

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: P553594

Luminaire Tested: **VERD-G-CA2-160-722-U-T3-HSS**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553594  
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-CA2-160-722-U-T3-HSS  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 2200K, 1460mA LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17144 lumens  
Efficiency: N/A  
Efficacy: 105.4 lumens/watt  
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

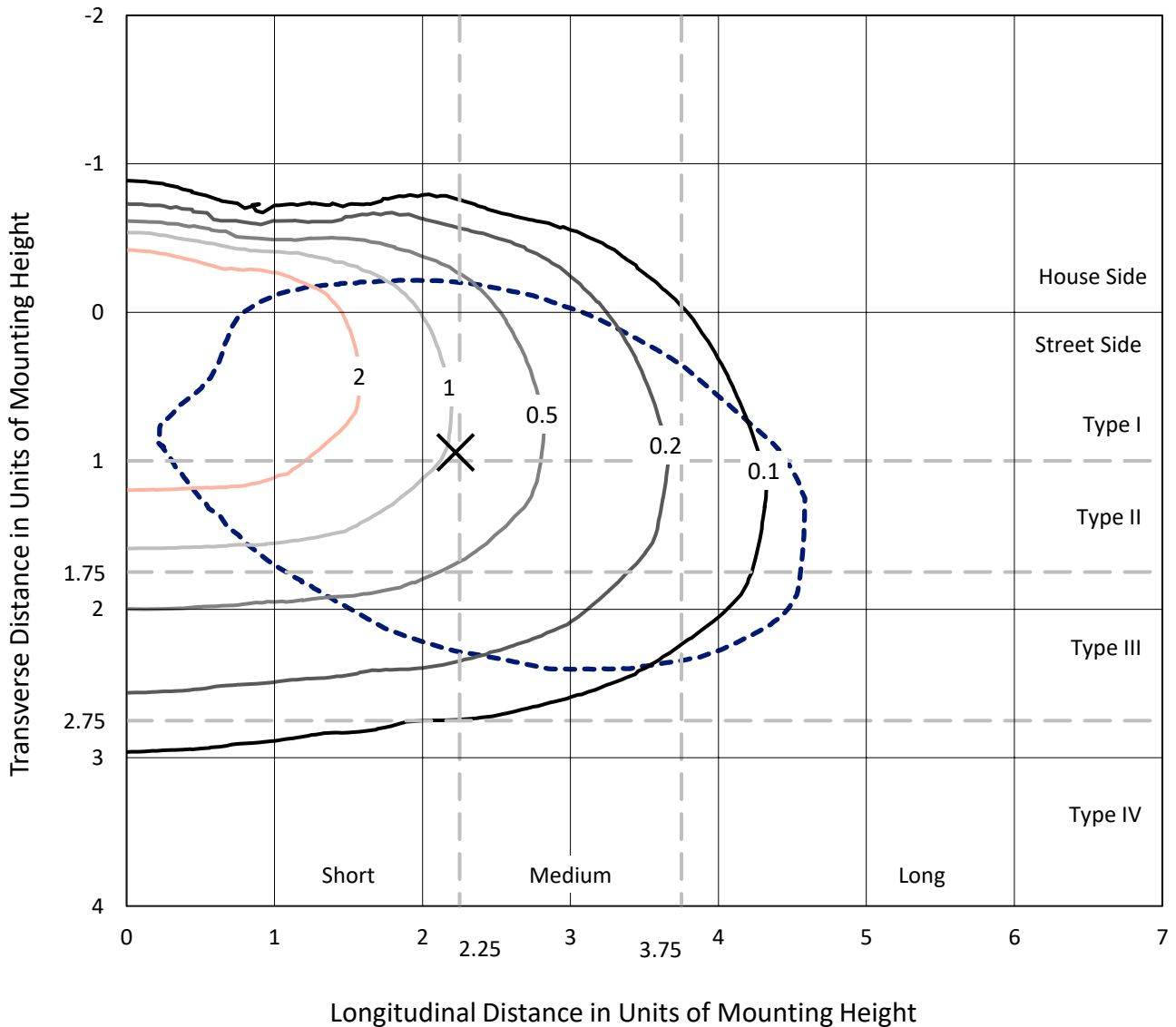
Input Watts (W): 162.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

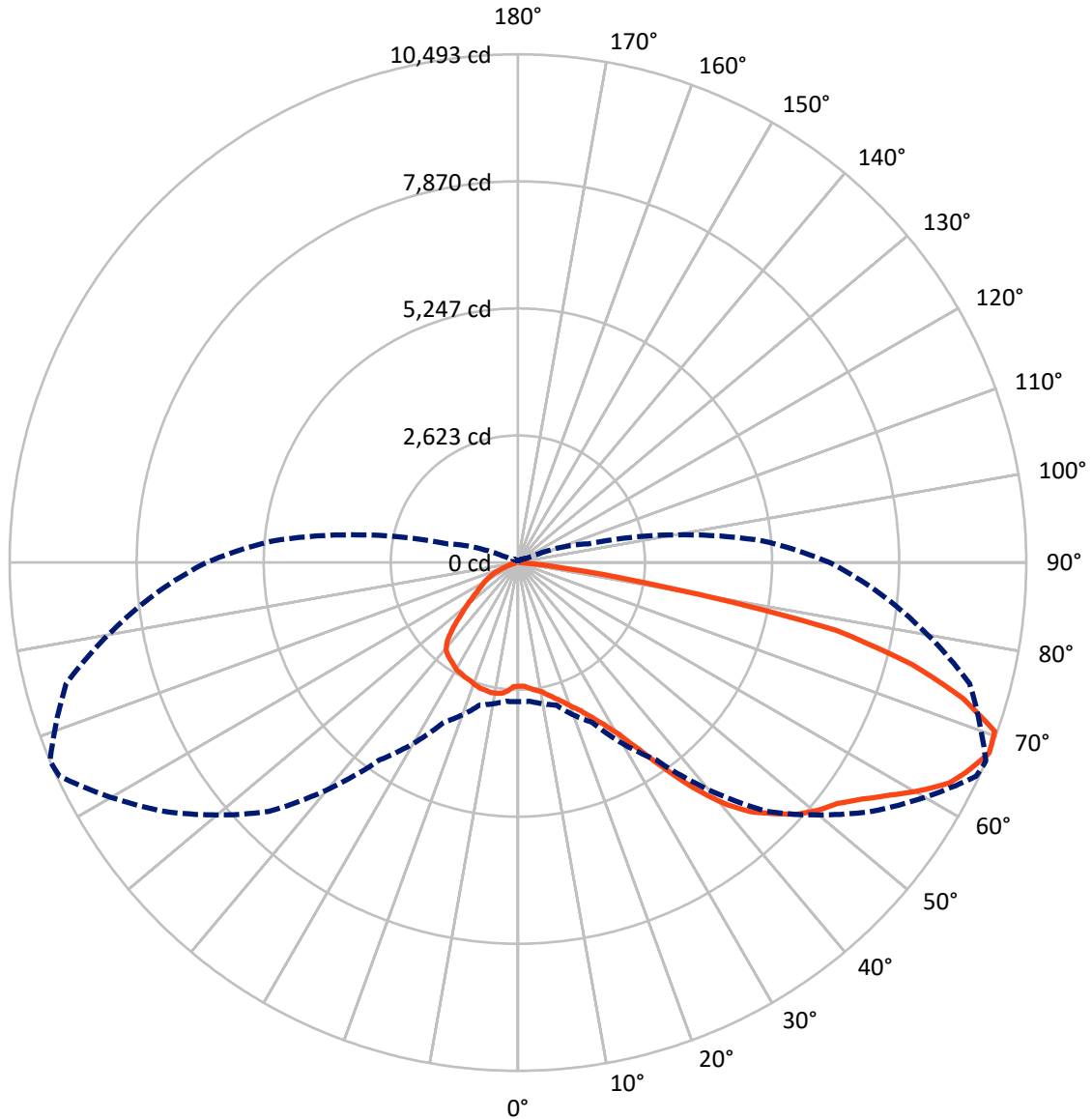
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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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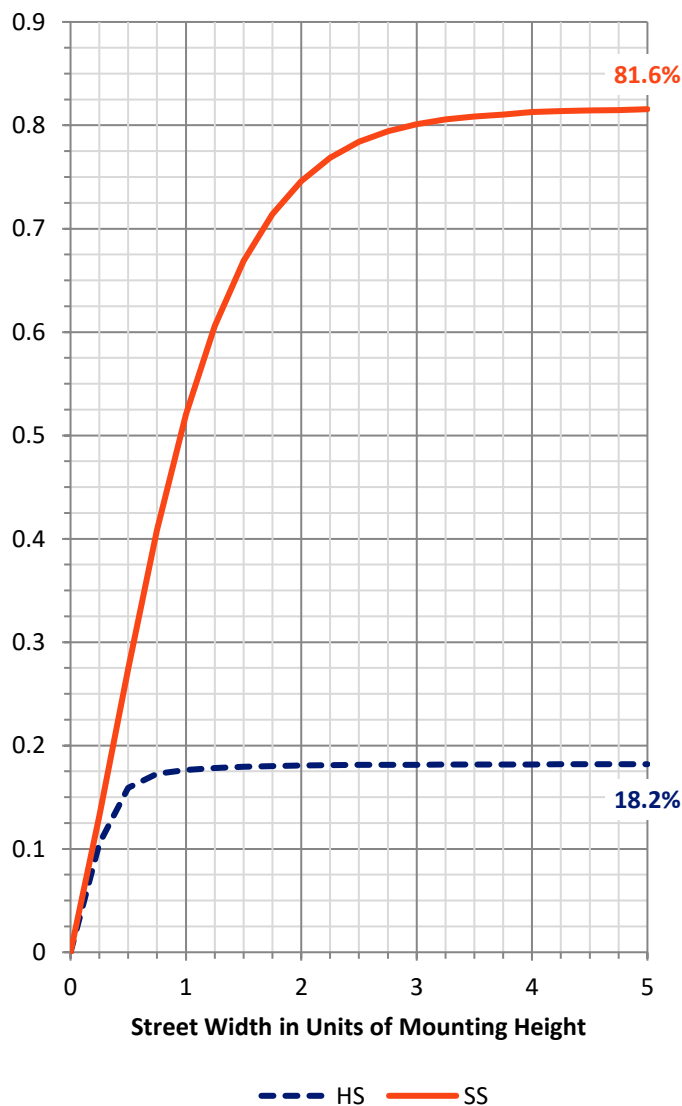
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3155.5	0.0	3155.5
	% Fixture	18.4	0.0	18.4
<b>Street Side</b>	Lumens	13988.5	0.0	13988.5
	% Fixture	81.6	0.0	81.6
<b>Total</b>	Lumens	17144.0	0.0	17144.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.7	1.5
10°-20°	802.5	4.7
20°-30°	1368.1	8.0
30°-40°	2086.7	12.2
40°-50°	2941.7	17.2
50°-60°	3555.7	20.7
60°-70°	3744.8	21.8
70°-80°	2227.7	13.0
80°-90°	160.1	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°	17144.0	100.0
0°-180°	17144.0	100.0

**Coefficient of Utilization**



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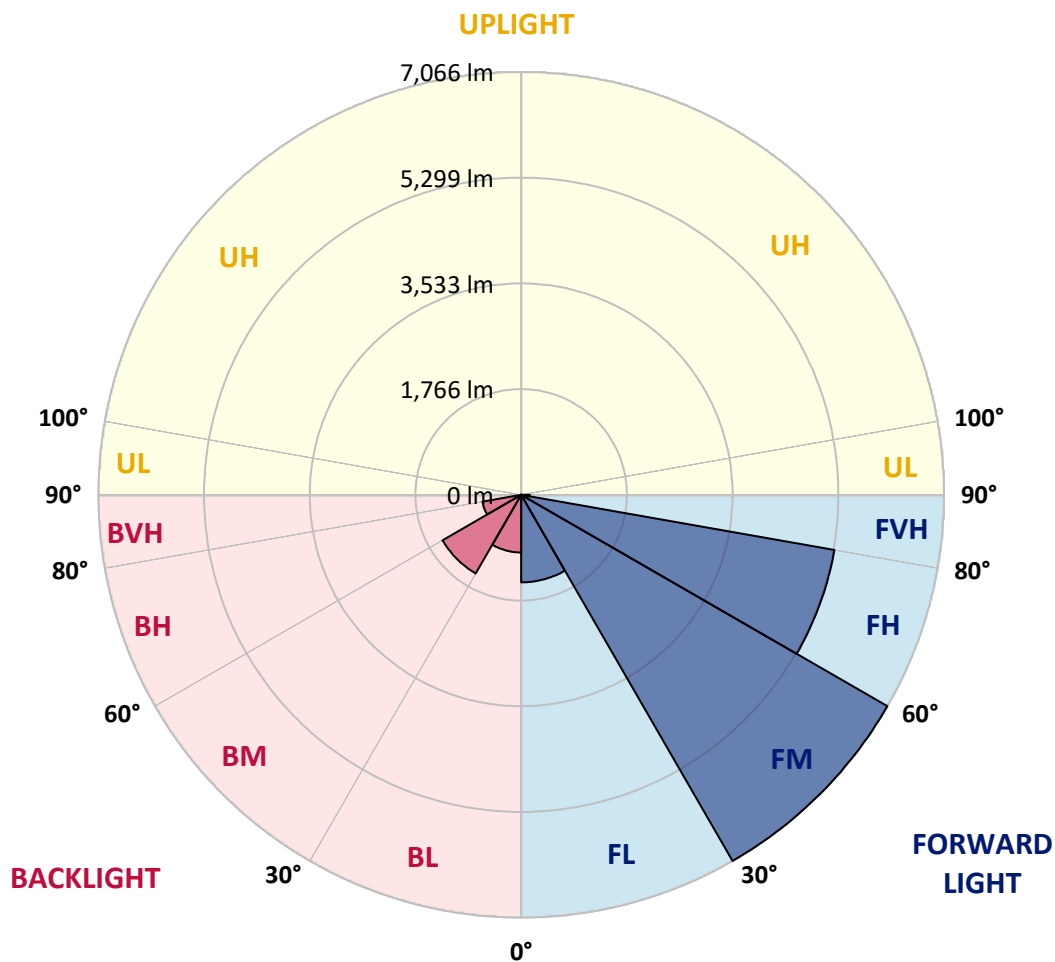
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1463.6	8.5			
FM (30°-60°)	7066.0	41.2			
FH (60°-80°)	5315.5	31.0			G3/7500
FVH (80°-90°)	143.3	0.8			G2/225
BL (0°-30°)	963.7	5.6	B2/1000		
BM (30°-60°)	1518.1	8.9	B2/2500		
BH (60°-80°)	656.9	3.8	B2/1000		G2/1000
BVH (80°-90°)	16.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2552.2	2552.2	2552.2	2552.2	2552.2	2552.2	2552.2	2552.2	2552.2	2552.2	2552.2
2.5°	2606.2	2616.0	2596.4	2591.4	2565.7	2569.4	2564.5	2552.2	2557.1	2547.3	2553.4
5°	2706.7	2681.0	2673.6	2658.9	2635.6	2622.1	2602.5	2596.4	2609.8	2598.8	2601.3
7.5°	2813.4	2818.3	2785.2	2757.0	2715.3	2705.5	2671.2	2650.3	2663.8	2649.1	2657.7
10°	2947.1	2954.5	2918.9	2880.9	2845.3	2793.8	2750.9	2717.8	2714.1	2706.7	2719.0
12.5°	3122.5	3121.3	3082.0	3035.4	2965.5	2929.9	2847.8	2801.2	2807.3	2780.3	2777.9
15°	3326.1	3308.9	3263.5	3215.7	3128.6	3058.7	2959.4	2901.7	2911.5	2880.9	2873.5
17.5°	3524.8	3507.6	3472.0	3419.3	3339.6	3231.6	3110.2	3026.8	3024.4	3009.7	2965.5
20°	3728.3	3735.7	3687.9	3640.0	3560.3	3415.6	3278.2	3170.3	3172.8	3147.0	3061.2
22.5°	3966.3	3952.8	3895.1	3873.1	3782.3	3624.1	3470.8	3346.9	3322.4	3317.5	3169.1
25°	4193.2	4184.6	4131.8	4106.1	4030.0	3885.3	3686.6	3538.2	3534.6	3518.6	3308.9
27.5°	4373.4	4383.3	4378.4	4360.0	4276.6	4134.3	3960.1	3782.3	3784.8	3761.5	3490.4
30°	4629.8	4600.3	4589.3	4604.0	4596.7	4443.4	4258.2	4129.4	4120.8	4060.7	3719.8
32.5°	4779.4	4794.1	4808.8	4860.3	4861.6	4747.5	4627.3	4566.0	4600.3	4610.1	4290.1
35°	4916.8	4916.8	5001.4	5131.4	5176.8	5137.5	5086.0	5163.3	5230.7	5366.9	4991.6
37.5°	5039.4	5075.0	5154.7	5317.8	5466.2	5504.2	5617.0	5829.2	5911.4	6035.3	5582.7
40°	5142.4	5168.2	5270.0	5469.9	5725.0	5899.1	6110.1	6447.3	6533.2	6509.9	5911.4
42.5°	5028.4	5070.1	5233.2	5644.0	5965.4	6292.8	6568.8	6933.0	7037.3	6821.4	6257.2
45°	4967.0	4983.0	5153.5	5619.5	6142.0	6691.4	7004.1	7394.1	7394.1	7152.5	6501.3
47.5°	4844.4	4872.6	5075.0	5587.6	6329.6	7023.8	7340.2	7737.5	7763.3	7465.3	6744.1
50°	4720.5	4756.1	4985.4	5531.2	6435.1	7357.4	7625.9	8024.5	8034.3	7679.9	6958.8
52.5°	4597.9	4616.3	4872.6	5494.4	6551.6	7529.1	7872.5	8257.6	8262.5	8001.2	7195.5
55°	4378.4	4423.7	4688.6	5359.5	6545.5	7607.5	8001.2	8569.1	8616.9	8350.8	7428.5
57.5°	4172.3	4185.8	4475.2	5164.5	6446.1	7698.3	8278.4	9015.5	9062.1	8668.4	7601.4
60°	3897.6	3912.3	4223.8	4932.7	6298.9	7789.1	8630.4	9536.7	9557.6	9002.0	7731.4
62.5°	3610.6	3660.9	3917.2	4577.0	5993.6	7805.0	8928.4	10017.5	10008.9	9291.4	7817.3
65°	3273.3	3291.7	3538.2	4161.3	5526.3	7683.6	9051.1	10250.5	10271.3	9495.0	7760.8
67.5°	2868.6	2876.0	3045.2	3643.7	4973.2	7265.4	8949.3	10440.6	10493.3	9654.5	7525.4
70°	2266.4	2277.5	2433.2	3002.3	4188.3	6625.2	8777.6	10462.7	10440.6	9511.0	7167.3
72.5°	1579.6	1563.7	1715.8	2105.8	3171.5	5449.0	7948.5	9572.3	9611.5	8799.6	6417.9
75°	756.7	761.6	1063.3	1295.1	1780.8	3892.7	6615.4	8242.8	8407.2	7668.9	5228.3
77.5°	128.8	131.2	280.9	510.2	717.5	1633.6	4386.9	6565.1	6704.9	6019.3	3539.5
80°	103.0	103.0	137.4	274.7	380.2	677.0	1661.8	2910.3	3062.4	2726.4	1304.9
82.5°	69.9	73.6	98.1	160.7	134.9	264.9	603.4	921.0	945.6	857.3	535.9
85°	39.2	40.5	50.3	65.0	56.4	98.1	123.9	126.3	133.7	104.2	79.7
87.5°	4.9	11.0	11.0	11.0	4.9	4.9	3.7	3.7	4.9	3.7	3.7
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°	2552.2	2552.2	2552.2	2552.2	2552.2	2552.2	2552.2	2552.2	2552.2	2552.2	2552.2
2.5°	2549.7	2535.0	2566.9	2560.8	2582.9	2579.2	2597.6	2607.4	2628.2	2655.2	2652.8
5°	2603.7	2602.5	2640.5	2658.9	2678.5	2696.9	2698.1	2716.5	2734.9	2775.4	2774.2
7.5°	2655.2	2666.3	2720.2	2721.4	2728.8	2742.3	2723.9	2730.0	2734.9	2749.7	2754.6
10°	2715.3	2736.2	2737.4	2732.5	2709.2	2708.0	2666.3	2671.2	2649.1	2666.3	2657.7
12.5°	2792.6	2775.4	2765.6	2732.5	2696.9	2649.1	2609.8	2555.9	2543.6	2543.6	2547.3
15°	2868.6	2842.9	2758.2	2705.5	2640.5	2564.5	2500.7	2439.4	2408.7	2395.2	2392.8
17.5°	2934.8	2880.9	2760.7	2692.0	2569.4	2457.8	2362.1	2264.0	2216.2	2185.5	2180.6
20°	2988.8	2931.2	2768.1	2647.9	2492.1	2327.8	2183.0	2059.2	1964.7	1894.8	1902.2
22.5°	3079.6	2987.6	2763.1	2595.1	2402.6	2189.2	1970.9	1800.4	1642.2	1602.9	1614.0
25°	3188.7	3068.5	2791.4	2563.2	2298.3	2015.0	1728.0	1530.6	1361.3	1307.4	1311.1
27.5°	3315.0	3166.6	2823.2	2510.5	2190.4	1800.4	1454.5	1210.5	1075.6	968.9	960.3
30°	3516.2	3300.3	2857.6	2476.2	2039.6	1561.2	1156.5	902.7	733.4	675.8	675.8
32.5°	3988.3	3571.4	2912.8	2394.0	1840.9	1293.9	843.8	591.1	441.5	390.0	391.2
35°	4588.1	4118.4	3037.9	2293.4	1606.6	981.1	521.2	328.7	258.8	233.0	230.6
37.5°	5160.8	4621.2	3305.2	2175.7	1311.1	621.8	293.1	202.4	176.6	175.4	176.6
40°	5514.0	5018.6	3573.8	2018.7	957.8	342.2	190.1	165.6	161.9	158.2	158.2
42.5°	5840.3	5292.0	3777.4	1778.3	571.5	207.3	166.8	150.9	148.4	142.3	142.3
45°	6105.2	5488.3	3793.3	1458.2	302.9	184.0	153.3	137.4	132.5	128.8	127.5
47.5°	6356.6	5679.6	3735.7	1117.3	215.9	170.5	143.5	126.3	120.2	122.6	121.4
50°	6525.8	5870.9	3578.7	878.1	206.0	158.2	132.5	115.3	112.8	117.7	116.5
52.5°	6708.6	6027.9	3273.3	683.1	191.3	145.9	121.4	107.9	103.0	106.7	107.9
55°	6853.3	6025.4	3048.9	533.5	181.5	136.1	114.1	101.8	93.2	93.2	92.0
57.5°	6924.4	5967.8	2868.6	419.4	170.5	126.3	106.7	89.5	79.7	77.3	76.0
60°	6920.7	5911.4	2658.9	344.6	159.4	115.3	95.7	76.0	66.2	61.3	61.3
62.5°	6881.5	5778.9	2326.5	296.8	148.4	106.7	79.7	62.5	55.2	50.3	51.5
65°	6780.9	5523.8	1918.1	252.6	137.4	103.0	67.5	55.2	47.8	42.9	42.9
67.5°	6432.6	5095.8	1496.2	212.2	126.3	85.9	58.9	46.6	40.5	35.6	35.6
70°	5939.6	4443.4	984.8	179.1	112.8	74.8	52.7	40.5	34.3	29.4	28.2
72.5°	5062.7	3550.5	500.4	153.3	96.9	66.2	46.6	35.6	29.4	24.5	23.3
75°	3882.9	2391.5	311.5	122.6	76.0	58.9	41.7	31.9	24.5	18.4	17.2
77.5°	2315.5	962.7	220.8	85.9	51.5	46.6	34.3	25.8	19.6	13.5	13.5
80°	731.0	425.6	149.6	58.9	33.1	31.9	25.8	18.4	13.5	9.8	9.8
82.5°	413.3	269.8	100.6	39.2	23.3	20.8	14.7	11.0	8.6	7.4	7.4
85°	68.7	54.0	30.7	14.7	11.0	9.8	6.1	3.7	2.5	1.2	2.5
87.5°	3.7	3.7	4.9	4.9	4.9	3.7	2.5	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)