

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: P319632

Luminaire Tested: **GAN-SA8A-730-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319632
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8A-730-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34014 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

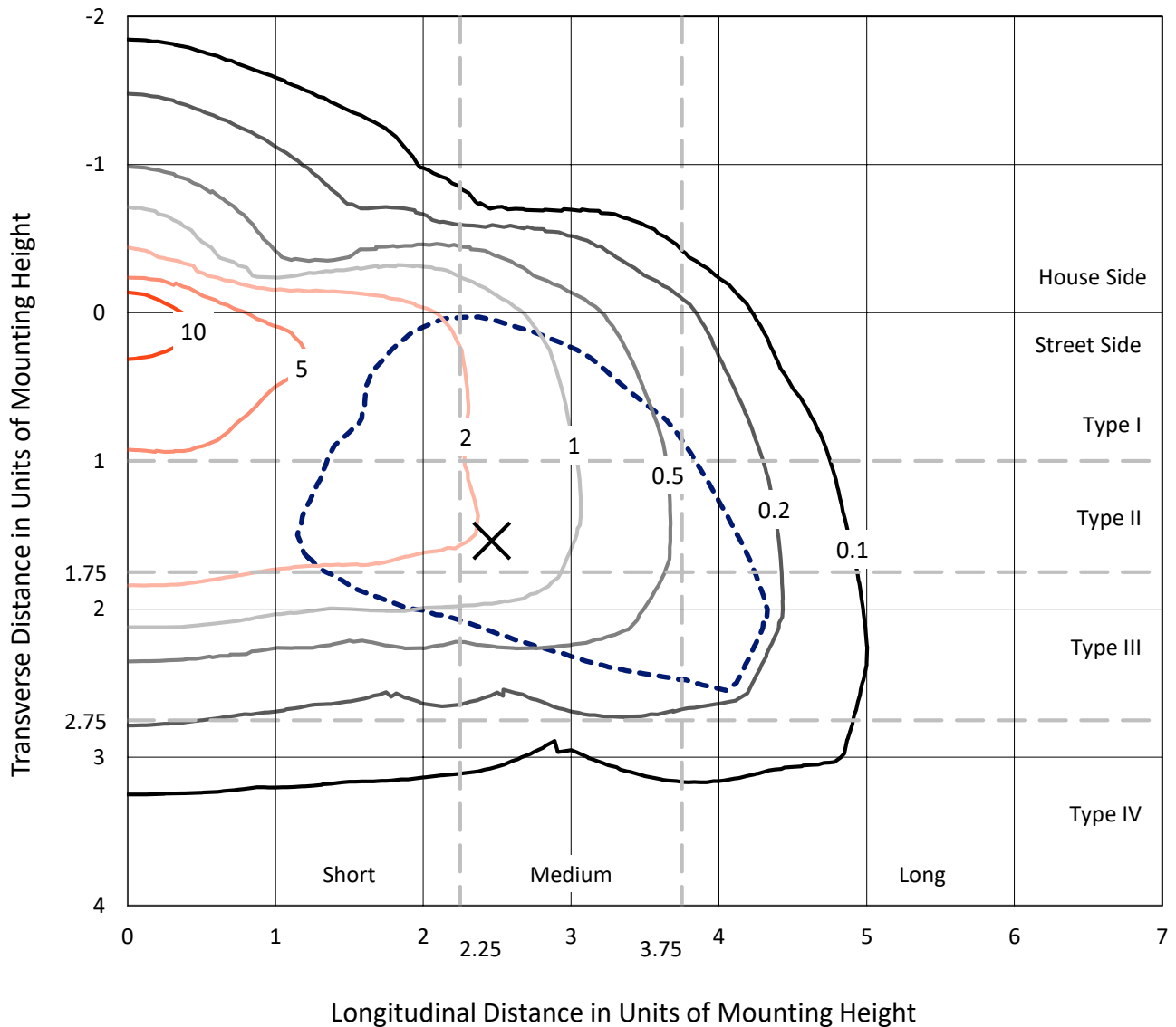
Input Watts (W): 257
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

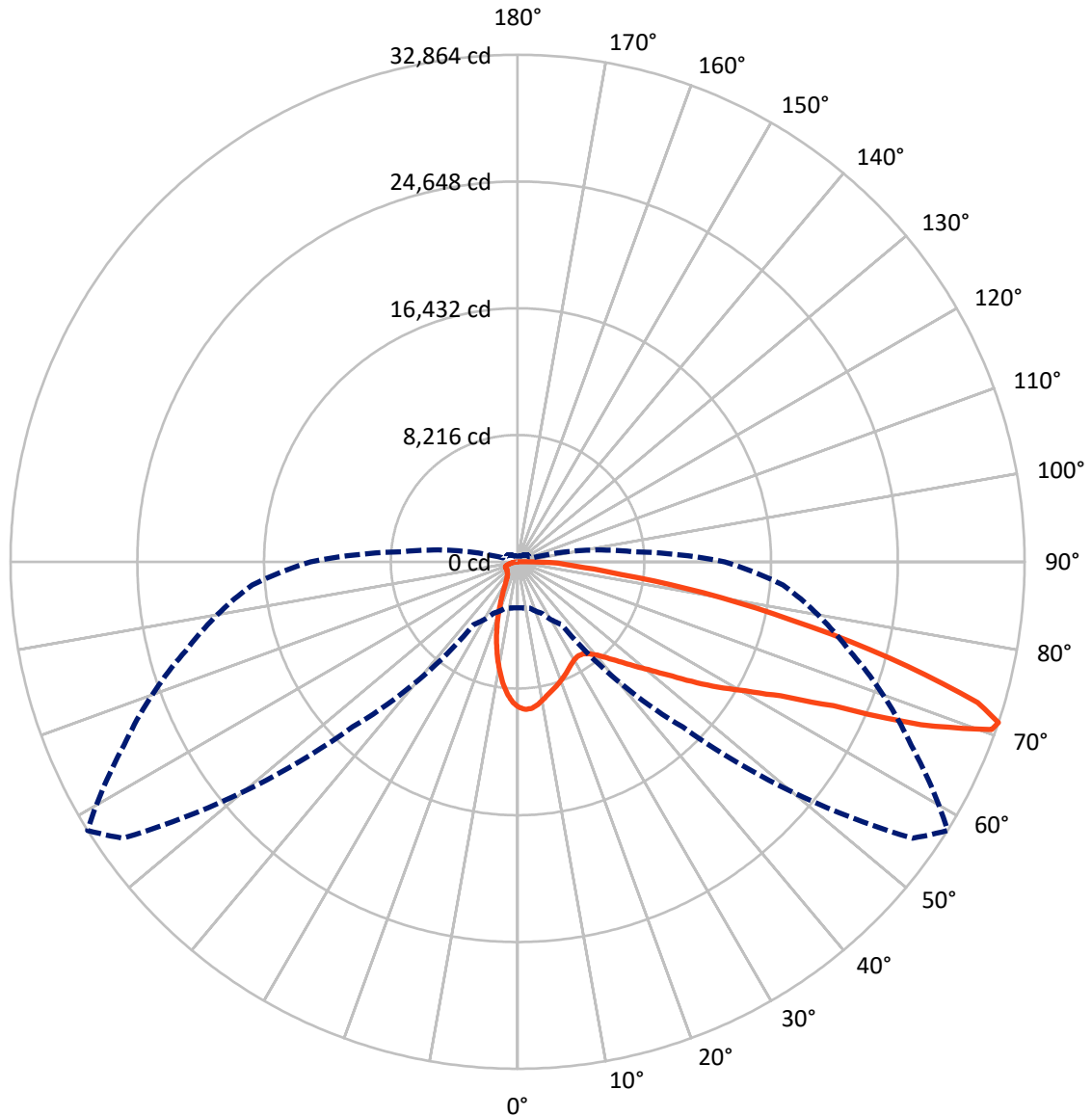
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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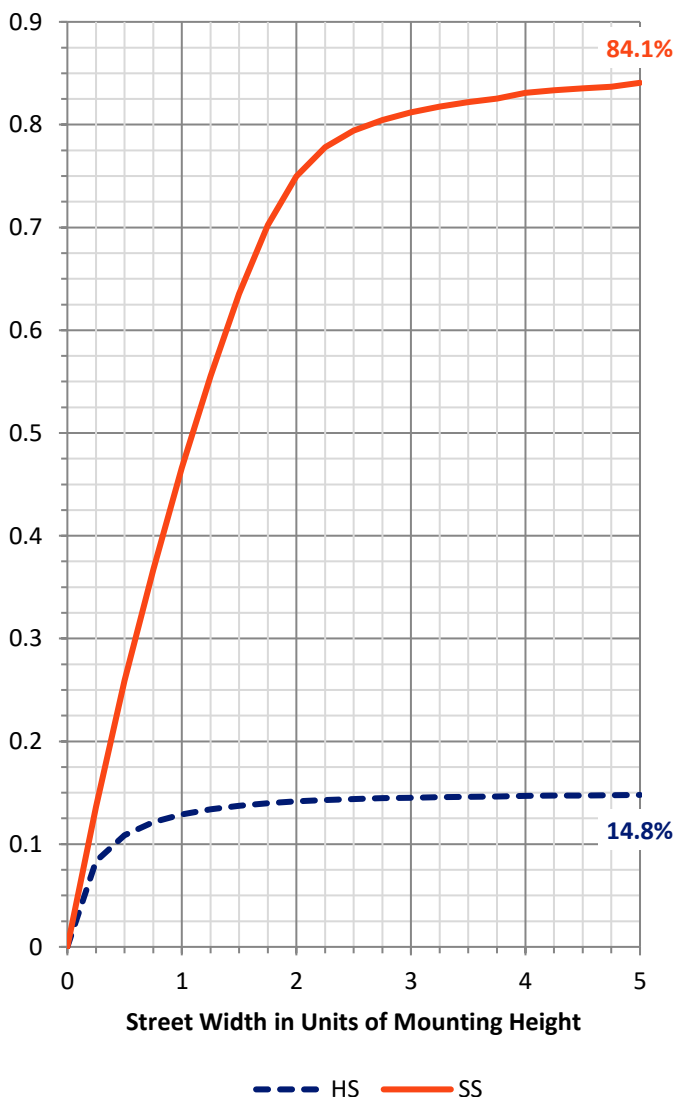
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5085.3	0.0	5085.3
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	28928.7	0.0	28928.7
	% Fixture	85.0	0.0	85.0
Total	Lumens	34014.0	0.0	34014.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	813.0	2.4
10°-20°	1807.8	5.3
20°-30°	2297.6	6.8
30°-40°	2926.7	8.6
40°-50°	4150.2	12.2
50°-60°	6422.5	18.9
60°-70°	8743.5	25.7
70°-80°	5832.9	17.1
80°-90°	1019.8	3.0
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°	34014.0	100.0
0°-180°	34014.0	100.0

Coefficient of Utilization

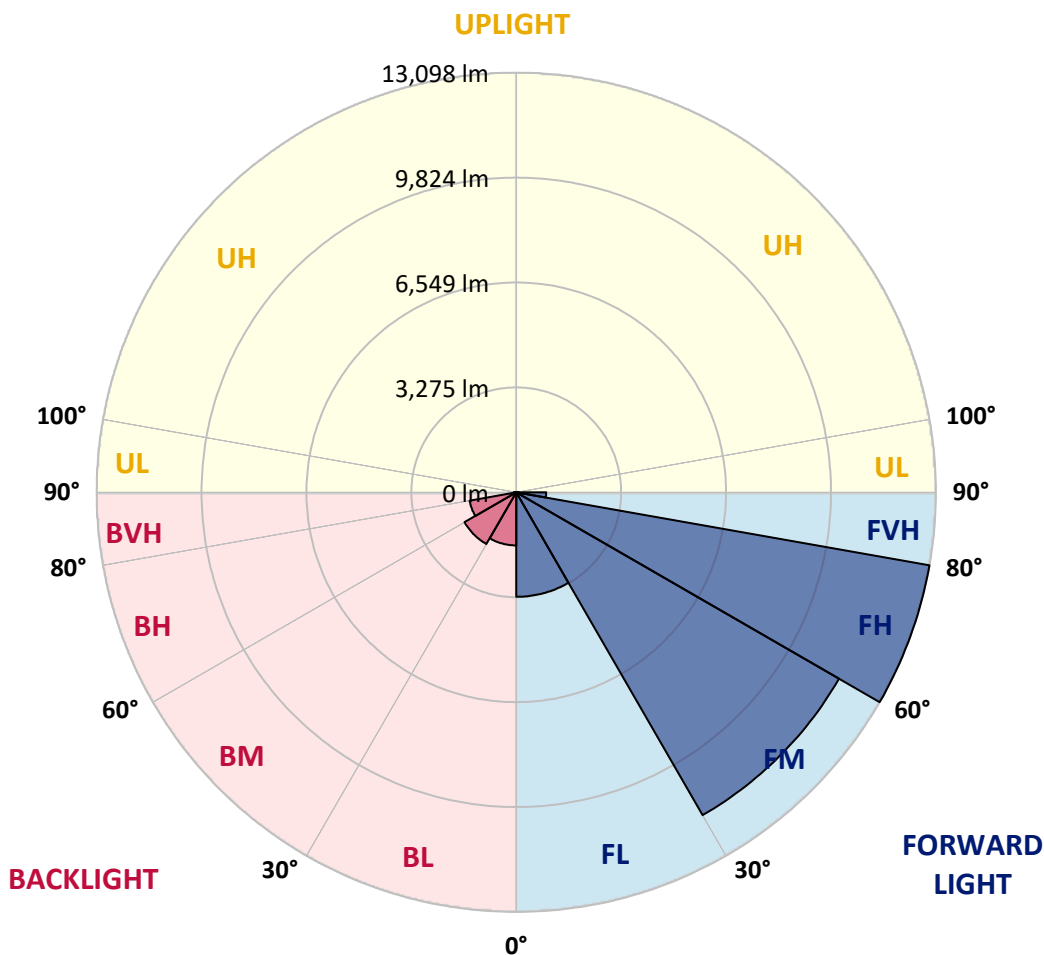


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3260.8	9.6			
FM (30°-60°)	11634.4	34.2			
FH (60°-80°)	13098.4	38.5			G5
FVH (80°-90°)	935.1	2.7			G5
BL (0°-30°)	1657.7	4.9	B3/2500		
BM (30°-60°)	1864.9	5.5	B2/2500		
BH (60°-80°)	1478.0	4.3	B3/2500		G3/2500
BVH (80°-90°)	84.7	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-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	9424.2	9424.2	9424.2	9424.2	9424.2	9424.2	9424.2	9424.2	9424.2	9424.2	9424.2
2.5°	9674.2	9661.1	9665.9	9656.4	9633.9	9611.4	9578.2	9584.1	9537.9	9469.2	9383.9
5°	9491.7	9486.9	9522.5	9542.6	9559.2	9546.2	9536.7	9548.6	9481.0	9386.2	9238.1
7.5°	9109.0	9056.9	9101.9	9169.4	9233.4	9282.0	9346.0	9354.2	9311.6	9212.1	9017.8
10°	8565.1	8515.4	8581.7	8687.2	8815.1	8931.3	9060.4	9084.1	9092.4	9002.4	8766.6
12.5°	8001.2	7963.3	8029.6	8177.7	8389.8	8568.7	8774.9	8810.4	8883.9	8823.4	8534.3
15°	7496.4	7482.2	7562.8	7708.5	7952.6	8226.3	8523.7	8588.8	8713.3	8693.1	8353.1
17.5°	7060.4	7056.9	7118.5	7271.3	7541.5	7887.4	8273.7	8383.9	8568.7	8592.4	8203.8
20°	6735.8	6728.7	6771.3	6883.9	7162.3	7554.5	8003.5	8155.2	8421.8	8504.7	8049.7
22.5°	6561.6	6560.4	6561.6	6614.9	6842.4	7207.3	7740.5	7925.3	8278.4	8434.8	7879.1
25°	6532.0	6528.4	6502.4	6496.4	6625.6	6917.0	7479.8	7683.6	8142.2	8386.2	7716.8
27.5°	6609.0	6613.7	6579.4	6523.7	6549.7	6726.3	7253.5	7471.5	8033.2	8376.8	7604.3
30°	6768.9	6766.6	6737.0	6678.9	6627.9	6655.2	7092.4	7310.4	7959.7	8418.2	7527.2
32.5°	6945.5	6958.5	6952.6	6920.6	6844.8	6735.8	7043.8	7257.1	7938.4	8517.8	7494.1
35°	7157.6	7171.8	7214.4	7239.3	7150.5	6975.1	7148.1	7332.9	8000.0	8705.0	7547.4
37.5°	7359.0	7395.7	7515.4	7620.8	7545.0	7349.5	7425.3	7556.9	8190.7	9000.0	7690.7
40°	7591.2	7623.2	7818.7	8042.6	8030.8	7828.2	7872.0	7959.7	8527.2	9423.0	7950.2
42.5°	7819.9	7883.9	8167.0	8484.6	8575.8	8396.9	8466.8	8513.0	9001.2	9983.4	8402.8
45°	8124.4	8193.1	8586.5	8969.2	9182.4	9081.7	9193.1	9210.9	9597.1	10746.4	9060.4
47.5°	8585.3	8663.5	9122.0	9523.7	9849.5	9860.2	10043.8	10036.7	10341.2	11619.6	9888.6
50°	9303.3	9415.9	9791.4	10167.0	10562.8	10783.2	11028.4	10994.1	11233.4	12549.7	10842.4
52.5°	10244.1	10296.2	10574.6	10851.9	11343.6	11837.7	12189.5	12158.7	12245.2	13505.9	11925.3
55°	11219.2	11258.3	11373.2	11524.9	12186.0	12991.7	13735.8	13687.2	13468.0	14498.8	12995.2
57.5°	12095.9	12175.3	12254.7	12317.5	13034.3	14197.8	15317.5	15321.1	14795.0	15569.9	14100.7
60°	12232.2	12302.1	12827.0	13322.2	14485.8	15806.8	17010.6	16975.1	16168.2	16732.2	15332.9
62.5°	10812.8	10970.4	11847.1	13164.7	15883.9	18750.0	19170.6	19126.7	17810.4	18164.7	16767.7
65°	7748.8	7927.7	8985.8	10965.6	15206.1	21992.8	23068.7	22478.6	20049.7	19926.5	18447.8
67.5°	4470.4	4513.0	4971.6	6561.6	11578.2	22162.3	29015.3	28189.5	23527.2	21925.3	19270.1
70°	3305.7	3304.5	3413.5	4037.9	6265.4	18087.6	31843.5	32584.1	27188.3	22582.9	18107.8
71°	2989.3	2992.9	3114.9	3675.3	4962.1	15139.8	31242.8	32863.7	28152.8	22258.2	17266.6
72.5°	2556.9	2568.7	2738.1	3296.2	4174.2	10440.7	28655.2	31186.0	28610.1	21457.3	15950.2
75°	1939.6	1966.8	2201.4	2778.4	3815.2	5295.0	21030.8	24902.8	25415.8	18933.6	11851.9
77.5°	1383.9	1414.7	1680.1	2336.5	3626.8	3990.5	14084.1	18164.7	18703.8	12133.9	5346.0
80°	874.4	911.1	1111.4	1859.0	3407.6	3789.1	8850.7	12209.7	10199.0	3882.7	1360.2
82.5°	513.0	541.5	689.6	1214.5	2783.2	3649.3	5207.3	6767.8	3969.2	1173.0	618.5
85°	297.4	310.4	430.1	773.7	2021.3	3444.3	3825.8	3783.2	1722.7	573.5	292.7
87.5°	138.6	154.0	254.7	404.0	1122.0	2496.4	3023.7	2612.6	1071.1	269.0	137.4
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°	9424.2	9424.2	9424.2	9424.2	9424.2	9424.2	9424.2	9424.2	9424.2	9424.2	9424.2
2.5°	9342.4	9322.3	9238.1	9163.5	9085.3	8983.4	8870.8	8856.6	8787.9	8800.9	8777.2
5°	9157.6	9106.6	8904.0	8720.4	8503.5	8309.2	8098.3	8001.2	7861.4	7851.9	7816.3
7.5°	8893.3	8798.6	8484.6	8136.2	7787.9	7456.1	7127.9	6912.3	6691.9	6598.3	6590.0
10°	8596.0	8434.8	7972.7	7457.3	6955.0	6470.4	6001.2	5654.0	5341.2	5193.1	5187.2
12.5°	8314.0	8075.8	7441.9	6740.5	6053.3	5425.3	4782.0	4325.8	3933.6	3802.1	3746.4
15°	8074.6	7739.3	6925.3	6028.4	5194.3	4322.3	3590.0	3110.2	2747.6	2622.0	2598.3
17.5°	7842.4	7411.1	6395.7	5309.2	4300.9	3342.4	2609.0	2252.4	2059.2	2008.3	2007.1
20°	7611.4	7073.4	5842.4	4573.5	3437.2	2500.0	2005.9	1846.0	1780.8	1774.9	1765.4
22.5°	7349.5	6715.6	5260.7	3835.3	2682.5	1965.6	1705.0	1641.0	1632.7	1654.0	1654.0
25°	7104.3	6360.2	4670.6	3112.6	2086.5	1639.8	1522.5	1509.5	1532.0	1569.9	1573.5
27.5°	6875.6	6017.8	4094.8	2470.4	1671.8	1444.3	1395.7	1411.1	1451.4	1495.3	1496.4
30°	6687.2	5694.3	3535.5	1946.7	1412.3	1298.6	1290.3	1321.1	1364.9	1399.3	1407.6
32.5°	6541.5	5418.2	2995.3	1565.2	1242.9	1189.6	1196.7	1222.7	1250.0	1269.0	1282.0
35°	6473.9	5181.3	2496.4	1319.9	1135.1	1105.4	1114.9	1129.1	1141.0	1155.2	1165.9
37.5°	6485.8	4997.6	2050.9	1167.1	1062.8	1047.4	1047.4	1047.4	1047.4	1054.5	1055.7
40°	6596.0	4892.2	1688.4	1069.9	1014.2	997.6	984.6	972.7	963.3	968.0	965.6
42.5°	6877.9	4882.7	1423.0	1008.3	975.1	947.9	921.8	905.2	893.4	898.1	900.5
45°	7356.6	5001.2	1244.1	964.5	938.4	896.9	863.7	846.0	837.7	853.1	855.4
47.5°	7976.3	5259.5	1135.1	932.5	904.0	849.5	814.0	797.4	799.8	822.3	828.2
50°	8774.9	5678.9	1082.9	912.3	880.3	809.2	772.5	758.3	765.4	797.4	804.5
52.5°	9651.6	6283.2	1088.9	906.4	864.9	779.6	740.5	723.9	735.8	765.4	771.3
55°	10663.5	7009.5	1187.2	914.7	842.4	760.7	714.5	686.0	695.5	722.7	727.5
57.5°	11787.9	7841.2	1385.1	912.3	814.0	742.9	687.2	644.5	651.7	668.2	673.0
60°	12958.5	8846.0	1691.9	919.4	800.9	721.6	650.5	597.2	594.8	609.0	611.4
62.5°	14363.7	10008.3	2042.6	924.2	809.2	694.3	601.9	549.8	542.7	546.2	548.6
65°	15811.6	10849.5	1911.1	905.2	835.3	671.8	559.2	503.6	490.5	488.2	489.3
67.5°	15856.6	9947.8	1340.0	867.3	846.0	660.0	527.3	464.5	443.1	434.8	433.6
70°	14220.4	8081.7	1043.8	827.0	803.3	641.0	497.6	432.5	400.5	387.4	386.3
71°	13421.8	7439.6	989.3	806.9	771.3	622.0	484.6	418.2	385.1	370.9	368.5
72.5°	12169.4	6669.4	923.0	774.9	709.7	573.5	459.7	398.1	363.7	347.2	343.6
75°	8733.4	4361.4	792.7	690.8	587.7	457.3	402.8	357.8	328.2	308.1	305.7
77.5°	3364.9	1735.8	599.5	574.6	450.2	357.8	331.8	309.2	287.9	267.8	266.6
80°	1040.3	776.1	437.2	432.5	325.8	266.6	258.3	252.4	244.1	222.7	218.0
82.5°	555.7	445.5	300.9	279.6	213.3	177.7	187.2	189.6	190.8	168.2	165.9
85°	265.4	235.8	169.4	158.8	124.4	99.5	114.9	124.4	125.6	103.1	96.0
87.5°	126.8	123.2	79.4	60.4	46.2	33.2	40.3	49.8	54.5	39.1	34.4
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)