

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: P402580

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

Issue Date: 6/8/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P402580  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-6)  
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  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2340 lumens  
Efficiency: N/A  
Efficacy: 56.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G1

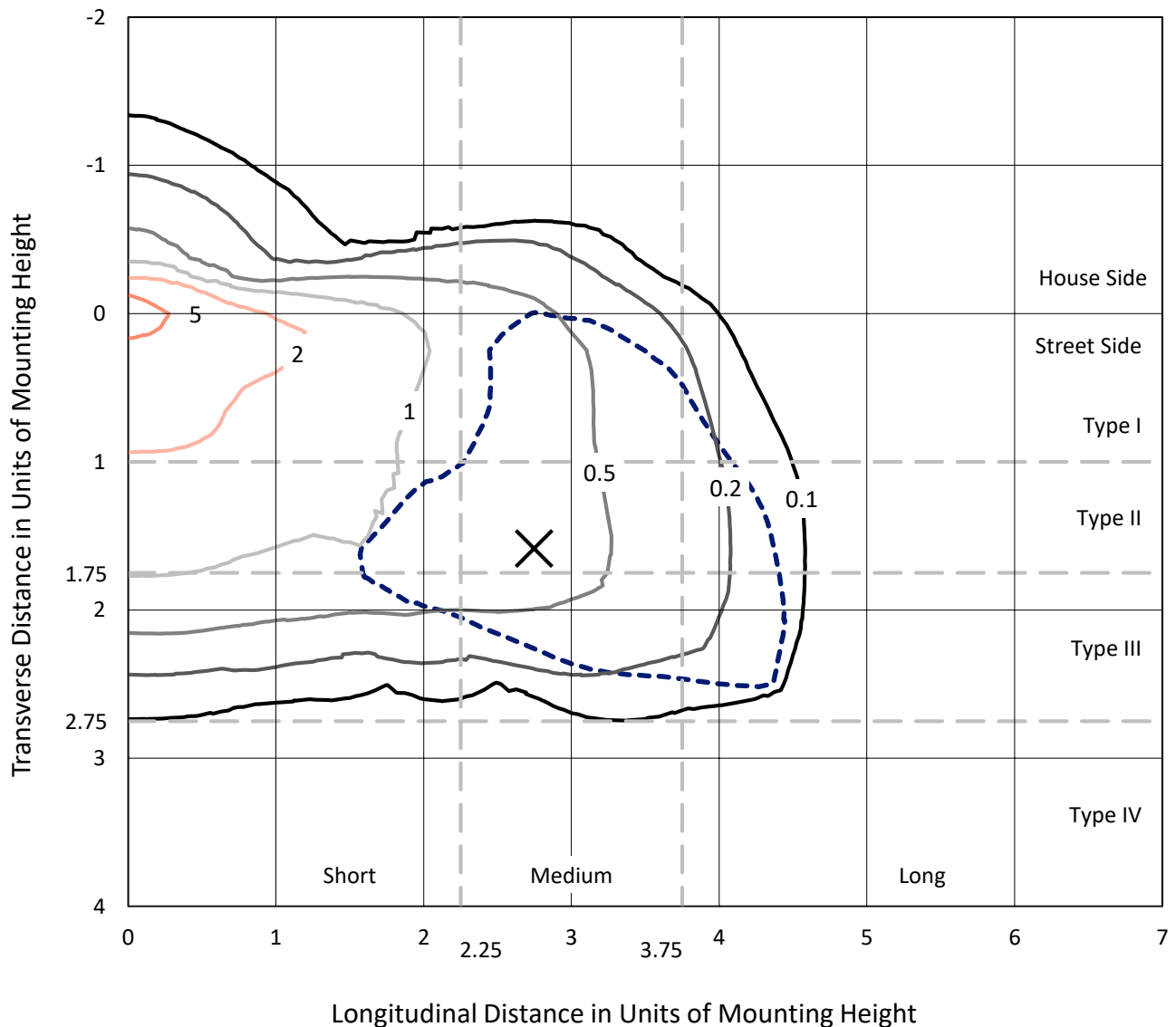
Input Watts (W): 41.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

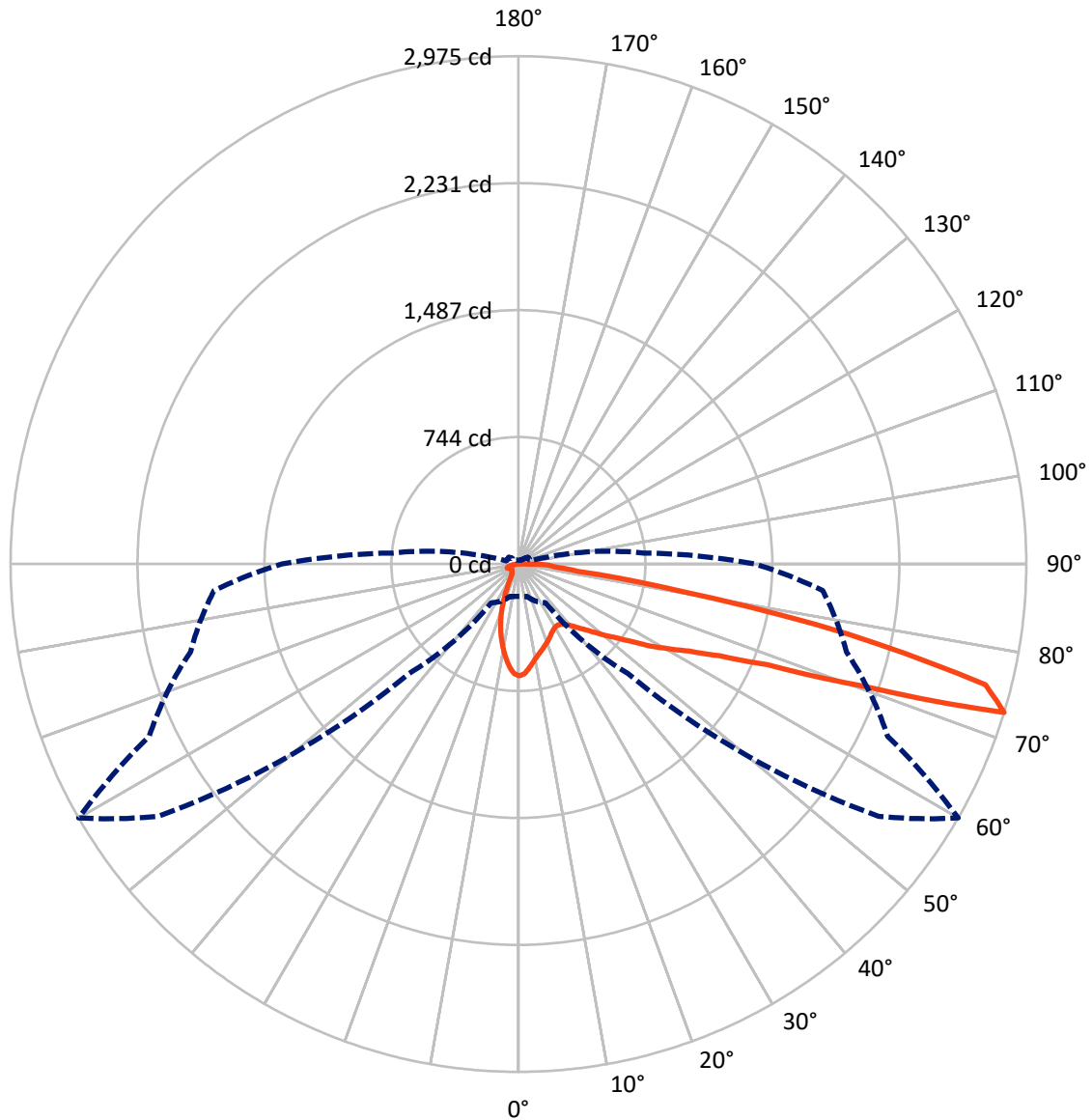
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 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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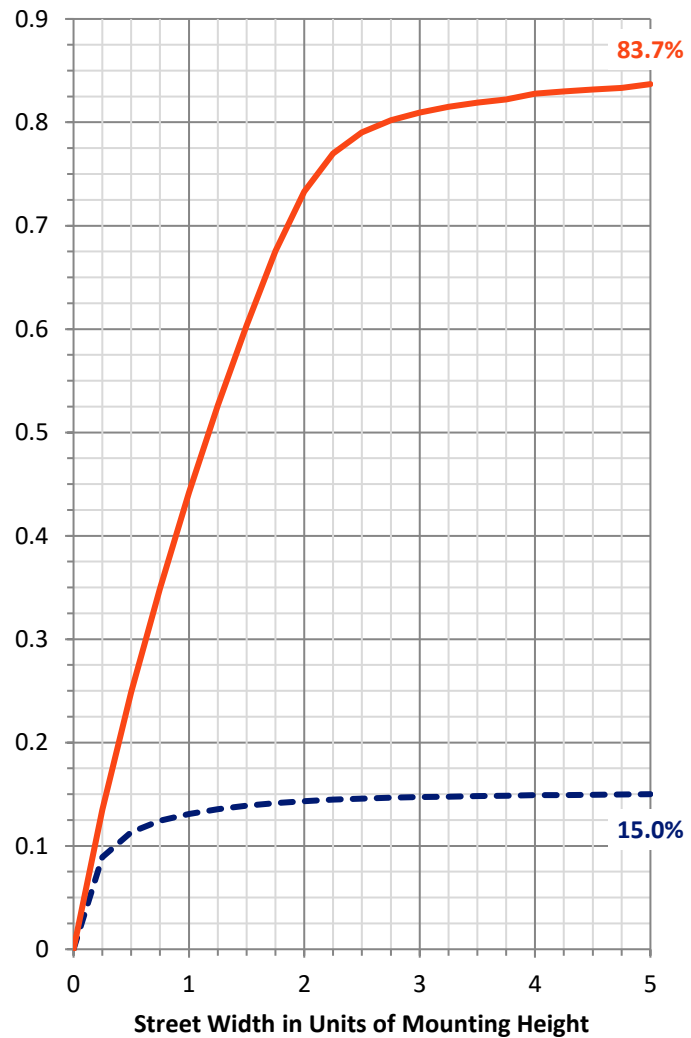
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	355.5	0.0	355.5
	% Fixture	15.2	0.0	15.2
<b>Street Side</b>	Lumens	1984.4	0.0	1984.4
	% Fixture	84.8	0.0	84.8
<b>Total</b>	Lumens	2340.0	0.0	2340.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.9	2.3
10°-20°	116.6	5.0
20°-30°	144.1	6.2
30°-40°	182.2	7.8
40°-50°	258.7	11.1
50°-60°	394.4	16.9
60°-70°	594.9	25.4
70°-80°	523.4	22.4
80°-90°	70.7	3.0
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°	2340.0	100.0
0°-180°	2340.0	100.0



--- HS    — SS

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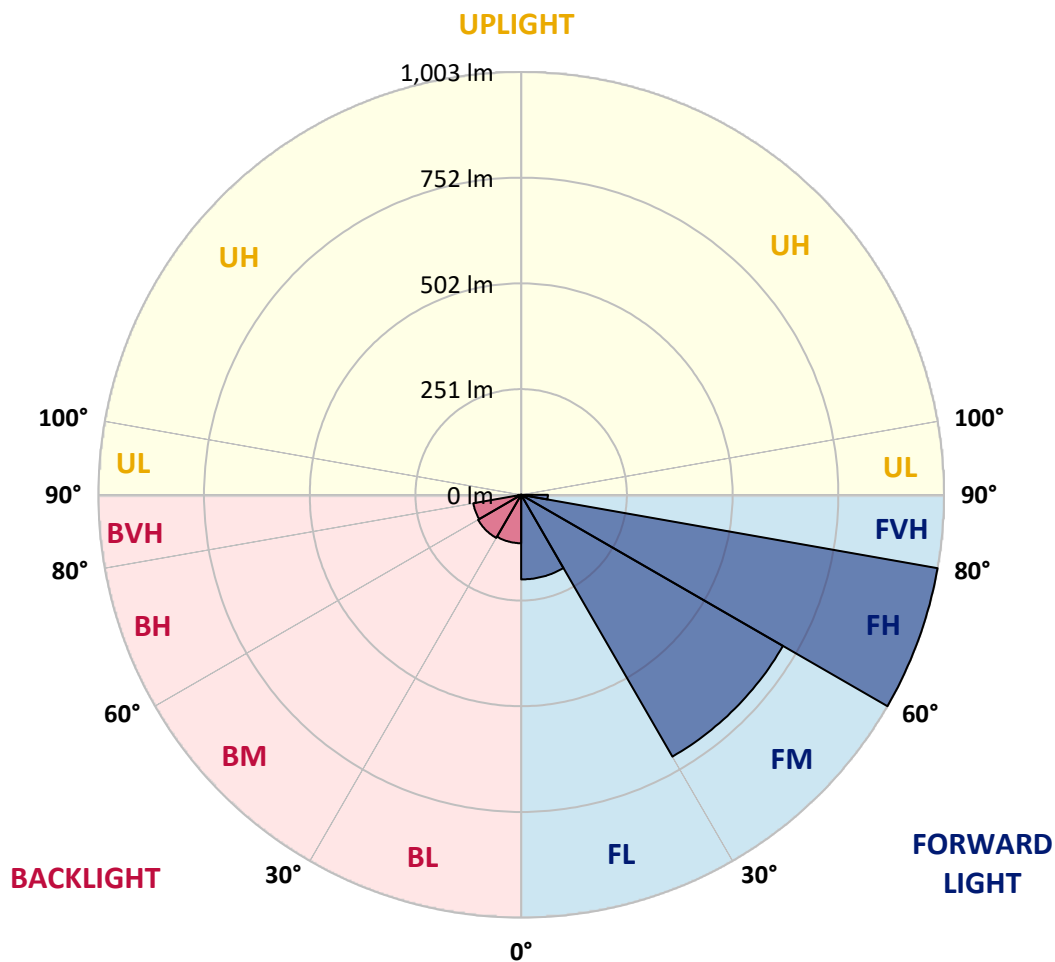
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	200.8	8.6			
FM	(30°-60°)	717.2	30.7			
FH	(60°-80°)	1003.2	42.9			G1/1800
FVH	(80°-90°)	63.3	2.7			G1/100
BL	(0°-30°)	114.8	4.9	B1/500		
BM	(30°-60°)	118.1	5.0	B0/220		
BH	(60°-80°)	115.2	4.9	B1/500		G1/500
BVH	(80°-90°)	7.4	0.3			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	654.1	654.1	654.1	654.1	654.1	654.1	654.1	654.1	654.1	654.1	654.1
2.5°	636.1	636.1	636.1	640.1	641.1	641.1	645.1	645.1	644.1	648.1	647.1
5°	597.1	599.1	599.1	601.1	607.1	610.1	616.1	617.1	620.1	626.1	630.1
7.5°	549.1	552.1	557.1	565.1	571.1	576.1	587.1	587.1	592.1	601.1	608.1
10°	504.1	505.1	509.1	518.1	530.1	543.1	556.1	560.1	566.1	577.1	588.1
12.5°	473.1	475.1	477.1	485.1	498.1	511.1	531.1	539.1	546.1	559.1	574.1
15°	440.1	441.1	446.1	456.1	472.1	486.1	509.1	520.1	531.1	548.1	564.1
17.5°	418.1	417.1	421.1	428.1	445.1	464.1	489.1	502.1	515.1	538.1	555.1
20°	406.1	407.1	407.1	409.1	420.1	439.1	468.1	485.1	502.1	532.1	550.1
22.5°	403.1	403.1	400.1	399.1	404.1	420.1	449.1	468.1	488.1	531.1	547.1
25°	403.1	403.1	400.1	396.1	396.1	405.1	431.1	449.1	473.1	532.1	543.1
27.5°	410.1	410.1	406.1	400.1	395.1	397.1	417.1	436.1	463.1	534.1	540.1
30°	421.1	420.1	417.1	412.1	402.1	395.1	410.1	427.1	453.1	539.1	538.1
32.5°	432.1	433.1	431.1	427.1	416.1	401.1	409.1	425.1	451.1	546.1	538.1
35°	449.1	450.1	450.1	446.1	437.1	416.1	419.1	433.1	457.1	557.1	542.1
37.5°	468.1	468.1	471.1	471.1	460.1	437.1	438.1	449.1	469.1	572.1	552.1
40°	487.1	487.1	492.1	499.1	490.1	466.1	467.1	475.1	493.1	593.1	572.1
42.5°	511.1	509.1	520.1	529.1	525.1	503.1	498.1	508.1	521.1	622.1	602.1
45°	528.1	528.1	545.1	556.1	565.1	543.1	540.1	548.1	561.1	654.1	644.1
47.5°	548.1	549.1	567.1	590.1	604.1	591.1	587.1	598.1	607.1	696.1	697.1
50°	565.1	568.1	592.1	625.1	648.1	649.1	642.1	656.1	656.1	743.1	759.1
52.5°	588.1	593.1	624.1	660.1	698.1	711.1	713.1	717.1	718.1	801.1	828.2
55°	646.1	652.1	678.1	708.1	753.1	783.1	804.1	797.1	789.1	864.2	900.2
57.5°	749.1	744.1	754.1	761.1	805.1	854.2	906.2	903.2	879.2	937.2	977.2
60°	838.2	840.2	853.2	836.2	865.2	942.2	1003.2	1004.2	963.2	1015.2	1048.2
62.5°	846.2	859.2	914.2	952.2	996.2	1044.2	1137.2	1124.2	1071.2	1091.2	1131.2
65°	689.1	706.1	796.1	920.2	1147.2	1351.2	1301.2	1295.2	1203.2	1197.2	1248.2
67.5°	355.1	368.1	416.1	645.1	1032.2	1668.3	1701.3	1572.3	1385.3	1359.2	1421.3
70°	243.0	244.0	244.0	294.1	504.1	1529.3	2420.4	2147.4	1747.3	1629.3	1707.3
72.5°	190.0	190.0	197.0	240.0	277.1	907.2	2576.5	2974.5	2386.4	1988.4	1789.3
75°	142.0	143.0	156.0	200.0	270.0	271.0	2155.4	2825.5	2695.5	1961.4	1390.3
77.5°	108.0	106.0	123.0	165.0	263.0	247.0	1163.2	1974.4	1908.3	1333.2	504.1
80°	68.0	71.0	83.0	138.0	252.0	247.0	407.1	963.2	771.1	319.1	85.0
82.5°	39.0	41.0	52.0	86.0	226.0	246.0	254.0	349.1	191.0	79.0	40.0
85°	23.0	23.0	33.0	54.0	164.0	243.0	247.0	210.0	106.0	41.0	21.0
87.5°	10.0	12.0	19.0	26.0	74.0	205.0	224.0	178.0	77.0	23.0	11.0
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°	654.1	654.1	654.1	654.1	654.1	654.1	654.1	654.1	654.1	654.1	654.1
2.5°	646.1	646.1	644.1	644.1	645.1	640.1	639.1	636.1	638.1	637.1	633.1
5°	629.1	628.1	626.1	615.1	609.1	594.1	594.1	585.1	582.1	582.1	576.1
7.5°	608.1	605.1	592.1	574.1	557.1	541.1	526.1	515.1	507.1	500.1	501.1
10°	588.1	582.1	561.1	530.1	503.1	473.1	450.1	424.1	410.1	390.1	398.1
12.5°	572.1	563.1	529.1	485.1	445.1	401.1	355.1	316.1	284.1	264.0	252.0
15°	559.1	544.1	494.1	439.1	385.1	321.1	259.0	206.0	166.0	154.0	155.0
17.5°	547.1	526.1	463.1	392.1	319.1	241.0	170.0	135.0	122.0	116.0	116.0
20°	536.1	505.1	423.1	340.1	246.0	162.0	122.0	110.0	105.0	102.0	101.0
22.5°	522.1	486.1	384.1	286.1	176.0	117.0	101.0	95.0	94.0	94.0	94.0
25°	511.1	463.1	343.1	219.0	122.0	95.0	87.0	86.0	87.0	88.0	88.0
27.5°	498.1	440.1	302.1	154.0	93.0	80.0	77.0	79.0	81.0	83.0	83.0
30°	486.1	418.1	258.0	108.0	77.0	70.0	70.0	72.0	75.0	77.0	77.0
32.5°	478.1	402.1	206.0	85.0	68.0	64.0	65.0	66.0	69.0	70.0	70.0
35°	472.1	386.1	155.0	72.0	62.0	60.0	61.0	62.0	63.0	64.0	64.0
37.5°	473.1	377.1	111.0	64.0	58.0	57.0	58.0	58.0	58.0	59.0	59.0
40°	485.1	373.1	88.0	59.0	56.0	55.0	55.0	54.0	54.0	55.0	55.0
42.5°	503.1	374.1	78.0	57.0	54.0	53.0	52.0	51.0	51.0	51.0	51.0
45°	532.1	384.1	72.0	55.0	53.0	51.0	49.0	48.0	48.0	50.0	50.0
47.5°	575.1	399.1	66.0	54.0	51.0	48.0	47.0	46.0	47.0	48.0	49.0
50°	625.1	412.1	63.0	53.0	51.0	46.0	45.0	44.0	45.0	48.0	48.0
52.5°	683.1	431.1	62.0	53.0	50.0	45.0	43.0	43.0	44.0	47.0	47.0
55°	748.1	460.1	63.0	53.0	49.0	44.0	42.0	41.0	43.0	45.0	45.0
57.5°	816.1	499.1	65.0	53.0	47.0	44.0	41.0	39.0	40.0	42.0	42.0
60°	884.2	552.1	68.0	52.0	46.0	43.0	40.0	37.0	37.0	39.0	39.0
62.5°	965.2	618.1	78.0	54.0	46.0	41.0	37.0	34.0	34.0	35.0	35.0
65°	1071.2	714.1	93.0	61.0	50.0	39.0	34.0	31.0	31.0	31.0	31.0
67.5°	1246.2	867.2	99.0	68.0	57.0	39.0	32.0	29.0	28.0	28.0	27.0
70°	1474.3	967.2	88.0	71.0	68.0	40.0	30.0	26.0	25.0	25.0	24.0
72.5°	1384.3	737.1	75.0	69.0	69.0	41.0	29.0	25.0	23.0	22.0	22.0
75°	951.2	342.1	66.0	64.0	60.0	35.0	27.0	23.0	21.0	19.0	19.0
77.5°	280.1	92.0	55.0	56.0	46.0	29.0	25.0	21.0	19.0	17.0	17.0
80°	66.0	53.0	40.0	41.0	31.0	22.0	20.0	19.0	17.0	15.0	15.0
82.5°	38.0	34.0	28.0	26.0	19.0	15.0	16.0	16.0	15.0	13.0	12.0
85°	19.0	20.0	17.0	15.0	12.0	10.0	10.0	11.0	10.0	8.0	8.0
87.5°	11.0	10.0	11.0	8.0	6.0	5.0	6.0	6.0	6.0	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

(END OF REPORT)