

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: P553579

Luminaire Tested: **VERD-G-CA2-150-750-U-T3**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553579
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-150-750-U-T3
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1380mA LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22003 lumens
Efficiency: N/A
Efficacy: 144.6 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

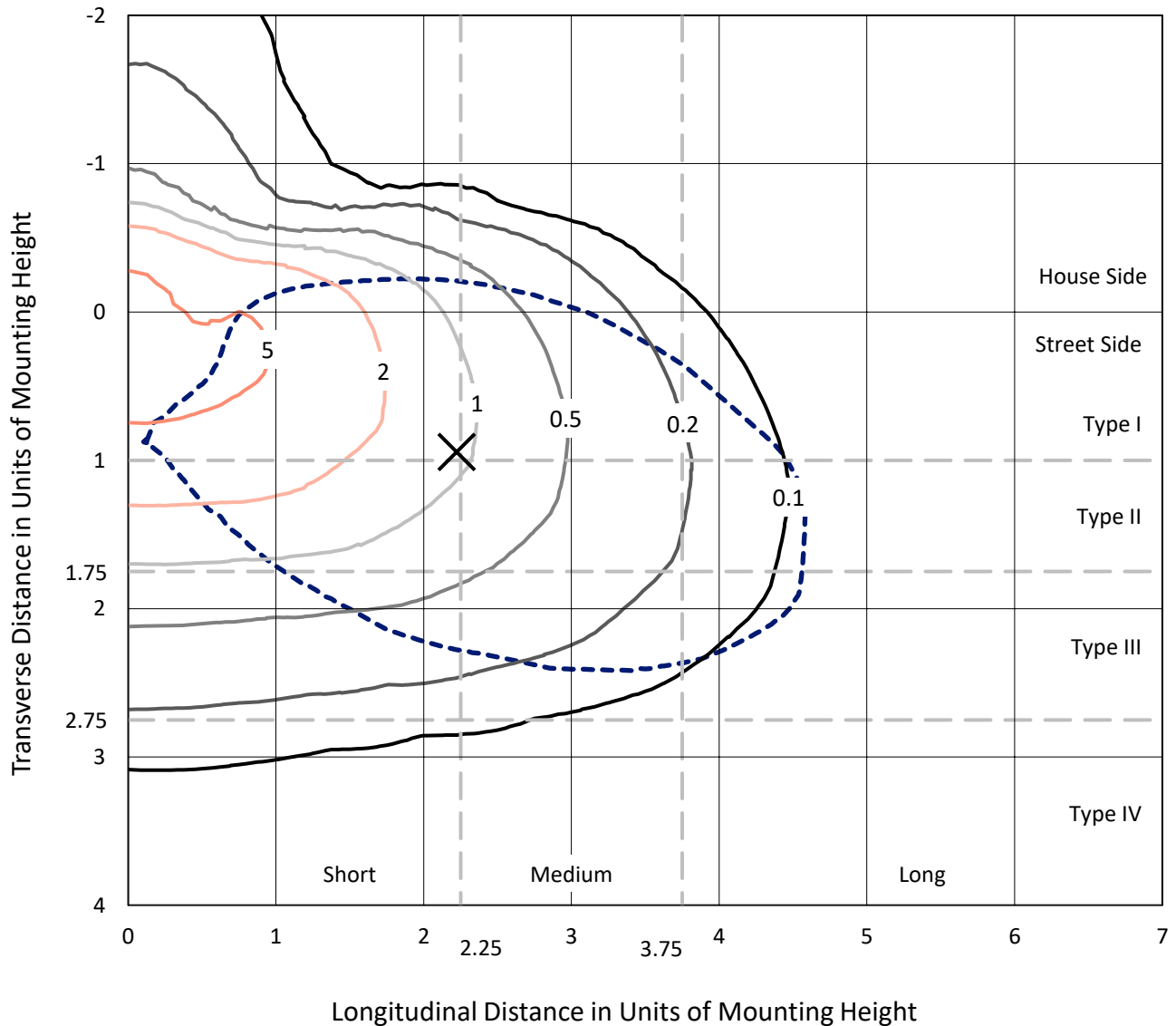
Input Watts (W): 152.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

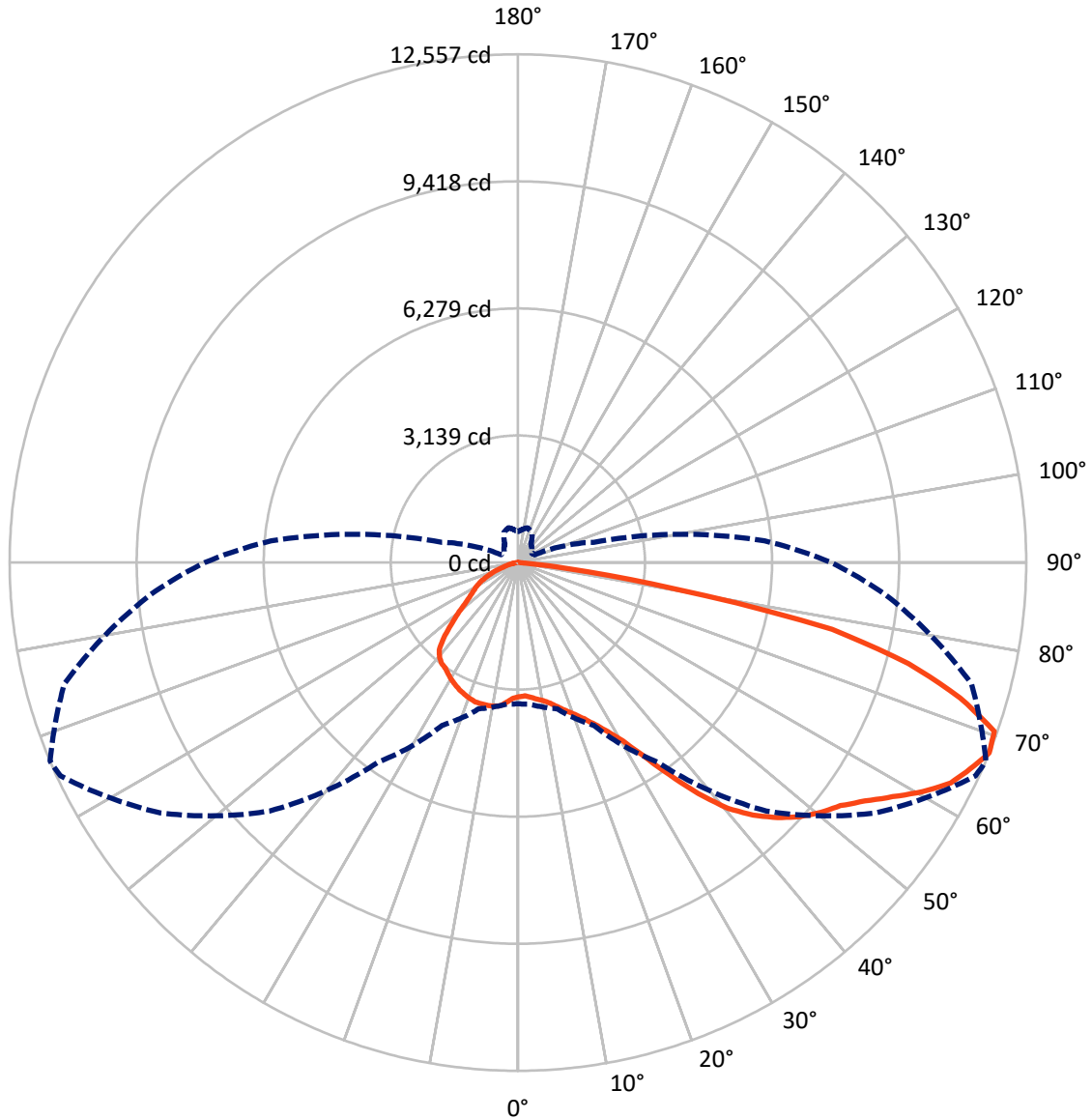
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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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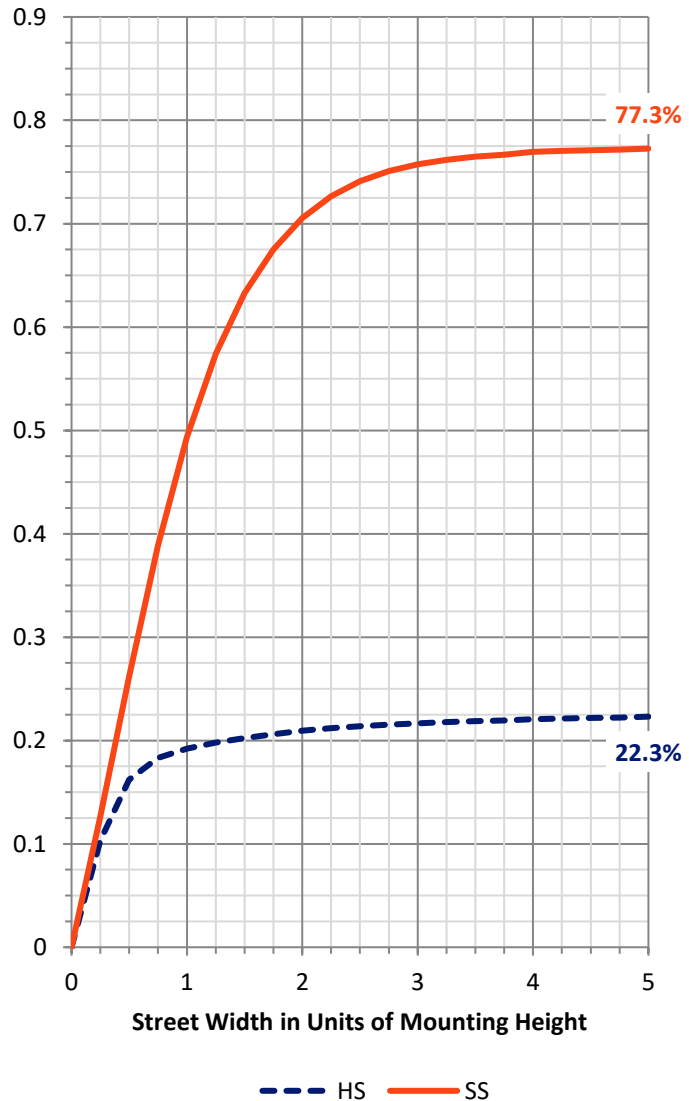
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4992.6	0.0	4992.6
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	17010.4	0.0	17010.4
	% Fixture	77.3	0.0	77.3
Total	Lumens	22003.0	0.0	22003.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.0	1.5
10°-20°	1063.5	4.8
20°-30°	1824.1	8.3
30°-40°	2714.6	12.3
40°-50°	3711.4	16.9
50°-60°	4458.1	20.3
60°-70°	4729.4	21.5
70°-80°	2889.1	13.1
80°-90°	276.7	1.3
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°	22003.0	100.0
0°-180°	22003.0	100.0

Coefficient of Utilization



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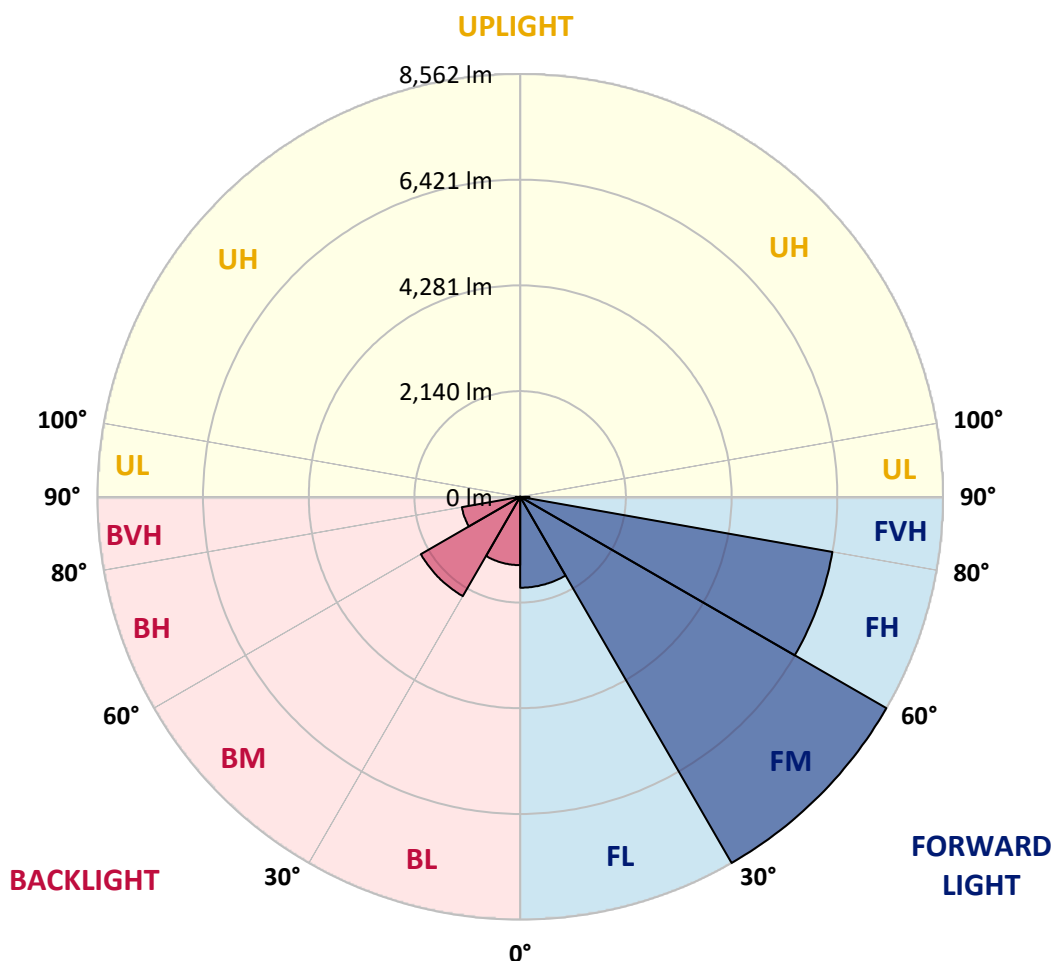
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1840.3	8.4			
FM (30°-60°)	8561.8	38.9			
FH (60°-80°)	6419.9	29.2			G3/7500
FVH (80°-90°)	188.4	0.9			G2/225
BL (0°-30°)	1383.2	6.3	B3/2500		
BM (30°-60°)	2322.3	10.6	B2/2500		
BH (60°-80°)	1198.7	5.4	B3/2500		G3/2500
BVH (80°-90°)	88.3	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-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3317.5	3317.5	3317.5	3317.5	3317.5	3317.5	3317.5	3317.5	3317.5	3317.5	3317.5
2.5°	3369.9	3386.0	3359.7	3342.2	3323.3	3333.5	3308.7	3308.7	3297.0	3316.0	3304.3
5°	3479.2	3493.8	3448.6	3412.2	3409.3	3378.7	3375.8	3361.2	3343.7	3359.7	3375.8
7.5°	3625.0	3619.2	3587.1	3544.8	3502.6	3485.1	3455.9	3434.1	3407.8	3422.4	3426.8
10°	3802.8	3792.6	3750.4	3683.3	3649.8	3601.7	3528.8	3488.0	3469.0	3483.6	3488.0
12.5°	3992.3	3979.2	3938.4	3864.0	3805.7	3729.9	3646.9	3581.3	3568.2	3553.6	3578.4
15°	4205.1	4181.8	4146.8	4087.1	3996.7	3897.6	3783.9	3721.2	3702.3	3677.5	3665.8
17.5°	4435.4	4432.5	4387.3	4321.7	4229.9	4092.9	3947.1	3849.5	3849.5	3839.3	3776.6
20°	4683.2	4671.5	4626.4	4589.9	4460.2	4315.9	4138.1	4014.2	4001.1	3980.7	3877.2
22.5°	4932.5	4933.9	4875.6	4847.9	4751.7	4566.6	4342.1	4218.2	4192.0	4164.3	3985.0
25°	5158.4	5161.3	5143.8	5092.8	5014.1	4843.5	4608.9	4444.2	4429.6	4391.7	4174.5
27.5°	5387.2	5423.7	5372.6	5378.5	5343.5	5148.2	4913.5	4713.8	4728.4	4645.3	4348.0
30°	5658.3	5671.4	5646.7	5654.0	5632.1	5503.8	5276.4	5114.6	5114.6	5019.9	4642.4
32.5°	5875.5	5863.8	5865.3	5941.1	5951.3	5881.3	5694.8	5642.3	5687.5	5675.8	5336.2
35°	5983.4	6003.8	6060.6	6234.1	6318.6	6276.3	6254.5	6324.4	6438.1	6511.0	6094.1
37.5°	6121.8	6184.5	6255.9	6449.8	6605.8	6722.4	6841.9	7072.2	7235.4	7330.2	6814.2
40°	6264.7	6270.5	6413.4	6653.9	6958.5	7143.6	7427.8	7824.3	7984.6	7913.2	7213.6
42.5°	6153.9	6168.5	6366.7	6795.2	7177.1	7650.8	7958.4	8416.1	8526.8	8309.7	7626.1
45°	6011.1	6038.8	6289.5	6795.2	7417.6	8115.8	8467.1	8977.2	8990.4	8697.4	7875.3
47.5°	5884.3	5907.6	6171.4	6742.8	7643.6	8523.9	8876.7	9292.1	9381.0	9013.7	8206.2
50°	5715.2	5773.5	6032.9	6696.1	7748.5	8808.2	9239.6	9671.0	9701.7	9312.5	8454.0
52.5°	5531.5	5582.5	5901.7	6608.7	7882.6	9042.8	9480.1	10035.4	9978.6	9711.9	8732.4
55°	5283.7	5328.9	5697.7	6468.7	7898.6	9169.6	9653.6	10373.6	10395.5	10044.2	9002.0
57.5°	4999.5	5075.3	5410.5	6209.3	7751.4	9207.5	9952.4	10831.3	10915.8	10455.2	9217.7
60°	4692.0	4751.7	5132.1	5933.8	7556.1	9350.4	10361.9	11424.5	11491.6	10813.8	9305.2
62.5°	4377.1	4426.7	4741.5	5519.9	7197.5	9378.1	10719.0	12020.7	11998.8	11133.0	9426.2
65°	3985.0	3989.4	4286.7	5019.9	6699.0	9179.8	10902.7	12262.6	12284.5	11423.1	9287.7
67.5°	3486.5	3514.2	3740.2	4436.9	6019.8	8681.3	10786.1	12471.1	12557.1	11602.3	9111.3
70°	2776.7	2792.7	3028.9	3677.5	5117.6	7910.3	10564.5	12503.1	12484.2	11370.6	8626.0
72.5°	1975.0	2036.2	2195.1	2585.7	3926.7	6474.6	9563.2	11513.4	11426.0	10475.6	7694.6
75°	1269.6	1275.4	1434.3	1689.3	2298.6	4589.9	7971.5	9924.7	9961.1	9086.6	6264.7
77.5°	419.8	473.7	526.2	712.8	953.3	1910.9	5381.4	7822.8	7933.6	7158.2	4275.1
80°	185.1	185.1	313.4	403.7	514.5	819.2	2147.0	3540.5	3880.1	3337.9	1647.1
82.5°	135.6	138.5	209.9	240.5	202.6	341.1	771.1	1134.0	1202.5	1080.1	654.5
85°	77.3	80.2	90.4	103.5	86.0	138.5	170.5	174.9	176.4	153.0	119.5
87.5°	35.0	35.0	32.1	27.7	16.0	10.2	10.2	7.3	8.7	7.3	5.8
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°	3317.5	3317.5	3317.5	3317.5	3317.5	3317.5	3317.5	3317.5	3317.5	3317.5	3317.5
2.5°	3300.0	3314.5	3346.6	3352.4	3367.0	3388.9	3416.6	3429.7	3473.4	3493.8	3499.7
5°	3378.7	3386.0	3441.3	3460.3	3525.9	3559.4	3588.6	3609.0	3662.9	3676.0	3699.3
7.5°	3438.4	3463.2	3530.3	3572.5	3613.3	3648.3	3645.4	3693.5	3721.2	3743.1	3751.8
10°	3499.7	3512.8	3581.3	3600.2	3630.8	3657.1	3664.4	3677.5	3684.8	3715.4	3725.6
12.5°	3594.4	3585.6	3594.4	3610.4	3635.2	3629.4	3645.4	3626.5	3636.7	3676.0	3661.4
15°	3664.4	3644.0	3606.1	3607.5	3591.5	3584.2	3560.9	3544.8	3543.4	3552.1	3566.7
17.5°	3743.1	3683.3	3613.3	3594.4	3534.6	3476.3	3435.5	3391.8	3384.5	3393.2	3383.0
20°	3811.6	3731.4	3610.4	3550.7	3434.1	3329.1	3269.4	3203.8	3200.8	3195.0	3183.4
22.5°	3894.7	3794.1	3609.0	3488.0	3349.5	3180.4	3056.5	3007.0	2947.2	2970.5	2967.6
25°	4018.5	3893.2	3622.1	3420.9	3196.5	2995.3	2836.5	2727.1	2667.4	2654.3	2660.1
27.5°	4171.6	4005.4	3629.4	3336.4	3056.5	2769.4	2517.2	2352.5	2316.1	2268.0	2272.4
30°	4394.6	4158.5	3664.4	3243.1	2851.0	2480.8	2180.5	1966.3	1905.1	1915.3	1918.2
32.5°	4920.8	4473.3	3689.1	3135.3	2625.1	2161.6	1769.5	1555.2	1507.1	1524.6	1534.8
35°	5611.7	5076.8	3824.7	2996.8	2368.6	1788.5	1357.0	1236.0	1246.2	1279.8	1288.5
37.5°	6296.7	5716.6	4123.5	2875.8	2040.6	1368.7	1083.0	1011.6	1071.3	1103.4	1113.6
40°	6718.0	6142.2	4452.9	2689.2	1623.7	1005.7	825.0	784.2	852.7	927.0	963.5
42.5°	7143.6	6490.6	4667.2	2461.9	1161.7	731.7	613.6	647.2	759.4	833.7	851.2
45°	7414.7	6669.9	4687.6	2100.4	774.0	567.0	559.7	631.1	746.3	806.0	816.2
47.5°	7678.5	6910.4	4601.6	1682.0	583.0	539.3	555.3	638.4	752.1	819.2	817.7
50°	7940.9	7146.5	4415.0	1335.1	551.0	521.8	564.1	653.0	762.3	813.3	813.3
52.5°	8101.2	7263.1	4040.4	1062.6	530.6	511.6	568.5	658.8	752.1	781.3	776.9
55°	8293.6	7290.8	3788.3	884.8	508.7	504.3	577.2	674.9	750.7	753.6	743.4
57.5°	8394.2	7222.3	3582.7	752.1	489.7	507.2	587.4	679.2	792.9	827.9	833.7
60°	8350.5	7139.2	3349.5	669.0	472.3	502.9	584.5	712.8	924.1	997.0	983.9
62.5°	8308.2	6983.3	2957.4	600.5	453.3	505.8	581.6	790.0	1085.9	1010.1	969.3
65°	8155.2	6659.7	2447.3	534.9	430.0	507.2	575.7	873.1	1112.1	1020.3	950.3
67.5°	7735.4	6120.4	1935.7	465.0	402.3	486.8	562.6	820.6	890.6	801.7	763.8
70°	7110.1	5339.1	1327.9	402.3	368.8	462.1	553.9	776.9	836.7	774.0	725.9
72.5°	6101.4	4194.9	736.1	336.7	323.6	431.4	552.4	766.7	842.5	663.2	610.7
75°	4639.5	2782.5	478.1	263.8	265.3	384.8	526.2	731.7	816.2	623.8	552.4
77.5°	2733.0	1171.9	333.8	188.0	207.0	298.8	467.9	701.1	772.5	610.7	552.4
80°	928.5	516.0	217.2	126.8	126.8	190.9	333.8	572.8	688.0	594.7	588.9
82.5°	482.5	328.0	138.5	78.7	72.9	91.8	205.5	393.5	552.4	504.3	574.3
85°	96.2	68.5	43.7	32.1	35.0	46.6	72.9	199.7	349.8	389.2	466.4
87.5°	7.3	5.8	8.7	8.7	8.7	8.7	10.2	49.6	139.9	172.0	212.8
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)