

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: P968682

Luminaire Tested: **NVN-SB5C-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P968682
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB5C-722-U-SL3
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31306.6 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

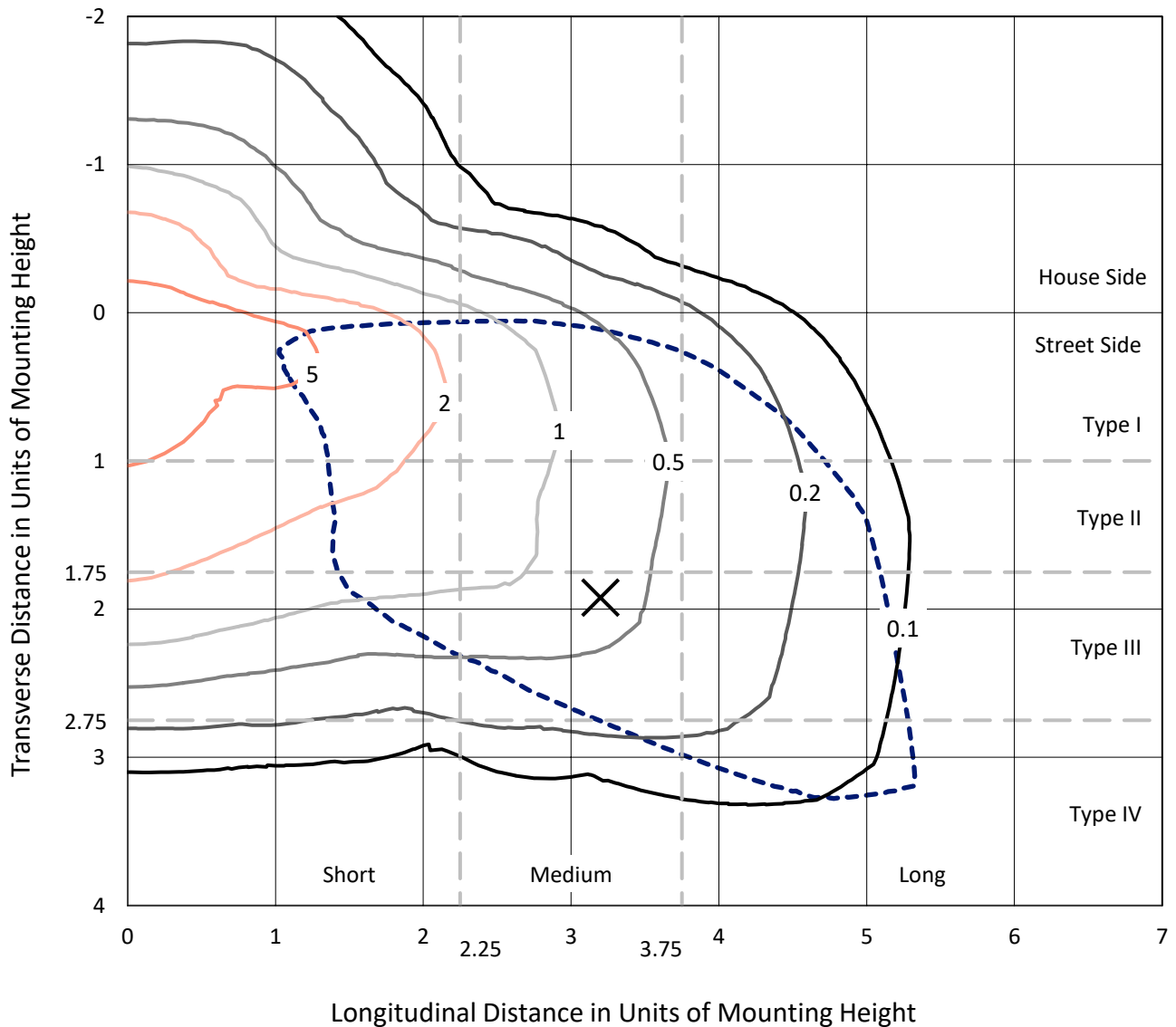
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

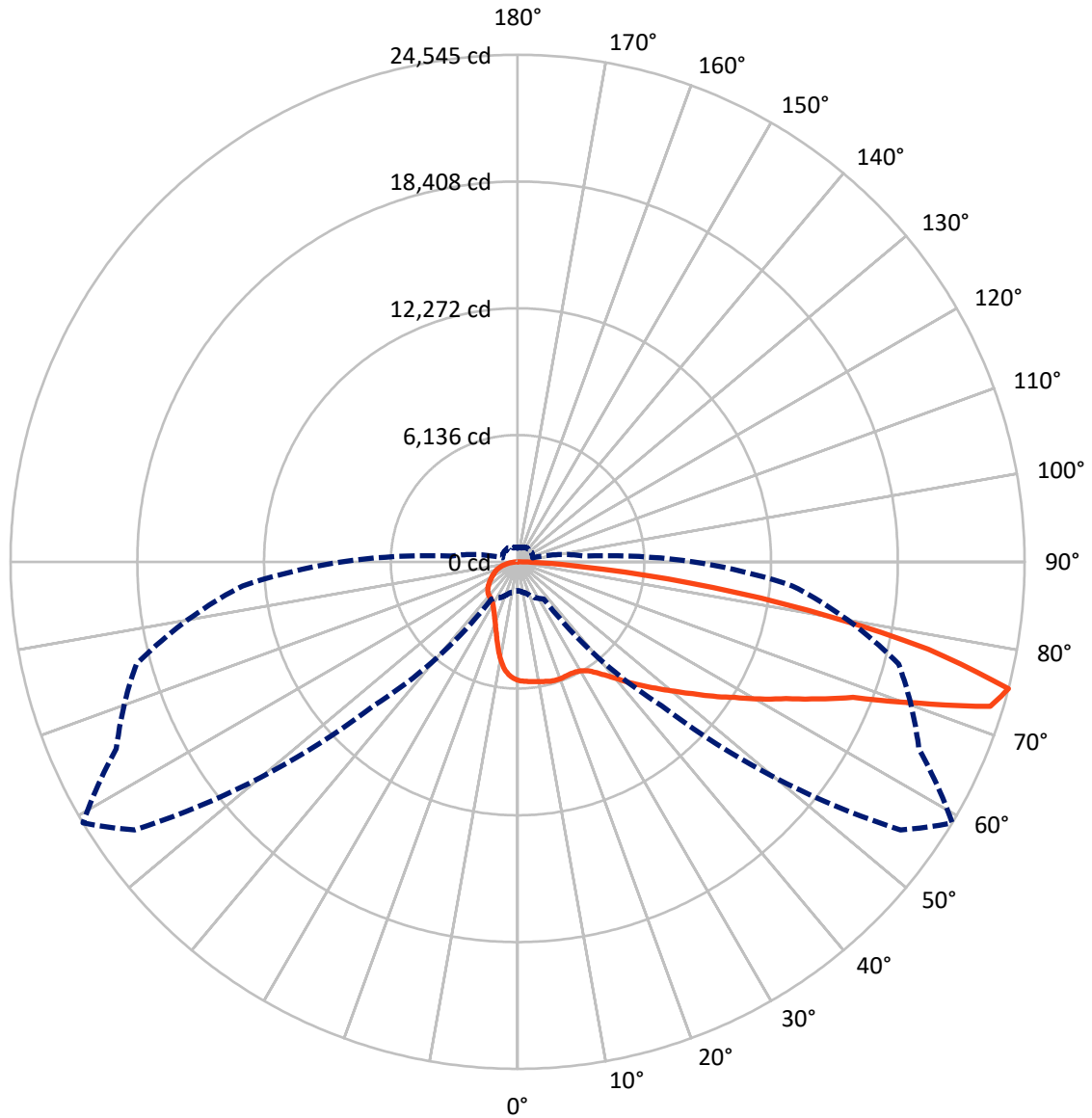
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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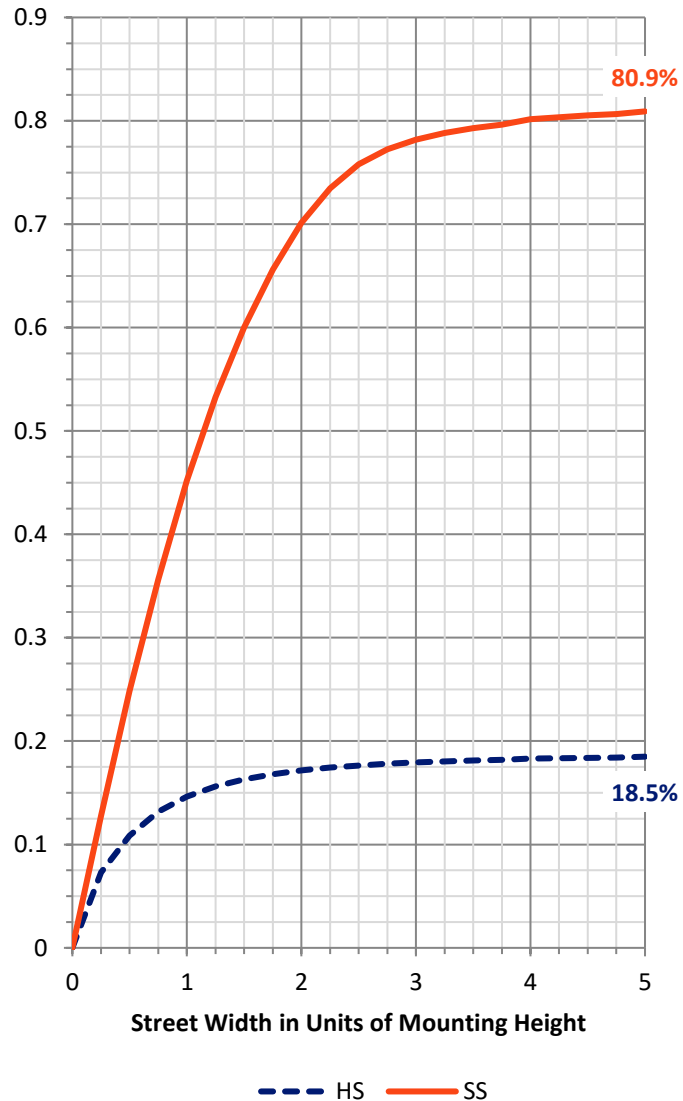
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5871.8	0.0	5871.8
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	25434.8	0.0	25434.8
	% Fixture	81.2	0.0	81.2
Total	Lumens	31306.6	0.0	31306.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	515.2	1.6
10°-20°	1317.0	4.2
20°-30°	2000.4	6.4
30°-40°	2973.6	9.5
40°-50°	4422.2	14.1
50°-60°	6002.6	19.2
60°-70°	7328.2	23.4
70°-80°	5751.1	18.4
80°-90°	996.2	3.2
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°	31306.6	100.0
0°-180°	31306.6	100.0

Coefficient of Utilization

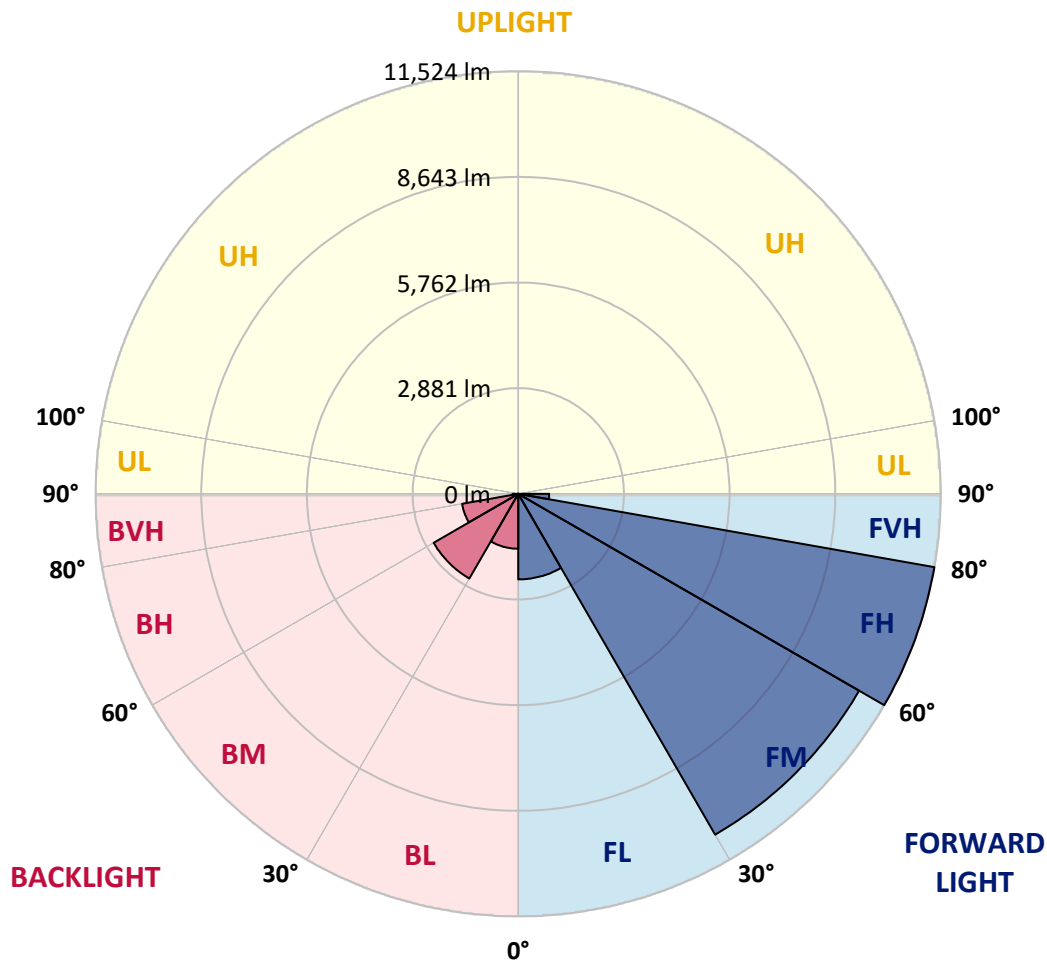


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2334.2	7.5			
FM (30°-60°)	10733.2	34.3			
FH (60°-80°)	11523.6	36.8			G4/12000
FVH (80°-90°)	843.7	2.7			G5
BL (0°-30°)	1498.4	4.8	B3/2500		
BM (30°-60°)	2665.2	8.5	B3/5000		
BH (60°-80°)	1555.6	5.0	B3/2500		G3/2500
BVH (80°-90°)	152.5	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	5746.3	5746.3	5746.3	5746.3	5746.3	5746.3	5746.3	5746.3	5746.3	5746.3	5746.3
2.5°	5795.0	5774.8	5795.0	5786.6	5783.3	5776.6	5778.2	5790.0	5783.3	5791.8	5763.1
5°	5756.4	5744.6	5764.8	5759.7	5781.6	5785.0	5806.8	5820.4	5828.8	5830.5	5808.6
7.5°	5692.3	5680.5	5709.2	5732.8	5780.0	5793.4	5838.9	5860.7	5872.5	5892.7	5860.7
10°	5458.2	5453.2	5523.9	5613.2	5724.3	5793.4	5862.5	5899.5	5918.0	5972.0	5934.9
12.5°	5043.9	5050.7	5143.3	5315.1	5537.5	5759.7	5889.4	5943.3	5972.0	6039.3	6022.5
15°	4648.2	4646.5	4747.6	4931.2	5242.7	5611.6	5902.9	5995.5	6044.3	6143.7	6130.2
17.5°	4419.2	4412.4	4483.1	4623.0	4912.6	5384.1	5869.2	6024.1	6128.6	6253.2	6241.4
20°	4377.1	4363.6	4400.6	4469.7	4675.1	5134.9	5781.6	6024.1	6195.9	6357.6	6350.9
22.5°	4530.3	4508.5	4493.3	4484.9	4575.8	4929.4	5682.3	6003.9	6295.2	6507.5	6495.7
25°	4838.5	4804.8	4727.4	4651.6	4624.6	4836.9	5594.7	5998.9	6443.5	6709.5	6665.8
27.5°	5337.0	5294.9	5138.3	4956.4	4793.0	4884.0	5555.9	6029.2	6606.8	6923.5	6835.9
30°	5955.0	5909.6	5712.5	5433.0	5140.0	5059.1	5604.8	6118.4	6815.6	7208.1	7036.3
32.5°	6509.2	6458.6	6290.2	6005.6	5609.8	5362.3	5759.7	6288.6	7144.0	7603.9	7337.8
35°	7001.0	6942.0	6790.4	6527.7	6185.8	5788.4	6039.3	6590.0	7610.6	8247.2	7746.9
37.5°	7482.6	7413.5	7248.5	6970.6	6731.5	6355.9	6425.0	6977.4	8230.3	9028.6	8289.3
40°	8021.5	7922.1	7721.7	7447.2	7214.8	7021.1	6931.9	7452.3	8860.2	9901.0	8966.3
42.5°	8543.6	8449.3	8210.1	7976.0	7684.7	7629.1	7519.6	8008.0	9549.0	10859.3	9653.4
45°	9106.1	8993.2	8703.6	8407.2	8223.6	8033.3	8088.9	8563.8	10224.4	11836.1	10374.2
47.5°	9633.3	9506.9	9165.0	8835.0	8733.9	8373.5	8610.9	9175.2	10926.6	12826.3	11088.3
50°	9917.8	9793.3	9508.6	9210.5	9131.3	8792.9	9176.8	9847.1	11662.6	13813.2	11773.8
52.5°	10155.3	10020.6	9648.4	9483.3	9459.7	9249.3	9874.0	10615.1	12398.6	14685.6	12435.6
55°	10408.0	10258.0	9783.1	9634.9	9742.7	9761.2	10701.0	11485.7	13176.7	15536.1	13060.4
57.5°	10699.3	10509.0	9912.8	9762.9	10018.9	10360.8	11650.8	12388.5	13941.2	16324.3	13616.2
60°	10973.8	10781.8	10162.1	9966.7	10316.9	11056.3	12740.4	13481.4	14806.8	17026.6	14141.6
62.5°	11027.7	10869.4	10360.8	10359.1	10721.2	11868.1	14030.5	14584.5	15563.1	17720.4	14613.2
65°	10094.7	9995.3	9693.8	10343.9	11300.5	13036.9	15467.0	15995.8	16524.6	18326.7	15027.5
67.5°	7683.0	7696.5	7674.6	8929.3	10832.3	14715.9	17547.0	17506.5	17712.0	19007.1	15504.1
70°	3513.1	3592.2	4107.6	6163.9	8678.4	14909.6	20986.0	20462.2	19202.5	19887.9	15916.7
72.5°	1898.0	1958.7	2169.2	2985.9	5217.5	13255.8	23555.9	23928.1	21184.7	20480.7	15463.7
75°	1392.8	1426.5	1573.0	1898.0	2191.0	9852.2	22634.7	24544.5	21432.2	19098.0	13353.5
77.5°	1042.5	1057.6	1177.2	1503.9	1121.7	5193.9	18085.9	20327.5	18346.9	15691.0	9864.0
80°	756.1	773.1	862.2	1128.3	786.5	1899.7	12418.8	14268.0	12565.3	10002.1	4916.0
82.5°	522.0	528.8	567.5	767.9	549.0	737.7	7046.4	8366.8	7014.4	3509.7	1327.1
85°	315.0	323.4	340.2	448.0	311.6	350.3	3041.6	3145.9	2096.7	838.7	412.6
87.5°	129.7	138.1	151.6	188.6	122.9	97.7	501.8	629.9	392.4	245.9	128.0
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°	5746.3	5746.3	5746.3	5746.3	5746.3	5746.3	5746.3	5746.3	5746.3	5746.3	5746.3
2.5°	5754.7	5742.9	5710.9	5667.1	5626.6	5576.2	5554.3	5535.7	5518.9	5486.9	5471.8
5°	5790.0	5758.0	5672.1	5561.0	5434.7	5296.6	5161.9	5069.2	4990.1	4931.2	4882.3
7.5°	5843.9	5783.3	5626.6	5399.3	5109.6	4813.2	4545.5	4355.1	4212.0	4159.8	4068.8
10°	5899.5	5827.1	5554.3	5153.4	4653.3	4196.9	3841.5	3646.1	3531.6	3494.5	3437.3
12.5°	5965.2	5859.1	5441.4	4811.6	4142.9	3642.7	3332.9	3218.4	3159.5	3139.3	3144.3
15°	6061.2	5886.1	5271.4	4383.8	3656.3	3238.6	3038.2	2959.0	2928.7	2927.0	2933.8
17.5°	6133.6	5891.1	5006.9	3925.7	3282.4	2994.3	2829.3	2799.1	2819.3	2849.5	2861.3
20°	6214.5	5845.6	4660.0	3508.1	3019.6	2780.5	2711.4	2731.6	2780.5	2824.3	2839.5
22.5°	6271.7	5763.1	4240.6	3183.0	2792.3	2657.5	2654.2	2696.3	2723.2	2745.2	2756.9
25°	6322.2	5623.4	3796.0	2910.2	2605.3	2583.4	2620.5	2607.0	2588.5	2607.0	2618.8
27.5°	6359.3	5402.7	3398.6	2671.0	2473.9	2533.0	2511.0	2480.7	2479.1	2489.1	2506.0
30°	6347.5	5108.0	3071.8	2443.7	2381.4	2438.6	2386.4	2381.4	2376.3	2381.4	2399.9
32.5°	6347.5	4772.8	2820.9	2287.1	2322.4	2300.5	2295.5	2283.7	2263.5	2261.8	2283.7
35°	6382.9	4437.6	2605.3	2202.8	2273.6	2221.4	2224.8	2196.1	2154.0	2133.7	2154.0
37.5°	6455.2	4168.3	2391.4	2162.4	2187.7	2186.0	2172.5	2123.7	2049.6	1985.6	2007.5
40°	6630.4	4089.0	2245.0	2143.9	2147.3	2167.5	2132.1	2037.8	1869.4	1764.9	1778.5
42.5°	6904.9	4222.1	2213.0	2098.4	2120.3	2140.5	2071.5	1852.6	1733.0	1670.6	1670.6
45°	7253.5	4454.5	2282.0	2032.8	2056.4	2091.7	1886.2	1781.9	1727.9	1729.6	1738.0
47.5°	7694.8	4698.7	2410.0	1975.5	1963.7	1983.9	1763.3	1699.2	1625.1	1643.7	1690.8
50°	8205.1	4946.2	2531.2	1898.0	1861.0	1795.3	1684.2	1623.5	1529.2	1485.4	1497.2
52.5°	8757.5	5185.5	2580.1	1803.7	1749.8	1674.0	1630.3	1556.2	1441.7	1369.2	1367.6
55°	9281.3	5402.7	2526.2	1690.8	1638.7	1579.7	1573.0	1527.5	1404.6	1303.5	1303.5
57.5°	9776.3	5584.6	2391.4	1576.3	1525.8	1490.5	1536.0	1514.0	1359.0	1229.4	1222.7
60°	10195.7	5709.2	2196.1	1460.1	1424.7	1406.2	1475.3	1468.5	1295.1	1150.3	1145.2
62.5°	10529.2	5758.0	1980.5	1349.0	1340.6	1306.9	1391.1	1391.1	1214.2	1072.8	1067.7
65°	10790.2	5710.9	1761.6	1239.5	1256.3	1205.8	1288.3	1278.3	1128.3	1003.8	997.0
67.5°	11020.9	5555.9	1519.0	1131.7	1170.4	1106.5	1180.6	1157.0	1034.0	934.7	927.9
70°	11123.7	5195.5	1242.9	1024.0	1071.1	1008.8	1072.8	1029.0	927.9	860.6	847.2
72.5°	10298.5	4318.1	978.5	911.1	951.5	901.0	956.6	906.1	813.4	783.1	757.9
75°	8520.0	3240.2	752.8	788.1	818.5	779.7	816.8	779.7	695.6	717.4	655.1
77.5°	6187.5	2187.7	575.9	658.5	672.0	651.8	683.8	641.6	565.9	560.8	535.6
80°	3076.9	1281.7	451.3	520.4	515.4	501.8	538.9	518.8	454.7	481.6	476.6
82.5°	890.9	549.0	328.4	365.4	355.4	358.7	385.7	395.8	592.9	587.7	601.3
85°	279.5	215.6	197.0	203.8	193.7	198.7	227.3	451.3	417.7	244.2	264.4
87.5°	72.5	74.1	48.8	52.2	53.9	64.0	72.5	274.5	131.4	85.9	90.9
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)