476.0
35°	445.0	446.0	451.0	441.0	415.0	381.0	374.0	392.0	395.0	409.0	486.0
37.5°	472.0	472.0	485.0	487.0	455.0	409.0	392.0	407.0	406.0	414.0	496.0
40°	502.0	502.0	517.0	529.0	506.0	447.0	415.0	425.0	423.0	425.0	510.0
42.5°	534.0	536.0	552.0	573.0	561.0	496.0	448.0	453.0	449.0	443.0	525.0
45°	565.0	570.0	592.1	620.1	619.1	554.0	491.0	492.0	485.0	473.0	556.0
47.5°	601.1	605.1	636.1	671.1	680.1	620.1	546.0	542.0	533.0	514.0	598.1
50°	662.1	664.1	686.1	727.1	744.1	693.1	608.1	601.1	591.1	567.0	655.1
52.5°	735.1	734.1	744.1	787.1	833.1	778.1	689.1	679.1	663.1	632.1	725.1
55°	767.1	770.1	785.1	837.1	926.1	902.1	780.1	766.1	749.1	709.1	797.1
57.5°	711.1	711.1	741.1	823.1	978.1	1066.1	882.1	860.1	839.1	788.1	879.1
60°	569.0	568.0	604.1	703.1	939.1	1209.1	1024.1	958.1	926.1	858.1	961.1
62.5°	399.0	391.0	407.0	490.0	769.1	1211.1	1289.1	1060.1	1017.1	930.1	1048.1
65°	286.0	281.0	284.0	307.0	441.0	1095.1	1582.1	1215.1	1138.1	1006.1	1153.1
67.5°	234.0	228.0	227.0	255.0	254.0	725.1	1670.1	1521.1	1353.1	1117.1	1272.1
70°	187.0	184.0	183.0	223.0	235.0	236.0	1557.1	2175.2	1877.2	1282.1	1431.1
72.5°	133.0	133.0	141.0	185.0	228.0	207.0	974.1	2300.2	2337.2	1493.1	1532.1
75°	80.0	79.0	99.0	147.0	220.0	200.0	301.0	1898.2	1932.2	1398.1	1185.1
77.5°	38.0	38.0	55.0	99.0	195.0	188.0	172.0	1135.1	1143.1	849.1	601.1
80°	15.0	15.0	24.0	61.0	148.0	186.0	160.0	468.0	451.0	234.0	83.0
82.5°	6.0	6.0	10.0	34.0	92.0	153.0	142.0	155.0	116.0	27.0	22.0
85°	1.0	2.0	4.0	20.0	52.0	81.0	115.0	96.0	61.0	16.0	16.0
87.5°	0.0	1.0	2.0	6.0	15.0	34.0	58.0	44.0	28.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	449.0	449.0	449.0	449.0	449.0	449.0	449.0	449.0	449.0	449.0	449.0
2.5°	446.0	448.0	452.0	454.0	455.0	451.0	451.0	447.0	446.0	446.0	446.0
5°	441.0	445.0	448.0	441.0	430.0	416.0	400.0	390.0	380.0	382.0	378.0
7.5°	435.0	440.0	436.0	413.0	385.0	359.0	331.0	315.0	296.0	294.0	289.0
10°	426.0	431.0	416.0	376.0	333.0	295.0	254.0	229.0	209.0	193.0	189.0
12.5°	424.0	427.0	392.0	337.0	281.0	227.0	174.0	127.0	99.0	85.0	85.0
15°	425.0	425.0	370.0	298.0	225.0	150.0	84.0	61.0	51.0	50.0	49.0
17.5°	430.0	424.0	348.0	260.0	165.0	78.0	50.0	46.0	44.0	44.0	44.0
20°	439.0	424.0	329.0	220.0	104.0	49.0	43.0	41.0	40.0	39.0	39.0
22.5°	448.0	420.0	305.0	174.0	60.0	41.0	38.0	37.0	35.0	34.0	34.0
25°	458.0	416.0	282.0	125.0	42.0	36.0	33.0	31.0	29.0	28.0	28.0
27.5°	467.0	412.0	255.0	79.0	37.0	32.0	29.0	26.0	23.0	22.0	22.0
30°	473.0	405.0	229.0	50.0	33.0	29.0	25.0	21.0	18.0	17.0	17.0
32.5°	474.0	396.0	197.0	37.0	30.0	25.0	20.0	17.0	15.0	14.0	14.0
35°	471.0	385.0	162.0	33.0	27.0	22.0	17.0	14.0	12.0	12.0	12.0
37.5°	467.0	374.0	126.0	30.0	24.0	19.0	14.0	12.0	11.0	10.0	10.0
40°	466.0	363.0	84.0	28.0	22.0	16.0	12.0	10.0	9.0	8.0	8.0
42.5°	469.0	355.0	59.0	26.0	19.0	14.0	11.0	9.0	7.0	7.0	6.0
45°	484.0	353.0	43.0	24.0	17.0	12.0	9.0	7.0	6.0	5.0	5.0
47.5°	509.0	357.0	35.0	22.0	15.0	10.0	8.0	6.0	5.0	4.0	4.0
50°	545.0	372.0	32.0	20.0	12.0	9.0	6.0	5.0	4.0	4.0	4.0
52.5°	601.1	396.0	30.0	18.0	10.0	7.0	5.0	4.0	3.0	3.0	3.0
55°	661.1	424.0	29.0	16.0	9.0	6.0	4.0	3.0	3.0	2.0	2.0
57.5°	730.1	461.0	27.0	14.0	8.0	6.0	4.0	3.0	2.0	2.0	2.0
60°	817.1	511.0	24.0	12.0	7.0	5.0	3.0	2.0	2.0	2.0	2.0
62.5°	907.1	563.0	21.0	10.0	6.0	4.0	3.0	2.0	2.0	2.0	2.0
65°	1017.1	623.1	18.0	8.0	5.0	4.0	3.0	2.0	2.0	1.0	1.0
67.5°	1150.1	684.1	14.0	7.0	5.0	3.0	3.0	2.0	2.0	1.0	1.0
70°	1320.1	762.1	12.0	6.0	4.0	3.0	3.0	2.0	2.0	1.0	1.0
72.5°	1346.1	658.1	10.0	6.0	4.0	3.0	3.0	2.0	2.0	1.0	1.0
75°	920.1	314.0	9.0	5.0	4.0	4.0	3.0	2.0	2.0	1.0	1.0
77.5°	401.0	74.0	8.0	5.0	4.0	4.0	4.0	3.0	2.0	1.0	1.0
80°	47.0	14.0	7.0	5.0	4.0	5.0	4.0	3.0	2.0	1.0	1.0
82.5°	19.0	9.0	7.0	6.0	5.0	4.0	4.0	3.0	2.0	1.0	1.0
85°	14.0	7.0	7.0	7.0	5.0	3.0	3.0	2.0	2.0	1.0	1.0
87.5°	7.0	3.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	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)