

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: P962573

Luminaire Tested: **NVN-SB2C-827-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P962573
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB2C-827-U-SL2
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13268.6 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

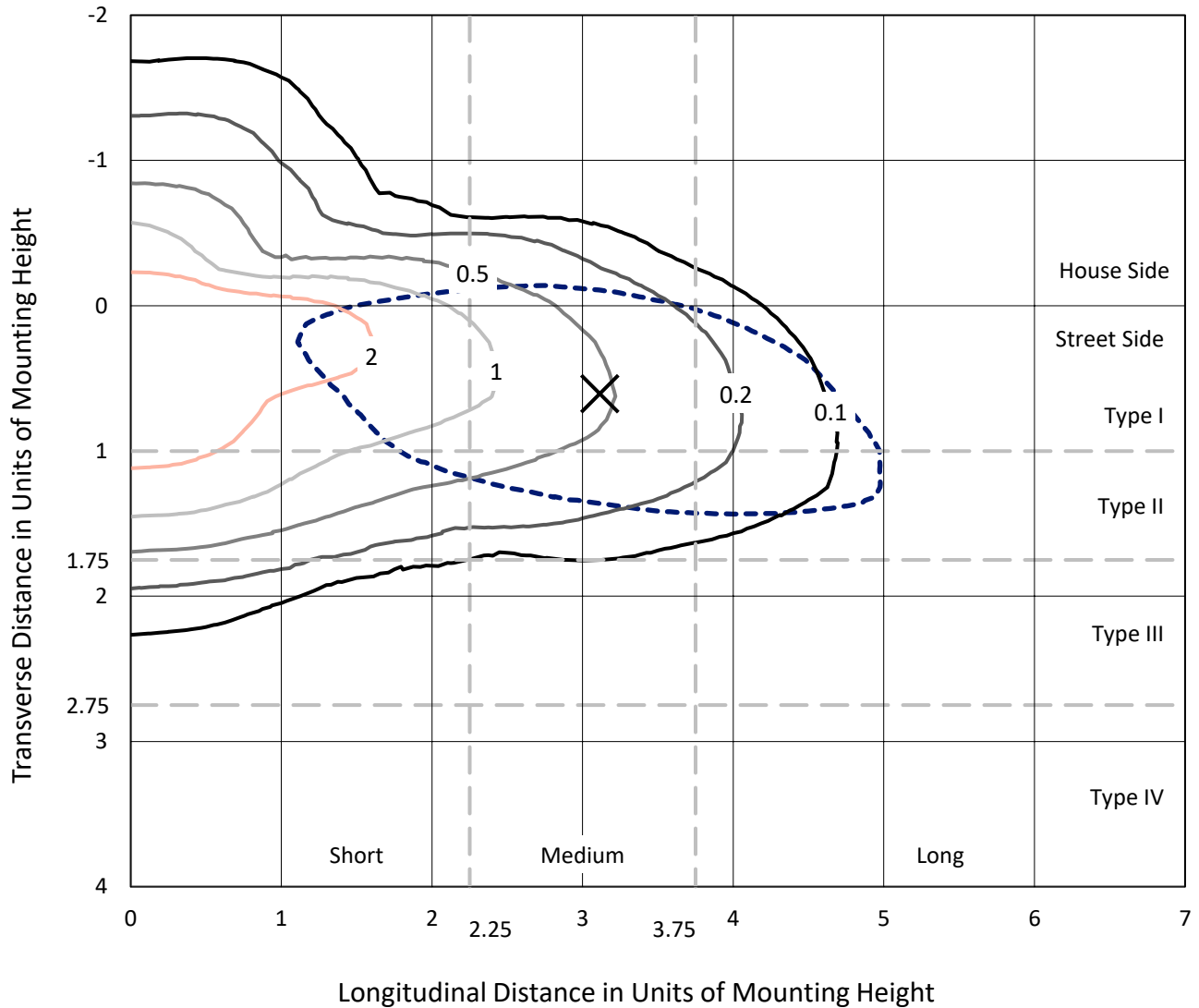
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

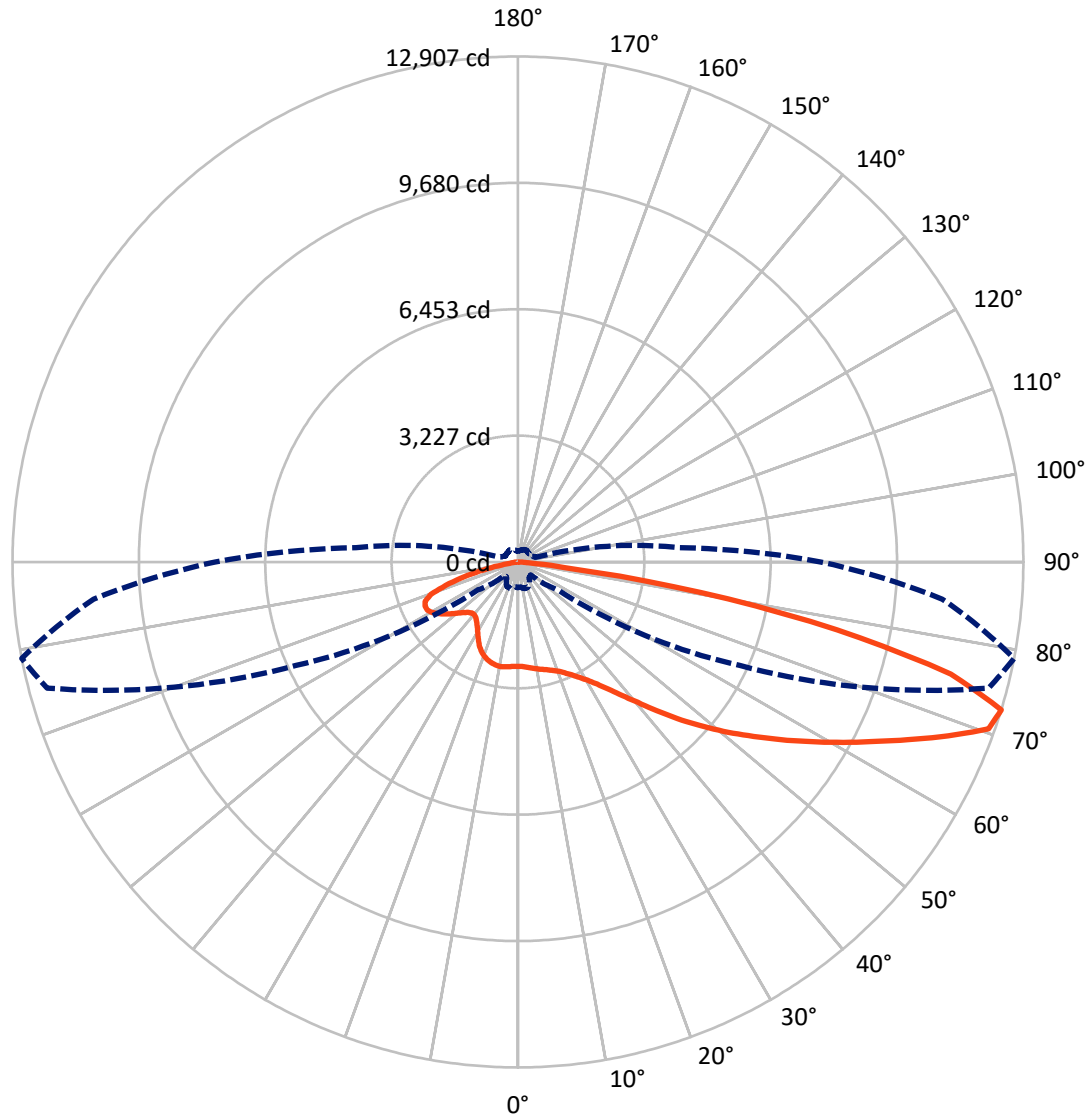
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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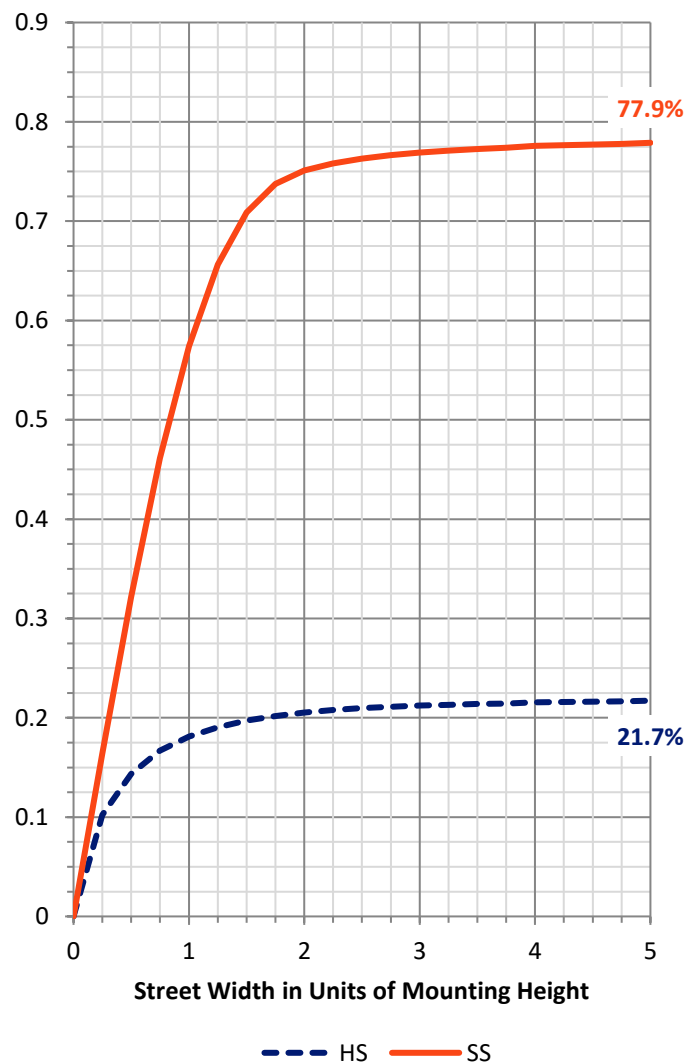
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2919.8	0.0	2919.8
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	10348.8	0.0	10348.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	13268.6	0.0	13268.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.8	1.8
10°-20°	632.1	4.8
20°-30°	1020.0	7.7
30°-40°	1530.8	11.5
40°-50°	2171.6	16.4
50°-60°	2742.4	20.7
60°-70°	2785.3	21.0
70°-80°	1898.3	14.3
80°-90°	246.3	1.9
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°	13268.6	100.0
0°-180°	13268.6	100.0

Coefficient of Utilization



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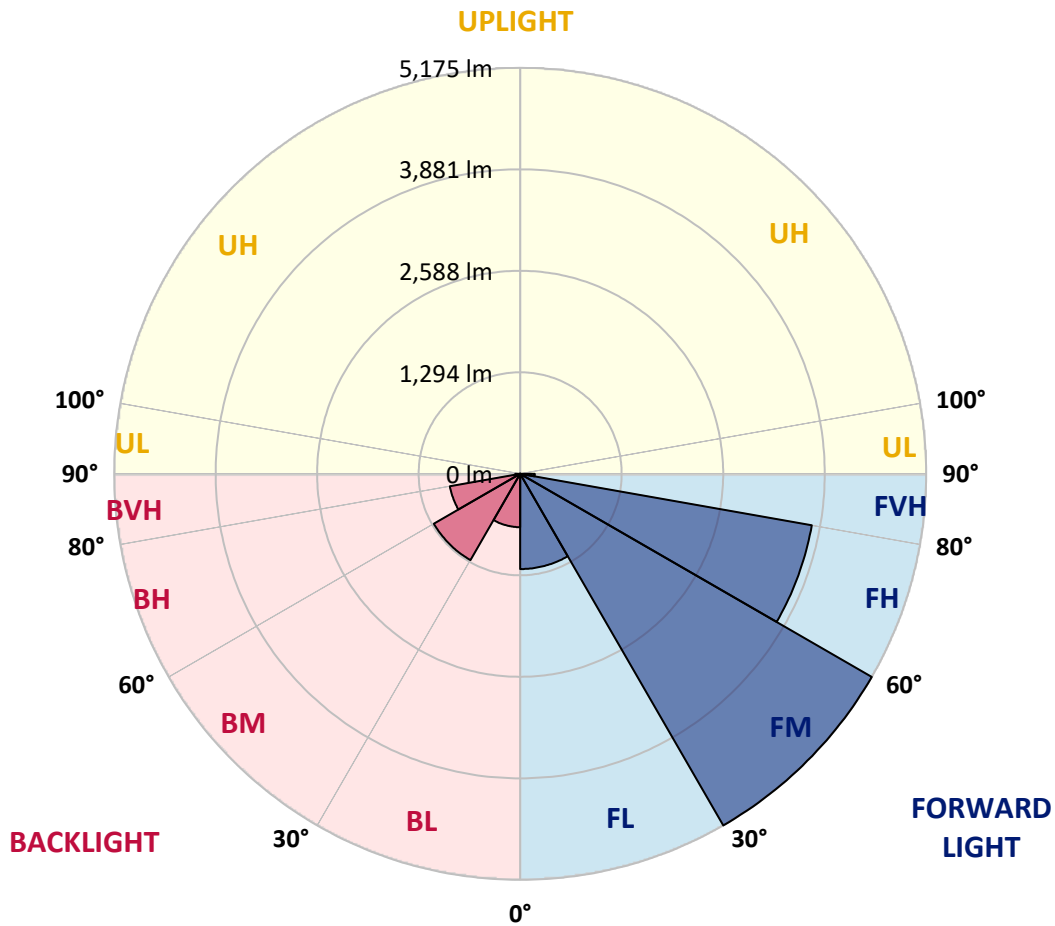
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1213.8	9.1			
FM (30°-60°)	5175.0	39.0			
FH (60°-80°)	3774.5	28.4			G2/5000
FVH (80°-90°)	185.5	1.4			G2/225
BL (0°-30°)	680.1	5.1	B2/1000		
BM (30°-60°)	1269.8	9.6	B2/2500		
BH (60°-80°)	909.1	6.9	B2/1000		G2/1000
BVH (80°-90°)	60.8	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-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	2663.6	2663.6	2663.6	2663.6	2663.6	2663.6	2663.6	2663.6	2663.6	2663.6	2663.6
2.5°	2665.0	2652.3	2660.1	2657.2	2660.7	2665.0	2666.3	2668.5	2675.5	2674.7	2674.1
5°	2659.4	2646.8	2657.2	2653.7	2662.8	2672.7	2681.1	2688.8	2700.1	2705.0	2697.9
7.5°	2647.4	2639.0	2649.5	2660.1	2676.9	2691.6	2703.5	2721.1	2737.3	2740.0	2745.0
10°	2577.9	2571.6	2596.2	2623.6	2669.8	2709.9	2735.8	2756.2	2773.8	2776.5	2783.6
12.5°	2505.6	2497.9	2525.3	2562.5	2637.6	2709.9	2764.6	2791.3	2806.8	2815.9	2826.3
15°	2493.7	2487.4	2502.8	2535.1	2597.6	2690.9	2784.3	2833.4	2846.7	2857.3	2861.5
17.5°	2551.2	2539.3	2545.6	2556.9	2593.4	2673.4	2799.7	2881.2	2901.5	2912.7	2912.7
20°	2684.6	2667.8	2657.9	2635.5	2629.1	2676.2	2798.4	2938.7	2965.3	2979.4	2982.9
22.5°	2862.2	2850.9	2829.9	2773.0	2711.2	2710.6	2825.0	3012.4	3062.2	3075.5	3067.1
25°	3076.9	3060.1	3033.4	2956.2	2837.6	2778.7	2869.9	3106.5	3189.9	3193.5	3168.9
27.5°	3324.0	3298.8	3262.3	3160.5	3000.5	2885.4	2938.7	3214.5	3336.7	3335.2	3284.7
30°	3584.4	3559.1	3520.6	3397.0	3195.5	3029.2	3034.1	3331.0	3510.7	3502.9	3416.6
32.5°	3774.6	3755.6	3747.9	3652.5	3420.1	3199.0	3143.6	3460.2	3725.5	3718.4	3597.7
35°	3920.6	3896.0	3905.1	3856.7	3665.1	3389.3	3277.6	3613.8	3986.5	3985.8	3835.7
37.5°	4065.2	4043.4	4051.1	4018.8	3891.8	3630.8	3441.2	3801.9	4310.1	4325.5	4123.4
40°	4197.1	4173.9	4204.9	4174.6	4067.9	3887.6	3627.2	4014.6	4684.9	4714.4	4471.6
42.5°	4276.4	4258.2	4309.4	4310.1	4221.0	4104.5	3831.4	4249.0	5118.6	5184.7	4899.7
45°	4303.8	4297.5	4374.7	4390.8	4356.5	4230.1	4015.3	4504.6	5586.0	5704.0	5387.5
47.5°	4274.4	4262.4	4369.1	4428.7	4456.1	4289.0	4167.6	4781.0	6063.4	6236.0	5919.5
50°	4125.5	4102.4	4261.0	4386.6	4484.2	4327.7	4321.3	5100.4	6605.9	6794.7	6454.3
52.5°	3858.1	3840.6	4021.0	4239.2	4422.4	4346.6	4494.0	5449.2	7121.1	7365.3	7002.4
55°	3516.3	3493.1	3691.7	3976.7	4268.7	4340.3	4666.6	5839.4	7728.8	7976.7	7568.8
57.5°	2974.4	2928.1	3179.4	3516.3	4018.1	4332.6	4846.3	6227.6	8346.5	8643.4	8173.1
60°	2184.2	2115.4	2423.5	2822.8	3528.3	4257.4	5068.8	6662.7	9087.6	9355.1	8832.8
62.5°	1271.7	1231.7	1433.2	1805.8	2659.4	3815.3	5193.8	7168.7	9816.2	10097.0	9481.4
65°	987.5	976.3	993.8	1022.6	1480.2	2856.6	4808.4	7662.2	10742.6	10939.1	10157.2
67.5°	903.3	894.8	902.6	848.5	751.0	1591.1	3804.1	7787.1	11735.0	11854.3	10749.0
70°	802.9	793.1	818.4	772.0	591.0	723.6	2458.0	7333.7	12524.7	12748.5	11198.8
72.5°	654.2	642.9	701.8	680.8	497.6	464.6	1234.6	6256.4	12441.9	12906.5	10876.7
75°	502.6	496.2	566.4	583.9	405.7	365.6	592.3	4650.5	10948.9	11417.2	9374.0
77.5°	390.2	385.3	421.1	485.0	327.1	283.5	364.3	2950.0	8251.0	8333.1	6459.9
80°	292.6	278.6	311.6	375.5	254.8	207.0	247.0	1720.3	5215.5	4727.7	2811.7
82.5°	183.2	176.2	203.6	250.6	179.7	142.5	160.7	950.3	2090.2	1231.0	542.5
85°	104.6	101.8	110.9	143.2	97.6	82.1	91.9	419.7	381.8	262.5	163.5
87.5°	42.1	40.7	50.5	63.9	35.8	30.1	32.3	101.1	84.3	77.9	54.0
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°	2663.6	2663.6	2663.6	2663.6	2663.6	2663.6	2663.6	2663.6	2663.6	2663.6	2663.6
2.5°	2671.3	2671.3	2661.4	2646.0	2628.4	2617.2	2599.0	2594.1	2575.1	2569.5	2578.6
5°	2703.5	2697.9	2667.8	2624.2	2564.5	2509.8	2449.4	2411.6	2358.2	2339.3	2353.3
7.5°	2744.2	2728.9	2676.9	2581.5	2456.5	2333.7	2205.9	2109.0	2016.5	1983.5	1987.7
10°	2781.4	2759.7	2671.3	2504.2	2288.1	2075.4	1871.9	1729.4	1621.2	1577.1	1586.9
12.5°	2818.6	2778.7	2634.0	2375.7	2048.8	1760.2	1543.3	1432.5	1365.8	1312.5	1330.0
15°	2853.8	2797.6	2576.5	2203.9	1786.3	1493.5	1333.5	1245.1	1191.8	1156.7	1163.0
17.5°	2894.5	2813.7	2490.2	1985.5	1536.4	1308.9	1178.4	1125.0	1114.6	1110.4	1113.1
20°	2951.3	2828.5	2376.5	1741.3	1352.5	1161.5	1094.2	1089.3	1088.6	1086.5	1093.5
22.5°	3012.4	2846.0	2226.3	1519.6	1196.0	1069.6	1057.7	1047.9	1041.6	1040.9	1048.6
25°	3084.6	2851.7	2038.2	1337.7	1062.6	1026.1	1012.1	997.3	993.1	993.1	997.3
27.5°	3154.8	2832.7	1819.2	1179.8	987.5	986.2	967.9	963.0	962.3	964.3	970.0
30°	3225.1	2796.9	1601.7	1033.8	944.0	944.0	937.7	941.2	944.0	951.0	955.9
32.5°	3319.8	2759.0	1419.8	925.8	906.1	899.1	905.4	912.5	915.2	924.3	932.0
35°	3458.8	2732.3	1275.3	866.8	866.8	857.7	861.2	859.8	853.4	849.2	859.1
37.5°	3642.6	2730.9	1156.0	839.4	833.8	832.4	833.1	824.0	799.4	770.0	770.6
40°	3863.7	2768.8	1064.1	820.5	816.3	824.7	820.5	795.9	728.6	677.3	675.9
42.5°	4160.6	2876.9	1005.0	797.3	810.0	820.5	803.6	718.7	673.1	638.7	637.2
45°	4510.1	3052.3	974.9	772.7	798.0	810.7	729.2	692.1	655.5	614.1	611.3
47.5°	4906.0	3273.4	967.9	749.6	771.3	779.1	697.6	680.8	639.4	594.5	591.0
50°	5337.0	3535.2	986.8	722.2	732.8	706.0	687.2	671.7	628.8	584.7	579.7
52.5°	5782.6	3823.8	1024.7	685.0	694.1	664.6	683.0	669.5	622.6	562.9	558.7
55°	6220.5	4114.2	1061.2	641.5	654.9	627.5	671.0	661.1	593.8	526.4	522.9
57.5°	6665.6	4403.5	1097.0	602.9	616.9	591.6	652.0	638.7	561.5	492.7	491.3
60°	7128.1	4684.2	1113.9	565.7	575.5	558.7	623.2	600.1	525.0	458.3	456.2
62.5°	7561.1	4918.0	1086.5	528.5	534.8	527.8	585.4	554.4	488.5	419.7	419.0
65°	7995.6	5056.8	1002.2	492.0	493.4	489.8	532.0	505.3	445.7	386.0	381.8
67.5°	8389.3	5134.8	868.2	452.7	449.2	447.8	482.2	452.0	404.3	352.3	348.1
70°	8472.9	4936.9	663.3	406.4	406.4	402.8	427.4	396.6	358.6	316.5	315.1
72.5°	7738.6	4152.9	471.0	353.7	359.4	352.3	372.7	346.8	312.3	284.2	275.8
75°	6240.2	3045.4	342.6	299.7	309.5	297.6	316.5	298.3	268.9	268.1	241.5
77.5°	4287.7	1883.1	248.5	247.0	254.1	238.6	260.3	250.6	223.9	212.0	198.6
80°	1829.7	751.0	181.1	190.9	190.9	176.9	202.1	204.9	181.7	176.2	176.2
82.5°	364.3	213.4	127.0	131.2	123.5	119.3	143.2	158.7	218.9	243.5	244.3
85°	109.5	78.6	76.5	71.5	63.1	63.9	84.3	159.3	196.5	112.3	96.9
87.5°	30.1	19.7	20.4	16.1	13.3	17.5	28.8	120.7	66.0	28.1	23.9
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)