

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: P970271

Luminaire Tested: **NVN-SB6B-722-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P970271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB6B-722-U-T2-HSS
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21113 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

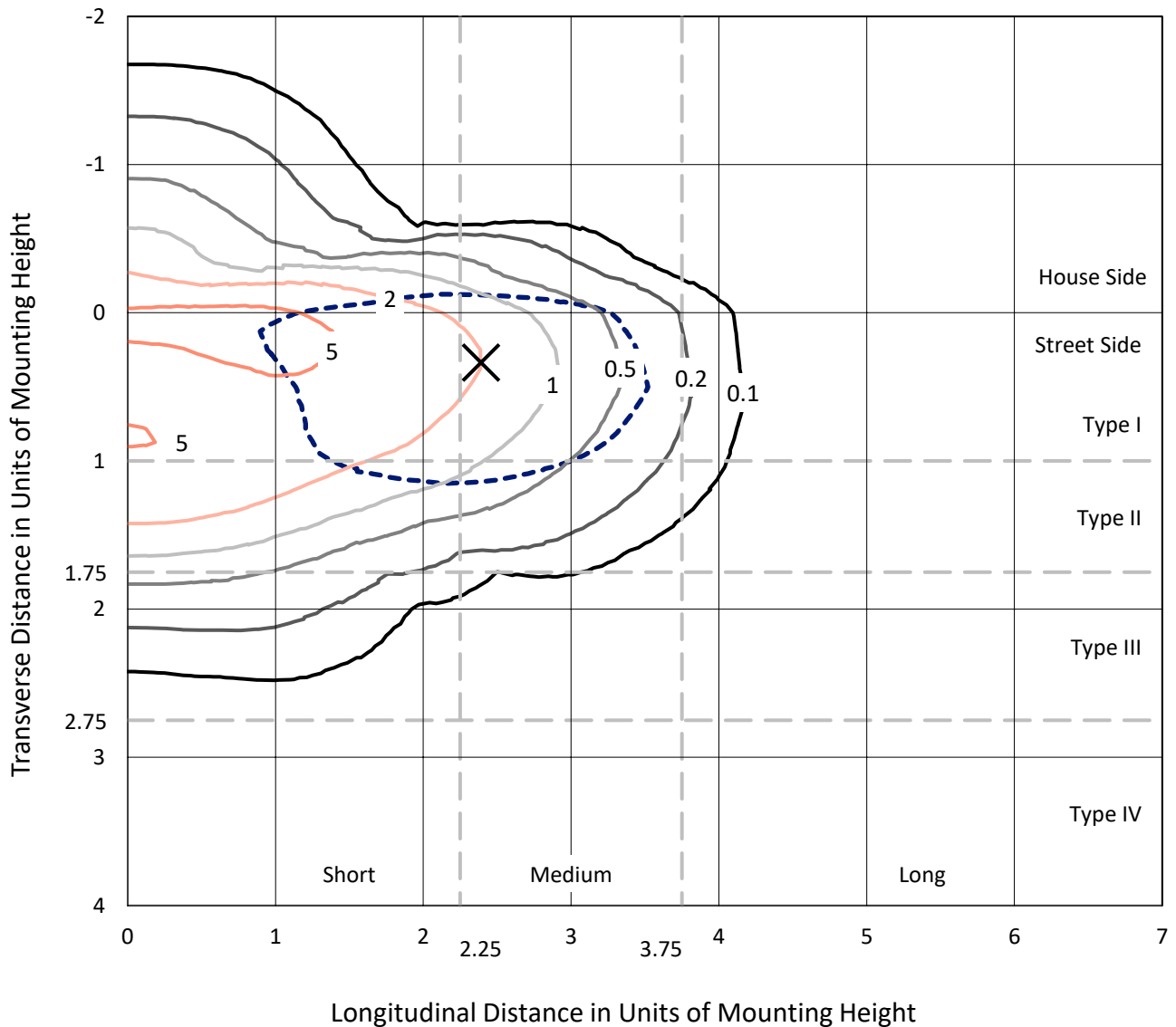
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

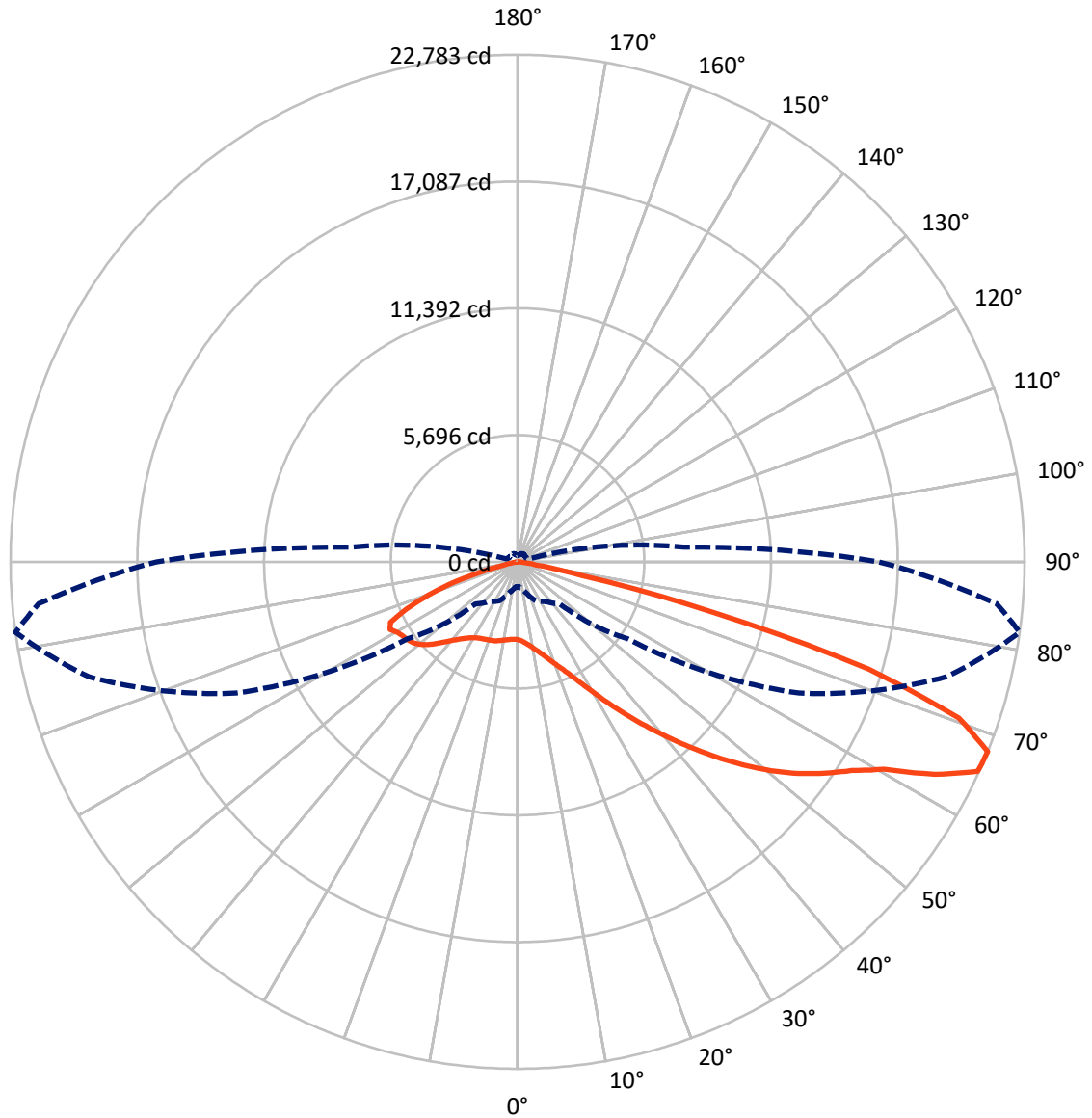
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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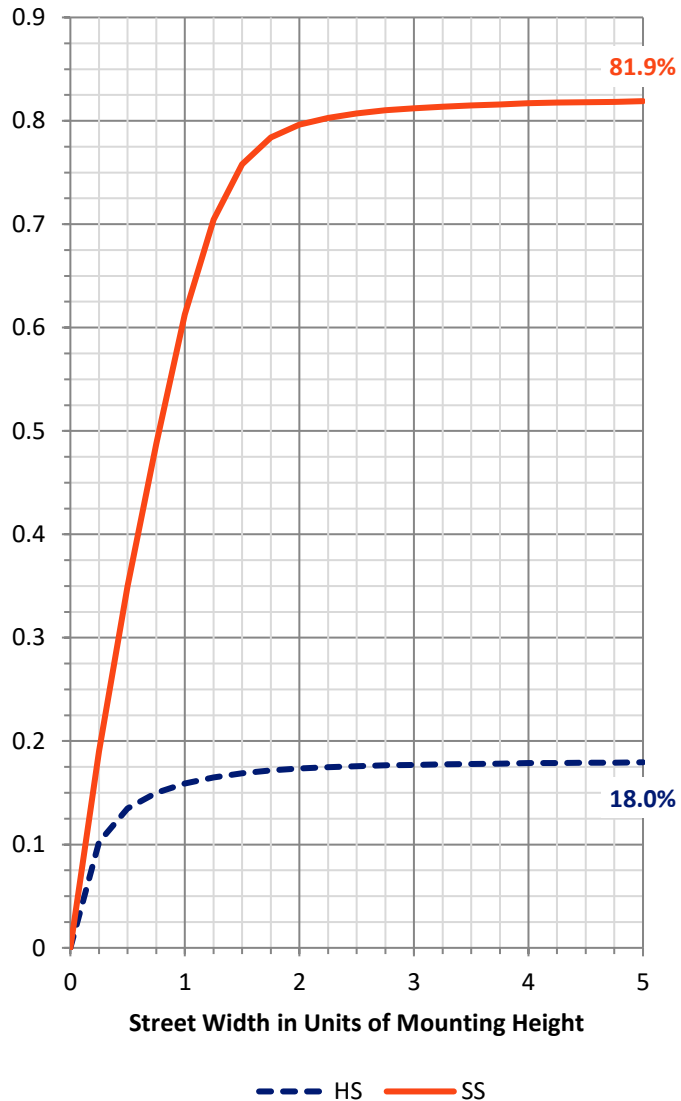
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3824.4	0.0	3824.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	17288.5	0.0	17288.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	21113.0	0.0	21113.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.6	1.5
10°-20°	809.8	3.8
20°-30°	1297.0	6.1
30°-40°	2293.5	10.9
40°-50°	4018.4	19.0
50°-60°	5359.4	25.4
60°-70°	4989.4	23.6
70°-80°	1914.9	9.1
80°-90°	118.9	0.6
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°	21113.0	100.0
0°-180°	21113.0	100.0

Coefficient of Utilization



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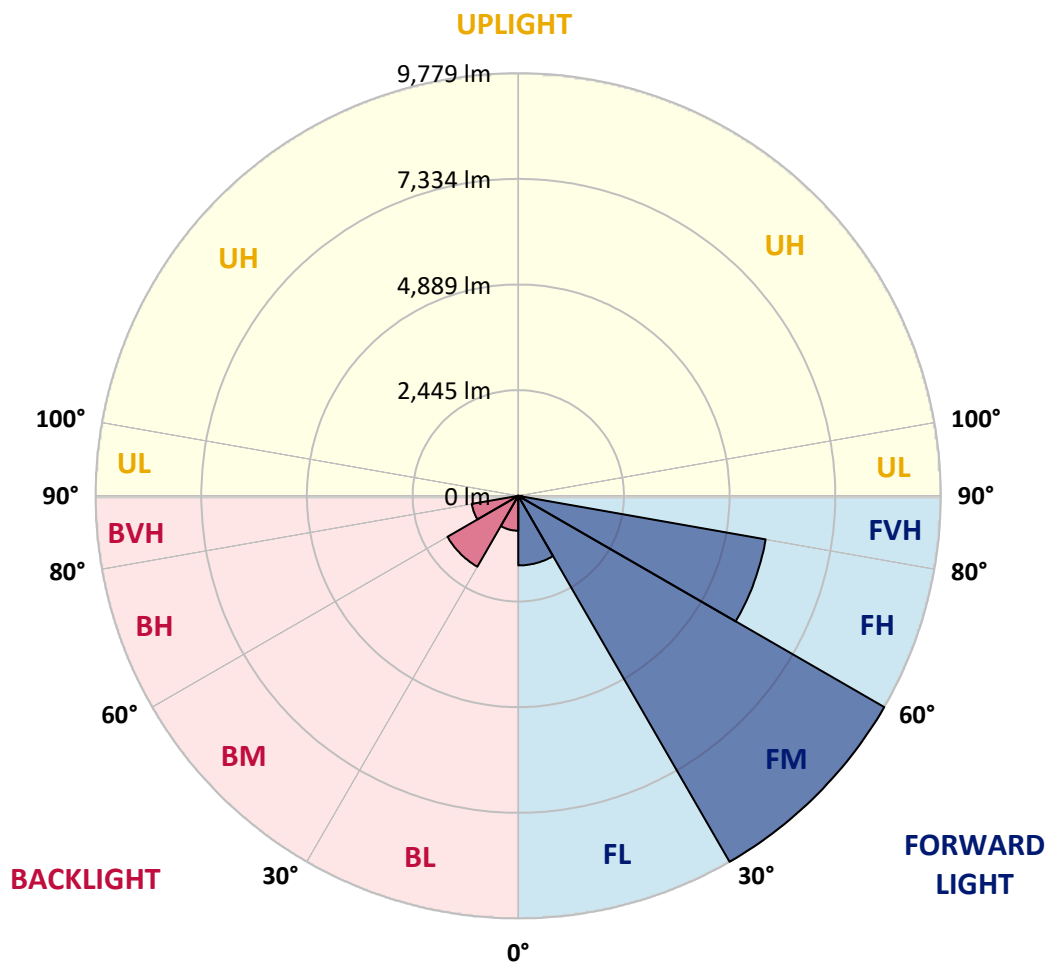
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1610.7	7.6			
FM (30°-60°)	9778.7	46.3			
FH (60°-80°)	5812.7	27.5			G3/7500
FVH (80°-90°)	86.5	0.4			G1/100
BL (0°-30°)	807.7	3.8	B2/1000		
BM (30°-60°)	1892.7	9.0	B2/2500		
BH (60°-80°)	1091.6	5.2	B3/2500		G3/2500
BVH (80°-90°)	32.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	3497.7	3497.7	3497.7	3497.7	3497.7	3497.7	3497.7	3497.7	3497.7	3497.7	3497.7
2.5°	3696.9	3718.1	3706.0	3699.8	3689.3	3674.0	3661.9	3623.9	3584.3	3558.5	3549.4
5°	3771.3	3792.6	3791.1	3797.1	3804.8	3809.3	3806.2	3763.7	3707.4	3663.4	3637.5
7.5°	3707.4	3731.8	3751.6	3781.9	3835.1	3891.4	3918.8	3909.7	3851.8	3791.1	3759.2
10°	3526.6	3552.4	3599.6	3671.0	3783.5	3905.0	4006.9	4054.1	4017.6	3950.7	3906.6
12.5°	3195.2	3221.1	3313.7	3468.8	3657.3	3868.6	4063.2	4189.4	4198.5	4131.6	4079.9
15°	2822.7	2848.6	2947.4	3142.0	3429.3	3768.3	4093.5	4332.3	4412.8	4355.0	4292.7
17.5°	2591.7	2614.6	2689.0	2845.6	3145.0	3567.6	4082.9	4484.3	4668.2	4622.5	4548.0
20°	2521.8	2541.6	2576.5	2686.0	2935.3	3359.3	4013.0	4627.2	4943.3	4917.4	4833.9
22.5°	2596.3	2614.6	2625.1	2673.8	2830.4	3222.6	3924.8	4773.0	5262.6	5265.5	5163.7
25°	2768.0	2786.3	2774.2	2804.5	2873.0	3180.0	3891.4	4944.8	5663.8	5697.3	5581.7
27.5°	3050.8	3052.3	3023.4	3021.9	3032.6	3243.8	3926.4	5128.8	6170.0	6232.3	6089.4
30°	3617.7	3595.0	3484.0	3363.9	3309.2	3435.4	4023.6	5346.1	6767.4	6878.4	6699.0
32.5°	4491.9	4458.3	4254.7	3967.4	3678.6	3743.9	4198.5	5593.9	7418.0	7618.6	7399.8
35°	5440.4	5431.3	5218.5	4791.3	4286.7	4183.2	4482.7	5919.2	8127.8	8447.1	8187.2
37.5°	6322.0	6317.5	6195.8	5692.6	5078.6	4795.9	4938.8	6344.9	8887.9	9350.0	9043.0
40°	7127.6	7141.4	7019.7	6569.7	5951.2	5581.7	5558.9	6870.8	9733.1	10333.5	9968.6
42.5°	7823.8	7839.1	7715.9	7383.0	6813.0	6451.2	6320.5	7515.3	10558.4	11389.9	10958.3
45°	8296.6	8390.9	8372.6	8106.6	7697.6	7322.2	7235.6	8323.9	11499.4	12510.2	12004.1
47.5°	8430.3	8517.0	8653.8	8690.3	8441.0	8071.6	8175.0	9298.3	12451.0	13632.1	13055.9
50°	8100.5	8181.0	8465.3	8843.8	9017.1	8903.2	9088.6	10342.7	13425.3	14750.9	14088.1
52.5°	7449.9	7532.0	7890.8	8489.7	9196.5	9555.3	10005.1	11371.8	14369.3	15810.3	15065.4
55°	6509.0	6595.7	7056.2	7734.1	8854.5	9824.3	10769.8	12399.3	15234.3	16763.5	15947.2
57.5°	5229.0	5292.9	5771.8	6720.3	7994.1	9556.7	11333.7	13521.1	16049.0	17699.8	16821.2
60°	3408.0	3464.3	4020.6	5078.6	6568.3	8662.9	11446.2	14772.1	17131.3	18917.4	17999.2
62.5°	2266.5	2304.4	2634.2	3411.1	4625.6	6946.7	10788.0	15770.9	18718.2	21036.4	20019.5
65°	1555.0	1593.1	1922.9	2464.0	2988.5	4595.2	8895.5	15638.5	20156.2	22719.1	21516.7
67.5°	1109.7	1141.5	1421.3	1932.0	2163.1	2669.3	6030.2	13948.2	19949.5	22783.0	21597.3
70°	795.0	813.2	1044.3	1504.9	1719.2	1603.7	3353.3	10667.9	17467.2	21037.9	19952.5
72.5°	556.4	562.4	725.1	1146.2	1384.8	1170.4	1596.1	7112.5	13211.0	16512.6	15468.3
75°	377.0	384.6	487.9	840.6	1111.2	893.8	845.2	3813.9	7755.5	9140.2	8193.2
77.5°	231.0	234.1	314.7	574.6	831.5	681.0	544.2	1615.8	3000.6	2946.0	2511.1
80°	130.7	130.7	200.7	357.2	567.0	439.3	381.5	687.1	950.1	834.6	735.7
82.5°	73.0	74.5	146.0	221.9	375.5	259.9	209.8	317.6	410.4	363.3	316.2
85°	30.4	33.4	89.7	104.9	179.4	129.3	85.1	133.8	152.0	135.3	98.8
87.5°	3.1	4.5	27.4	19.8	21.3	25.8	12.2	25.8	21.3	21.3	15.2
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°	3497.7	3497.7	3497.7	3497.7	3497.7	3497.7	3497.7	3497.7	3497.7	3497.7	3497.7
2.5°	3520.5	3497.7	3439.9	3373.1	3284.9	3242.3	3184.6	3145.0	3111.6	3114.7	3084.2
5°	3588.9	3531.1	3402.0	3240.8	3040.1	2897.3	2745.3	2640.4	2555.2	2537.0	2496.0
7.5°	3683.1	3591.9	3365.5	3075.1	2736.1	2479.3	2249.7	2102.3	1997.4	1963.9	1930.5
10°	3804.8	3672.5	3318.3	2866.8	2378.9	2052.2	1805.8	1690.3	1618.9	1594.6	1576.3
12.5°	3946.1	3765.2	3256.0	2613.0	2011.0	1696.4	1539.9	1482.0	1459.3	1451.7	1447.1
15°	4124.0	3880.8	3161.7	2312.0	1699.4	1479.1	1412.1	1404.6	1407.6	1404.6	1403.0
17.5°	4335.2	4006.9	3008.3	2001.9	1489.6	1368.1	1343.8	1349.8	1357.4	1355.9	1352.9
20°	4566.3	4131.6	2812.2	1726.8	1346.7	1289.0	1275.3	1281.5	1287.5	1284.4	1283.0
22.5°	4829.3	4265.3	2594.8	1512.5	1251.0	1216.1	1200.9	1202.4	1202.4	1196.3	1193.3
25°	5144.0	4412.8	2366.7	1360.5	1178.0	1150.7	1132.4	1126.4	1117.2	1099.0	1095.9
27.5°	5519.4	4569.3	2147.9	1254.1	1120.3	1094.5	1073.2	1058.0	1035.1	1004.8	1001.7
30°	5942.0	4759.4	1962.5	1187.2	1074.7	1048.9	1024.5	1001.7	968.3	930.3	927.2
32.5°	6439.0	4963.0	1827.2	1143.1	1033.6	1006.2	977.4	950.1	913.6	875.6	877.1
35°	7031.9	5209.4	1748.1	1112.7	1001.7	965.2	933.4	902.9	875.6	842.1	839.1
37.5°	7674.9	5470.7	1723.7	1097.5	980.4	924.2	887.8	866.4	863.4	843.7	842.1
40°	8378.7	5780.9	1742.0	1088.3	957.7	884.7	845.2	840.6	848.2	813.2	814.8
42.5°	9123.5	6148.8	1772.4	1077.7	925.7	845.2	807.2	807.2	801.0	752.5	752.5
45°	9929.2	6572.8	1802.8	1051.9	887.8	805.6	776.7	766.1	740.3	693.1	691.7
47.5°	10740.9	7004.5	1825.6	1004.8	842.1	772.2	746.4	722.0	684.1	641.4	639.9
50°	11511.6	7392.1	1801.3	934.8	790.5	740.3	712.9	679.5	638.5	609.6	605.0
52.5°	12200.2	7728.1	1697.9	852.8	735.7	706.8	682.5	647.6	614.1	583.7	580.7
55°	12799.1	8000.1	1515.6	775.2	687.1	677.9	653.6	609.6	564.0	538.1	535.0
57.5°	13373.7	8206.9	1287.5	711.3	643.0	646.1	609.6	570.0	527.5	500.1	497.0
60°	14138.2	8483.5	1056.5	652.1	595.8	605.0	565.5	536.6	483.4	448.4	443.8
62.5°	15360.4	8913.7	839.1	579.1	541.1	544.2	527.5	492.5	428.7	387.7	384.6
65°	16330.2	8755.7	661.2	500.1	478.8	483.4	483.4	445.4	377.0	329.8	325.3
67.5°	16220.7	7497.1	527.5	422.6	419.5	422.6	433.3	401.3	334.5	296.4	290.4
70°	14942.3	5963.2	422.6	351.2	364.8	357.2	387.7	366.3	300.9	263.0	258.4
72.5°	12192.6	4295.8	322.3	290.4	279.7	291.8	349.6	329.8	250.8	208.3	203.7
75°	7124.6	2292.3	240.2	229.5	202.1	243.2	310.1	281.3	191.6	153.5	148.9
77.5°	2319.7	799.6	176.3	168.7	150.5	196.1	264.4	237.1	156.5	121.6	117.1
80°	621.7	241.7	120.1	111.0	97.3	146.0	209.8	188.5	112.4	79.0	77.5
82.5°	249.3	101.9	69.9	62.3	53.2	100.3	165.6	152.0	83.6	50.1	50.1
85°	80.6	33.4	25.8	19.8	24.3	62.3	98.8	103.3	59.2	25.8	19.8
87.5°	10.7	4.5	4.5	6.0	4.5	10.7	30.4	28.9	16.7	3.1	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)