

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: P971315

Luminaire Tested: **NVN-SB6D-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P971315
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-SB6D-722-U-SL2
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51934.7 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

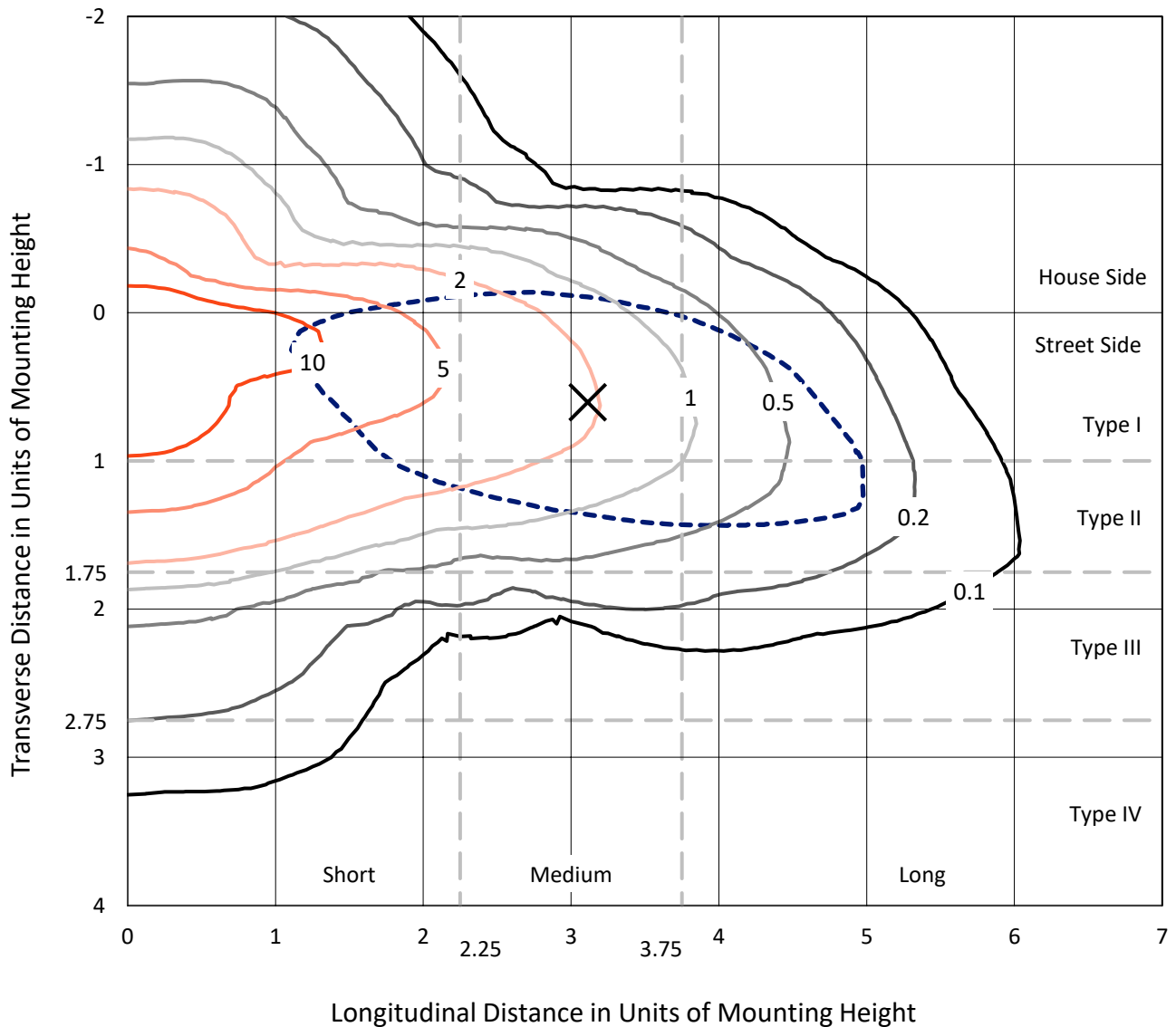
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

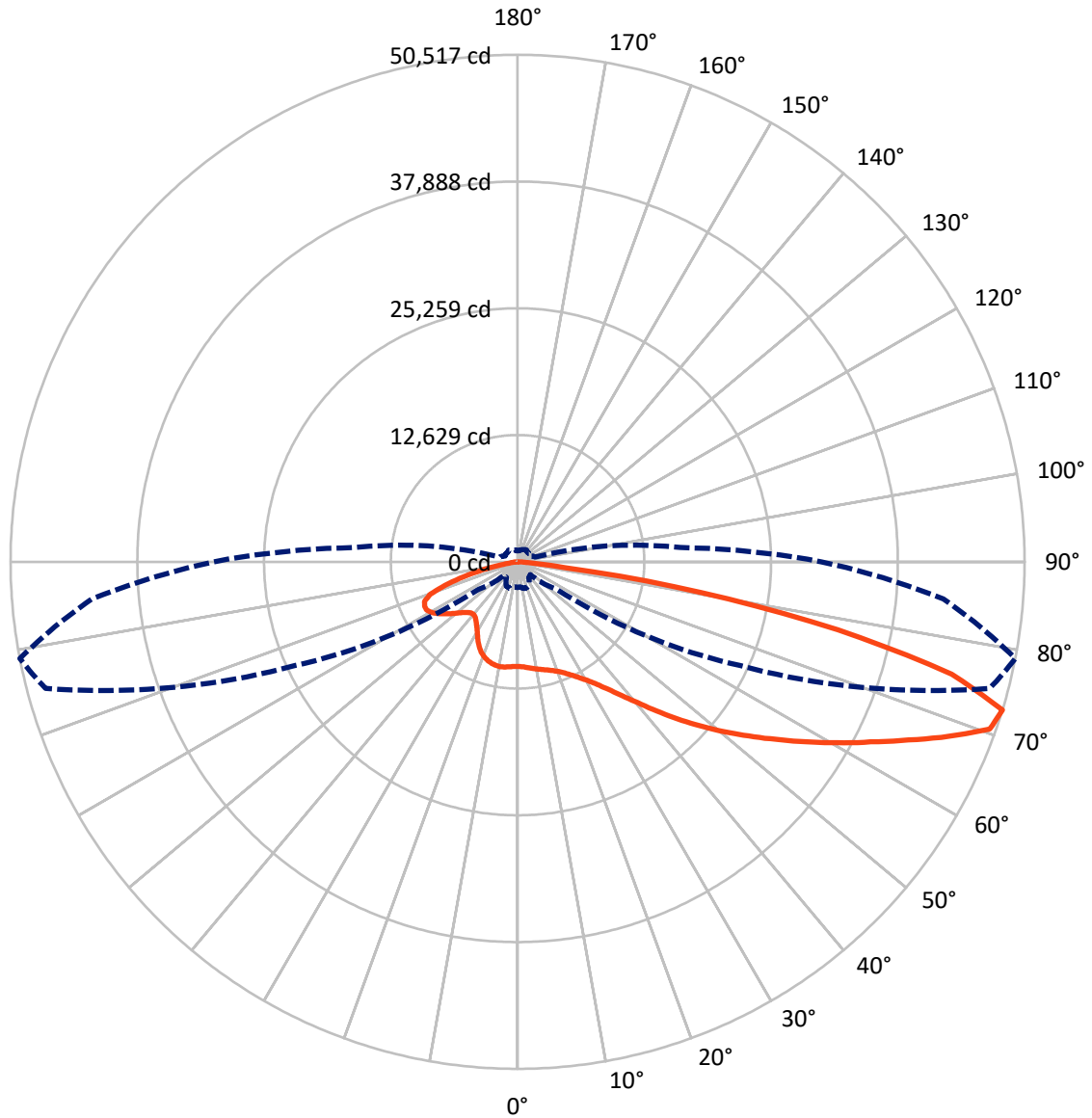
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.8 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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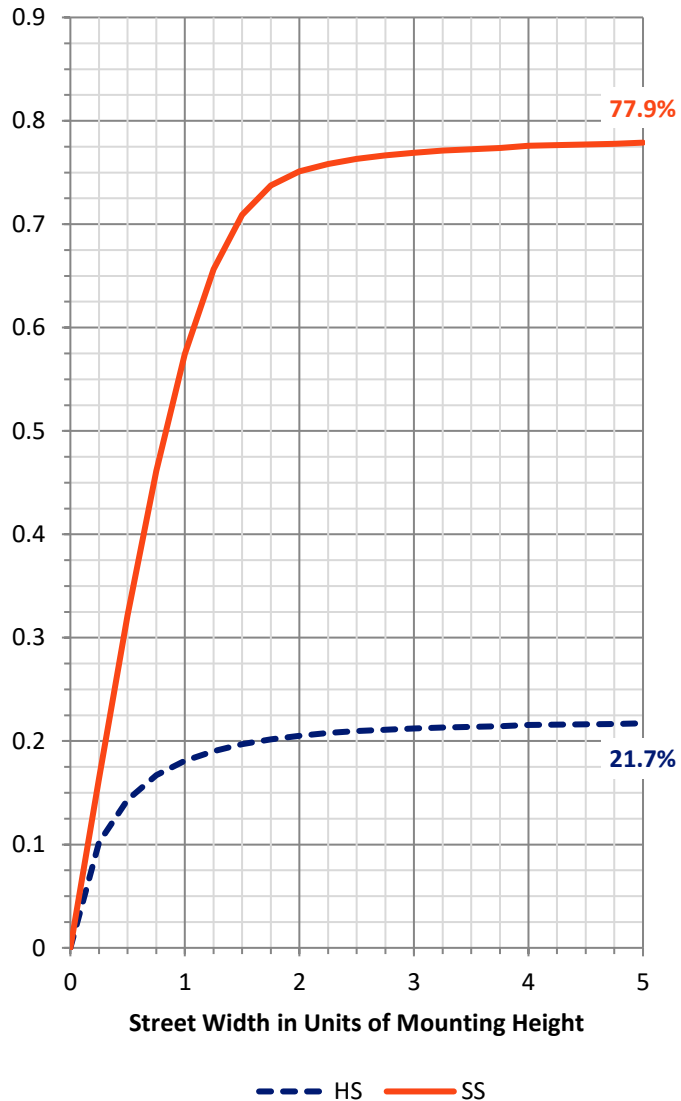
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11428.5	0.0	11428.5
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	40506.2	0.0	40506.2
	% Fixture	78.0	0.0	78.0
Total	Lumens	51934.7	0.0	51934.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	946.3	1.8
10°-20°	2474.2	4.8
20°-30°	3992.3	7.7
30°-40°	5991.9	11.5
40°-50°	8499.8	16.4
50°-60°	10734.1	20.7
60°-70°	10902.0	21.0
70°-80°	7430.2	14.3
80°-90°	964.0	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°	51934.7	100.0
0°-180°	51934.7	100.0

Coefficient of Utilization

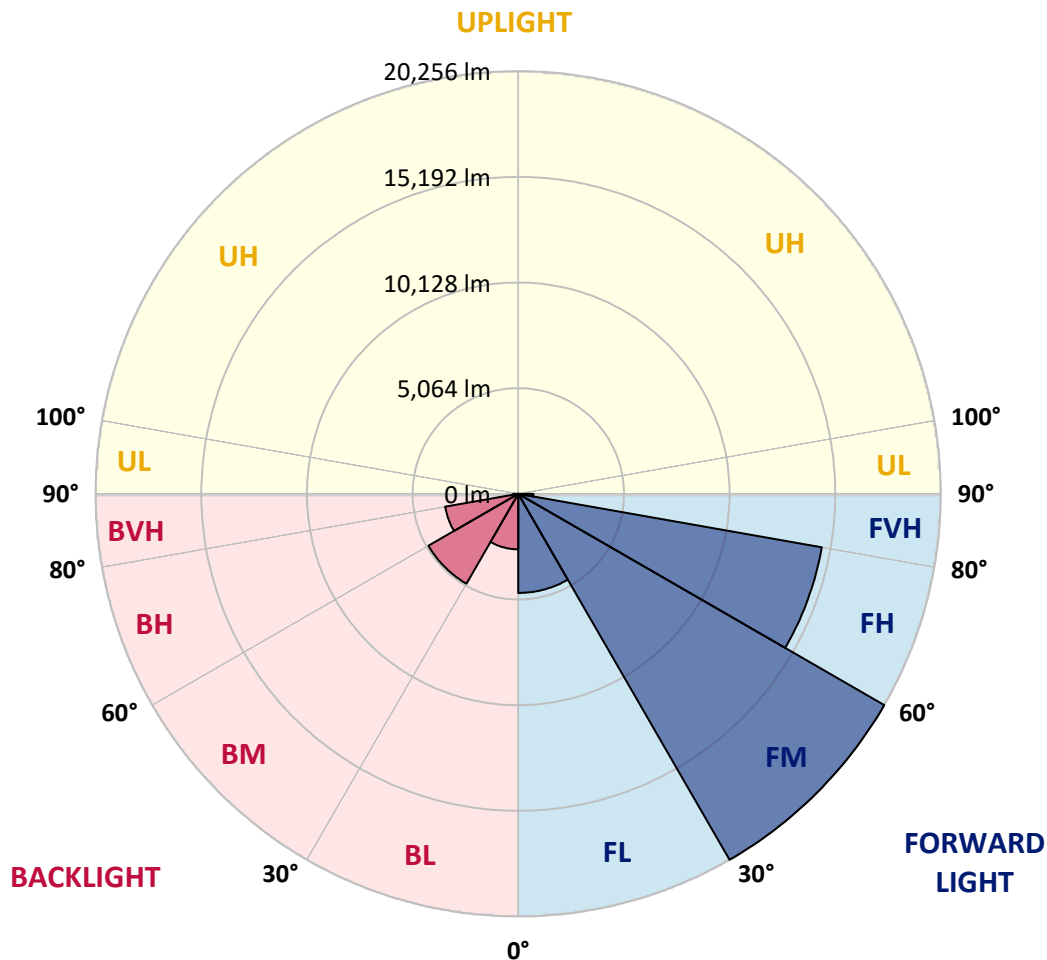


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4750.8	9.1			
FM (30°-60°)	20255.6	39.0			
FH (60°-80°)	14773.7	28.4			G5
FVH (80°-90°)	726.2	1.4			G4/750
BL (0°-30°)	2662.0	5.1	B4/5000		
BM (30°-60°)	4970.2	9.6	B3/5000		
BH (60°-80°)	3558.5	6.9	B4/5000		G4/5000
BVH (80°-90°)	237.8	0.5			G3/500
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°	10425.4	10425.4	10425.4	10425.4	10425.4	10425.4	10425.4	10425.4	10425.4	10425.4	10425.4
2.5°	10430.9	10381.4	10411.6	10400.7	10414.4	10430.9	10436.3	10444.6	10472.1	10469.3	10466.6
5°	10408.9	10359.5	10400.7	10386.9	10422.6	10461.2	10494.1	10524.3	10568.3	10587.4	10560.0
7.5°	10362.2	10329.2	10370.4	10411.6	10477.6	10535.3	10582.0	10650.7	10713.8	10724.9	10744.0
10°	10090.2	10065.5	10161.6	10268.9	10450.1	10606.7	10708.4	10788.0	10856.7	10867.7	10895.1
12.5°	9807.3	9777.1	9884.2	10029.8	10323.8	10606.7	10821.0	10925.4	10985.8	11021.5	11062.7
15°	9760.6	9735.9	9796.3	9922.7	10167.2	10532.5	10897.9	11090.2	11142.4	11183.6	11200.1
17.5°	9985.9	9939.1	9963.9	10007.8	10150.7	10463.8	10958.4	11277.0	11356.7	11400.7	11400.7
20°	10507.8	10441.9	10403.4	10315.5	10290.8	10474.9	10952.8	11502.2	11606.7	11661.6	11675.4
22.5°	11202.8	11158.9	11076.5	10853.9	10612.2	10609.5	11057.3	11790.7	11985.7	12038.0	12005.0
25°	12043.4	11977.5	11873.2	11570.9	11106.7	10876.0	11233.1	12158.9	12485.7	12499.5	12403.3
27.5°	13010.4	12911.5	12768.7	12370.4	11744.0	11293.4	11502.2	12581.9	13059.9	13054.4	12856.6
30°	14029.7	13930.8	13779.7	13296.2	12507.8	11856.7	11875.9	13037.9	13741.2	13711.0	13373.1
32.5°	14774.1	14699.9	14669.7	14296.1	13386.8	12521.5	12304.4	13543.4	14581.9	14554.4	14081.9
35°	15345.5	15249.3	15285.1	15095.6	14345.6	13266.0	12829.1	14145.0	15603.8	15601.0	15013.1
37.5°	15911.5	15826.3	15856.4	15730.2	15232.9	14210.9	13469.2	14881.3	16870.2	16930.6	16139.4
40°	16427.9	16337.3	16458.1	16340.0	15922.5	15216.4	14197.2	15713.7	18337.1	18452.6	17502.1
42.5°	16738.4	16666.9	16867.4	16870.2	16521.3	16065.2	14996.7	16631.1	20034.9	20293.2	19177.8
45°	16845.5	16820.8	17122.9	17186.1	17051.5	16557.0	15716.4	17631.1	21864.5	22326.0	21087.0
47.5°	16730.0	16683.4	17101.0	17334.5	17441.6	16787.8	16312.6	18713.5	23732.5	24408.3	23169.4
50°	16147.6	16057.0	16677.9	17169.7	17551.5	16938.8	16914.1	19963.5	25856.0	26595.1	25262.7
52.5°	15101.0	15032.3	15738.4	16592.7	17309.7	17013.1	17589.9	21328.8	27872.5	28828.5	27408.2
55°	13763.2	13672.5	14449.9	15565.3	16708.1	16988.4	18265.7	22856.2	30251.5	31221.3	29625.2
57.5°	11642.4	11461.0	12444.5	13763.2	15727.4	16958.1	18969.0	24375.4	32669.0	33831.0	31990.5
60°	8549.1	8279.8	9485.9	11049.0	13809.8	16664.1	19839.8	26078.6	35570.0	36616.6	34572.7
62.5°	4977.8	4821.2	5609.6	7068.4	10408.9	14933.4	20328.8	28059.3	38421.5	39520.3	37111.1
65°	3865.3	3821.3	3890.0	4002.6	5793.7	11180.9	18820.6	29990.6	42047.8	42816.9	39756.6
67.5°	3535.5	3502.6	3532.9	3321.3	2939.4	6227.8	14889.5	30479.5	45932.2	46399.2	42072.5
70°	3142.8	3104.3	3203.1	3021.9	2313.1	2832.3	9620.4	28704.8	49022.7	49899.0	43833.4
72.5°	2560.3	2516.4	2747.1	2664.7	1947.7	1818.7	4832.3	24488.0	48698.6	50517.1	42572.5
75°	1967.0	1942.3	2217.0	2285.6	1587.8	1431.3	2318.5	18202.6	42855.4	44687.7	36690.8
77.5°	1527.5	1508.2	1648.3	1898.3	1280.1	1109.9	1425.8	11546.2	32295.4	32616.8	25284.7
80°	1145.5	1090.6	1219.8	1469.7	997.2	810.4	967.0	6733.2	20414.0	18504.7	11005.0
82.5°	717.0	689.5	796.6	980.7	703.3	557.7	629.1	3719.6	8180.9	4818.5	2123.5
85°	409.3	398.3	434.1	560.4	381.8	321.4	359.9	1642.8	1494.4	1027.5	640.1
87.5°	164.8	159.3	197.8	250.0	140.1	118.1	126.4	395.5	329.6	304.9	211.6
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°	10425.4	10425.4	10425.4	10425.4	10425.4	10425.4	10425.4	10425.4	10425.4	10425.4	10425.4
2.5°	10455.6	10455.6	10417.2	10356.7	10288.0	10244.1	10172.6	10153.4	10079.2	10057.3	10093.0
5°	10582.0	10560.0	10441.9	10271.5	10038.0	9823.8	9587.5	9439.2	9230.4	9156.2	9211.2
7.5°	10741.3	10680.9	10477.6	10103.9	9615.0	9134.3	8634.3	8255.1	7892.5	7763.5	7779.9
10°	10886.9	10801.8	10455.6	9801.8	8955.6	8123.3	7326.6	6769.0	6345.9	6172.9	6211.3
12.5°	11032.5	10876.0	10310.1	9299.1	8018.9	6889.8	6040.9	5607.0	5345.9	5137.2	5205.9
15°	11169.8	10950.1	10084.8	8626.0	6991.4	5845.9	5219.6	4873.5	4664.7	4527.3	4552.0
17.5°	11329.2	11013.3	9746.8	7771.7	6013.5	5123.5	4612.4	4403.7	4362.5	4346.0	4357.0
20°	11551.7	11071.0	9301.8	6815.6	5293.7	4546.5	4282.8	4263.6	4260.8	4252.6	4280.1
22.5°	11790.7	11139.7	8713.9	5947.6	4681.2	4186.6	4140.0	4101.4	4076.7	4074.0	4104.2
25°	12073.7	11161.6	7977.7	5236.0	4159.1	4016.4	3961.4	3903.7	3887.2	3887.2	3903.7
27.5°	12348.4	11087.4	7120.6	4617.9	3865.3	3859.7	3788.3	3769.0	3766.4	3774.6	3796.5
30°	12623.1	10947.3	6269.0	4046.5	3694.9	3694.9	3670.2	3684.0	3694.9	3722.4	3741.6
32.5°	12993.9	10799.0	5557.4	3623.5	3546.6	3519.1	3543.8	3571.3	3582.3	3617.9	3648.2
35°	13537.9	10694.6	4991.5	3392.7	3392.7	3357.0	3370.7	3365.3	3340.5	3324.1	3362.5
37.5°	14257.6	10689.1	4524.6	3285.5	3263.6	3258.1	3260.8	3225.2	3129.0	3013.6	3016.4
40°	15123.1	10837.4	4164.7	3211.4	3194.9	3227.9	3211.4	3115.3	2851.5	2651.0	2645.5
42.5°	16285.1	11260.5	3934.0	3120.7	3170.2	3211.4	3145.5	2813.1	2634.6	2499.9	2494.4
45°	17653.2	11947.3	3815.8	3024.6	3123.5	3173.0	2854.3	2708.7	2565.8	2403.7	2392.8
47.5°	19202.6	12812.7	3788.3	2934.0	3019.1	3049.4	2730.7	2664.7	2502.6	2326.9	2313.1
50°	20889.3	13837.3	3862.5	2826.8	2868.1	2763.6	2689.5	2629.0	2461.4	2288.4	2269.1
52.5°	22633.6	14966.4	4010.8	2681.2	2717.0	2601.6	2673.0	2620.8	2436.7	2203.2	2186.7
55°	24348.0	16103.8	4153.7	2510.8	2563.1	2455.9	2626.3	2587.8	2324.1	2060.4	2046.6
57.5°	26089.6	17235.6	4293.8	2359.8	2414.7	2315.9	2552.0	2499.9	2197.7	1928.5	1923.0
60°	27900.0	18334.4	4359.7	2214.2	2252.6	2186.7	2439.5	2348.8	2054.8	1793.9	1785.7
62.5°	29594.9	19249.2	4252.6	2068.6	2093.4	2065.9	2291.1	2170.2	1912.0	1642.8	1640.0
65°	31295.4	19793.2	3922.9	1925.8	1931.2	1917.5	2082.3	1977.9	1744.4	1511.0	1494.4
67.5°	32836.6	20098.1	3398.2	1771.9	1758.2	1752.6	1887.3	1769.2	1582.4	1379.0	1362.5
70°	33163.5	19323.4	2596.0	1590.6	1590.6	1576.9	1673.0	1552.2	1403.7	1238.9	1233.5
72.5°	30290.0	16254.9	1843.4	1384.6	1406.5	1379.0	1458.8	1357.1	1222.5	1112.6	1079.6
75°	24424.8	11919.8	1340.6	1173.0	1211.4	1164.8	1238.9	1167.6	1052.2	1049.4	945.0
77.5°	16782.3	7370.6	972.5	967.0	994.5	934.0	1019.2	980.7	876.4	829.6	777.5
80°	7161.8	2939.4	708.8	747.2	747.2	692.3	791.2	802.2	711.6	689.5	689.5
82.5°	1425.8	835.2	497.2	513.7	483.5	467.0	560.4	620.8	857.1	953.2	956.0
85°	428.6	307.7	299.4	280.2	247.2	250.0	329.6	623.6	769.2	439.5	379.1
87.5°	118.1	76.9	79.6	63.1	52.2	68.7	112.6	472.5	258.2	109.9	93.4
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)