

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: P969756

Luminaire Tested: **NVN-SB6A-722-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P969756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB6A-722-U-T4W-HSS
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17741.7 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

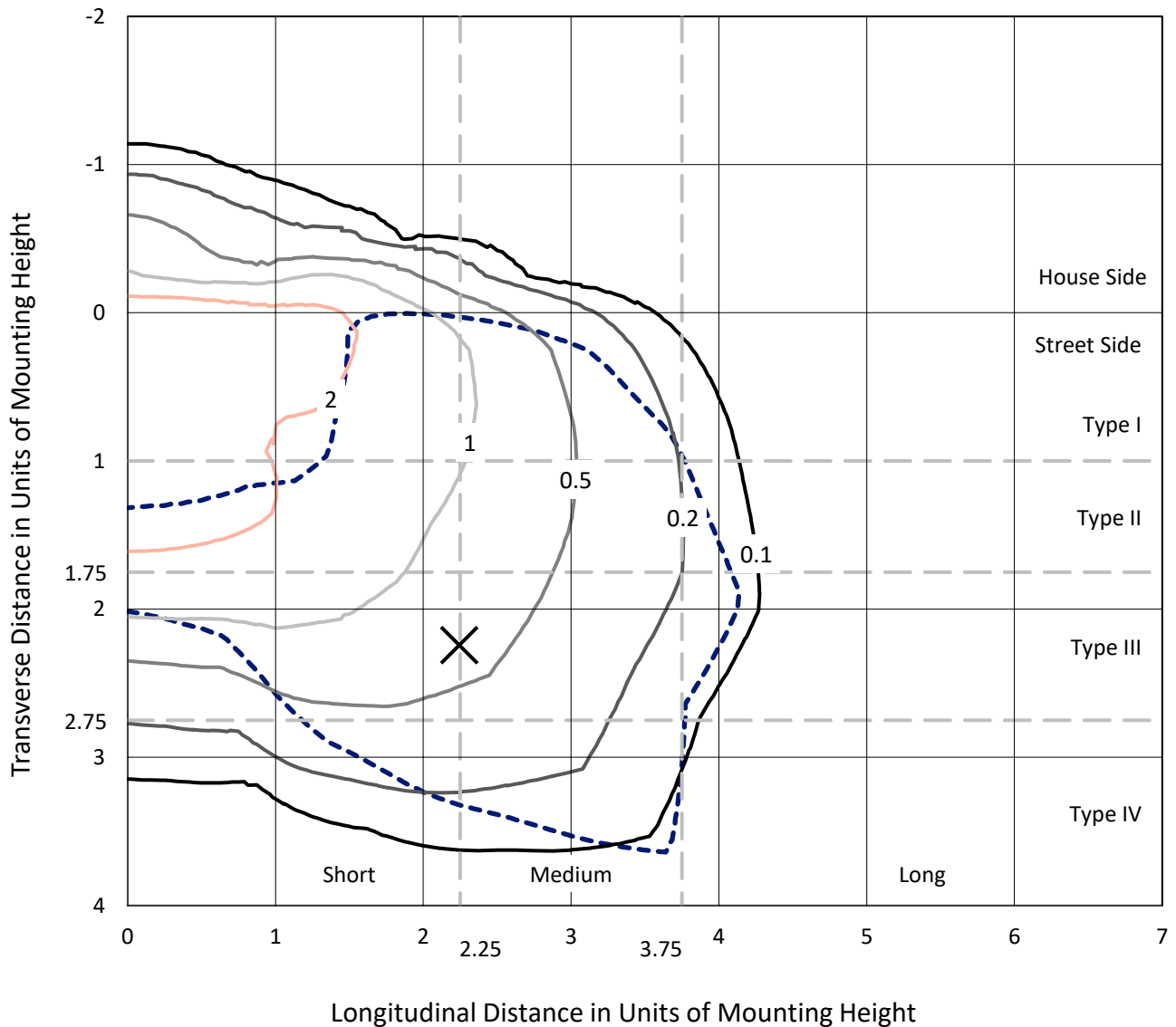
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

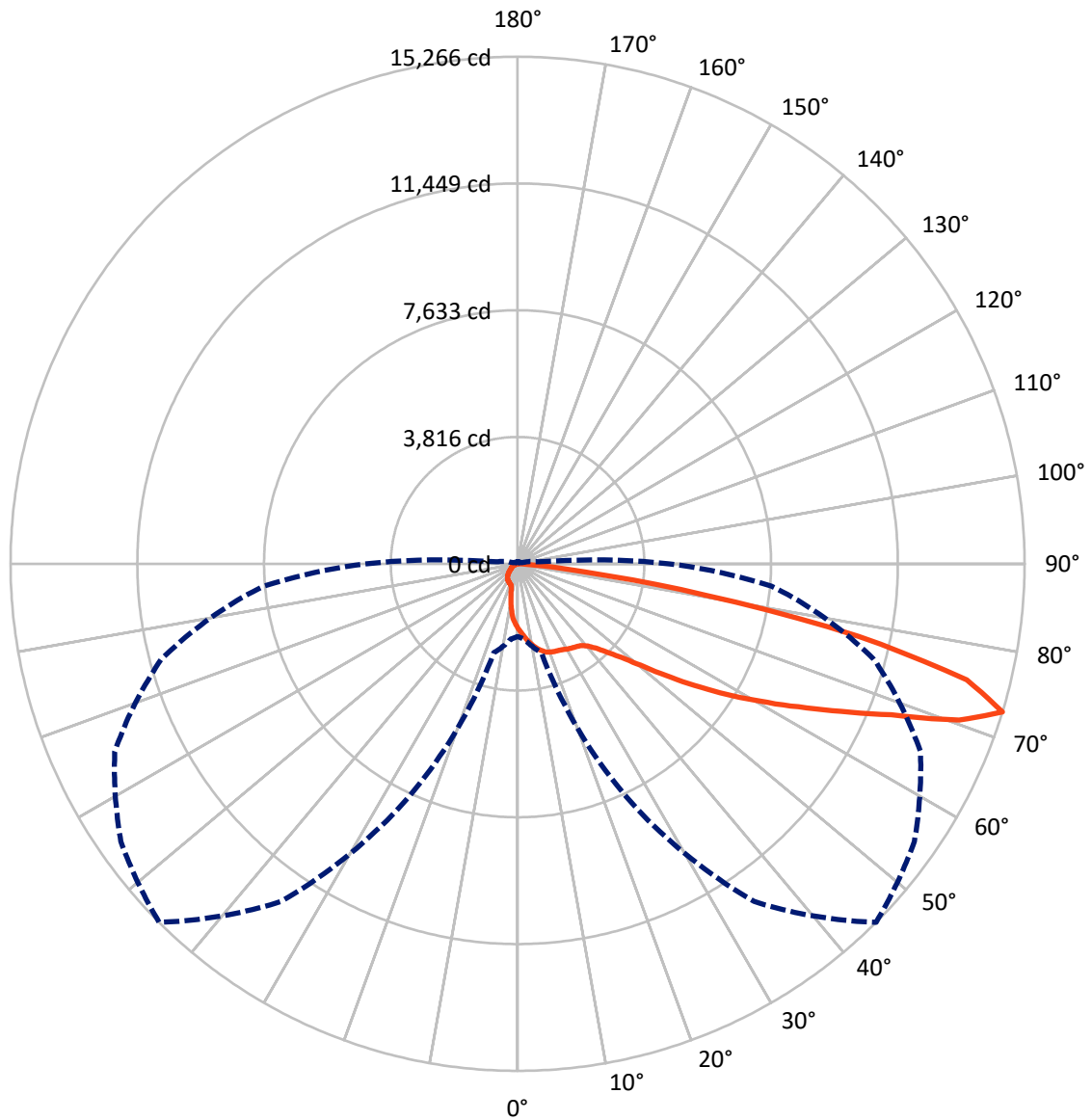
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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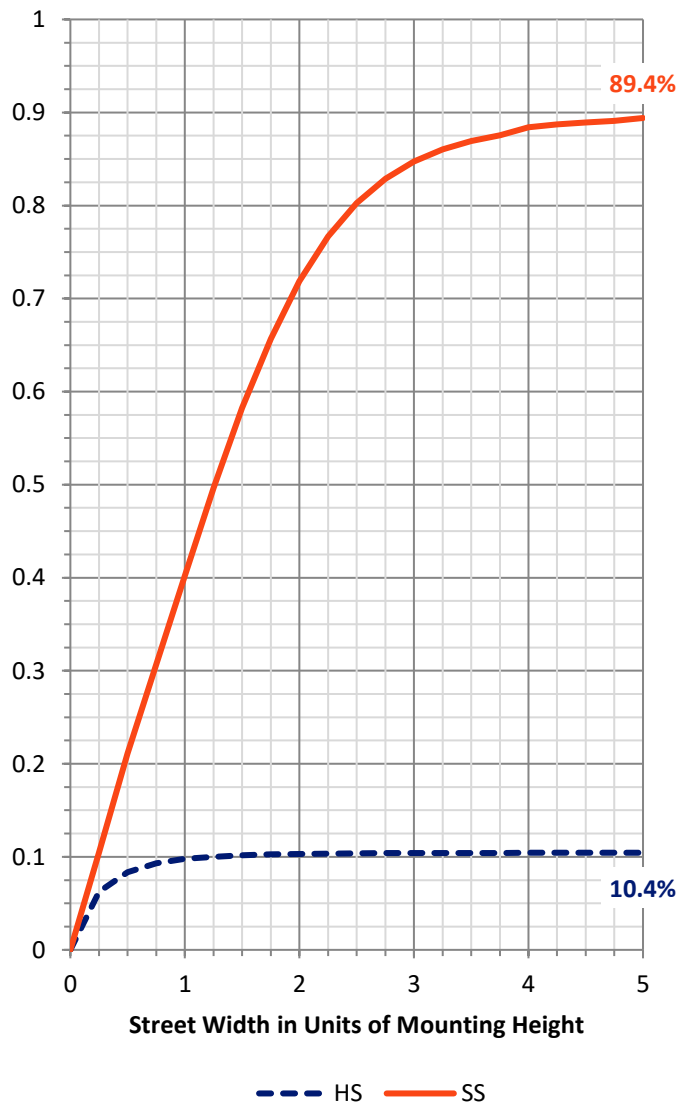
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1864.2	0.0	1864.2
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	15877.5	0.0	15877.5
	% Fixture	89.5	0.0	89.5
Total	Lumens	17741.7	0.0	17741.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.1	1.0
10°-20°	535.2	3.0
20°-30°	878.9	5.0
30°-40°	1246.5	7.0
40°-50°	2060.3	11.6
50°-60°	3701.1	20.9
60°-70°	5139.2	29.0
70°-80°	3727.8	21.0
80°-90°	269.5	1.5
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°	17741.7	100.0
0°-180°	17741.7	100.0

Coefficient of Utilization

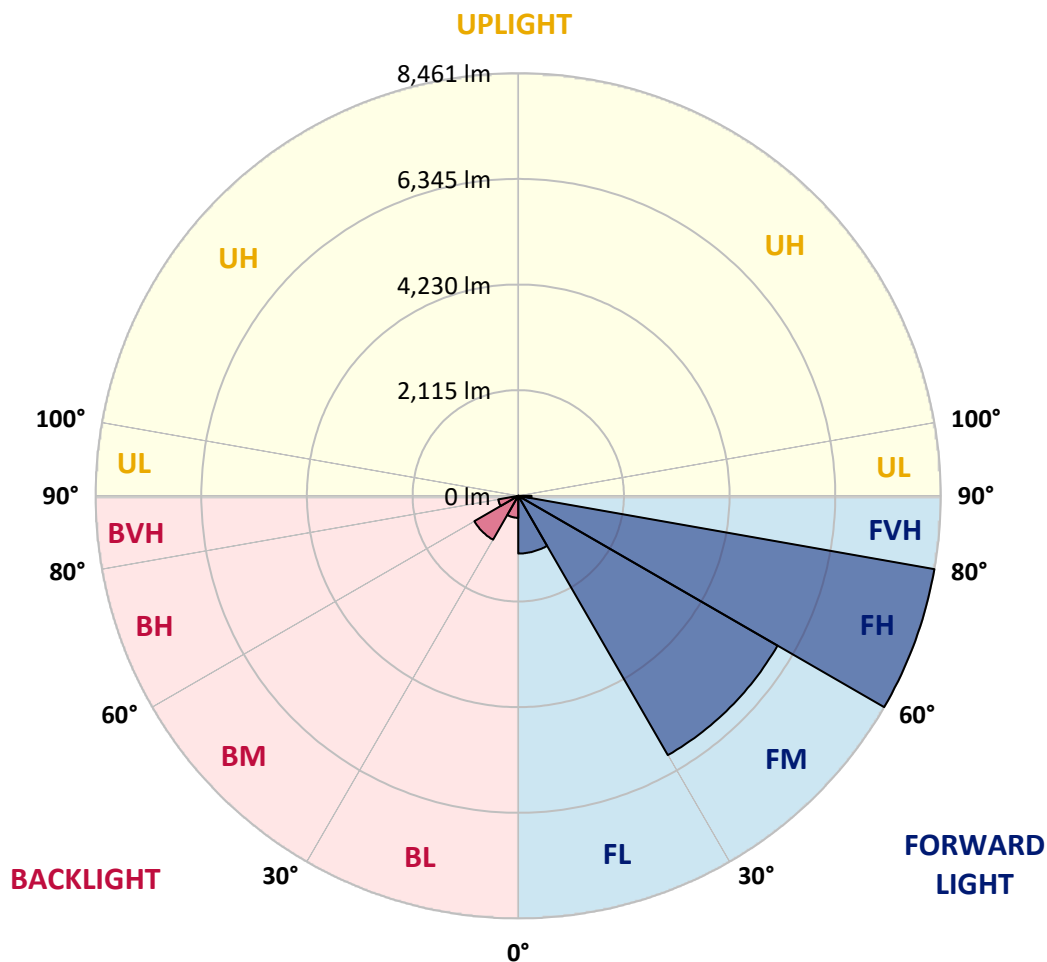


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1155.7	6.5			
FM (30°-60°)	5994.1	33.8			
FH (60°-80°)	8460.5	47.7			G4/12000
FVH (80°-90°)	267.2	1.5			G3/500
BL (0°-30°)	441.5	2.5	B1/500		
BM (30°-60°)	1013.8	5.7	B2/2500		
BH (60°-80°)	406.5	2.3	B1/500		G1/500
BVH (80°-90°)	2.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1943.6	1943.6	1943.6	1943.6	1943.6	1943.6	1943.6	1943.6	1943.6	1943.6	1943.6
2.5°	2122.9	2126.5	2124.1	2109.6	2085.4	2072.0	2064.8	2040.6	2024.8	1996.9	1967.9
5°	2317.8	2332.4	2323.9	2294.9	2248.8	2216.2	2206.4	2156.8	2112.0	2059.9	1999.4
7.5°	2524.9	2532.2	2516.5	2478.9	2417.2	2361.4	2353.0	2283.9	2212.5	2132.5	2050.2
10°	2704.2	2712.7	2688.4	2633.9	2563.6	2494.6	2482.5	2406.3	2321.5	2223.4	2118.1
12.5°	2854.3	2862.8	2831.3	2765.9	2688.4	2616.9	2604.8	2524.9	2431.7	2322.6	2191.9
15°	2968.2	2983.9	2941.5	2871.2	2787.7	2716.2	2710.2	2631.5	2540.7	2419.6	2280.3
17.5°	3034.7	3050.5	3010.5	2925.8	2854.3	2793.7	2786.5	2721.1	2636.3	2520.1	2366.3
20°	3045.7	3060.1	3017.8	2943.9	2884.6	2836.2	2832.5	2785.3	2723.5	2612.1	2459.5
22.5°	3013.0	3031.1	2992.4	2933.0	2891.8	2866.4	2861.6	2834.9	2799.8	2705.4	2546.7
25°	2979.1	2993.6	2964.5	2912.4	2890.6	2888.2	2891.8	2887.0	2879.7	2799.8	2648.4
27.5°	2976.6	2992.4	2959.7	2910.0	2897.9	2923.3	2927.0	2950.0	2956.0	2885.8	2746.5
30°	2997.2	3008.1	2976.6	2924.5	2918.5	2976.6	2977.8	3019.0	3028.7	2958.5	2843.5
32.5°	3042.0	3054.1	3022.6	2946.4	2937.9	3019.0	3022.6	3077.2	3092.8	3035.9	2945.1
35°	3147.4	3161.9	3125.5	3006.9	2976.6	3059.0	3069.9	3134.0	3165.5	3118.4	3050.5
37.5°	3410.2	3367.7	3318.1	3129.2	3065.1	3121.9	3140.1	3215.2	3270.9	3216.3	3176.5
40°	4062.9	3929.6	3774.7	3337.5	3220.0	3256.3	3270.9	3346.0	3422.3	3369.0	3349.6
42.5°	5042.6	4885.2	4635.7	3817.1	3453.7	3471.9	3482.8	3548.2	3656.0	3613.6	3618.5
45°	5915.7	5858.8	5604.5	4635.7	3890.9	3801.3	3814.6	3848.6	4007.1	3991.5	4022.9
47.5°	6586.5	6553.8	6357.7	5575.4	4629.6	4204.5	4242.1	4257.8	4486.7	4542.4	4627.2
50°	7102.4	7090.3	6914.8	6411.0	5594.8	4799.2	4812.5	4778.5	5121.3	5259.4	5420.4
52.5°	7589.3	7630.5	7500.8	7187.2	6625.3	5577.8	5575.4	5415.6	5878.2	6086.4	6361.4
55°	8028.9	8043.4	8056.7	7979.2	7662.0	6464.3	6441.3	6179.7	6756.1	6971.6	7269.6
57.5°	8441.8	8447.8	8566.5	8725.2	8741.0	7416.1	7373.7	7060.1	7715.3	7869.0	8051.9
60°	8719.2	8747.0	8997.7	9438.5	9631.0	8398.2	8375.3	8055.5	8691.3	8762.7	8728.8
62.5°	8319.5	8489.0	9121.2	9995.5	10471.5	9486.9	9476.0	9175.7	9718.2	9660.1	9369.4
65°	6734.4	7021.4	8133.1	10372.2	11296.1	10702.7	10718.5	10398.8	10773.0	10584.0	9890.2
67.5°	4710.8	5013.5	6328.7	10402.4	12217.7	12130.6	12221.4	11720.0	11893.2	11469.3	10013.7
70°	3257.6	3413.8	4269.9	9750.9	12935.8	14097.1	14094.8	13342.7	13007.2	11872.6	9384.0
72.5°	2190.7	2271.8	2773.1	7735.8	12407.8	15265.7	15195.5	14582.8	13382.7	11103.6	7666.8
75°	924.0	983.3	1283.6	4347.4	9816.3	13966.3	13776.2	12887.4	11890.7	8743.4	4783.5
77.5°	293.0	318.5	506.1	1556.2	5407.1	10498.0	10297.0	8048.3	7969.6	4386.2	1748.6
80°	139.3	162.3	284.5	624.8	2127.7	5709.9	5682.0	3651.2	3428.3	1184.4	351.2
82.5°	60.6	71.4	157.4	334.3	951.8	2036.9	2078.1	1242.5	1028.2	449.3	107.7
85°	19.4	25.4	72.7	153.8	402.0	506.1	500.1	295.5	414.2	244.7	37.5
87.5°	0.0	0.0	24.2	35.2	41.2	29.1	32.7	25.4	115.0	67.9	13.3
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°	1943.6	1943.6	1943.6	1943.6	1943.6	1943.6	1943.6	1943.6	1943.6	1943.6	1943.6
2.5°	1953.3	1934.0	1900.0	1868.6	1840.7	1812.8	1795.9	1771.7	1769.3	1769.3	1775.3
5°	1966.7	1935.2	1874.6	1810.5	1736.6	1666.3	1596.1	1528.3	1506.4	1490.8	1498.0
7.5°	2005.4	1955.8	1860.1	1737.8	1597.3	1443.5	1335.7	1219.4	1174.6	1150.5	1154.0
10°	2061.1	1993.3	1848.0	1633.6	1406.0	1196.5	1042.6	916.8	868.3	847.7	847.7
12.5°	2122.9	2039.3	1826.1	1504.1	1196.5	945.8	795.6	737.5	730.2	730.2	730.2
15°	2196.8	2095.0	1788.6	1351.5	977.2	748.4	695.2	697.5	704.8	709.6	709.6
17.5°	2273.0	2154.3	1729.3	1180.7	783.5	673.3	674.6	678.1	684.2	689.0	689.0
20°	2355.3	2213.7	1650.6	999.1	672.1	651.5	655.2	658.8	663.6	666.0	667.3
22.5°	2443.8	2269.4	1557.4	821.0	634.6	633.3	634.6	638.2	644.2	644.2	646.7
25°	2538.2	2331.2	1450.8	691.5	615.2	615.2	617.6	620.0	624.8	624.8	626.1
27.5°	2635.1	2388.0	1338.1	623.7	598.2	597.1	597.1	600.6	603.1	604.2	605.5
30°	2741.7	2454.7	1225.5	609.2	584.9	578.8	575.2	577.7	580.0	581.3	583.7
32.5°	2850.6	2518.8	1125.0	615.2	571.5	560.7	548.6	546.1	546.1	551.0	554.6
35°	2971.8	2589.1	1047.6	635.8	564.4	534.0	514.7	503.8	505.0	512.3	515.9
37.5°	3117.1	2673.9	990.6	653.9	559.4	503.8	472.3	459.0	450.5	459.0	456.5
40°	3307.3	2798.6	949.5	668.5	553.4	468.6	426.3	404.5	388.7	393.6	391.1
42.5°	3587.0	2994.7	933.7	669.6	540.1	427.5	379.0	349.9	327.0	328.2	323.3
45°	3979.4	3304.8	1014.9	653.9	511.1	382.6	329.4	290.6	276.1	272.4	267.6
47.5°	4517.0	3756.5	1202.5	621.3	468.6	339.1	281.0	248.3	237.4	231.3	227.7
50°	5237.5	4336.6	1410.8	584.9	426.3	297.9	241.0	220.4	213.1	207.0	205.8
52.5°	6073.1	4925.1	1581.6	548.6	383.9	261.6	215.6	203.5	197.4	192.6	191.4
55°	6839.7	5330.8	1571.8	509.8	342.8	232.5	197.4	190.1	182.9	178.0	175.6
57.5°	7316.9	5387.7	1295.8	467.4	295.5	209.5	180.4	175.6	167.1	161.0	159.9
60°	7536.0	5063.2	908.3	411.7	248.3	187.7	162.3	159.9	148.9	140.4	138.1
62.5°	7576.0	4460.1	605.5	342.8	207.0	167.1	144.1	140.4	126.0	111.4	104.1
65°	7413.7	3597.9	419.0	267.6	176.8	145.3	123.5	116.2	100.6	86.0	81.2
67.5°	6900.2	2526.1	291.8	192.6	150.2	115.0	98.1	95.6	83.5	71.4	67.9
70°	5959.2	1439.9	195.0	144.1	118.7	78.7	77.5	79.9	67.9	58.1	53.3
72.5°	4569.0	658.8	121.1	105.4	81.2	53.3	61.8	62.9	52.1	43.6	38.7
75°	2689.6	282.2	76.3	67.9	41.2	35.2	44.8	46.0	35.2	27.9	24.2
77.5°	915.5	106.6	48.5	40.0	20.6	19.4	29.1	29.1	19.4	10.9	8.5
80°	208.3	40.0	24.2	15.8	9.7	8.5	9.7	8.5	4.8	1.2	0.0
82.5°	59.3	15.8	9.7	6.0	3.6	3.6	1.2	0.0	0.0	0.0	0.0
85°	16.9	7.3	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)