

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: P960260

Luminaire Tested: **NVN-SB1C-722-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P960260
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB1C-722-U-T2R
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6460.6 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

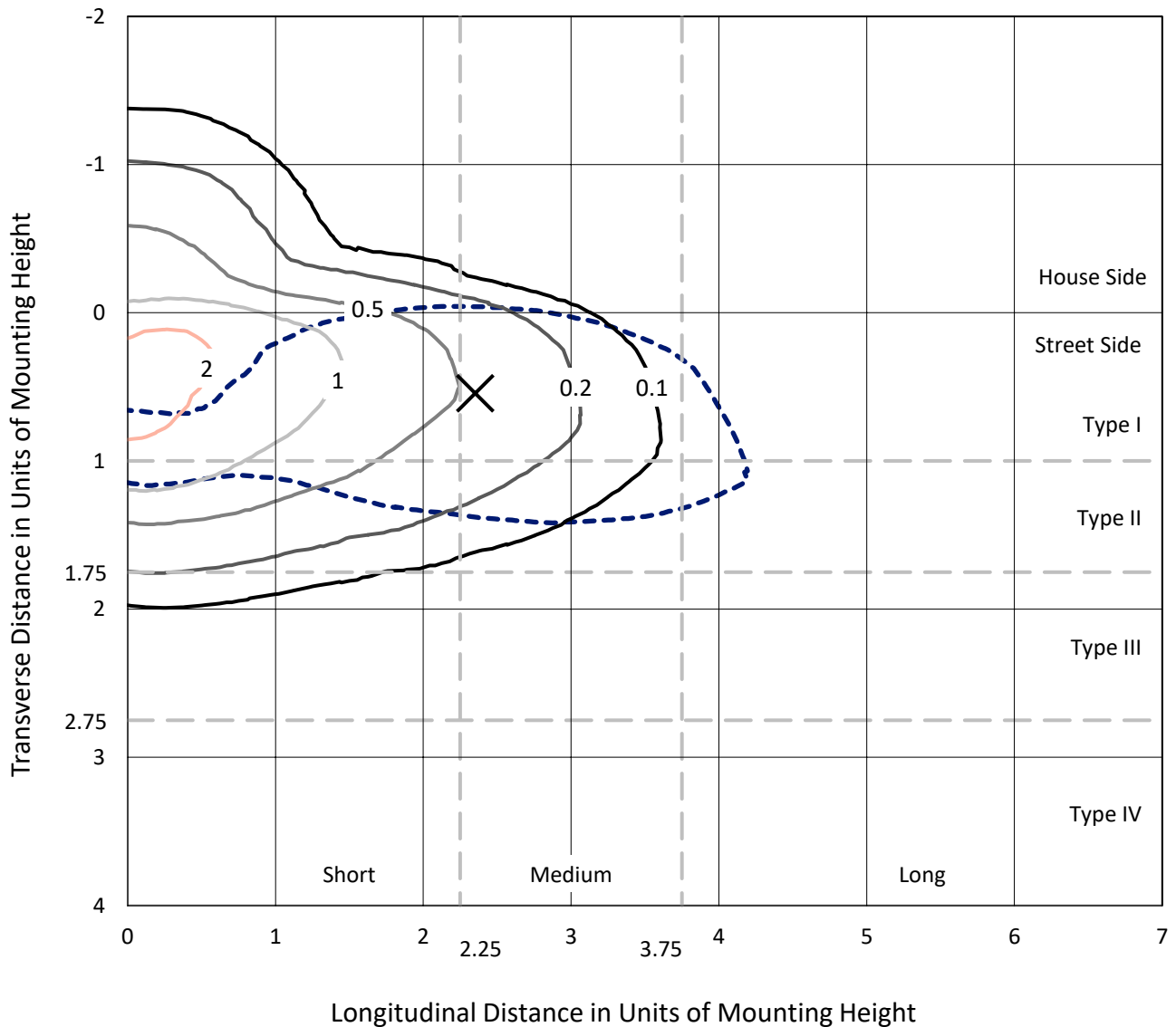
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

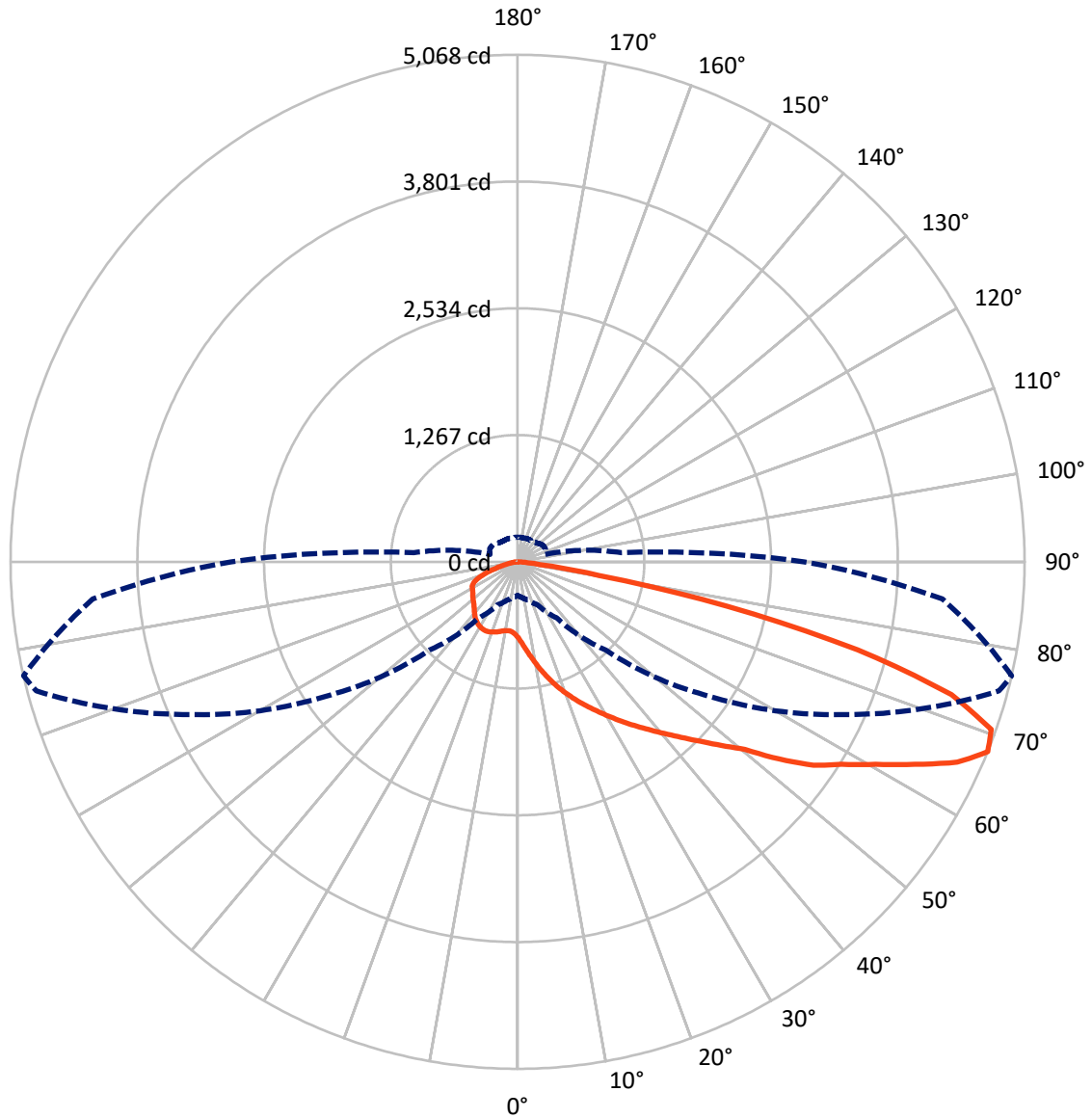
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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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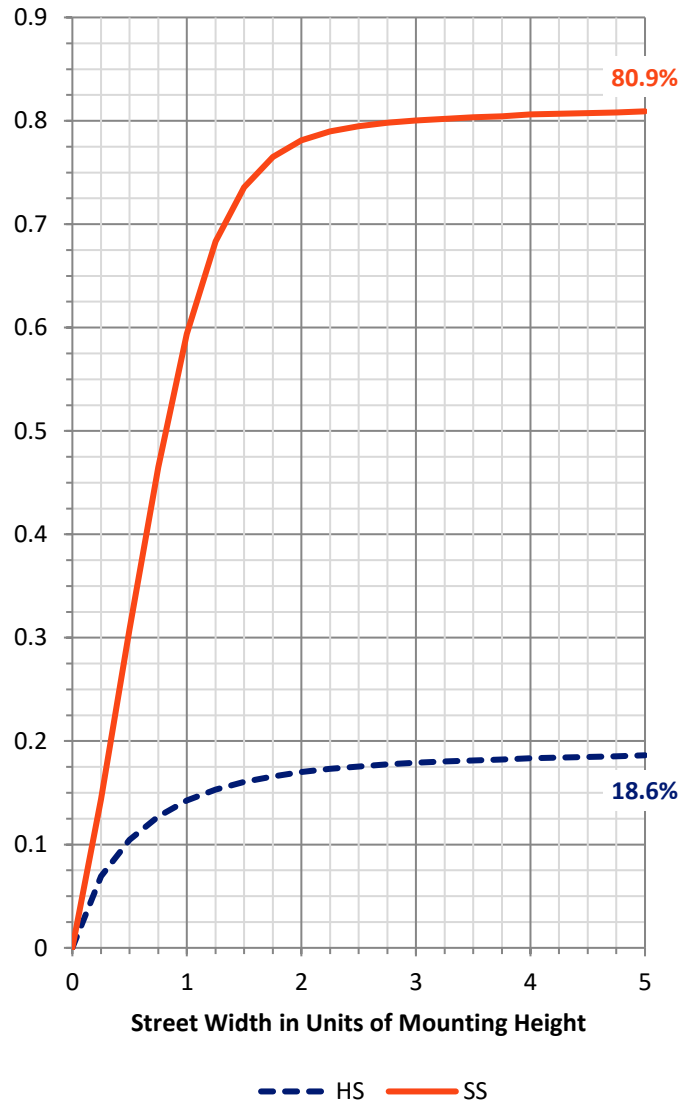
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1222.1	0.0	1222.1
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	5238.5	0.0	5238.5
	% Fixture	81.1	0.0	81.1
Total	Lumens	6460.6	0.0	6460.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.3	1.3
10°-20°	291.9	4.5
20°-30°	551.1	8.5
30°-40°	887.9	13.7
40°-50°	1214.4	18.8
50°-60°	1369.9	21.2
60°-70°	1278.6	19.8
70°-80°	700.9	10.8
80°-90°	84.6	1.3
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°	6460.6	100.0
0°-180°	6460.6	100.0

Coefficient of Utilization

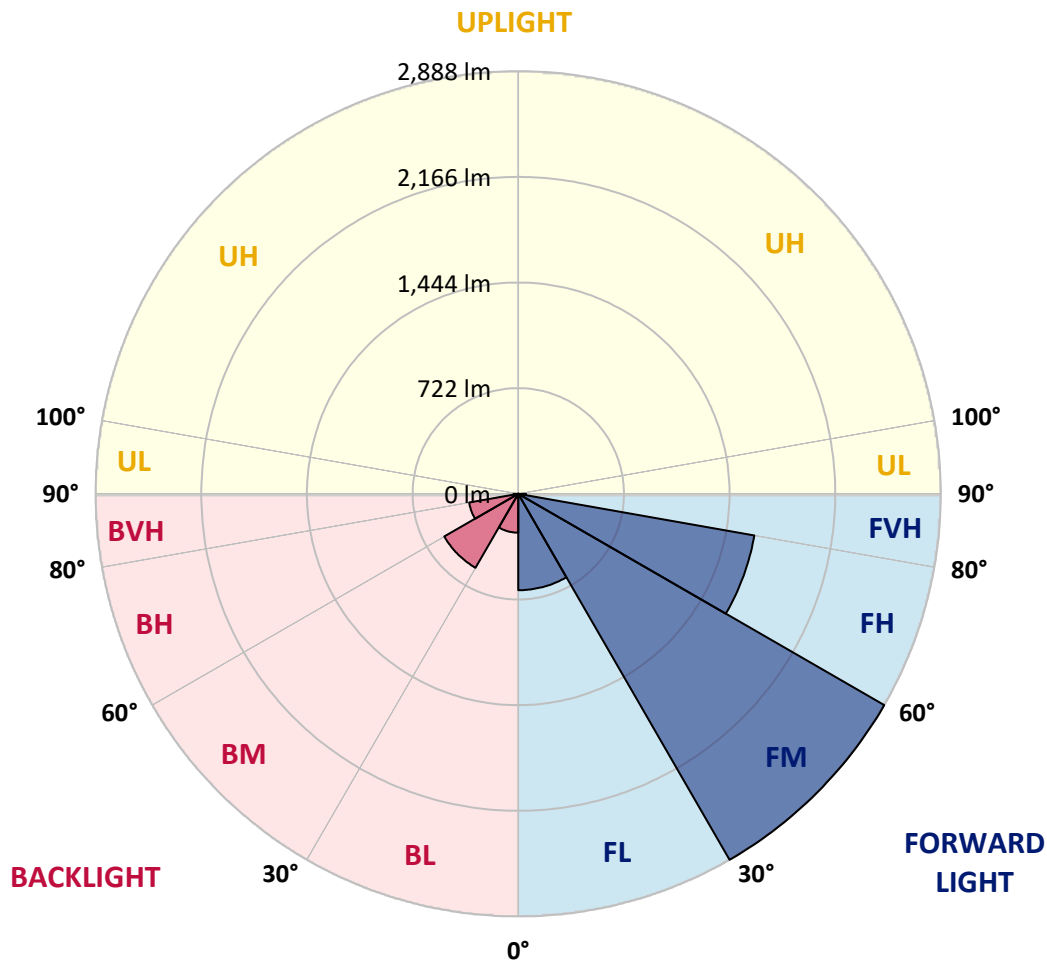


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	658.6	10.2			
FM (30°-60°)	2888.4	44.7			
FH (60°-80°)	1638.6	25.4			G1/1800
FVH (80°-90°)	52.9	0.8			G1/100
BL (0°-30°)	265.7	4.1	B1/500		
BM (30°-60°)	583.8	9.0	B1/1000		
BH (60°-80°)	340.9	5.3	B1/500		G1/500
BVH (80°-90°)	31.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	949.1	955.8	947.4	947.4	919.4	904.8	876.8	855.4	817.0	810.4	785.0
5°	1121.9	1130.2	1118.5	1113.6	1080.6	1050.2	1003.2	956.8	888.5	881.4	821.7
7.5°	1255.6	1266.3	1255.9	1250.6	1221.3	1187.3	1132.2	1067.5	971.1	957.5	871.0
10°	1364.7	1366.3	1362.9	1365.0	1341.9	1313.9	1257.6	1182.2	1061.8	1043.1	930.8
12.5°	1426.4	1434.0	1440.6	1452.7	1448.7	1431.3	1380.7	1290.6	1157.8	1133.9	995.8
15°	1455.4	1468.7	1483.7	1511.4	1533.7	1538.0	1499.4	1407.0	1255.6	1226.6	1061.5
17.5°	1465.6	1478.4	1502.0	1542.1	1590.1	1622.5	1605.0	1520.1	1352.3	1319.0	1130.6
20°	1518.0	1521.7	1536.1	1574.1	1626.1	1679.8	1692.8	1628.7	1448.0	1410.3	1201.9
22.5°	1630.1	1622.8	1626.8	1644.1	1681.5	1733.5	1763.2	1724.8	1546.4	1503.1	1274.0
25°	1815.2	1793.9	1772.5	1752.5	1771.5	1800.8	1834.5	1820.9	1649.4	1594.4	1346.6
27.5°	2049.0	2022.9	1975.9	1910.2	1887.2	1897.6	1912.5	1909.9	1744.9	1689.1	1421.7
30°	2279.1	2248.7	2192.7	2097.7	2037.0	2009.6	1998.2	1990.7	1848.6	1789.1	1497.4
32.5°	2462.9	2438.8	2383.8	2277.4	2189.4	2142.7	2105.0	2077.7	1956.9	1897.6	1577.4
35°	2623.6	2601.2	2538.2	2422.2	2326.4	2276.7	2227.4	2169.0	2069.7	2009.6	1663.5
37.5°	2770.3	2747.9	2661.6	2540.9	2444.5	2410.2	2366.1	2267.1	2182.7	2126.1	1754.5
40°	2863.0	2858.0	2777.3	2640.6	2540.6	2523.5	2508.9	2380.8	2308.1	2255.4	1854.5
42.5°	2886.7	2897.7	2833.7	2721.3	2625.9	2612.2	2646.5	2509.5	2448.8	2398.5	1967.9
45°	2829.7	2861.4	2819.4	2743.0	2686.6	2679.2	2768.6	2650.2	2604.5	2558.5	2104.6
47.5°	2685.3	2739.0	2721.6	2710.9	2702.9	2734.6	2876.0	2799.7	2781.0	2741.0	2260.7
50°	2393.8	2495.6	2525.9	2593.2	2670.6	2777.6	2973.7	2962.8	2987.1	2946.8	2450.9
52.5°	1889.9	2030.0	2206.0	2374.8	2571.2	2763.3	3081.1	3196.9	3299.6	3277.5	2752.9
55°	1560.0	1623.1	1758.5	2067.9	2378.5	2702.9	3129.5	3386.0	3609.7	3590.1	2982.0
57.5°	1306.7	1362.9	1446.4	1704.8	2087.0	2565.9	3159.5	3501.3	3822.1	3820.2	3208.1
60°	1034.8	1094.5	1179.9	1362.9	1746.5	2329.1	3152.8	3632.7	4093.2	4109.9	3484.0
62.5°	728.1	793.8	888.5	1059.1	1398.6	2022.3	3016.8	3727.7	4412.4	4457.8	3815.8
65°	478.6	521.9	593.3	740.7	1042.1	1627.8	2756.9	3740.1	4754.0	4830.6	4127.3
67.5°	335.5	352.2	394.2	474.3	687.0	1248.2	2343.1	3612.4	4981.7	5068.1	4262.4
70°	261.8	270.1	291.5	323.5	431.5	839.4	1795.5	3280.2	4933.0	5023.0	4121.3
72.5°	226.1	234.1	242.1	246.1	289.5	518.2	1216.3	2742.6	4474.4	4535.5	3583.4
75°	205.1	207.0	213.8	212.5	220.8	336.2	702.0	1998.2	3530.3	3509.3	2645.2
77.5°	172.4	175.1	186.0	184.4	196.1	229.8	364.5	1289.7	2288.7	2146.0	1472.4
80°	146.1	147.4	159.4	157.4	170.5	166.5	186.0	657.3	970.8	822.4	424.6
82.5°	50.7	62.7	121.8	125.4	130.1	100.8	107.4	268.1	296.4	227.1	89.1
85°	24.7	26.3	62.0	88.0	87.7	50.7	52.4	95.7	93.4	73.4	29.7
87.5°	4.0	5.0	7.4	34.3	27.4	13.3	18.0	18.7	19.4	16.7	6.7
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°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	766.4	749.7	714.6	682.3	657.0	632.6	619.0	607.3	600.6	599.3	599.3
5°	787.0	752.7	689.0	635.3	600.2	574.3	560.6	552.0	547.6	544.9	544.6
7.5°	816.7	766.4	675.7	614.6	577.9	559.2	552.3	550.9	550.6	550.9	552.0
10°	857.7	788.7	674.3	609.7	578.9	568.6	568.3	568.6	569.9	570.3	570.6
12.5°	902.1	811.7	679.7	614.0	591.6	586.0	585.0	584.7	585.6	586.3	586.6
15°	950.5	842.0	688.7	623.3	605.6	599.6	598.6	596.7	596.2	595.9	595.6
17.5°	1000.1	872.1	698.6	633.3	614.6	606.3	602.6	598.0	594.3	593.3	594.3
20°	1050.5	901.8	705.7	638.3	615.3	603.6	596.2	588.2	581.9	578.3	579.6
22.5°	1104.2	932.7	710.0	636.9	609.3	593.3	579.9	570.6	561.0	554.6	554.9
25°	1156.5	959.8	709.7	630.0	597.6	577.3	560.3	548.3	534.9	528.3	528.3
27.5°	1206.9	984.1	701.3	617.7	581.0	558.2	537.9	523.6	510.6	504.2	503.9
30°	1258.9	1004.5	688.3	599.6	561.3	536.3	513.9	501.5	489.9	483.9	483.6
32.5°	1310.7	1023.2	669.9	577.3	538.6	514.6	492.6	481.2	474.3	474.3	474.6
35°	1365.3	1036.2	645.6	551.2	514.6	491.6	474.3	467.6	466.9	462.9	461.9
37.5°	1423.0	1044.5	615.9	524.6	490.9	469.2	463.9	455.9	449.3	440.5	439.2
40°	1483.7	1052.9	580.3	496.9	465.9	453.9	451.5	440.9	421.9	400.6	397.5
42.5°	1557.4	1058.5	543.2	469.2	439.5	435.5	438.9	420.6	390.2	374.2	374.5
45°	1642.8	1067.8	509.2	441.9	412.6	412.6	426.5	402.5	377.5	367.5	369.2
47.5°	1753.5	1089.5	477.5	411.8	387.6	394.2	399.2	380.9	366.8	354.5	354.1
50°	1913.6	1141.5	444.8	381.5	368.5	381.8	374.8	364.2	347.8	337.8	336.8
52.5°	2112.3	1172.2	415.8	354.1	352.2	365.5	355.5	345.5	333.1	319.8	317.1
55°	2247.7	1177.9	391.5	334.2	341.1	339.8	336.2	327.2	320.5	302.8	303.2
57.5°	2399.1	1189.2	371.5	322.2	334.2	319.5	318.2	310.5	301.8	289.8	285.8
60°	2580.2	1206.9	354.1	317.4	328.2	306.2	299.5	296.4	287.8	281.8	283.5
62.5°	2777.6	1222.9	336.5	318.2	321.1	293.2	283.1	282.2	276.8	274.8	274.8
65°	2912.3	1179.3	314.5	317.4	310.2	279.8	267.1	266.8	262.5	261.8	261.5
67.5°	2865.4	1040.8	284.8	308.1	298.8	266.5	252.5	251.1	245.5	245.8	245.8
70°	2629.9	843.4	243.7	285.2	284.8	254.4	237.1	232.8	225.1	226.4	227.8
72.5°	2188.4	624.9	188.8	246.8	262.5	243.4	219.5	212.5	202.7	204.1	203.8
75°	1580.4	424.9	137.4	187.8	228.5	230.4	202.1	190.1	178.5	180.4	181.1
77.5°	808.7	240.8	101.1	129.4	179.4	209.4	186.4	170.5	167.8	186.4	183.8
80°	263.8	120.7	70.0	90.7	117.8	171.4	163.4	145.0	144.4	148.7	127.7
82.5°	78.7	51.0	45.0	59.7	65.0	131.4	141.0	109.7	94.4	99.4	102.7
85°	27.1	24.7	25.7	29.7	31.1	77.1	98.7	72.7	68.7	75.7	74.7
87.5°	6.4	8.7	7.4	6.7	6.7	18.7	38.3	30.3	42.0	28.0	27.1
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)