

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: P322200

Luminaire Tested: **GAN-SA6B-730-U-T3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P322200  
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-SA6B-730-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 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: 22683 lumens  
Efficiency: N/A  
Efficacy: 91.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4

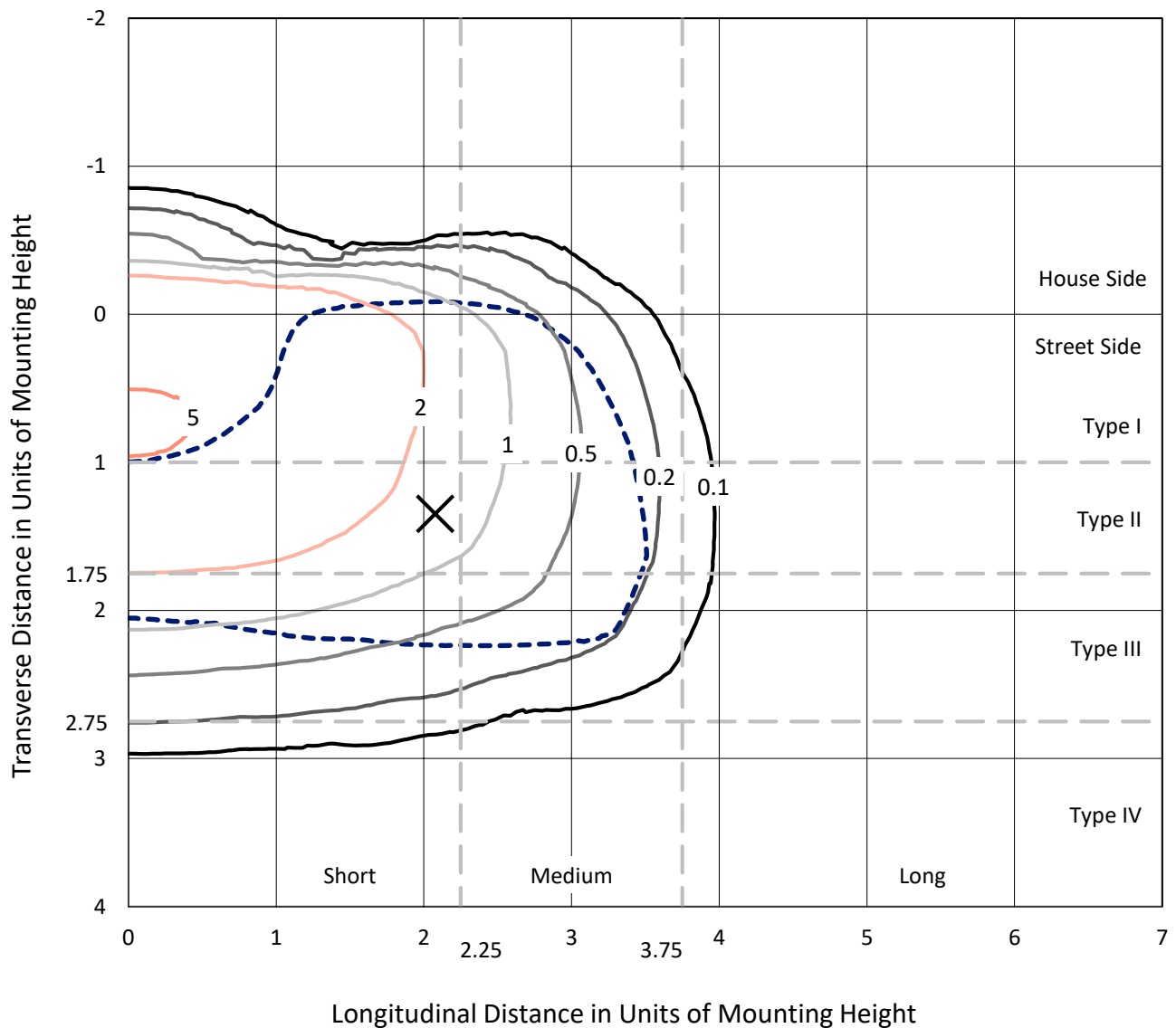
Input Watts (W): 249  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

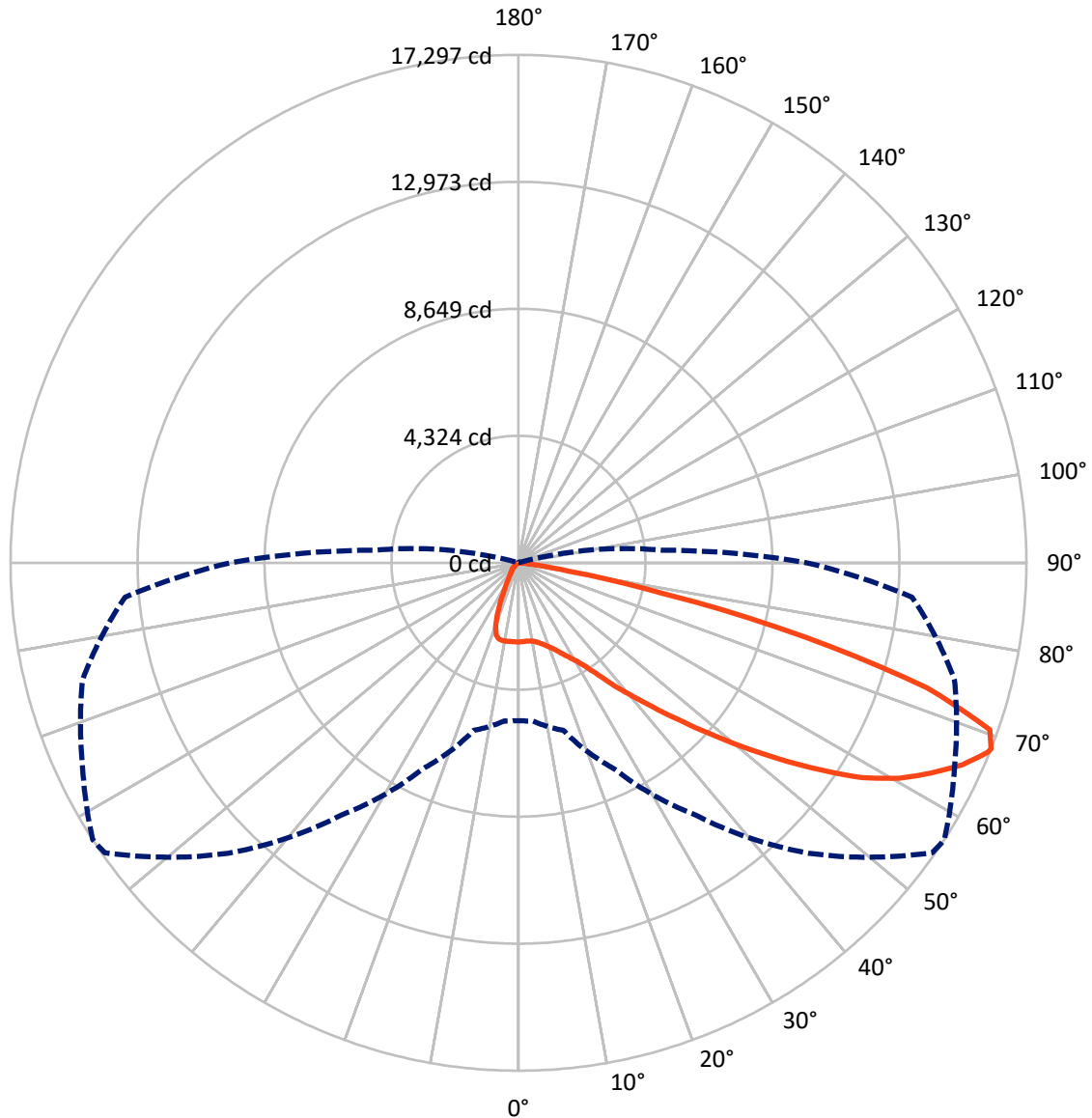
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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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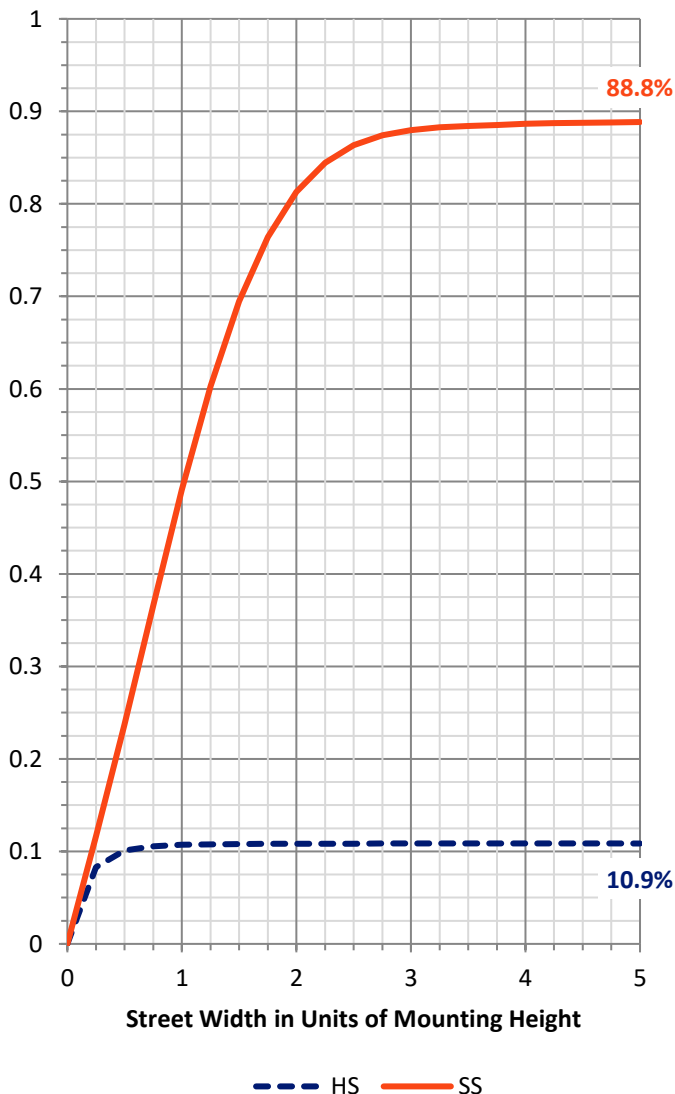
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2487.3	0.0	2487.3
	% Fixture	11.0	0.0	11.0
<b>Street Side</b>	Lumens	20195.7	0.0	20195.7
	% Fixture	89.0	0.0	89.0
<b>Total</b>	Lumens	22683.0	0.0	22683.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	252.2	1.1
10°-20°	699.0	3.1
20°-30°	1205.8	5.3
30°-40°	2081.2	9.2
40°-50°	3559.9	15.7
50°-60°	5695.5	25.1
60°-70°	6580.6	29.0
70°-80°	2514.5	11.1
80°-90°	94.3	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°	22683.0	100.0
0°-180°	22683.0	100.0

**Coefficient of Utilization**



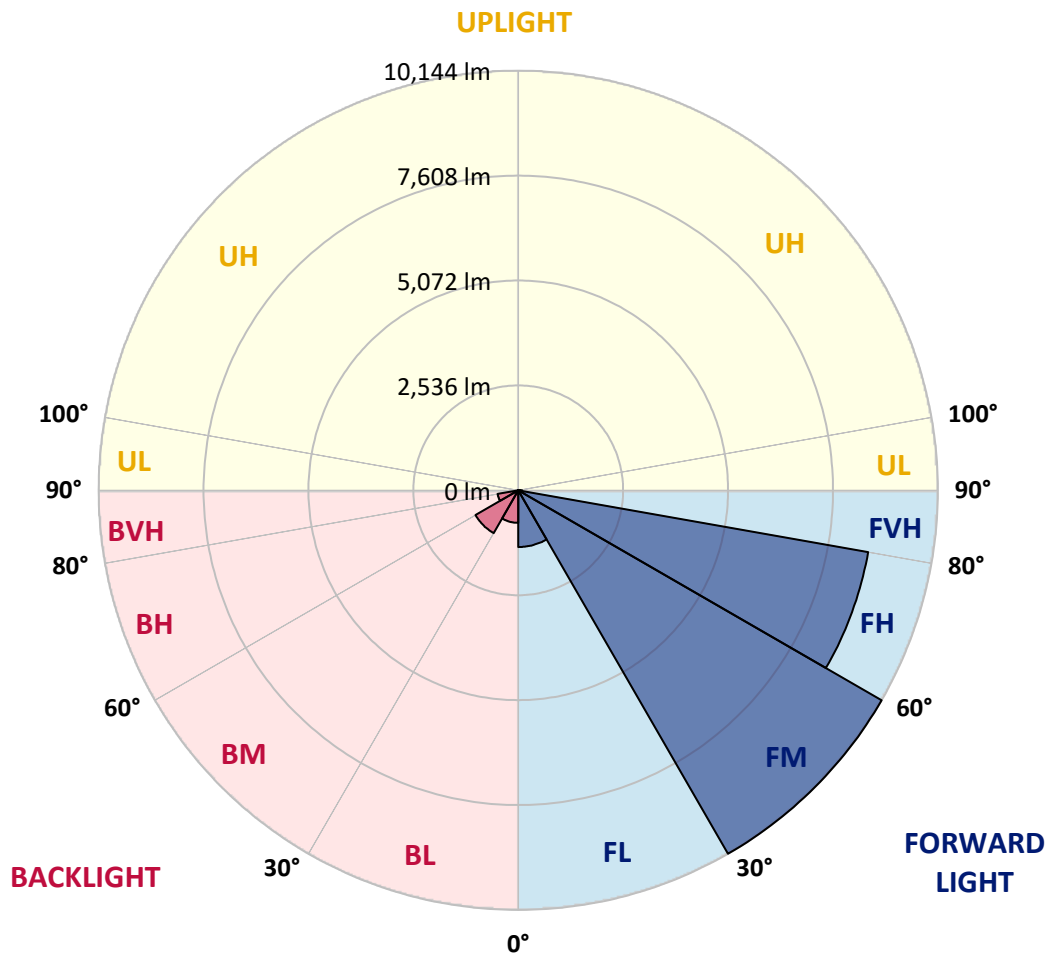
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1371.0	6.0			
FM (30°-60°)	10143.7	44.7			
FH (60°-80°)	8588.5	37.9			G4/12000
FVH (80°-90°)	92.5	0.4			G1/100
BL (0°-30°)	786.1	3.5	B2/1000		
BM (30°-60°)	1193.0	5.3	B2/2500		
BH (60°-80°)	506.6	2.2	B2/1000		G2/1000
BVH (80°-90°)	1.7	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°	2695.3	2695.3	2695.3	2695.3	2695.3	2695.3	2695.3	2695.3	2695.3	2695.3	2695.3
2.5°	2632.1	2643.9	2652.4	2657.8	2664.2	2678.2	2682.5	2688.9	2692.1	2692.1	2699.6
5°	2528.0	2540.9	2559.1	2574.1	2604.2	2642.8	2670.7	2681.4	2700.7	2717.9	2727.5
7.5°	2431.5	2446.5	2468.0	2503.4	2554.8	2617.0	2675.0	2690.0	2727.5	2764.0	2782.2
10°	2369.3	2381.1	2409.0	2459.4	2526.9	2613.8	2695.3	2713.6	2777.9	2839.1	2873.4
12.5°	2347.8	2358.6	2387.5	2444.4	2528.0	2629.9	2742.5	2769.3	2863.7	2952.8	3001.0
15°	2378.9	2381.1	2412.2	2465.8	2548.4	2669.6	2820.8	2853.0	2972.1	3087.9	3148.0
17.5°	2499.1	2489.4	2505.5	2529.1	2594.5	2722.2	2903.4	2951.7	3110.4	3246.6	3303.5
20°	2799.4	2799.4	2762.9	2698.6	2699.6	2803.7	3015.0	3069.7	3263.8	3421.5	3472.9
22.5°	3313.1	3303.5	3230.5	3072.9	2928.1	2944.2	3151.2	3222.0	3448.3	3616.7	3633.8
25°	3930.9	3919.1	3806.5	3584.5	3333.5	3171.6	3335.7	3417.2	3668.1	3817.2	3781.8
27.5°	4585.2	4575.5	4464.0	4188.3	3831.2	3534.1	3555.5	3632.8	3892.3	4039.3	3926.6
30°	5219.1	5222.3	5111.8	4828.7	4424.3	3996.4	3834.4	3879.4	4110.0	4259.1	4098.2
32.5°	5821.8	5826.1	5730.7	5414.3	5036.7	4533.7	4220.5	4208.7	4363.2	4510.1	4325.6
35°	6359.2	6369.9	6304.5	6058.9	5658.8	5132.2	4721.4	4693.5	4722.5	4888.7	4674.2
37.5°	6877.2	6883.7	6834.3	6627.3	6292.7	5789.7	5354.2	5314.5	5252.3	5380.0	5134.3
40°	7444.6	7428.5	7371.7	7184.0	6896.5	6515.8	6034.2	5965.6	5857.2	5970.9	5739.3
42.5°	7972.3	7954.1	7963.7	7751.4	7509.0	7262.3	6826.8	6708.9	6645.6	6776.4	6481.5
45°	8631.9	8622.3	8654.5	8470.0	8273.7	8094.6	7735.3	7606.6	7578.7	7732.1	7379.2
47.5°	9283.0	9306.6	9406.3	9328.0	9248.7	9091.0	8697.4	8639.5	8656.6	8842.2	8326.3
50°	9825.7	9853.6	10127.1	10217.2	10332.0	10239.7	9845.0	9809.6	9877.2	10044.5	9345.2
52.5°	10218.3	10275.1	10615.1	11030.2	11448.5	11510.7	11117.1	11084.9	11176.1	11201.8	10132.5
55°	10490.7	10541.1	10926.1	11685.5	12537.1	12805.3	12560.7	12436.3	12419.1	12165.0	10960.5
57.5°	10539.0	10533.6	11087.0	12109.2	13390.9	14082.7	13928.2	13806.0	13454.2	13055.2	11909.7
60°	10266.5	10297.6	10940.1	12256.1	13927.2	15049.1	15060.9	14902.1	14354.0	13920.7	12829.9
62.5°	9427.8	9554.3	10203.2	11871.1	13920.7	15438.4	15891.0	15769.8	15114.5	14629.7	13763.1
65°	8067.8	8112.8	8731.7	10551.8	12980.1	15275.4	16638.6	16593.5	15799.9	15318.3	14242.5
67.5°	5891.6	5794.0	6443.9	8309.1	10989.4	14325.1	17174.9	17231.7	16328.6	15459.9	13732.0
68°	5376.7	5405.7	5911.9	7754.6	10468.2	13989.4	17210.3	17297.1	16381.2	15367.6	13453.1
70°	3204.8	3260.6	3712.1	5339.2	7963.7	12089.9	16828.4	17026.9	16068.0	14416.3	11636.2
72.5°	818.4	884.9	1311.7	2389.7	4548.7	8518.3	14206.0	14541.7	13950.8	11695.2	7855.4
75°	336.8	353.9	468.7	787.3	1694.6	3837.6	9363.4	10082.0	9671.3	7001.7	3550.2
77.5°	232.7	244.5	301.4	436.5	733.6	1301.0	4590.5	5109.7	4603.4	2389.7	774.4
80°	167.3	177.0	215.6	290.7	421.5	464.4	1496.2	1730.0	1373.9	524.5	192.0
82.5°	99.7	107.3	160.9	207.0	256.3	222.0	372.2	422.6	397.9	260.6	85.8
85°	49.3	57.9	108.3	148.0	138.4	93.3	113.7	126.6	156.6	158.7	46.1
87.5°	3.2	6.4	63.3	89.0	38.6	21.5	33.2	40.8	55.8	78.3	19.3
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°	2695.3	2695.3	2695.3	2695.3	2695.3	2695.3	2695.3	2695.3	2695.3	2695.3	2695.3
2.5°	2702.8	2703.9	2696.4	2693.2	2695.3	2682.5	2677.1	2679.3	2679.3	2682.5	2677.1
5°	2729.7	2729.7	2716.8	2699.6	2690.0	2665.3	2649.2	2644.9	2641.7	2639.6	2635.3
7.5°	2787.6	2781.1	2758.6	2721.1	2688.9	2635.3	2594.5	2573.1	2562.3	2558.1	2554.8
10°	2880.9	2869.1	2831.6	2761.8	2687.8	2592.4	2503.4	2440.1	2387.5	2366.1	2353.2
12.5°	3006.4	2989.2	2925.9	2810.1	2680.3	2504.4	2311.4	2125.8	1953.1	1882.3	1846.9
15°	3151.2	3126.5	3026.8	2850.9	2636.3	2306.0	1886.6	1561.6	1322.5	1232.4	1193.8
17.5°	3298.1	3265.9	3114.7	2876.6	2504.4	1895.2	1323.5	999.6	839.8	796.9	781.9
20°	3446.1	3398.9	3190.9	2857.3	2206.3	1366.4	873.1	730.4	684.3	671.4	667.1
22.5°	3586.6	3513.7	3259.5	2782.2	1747.2	917.0	690.7	645.7	630.7	623.2	621.0
25°	3708.9	3607.0	3319.6	2550.5	1236.7	692.9	622.1	607.1	587.8	573.8	574.9
27.5°	3823.7	3700.3	3356.0	2168.7	824.8	592.1	576.0	555.6	520.2	499.8	499.8
30°	3962.0	3824.7	3382.8	1668.9	607.1	523.4	510.5	479.4	431.2	404.4	404.4
32.5°	4170.1	4013.5	3365.7	1171.2	503.0	460.1	430.1	387.2	334.6	308.9	307.8
35°	4488.7	4305.2	3243.4	768.0	444.0	400.1	351.8	299.2	253.1	231.7	230.6
37.5°	4917.7	4695.7	2968.8	549.1	397.9	344.3	286.4	228.5	194.1	180.2	179.1
40°	5474.3	5149.4	2576.3	445.1	355.0	290.7	220.9	177.0	153.4	142.7	143.7
42.5°	6142.5	5635.2	2105.4	384.0	313.2	239.2	172.7	139.4	124.4	116.9	114.8
45°	6884.8	6114.7	1612.1	342.1	271.4	193.1	135.1	110.5	98.7	94.4	94.4
47.5°	7701.0	6581.2	1179.8	305.7	226.3	149.1	108.3	90.1	80.4	77.2	76.2
50°	8442.1	6905.1	850.5	267.1	185.6	118.0	87.9	75.1	68.6	64.4	64.4
52.5°	9059.9	7007.0	626.4	225.2	150.2	94.4	72.9	64.4	57.9	54.7	54.7
55°	9603.7	6965.2	465.5	185.6	121.2	77.2	62.2	54.7	49.3	46.1	46.1
57.5°	10124.9	6830.0	347.5	151.2	97.6	62.2	52.6	46.1	40.8	38.6	38.6
60°	10550.8	6604.8	258.5	122.3	78.3	50.4	44.0	37.5	33.2	30.0	30.0
62.5°	10896.1	6356.0	189.8	100.8	62.2	39.7	34.3	31.1	24.7	21.5	21.5
65°	10898.3	5943.0	142.7	83.7	48.3	31.1	25.7	24.7	16.1	12.9	11.8
67.5°	10109.9	5123.6	109.4	71.9	37.5	23.6	19.3	20.4	8.6	5.4	4.3
68°	9823.6	4915.5	103.0	70.8	35.4	22.5	18.2	20.4	7.5	4.3	3.2
70°	8282.3	3910.5	82.6	68.6	31.1	17.2	15.0	20.4	6.4	3.2	2.1
72.5°	5297.4	2269.5	61.1	54.7	23.6	12.9	9.7	18.2	6.4	2.1	1.1
75°	2254.5	703.6	41.8	38.6	13.9	9.7	6.4	11.8	4.3	1.1	0.0
77.5°	475.1	158.7	24.7	23.6	9.7	6.4	4.3	3.2	1.1	0.0	0.0
80°	122.3	46.1	12.9	11.8	5.4	3.2	2.1	0.0	0.0	0.0	0.0
82.5°	38.6	18.2	7.5	5.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	19.3	10.7	4.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.7	3.2	1.1	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)