

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: P233855

Luminaire Tested: **VERD-G-C02-D-U-T3-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233855
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-14)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-C02-D-U-T3-7030
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1175mA LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16746 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type III - Medium - Semi-Cutoff
BUG Rating: B3 - U0 - G2

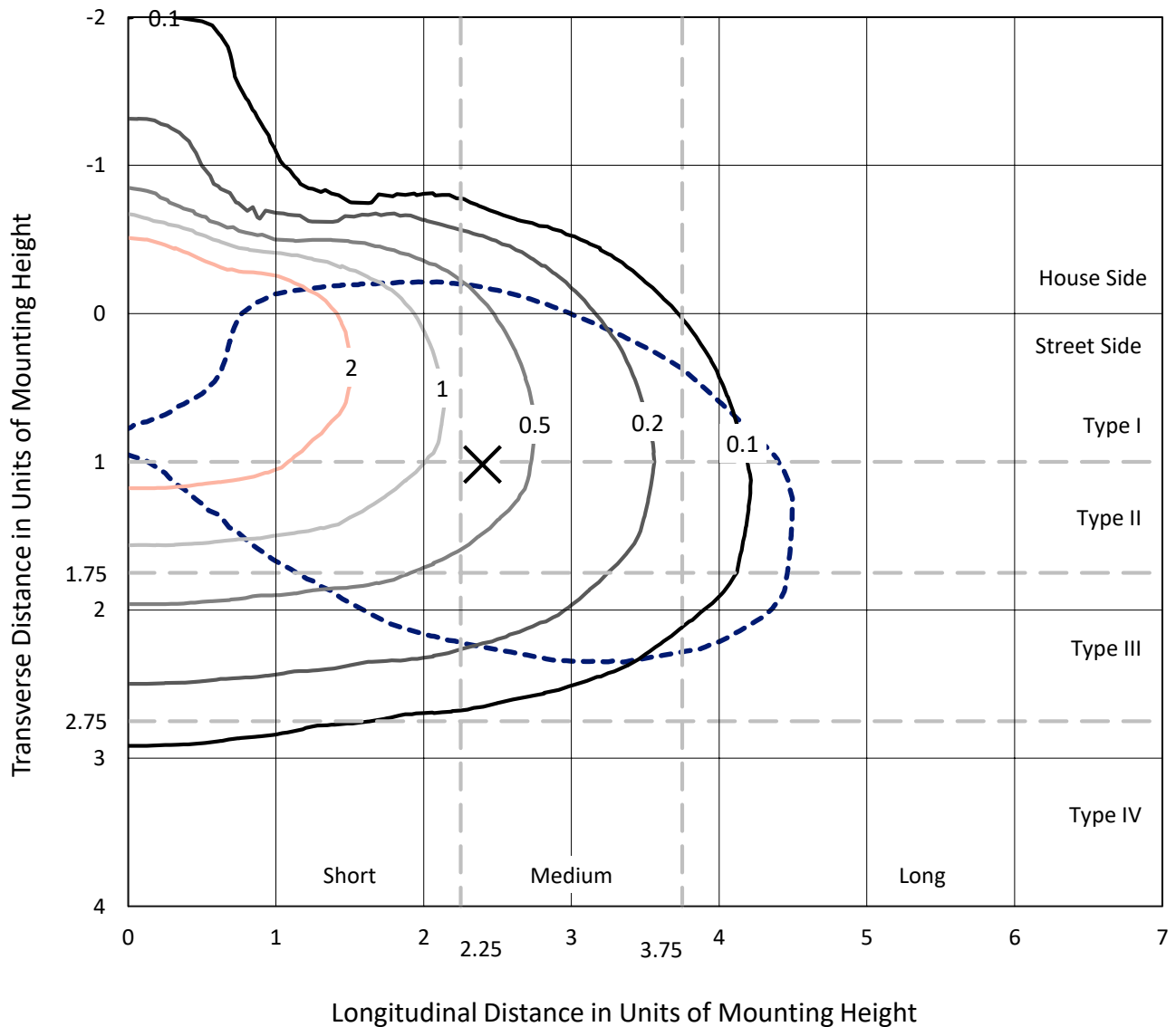
Input Watts (W): 138
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

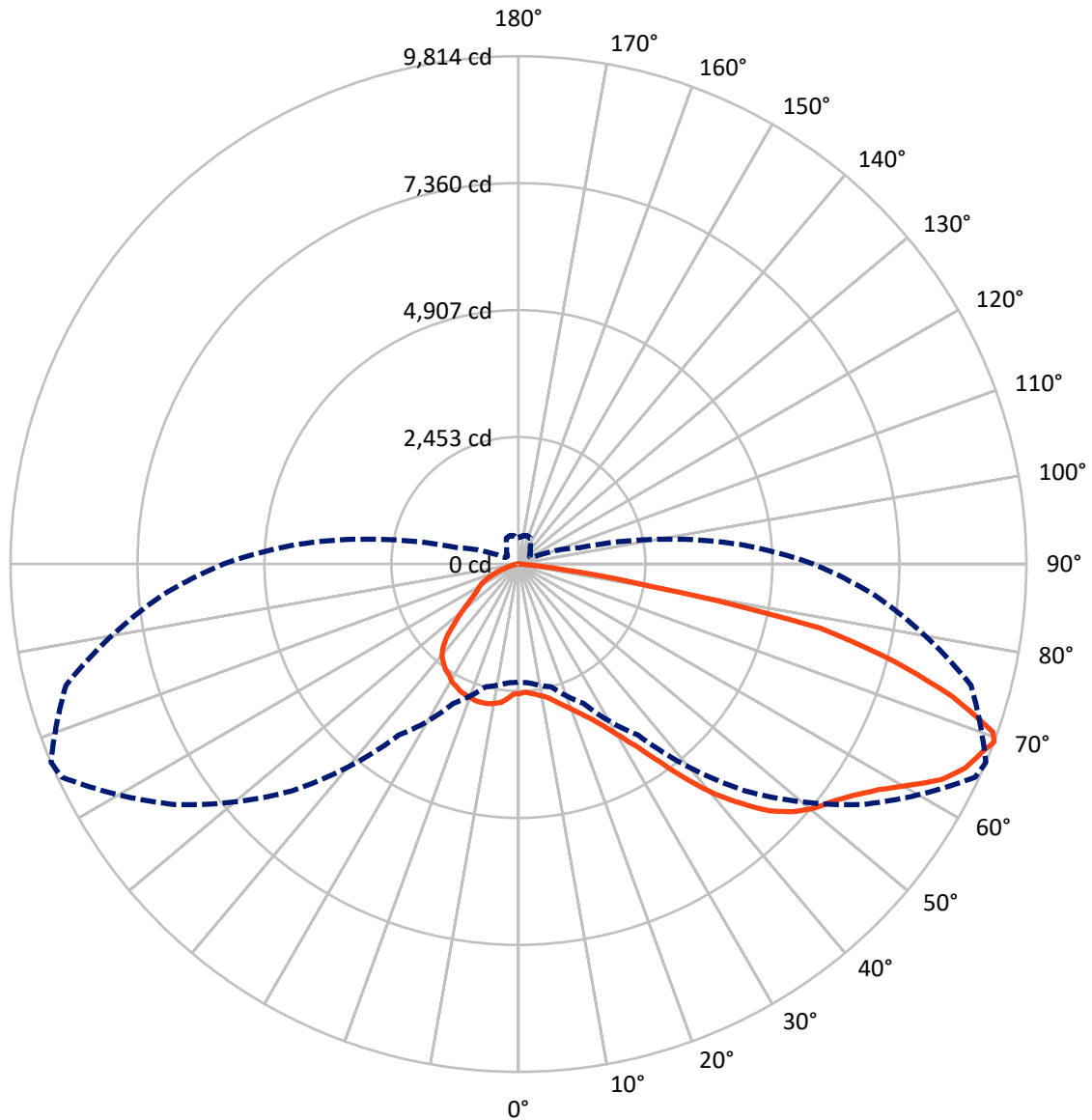


Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type III - Medium - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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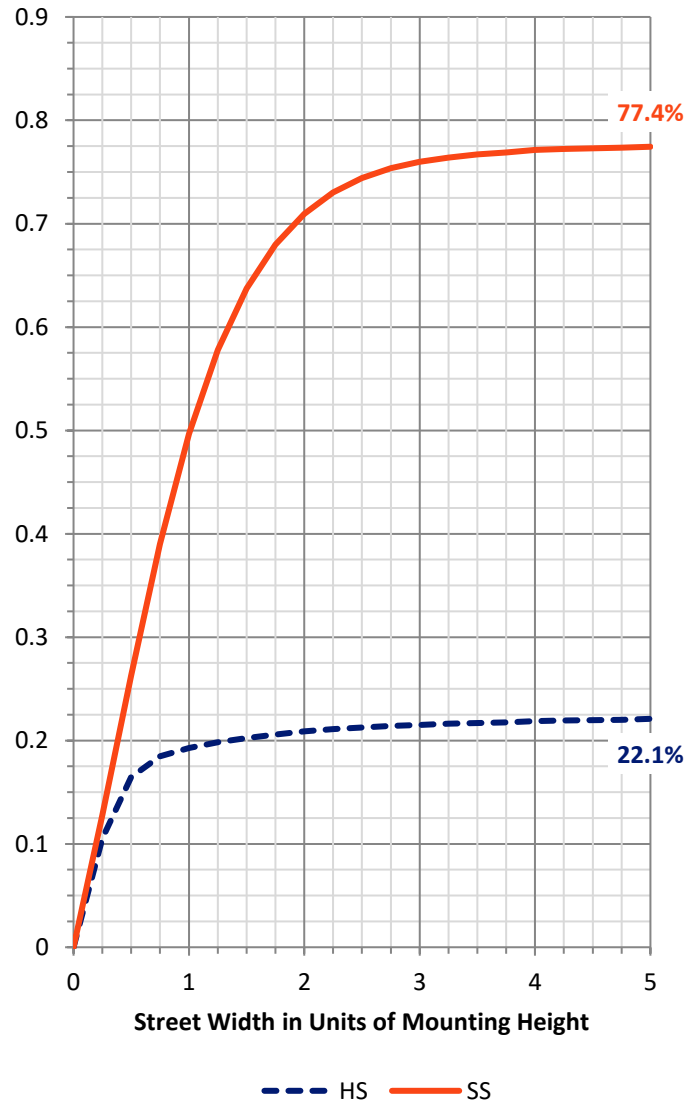
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3771.0	0.0	3771.0
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	12975.0	0.0	12975.0
	% Fixture	77.5	0.0	77.5
Total	Lumens	16746.0	0.0	16746.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.7	1.5
10°-20°	808.6	4.8
20°-30°	1392.9	8.3
30°-40°	2071.8	12.4
40°-50°	2853.3	17.0
50°-60°	3410.9	20.4
60°-70°	3599.5	21.5
70°-80°	2157.0	12.9
80°-90°	198.4	1.2
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°	16746.0	100.0
0°-180°	16746.0	100.0



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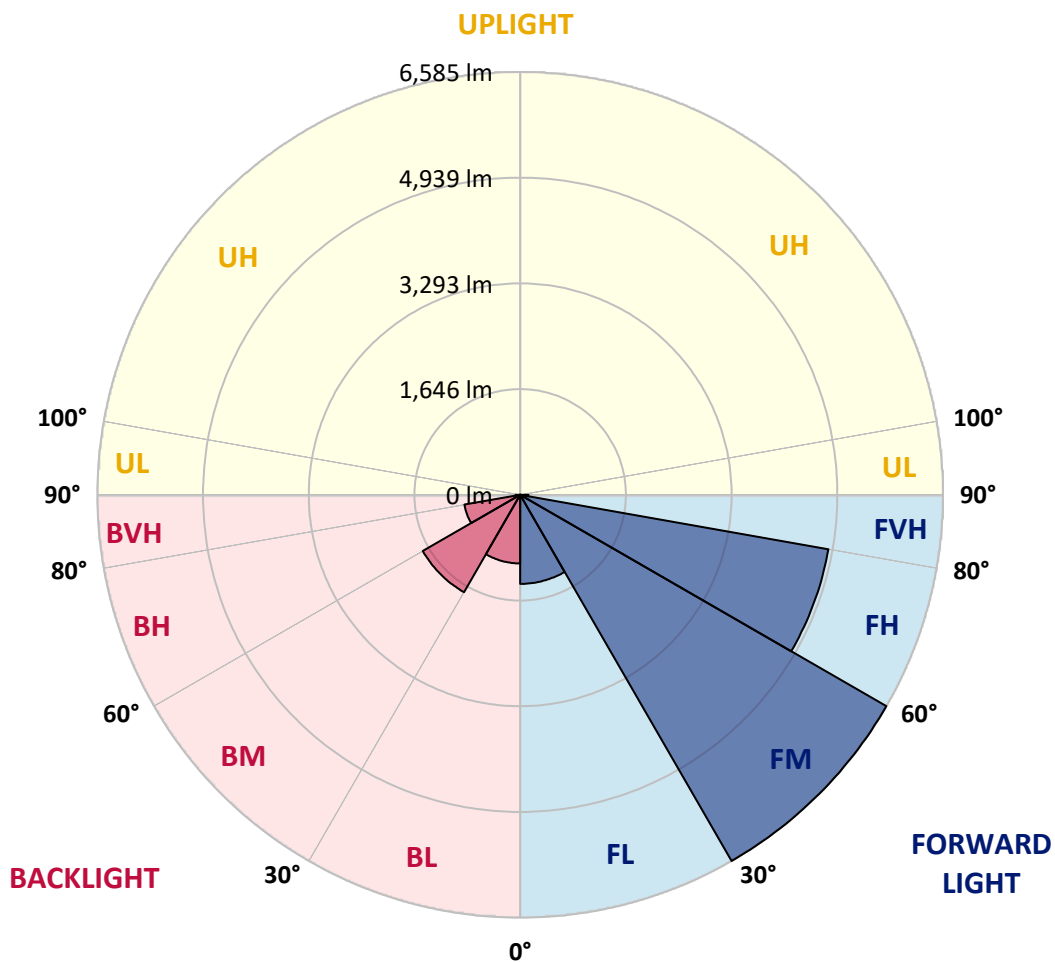
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1386.6	8.3			
FM (30°-60°)	6585.3	39.3			
FH (60°-80°)	4874.8	29.1			G2/5000
FVH (80°-90°)	128.3	0.8			G2/225
BL (0°-30°)	1068.5	6.4	B3/2500		
BM (30°-60°)	1750.7	10.5	B2/2500		
BH (60°-80°)	881.7	5.3	B2/1000		G2/1000
BVH (80°-90°)	70.1	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9
2.5°	2546.0	2544.4	2536.8	2509.4	2506.4	2503.3	2485.1	2486.6	2482.0	2486.6	2488.1
5°	2616.0	2609.9	2602.3	2573.4	2562.7	2549.0	2521.6	2520.1	2509.4	2512.5	2515.5
7.5°	2702.8	2696.7	2690.6	2657.1	2646.5	2622.1	2579.5	2558.2	2549.0	2552.1	2556.6
10°	2820.1	2809.4	2800.3	2751.5	2734.8	2693.7	2641.9	2605.4	2593.2	2597.7	2609.9
12.5°	2954.1	2940.4	2925.1	2874.9	2852.0	2788.1	2727.2	2680.0	2661.7	2672.4	2681.5
15°	3092.6	3085.0	3078.9	3019.5	2987.6	2917.5	2841.4	2782.0	2765.2	2774.4	2778.9
17.5°	3275.3	3270.8	3260.1	3199.2	3138.3	3057.6	2958.6	2896.2	2879.4	2884.0	2873.4
20°	3474.8	3462.6	3456.5	3388.0	3324.1	3212.9	3098.7	3010.4	3005.8	3007.4	2973.9
22.5°	3698.7	3685.0	3672.8	3610.3	3531.2	3401.7	3252.5	3153.5	3156.6	3159.6	3085.0
25°	3927.1	3916.4	3905.7	3846.4	3767.2	3625.6	3445.9	3334.7	3333.2	3334.7	3231.2
27.5°	4166.1	4154.0	4152.4	4103.7	4024.5	3879.9	3672.8	3560.1	3560.1	3554.0	3397.2
30°	4379.3	4391.5	4391.5	4364.1	4289.5	4144.8	3949.9	3837.2	3852.5	3840.3	3640.8
32.5°	4612.3	4609.2	4630.6	4609.2	4548.3	4414.3	4251.4	4179.8	4205.7	4245.3	4045.8
35°	4747.8	4769.1	4822.4	4852.9	4823.9	4714.3	4595.5	4650.4	4685.4	4863.5	4624.5
37.5°	4904.6	4922.9	4996.0	5070.6	5082.8	5023.4	5023.4	5203.1	5271.6	5504.6	5225.9
40°	5012.8	5031.0	5110.2	5197.0	5315.8	5356.9	5463.5	5742.1	5839.6	5996.4	5673.6
42.5°	4948.8	4957.9	5128.5	5340.1	5515.3	5713.2	5882.2	6235.5	6328.4	6438.0	6042.1
45°	4836.1	4852.9	5041.7	5382.8	5684.3	6077.1	6290.3	6699.9	6806.5	6795.9	6325.3
47.5°	4711.3	4737.1	4947.3	5328.0	5828.9	6392.3	6663.4	7089.7	7150.6	7074.5	6521.8
50°	4572.7	4616.9	4840.7	5273.1	5934.0	6667.9	6940.5	7382.1	7414.1	7258.8	6693.8
52.5°	4414.3	4443.3	4691.5	5168.1	6007.1	6850.7	7161.3	7599.8	7613.5	7487.2	6875.0
55°	4195.1	4220.9	4496.6	5028.0	6017.7	6958.8	7302.9	7832.8	7878.5	7755.2	7039.5
57.5°	3959.0	3991.0	4274.2	4825.5	5920.3	7002.9	7473.5	8132.8	8221.1	8044.5	7172.0
60°	3685.0	3726.1	4012.3	4578.8	5728.4	7071.5	7791.7	8569.8	8679.4	8371.9	7298.3
62.5°	3400.2	3423.1	3686.5	4237.7	5430.0	7106.5	8081.0	9069.3	9174.3	8681.0	7357.7
65°	2999.7	3036.3	3270.8	3828.1	5009.7	6955.7	8216.5	9418.0	9494.1	8932.2	7299.9
67.5°	2574.9	2574.9	2774.4	3337.8	4449.4	6556.8	8161.7	9585.5	9676.8	9108.8	7117.1
69°	2281.0	2303.9	2456.1	2969.3	4038.2	6202.0	8102.3	9739.2	9813.9	9052.5	6907.0
70°	2055.7	2075.5	2229.2	2701.3	3732.2	5921.8	7974.4	9670.7	9725.5	8878.9	6686.2
72.5°	1512.1	1528.8	1635.4	1882.1	2806.4	4778.3	7190.2	8743.4	8776.9	7985.1	5899.0
75°	1030.9	1040.0	1120.7	1271.5	1636.9	3340.8	5874.6	7385.1	7484.1	6925.3	4830.0
77.5°	356.3	383.7	432.4	584.7	700.4	1312.6	3981.9	5819.8	5967.5	5363.0	3378.9
80°	121.8	120.3	231.5	300.0	368.5	603.0	1259.3	2439.4	2577.9	2211.0	1216.6
82.5°	91.4	94.4	153.8	166.0	112.7	222.3	490.3	746.1	817.7	714.2	504.0
85°	57.9	56.3	68.5	71.6	51.8	94.4	118.8	120.3	124.9	108.1	109.6
87.5°	32.0	32.0	30.5	25.9	13.7	12.2	10.7	10.7	9.1	9.1	9.1
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°	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9
2.5°	2480.5	2501.8	2506.4	2512.5	2527.7	2547.5	2574.9	2574.9	2585.6	2617.5	2628.2
5°	2515.5	2541.4	2574.9	2609.9	2651.0	2695.2	2739.4	2754.6	2775.9	2818.5	2827.7
7.5°	2568.8	2597.7	2655.6	2702.8	2737.8	2782.0	2818.5	2824.6	2852.0	2891.6	2899.2
10°	2623.6	2649.5	2707.4	2731.7	2778.9	2827.7	2845.9	2855.1	2877.9	2908.4	2903.8
12.5°	2698.2	2705.9	2747.0	2763.7	2786.6	2817.0	2826.1	2826.1	2839.9	2888.6	2890.1
15°	2771.3	2771.3	2777.4	2768.3	2771.3	2786.6	2788.1	2768.3	2783.5	2807.9	2798.7
17.5°	2849.0	2827.7	2800.3	2760.7	2725.6	2724.1	2692.1	2644.9	2631.2	2666.3	2664.7
20°	2922.1	2885.5	2820.1	2730.2	2681.5	2616.0	2535.3	2507.9	2506.4	2512.5	2507.9
22.5°	3018.0	2943.4	2824.6	2701.3	2567.3	2463.7	2396.7	2303.9	2300.8	2287.1	2265.8
25°	3132.2	3025.6	2844.4	2669.3	2474.4	2340.4	2179.0	2080.0	2023.7	2035.9	1999.3
27.5°	3279.9	3150.5	2852.0	2599.3	2346.5	2119.6	1924.7	1796.8	1748.1	1726.8	1702.4
30°	3482.4	3283.0	2906.9	2539.9	2188.1	1888.2	1649.1	1463.3	1393.3	1411.6	1414.6
32.5°	3806.8	3534.2	2935.8	2422.6	2005.4	1635.4	1324.8	1123.8	1082.6	1134.4	1148.1
35°	4371.7	3924.0	3004.3	2352.6	1796.8	1340.0	985.2	903.0	912.1	956.3	959.3
37.5°	4927.5	4417.4	3216.0	2200.3	1547.1	992.8	764.4	720.2	764.4	820.7	828.4
40°	5317.3	4802.6	3403.3	2049.6	1196.8	718.7	583.2	529.9	593.9	683.7	700.4
42.5°	5663.0	5108.7	3535.7	1841.0	819.2	513.2	418.7	432.4	526.9	592.3	607.6
45°	5911.2	5318.8	3627.1	1569.9	522.3	388.3	374.6	418.7	508.6	560.4	564.9
47.5°	6068.0	5442.2	3560.1	1236.4	392.9	367.0	368.5	424.8	514.7	572.5	571.0
50°	6209.6	5507.6	3342.3	980.6	373.1	351.7	376.1	441.6	534.5	587.8	584.7
52.5°	6360.4	5571.6	3077.4	769.0	357.8	344.1	385.2	452.2	534.5	568.0	563.4
55°	6489.8	5627.9	2877.9	618.2	347.2	342.6	394.4	469.0	531.4	545.1	536.0
57.5°	6556.8	5532.0	2661.7	519.2	336.5	342.6	400.5	465.9	549.7	593.9	584.7
60°	6520.2	5442.2	2486.6	482.7	321.3	341.1	403.5	499.4	674.6	715.7	712.6
62.5°	6453.2	5343.2	2241.4	434.0	304.5	344.1	402.0	529.9	776.6	762.9	724.8
65°	6316.2	5145.2	1906.4	377.6	287.8	350.2	402.0	596.9	677.6	662.4	645.6
67.5°	6023.8	4717.4	1525.8	324.3	269.5	332.0	395.9	568.0	583.2	543.6	523.8
69°	5696.5	4309.3	1207.5	295.4	258.9	322.8	394.4	548.2	574.1	531.4	508.6
70°	5440.6	3991.0	976.1	274.1	248.2	319.8	392.9	534.5	569.5	522.3	497.9
72.5°	4531.6	3225.1	511.6	220.8	211.7	290.8	379.2	522.3	571.0	501.0	465.9
75°	3560.1	2294.7	339.6	169.0	162.9	254.3	347.2	502.5	537.5	450.7	397.4
77.5°	2195.7	1005.0	234.5	117.2	118.8	198.0	298.5	449.2	542.1	455.3	386.8
80°	638.0	388.3	149.2	79.2	73.1	117.2	234.5	386.8	514.7	467.5	421.8
82.5°	368.5	252.8	100.5	50.2	44.2	53.3	147.7	300.0	453.8	427.9	437.0
85°	83.7	70.0	36.5	24.4	24.4	30.5	50.2	173.6	313.7	367.0	414.2
87.5°	9.1	9.1	9.1	9.1	9.1	7.6	9.1	47.2	137.0	194.9	226.9
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)