

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: P963939

Luminaire Tested: **NVN-SB3B-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P963939
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-SB3B-722-U-SL3
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13982 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

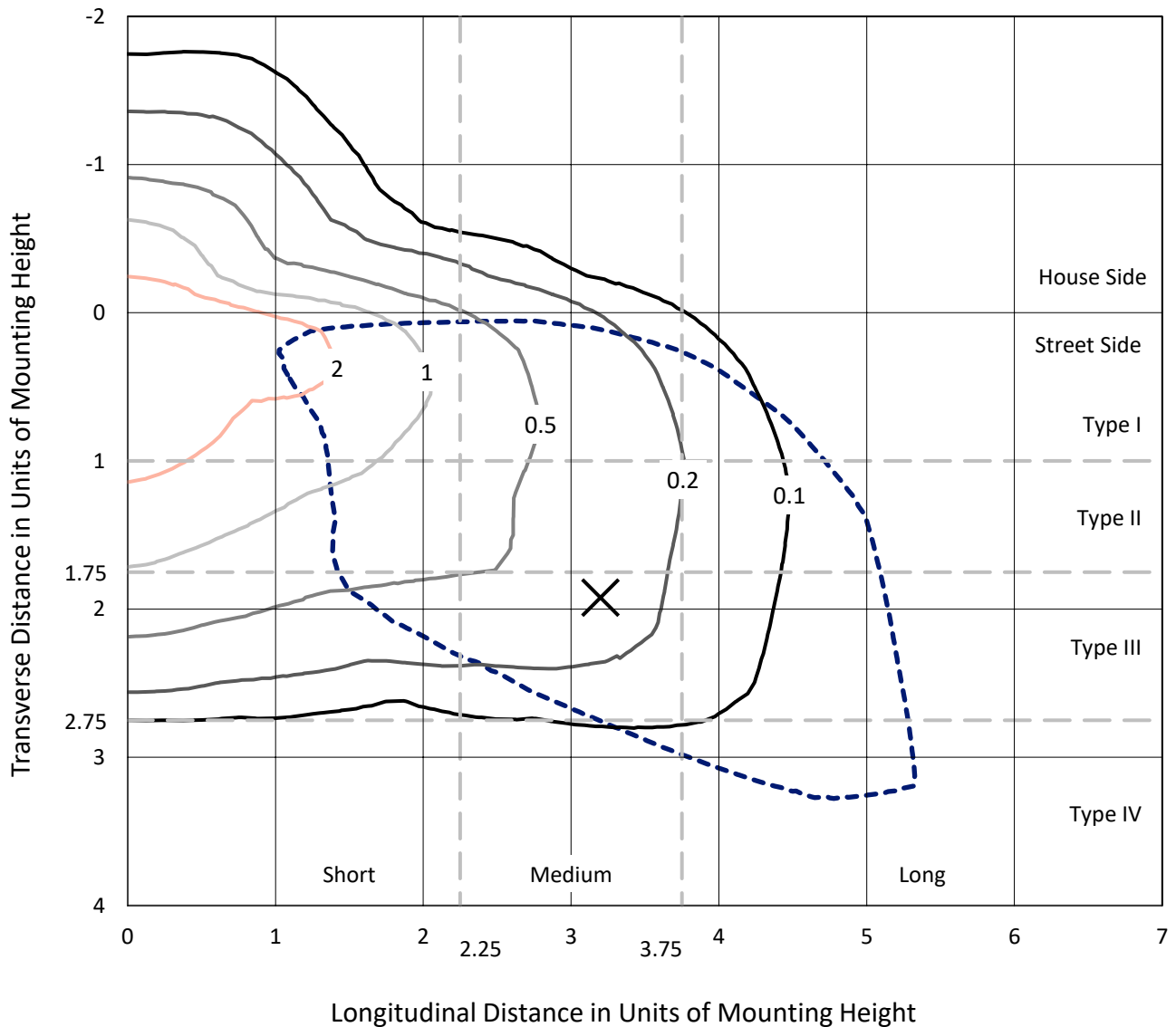
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

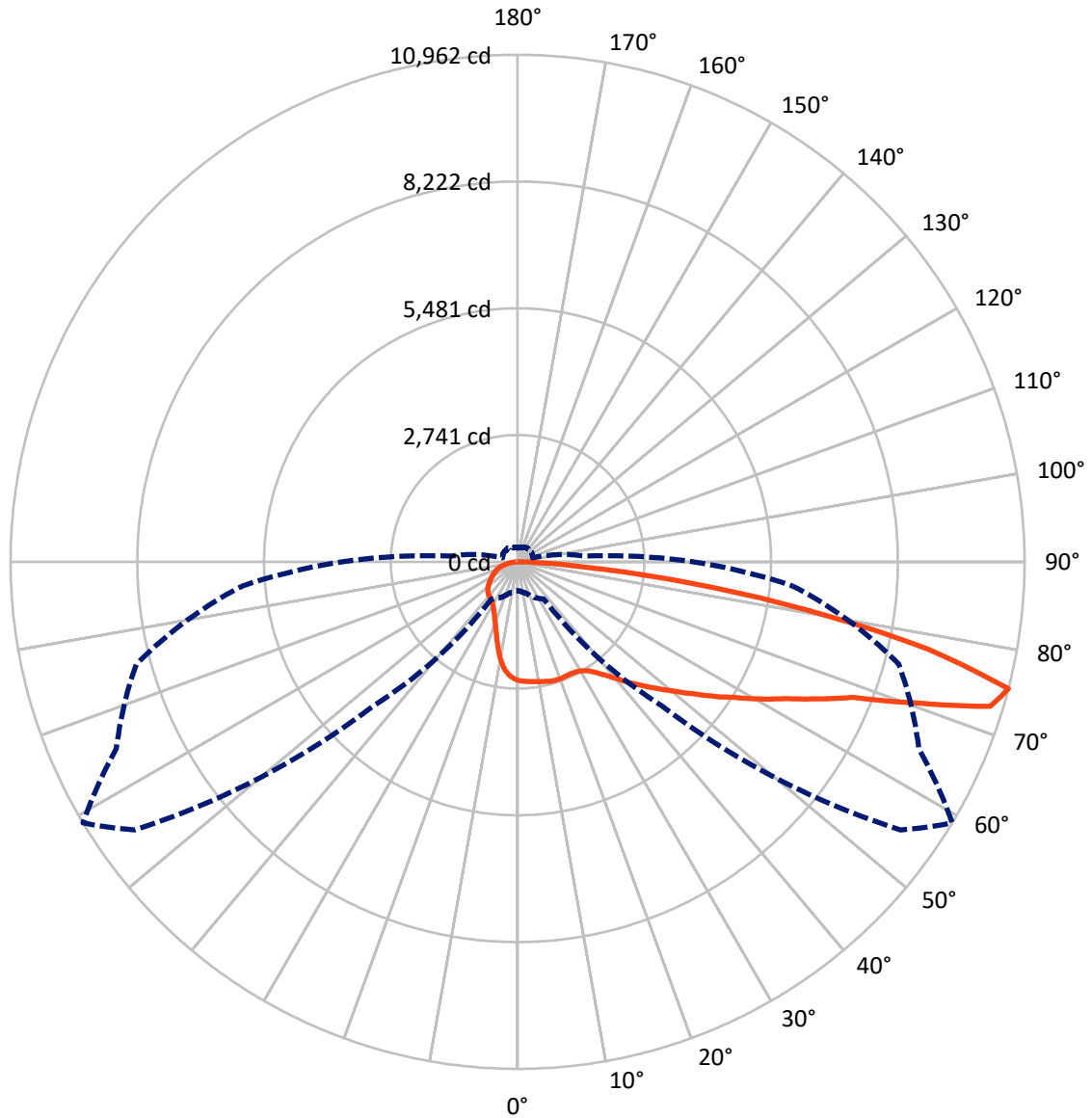
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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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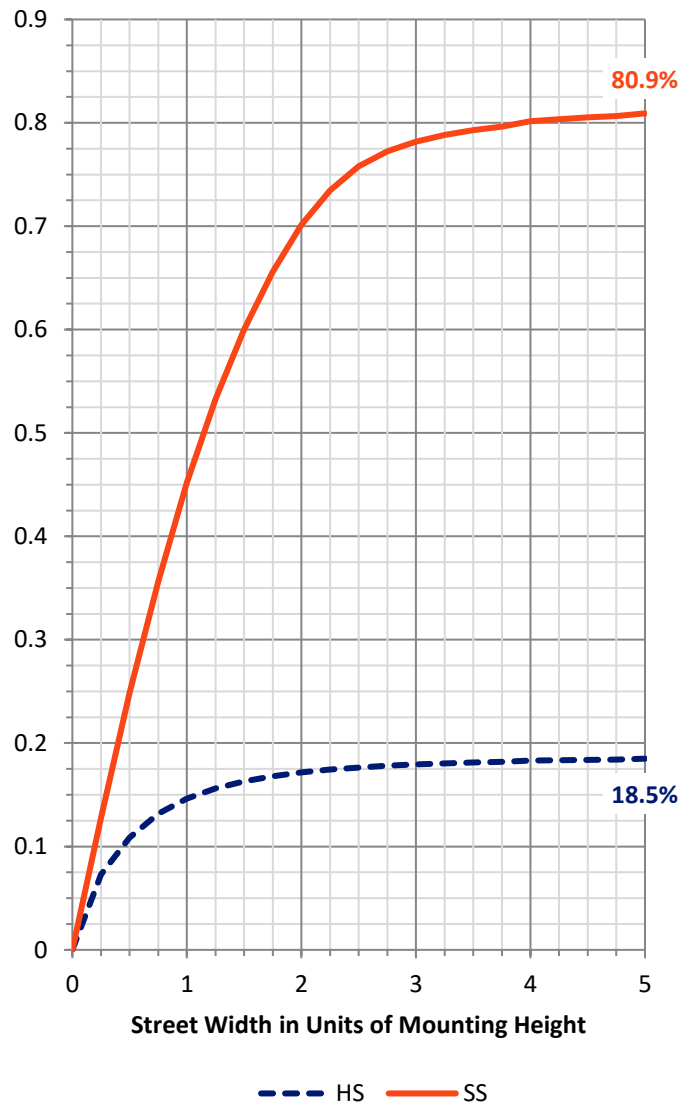
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2622.4	0.0	2622.4
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	11359.6	0.0	11359.6
	% Fixture	81.2	0.0	81.2
Total	Lumens	13982.0	0.0	13982.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.1	1.6
10°-20°	588.2	4.2
20°-30°	893.4	6.4
30°-40°	1328.0	9.5
40°-50°	1975.0	14.1
50°-60°	2680.9	19.2
60°-70°	3272.9	23.4
70°-80°	2568.5	18.4
80°-90°	444.9	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°	13982.0	100.0
0°-180°	13982.0	100.0

Coefficient of Utilization

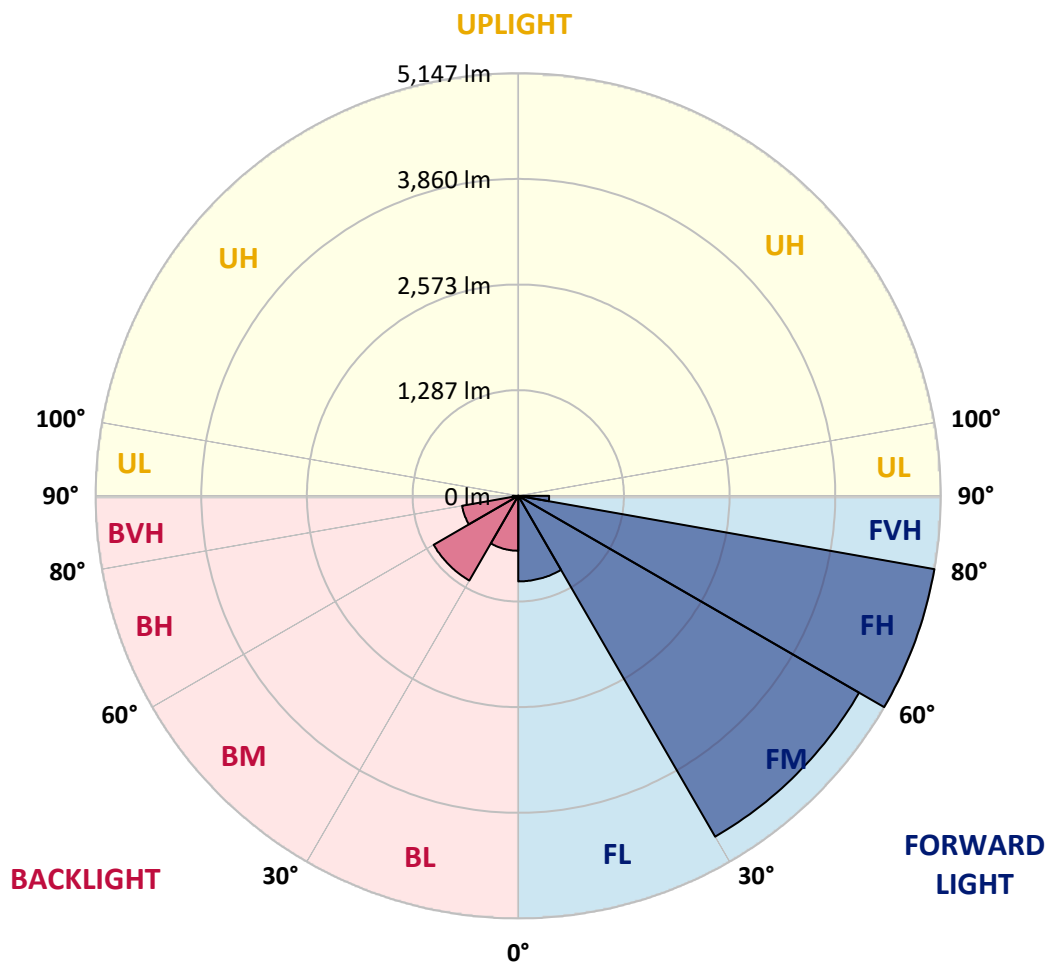


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1042.5	7.5			
FM (30°-60°)	4793.6	34.3			
FH (60°-80°)	5146.6	36.8			G3/7500
FVH (80°-90°)	376.8	2.7			G3/500
BL (0°-30°)	669.2	4.8	B2/1000		
BM (30°-60°)	1190.3	8.5	B2/2500		
BH (60°-80°)	694.8	5.0	B2/1000		G2/1000
BVH (80°-90°)	68.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2566.4	2566.4	2566.4	2566.4	2566.4	2566.4	2566.4	2566.4	2566.4	2566.4	2566.4
2.5°	2588.2	2579.1	2588.2	2584.4	2582.9	2579.9	2580.6	2586.0	2582.9	2586.7	2573.9
5°	2570.9	2565.6	2574.6	2572.3	2582.2	2583.7	2593.5	2599.5	2603.2	2604.0	2594.2
7.5°	2542.3	2537.1	2549.8	2560.3	2581.5	2587.4	2607.7	2617.5	2622.8	2631.8	2617.5
10°	2437.8	2435.5	2467.1	2506.9	2556.6	2587.4	2618.3	2634.9	2643.1	2667.2	2650.6
12.5°	2252.7	2255.7	2297.1	2373.8	2473.1	2572.3	2630.3	2654.3	2667.2	2697.3	2689.7
15°	2075.9	2075.2	2120.3	2202.3	2341.5	2506.2	2636.3	2677.7	2699.5	2743.9	2737.9
17.5°	1973.6	1970.7	2002.2	2064.7	2194.0	2404.6	2621.2	2690.5	2737.2	2792.8	2787.5
20°	1954.9	1948.8	1965.4	1996.2	2088.0	2293.3	2582.2	2690.5	2767.2	2839.4	2836.4
22.5°	2023.4	2013.5	2006.7	2003.0	2043.6	2201.6	2537.8	2681.4	2811.6	2906.4	2901.1
25°	2160.9	2145.9	2111.3	2077.5	2065.5	2160.2	2498.6	2679.1	2877.8	2996.6	2977.0
27.5°	2383.6	2364.8	2294.9	2213.6	2140.6	2181.3	2481.4	2692.8	2950.8	3092.1	3053.1
30°	2659.7	2639.4	2551.3	2426.5	2295.6	2259.5	2503.2	2732.5	3043.9	3219.2	3142.5
32.5°	2907.1	2884.6	2809.3	2682.2	2505.4	2394.9	2572.3	2808.6	3190.6	3396.0	3277.1
35°	3126.8	3100.4	3032.7	2915.4	2762.7	2585.2	2697.3	2943.2	3399.0	3683.3	3459.9
37.5°	3341.8	3311.1	3237.3	3113.2	3006.4	2838.6	2869.5	3116.2	3675.9	4032.3	3702.1
40°	3582.6	3538.2	3448.6	3326.0	3222.3	3135.8	3095.9	3328.3	3957.1	4422.0	4004.5
42.5°	3815.7	3773.5	3666.7	3562.2	3432.1	3407.3	3358.4	3576.5	4264.7	4849.9	4311.4
45°	4066.9	4016.6	3887.2	3754.8	3672.8	3587.8	3612.6	3824.7	4566.4	5286.1	4633.3
47.5°	4302.3	4246.0	4093.2	3945.8	3900.7	3739.7	3845.8	4097.7	4880.0	5728.4	4952.2
50°	4429.4	4373.8	4246.7	4113.5	4078.2	3927.0	4098.6	4397.9	5208.7	6169.2	5258.4
52.5°	4535.5	4475.4	4309.1	4235.4	4224.8	4130.9	4410.0	4740.8	5537.4	6558.9	5554.0
55°	4648.4	4581.4	4369.3	4303.2	4351.2	4359.5	4779.3	5129.7	5884.9	6938.6	5833.0
57.5°	4778.4	4693.5	4427.2	4360.2	4474.6	4627.3	5203.4	5532.8	6226.4	7290.7	6081.2
60°	4901.0	4815.3	4538.5	4451.3	4607.7	4937.9	5690.1	6021.1	6613.0	7604.4	6315.8
62.5°	4925.1	4854.4	4627.3	4626.5	4788.3	5300.5	6266.2	6513.7	6950.7	7914.2	6526.5
65°	4508.5	4464.1	4329.4	4619.8	5047.0	5822.5	6907.9	7144.0	7380.2	8185.0	6711.5
67.5°	3431.4	3437.3	3427.6	3988.0	4837.9	6572.4	7836.7	7818.7	7910.4	8488.8	6924.4
70°	1569.0	1604.3	1834.5	2752.9	3875.8	6658.9	9372.7	9138.7	8576.2	8882.2	7108.7
72.5°	847.7	874.7	968.8	1333.6	2330.2	5920.3	10520.5	10686.6	9461.5	9147.0	6906.3
75°	622.1	637.0	702.5	847.7	978.6	4400.1	10109.1	10962.0	9572.0	8529.5	5963.9
77.5°	465.6	472.3	525.7	671.7	500.9	2319.7	8077.4	9078.5	8194.1	7007.8	4405.4
80°	337.7	345.2	385.1	504.0	351.3	848.4	5546.4	6372.3	5611.9	4467.1	2195.5
82.5°	233.2	236.2	253.5	343.0	245.2	329.4	3147.1	3736.7	3132.7	1567.5	592.7
85°	140.6	144.4	151.9	200.1	139.2	156.4	1358.4	1405.1	936.4	374.5	184.3
87.5°	57.9	61.7	67.6	84.3	54.9	43.7	224.2	281.3	175.3	109.8	57.2
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°	2566.4	2566.4	2566.4	2566.4	2566.4	2566.4	2566.4	2566.4	2566.4	2566.4	2566.4
2.5°	2570.1	2564.9	2550.6	2531.0	2513.0	2490.4	2480.6	2472.3	2464.8	2450.6	2443.8
5°	2586.0	2571.6	2533.3	2483.7	2427.2	2365.5	2305.3	2264.0	2228.7	2202.3	2180.5
7.5°	2610.0	2582.9	2513.0	2411.4	2282.1	2149.6	2030.1	1945.0	1881.2	1857.8	1817.2
10°	2634.9	2602.5	2480.6	2301.6	2078.2	1874.4	1715.6	1628.4	1577.3	1560.8	1535.1
12.5°	2664.2	2616.7	2430.3	2148.9	1850.3	1626.9	1488.5	1437.4	1411.0	1402.0	1404.2
15°	2707.0	2628.8	2354.2	1957.9	1632.9	1446.4	1356.9	1321.5	1308.0	1307.3	1310.3
17.5°	2739.4	2631.1	2236.1	1753.3	1466.0	1337.3	1263.6	1250.1	1259.1	1272.6	1278.0
20°	2775.5	2610.8	2081.3	1566.7	1348.6	1241.8	1210.9	1220.0	1241.8	1261.4	1268.1
22.5°	2801.0	2573.9	1893.9	1421.6	1247.1	1186.9	1185.4	1204.2	1216.3	1226.0	1231.3
25°	2823.6	2511.5	1695.4	1299.7	1163.6	1153.8	1170.3	1164.3	1156.1	1164.3	1169.6
27.5°	2840.2	2413.0	1517.8	1192.9	1104.9	1131.3	1121.5	1107.9	1107.2	1111.7	1119.2
30°	2834.8	2281.3	1372.0	1091.4	1063.5	1089.2	1065.8	1063.5	1061.3	1063.5	1071.8
32.5°	2834.8	2131.6	1259.8	1021.4	1037.2	1027.5	1025.2	1020.0	1010.9	1010.1	1020.0
35°	2850.7	1981.9	1163.6	983.8	1015.4	992.1	993.6	980.8	962.0	952.9	962.0
37.5°	2883.0	1861.6	1068.0	965.8	977.0	976.3	970.3	948.4	915.4	886.8	896.6
40°	2961.2	1826.2	1002.7	957.5	959.0	968.0	952.2	910.1	834.9	788.2	794.3
42.5°	3083.8	1885.7	988.3	937.2	947.0	956.0	925.2	827.4	774.0	746.1	746.1
45°	3239.5	1989.4	1019.2	907.8	918.4	934.2	842.4	795.8	771.7	772.4	776.2
47.5°	3436.6	2098.5	1076.4	882.3	877.0	886.0	787.5	758.9	725.8	734.1	755.1
50°	3664.5	2209.1	1130.5	847.7	831.2	801.8	752.1	725.1	683.0	663.4	668.7
52.5°	3911.2	2315.9	1152.3	805.5	781.5	747.6	728.1	694.9	643.8	611.5	610.8
55°	4145.2	2413.0	1128.2	755.1	731.8	705.5	702.5	682.2	627.3	582.2	582.2
57.5°	4366.3	2494.1	1068.0	704.1	681.4	665.6	685.9	676.2	607.0	549.1	546.0
60°	4553.6	2549.8	980.8	652.1	636.3	628.0	658.9	655.9	578.4	513.7	511.5
62.5°	4702.5	2571.6	884.6	602.5	598.7	583.6	621.3	621.3	542.3	479.1	476.8
65°	4819.0	2550.6	786.8	553.6	561.1	538.5	575.4	570.9	504.0	448.3	445.3
67.5°	4922.2	2481.4	678.4	505.4	522.8	494.2	527.3	516.7	461.9	417.5	414.4
70°	4968.0	2320.4	555.1	457.4	478.4	450.6	479.1	459.6	414.4	384.4	378.3
72.5°	4599.5	1928.5	437.0	406.9	425.0	402.4	427.2	404.7	363.3	349.7	338.5
75°	3805.2	1447.2	336.2	352.0	365.5	348.3	364.8	348.3	310.7	320.4	292.6
77.5°	2763.4	977.0	257.3	294.1	300.1	291.1	305.3	286.6	252.8	250.5	239.2
80°	1374.2	572.4	201.6	232.4	230.1	224.2	240.7	231.6	203.1	215.1	212.9
82.5°	397.9	245.2	146.7	163.2	158.7	160.2	172.2	176.7	264.8	262.5	268.5
85°	124.8	96.2	88.0	91.0	86.5	88.8	101.6	201.6	186.5	109.1	118.1
87.5°	32.4	33.1	21.8	23.3	24.1	28.6	32.4	122.6	58.6	38.3	40.6
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)