

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: P402579

Luminaire Tested: **GAN-AF-02-LED-U-SL3-AMB-HSS**

Issue Date: 6/8/2020

Test Information

Test Method: LM-79-08
Report Number: P402579
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-7)
Test Lab: INNOVATION CENTER
Issue Date: 6/8/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-02-LED-U-SL3-AMB-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: 1856 lumens
Efficiency: N/A
Efficacy: 44.5 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

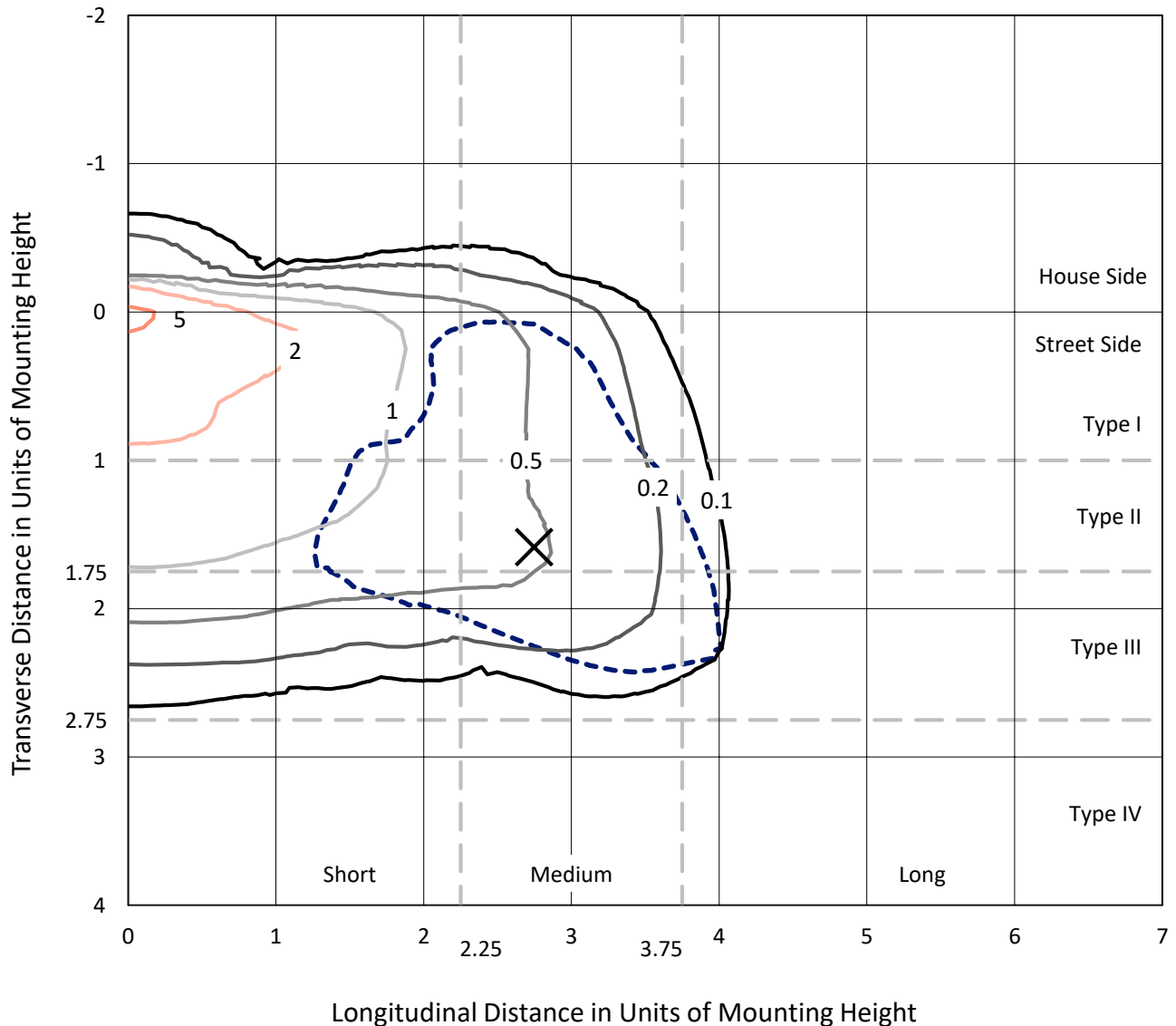
Input Watts (W): 41.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

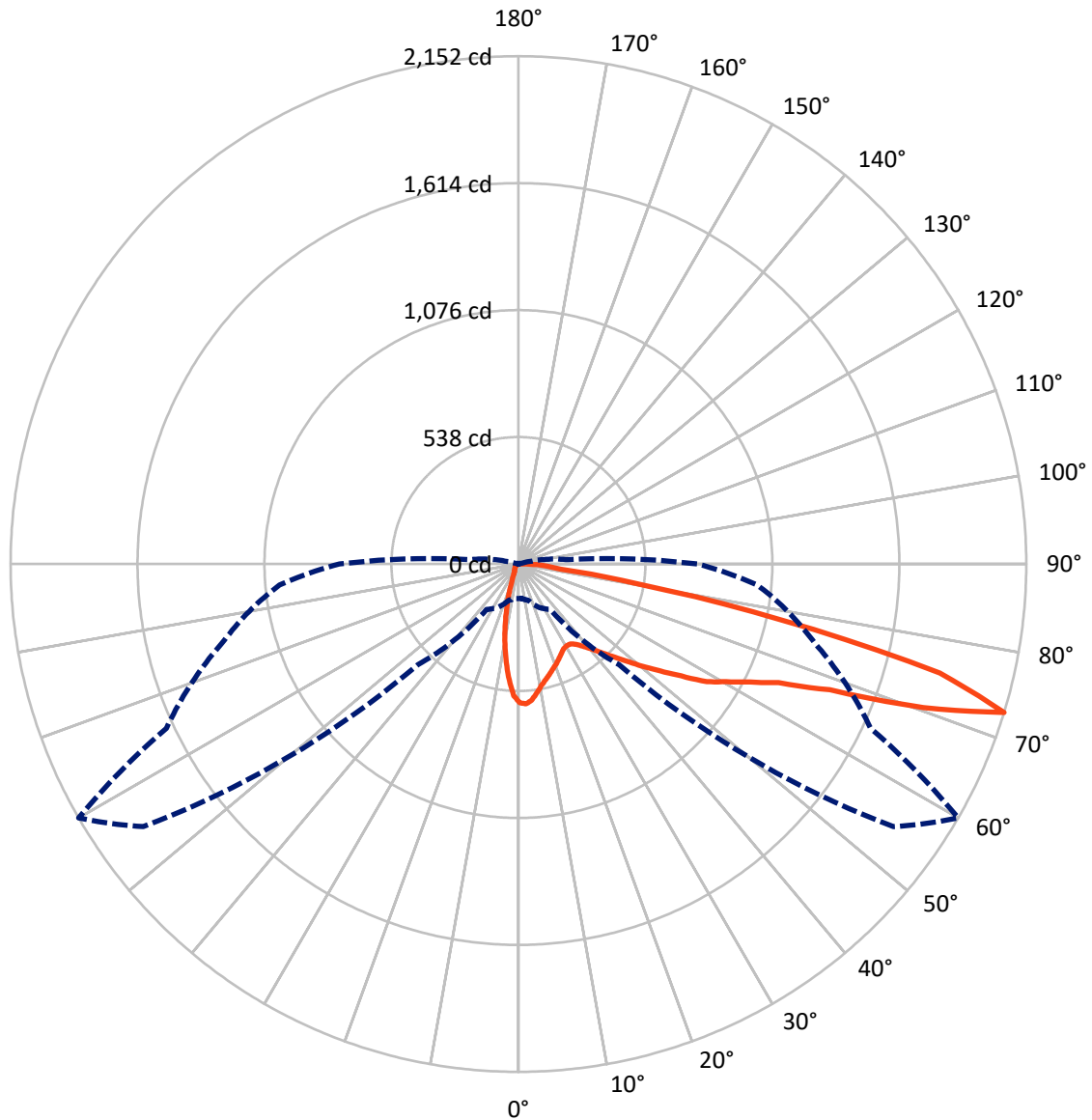


Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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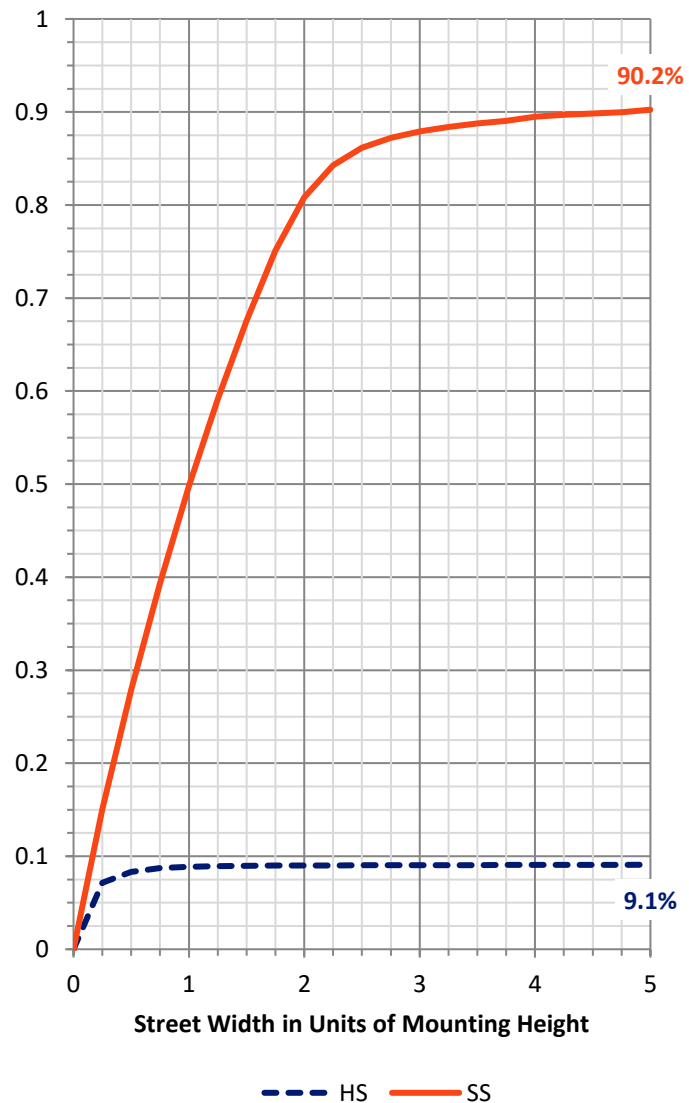
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	170.4	0.0	170.4
	% Fixture	9.2	0.0	9.2
Street Side	Lumens	1685.6	0.0	1685.6
	% Fixture	90.8	0.0	90.8
Total	Lumens	1856.0	0.0	1856.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.6	2.5
10°-20°	89.2	4.8
20°-30°	117.1	6.3
30°-40°	157.8	8.5
40°-50°	235.0	12.7
50°-60°	364.5	19.6
60°-70°	500.0	26.9
70°-80°	315.2	17.0
80°-90°	31.6	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°	1856.0	100.0
0°-180°	1856.0	100.0



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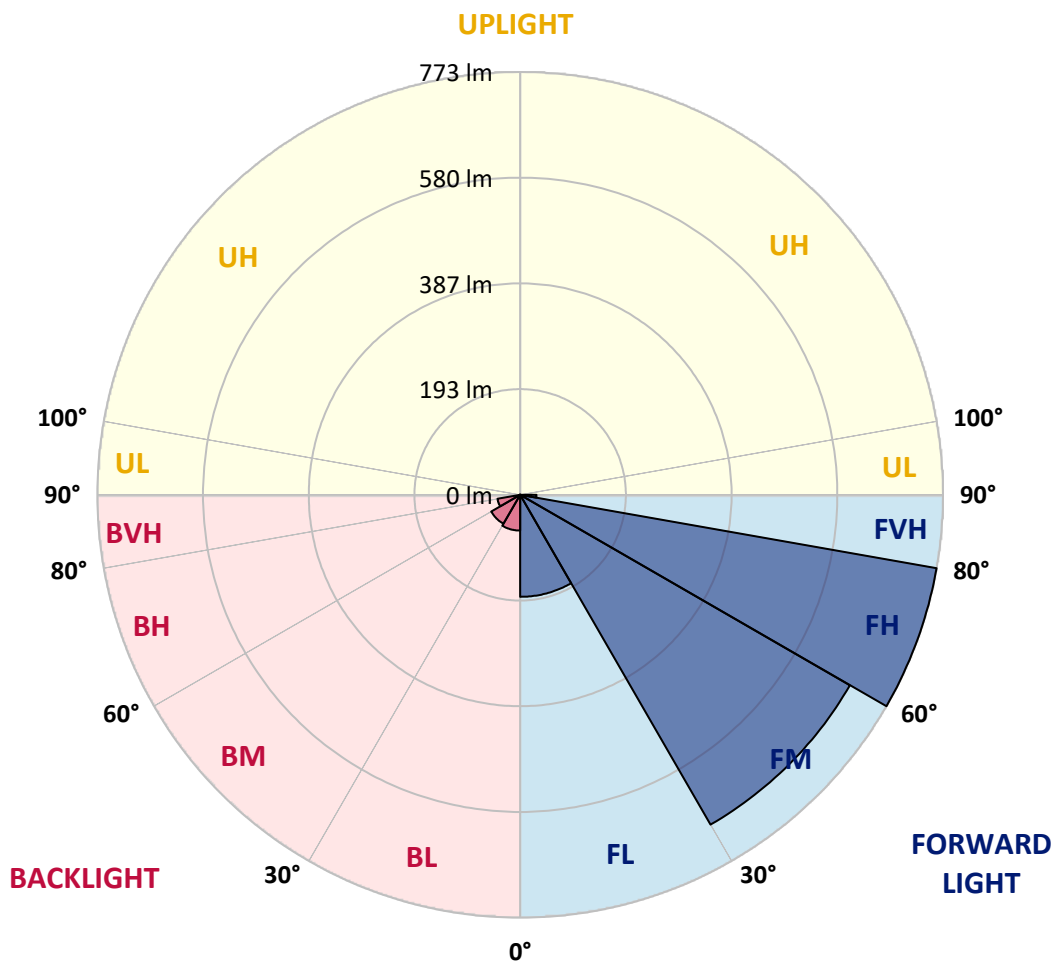
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	186.5	10.0			
FM	(30°-60°)	696.2	37.5			
FH	(60°-80°)	773.1	41.7			G1/1800
FVH	(80°-90°)	29.9	1.6			G1/100
BL	(0°-30°)	65.4	3.5	B0/110		
BM	(30°-60°)	61.2	3.3	B0/220		
BH	(60°-80°)	42.2	2.3	B0/110		G0/110
BVH	(80°-90°)	1.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	586.9	586.9	586.9	586.9	586.9	586.9	586.9	586.9	586.9	586.9	586.9
2.5°	596.9	595.9	595.9	596.9	597.9	594.9	594.9	593.9	590.9	589.9	583.9
5°	558.9	561.9	561.9	565.9	569.9	571.9	579.9	579.9	578.9	578.9	569.9
7.5°	512.9	512.9	519.9	526.9	536.9	539.9	548.9	552.9	554.9	559.9	551.9
10°	471.9	474.9	475.9	485.9	494.9	505.9	520.9	525.9	530.9	540.9	532.9
12.5°	440.9	442.9	445.9	454.9	465.9	477.9	495.9	504.9	509.9	523.9	517.9
15°	409.0	411.0	417.0	425.0	439.9	454.9	474.9	486.9	495.9	511.9	506.9
17.5°	388.0	389.0	390.0	397.0	412.0	432.0	456.9	468.9	480.9	500.9	498.9
20°	378.0	379.0	378.0	382.0	391.0	408.0	438.0	453.9	466.9	495.9	492.9
22.5°	375.0	376.0	374.0	373.0	377.0	392.0	419.0	437.0	454.9	494.9	490.9
25°	377.0	377.0	374.0	371.0	371.0	379.0	402.0	421.0	442.9	496.9	488.9
27.5°	385.0	384.0	381.0	375.0	370.0	373.0	391.0	408.0	432.0	499.9	488.9
30°	395.0	394.0	393.0	388.0	379.0	373.0	386.0	402.0	426.0	506.9	489.9
32.5°	406.0	407.0	407.0	403.0	393.0	380.0	389.0	404.0	427.0	516.9	492.9
35°	426.0	424.0	427.0	425.0	414.0	397.0	404.0	417.0	437.0	527.9	499.9
37.5°	444.9	444.9	448.9	449.9	439.9	419.0	428.0	440.9	452.9	545.9	512.9
40°	466.9	465.9	471.9	477.9	469.9	451.9	460.9	471.9	482.9	572.9	534.9
42.5°	484.9	486.9	495.9	505.9	508.9	483.9	498.9	510.9	515.9	602.9	567.9
45°	501.9	504.9	521.9	537.9	547.9	527.9	544.9	557.9	562.9	640.9	607.9
47.5°	519.9	523.9	544.9	569.9	587.9	577.9	596.9	612.9	615.9	687.9	667.9
50°	538.9	542.9	566.9	600.9	630.9	636.9	660.9	679.9	676.9	734.9	728.9
52.5°	562.9	567.9	600.9	638.9	679.9	697.9	734.9	751.9	742.9	795.9	784.9
55°	625.9	627.9	650.9	689.9	731.9	767.9	821.9	836.9	813.9	840.9	841.9
57.5°	732.9	732.9	737.9	749.9	788.9	841.9	927.9	940.9	897.9	886.9	891.9
60°	796.9	806.9	827.9	850.9	868.9	921.9	1011.9	1011.9	950.9	934.9	936.9
62.5°	780.9	788.9	850.9	902.9	983.9	1051.9	1102.9	1100.9	1010.9	979.9	993.9
65°	571.9	585.9	665.9	828.9	1028.9	1231.9	1254.9	1210.9	1084.9	1047.9	1104.9
67.5°	307.0	318.0	385.0	530.9	811.9	1354.8	1566.8	1422.8	1217.9	1186.9	1217.9
70°	202.0	200.0	205.0	261.0	443.9	1122.9	1984.8	1820.8	1438.8	1297.9	1218.9
72.5°	146.0	146.0	159.0	202.0	235.0	602.9	1939.8	2151.8	1645.8	1300.9	1015.9
75°	98.0	100.0	121.0	163.0	219.0	198.0	1508.8	1843.8	1617.8	976.9	529.9
77.5°	51.0	54.0	80.0	129.0	201.0	177.0	844.9	1141.9	950.9	448.9	118.0
80°	23.0	24.0	35.0	97.0	184.0	164.0	276.0	508.9	301.0	54.0	20.0
82.5°	11.0	11.0	15.0	48.0	152.0	141.0	170.0	181.0	71.0	17.0	14.0
85°	4.0	4.0	8.0	27.0	90.0	85.0	145.0	121.0	40.0	11.0	10.0
87.5°	2.0	2.0	3.0	8.0	24.0	69.0	100.0	80.0	17.0	4.0	4.0
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°	586.9	586.9	586.9	586.9	586.9	586.9	586.9	586.9	586.9	586.9	586.9
2.5°	580.9	577.9	569.9	562.9	553.9	541.9	539.9	527.9	517.9	516.9	513.9
5°	564.9	555.9	535.9	506.9	479.9	457.9	434.0	419.0	411.0	402.0	408.0
7.5°	542.9	527.9	487.9	442.9	399.0	361.0	324.0	297.0	286.0	270.0	273.0
10°	519.9	498.9	440.9	373.0	316.0	260.0	212.0	172.0	151.0	144.0	144.0
12.5°	503.9	473.9	393.0	308.0	233.0	161.0	117.0	85.0	64.0	57.0	57.0
15°	487.9	450.9	349.0	246.0	154.0	93.0	56.0	48.0	47.0	47.0	47.0
17.5°	473.9	424.0	303.0	188.0	101.0	52.0	46.0	45.0	44.0	44.0	44.0
20°	459.9	400.0	264.0	135.0	56.0	44.0	42.0	42.0	42.0	42.0	41.0
22.5°	446.9	379.0	222.0	93.0	43.0	40.0	39.0	39.0	39.0	38.0	38.0
25°	437.0	360.0	184.0	59.0	38.0	37.0	36.0	35.0	34.0	34.0	34.0
27.5°	427.0	342.0	144.0	41.0	35.0	33.0	32.0	31.0	29.0	29.0	28.0
30°	420.0	324.0	115.0	35.0	32.0	30.0	28.0	26.0	24.0	23.0	23.0
32.5°	416.0	310.0	86.0	32.0	29.0	26.0	24.0	22.0	20.0	18.0	18.0
35°	413.0	296.0	59.0	29.0	26.0	23.0	21.0	18.0	15.0	14.0	14.0
37.5°	418.0	286.0	40.0	27.0	24.0	21.0	17.0	15.0	13.0	12.0	12.0
40°	429.0	278.0	32.0	25.0	22.0	18.0	15.0	12.0	10.0	9.0	9.0
42.5°	447.9	275.0	28.0	24.0	20.0	16.0	12.0	10.0	9.0	8.0	8.0
45°	482.9	274.0	26.0	22.0	18.0	13.0	10.0	8.0	7.0	6.0	6.0
47.5°	521.9	276.0	25.0	21.0	16.0	12.0	9.0	7.0	6.0	5.0	5.0
50°	569.9	284.0	23.0	19.0	15.0	10.0	7.0	6.0	4.0	4.0	4.0
52.5°	615.9	292.0	22.0	18.0	13.0	9.0	6.0	4.0	4.0	3.0	3.0
55°	660.9	310.0	20.0	18.0	12.0	7.0	5.0	4.0	3.0	2.0	2.0
57.5°	705.9	323.0	19.0	16.0	10.0	6.0	4.0	3.0	2.0	2.0	2.0
60°	751.9	335.0	17.0	14.0	8.0	5.0	3.0	2.0	2.0	2.0	2.0
62.5°	809.9	355.0	15.0	12.0	7.0	4.0	3.0	2.0	1.0	1.0	1.0
65°	918.9	389.0	13.0	10.0	5.0	4.0	3.0	2.0	1.0	1.0	1.0
67.5°	988.9	384.0	11.0	8.0	5.0	3.0	2.0	2.0	1.0	1.0	1.0
70°	974.9	347.0	9.0	7.0	4.0	3.0	2.0	2.0	1.0	1.0	1.0
72.5°	757.9	211.0	8.0	6.0	4.0	3.0	2.0	2.0	1.0	1.0	1.0
75°	346.0	47.0	7.0	5.0	3.0	3.0	2.0	2.0	1.0	1.0	1.0
77.5°	61.0	12.0	6.0	4.0	4.0	3.0	3.0	2.0	1.0	1.0	1.0
80°	16.0	8.0	6.0	4.0	4.0	5.0	4.0	3.0	1.0	1.0	1.0
82.5°	11.0	6.0	6.0	5.0	5.0	6.0	5.0	3.0	1.0	1.0	1.0
85°	8.0	5.0	6.0	6.0	4.0	5.0	5.0	3.0	1.0	1.0	1.0
87.5°	4.0	2.0	2.0	2.0	2.0	3.0	3.0	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)