

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: P970265

Luminaire Tested: **NVN-SB6B-722-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P970265
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB6B-722-U-SL4
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28661 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

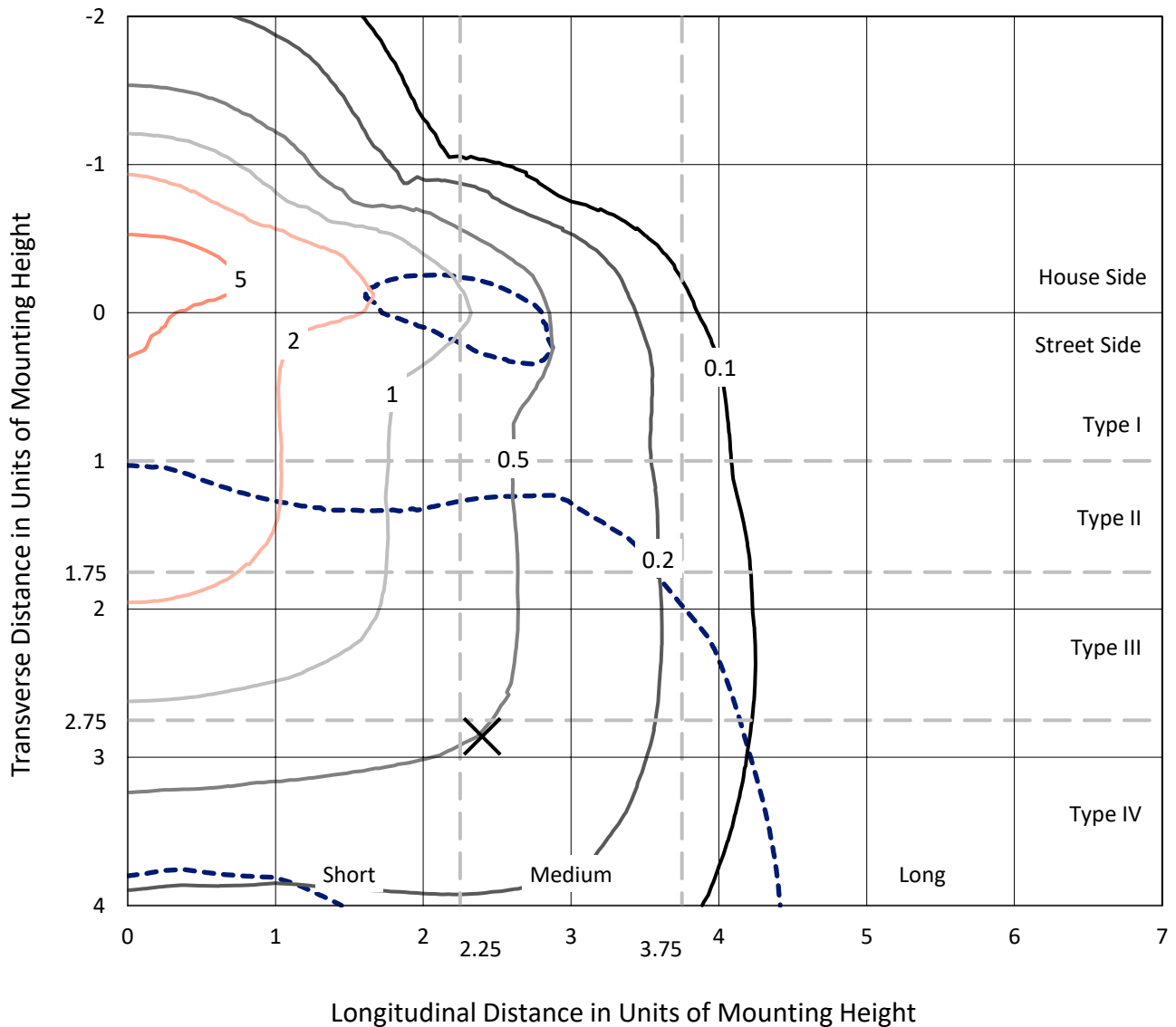
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

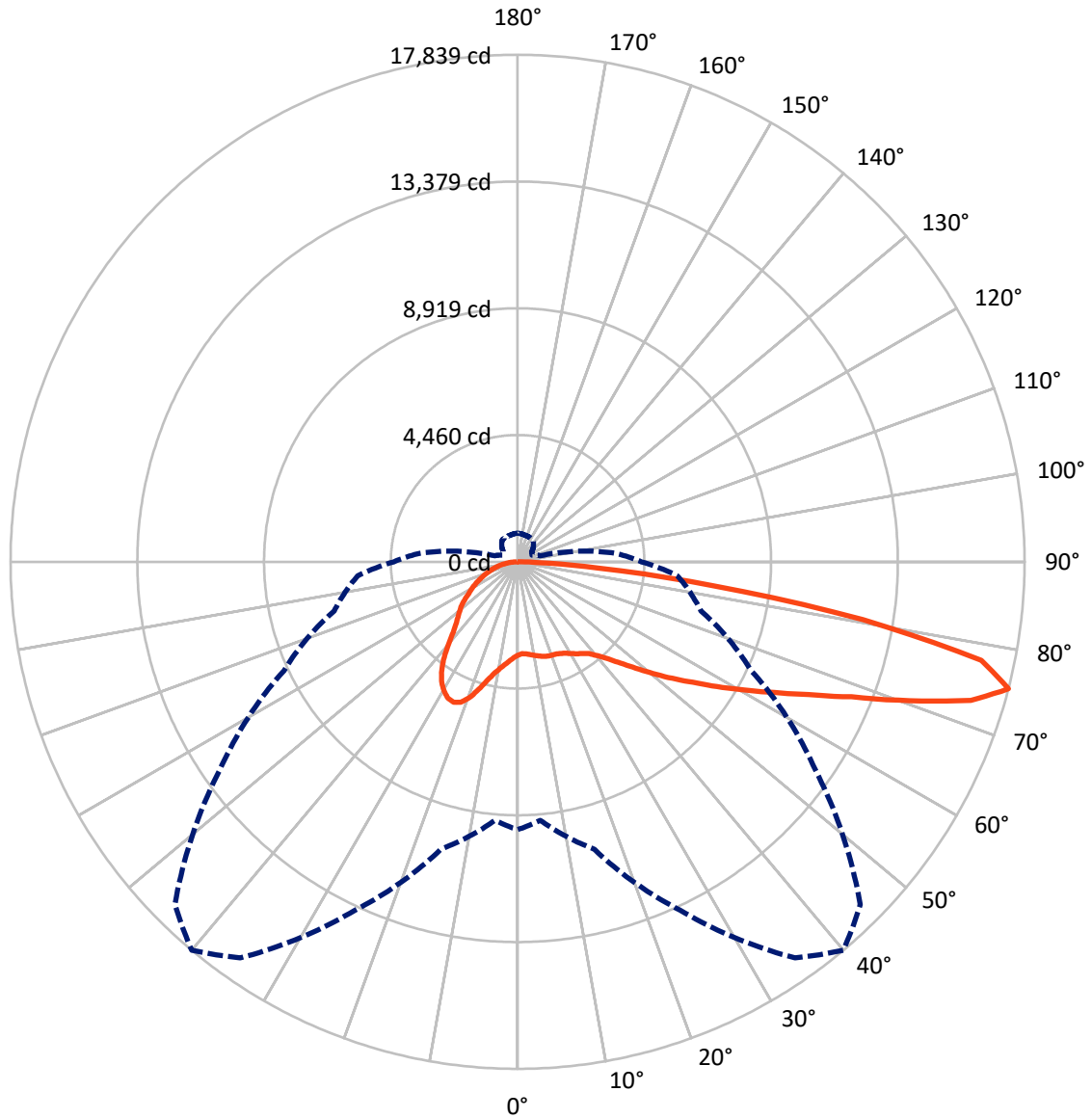
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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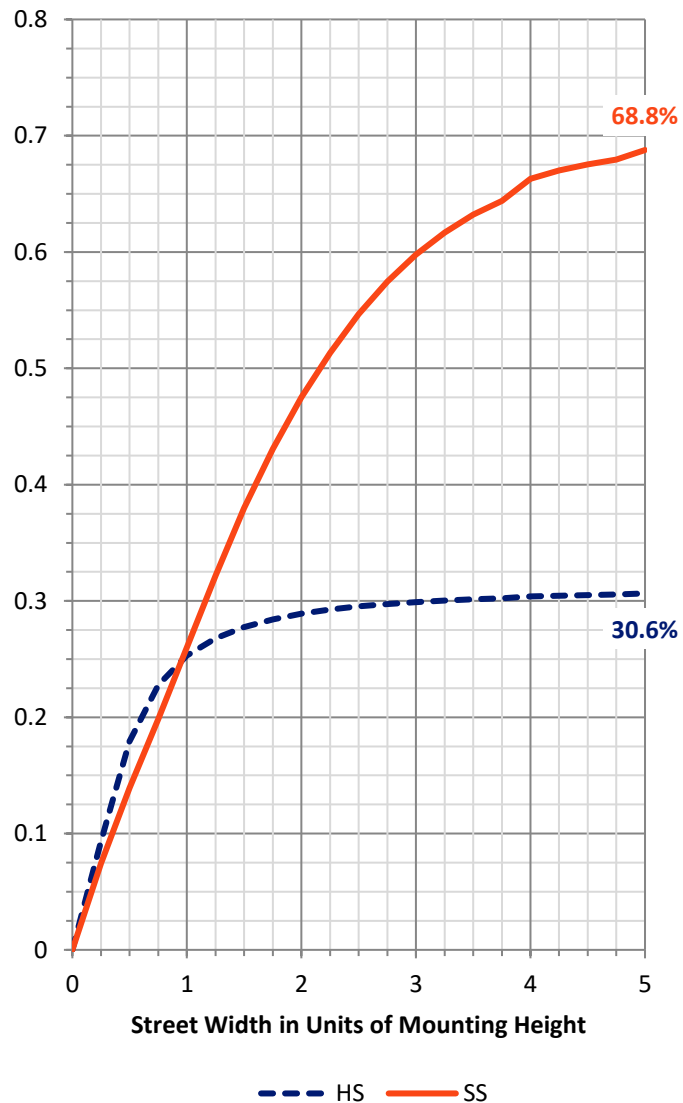
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8880.1	0.0	8880.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	19780.9	0.0	19780.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	28661.0	0.0	28661.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.2	1.1
10°-20°	1098.4	3.8
20°-30°	2005.6	7.0
30°-40°	2844.5	9.9
40°-50°	3840.9	13.4
50°-60°	5167.0	18.0
60°-70°	6558.1	22.9
70°-80°	5951.9	20.8
80°-90°	867.6	3.0
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°	28661.0	100.0
0°-180°	28661.0	100.0

Coefficient of Utilization

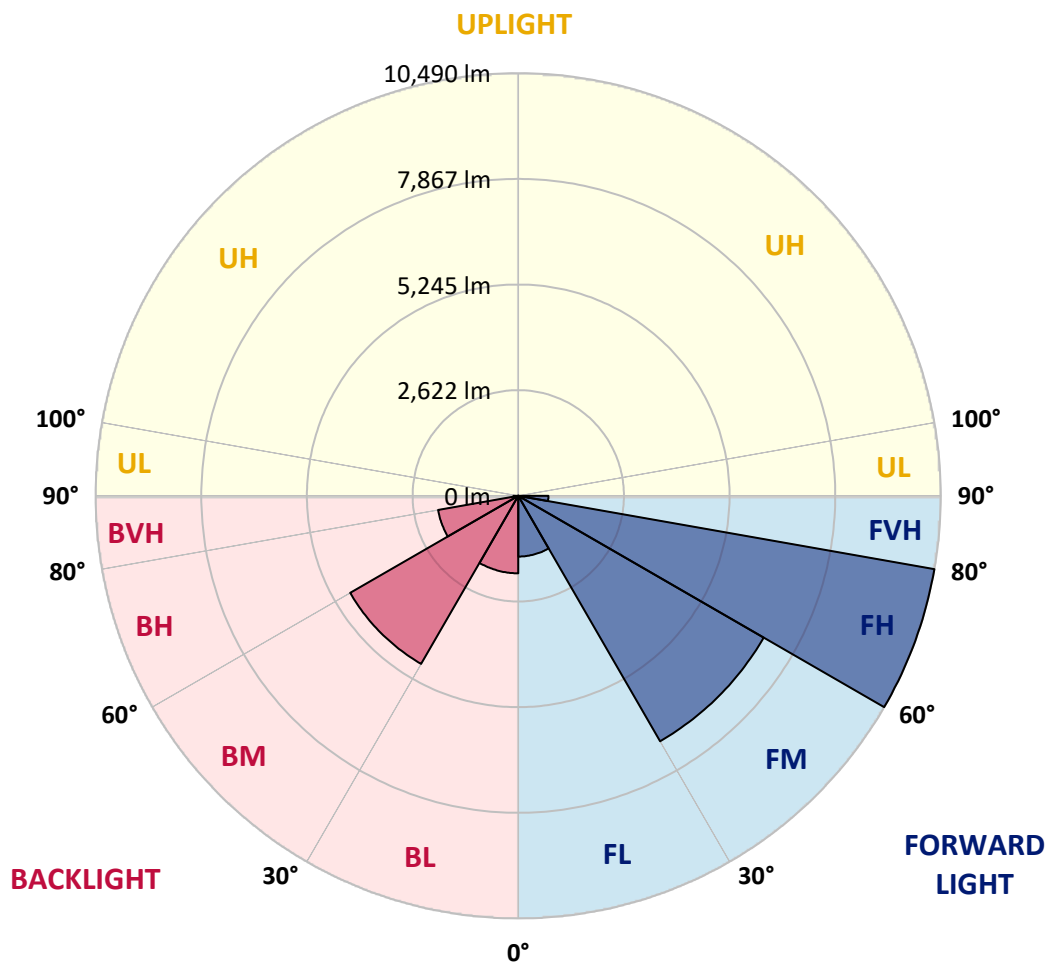


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1507.6	5.3			
FM (30°-60°)	7035.6	24.5			
FH (60°-80°)	10489.5	36.6			G4/12000
FVH (80°-90°)	748.2	2.6			G4/750
BL (0°-30°)	1923.5	6.7	B3/2500		
BM (30°-60°)	4816.7	16.8	B3/5000		
BH (60°-80°)	2020.5	7.0	B3/2500		G3/2500
BVH (80°-90°)	119.4	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	3277.4	3277.4	3277.4	3277.4	3277.4	3277.4	3277.4	3277.4	3277.4	3277.4	3277.4
2.5°	3227.3	3245.5	3240.9	3234.9	3234.9	3236.3	3234.9	3245.5	3256.1	3266.8	3283.5
5°	3260.7	3279.0	3269.9	3262.3	3256.1	3254.6	3250.1	3248.5	3254.6	3268.3	3291.1
7.5°	3326.1	3344.3	3330.6	3317.0	3304.8	3298.8	3292.6	3283.5	3279.0	3286.6	3318.4
10°	3399.0	3417.2	3400.5	3376.2	3356.5	3348.9	3342.8	3333.7	3327.6	3332.2	3367.1
12.5°	3472.0	3490.2	3467.5	3434.0	3408.1	3403.6	3396.0	3393.0	3391.4	3389.9	3424.8
15°	3540.5	3555.6	3526.7	3487.3	3459.9	3452.2	3444.6	3449.2	3456.8	3465.9	3505.5
17.5°	3593.6	3608.8	3566.3	3514.6	3488.7	3485.7	3481.1	3496.4	3517.6	3540.5	3589.0
20°	3642.2	3657.5	3602.8	3532.8	3502.4	3502.4	3504.0	3535.8	3566.3	3599.7	3666.6
22.5°	3710.7	3722.8	3656.0	3560.1	3516.1	3519.1	3531.3	3563.2	3601.2	3646.8	3739.5
25°	3812.5	3821.6	3739.5	3611.9	3561.7	3570.8	3581.5	3596.6	3633.1	3686.3	3811.0
27.5°	3976.7	3984.3	3876.3	3703.1	3627.1	3642.2	3657.5	3646.8	3663.6	3709.2	3868.8
30°	4207.7	4212.3	4075.5	3846.0	3738.1	3745.7	3748.6	3704.6	3672.7	3709.2	3909.8
32.5°	4481.4	4479.9	4317.2	4019.2	3864.2	3856.6	3830.7	3744.1	3669.6	3701.6	3946.2
35°	4905.5	4888.7	4679.0	4262.5	4007.1	3960.0	3899.2	3788.2	3684.9	3694.0	3978.2
37.5°	5607.8	5556.1	5265.7	4660.8	4219.9	4099.8	4010.1	3859.6	3718.3	3690.9	4016.3
40°	6399.8	6334.4	6015.2	5206.5	4539.1	4346.1	4201.7	3961.5	3773.0	3704.6	4072.4
42.5°	7339.2	7246.5	6903.0	5849.5	4943.5	4663.8	4446.4	4090.7	3853.6	3748.6	4148.5
45°	8493.0	8369.9	7883.5	6574.7	5452.8	5080.3	4789.9	4286.8	3976.7	3833.8	4262.5
47.5°	9659.0	9689.4	8997.8	7404.6	6063.9	5594.1	5220.2	4581.8	4156.1	3970.6	4446.4
50°	10897.9	10919.2	10105.9	8324.3	6757.0	6174.8	5703.6	4911.6	4405.3	4165.2	4721.6
52.5°	11864.7	11867.8	11112.2	9286.6	7479.1	6813.3	6225.0	5288.6	4694.2	4423.6	5087.9
55°	12469.7	12462.2	11817.6	10197.1	8309.1	7483.6	6802.6	5717.2	5046.9	4727.6	5548.5
57.5°	12909.1	12886.3	12304.0	10980.0	9193.8	8275.6	7456.3	6203.7	5463.4	5089.4	6155.0
60°	13076.2	13062.6	12633.9	11656.5	10124.1	9151.3	8210.2	6747.9	5936.2	5516.5	6934.9
62.5°	13140.1	13165.9	12957.7	12311.7	11119.8	10121.2	9038.8	7398.6	6468.2	6000.0	7757.3
65°	13365.1	13412.2	13369.7	13169.0	12244.8	11256.7	10137.9	8172.3	7048.9	6518.4	8616.2
67.5°	13810.5	13857.6	13875.8	14195.1	13619.0	12671.9	11509.0	9136.0	7728.4	7056.5	9262.2
70°	13799.9	13786.1	14108.4	15011.4	15339.7	14631.4	13357.5	10321.8	8538.7	7503.4	9344.3
72.5°	12561.0	12451.5	13213.1	15002.3	16771.8	16677.5	15615.0	11851.0	9237.9	7558.1	8108.5
75°	9423.3	9131.5	10476.8	13520.2	17010.4	17838.9	17050.0	12799.6	9072.2	6678.0	5642.7
77.5°	4029.9	3736.5	5322.0	10008.6	15224.2	16675.9	15733.4	11167.0	7241.9	4416.0	2771.2
80°	1054.9	1053.5	1608.3	4537.7	10353.7	12314.7	10803.7	7211.6	4137.8	1577.9	764.6
82.5°	436.2	425.7	591.3	1764.8	5059.0	6910.6	5639.8	3216.7	1494.3	427.1	253.9
85°	162.7	161.1	287.3	609.6	1784.6	2850.3	2062.8	822.4	372.5	208.3	114.0
87.5°	45.6	44.1	62.3	211.3	434.8	659.8	352.7	135.3	104.9	82.1	33.4
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°	3277.4	3277.4	3277.4	3277.4	3277.4	3277.4	3277.4	3277.4	3277.4	3277.4	3277.4
2.5°	3288.1	3295.7	3309.3	3320.0	3333.7	3348.9	3370.2	3383.8	3397.6	3406.7	3400.5
5°	3301.7	3318.4	3353.4	3388.4	3429.4	3467.5	3511.5	3543.4	3569.3	3576.9	3579.9
7.5°	3332.2	3359.5	3418.8	3478.1	3543.4	3605.7	3669.6	3724.3	3768.4	3785.1	3786.7
10°	3385.4	3421.9	3505.5	3589.0	3675.8	3771.5	3853.6	3932.6	3994.9	4020.8	4022.3
12.5°	3452.2	3497.8	3607.3	3722.8	3842.9	3975.2	4081.6	4178.9	4256.4	4291.4	4291.4
15°	3538.9	3598.2	3738.1	3893.1	4069.5	4253.3	4388.6	4496.6	4583.2	4625.8	4622.8
17.5°	3633.1	3712.1	3888.5	4122.7	4375.0	4616.7	4774.8	4853.8	4943.5	4984.6	4983.0
20°	3724.3	3821.6	4074.0	4414.5	4750.5	5007.3	5135.0	5156.4	5162.4	5166.9	5179.1
22.5°	3818.6	3949.3	4306.5	4782.3	5142.6	5320.5	5338.7	5247.5	5119.9	5060.5	5077.2
25°	3922.0	4095.3	4610.6	5188.2	5480.2	5501.4	5361.6	5139.6	4897.9	4787.0	4803.7
27.5°	4022.3	4264.0	4975.5	5575.9	5723.3	5536.3	5235.4	4920.7	4628.8	4511.7	4525.5
30°	4122.7	4457.1	5378.3	5914.9	5834.3	5449.7	5036.2	4685.1	4391.7	4268.6	4282.2
32.5°	4224.4	4682.0	5841.9	6159.6	5814.5	5265.7	4788.5	4420.6	4162.1	4033.0	4049.7
35°	4340.1	4958.7	6281.2	6293.4	5682.3	4995.2	4461.6	4104.4	3879.4	3776.0	3798.9
37.5°	4490.5	5309.9	6668.9	6326.8	5451.3	4598.5	4055.7	3730.4	3545.0	3497.8	3531.3
40°	4677.5	5732.4	6965.3	6273.6	5109.2	4116.5	3611.9	3352.0	3247.0	3257.7	3294.1
42.5°	4920.7	6205.2	7173.6	6136.8	4633.4	3619.5	3222.7	3107.2	3157.3	3199.9	3239.4
45°	5236.9	6696.2	7302.8	5904.2	4095.3	3198.4	2993.2	3020.6	3058.5	3063.1	3093.4
47.5°	5641.3	7193.3	7387.9	5553.0	3546.5	2902.0	2847.2	2853.3	2845.7	2813.8	2838.1
50°	6145.9	7676.7	7463.9	5087.9	3079.8	2716.5	2643.6	2622.3	2517.4	2414.0	2427.7
52.5°	6720.5	8120.6	7495.8	4510.3	2716.5	2561.5	2442.9	2309.1	2113.0	2081.1	2091.7
55°	7359.0	8531.1	7413.7	3800.4	2410.9	2362.3	2182.9	2021.8	2000.5	1973.1	1977.7
57.5°	8122.1	8973.4	7246.5	3008.4	2097.8	2129.7	1954.9	1973.1	1935.1	1892.6	1885.0
60°	8956.7	9430.9	6953.1	2286.3	1774.0	1839.4	1895.6	1894.1	1883.4	1848.5	1836.3
62.5°	9707.7	9732.0	6375.5	1751.2	1489.7	1614.4	1767.9	1766.4	1757.3	1737.5	1729.9
65°	10154.6	9686.4	5411.7	1378.7	1255.6	1429.0	1594.6	1606.8	1608.3	1606.8	1606.8
67.5°	10075.5	9152.7	4089.1	1097.6	1062.6	1240.5	1422.9	1439.6	1451.7	1454.8	1457.9
70°	9181.6	7980.8	2666.3	875.6	890.8	1074.7	1260.2	1276.9	1287.6	1299.7	1305.8
72.5°	7156.9	5867.7	1526.2	708.4	740.4	931.8	1099.1	1118.8	1124.9	1147.7	1156.8
75°	4361.3	3450.8	823.9	557.9	608.0	796.5	939.4	962.3	972.9	1000.3	1003.3
77.5°	2073.5	1494.3	469.8	434.8	489.4	650.7	793.6	819.4	790.5	805.6	793.6
80°	700.8	554.8	296.4	331.4	373.9	507.7	635.4	661.2	600.4	597.4	591.3
82.5°	244.8	225.0	188.5	220.4	241.7	363.4	480.3	513.8	446.9	445.4	424.1
85°	95.7	91.2	104.9	120.1	144.4	223.4	316.2	332.9	275.1	221.9	218.9
87.5°	19.8	21.3	25.8	27.4	44.1	77.5	114.0	139.8	111.0	94.3	86.6
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)