

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: P965006

Luminaire Tested: **NVN-SB3D-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P965006
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB3D-722-U-T2
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25615.8 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

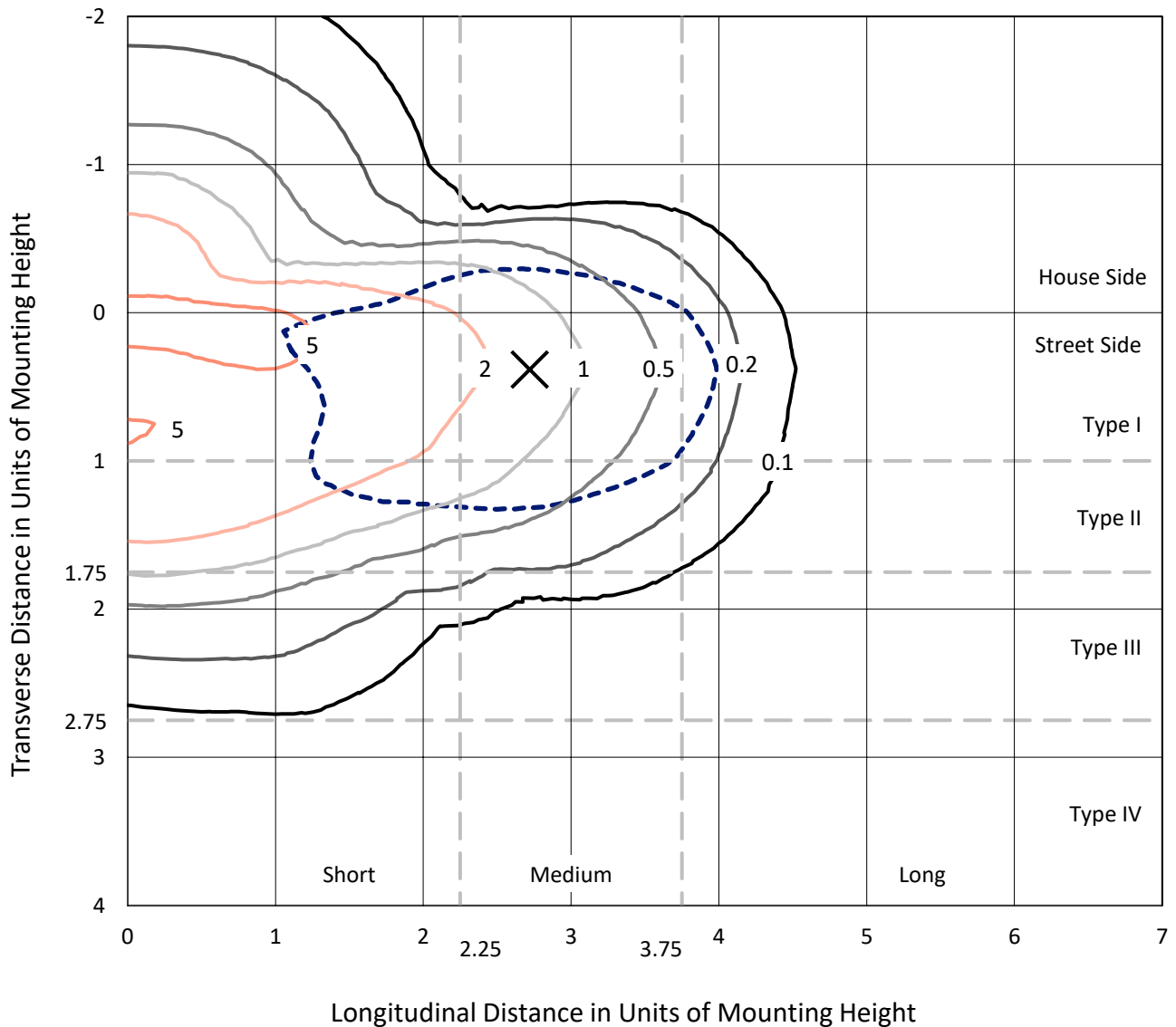
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

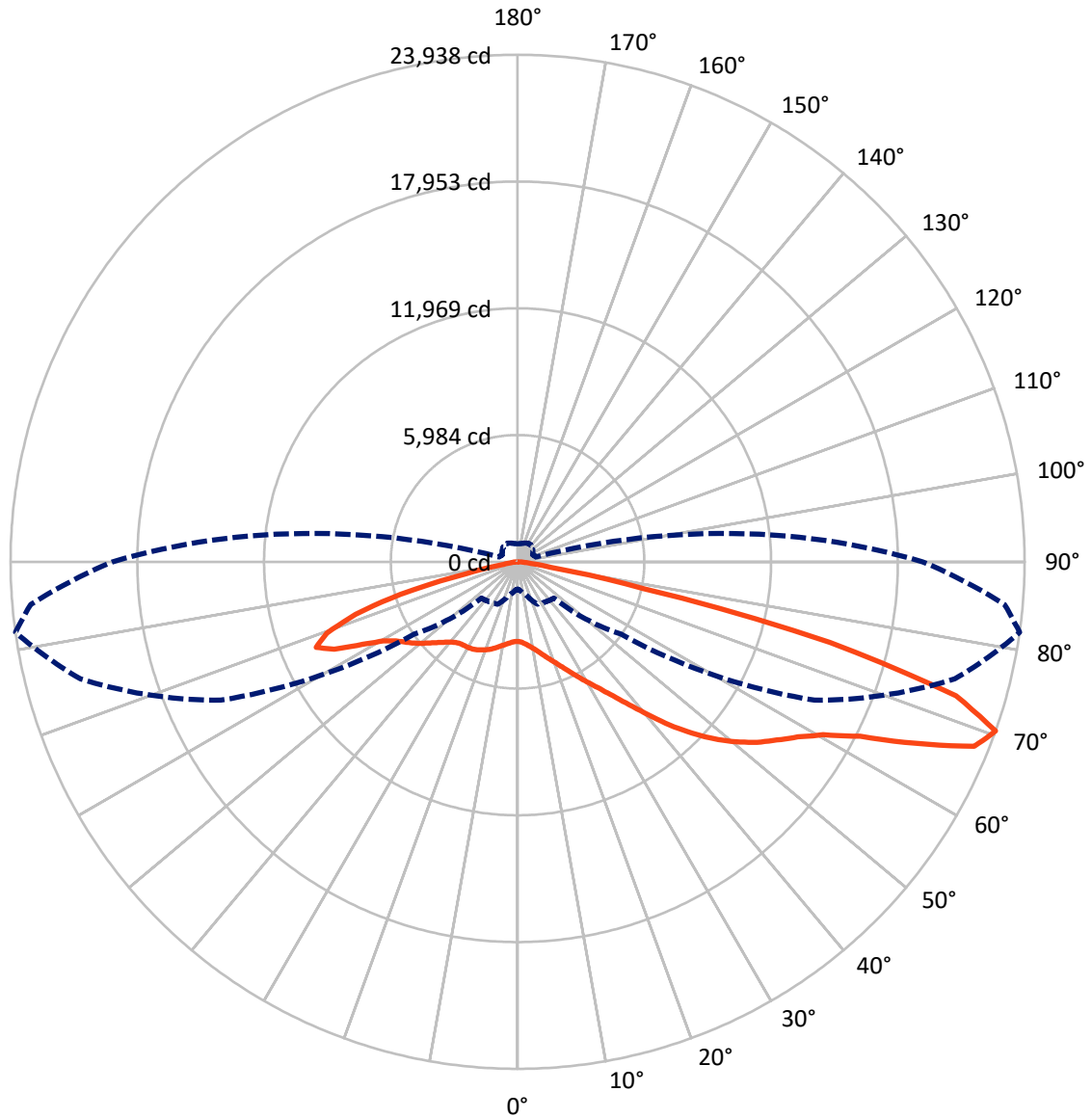
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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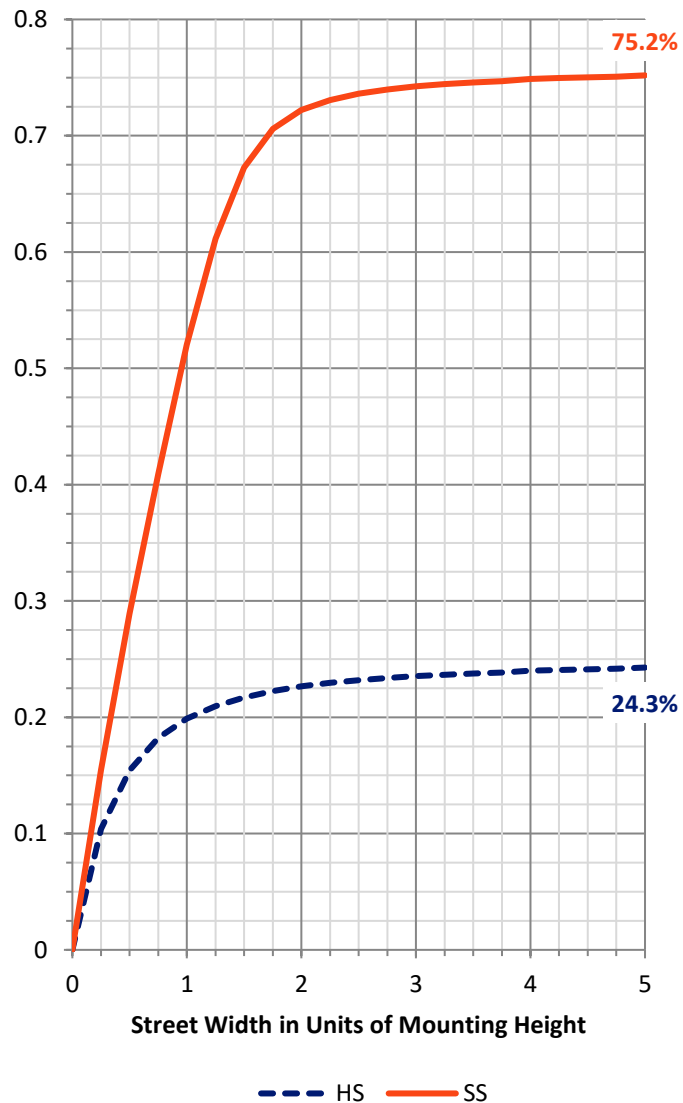
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6314.9	0.0	6314.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	19300.9	0.0	19300.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	25615.8	0.0	25615.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.6	1.4
10°-20°	1018.8	4.0
20°-30°	1704.3	6.7
30°-40°	2662.6	10.4
40°-50°	4240.4	16.6
50°-60°	5901.1	23.0
60°-70°	6172.8	24.1
70°-80°	3226.2	12.6
80°-90°	335.0	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°	25615.8	100.0
0°-180°	25615.8	100.0

Coefficient of Utilization

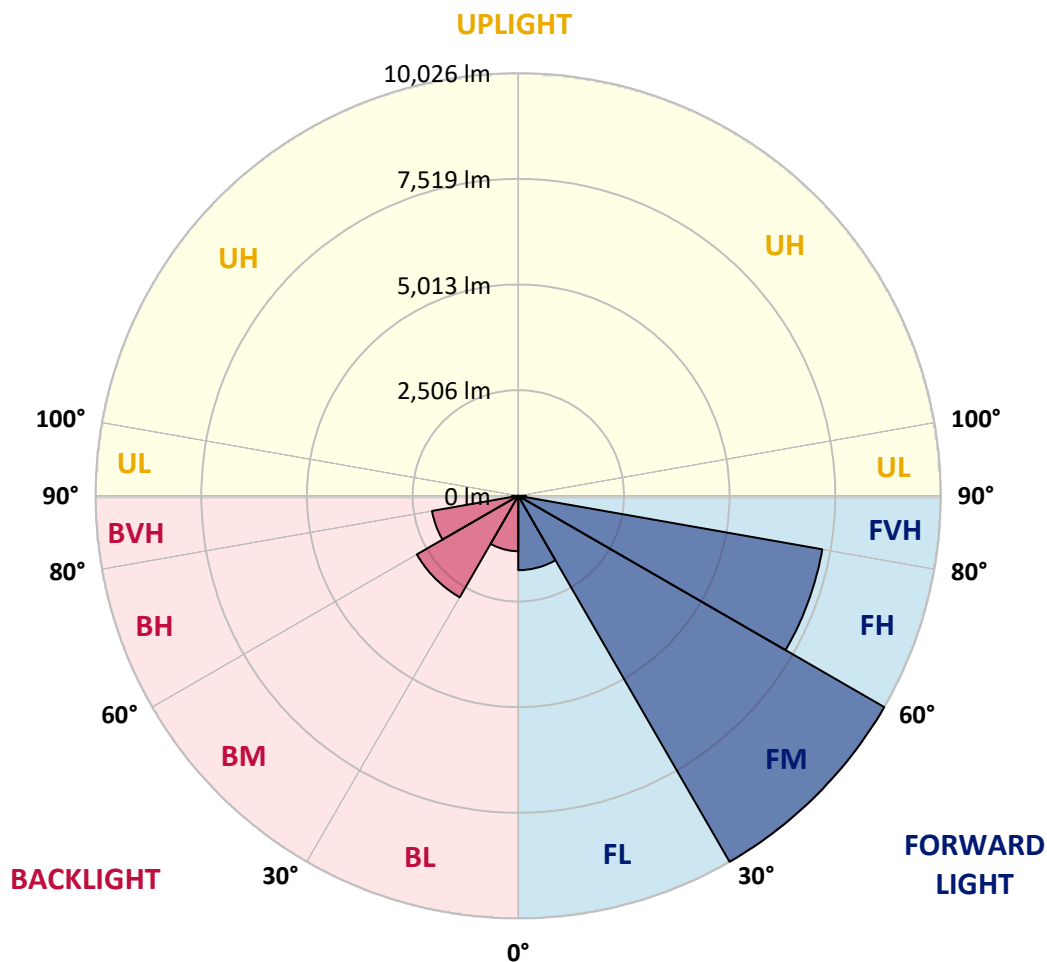


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1763.9	6.9			
FM (30°-60°)	10025.8	39.1			
FH (60°-80°)	7323.6	28.6			G3/7500
FVH (80°-90°)	187.5	0.7			G2/225
BL (0°-30°)	1313.7	5.1	B3/2500		
BM (30°-60°)	2778.3	10.8	B3/5000		
BH (60°-80°)	2075.4	8.1	B3/2500		G3/2500
BVH (80°-90°)	147.5	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	3755.6	3755.6	3755.6	3755.6	3755.6	3755.6	3755.6	3755.6	3755.6	3755.6	3755.6
2.5°	3845.3	3867.0	3860.3	3853.5	3853.5	3844.0	3842.6	3829.0	3818.1	3800.5	3796.4
5°	3894.3	3917.3	3914.6	3920.1	3937.7	3941.8	3945.8	3937.7	3916.0	3894.3	3884.7
7.5°	3850.7	3876.6	3884.7	3917.3	3971.7	4020.7	4057.4	4072.3	4051.9	4020.7	4005.7
10°	3703.9	3732.4	3761.0	3838.5	3935.0	4050.6	4148.4	4206.9	4202.8	4172.9	4147.0
12.5°	3406.3	3436.2	3497.3	3648.2	3824.9	4028.8	4210.9	4333.3	4375.4	4353.7	4308.8
15°	3168.4	3194.2	3240.4	3395.4	3625.1	3935.0	4234.1	4471.9	4579.3	4567.1	4512.7
17.5°	3161.6	3172.5	3201.0	3274.5	3451.1	3788.2	4209.6	4607.9	4813.1	4811.8	4743.8
20°	3281.2	3285.3	3301.6	3316.6	3417.1	3676.8	4147.0	4720.6	5075.4	5075.4	5002.0
22.5°	3447.1	3444.3	3460.6	3447.1	3496.0	3667.2	4107.7	4819.9	5367.6	5389.4	5297.0
25°	3695.7	3682.2	3678.1	3646.8	3656.4	3755.6	4151.1	4932.7	5714.3	5759.2	5643.5
27.5°	4027.4	4005.7	3990.7	3918.7	3894.3	3937.7	4284.3	5068.6	6100.3	6177.8	6031.0
30°	4459.7	4420.3	4398.5	4273.4	4185.1	4191.9	4485.5	5249.4	6504.0	6629.1	6442.8
32.5°	5049.6	4988.5	4929.9	4724.7	4563.0	4510.0	4745.1	5499.5	6941.7	7141.5	6902.2
35°	5710.2	5661.3	5598.8	5282.0	5033.3	4911.0	5095.8	5848.9	7454.1	7770.8	7459.5
37.5°	6346.3	6304.2	6334.1	5907.3	5586.5	5408.4	5555.2	6317.8	8086.1	8553.7	8158.2
40°	7004.2	6971.5	6975.6	6567.9	6194.1	5994.3	6112.5	6906.3	8810.6	9484.8	8998.2
42.5°	7719.2	7694.7	7613.1	7251.6	6831.5	6645.4	6754.1	7585.9	9588.2	10545.0	9919.7
45°	8519.7	8504.8	8428.7	8014.1	7532.9	7323.6	7470.4	8336.2	10369.7	11542.7	10845.4
47.5°	9211.6	9223.9	9214.3	8865.0	8366.2	8059.0	8234.3	9119.2	11096.9	12480.6	11733.0
50°	9544.6	9608.5	9702.2	9593.6	9283.6	8971.0	9005.0	9875.0	11790.1	13360.1	12583.9
52.5°	9370.7	9491.6	9747.1	9921.1	10040.7	9975.5	9884.4	10625.3	12442.5	14153.8	13388.6
55°	8722.2	8892.2	9316.2	9736.3	10346.6	10820.9	10940.5	11457.0	13078.7	14852.5	14149.7
57.5°	7541.1	7817.1	8197.6	9047.2	10074.7	11230.1	12172.1	12611.1	13752.8	15598.7	14946.2
60°	5515.8	5885.5	6358.6	7622.6	9123.2	11011.3	13220.0	14383.5	14711.1	16565.1	15983.3
62.5°	3530.0	3758.3	4193.3	5384.0	7108.9	9889.8	13540.8	16599.1	16335.4	18150.0	17538.4
65°	2416.7	2563.5	2961.8	3630.6	4595.6	7361.7	12681.7	18260.1	18915.2	20661.8	20197.0
67.5°	1756.1	1867.7	2207.4	2793.2	2994.4	4356.4	9840.9	18184.0	21423.0	23249.9	22526.7
70°	1280.4	1359.3	1644.7	2207.4	2303.9	2423.5	5961.6	15457.3	21368.7	23937.6	23071.8
72.5°	948.7	1003.2	1194.7	1712.7	1864.9	1636.5	2950.9	11234.2	18362.1	21651.4	20956.8
75°	686.4	727.2	868.6	1310.4	1492.4	1246.4	1472.1	6565.1	12808.2	15230.4	15352.7
77.5°	524.7	556.0	648.3	959.6	1194.7	935.2	913.4	3020.3	6073.1	6103.1	6445.5
80°	421.4	441.8	492.0	675.6	916.1	700.0	595.3	1219.2	1919.2	1624.3	1704.5
82.5°	309.9	343.9	415.9	474.4	655.2	482.6	363.0	615.7	729.9	628.0	633.4
85°	176.7	199.8	251.4	339.8	418.6	295.0	208.0	273.2	339.8	278.6	248.8
87.5°	62.5	81.6	88.4	133.2	182.1	122.3	80.2	78.8	111.4	82.9	69.3
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°	3755.6	3755.6	3755.6	3755.6	3755.6	3755.6	3755.6	3755.6	3755.6	3755.6	3755.6
2.5°	3782.8	3776.0	3748.8	3712.1	3674.0	3637.3	3625.1	3599.3	3581.7	3572.1	3583.0
5°	3858.9	3837.2	3773.2	3691.7	3606.1	3513.6	3448.4	3388.5	3345.1	3304.3	3320.6
7.5°	3967.7	3929.5	3819.5	3676.8	3524.6	3370.9	3256.7	3169.7	3111.3	3073.3	3081.5
10°	4094.1	4035.6	3867.0	3653.6	3418.5	3198.3	3063.7	2989.0	2952.3	2931.9	2937.3
12.5°	4239.5	4156.6	3916.0	3600.6	3256.7	3005.3	2912.8	2891.1	2892.4	2893.9	2896.5
15°	4418.9	4303.4	3955.4	3485.1	3046.1	2857.1	2840.8	2876.1	2912.8	2930.6	2929.1
17.5°	4621.4	4458.3	3962.2	3294.8	2839.5	2762.0	2813.6	2889.8	2945.4	2969.9	2975.4
20°	4838.9	4616.0	3913.2	3025.7	2669.5	2684.5	2776.9	2874.8	2936.0	2967.3	2975.4
22.5°	5087.7	4784.5	3796.4	2743.0	2530.9	2600.2	2709.0	2804.1	2868.1	2899.3	2907.4
25°	5371.7	4973.5	3612.9	2505.1	2411.3	2505.1	2613.9	2692.7	2744.3	2772.8	2781.0
27.5°	5687.1	5170.6	3368.3	2316.2	2306.7	2407.2	2496.9	2558.1	2585.3	2607.0	2615.2
30°	6003.7	5350.0	3071.9	2173.4	2215.5	2310.8	2374.6	2401.8	2410.0	2414.0	2423.5
32.5°	6346.3	5505.0	2760.6	2055.2	2128.6	2217.0	2255.0	2267.2	2229.2	2203.3	2211.5
35°	6760.9	5670.8	2456.1	1961.4	2042.9	2119.1	2131.3	2120.4	2075.5	2022.5	2025.3
37.5°	7273.3	5877.3	2212.9	1894.8	1962.8	2013.0	1998.1	1995.4	1999.5	1936.9	1941.0
40°	7901.3	6146.5	2034.8	1843.2	1897.5	1908.3	1866.2	1889.4	1909.8	1814.6	1817.3
42.5°	8598.6	6471.3	1922.0	1807.8	1843.2	1817.3	1752.0	1777.9	1775.2	1650.1	1648.7
45°	9309.5	6824.8	1882.5	1782.0	1792.8	1741.2	1669.1	1676.0	1618.9	1506.0	1510.1
47.5°	10016.3	7204.0	1907.0	1760.2	1730.3	1671.9	1616.1	1586.2	1501.9	1417.7	1417.7
50°	10709.5	7602.2	1996.7	1716.8	1644.7	1610.7	1569.9	1516.9	1427.2	1355.2	1349.7
52.5°	11352.4	8003.2	2097.4	1644.7	1537.3	1557.7	1531.9	1470.7	1382.3	1308.9	1310.4
55°	11961.3	8404.2	2136.7	1545.5	1436.7	1511.5	1496.5	1383.7	1277.7	1217.9	1212.5
57.5°	12624.6	8886.8	2093.3	1419.0	1355.2	1458.5	1401.4	1276.3	1215.1	1170.3	1166.2
60°	13543.5	9643.8	1999.5	1262.7	1277.7	1379.6	1281.8	1230.1	1163.5	1113.3	1110.5
62.5°	15070.0	11056.1	1848.6	1107.8	1186.6	1262.7	1224.7	1173.0	1105.1	1056.2	1056.2
65°	17326.3	13018.8	1564.5	986.8	1084.7	1148.5	1163.5	1111.8	1041.2	989.5	992.2
67.5°	19229.2	14250.4	1183.9	886.2	980.0	1056.2	1098.3	1048.0	973.2	922.9	924.2
70°	19124.6	13356.0	903.9	787.0	887.5	965.0	1019.5	980.0	899.8	852.3	856.3
72.5°	16986.5	11173.0	731.2	686.4	793.8	869.9	935.2	905.3	823.7	777.5	777.5
75°	12479.3	7931.1	584.5	584.5	676.9	770.7	842.8	823.7	749.0	716.4	706.8
77.5°	5260.3	3327.5	458.1	485.2	562.7	661.9	751.6	758.5	693.2	734.0	666.0
80°	1398.6	917.5	349.3	381.9	441.8	546.4	653.8	651.1	580.4	542.3	504.3
82.5°	532.8	361.5	248.8	269.2	319.4	418.6	517.8	534.2	463.5	401.0	401.0
85°	205.2	155.0	153.5	161.7	186.2	277.3	391.4	405.1	349.3	296.3	305.9
87.5°	53.0	46.2	57.1	54.3	85.6	148.1	224.3	232.5	213.4	123.7	176.7
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)