

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: P970790

Luminaire Tested: **NVN-SB6C-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P970790
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB6C-722-U-SL3
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37582.6 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 300.9
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



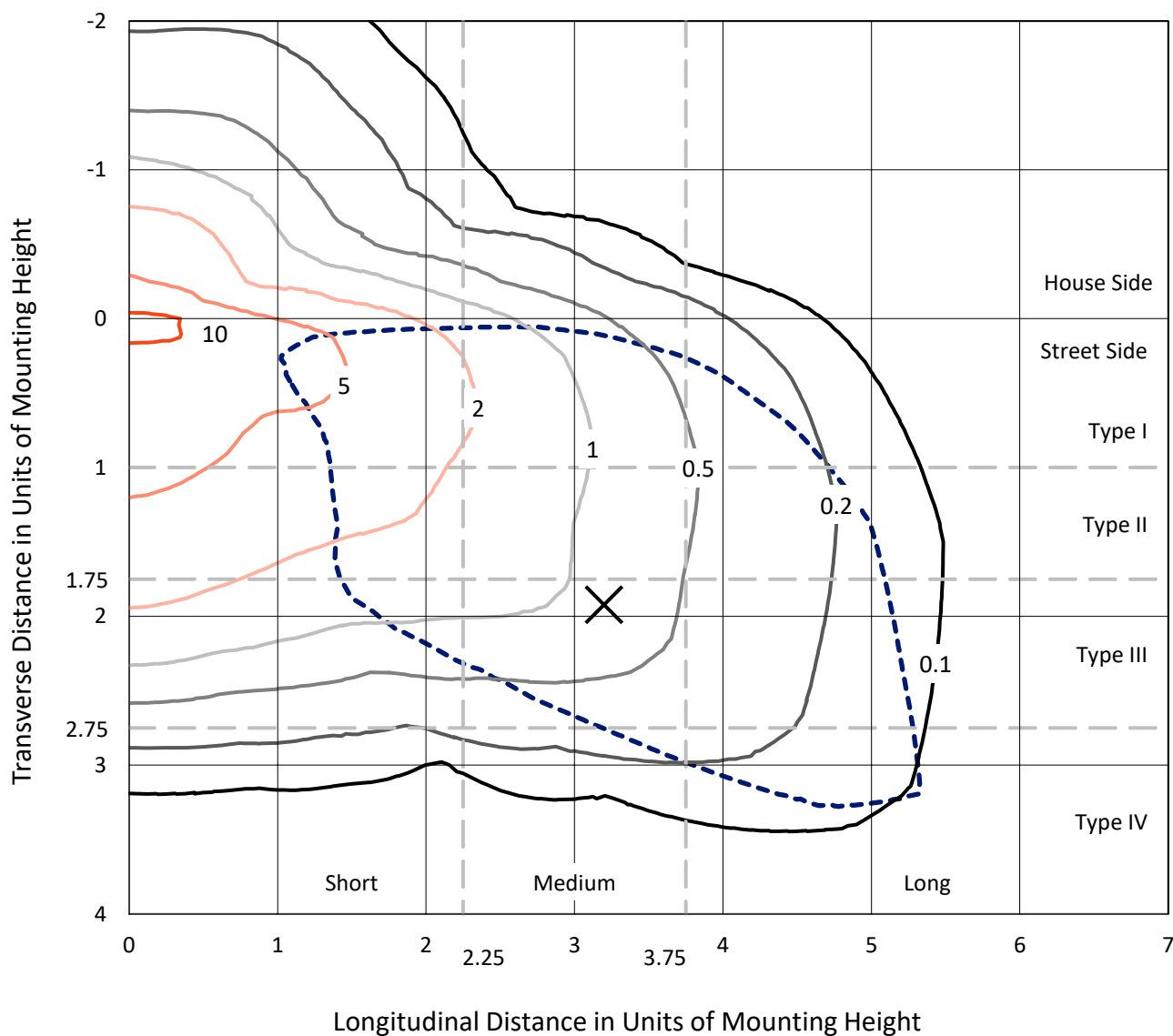
REPORT NUMBER: P970790

CATALOG NUMBER: NVN-SB6C-722-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

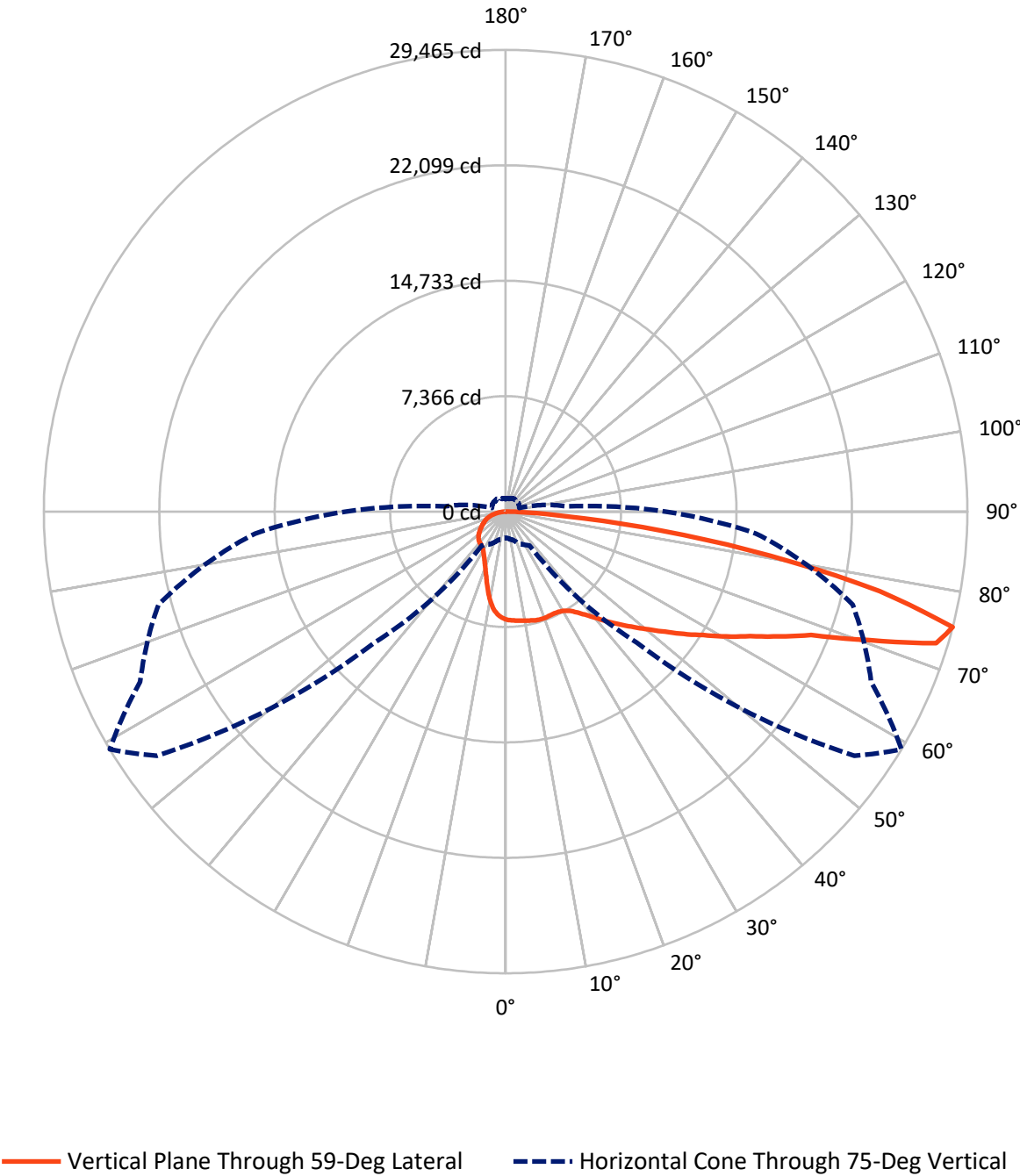
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc
Type IV - Medium - N/A

REPORT NUMBER: P970790
CATALOG NUMBER: NVN-SB6C-722-U-SL3

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7048.9	0.0	7048.9
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	30533.8	0.0	30533.8
	% Fixture	81.2	0.0	81.2
Total	Lumens	37582.6	0.0	37582.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	618.5	1.6
10°-20°	1581.0	4.2
20°-30°	2401.4	6.4
30°-40°	3569.7	9.5
40°-50°	5308.7	14.1
50°-60°	7206.0	19.2
60°-70°	8797.3	23.4
70°-80°	6904.0	18.4
80°-90°	1195.9	3.2
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°	37582.6	100.0
0°-180°	37582.6	100.0

Coefficient of Utilization



REPORT NUMBER: P970790

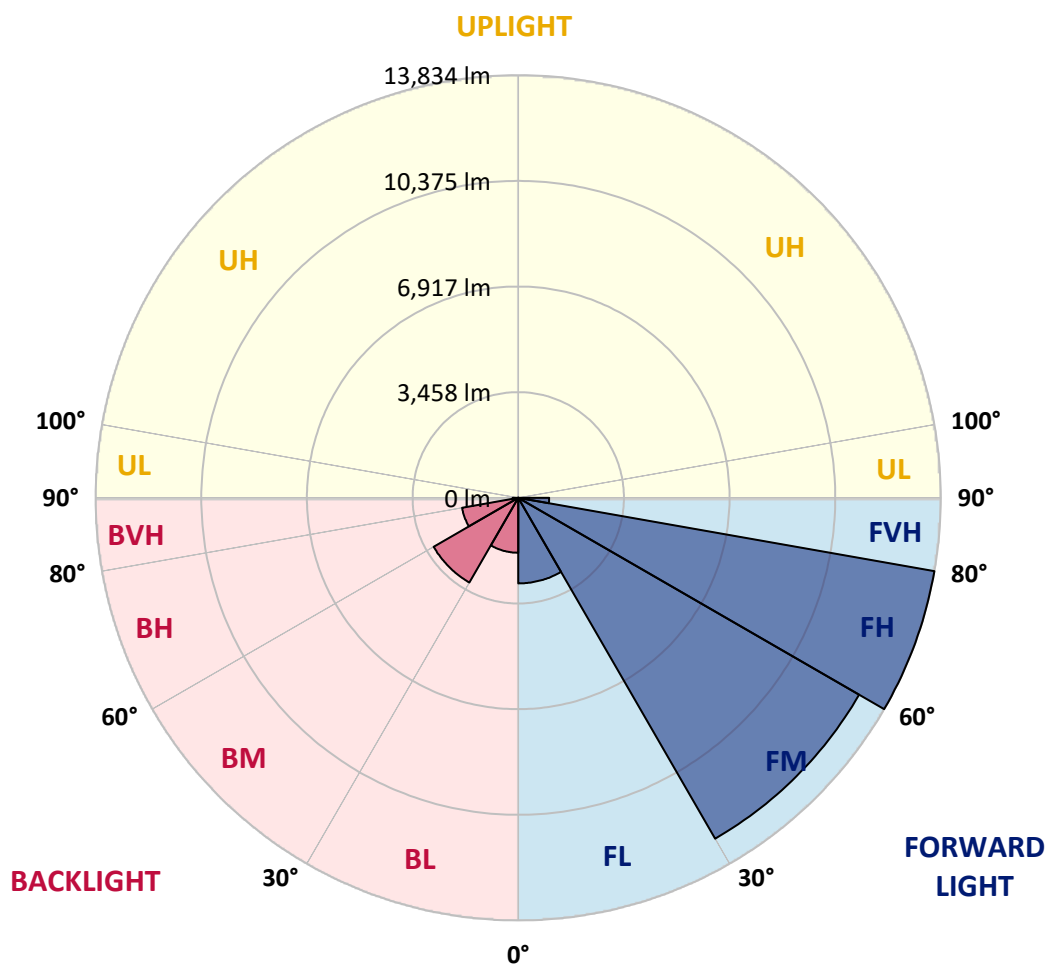
CATALOG NUMBER: NVN-SB6C-722-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2802.2	7.5			
FM	(30°-60°)	12884.9	34.3			
FH	(60°-80°)	13833.8	36.8			G5
FVH	(80°-90°)	1012.9	2.7			G5
BL	(0°-30°)	1798.8	4.8	B3/2500		
BM	(30°-60°)	3199.5	8.5	B3/5000		
BH	(60°-80°)	1867.5	5.0	B3/2500		G3/2500
BVH	(80°-90°)	183.1	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Medium



REPORT NUMBER: P970790

CATALOG NUMBER: NVN-SB6C-722-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	6898.2	6898.2	6898.2	6898.2	6898.2	6898.2	6898.2	6898.2	6898.2	6898.2	6898.2
2.5°	6956.9	6932.6	6956.9	6946.7	6942.7	6934.6	6936.6	6950.7	6942.7	6952.8	6918.4
5°	6910.3	6896.2	6920.5	6914.3	6940.7	6944.7	6971.0	6987.1	6997.3	6999.3	6973.0
7.5°	6833.5	6819.3	6853.8	6882.1	6938.6	6954.8	7009.4	7035.7	7049.8	7074.1	7035.7
10°	6552.5	6546.5	6631.3	6738.5	6871.9	6954.8	7037.8	7082.2	7104.5	7169.2	7124.7
12.5°	6055.2	6063.2	6174.4	6380.6	6647.5	6914.3	7070.0	7134.7	7169.2	7250.0	7229.7
15°	5580.0	5578.0	5699.3	5919.7	6293.7	6736.5	7086.2	7197.4	7256.1	7375.4	7359.2
17.5°	5305.1	5297.0	5381.9	5549.7	5897.4	6463.5	7045.8	7231.8	7357.1	7506.8	7492.6
20°	5254.6	5238.4	5282.8	5365.8	5612.4	6164.3	6940.7	7231.8	7438.0	7632.2	7624.1
22.5°	5438.5	5412.2	5394.1	5383.9	5493.1	5917.6	6821.4	7207.5	7557.3	7812.0	7797.9
25°	5808.5	5768.1	5675.0	5584.1	5551.7	5806.4	6716.2	7201.4	7735.3	8054.7	8002.1
27.5°	6407.0	6356.3	6168.3	5950.0	5753.9	5863.1	6669.8	7237.8	7931.3	8311.4	8206.3
30°	7148.9	7094.3	6857.8	6522.2	6170.4	6073.3	6728.4	7345.0	8182.1	8653.0	8446.9
32.5°	7814.1	7753.4	7551.3	7209.5	6734.5	6437.2	6914.3	7549.2	8576.3	9128.2	8808.7
35°	8404.4	8333.7	8151.7	7836.3	7425.9	6948.8	7250.0	7911.2	9136.3	9900.5	9300.0
37.5°	8982.6	8899.8	8701.6	8368.0	8080.9	7630.1	7713.0	8376.1	9880.3	10838.6	9951.0
40°	9629.6	9510.4	9269.7	8940.2	8661.1	8428.7	8321.6	8946.2	10636.4	11885.9	10763.8
42.5°	10256.4	10143.1	9856.0	9575.0	9225.2	9158.5	9027.1	9613.4	11463.3	13036.3	11588.6
45°	10931.6	10796.1	10448.4	10092.6	9872.2	9643.7	9710.4	10280.6	12274.1	14208.9	12454.0
47.5°	11564.5	11412.8	11002.3	10606.1	10484.8	10052.2	10337.2	11014.4	13117.1	15397.7	13311.2
50°	11906.1	11756.4	11414.8	11057.0	10962.0	10555.6	11016.5	11821.2	14000.6	16582.3	14134.0
52.5°	12191.1	12029.4	11582.6	11384.5	11356.2	11103.4	11853.5	12743.1	14884.1	17629.7	14928.6
55°	12494.4	12314.5	11744.3	11566.4	11695.9	11718.1	12846.2	13788.3	15818.2	18650.7	15678.7
57.5°	12844.2	12615.7	11900.0	11720.1	12027.3	12437.8	13986.4	14872.0	16736.1	19596.9	16345.9
60°	13173.7	12943.3	12199.2	11964.7	12385.3	13272.8	15294.5	16184.1	17775.2	20439.9	16976.7
62.5°	13238.4	13048.4	12437.8	12435.8	12870.4	14247.3	16843.2	17508.3	18683.0	21272.8	17542.8
65°	12118.4	11999.1	11637.2	12417.6	13566.0	15650.4	18567.8	19202.6	19837.4	22000.7	18040.1
67.5°	9223.3	9239.3	9213.1	10719.3	13003.9	17666.1	21064.6	21016.1	21262.7	22817.4	18612.3
70°	4217.4	4312.4	4931.1	7399.6	10418.1	17898.6	25193.1	24564.2	23052.0	23874.8	19107.5
72.5°	2278.5	2351.2	2604.0	3584.5	6263.4	15913.2	28278.2	28725.0	25431.6	24586.5	18563.7
75°	1672.0	1712.5	1888.4	2278.5	2630.3	11827.3	27172.3	29465.0	25728.8	22926.7	16030.5
77.5°	1251.4	1269.7	1413.2	1805.4	1346.4	6235.1	21711.6	24402.5	22025.0	18836.6	11841.4
80°	907.7	927.9	1035.1	1354.5	944.1	2280.5	14908.4	17128.3	15084.3	12007.2	5901.5
82.5°	626.8	634.8	681.3	921.9	659.1	885.5	8459.0	10044.1	8420.6	4213.4	1593.2
85°	378.0	388.2	408.4	537.8	374.0	420.6	3651.3	3776.6	2517.1	1006.9	495.3
87.5°	155.7	165.7	181.9	226.4	147.6	117.3	602.5	756.1	471.1	295.2	153.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P970790

CATALOG NUMBER: NVN-SB6C-722-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6898.2	6898.2	6898.2	6898.2	6898.2	6898.2	6898.2	6898.2	6898.2	6898.2	6898.2
2.5°	6908.3	6894.2	6855.7	6803.2	6754.6	6694.0	6667.7	6645.5	6625.3	6586.9	6568.7
5°	6950.7	6912.4	6809.3	6675.8	6524.2	6358.4	6196.6	6085.4	5990.4	5919.7	5861.1
7.5°	7015.5	6942.7	6754.6	6481.7	6134.0	5778.1	5456.7	5228.2	5056.4	4993.7	4884.5
10°	7082.2	6995.2	6667.7	6186.6	5586.0	5038.2	4611.6	4377.1	4239.6	4195.1	4126.3
12.5°	7161.1	7033.7	6532.3	5776.2	4973.5	4373.1	4001.1	3863.5	3792.8	3768.5	3774.6
15°	7276.3	7066.0	6328.0	5262.7	4389.3	3887.8	3647.3	3552.2	3515.9	3513.8	3521.9
17.5°	7363.2	7072.1	6010.7	4712.7	3940.4	3594.7	3396.5	3360.2	3384.4	3420.8	3435.0
20°	7460.3	7017.5	5594.1	4211.3	3625.0	3337.9	3255.0	3279.3	3337.9	3390.5	3408.6
22.5°	7529.0	6918.4	5090.8	3821.1	3352.1	3190.3	3186.3	3236.8	3269.1	3295.5	3309.6
25°	7589.6	6750.6	4557.0	3493.6	3127.7	3101.3	3145.8	3129.6	3107.4	3129.6	3143.8
27.5°	7634.1	6485.8	4079.9	3206.5	2969.9	3040.7	3014.4	2978.0	2976.0	2988.2	3008.4
30°	7620.0	6132.0	3687.6	2933.5	2858.7	2927.5	2864.8	2858.7	2852.7	2858.7	2881.0
32.5°	7620.0	5729.6	3386.4	2745.6	2788.0	2761.8	2755.6	2741.5	2717.3	2715.2	2741.5
35°	7662.4	5327.3	3127.7	2644.5	2729.4	2666.6	2670.7	2636.4	2585.8	2561.6	2585.8
37.5°	7749.4	5003.8	2870.9	2595.9	2626.3	2624.2	2608.0	2549.4	2460.5	2383.6	2409.9
40°	7959.6	4908.8	2695.0	2573.7	2577.8	2602.0	2559.5	2446.4	2244.1	2118.8	2135.0
42.5°	8289.2	5068.5	2656.6	2519.1	2545.4	2569.7	2486.8	2223.9	2080.3	2005.6	2005.6
45°	8707.7	5347.5	2739.5	2440.2	2468.5	2511.0	2264.3	2139.0	2074.3	2076.3	2086.5
47.5°	9237.4	5640.7	2893.2	2371.5	2357.4	2381.6	2116.7	2040.0	1951.0	1973.2	2029.8
50°	9849.9	5937.9	3038.7	2278.5	2234.0	2155.2	2021.7	1948.9	1835.8	1783.2	1797.3
52.5°	10513.1	6224.9	3097.3	2165.3	2100.6	2009.6	1957.0	1868.1	1730.6	1643.7	1641.6
55°	11141.9	6485.8	3032.7	2029.8	1967.2	1896.4	1888.4	1833.7	1686.1	1564.9	1564.9
57.5°	11736.2	6704.1	2870.9	1892.4	1831.7	1789.2	1843.9	1817.5	1631.6	1475.9	1467.8
60°	12239.6	6853.8	2636.4	1752.9	1710.4	1688.2	1771.1	1763.0	1554.7	1380.9	1374.8
62.5°	12640.0	6912.4	2377.6	1619.4	1609.4	1568.9	1669.9	1669.9	1457.7	1287.8	1281.8
65°	12953.3	6855.7	2114.8	1488.0	1508.2	1447.6	1546.6	1534.5	1354.5	1205.0	1196.9
67.5°	13230.3	6669.8	1823.6	1358.6	1405.1	1328.3	1417.3	1389.0	1241.4	1122.1	1114.0
70°	13353.7	6237.1	1492.1	1229.2	1285.9	1211.0	1287.8	1235.3	1114.0	1033.1	1016.9
72.5°	12363.0	5183.7	1174.6	1093.8	1142.3	1081.7	1148.3	1087.7	976.5	940.1	909.8
75°	10228.1	3889.9	903.7	946.2	982.6	936.0	980.5	936.0	835.0	861.3	786.5
77.5°	7427.9	2626.3	691.5	790.5	806.7	782.4	820.8	770.3	679.3	673.2	642.9
80°	3693.7	1538.5	541.8	624.7	618.7	602.5	647.0	622.7	545.9	578.2	572.2
82.5°	1069.5	659.1	394.2	438.7	426.6	430.6	463.0	475.1	711.7	705.6	721.8
85°	335.6	258.8	236.6	244.7	232.5	238.5	273.0	541.8	501.4	293.2	317.4
87.5°	86.9	89.0	58.6	62.6	64.7	76.9	86.9	329.5	157.7	103.1	109.2
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)