

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: P322201

Luminaire Tested: **GAN-SA7B-730-U-T3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P322201  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA7B-730-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26825 lumens  
Efficiency: N/A  
Efficacy: 90.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4

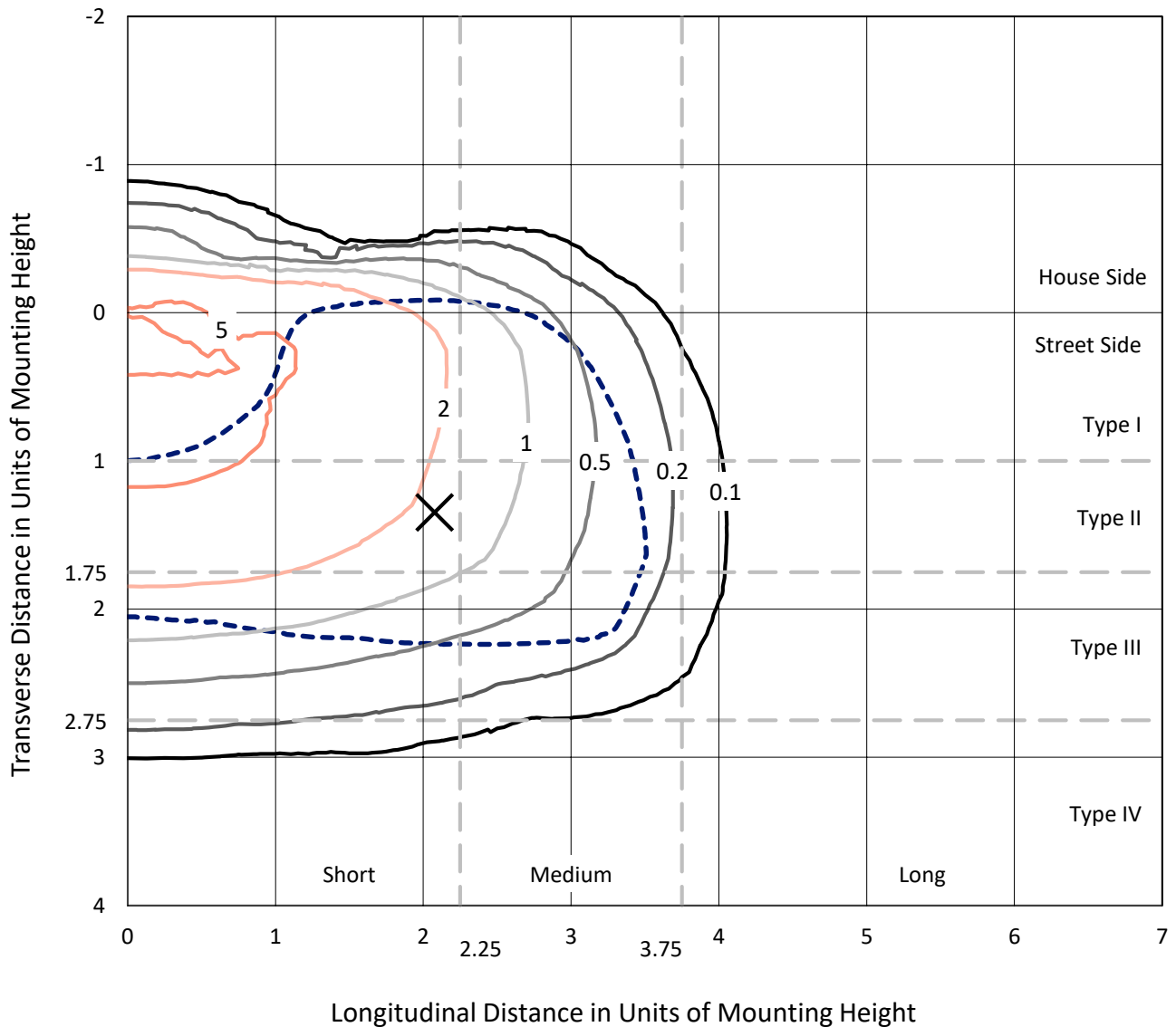
Input Watts (W): 295  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

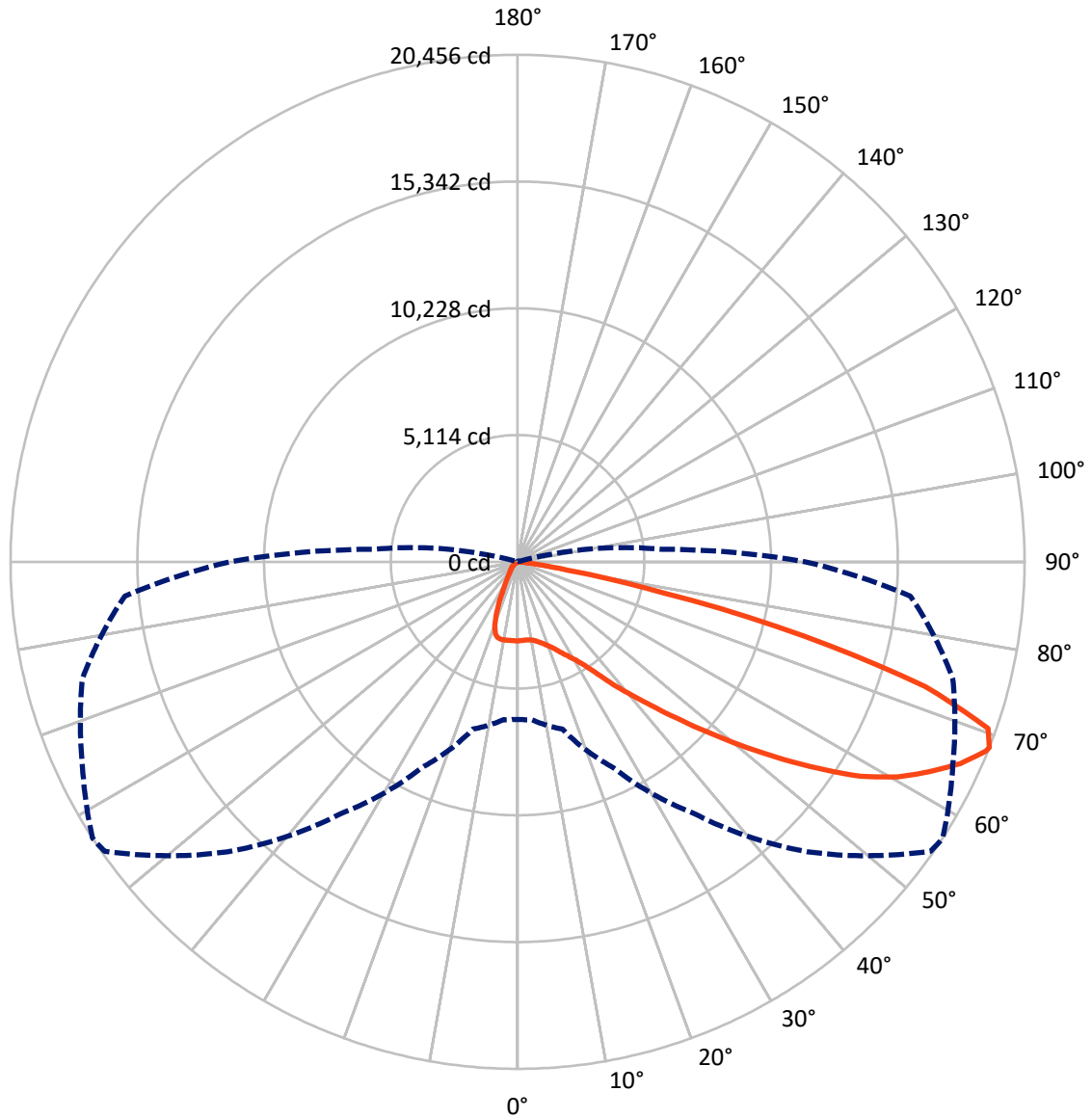
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 68-Deg Vertical

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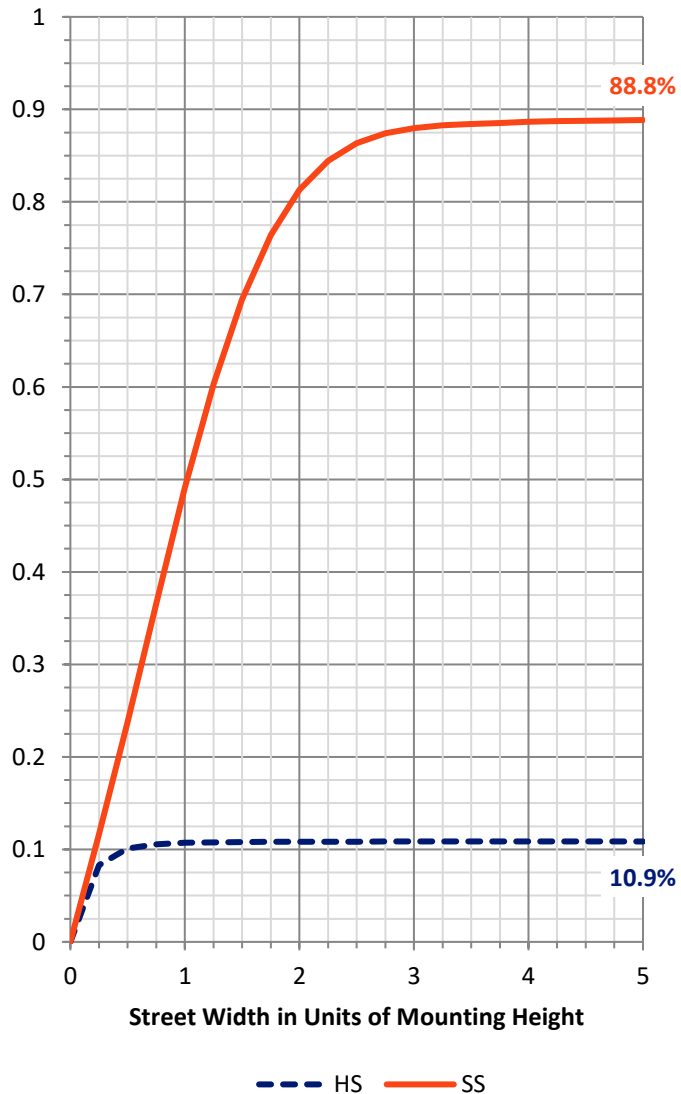
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2941.5	0.0	2941.5
	% Fixture	11.0	0.0	11.0
<b>Street Side</b>	Lumens	23883.5	0.0	23883.5
	% Fixture	89.0	0.0	89.0
<b>Total</b>	Lumens	26825.0	0.0	26825.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	298.3	1.1
10°-20°	826.6	3.1
20°-30°	1426.0	5.3
30°-40°	2461.2	9.2
40°-50°	4210.0	15.7
50°-60°	6735.5	25.1
60°-70°	7782.2	29.0
70°-80°	2973.7	11.1
80°-90°	111.5	0.4
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°	26825.0	100.0
0°-180°	26825.0	100.0

**Coefficient of Utilization**

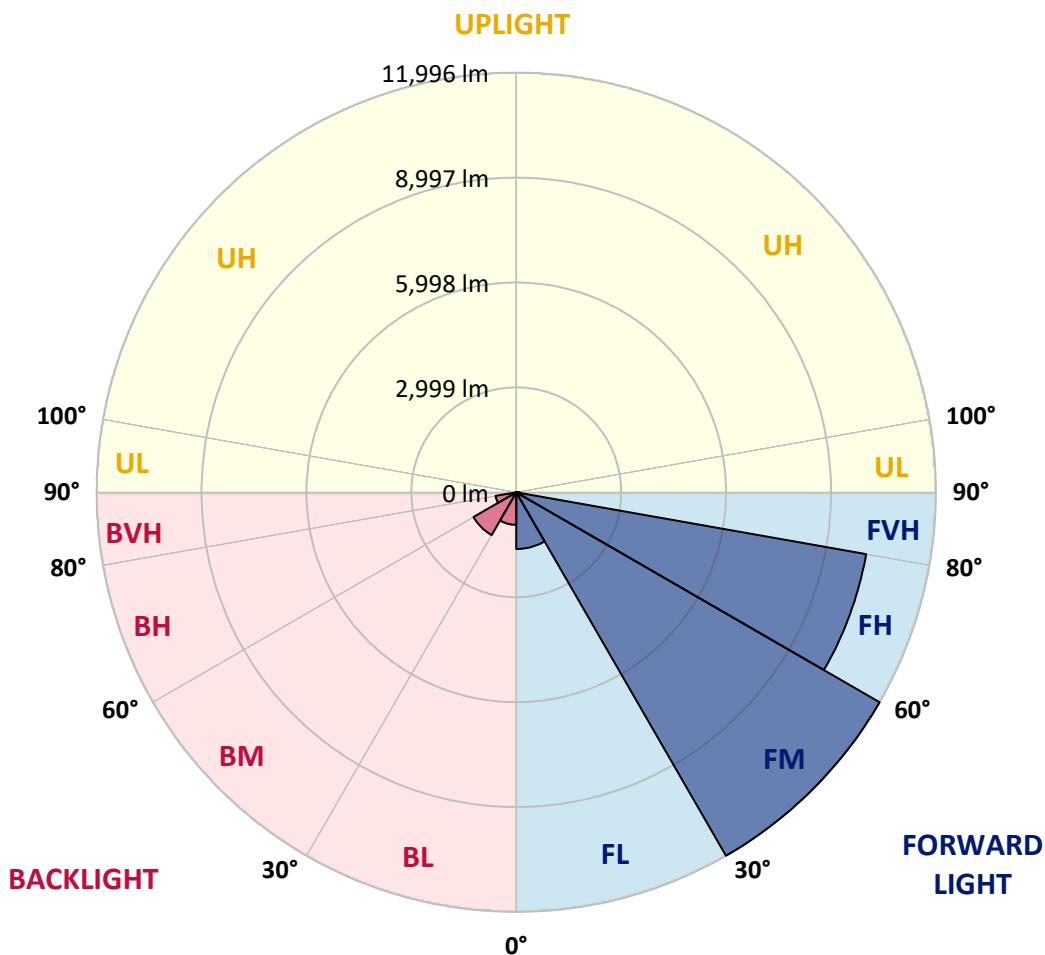


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1621.3	6.0			
FM (30°-60°)	11995.9	44.7			
FH (60°-80°)	10156.8	37.9			G4/12000
FVH (80°-90°)	109.4	0.4			G2/225
BL (0°-30°)	929.6	3.5	B2/1000		
BM (30°-60°)	1410.8	5.3	B2/2500		
BH (60°-80°)	599.1	2.2	B2/1000		G2/1000
BVH (80°-90°)	2.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	3187.5	3187.5	3187.5	3187.5	3187.5	3187.5	3187.5	3187.5	3187.5	3187.5	3187.5
2.5°	3112.7	3126.6	3136.8	3143.1	3150.7	3167.2	3172.3	3179.9	3183.7	3183.7	3192.6
5°	2989.6	3004.9	3026.4	3044.2	3079.7	3125.4	3158.3	3171.0	3193.9	3214.2	3225.6
7.5°	2875.5	2893.2	2918.6	2960.5	3021.4	3094.9	3163.4	3181.2	3225.6	3268.7	3290.3
10°	2801.9	2815.9	2848.9	2908.5	2988.4	3091.1	3187.5	3209.1	3285.2	3357.5	3398.1
12.5°	2776.6	2789.2	2823.5	2890.7	2989.6	3110.1	3243.3	3275.0	3386.7	3491.9	3549.0
15°	2813.3	2815.9	2852.7	2916.1	3013.7	3157.1	3335.9	3374.0	3514.8	3651.8	3722.8
17.5°	2955.4	2944.0	2963.0	2990.9	3068.3	3219.2	3433.6	3490.7	3678.4	3839.5	3906.7
20°	3310.6	3310.6	3267.4	3191.3	3192.6	3315.6	3565.5	3630.2	3859.8	4046.2	4107.1
22.5°	3918.1	3906.7	3820.5	3634.0	3462.8	3481.8	3726.6	3810.3	4077.9	4277.1	4297.4
25°	4648.7	4634.8	4501.6	4239.0	3942.2	3750.7	3944.8	4041.2	4338.0	4514.3	4472.4
27.5°	5422.5	5411.0	5279.1	4953.1	4530.8	4179.4	4204.8	4296.1	4603.1	4776.8	4643.7
30°	6172.1	6175.9	6045.2	5710.4	5232.2	4726.1	4534.6	4587.8	4860.6	5036.9	4846.6
32.5°	6884.9	6890.0	6777.1	6402.9	5956.5	5361.6	4991.2	4977.2	5159.9	5333.7	5115.5
35°	7520.4	7533.1	7455.7	7165.3	6692.1	6069.3	5583.5	5550.6	5584.8	5781.4	5527.7
37.5°	8133.1	8140.7	8082.3	7837.5	7441.8	6846.9	6331.9	6285.0	6211.4	6362.4	6071.9
40°	8804.0	8785.0	8717.8	8495.8	8155.9	7705.6	7136.1	7054.9	6926.8	7061.2	6787.3
42.5°	9428.1	9406.5	9418.0	9166.8	8880.1	8588.4	8073.4	7933.9	7859.1	8013.8	7665.0
45°	10208.2	10196.8	10234.8	10016.6	9784.5	9572.7	9147.8	8995.6	8962.6	9144.0	8726.7
47.5°	10978.1	11006.0	11124.0	11031.4	10937.5	10751.1	10285.5	10217.1	10237.3	10456.8	9846.7
50°	11619.9	11652.9	11976.3	12082.9	12218.6	12109.5	11642.7	11600.9	11680.8	11878.7	11051.7
52.5°	12084.2	12151.4	12553.5	13044.3	13539.0	13612.6	13147.1	13109.0	13216.8	13247.3	11982.7
55°	12406.3	12465.9	12921.3	13819.3	14826.5	15143.6	14854.4	14707.2	14686.9	14386.3	12961.9
57.5°	12463.4	12457.1	13111.6	14320.4	15836.1	16654.2	16471.6	16327.0	15910.9	15439.1	14084.4
60°	12141.2	12178.0	12937.8	14494.1	16470.3	17797.1	17811.0	17623.3	16975.1	16462.7	15172.7
62.5°	11149.3	11299.0	12066.4	14038.8	16462.7	18257.5	18792.8	18649.4	17874.4	17301.1	16276.3
65°	9541.0	9594.3	10326.1	12478.6	15350.3	18064.7	19676.9	19623.6	18685.0	18115.4	16843.2
67.5°	6967.4	6852.0	7620.6	9826.4	12996.1	16940.9	20311.1	20378.3	19310.3	18282.9	16239.5
68°	6358.5	6392.8	6991.5	9170.6	12379.7	16543.9	20352.9	20455.7	19372.4	18173.8	15909.7
70°	3790.0	3856.0	4390.0	6314.2	9418.0	14297.5	19901.4	20136.0	19002.1	17048.7	13761.0
72.5°	967.8	1046.4	1551.3	2826.0	5379.3	10073.7	16800.1	17197.1	16498.2	13830.8	9289.8
75°	398.3	418.6	554.3	931.0	2004.1	4538.4	11073.2	11923.1	11437.3	8280.2	4198.4
77.5°	275.2	289.2	356.4	516.2	867.6	1538.6	5428.8	6042.7	5444.0	2826.0	915.8
80°	197.9	209.3	255.0	343.7	498.5	549.2	1769.4	2045.9	1624.8	620.3	227.0
82.5°	118.0	126.8	190.3	244.8	303.2	262.6	440.1	499.8	470.6	308.2	101.5
85°	58.3	68.5	128.1	175.0	163.6	110.4	134.5	149.7	185.2	187.7	54.5
87.5°	3.8	7.6	74.8	105.3	45.7	25.4	39.3	48.2	66.0	92.6	22.8
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°	3187.5	3187.5	3187.5	3187.5	3187.5	3187.5	3187.5	3187.5	3187.5	3187.5	3187.5
2.5°	3196.4	3197.7	3188.8	3185.0	3187.5	3172.3	3166.0	3168.5	3168.5	3172.3	3166.0
5°	3228.1	3228.1	3212.9	3192.6	3181.2	3152.0	3133.0	3127.9	3124.1	3121.6	3116.5
7.5°	3296.6	3289.0	3262.4	3218.0	3179.9	3116.5	3068.3	3042.9	3030.2	3025.2	3021.4
10°	3407.0	3393.0	3348.6	3266.2	3178.6	3065.7	2960.5	2885.6	2823.5	2798.1	2782.9
12.5°	3555.4	3535.1	3460.2	3323.2	3169.8	2961.7	2733.4	2514.0	2309.8	2226.1	2184.2
15°	3726.6	3697.4	3579.5	3371.4	3117.8	2727.1	2231.1	1846.8	1564.0	1457.4	1411.7
17.5°	3900.4	3862.3	3683.5	3401.9	2961.7	2241.3	1565.2	1182.2	993.2	942.4	924.7
20°	4075.4	4019.6	3773.5	3379.0	2609.1	1616.0	1032.5	863.8	809.2	794.0	789.0
22.5°	4241.6	4155.3	3854.7	3290.3	2066.2	1084.5	816.9	763.6	745.8	736.9	734.4
25°	4386.2	4265.7	3925.7	3016.3	1462.5	819.4	735.7	717.9	695.1	678.6	679.9
27.5°	4521.9	4376.0	3968.9	2564.7	975.4	700.2	681.1	657.0	615.2	591.1	591.1
30°	4685.5	4523.2	4000.6	1973.6	717.9	619.0	603.8	567.0	509.9	478.2	478.2
32.5°	4931.6	4746.4	3980.3	1385.1	594.9	544.1	508.6	457.9	395.7	365.3	364.0
35°	5308.3	5091.4	3835.7	908.2	525.1	473.1	416.0	353.9	299.3	274.0	272.7
37.5°	5815.7	5553.1	3511.0	649.4	470.6	407.2	338.7	270.2	229.6	213.1	211.8
40°	6474.0	6089.6	3046.7	526.4	419.8	343.7	261.3	209.3	181.4	168.7	170.0
42.5°	7264.2	6664.2	2489.9	454.1	370.4	282.9	204.2	164.9	147.1	138.3	135.7
45°	8141.9	7231.2	1906.4	404.6	320.9	228.3	159.8	130.6	116.7	111.6	111.6
47.5°	9107.2	7783.0	1395.3	361.5	267.6	176.3	128.1	106.5	95.1	91.3	90.1
50°	9983.7	8166.0	1005.9	315.8	219.4	139.5	104.0	88.8	81.2	76.1	76.1
52.5°	10714.3	8286.5	740.8	266.4	177.6	111.6	86.3	76.1	68.5	64.7	64.7
55°	11357.4	8237.1	550.5	219.4	143.3	91.3	73.6	64.7	58.3	54.5	54.5
57.5°	11973.8	8077.2	411.0	178.8	115.4	73.6	62.2	54.5	48.2	45.7	45.7
60°	12477.4	7810.9	305.7	144.6	92.6	59.6	52.0	44.4	39.3	35.5	35.5
62.5°	12885.8	7516.6	224.5	119.2	73.6	46.9	40.6	36.8	29.2	25.4	25.4
65°	12888.3	7028.3	168.7	98.9	57.1	36.8	30.4	29.2	19.0	15.2	14.0
67.5°	11956.0	6059.2	129.4	85.0	44.4	27.9	22.8	24.1	10.1	6.3	5.1
68°	11617.4	5813.1	121.8	83.7	41.9	26.6	21.6	24.1	8.9	5.1	3.8
70°	9794.7	4624.6	97.7	81.2	36.8	20.3	17.8	24.1	7.6	3.8	2.5
72.5°	6264.7	2684.0	72.3	64.7	27.9	15.2	11.4	21.6	7.6	2.5	1.3
75°	2666.2	832.1	49.5	45.7	16.5	11.4	7.6	14.0	5.1	1.3	0.0
77.5°	561.9	187.7	29.2	27.9	11.4	7.6	5.1	3.8	1.3	0.0	0.0
80°	144.6	54.5	15.2	14.0	6.3	3.8	2.5	0.0	0.0	0.0	0.0
82.5°	45.7	21.6	8.9	6.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	22.8	12.7	5.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.7	3.8	1.3	0.0	0.0	0.0	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)