

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: P970881

Luminaire Tested: **NVN-SB6C-735-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P970881
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-SB6C-735-U-SL2
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 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: 46267.5 lumens
Efficiency: N/A
Efficacy: 153.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

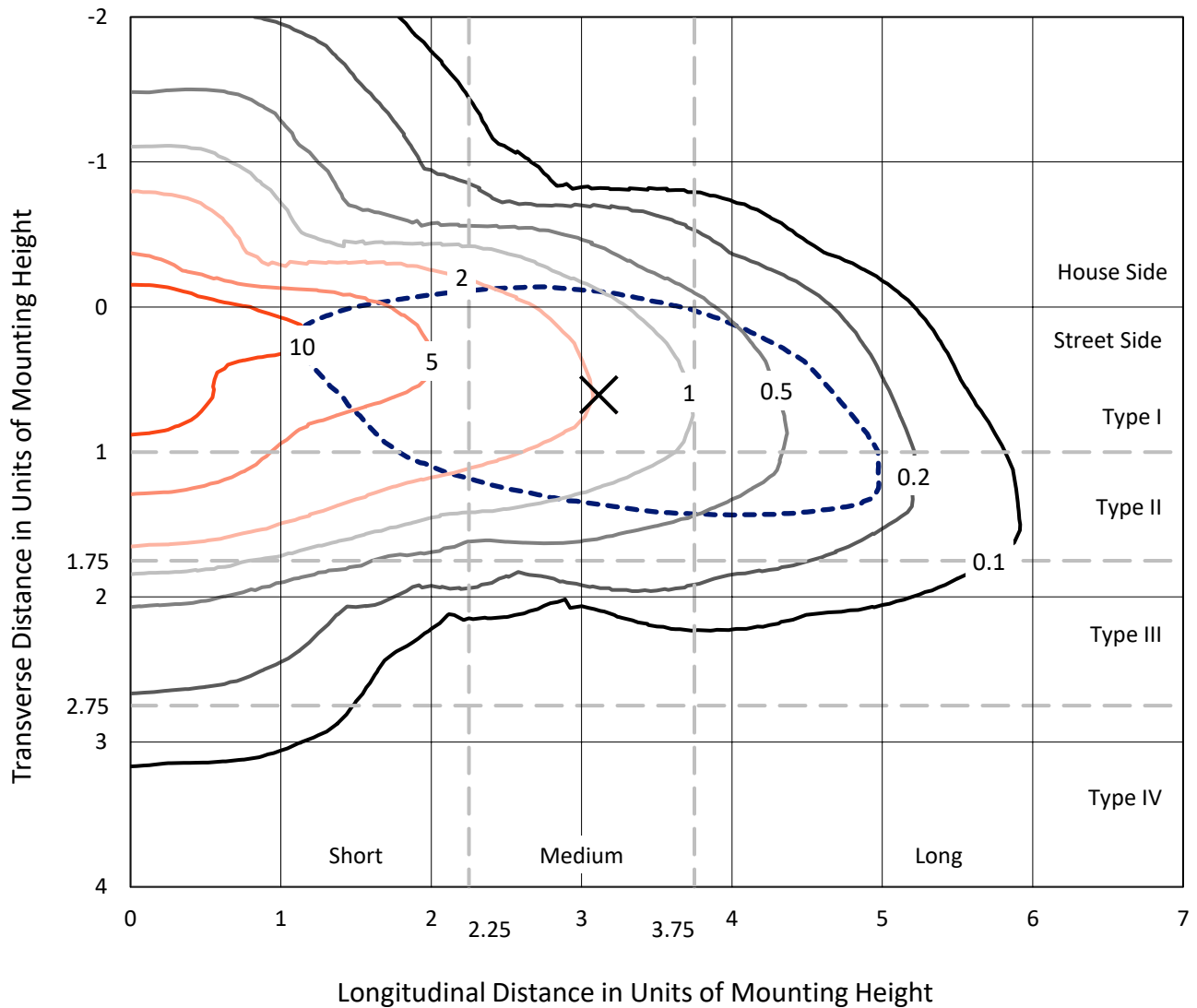
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

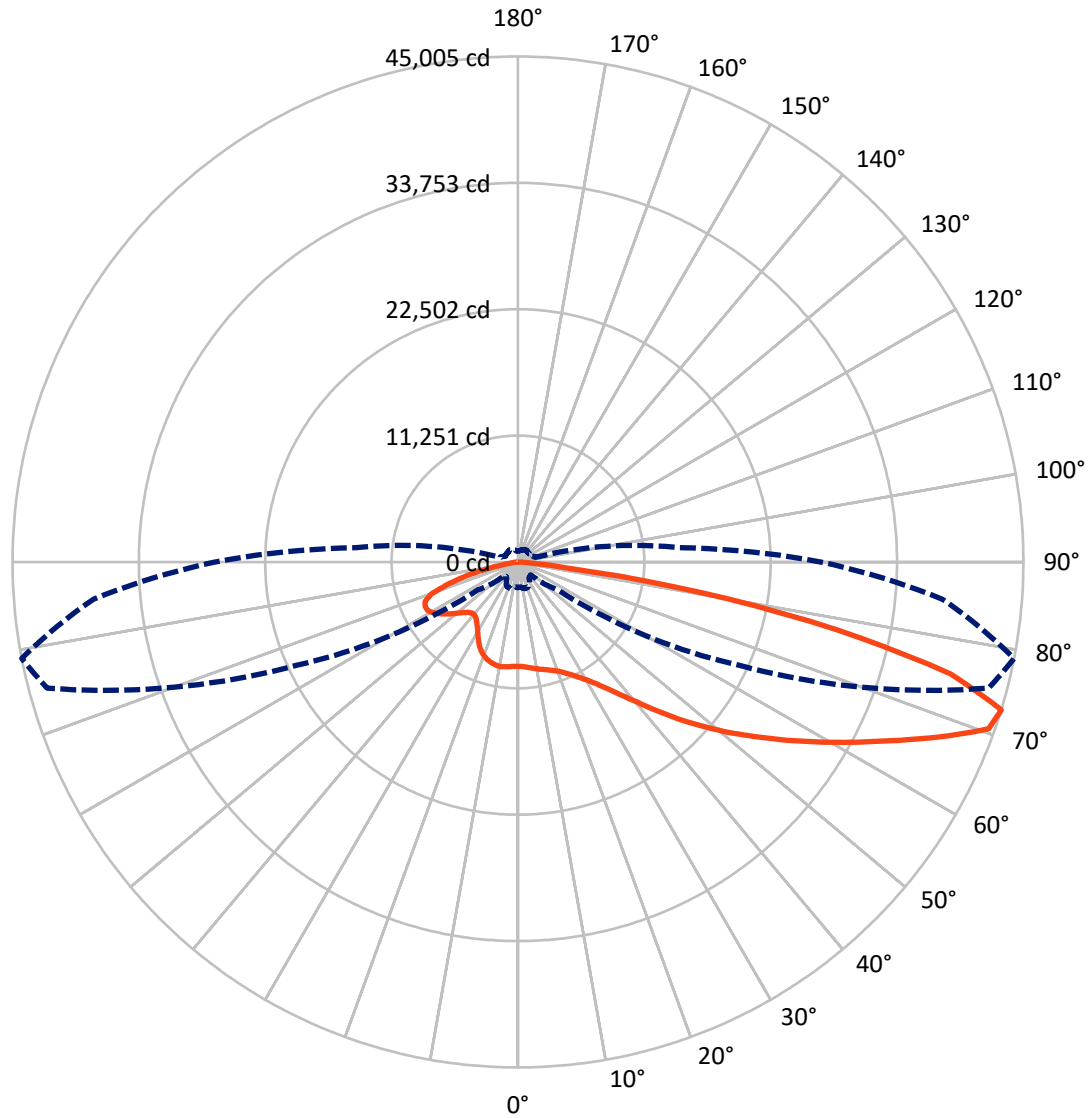
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.9 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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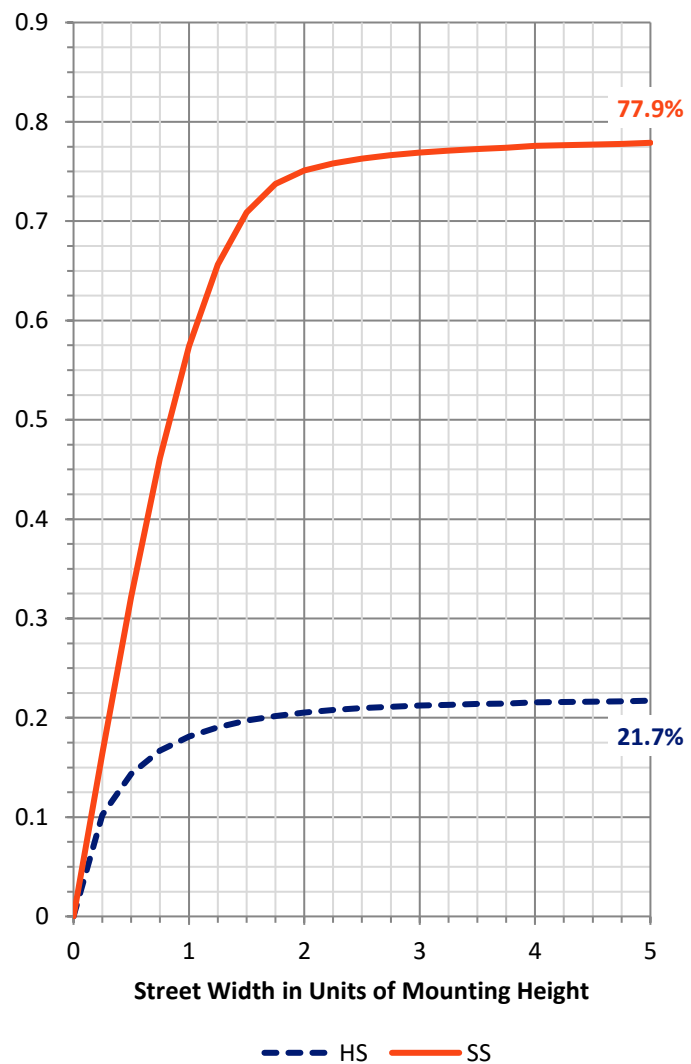
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10181.4	0.0	10181.4
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	36086.1	0.0	36086.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	46267.5	0.0	46267.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	843.1	1.8
10°-20°	2204.2	4.8
20°-30°	3556.6	7.7
30°-40°	5338.0	11.5
40°-50°	7572.3	16.4
50°-60°	9562.8	20.7
60°-70°	9712.3	21.0
70°-80°	6619.4	14.3
80°-90°	858.8	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°	46267.5	100.0
0°-180°	46267.5	100.0

Coefficient of Utilization



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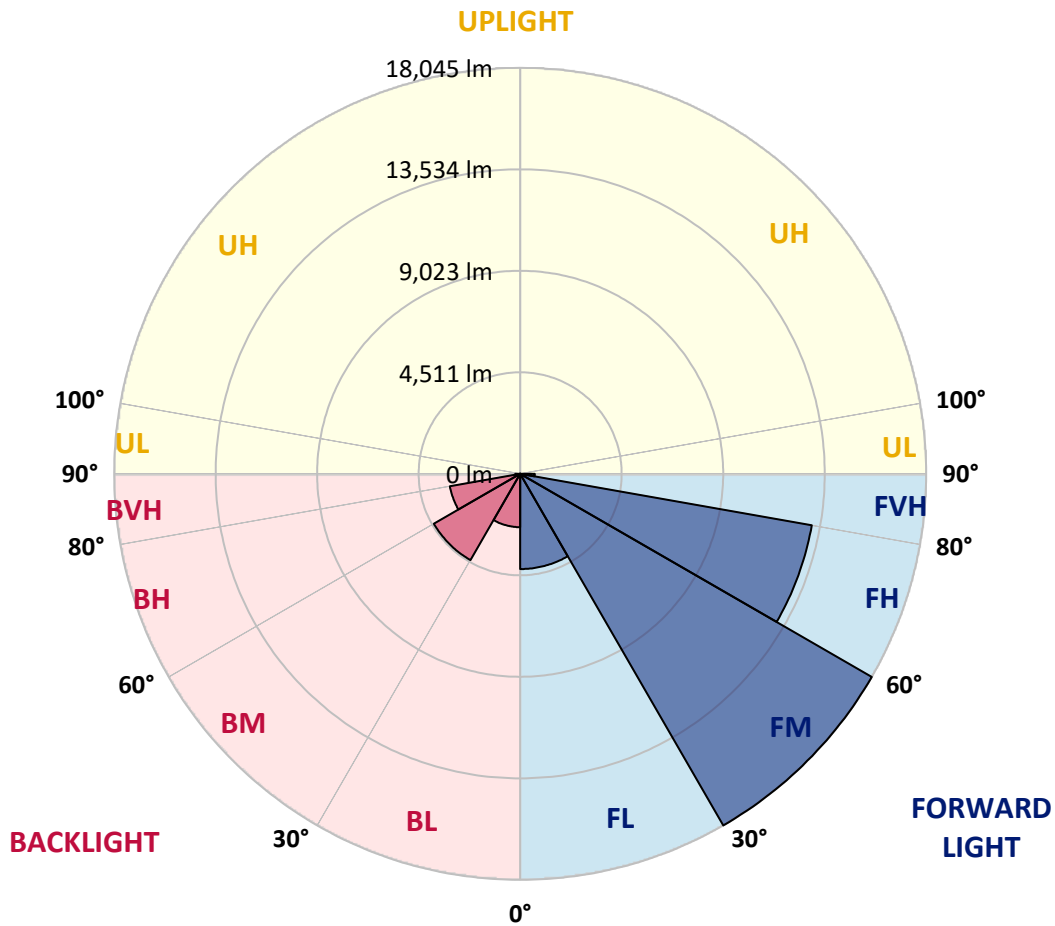
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4232.4	9.1			
FM (30°-60°)	18045.3	39.0			
FH (60°-80°)	13161.5	28.4			G5
FVH (80°-90°)	646.9	1.4			G4/750
BL (0°-30°)	2371.5	5.1	B3/2500		
BM (30°-60°)	4427.8	9.6	B3/5000		
BH (60°-80°)	3170.2	6.9	B4/5000		G4/5000
BVH (80°-90°)	211.9	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	9287.7	9287.7	9287.7	9287.7	9287.7	9287.7	9287.7	9287.7	9287.7	9287.7	9287.7
2.5°	9292.6	9248.6	9275.5	9265.7	9278.0	9292.6	9297.6	9304.8	9329.3	9326.9	9324.4
5°	9273.1	9229.0	9265.7	9253.5	9285.3	9319.6	9348.9	9375.9	9415.0	9432.2	9407.7
7.5°	9231.5	9202.1	9238.8	9275.5	9334.3	9385.6	9427.2	9488.4	9544.7	9554.5	9571.7
10°	8989.1	8967.1	9052.8	9148.2	9309.8	9449.3	9539.9	9610.8	9672.0	9681.7	9706.2
12.5°	8737.1	8710.1	8805.7	8935.3	9197.2	9449.3	9640.2	9733.2	9787.0	9818.9	9855.6
15°	8695.5	8673.4	8727.3	8839.9	9057.7	9383.2	9708.7	9880.0	9926.5	9963.2	9977.9
17.5°	8896.2	8854.6	8876.6	8915.8	9043.1	9322.1	9762.5	10046.4	10117.4	10156.5	10156.5
20°	9361.2	9302.5	9268.2	9189.8	9167.8	9331.8	9757.7	10247.1	10340.1	10389.1	10401.3
22.5°	9980.3	9941.2	9867.8	9669.5	9454.2	9451.7	9850.7	10504.1	10677.8	10724.4	10695.0
25°	10729.3	10670.6	10577.5	10308.3	9894.7	9689.1	10007.3	10832.0	11123.3	11135.5	11049.9
27.5°	11590.7	11502.7	11375.3	11020.5	10462.5	10061.1	10247.1	11208.9	11634.8	11629.9	11453.7
30°	12498.7	12410.6	12276.0	11845.2	11142.9	10562.8	10579.9	11615.2	12241.7	12214.8	11913.8
32.5°	13161.9	13095.8	13069.0	12736.1	11926.0	11155.1	10961.8	12065.5	12990.6	12966.1	12545.2
35°	13671.0	13585.4	13617.1	13448.3	12780.1	11818.4	11429.2	12601.5	13901.0	13898.6	13374.8
37.5°	14175.1	14099.3	14126.2	14013.6	13570.7	12660.2	11999.5	13257.4	15029.3	15083.1	14378.3
40°	14635.3	14554.5	14662.2	14556.9	14185.0	13555.9	12648.0	13998.9	16336.1	16438.9	15592.2
42.5°	14911.8	14848.1	15026.8	15029.3	14718.5	14312.2	13360.2	14816.4	17848.6	18078.7	17085.1
45°	15007.2	14985.2	15254.5	15310.7	15190.8	14750.3	14001.4	15707.2	19478.6	19889.7	18786.0
47.5°	14904.4	14862.8	15234.9	15442.9	15538.3	14955.9	14532.4	16671.4	21142.8	21744.9	20641.0
50°	14385.7	14304.9	14858.0	15296.1	15636.3	15090.5	15068.4	17785.0	23034.6	23693.0	22506.0
52.5°	13453.1	13392.0	14021.0	14782.1	15420.8	15156.6	15670.5	19001.3	24830.9	25682.7	24417.3
55°	12261.3	12180.6	12873.2	13866.8	14884.8	15134.5	16272.5	20362.1	26950.4	27814.3	26392.4
57.5°	10372.0	10210.4	11086.6	12261.3	14011.1	15107.6	16899.1	21715.4	29104.1	30139.3	28499.6
60°	7616.2	7376.4	8450.7	9843.3	12302.9	14845.7	17674.9	23232.9	31688.5	32620.9	30800.1
62.5°	4434.7	4295.2	4997.5	6297.1	9273.1	13303.9	18110.5	24997.4	34228.8	35207.8	33061.5
65°	3443.5	3404.3	3465.4	3565.8	5161.5	9960.7	16766.9	26717.9	37459.3	38144.7	35418.3
67.5°	3149.7	3120.4	3147.3	2958.9	2618.7	5548.2	13264.7	27153.5	40919.9	41336.0	37481.4
70°	2799.8	2765.6	2853.6	2692.1	2060.7	2523.2	8570.6	25572.5	43673.3	44453.9	39050.1
72.5°	2280.9	2241.8	2447.4	2373.9	1735.2	1620.1	4304.9	21815.8	43384.5	45004.6	37926.8
75°	1752.3	1730.3	1975.1	2036.2	1414.6	1275.1	2065.6	16216.2	38178.9	39811.3	32687.0
77.5°	1360.7	1343.6	1468.4	1691.1	1140.5	988.7	1270.2	10286.3	28771.2	29057.6	22525.6
80°	1020.6	971.6	1086.6	1309.3	888.4	722.0	861.5	5998.5	18186.4	16485.5	9804.1
82.5°	638.8	614.3	709.7	873.7	626.5	496.8	560.5	3313.7	7288.3	4292.7	1891.8
85°	364.7	354.9	386.7	499.3	340.2	286.4	320.6	1463.5	1331.4	915.3	570.2
87.5°	146.9	142.0	176.2	222.7	124.8	105.3	112.5	352.4	293.7	271.6	188.5
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°	9287.7	9287.7	9287.7	9287.7	9287.7	9287.7	9287.7	9287.7	9287.7	9287.7	9287.7
2.5°	9314.7	9314.7	9280.5	9226.5	9165.3	9126.2	9062.6	9045.4	8979.4	8959.8	8991.6
5°	9427.2	9407.7	9302.5	9150.7	8942.7	8751.8	8541.3	8409.1	8223.2	8157.1	8206.0
7.5°	9569.2	9515.4	9334.3	9001.4	8565.8	8137.5	7692.1	7354.4	7031.3	6916.3	6930.9
10°	9699.0	9623.0	9314.7	8732.2	7978.4	7236.9	6527.1	6030.3	5653.4	5499.2	5533.5
12.5°	9828.6	9689.1	9184.9	8284.4	7143.8	6138.0	5381.8	4995.0	4762.6	4576.6	4637.7
15°	9951.0	9755.2	8984.3	7684.7	6228.5	5208.0	4650.0	4341.6	4155.7	4033.3	4055.3
17.5°	10093.0	9811.5	8683.3	6923.6	5357.3	4564.3	4109.1	3923.1	3886.4	3871.7	3881.6
20°	10291.2	9862.9	8286.8	6071.9	4716.0	4050.4	3815.5	3798.3	3795.9	3788.5	3813.0
22.5°	10504.1	9924.0	7763.0	5298.5	4170.3	3729.8	3688.2	3653.9	3631.9	3629.4	3656.4
25°	10756.1	9943.6	7107.1	4664.7	3705.3	3578.1	3529.1	3477.7	3463.1	3463.1	3477.7
27.5°	11000.9	9877.6	6343.6	4114.0	3443.5	3438.6	3374.9	3357.8	3355.3	3362.7	3382.3
30°	11245.7	9752.8	5584.9	3604.9	3291.7	3291.7	3269.6	3281.9	3291.7	3316.2	3333.3
32.5°	11576.0	9620.5	4951.1	3228.0	3159.6	3135.1	3157.1	3181.6	3191.3	3223.2	3250.1
35°	12060.7	9527.6	4446.9	3022.5	3022.5	2990.6	3002.9	2998.0	2976.0	2961.3	2995.6
37.5°	12701.8	9522.7	4030.8	2927.1	2907.5	2902.6	2905.1	2873.2	2787.6	2684.8	2687.2
40°	13472.7	9654.9	3710.2	2861.0	2846.3	2875.6	2861.0	2775.3	2540.4	2361.7	2356.8
42.5°	14508.0	10031.8	3504.7	2780.2	2824.3	2861.0	2802.2	2506.1	2347.0	2227.1	2222.2
45°	15726.8	10643.6	3399.4	2694.5	2782.7	2826.7	2542.8	2413.1	2285.9	2141.4	2131.7
47.5°	17107.0	11414.5	3374.9	2613.8	2689.7	2716.6	2432.6	2373.9	2229.6	2073.0	2060.7
50°	18609.8	12327.4	3441.0	2518.3	2555.0	2462.0	2395.9	2342.1	2192.9	2038.6	2021.5
52.5°	20163.9	13333.3	3573.2	2388.7	2420.4	2317.6	2381.3	2334.7	2170.8	1962.8	1948.1
55°	21691.0	14346.4	3700.5	2236.9	2283.4	2188.0	2339.7	2305.4	2070.5	1835.6	1823.3
57.5°	23242.6	15354.8	3825.2	2102.3	2151.3	2063.1	2273.6	2227.1	1957.9	1718.0	1713.2
60°	24855.4	16333.7	3883.9	1972.6	2006.8	1948.1	2173.3	2092.5	1830.6	1598.2	1590.8
62.5°	26365.5	17148.7	3788.5	1842.8	1864.9	1840.4	2041.1	1933.5	1703.3	1463.5	1461.0
65°	27880.4	17633.3	3494.8	1715.6	1720.5	1708.3	1855.1	1762.1	1554.1	1346.0	1331.4
67.5°	29253.4	17904.9	3027.4	1578.6	1566.3	1561.4	1681.3	1576.1	1409.7	1228.6	1213.9
70°	29544.6	17214.8	2312.8	1417.1	1417.1	1404.8	1490.5	1382.7	1250.6	1103.7	1098.9
72.5°	26984.7	14481.1	1642.2	1233.5	1253.1	1228.6	1299.6	1209.0	1089.1	991.2	961.9
75°	21759.5	10619.1	1194.3	1045.0	1079.3	1037.7	1103.7	1040.2	937.4	934.9	841.9
77.5°	14951.0	6566.3	866.3	861.5	885.9	832.1	907.9	873.7	780.7	739.1	692.6
80°	6380.3	2618.7	631.4	665.6	665.6	616.7	704.9	714.6	633.9	614.3	614.3
82.5°	1270.2	744.0	443.0	457.7	430.7	416.0	499.3	553.1	763.6	849.2	851.7
85°	381.8	274.1	266.8	249.6	220.3	222.7	293.7	555.6	685.2	391.5	337.7
87.5°	105.3	68.6	70.9	56.3	46.5	61.2	100.3	421.0	230.0	97.9	83.2
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)