

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: P534584

Luminaire Tested: **GLAN-SA3A-AMB-U-SL4**

Issue Date: 6/10/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534584  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-067-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/10/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3A-AMB-U-SL4  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) NARROW BAND AMBER, 500mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3161 lumens  
Efficiency: N/A  
Efficacy: 52.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B0 - U0 - G2

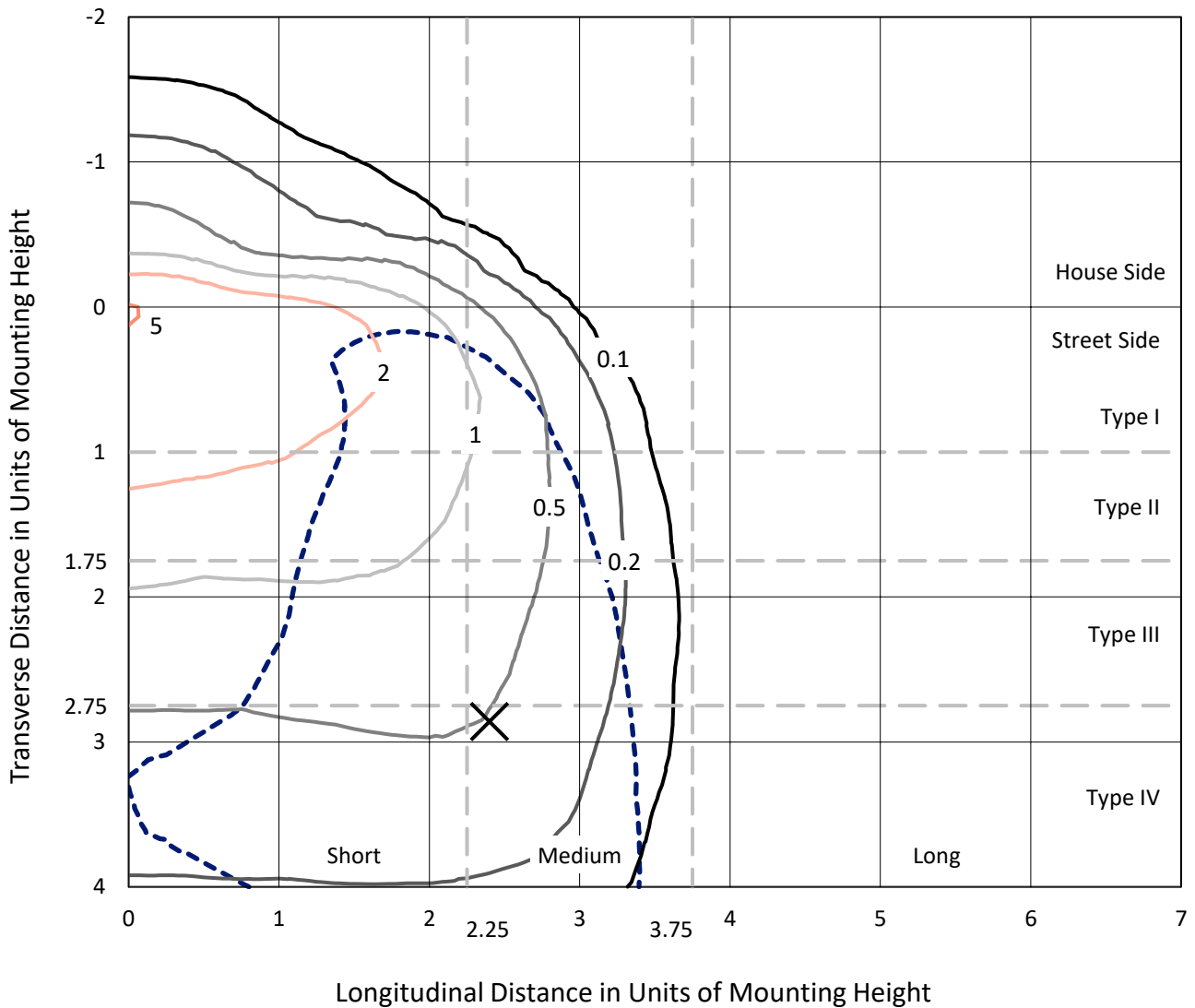
Input Watts (W): 59.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

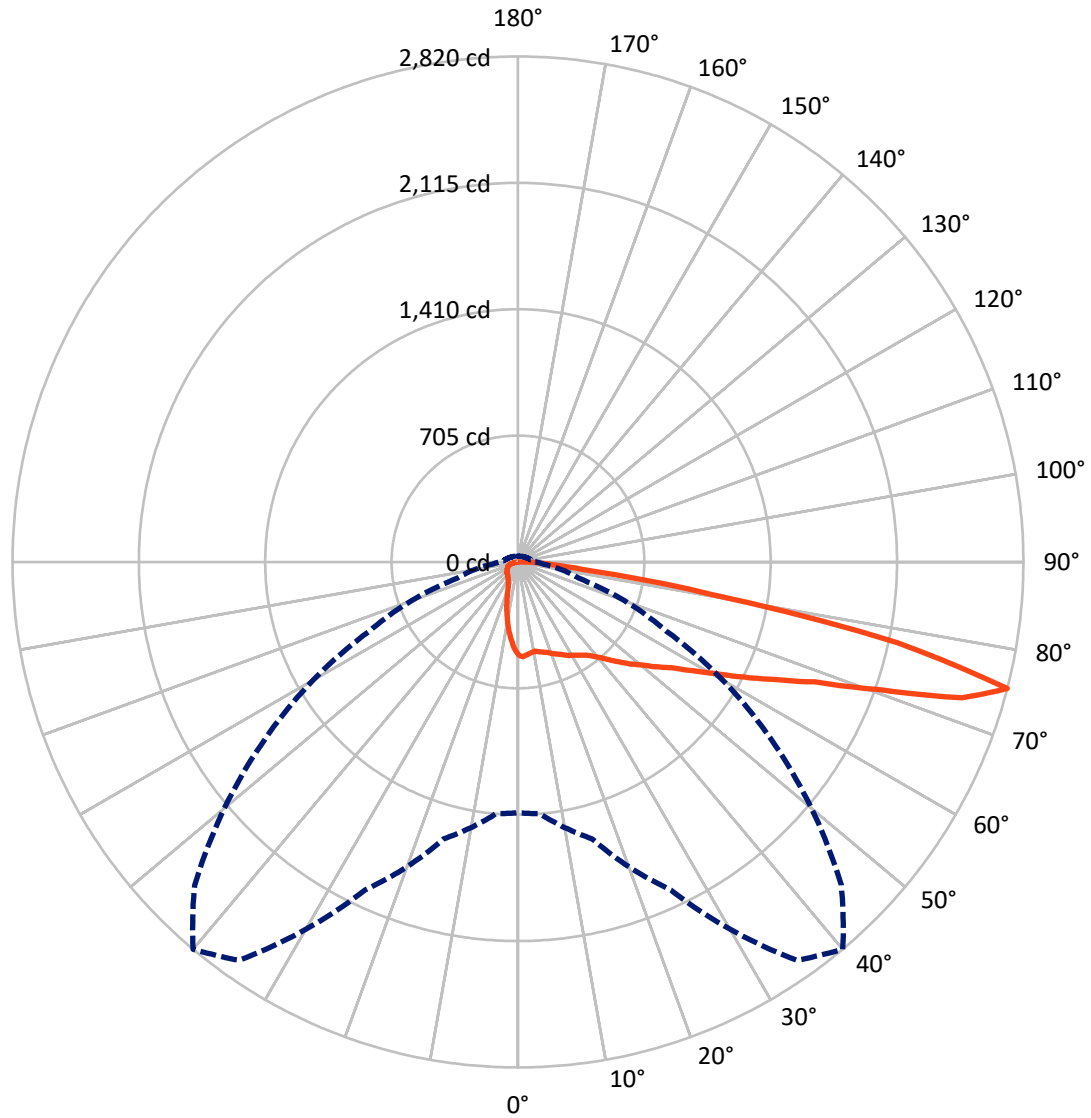
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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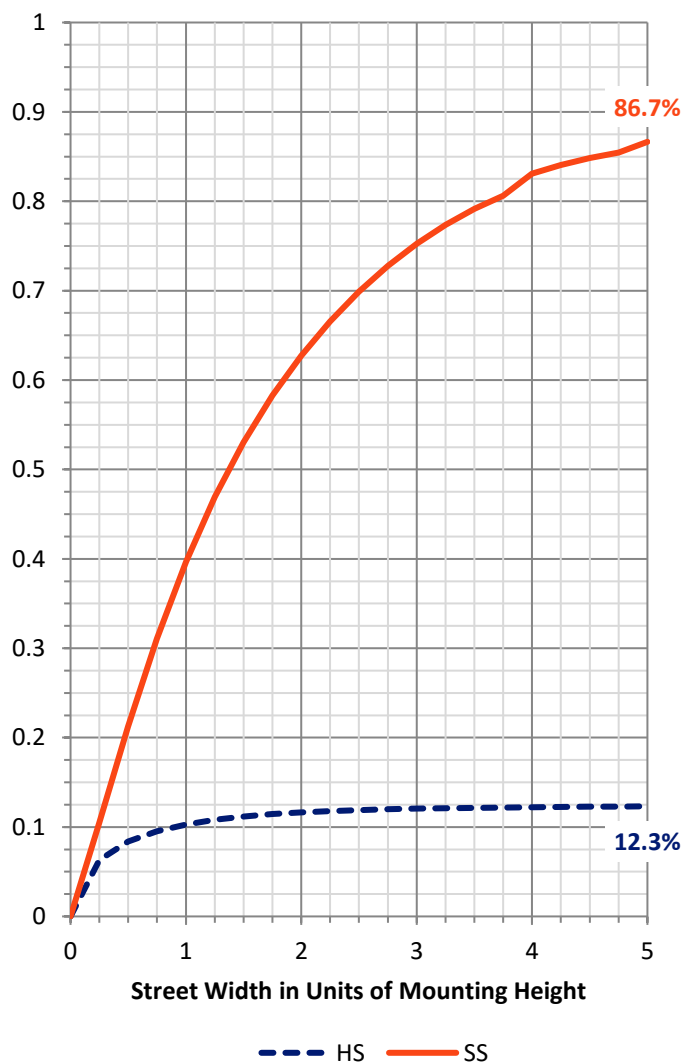
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	393.3	0.0	393.3
	% Fixture	12.4	0.0	12.4
<b>Street Side</b>	Lumens	2767.7	0.0	2767.7
	% Fixture	87.6	0.0	87.6
<b>Total</b>	Lumens	3161.0	0.0	3161.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.6	1.4
10°-20°	112.4	3.6
20°-30°	173.6	5.5
30°-40°	252.5	8.0
40°-50°	377.9	12.0
50°-60°	564.6	17.9
60°-70°	795.5	25.2
70°-80°	731.9	23.2
80°-90°	107.9	3.4
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°	3161.0	100.0
0°-180°	3161.0	100.0

**Coefficient of Utilization**



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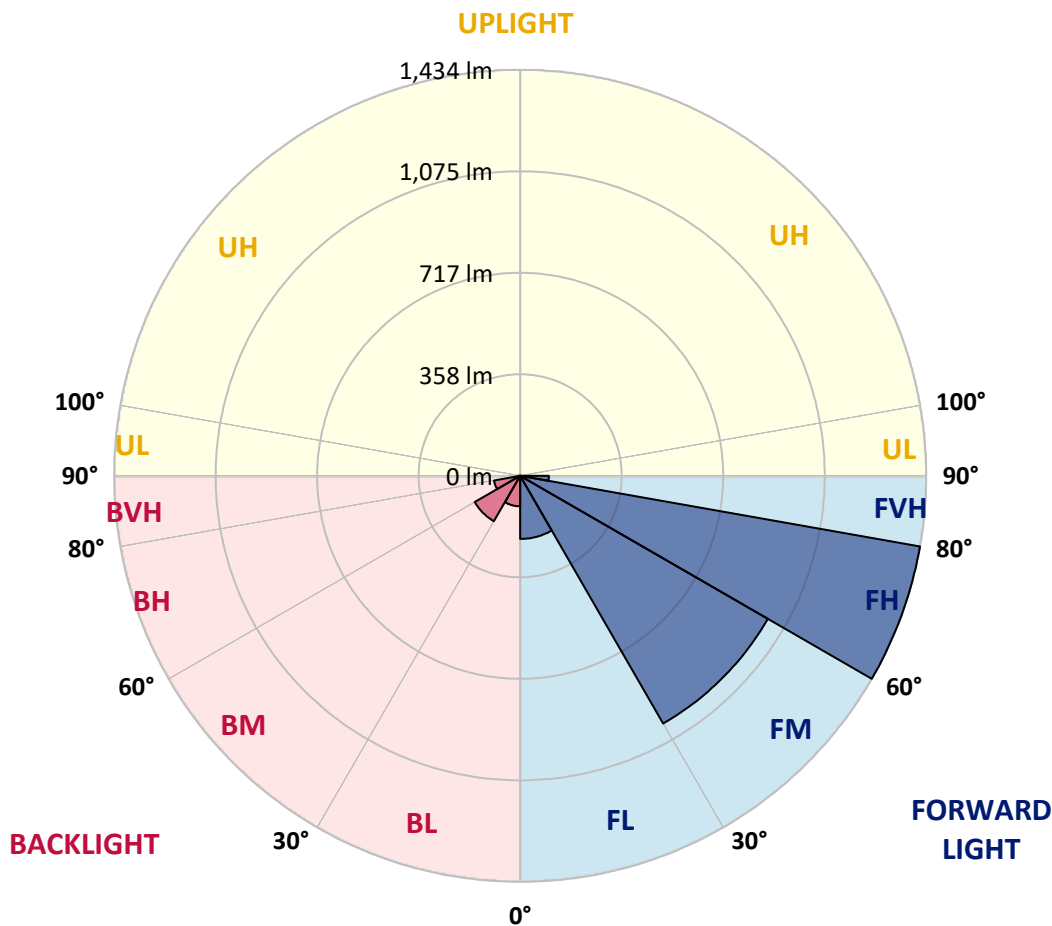
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	223.0	7.1			
FM (30°-60°)	1009.9	31.9			
FH (60°-80°)	1433.6	45.4			G1/1800
FVH (80°-90°)	101.2	3.2			G2/225
BL (0°-30°)	107.6	3.4	B0/110		
BM (30°-60°)	185.1	5.9	B0/220		
BH (60°-80°)	93.8	3.0	B0/110		G0/110
BVH (80°-90°)	6.7	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0
2.5°	529.0	530.5	529.0	529.0	526.2	529.0	524.7	523.3	520.4	520.4	514.7
5°	521.9	524.7	521.9	521.9	520.4	520.4	516.2	514.7	510.4	510.4	503.3
7.5°	510.4	509.0	510.4	510.4	510.4	511.9	509.0	504.7	503.3	497.6	494.7
10°	499.0	501.9	500.4	504.7	506.1	506.1	506.1	503.3	500.4	493.3	489.0
12.5°	487.6	489.0	497.6	503.3	510.4	513.3	511.9	509.0	504.7	496.1	484.7
15°	490.4	486.1	494.7	507.6	517.6	521.9	516.2	516.2	506.1	496.1	484.7
17.5°	489.0	489.0	500.4	516.2	529.0	530.5	530.5	523.3	513.3	503.3	484.7
20°	496.1	496.1	510.4	527.6	541.9	544.8	543.3	529.0	517.6	506.1	494.7
22.5°	510.4	511.9	526.2	546.2	553.3	557.6	553.3	539.0	526.2	517.6	499.0
25°	533.3	531.9	543.3	563.3	574.8	571.9	571.9	549.0	534.7	529.0	513.3
27.5°	553.3	554.8	561.9	581.9	587.6	590.5	584.8	559.1	546.2	547.6	529.0
30°	580.5	583.4	587.6	597.7	601.9	603.4	603.4	577.6	563.3	571.9	546.2
32.5°	614.8	613.4	614.8	622.0	614.8	619.1	617.7	593.4	586.2	604.8	573.3
35°	652.0	652.0	647.7	643.4	632.0	637.7	637.7	614.8	617.7	647.7	601.9
37.5°	690.6	684.9	677.7	664.9	656.3	663.4	667.7	647.7	660.6	704.9	654.8
40°	726.3	714.9	700.6	693.5	687.7	699.2	704.9	693.5	712.0	779.2	724.9
42.5°	747.8	746.4	729.2	720.6	726.3	744.9	747.8	742.1	779.2	865.0	803.5
45°	774.9	767.8	752.1	747.8	772.1	796.4	805.0	797.8	855.0	972.3	886.5
47.5°	792.1	785.0	772.1	782.1	817.8	850.7	869.3	869.3	943.7	1085.2	976.6
50°	809.3	799.3	792.1	825.0	862.2	903.6	929.4	946.5	1039.5	1199.6	1080.9
52.5°	839.3	822.1	815.0	872.2	917.9	972.3	1015.2	1032.3	1151.0	1325.4	1181.0
55°	879.3	867.9	846.4	923.6	983.7	1040.9	1095.2	1142.4	1259.6	1439.8	1263.9
57.5°	922.2	909.3	892.2	988.0	1076.6	1143.8	1198.2	1266.8	1386.9	1565.6	1339.7
60°	978.0	965.1	952.2	1063.8	1188.2	1262.5	1331.1	1406.9	1522.7	1667.1	1402.6
62.5°	1032.3	1020.9	1019.4	1146.7	1316.8	1414.1	1469.8	1554.2	1648.6	1750.1	1431.2
65°	1099.5	1093.8	1090.9	1248.2	1482.7	1581.4	1641.4	1730.1	1794.4	1820.1	1392.6
67.5°	1162.4	1169.6	1193.9	1372.6	1662.9	1784.4	1875.9	1970.3	1948.8	1825.8	1192.4
70°	1281.1	1284.0	1341.1	1555.6	1947.4	2130.4	2236.2	2223.3	1968.8	1582.8	812.1
72.5°	1406.9	1428.4	1534.2	1833.0	2384.9	2590.8	2622.2	2257.6	1662.9	1003.7	348.9
75°	1398.3	1409.8	1598.5	2018.9	2712.3	2819.6	2550.8	1722.9	916.5	350.3	144.4
77.5°	1115.2	1146.7	1351.2	1784.4	2319.1	2163.3	1655.7	856.4	293.1	128.7	87.2
80°	523.3	583.4	707.7	930.8	1249.6	1092.4	707.7	348.9	147.3	82.9	61.5
82.5°	244.5	254.5	283.1	308.8	417.5	406.1	293.1	274.5	113.0	50.0	30.0
85°	167.3	181.6	201.6	177.3	191.6	190.2	203.0	271.7	78.6	28.6	18.6
87.5°	114.4	121.5	135.8	104.4	115.8	107.2	127.3	234.5	25.7	11.4	5.7
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°	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0
2.5°	511.9	509.0	500.4	499.0	497.6	489.0	487.6	483.3	480.4	479.0	480.4
5°	500.4	496.1	486.1	477.6	461.8	447.5	437.5	427.5	420.4	421.8	421.8
7.5°	490.4	486.1	470.4	454.7	427.5	407.5	383.2	364.6	353.2	344.6	347.4
10°	483.3	476.1	456.1	427.5	393.2	358.9	331.7	301.7	283.1	276.0	276.0
12.5°	480.4	471.8	438.9	400.3	356.0	314.6	274.5	243.1	220.2	214.5	211.6
15°	477.6	461.8	420.4	370.3	316.0	268.8	225.9	195.9	170.1	160.1	161.6
17.5°	476.1	457.5	403.2	343.2	280.2	224.5	184.4	153.0	138.7	131.5	131.5
20°	477.6	453.2	388.9	310.3	240.2	185.9	148.7	130.1	121.5	117.2	118.7
22.5°	481.8	447.5	364.6	278.8	207.3	155.8	130.1	120.1	114.4	111.5	111.5
25°	487.6	447.5	348.9	244.5	177.3	137.3	118.7	113.0	108.7	108.7	105.8
27.5°	499.0	449.0	327.4	215.9	153.0	123.0	113.0	107.2	104.4	104.4	104.4
30°	504.7	447.5	307.4	190.2	134.4	114.4	105.8	104.4	102.9	100.1	100.1
32.5°	519.0	446.1	284.5	167.3	121.5	107.2	101.5	100.1	98.7	97.2	97.2
35°	543.3	451.8	255.9	148.7	111.5	101.5	97.2	95.8	94.4	94.4	92.9
37.5°	573.3	460.4	235.9	133.0	104.4	95.8	92.9	91.5	91.5	91.5	91.5
40°	620.5	479.0	218.8	123.0	98.7	91.5	88.6	88.6	88.6	87.2	87.2
42.5°	673.4	501.9	204.5	115.8	95.8	88.6	85.8	84.4	84.4	84.4	84.4
45°	736.3	526.2	191.6	110.1	94.4	87.2	84.4	81.5	81.5	81.5	80.1
47.5°	803.5	554.8	181.6	107.2	91.5	85.8	81.5	80.1	78.6	77.2	77.2
50°	876.5	587.6	177.3	105.8	90.1	82.9	78.6	77.2	75.8	72.9	72.9
52.5°	945.1	620.5	180.2	104.4	88.6	80.1	75.8	75.8	72.9	70.1	71.5
55°	1000.9	652.0	183.0	104.4	87.2	75.8	72.9	72.9	70.1	67.2	67.2
57.5°	1050.9	674.9	184.4	105.8	87.2	72.9	68.6	70.1	67.2	65.8	65.8
60°	1088.1	683.4	184.4	108.7	87.2	70.1	64.3	67.2	65.8	62.9	64.3
62.5°	1085.2	649.1	171.6	110.1	87.2	68.6	61.5	64.3	67.2	64.3	64.3
65°	988.0	517.6	148.7	102.9	85.8	67.2	57.2	61.5	65.8	64.3	64.3
67.5°	747.8	343.2	120.1	92.9	78.6	64.3	54.3	54.3	58.6	57.2	58.6
70°	437.5	185.9	98.7	80.1	68.6	58.6	50.0	47.2	47.2	47.2	47.2
72.5°	180.2	108.7	80.1	67.2	58.6	50.0	44.3	40.0	38.6	38.6	38.6
75°	100.1	80.1	65.8	54.3	47.2	41.5	38.6	34.3	32.9	32.9	32.9
77.5°	72.9	65.8	52.9	41.5	35.7	32.9	30.0	28.6	27.2	27.2	27.2
80°	55.8	51.5	40.0	31.5	27.2	22.9	22.9	21.4	21.4	21.4	21.4
82.5°	32.9	38.6	28.6	21.4	20.0	17.2	15.7	15.7	15.7	14.3	14.3
85°	21.4	28.6	17.2	12.9	10.0	8.6	10.0	8.6	8.6	7.1	7.1
87.5°	4.3	8.6	4.3	1.4	1.4	1.4	1.4	1.4	1.4	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)