

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: P964485

Luminaire Tested: **NVN-SB3C-722-U-T4FT**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P964485  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-SB3C-722-U-T4FT  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18804.6 lumens  
Efficiency: N/A  
Efficacy: 126.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G3

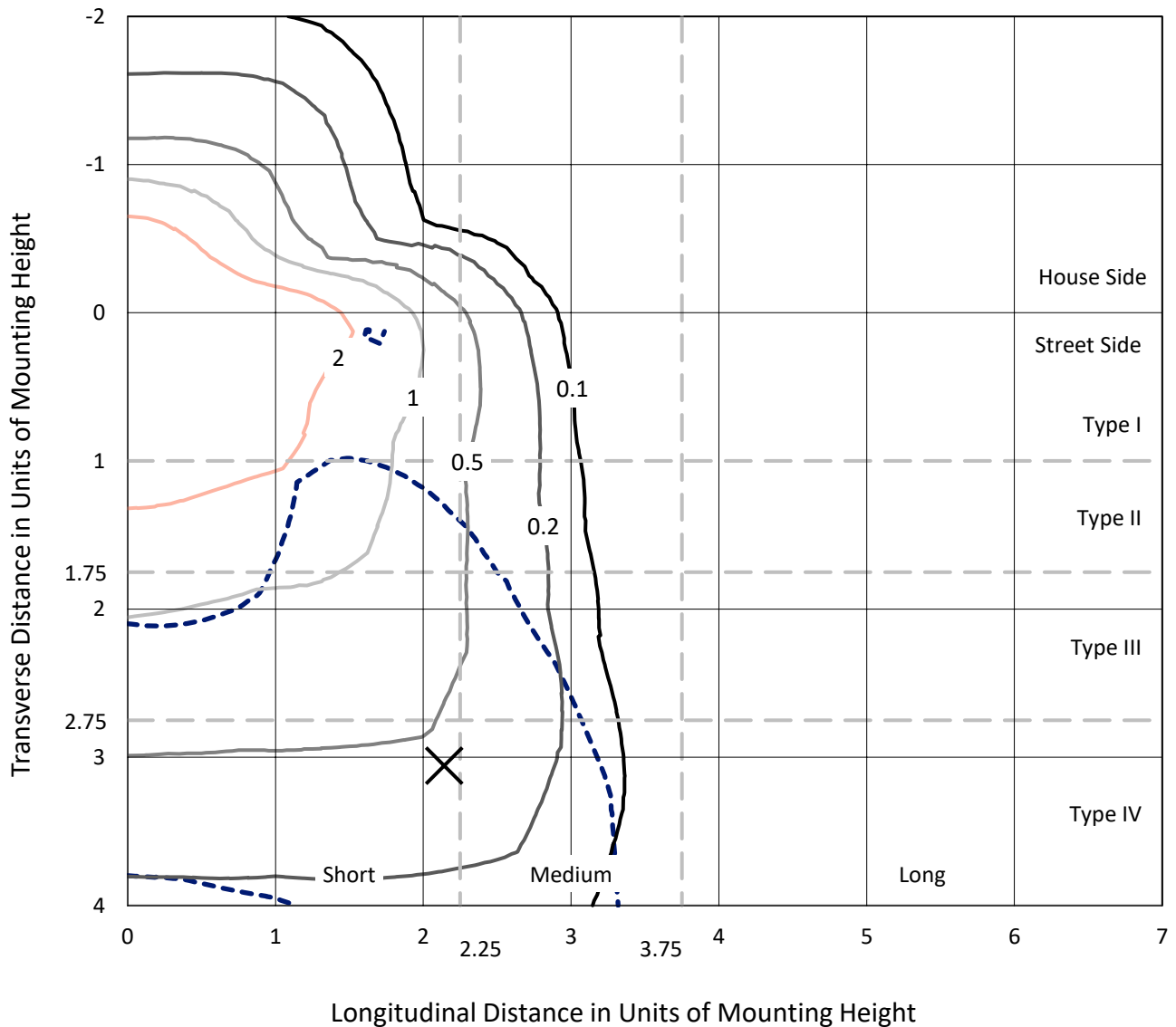
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

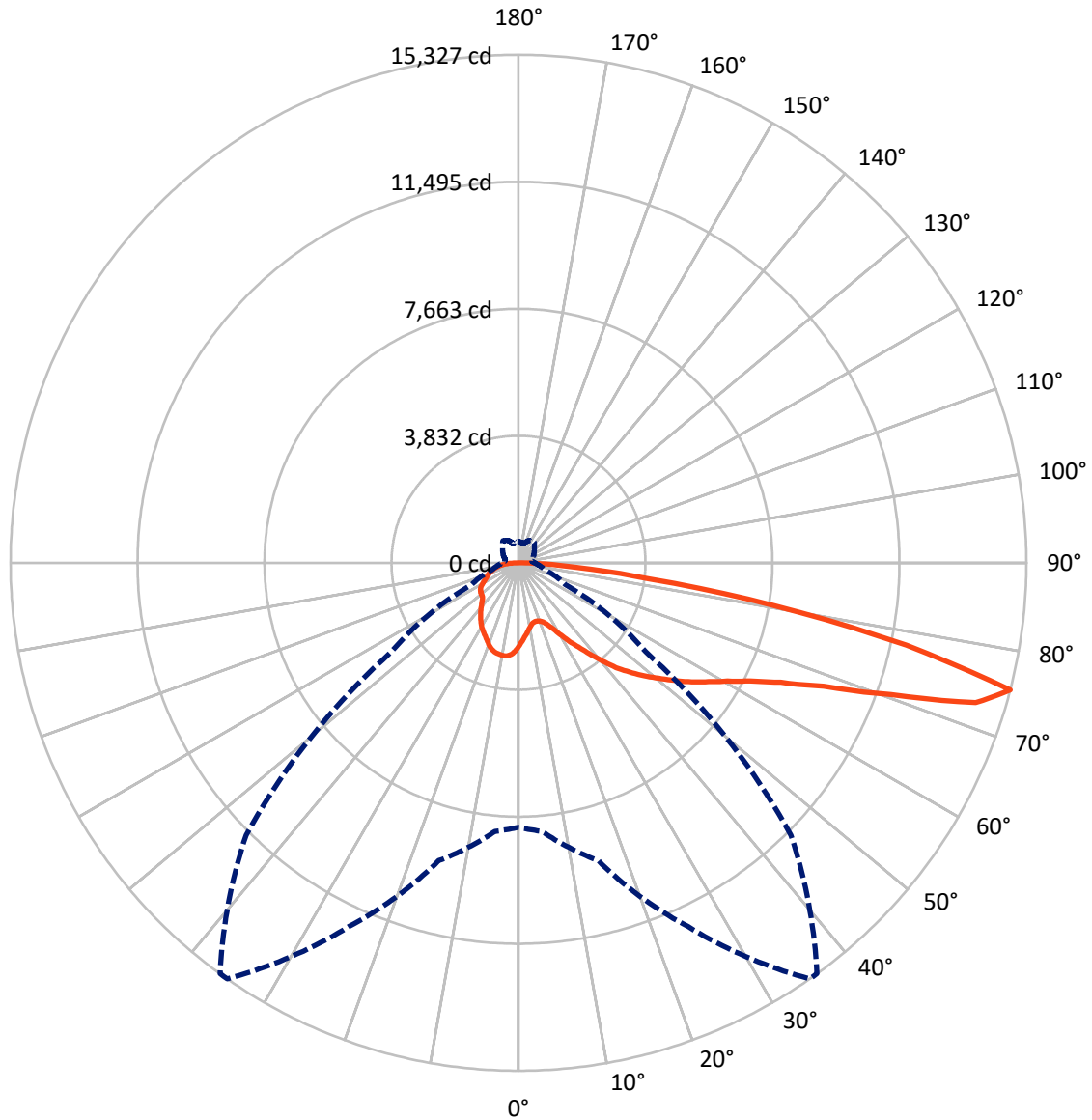
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4475.0	0.0	4475.0
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	14329.6	0.0	14329.6
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	18804.6	0.0	18804.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.3	1.3
10°-20°	684.3	3.6
20°-30°	1149.2	6.1
30°-40°	1786.0	9.5
40°-50°	2650.9	14.1
50°-60°	3659.7	19.5
60°-70°	4440.1	23.6
70°-80°	3669.4	19.5
80°-90°	527.8	2.8
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°	18804.6	100.0
0°-180°	18804.6	100.0

**Coefficient of Utilization**



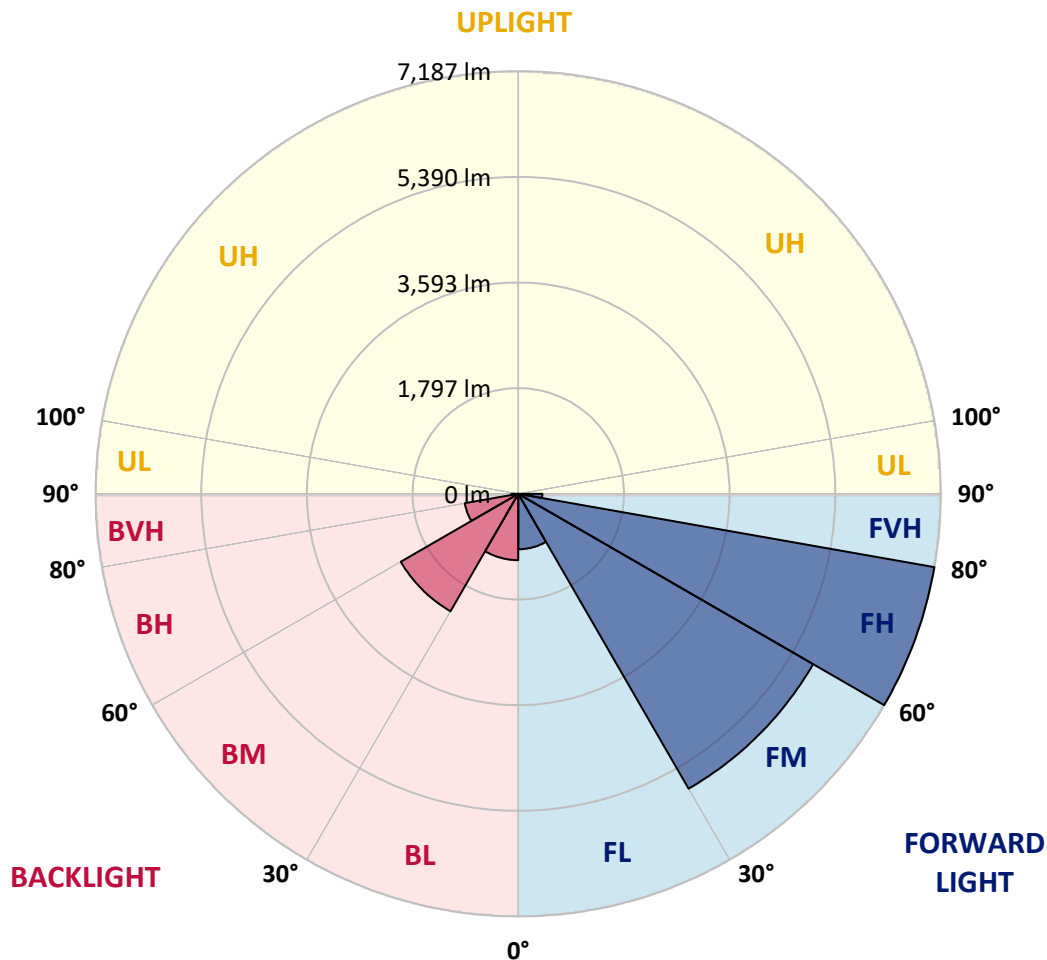
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	943.0	5.0			
FM (30°-60°)	5790.8	30.8			
FH (60°-80°)	7186.9	38.2			G3/7500
FVH (80°-90°)	408.9	2.2			G3/500
BL (0°-30°)	1127.8	6.0	B3/2500		
BM (30°-60°)	2305.8	12.3	B2/2500		
BH (60°-80°)	922.6	4.9	B2/1000		G2/1000
BVH (80°-90°)	118.8	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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	2505.8	2505.8	2505.8	2505.8	2505.8	2505.8	2505.8	2505.8	2505.8	2505.8	2505.8
2.5°	2310.7	2324.9	2331.0	2328.0	2343.1	2341.2	2362.5	2389.0	2425.6	2461.1	2513.0
5°	2132.7	2148.0	2161.2	2173.4	2202.9	2212.1	2245.6	2296.4	2363.5	2431.6	2517.0
7.5°	1967.1	1980.3	2000.6	2022.9	2072.8	2082.0	2137.8	2217.2	2310.7	2410.3	2528.2
10°	1831.9	1845.1	1866.4	1891.8	1953.9	1965.0	2036.2	2141.9	2263.9	2390.0	2540.4
12.5°	1773.9	1778.0	1790.2	1815.6	1869.5	1876.6	1954.9	2075.8	2218.2	2374.7	2558.7
15°	1770.9	1779.0	1780.0	1793.2	1837.9	1841.0	1913.2	2033.2	2189.7	2371.6	2586.2
17.5°	1801.3	1807.5	1798.4	1806.5	1844.1	1849.1	1906.1	2012.8	2180.6	2384.9	2632.9
20°	1882.7	1887.7	1860.4	1849.1	1876.6	1880.7	1936.5	2026.0	2189.7	2412.3	2697.0
22.5°	2055.5	2058.5	1991.5	1945.8	1947.7	1949.8	1998.5	2079.9	2225.3	2462.2	2778.3
25°	2324.9	2322.9	2216.2	2127.7	2076.9	2065.7	2098.2	2167.4	2285.2	2528.2	2883.0
27.5°	2640.0	2624.8	2518.0	2385.9	2275.1	2258.8	2251.7	2281.1	2370.6	2615.6	3011.0
30°	2995.9	2981.6	2866.7	2693.9	2540.4	2514.0	2446.9	2431.6	2497.7	2734.6	3189.0
32.5°	3386.2	3377.1	3239.8	3030.4	2825.0	2794.6	2681.7	2641.0	2692.9	2914.5	3437.0
35°	3713.6	3705.4	3591.5	3376.0	3124.9	3087.3	2972.5	2926.7	2953.1	3145.3	3761.3
37.5°	4009.4	4005.3	3907.7	3738.0	3478.7	3432.9	3303.9	3288.6	3283.5	3449.2	4154.7
40°	4283.8	4273.6	4172.0	4082.6	3890.4	3848.8	3734.9	3721.7	3683.0	3823.4	4600.0
42.5°	4587.8	4561.4	4414.0	4372.2	4320.4	4285.8	4217.8	4219.8	4134.4	4245.2	5071.7
45°	4835.8	4820.6	4669.1	4644.7	4700.6	4686.4	4745.3	4760.6	4594.9	4687.4	5561.6
47.5°	5102.1	5087.9	4959.9	4942.5	5094.0	5098.1	5306.5	5311.5	5044.2	5146.9	6052.6
50°	5430.6	5410.2	5283.2	5304.5	5474.2	5489.5	5870.7	5836.1	5457.9	5613.5	6539.6
52.5°	5647.0	5659.2	5631.8	5666.4	5898.2	5912.4	6425.7	6337.3	5867.6	6074.0	7017.4
55°	5806.6	5831.0	5916.4	5995.7	6345.5	6359.7	6949.3	6814.1	6207.2	6501.0	7466.7
57.5°	6012.0	5977.4	6137.1	6291.6	6770.3	6807.9	7458.6	7273.6	6508.1	6868.9	7774.7
60°	6306.8	6282.4	6406.5	6635.1	7246.1	7306.1	7997.4	7687.3	6728.7	7160.8	7834.7
62.5°	6904.5	6843.5	6862.9	7065.1	7845.9	7925.2	8605.3	8048.2	6838.5	7274.6	7513.5
65°	7798.1	7693.4	7595.9	7736.1	8690.7	8769.0	9291.4	8331.8	6797.8	7053.9	6660.6
67.5°	8923.4	8819.8	8699.8	8832.0	9934.9	9996.9	10138.3	8491.4	6477.6	6204.1	5153.0
70°	9851.6	9812.9	9956.3	10500.2	11922.4	11924.3	11224.0	8359.3	5600.3	4398.7	2981.6
72.5°	9728.6	9705.2	10460.5	12141.9	14427.2	14373.3	12251.7	7359.0	3772.5	1984.3	1117.2
75°	7981.1	8132.6	9302.6	12112.4	15326.8	15319.8	11622.5	4678.3	1560.5	822.4	577.4
77.5°	4279.8	4519.6	6039.4	8942.8	11965.0	12145.0	8171.2	1636.7	669.9	526.5	399.5
80°	1395.7	1605.1	2407.2	4553.3	7774.7	7741.2	3502.1	642.5	458.5	373.1	276.5
82.5°	592.7	617.0	1075.5	2150.0	3990.0	3928.0	1115.2	369.0	322.3	255.1	170.8
85°	231.8	259.2	474.8	994.2	1728.2	1690.5	402.5	183.0	206.3	166.8	101.7
87.5°	76.3	92.6	169.7	340.5	537.7	518.4	98.6	63.0	89.5	76.3	36.6
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°	2505.8	2505.8	2505.8	2505.8	2505.8	2505.8	2505.8	2505.8	2505.8	2505.8	2505.8
2.5°	2527.2	2543.4	2562.8	2591.2	2615.6	2636.0	2657.3	2670.5	2675.7	2690.8	2689.8
5°	2545.5	2581.1	2628.8	2675.7	2721.4	2748.8	2773.2	2785.4	2796.6	2804.7	2806.8
7.5°	2576.0	2621.7	2697.0	2758.0	2796.6	2819.0	2835.3	2831.2	2835.3	2837.2	2840.3
10°	2602.4	2666.4	2755.9	2813.8	2843.4	2844.4	2840.3	2826.0	2819.0	2820.0	2822.0
12.5°	2633.9	2705.1	2801.6	2850.4	2858.6	2836.3	2819.0	2794.6	2785.4	2781.3	2779.3
15°	2676.6	2758.0	2851.4	2869.8	2849.4	2821.0	2791.5	2751.8	2731.5	2715.2	2720.4
17.5°	2728.4	2817.9	2890.1	2876.9	2833.2	2786.5	2738.6	2678.6	2637.0	2619.7	2620.7
20°	2800.6	2881.0	2919.6	2861.7	2795.6	2724.4	2643.1	2569.9	2531.2	2514.0	2512.0
22.5°	2888.0	2965.3	2948.1	2835.3	2741.7	2627.8	2526.2	2472.3	2453.0	2440.8	2442.8
25°	2992.8	3058.9	2968.4	2796.6	2653.2	2499.8	2421.5	2404.2	2395.0	2385.9	2385.9
27.5°	3129.0	3164.6	2983.7	2739.6	2515.0	2363.5	2335.1	2338.1	2335.1	2319.8	2322.9
30°	3308.9	3301.8	2997.8	2647.2	2356.4	2240.5	2242.6	2255.8	2257.8	2247.6	2252.7
32.5°	3545.8	3473.6	3005.0	2527.2	2205.0	2132.7	2134.8	2149.0	2159.2	2141.9	2150.0
35°	3832.5	3673.9	2993.8	2376.8	2088.0	2030.1	2014.8	2018.9	2021.9	2005.7	2016.9
37.5°	4166.9	3898.6	2944.0	2210.0	1991.5	1929.5	1897.0	1869.5	1853.2	1837.9	1848.1
40°	4533.9	4143.6	2852.5	2047.3	1883.7	1822.8	1773.9	1722.1	1667.2	1646.9	1656.0
42.5°	4918.2	4395.6	2741.7	1891.8	1759.7	1709.9	1658.0	1582.8	1500.5	1458.8	1463.9
45°	5316.7	4653.9	2632.9	1738.3	1632.6	1611.3	1551.3	1460.8	1371.3	1318.5	1314.5
47.5°	5707.0	4897.9	2473.3	1583.8	1513.7	1537.1	1490.2	1406.9	1307.3	1224.0	1214.8
50°	6080.1	5126.5	2212.1	1427.3	1417.1	1514.6	1470.0	1350.0	1236.1	1129.4	1120.2
52.5°	6450.1	5311.5	1877.6	1284.9	1365.3	1508.6	1443.5	1311.4	1172.1	1060.3	1048.1
55°	6764.3	5407.2	1555.3	1163.0	1290.1	1456.7	1412.0	1265.7	1081.6	962.7	952.5
57.5°	6943.1	5329.9	1287.0	1043.0	1186.3	1371.3	1358.1	1168.1	973.9	882.4	870.2
60°	6866.0	5016.8	1067.4	938.3	1087.7	1278.9	1264.6	1071.4	891.5	805.1	792.9
62.5°	6440.0	4420.0	893.6	846.8	998.2	1184.3	1171.1	997.2	828.5	745.2	732.0
65°	5581.9	3595.6	758.4	770.6	907.8	1070.4	1089.8	935.2	778.7	697.4	684.2
67.5°	4257.4	2604.4	652.6	704.5	819.4	958.6	1014.5	890.5	737.0	659.8	647.6
70°	2426.6	1479.1	563.1	640.4	741.1	855.0	956.6	855.0	692.3	628.2	620.1
72.5°	920.0	679.1	487.0	576.4	665.8	767.5	892.6	799.0	640.4	592.7	584.6
75°	491.0	413.8	409.7	501.1	579.4	682.1	812.2	744.2	601.8	626.2	646.6
77.5°	334.5	292.7	342.6	429.0	484.9	587.5	726.8	660.8	521.5	519.5	478.8
80°	231.8	207.4	278.5	345.6	375.2	494.0	634.4	567.2	425.0	396.5	379.1
82.5°	139.3	135.2	208.4	258.2	265.4	381.2	525.5	475.8	347.7	302.9	304.9
85°	76.3	80.4	133.1	151.5	154.5	266.3	411.7	368.0	267.3	224.7	226.7
87.5°	21.3	27.5	48.8	60.0	74.2	138.3	245.0	218.5	134.2	93.5	93.5
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)