

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: P962367

Luminaire Tested: **NVN-SB2C-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P962367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB2C-722-U-T2R-HSS
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10736.9 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

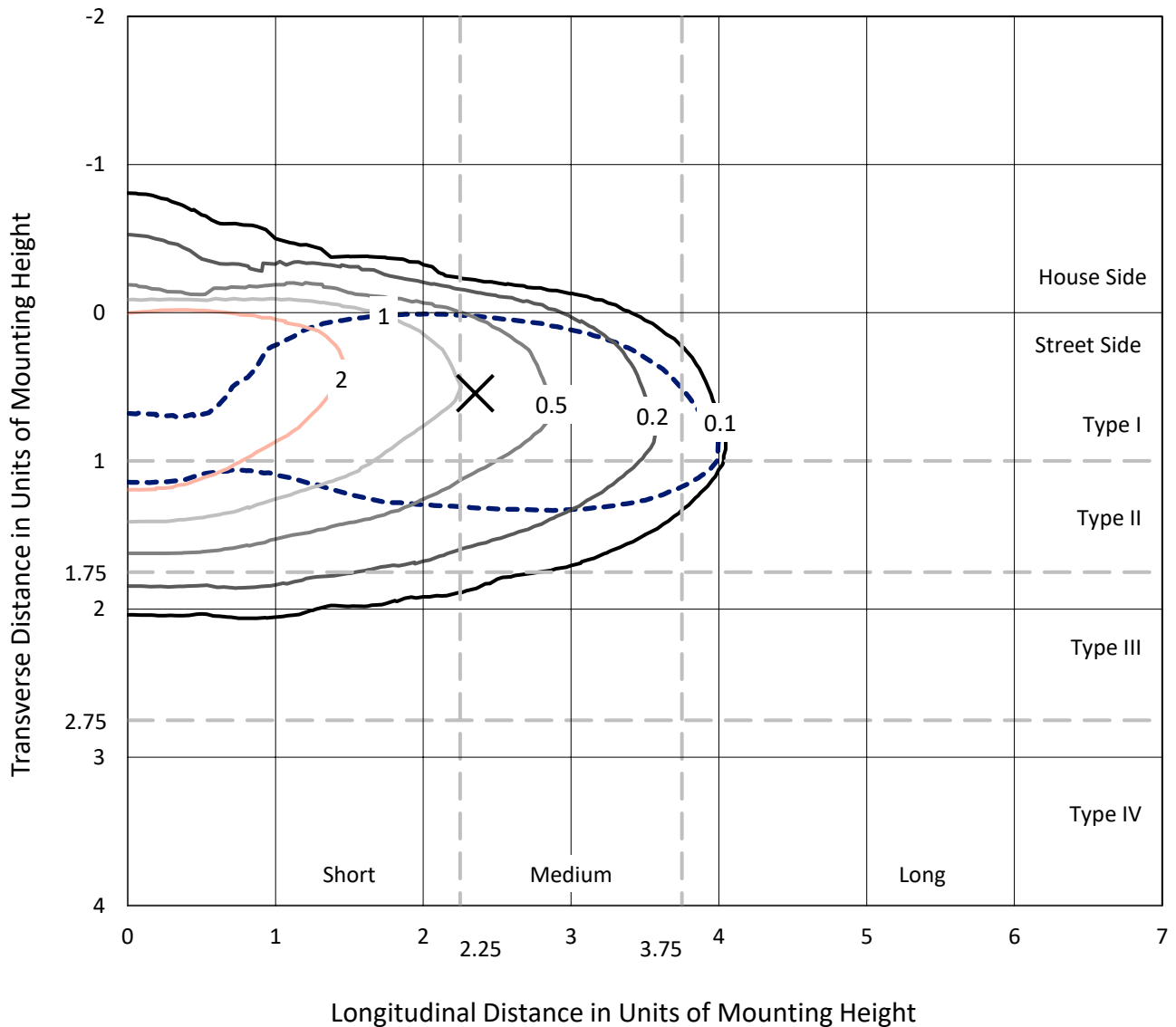
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

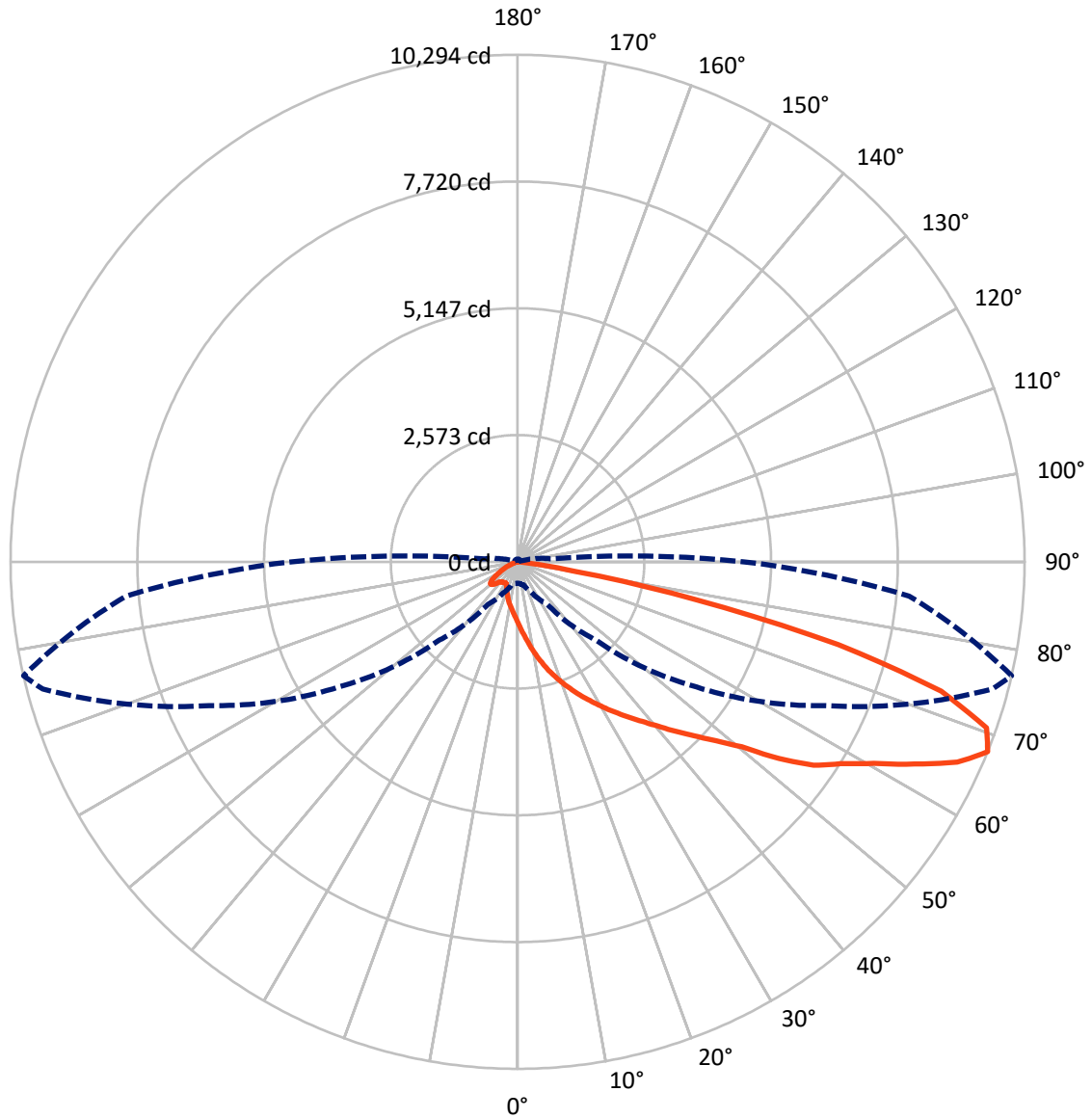
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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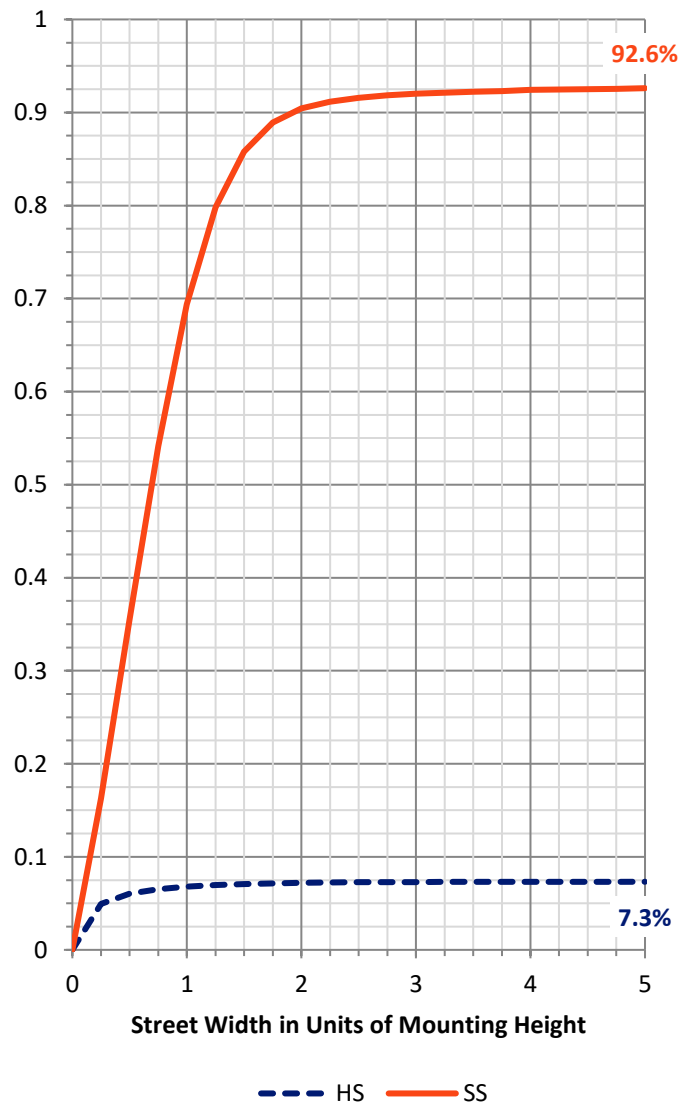
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	789.9	0.0	789.9
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	9947.0	0.0	9947.0
	% Fixture	92.6	0.0	92.6
Total	Lumens	10736.9	0.0	10736.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.4	1.2
10°-20°	442.5	4.1
20°-30°	854.0	8.0
30°-40°	1482.5	13.8
40°-50°	2152.6	20.0
50°-60°	2472.0	23.0
60°-70°	2146.1	20.0
70°-80°	1010.8	9.4
80°-90°	50.0	0.5
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°	10736.9	100.0
0°-180°	10736.9	100.0

Coefficient of Utilization

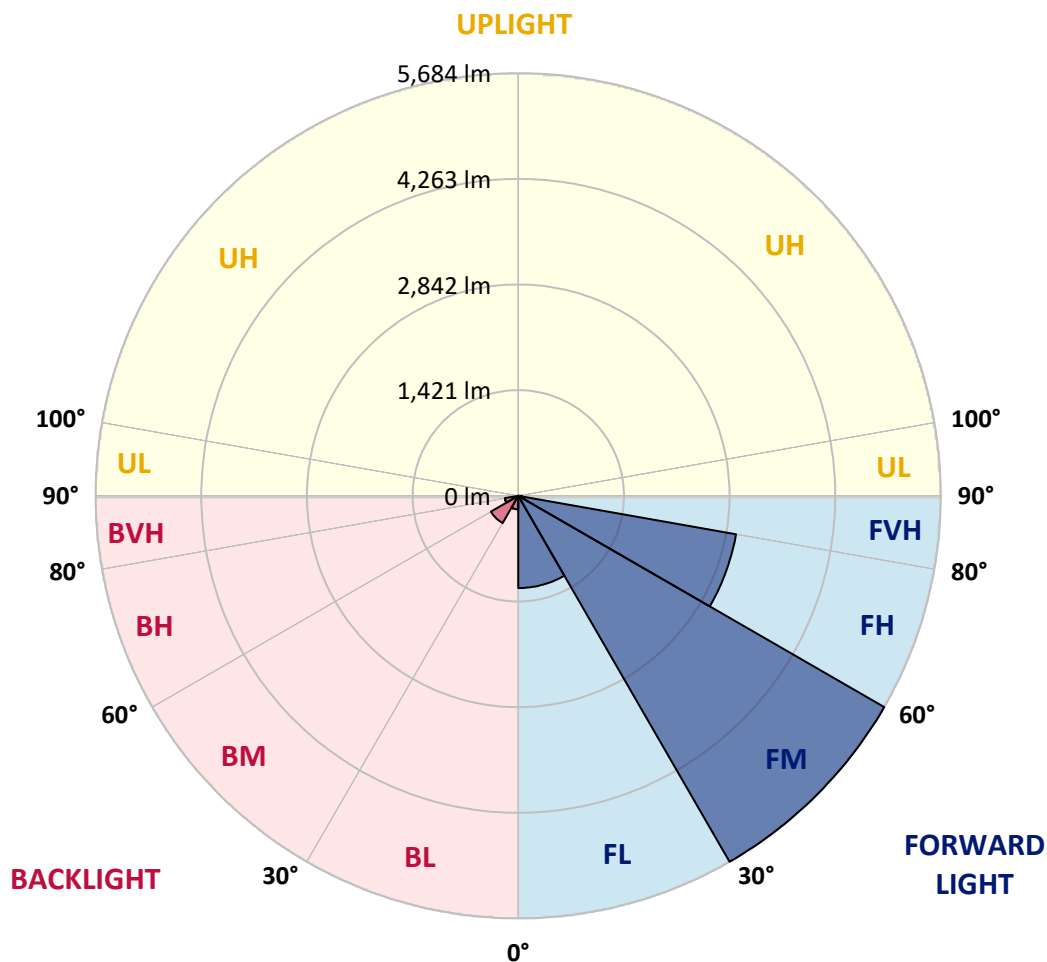


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1240.0	11.5			
FM (30°-60°)	5683.8	52.9			
FH (60°-80°)	2974.1	27.7			G2/5000
FVH (80°-90°)	49.1	0.5			G1/100
BL (0°-30°)	182.9	1.7	B1/500		
BM (30°-60°)	423.3	3.9	B1/1000		
BH (60°-80°)	182.9	1.7	B1/500		G1/500
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1
2.5°	1714.2	1724.9	1709.5	1680.2	1636.2	1607.5	1537.5	1471.5	1398.1	1374.8	1301.4
5°	2089.6	2098.9	2081.6	2049.5	1990.9	1934.9	1842.8	1704.8	1561.5	1515.5	1385.5
7.5°	2367.5	2372.9	2366.2	2336.9	2280.9	2217.6	2114.9	1951.5	1738.8	1688.2	1488.8
10°	2567.6	2584.9	2582.9	2571.6	2534.2	2482.9	2373.6	2187.6	1937.6	1872.2	1605.5
12.5°	2700.3	2719.6	2730.9	2756.2	2754.3	2721.6	2625.5	2428.9	2135.6	2058.8	1736.9
15°	2738.9	2759.6	2803.0	2861.6	2913.7	2930.3	2862.9	2665.6	2353.6	2255.5	1871.5
17.5°	2717.0	2748.9	2800.9	2893.6	3007.7	3083.0	3075.6	2894.3	2551.5	2439.6	2003.6
20°	2765.6	2796.3	2836.9	2915.0	3047.6	3184.3	3239.0	3112.9	2748.2	2631.0	2142.2
22.5°	3034.9	3029.6	3033.6	3046.3	3125.6	3260.9	3373.7	3311.7	2943.0	2823.0	2288.9
25°	3461.6	3437.6	3397.0	3328.3	3308.3	3373.7	3491.0	3487.7	3148.3	3019.6	2438.9
27.5°	3951.1	3947.1	3851.7	3686.3	3593.0	3567.7	3623.7	3659.0	3351.6	3214.3	2589.6
30°	4419.8	4430.5	4301.7	4117.7	3946.4	3847.0	3796.4	3821.7	3558.4	3424.3	2745.0
32.5°	4827.8	4839.1	4699.1	4483.8	4271.8	4151.8	4045.1	3982.4	3783.7	3637.7	2915.6
35°	5172.5	5183.8	5023.1	4785.1	4559.1	4450.4	4329.7	4158.4	4010.4	3874.4	3105.6
37.5°	5480.6	5477.2	5261.8	5021.8	4799.8	4713.8	4650.4	4375.1	4243.7	4112.4	3316.3
40°	5662.5	5676.6	5492.6	5227.8	5012.5	4949.8	4945.8	4643.8	4513.1	4385.8	3547.0
42.5°	5715.9	5740.5	5607.2	5389.9	5194.5	5126.5	5231.2	4934.5	4826.4	4702.5	3807.7
45°	5619.9	5643.9	5583.2	5432.5	5318.5	5274.5	5476.6	5235.8	5161.2	5038.5	4101.7
47.5°	5339.8	5369.9	5384.5	5352.5	5351.2	5395.8	5696.5	5553.2	5558.6	5433.2	4442.5
50°	4797.8	4848.5	4983.1	5096.5	5271.9	5491.8	5910.6	5897.2	6006.6	5898.6	4886.5
52.5°	3812.4	3884.3	4348.5	4658.4	5052.5	5473.9	6145.9	6449.3	6792.7	6634.6	5512.6
55°	3063.6	3063.6	3441.0	4021.1	4624.5	5355.2	6248.6	6807.9	7328.0	7290.7	5953.2
57.5°	2497.6	2527.5	2768.2	3281.0	4005.1	5072.5	6312.0	7033.3	7759.5	7732.1	6383.9
60°	1541.5	1606.2	2060.9	2566.9	3300.3	4569.1	6272.0	7261.4	8282.8	8304.8	6902.7
62.5°	868.1	892.1	1094.8	1846.8	2566.3	3892.3	5965.9	7388.7	8952.2	9045.5	7437.4
65°	599.4	611.4	689.4	1149.4	1778.9	3099.0	5367.8	7309.4	9622.9	9811.6	7890.8
67.5°	435.4	441.4	490.1	702.0	1055.4	2246.9	4430.5	6909.3	9978.3	10293.7	7977.5
70°	334.7	338.7	374.0	461.4	623.4	1386.8	3217.7	6113.9	9720.9	10097.7	7533.4
72.5°	272.0	276.0	303.4	341.3	413.4	820.1	1950.2	4965.1	8584.8	8991.5	6413.3
75°	229.4	234.7	259.3	284.0	324.0	526.7	914.7	3457.6	6456.0	6722.7	4459.8
77.5°	127.3	117.4	210.6	235.3	273.4	333.3	428.0	2034.8	3615.7	3689.7	1978.9
80°	79.3	82.0	167.4	189.3	210.0	168.0	196.0	783.4	1253.5	1190.7	383.3
82.5°	4.7	10.7	128.6	136.6	144.0	72.1	74.0	266.0	302.1	277.4	68.0
85°	0.0	0.0	58.6	47.4	50.0	20.7	21.3	62.0	40.7	44.0	13.3
87.5°	0.0	0.0	0.0	1.3	0.0	2.0	4.0	5.3	2.0	2.7	4.7
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°	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1	1238.1
2.5°	1254.8	1208.2	1113.5	1020.8	945.5	875.5	825.4	778.1	754.1	752.8	751.4
5°	1292.8	1194.7	1005.4	838.0	703.4	595.4	525.4	475.4	450.1	441.4	440.0
7.5°	1346.1	1198.7	910.7	678.0	519.4	426.7	386.7	370.7	365.4	359.4	358.0
10°	1413.5	1208.2	826.0	546.0	409.4	362.7	346.7	340.0	336.0	332.0	330.7
12.5°	1488.8	1216.8	742.1	453.4	360.1	336.0	324.7	316.7	311.4	306.7	305.3
15°	1562.1	1222.1	654.8	388.7	334.7	315.4	303.4	294.7	287.4	282.0	281.4
17.5°	1634.9	1229.5	572.8	350.0	314.1	294.7	282.7	272.0	266.0	260.0	259.3
20°	1715.5	1228.2	495.4	322.7	293.4	274.0	261.4	251.3	245.4	238.7	238.0
22.5°	1790.2	1221.5	427.4	299.4	272.0	253.4	239.3	229.4	223.3	218.0	217.4
25°	1876.2	1216.2	370.7	278.0	252.0	233.4	218.0	208.7	202.0	197.3	196.7
27.5°	1958.9	1208.2	329.3	258.7	232.7	214.7	200.0	189.3	183.4	180.0	180.0
30°	2040.2	1206.1	314.1	240.1	215.4	197.3	182.7	172.7	168.0	166.7	166.0
32.5°	2138.3	1211.4	320.7	233.4	199.4	181.3	167.4	160.0	155.4	155.4	155.4
35°	2242.9	1210.1	330.7	239.3	188.7	165.3	154.7	150.1	145.3	145.3	145.3
37.5°	2374.2	1212.2	338.7	249.4	184.7	152.0	146.1	140.0	137.4	137.4	137.4
40°	2570.3	1278.1	334.7	258.0	183.4	142.7	130.7	128.6	126.7	126.7	126.7
42.5°	2810.2	1421.5	340.0	258.7	182.7	136.0	120.0	124.0	119.3	118.7	118.0
45°	3073.0	1578.2	374.0	244.7	182.0	132.6	114.7	119.3	112.0	112.0	112.0
47.5°	3333.6	1733.5	408.7	224.7	180.0	132.0	110.0	107.3	105.4	106.0	106.0
50°	3693.0	1860.2	422.0	197.3	175.4	130.7	101.4	102.0	100.7	102.0	102.0
52.5°	4084.4	1886.8	406.0	166.7	162.1	126.7	95.3	98.0	97.4	98.7	98.7
55°	4328.4	1858.2	335.4	138.7	141.3	110.7	89.4	94.7	94.7	94.7	94.7
57.5°	4580.4	1736.1	238.0	112.6	117.4	90.7	84.0	91.3	90.7	90.0	90.0
60°	4761.8	1538.8	156.7	92.7	93.4	74.7	78.0	86.0	85.4	82.0	82.0
62.5°	4897.1	1320.8	100.7	78.7	71.3	67.3	71.3	78.0	75.3	68.0	66.6
65°	4881.8	1018.7	77.4	67.3	58.6	58.6	62.0	68.0	60.0	48.0	46.6
67.5°	4597.1	689.4	64.0	56.7	49.3	48.7	51.4	56.7	51.4	40.7	39.4
70°	4088.4	450.7	51.4	44.0	39.4	36.0	41.3	48.7	43.4	32.7	31.4
72.5°	3318.3	274.7	38.6	32.0	28.7	23.4	32.7	40.0	34.6	24.0	22.7
75°	2146.9	140.0	26.6	20.7	15.4	14.0	24.0	30.0	24.0	14.7	12.7
77.5°	821.4	58.6	14.7	9.3	8.0	6.7	13.3	18.0	10.0	3.4	2.7
80°	158.1	24.7	7.4	4.7	4.0	2.7	2.0	1.3	0.0	0.0	0.0
82.5°	27.4	8.0	2.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.4	0.0	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)