

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: P553562

Luminaire Tested: **VERD-G-CA2-150-730-U-T3-HSS**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553562  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/12/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-G-CA2-150-730-U-T3-HSS  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 3000K, 1380mA LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

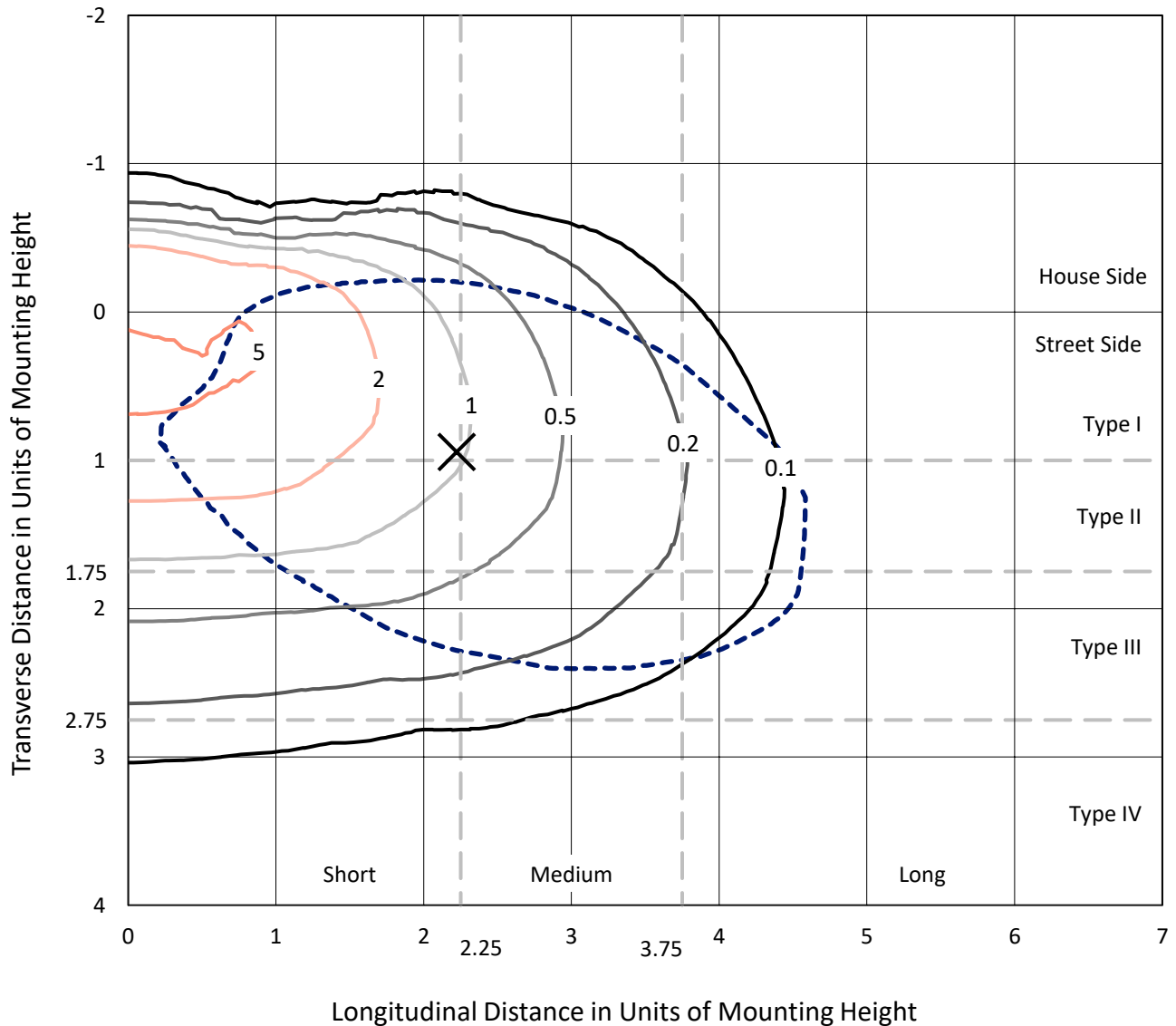
Lumens per Lamp: N/A  
Luminaire Lumens: 19646 lumens  
Efficiency: N/A  
Efficacy: 129.1 lumens/watt  
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 152.2  
Input Voltage (V): NR  
Input Current (Ain): 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

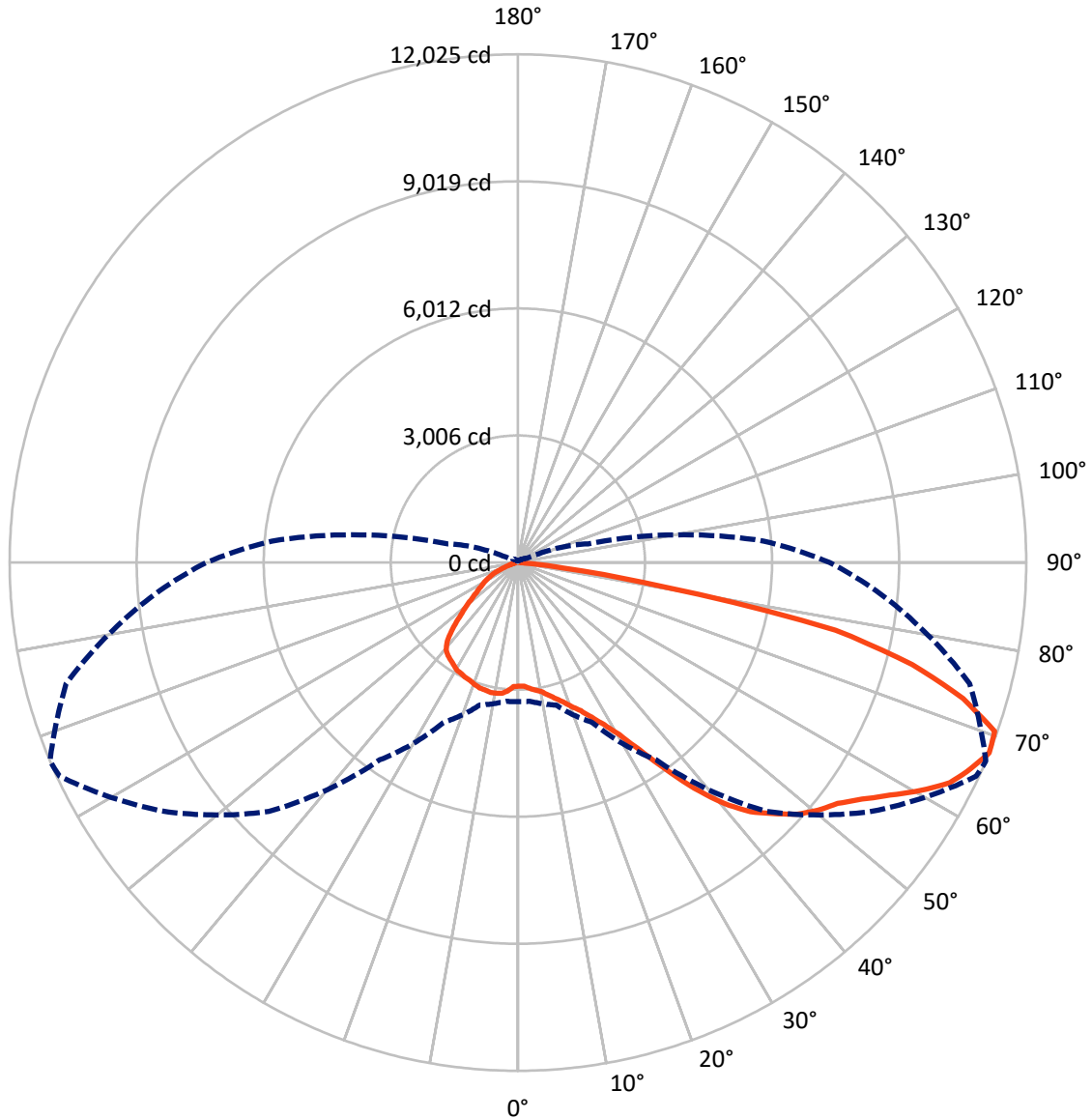
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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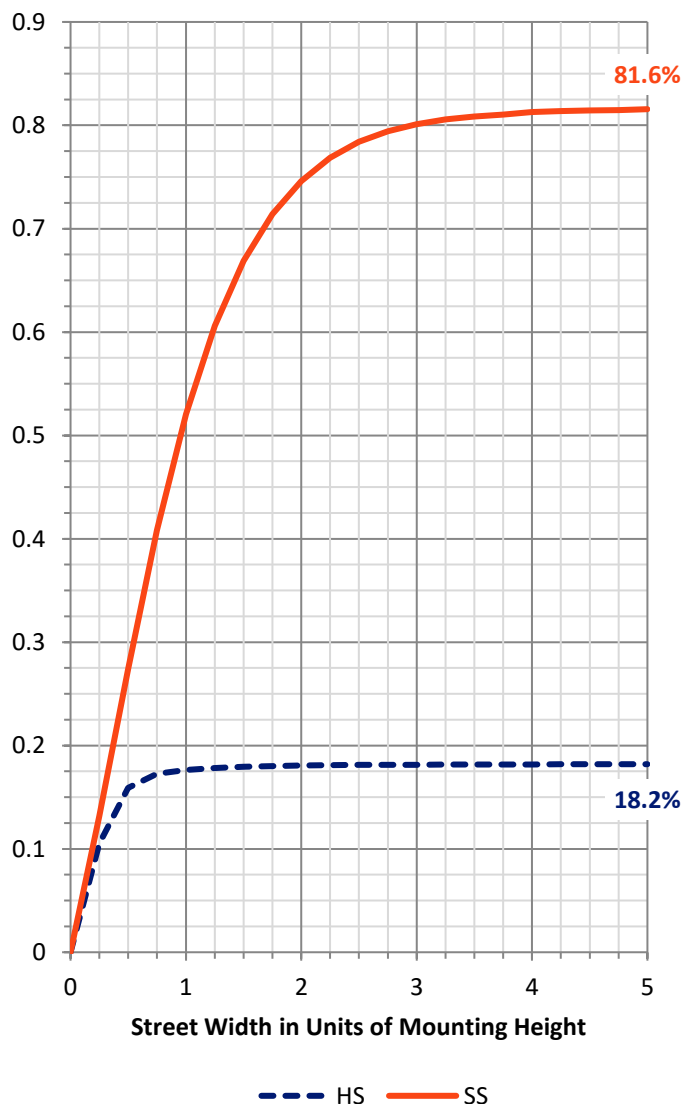
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3616.1	0.0	3616.1
	% Fixture	18.4	0.0	18.4
<b>Street Side</b>	Lumens	16029.9	0.0	16029.9
	% Fixture	81.6	0.0	81.6
<b>Total</b>	Lumens	19646.0	0.0	19646.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	294.1	1.5
10°-20°	919.6	4.7
20°-30°	1567.8	8.0
30°-40°	2391.3	12.2
40°-50°	3371.0	17.2
50°-60°	4074.6	20.7
60°-70°	4291.3	21.8
70°-80°	2552.8	13.0
80°-90°	183.5	0.9
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°	19646.0	100.0
0°-180°	19646.0	100.0

**Coefficient of Utilization**



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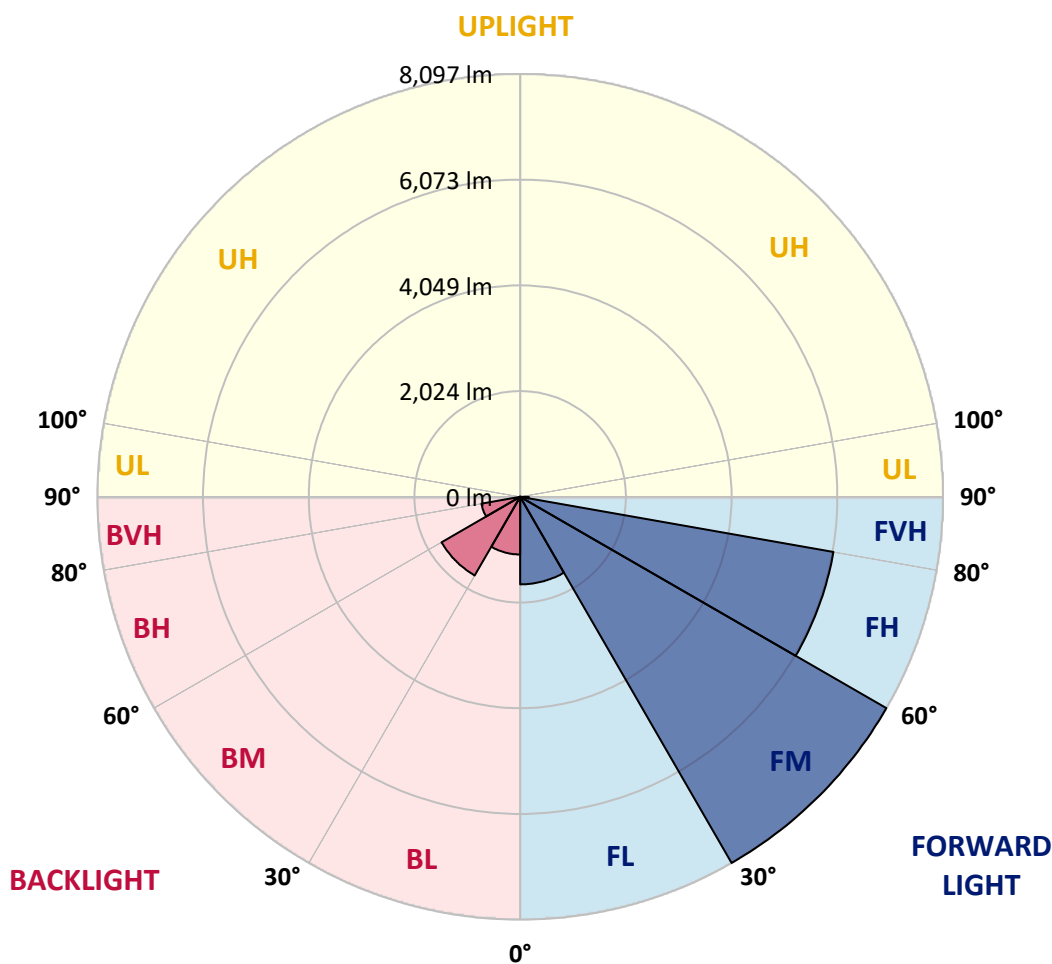
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1677.2	8.5			
FM (30°-60°)	8097.2	41.2			
FH (60°-80°)	6091.3	31.0			G3/7500
FVH (80°-90°)	164.2	0.8			G2/225
BL (0°-30°)	1104.3	5.6	B3/2500		
BM (30°-60°)	1739.7	8.9	B2/2500		
BH (60°-80°)	752.8	3.8	B2/1000		G2/1000
BVH (80°-90°)	19.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2924.7	2924.7	2924.7	2924.7	2924.7	2924.7	2924.7	2924.7	2924.7	2924.7	2924.7
2.5°	2986.5	2997.8	2975.3	2969.6	2940.1	2944.3	2938.7	2924.7	2930.3	2919.0	2926.1
5°	3101.8	3072.2	3063.8	3046.9	3020.2	3004.8	2982.3	2975.3	2990.7	2978.1	2980.9
7.5°	3224.0	3229.6	3191.7	3159.4	3111.6	3100.3	3061.0	3037.1	3052.6	3035.7	3045.5
10°	3377.2	3385.6	3344.9	3301.3	3260.6	3201.5	3152.3	3114.4	3110.2	3101.8	3115.8
12.5°	3578.2	3576.8	3531.8	3478.4	3398.3	3357.5	3263.4	3210.0	3217.0	3186.1	3183.3
15°	3811.5	3791.8	3739.8	3685.0	3585.2	3505.1	3391.3	3325.2	3336.5	3301.3	3292.9
17.5°	4039.2	4019.5	3978.7	3918.3	3826.9	3703.3	3564.1	3468.6	3465.8	3448.9	3398.3
20°	4272.5	4280.9	4226.1	4171.3	4079.9	3914.1	3756.7	3633.0	3635.8	3606.3	3507.9
22.5°	4545.1	4529.7	4463.6	4438.3	4334.3	4153.0	3977.3	3835.4	3807.3	3801.6	3631.6
25°	4805.1	4795.3	4734.8	4705.3	4618.2	4452.4	4224.7	4054.6	4050.4	4032.1	3791.8
27.5°	5011.7	5023.0	5017.3	4996.3	4900.7	4737.7	4538.1	4334.3	4337.1	4310.4	3999.8
30°	5305.4	5271.7	5259.1	5275.9	5267.5	5091.8	4879.6	4732.0	4722.2	4653.3	4262.6
32.5°	5476.9	5493.8	5510.6	5569.7	5571.1	5440.4	5302.6	5232.4	5271.7	5283.0	4916.1
35°	5634.3	5634.3	5731.3	5880.3	5932.3	5887.3	5828.3	5916.8	5994.1	6150.1	5720.0
37.5°	5774.9	5815.6	5907.0	6093.9	6263.9	6307.5	6436.8	6679.9	6774.1	6916.0	6397.4
40°	5892.9	5922.4	6039.1	6268.2	6560.5	6760.0	7001.8	7388.3	7486.6	7459.9	6774.1
42.5°	5762.2	5810.0	5996.9	6467.7	6835.9	7211.2	7527.4	7944.8	8064.3	7816.9	7170.4
45°	5691.9	5710.2	5905.6	6439.6	7038.3	7667.9	8026.3	8473.2	8473.2	8196.4	7450.1
47.5°	5551.4	5583.7	5815.6	6403.1	7253.3	8048.8	8411.4	8866.8	8896.3	8554.8	7728.4
50°	5409.4	5450.2	5713.0	6338.4	7374.2	8431.1	8738.9	9195.6	9206.9	8800.7	7974.3
52.5°	5268.9	5290.0	5583.7	6296.3	7507.7	8627.8	9021.4	9462.7	9468.3	9168.9	8245.6
55°	5017.3	5069.3	5372.9	6141.7	7500.7	8717.8	9168.9	9819.6	9874.4	9569.5	8512.6
57.5°	4781.2	4796.7	5128.4	5918.2	7386.9	8821.8	9486.6	10331.2	10384.6	9933.5	8710.8
60°	4466.4	4483.3	4840.2	5652.6	7218.2	8925.8	9889.9	10928.5	10952.4	10315.7	8859.7
62.5°	4137.5	4195.2	4488.9	5245.0	6868.3	8944.1	10231.4	11479.4	11469.6	10647.4	8958.1
65°	3751.1	3772.1	4054.6	4768.6	6332.8	8804.9	10372.0	11746.5	11770.4	10880.7	8893.5
67.5°	3287.3	3295.7	3489.6	4175.5	5699.0	8325.7	10255.3	11964.3	12024.7	11063.4	8623.6
70°	2597.2	2609.9	2788.3	3440.5	4799.5	7592.1	10058.6	11989.6	11964.3	10899.0	8213.2
72.5°	1810.2	1791.9	1966.2	2413.1	3634.4	6244.3	9108.5	10969.3	11014.2	10083.9	7354.5
75°	867.1	872.8	1218.5	1484.1	2040.7	4460.8	7580.8	9445.8	9634.1	8788.1	5991.3
77.5°	147.6	150.4	321.8	584.7	822.2	1872.0	5027.2	7523.2	7683.4	6897.8	4056.0
80°	118.1	118.1	157.4	314.8	435.7	775.8	1904.3	3335.1	3509.3	3124.2	1495.4
82.5°	80.1	84.3	112.4	184.1	154.6	303.6	691.5	1055.5	1083.6	982.4	614.2
85°	45.0	46.4	57.6	74.5	64.6	112.4	141.9	144.8	153.2	119.5	91.4
87.5°	5.6	12.6	12.6	12.6	5.6	5.6	4.2	4.2	5.6	4.2	4.2
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°	2924.7	2924.7	2924.7	2924.7	2924.7	2924.7	2924.7	2924.7	2924.7	2924.7	2924.7
2.5°	2921.9	2905.0	2941.5	2934.5	2959.8	2955.6	2976.7	2987.9	3011.8	3042.7	3039.9
5°	2983.7	2982.3	3025.9	3046.9	3069.4	3090.5	3091.9	3113.0	3134.1	3180.5	3179.0
7.5°	3042.7	3055.4	3117.2	3118.6	3127.0	3142.5	3121.4	3128.5	3134.1	3150.9	3156.6
10°	3111.6	3135.5	3136.9	3131.3	3104.6	3103.2	3055.4	3061.0	3035.7	3055.4	3045.5
12.5°	3200.1	3180.5	3169.2	3131.3	3090.5	3035.7	2990.7	2928.9	2914.8	2914.8	2919.0
15°	3287.3	3257.8	3160.8	3100.3	3025.9	2938.7	2865.6	2795.4	2760.2	2744.8	2742.0
17.5°	3363.2	3301.3	3163.6	3084.9	2944.3	2816.5	2706.8	2594.4	2539.6	2504.4	2498.8
20°	3425.0	3358.9	3172.0	3034.3	2855.8	2667.5	2501.6	2359.7	2251.5	2171.4	2179.8
22.5°	3529.0	3423.6	3166.4	2973.9	2753.2	2508.7	2258.5	2063.1	1881.9	1836.9	1849.5
25°	3654.1	3516.3	3198.7	2937.3	2633.7	2309.1	1980.2	1754.0	1560.0	1498.2	1502.4
27.5°	3798.8	3628.8	3235.3	2876.9	2510.1	2063.1	1666.8	1387.1	1232.5	1110.3	1100.4
30°	4029.3	3782.0	3274.6	2837.5	2337.2	1789.1	1325.3	1034.4	840.4	774.4	774.4
32.5°	4570.4	4092.6	3337.9	2743.4	2109.5	1482.7	966.9	677.4	505.9	446.9	448.3
35°	5257.7	4719.4	3481.2	2628.1	1841.1	1124.3	597.3	376.7	296.5	267.0	264.2
37.5°	5914.0	5295.6	3787.6	2493.2	1502.4	712.5	335.9	231.9	202.4	201.0	202.4
40°	6318.7	5751.0	4095.4	2313.3	1097.6	392.1	217.8	189.7	185.5	181.3	181.3
42.5°	6692.6	6064.4	4328.7	2037.9	654.9	237.5	191.1	172.9	170.1	163.0	163.0
45°	6996.2	6289.2	4346.9	1671.0	347.1	210.8	175.7	157.4	151.8	147.6	146.2
47.5°	7284.3	6508.5	4280.9	1280.3	247.4	195.4	164.4	144.8	137.7	140.5	139.1
50°	7478.2	6727.7	4101.0	1006.3	236.1	181.3	151.8	132.1	129.3	134.9	133.5
52.5°	7687.6	6907.6	3751.1	782.8	219.2	167.2	139.1	123.7	118.1	122.3	123.7
55°	7853.5	6904.8	3493.9	611.4	208.0	156.0	130.7	116.6	106.8	106.8	105.4
57.5°	7935.0	6838.8	3287.3	480.7	195.4	144.8	122.3	102.6	91.4	88.5	87.1
60°	7930.8	6774.1	3046.9	394.9	182.7	132.1	109.6	87.1	75.9	70.3	70.3
62.5°	7885.8	6622.3	2666.1	340.1	170.1	122.3	91.4	71.7	63.2	57.6	59.0
65°	7770.5	6330.0	2198.1	289.5	157.4	118.1	77.3	63.2	54.8	49.2	49.2
67.5°	7371.4	5839.5	1714.6	243.1	144.8	98.4	67.5	53.4	46.4	40.8	40.8
70°	6806.4	5091.8	1128.5	205.2	129.3	85.7	60.4	46.4	39.4	33.7	32.3
72.5°	5801.6	4068.7	573.4	175.7	111.0	75.9	53.4	40.8	33.7	28.1	26.7
75°	4449.5	2740.6	357.0	140.5	87.1	67.5	47.8	36.5	28.1	21.1	19.7
77.5°	2653.4	1103.3	253.0	98.4	59.0	53.4	39.4	29.5	22.5	15.5	15.5
80°	837.6	487.7	171.5	67.5	37.9	36.5	29.5	21.1	15.5	11.2	11.2
82.5°	473.6	309.2	115.2	45.0	26.7	23.9	16.9	12.6	9.8	8.4	8.4
85°	78.7	61.8	35.1	16.9	12.6	11.2	7.0	4.2	2.8	1.4	2.8
87.5°	4.2	4.2	5.6	5.6	5.6	4.2	2.8	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)