

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: P318034

Luminaire Tested: **GAN-SA0A-730-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318034
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0A-730-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41222 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

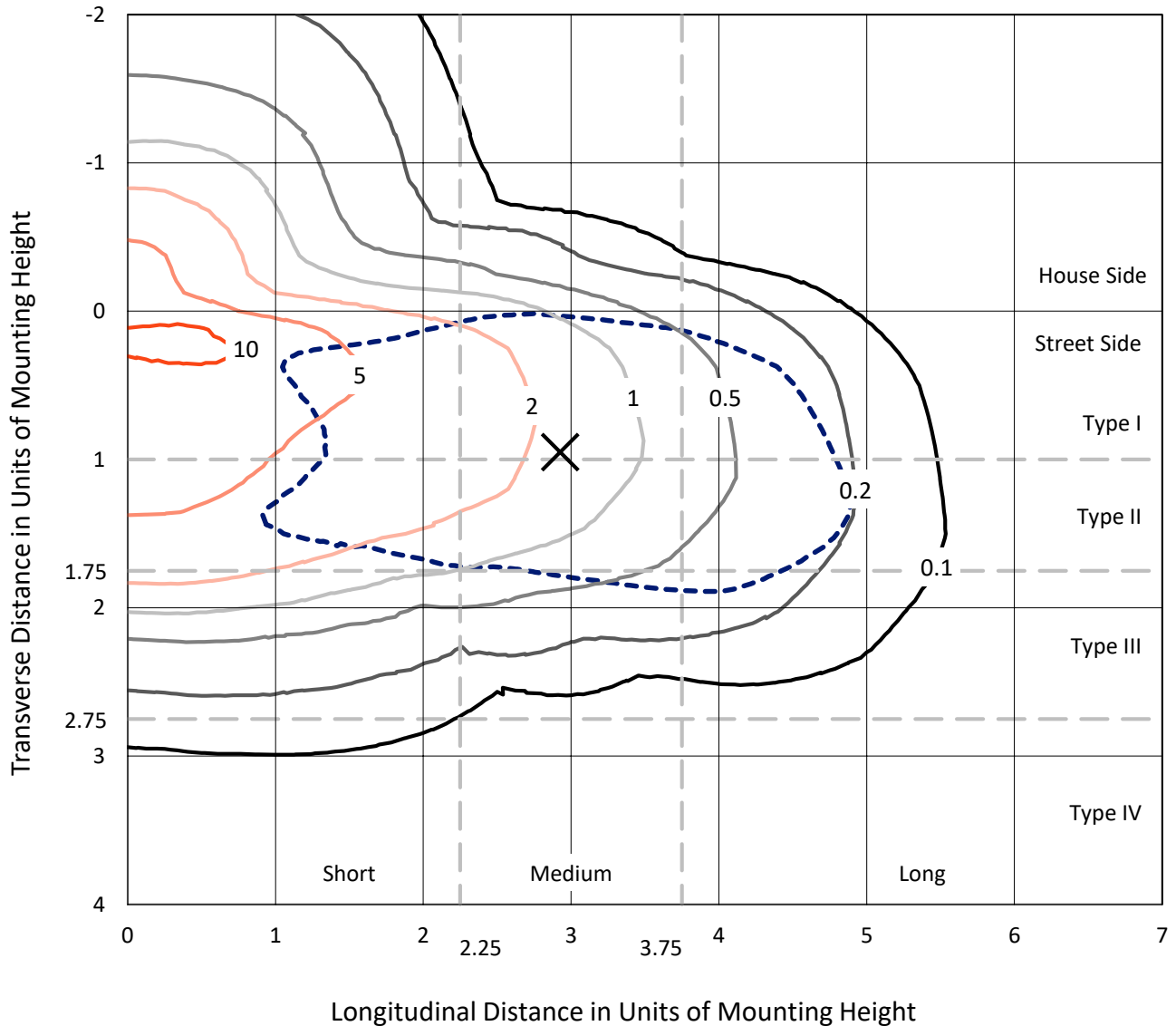
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

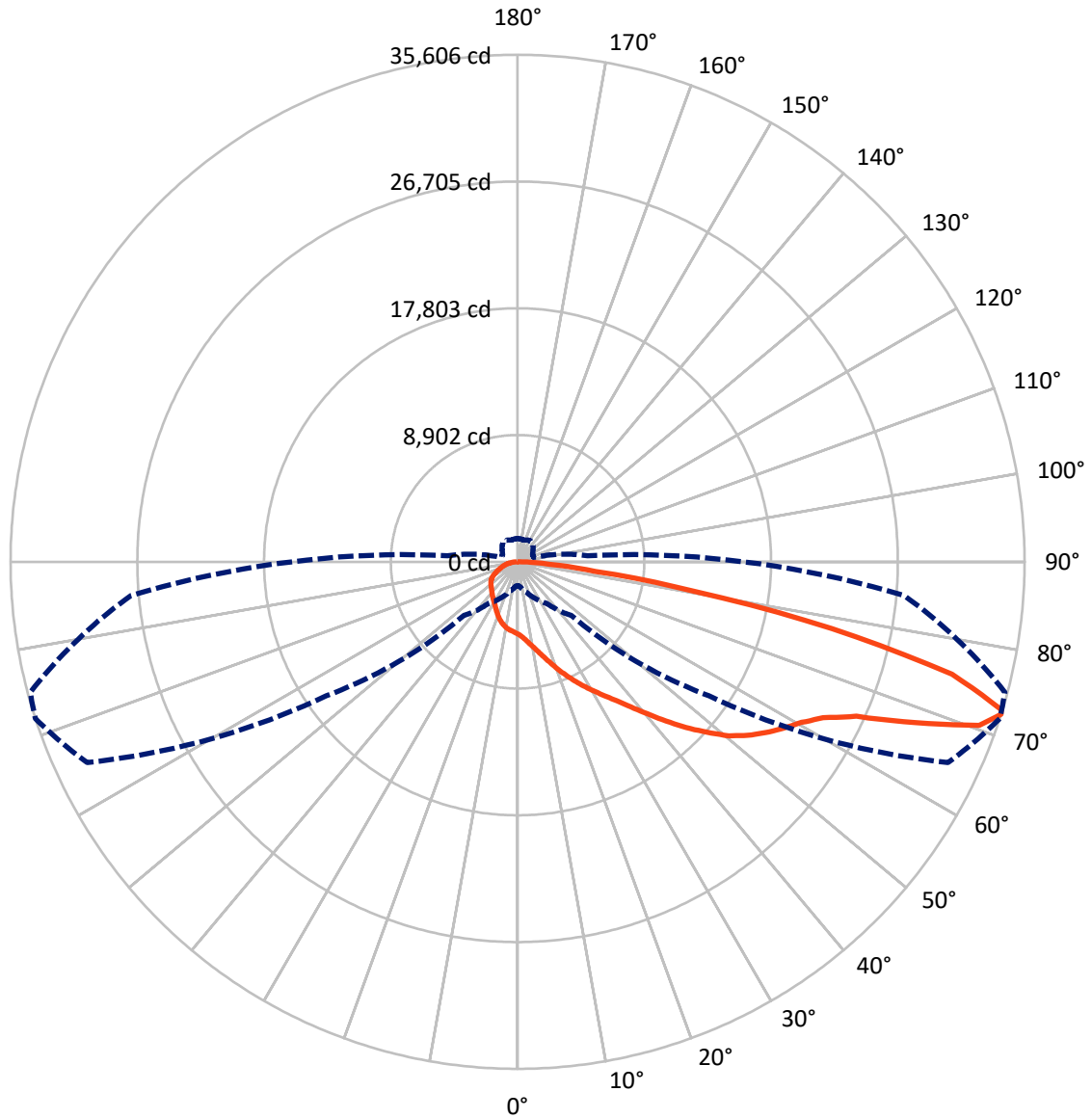
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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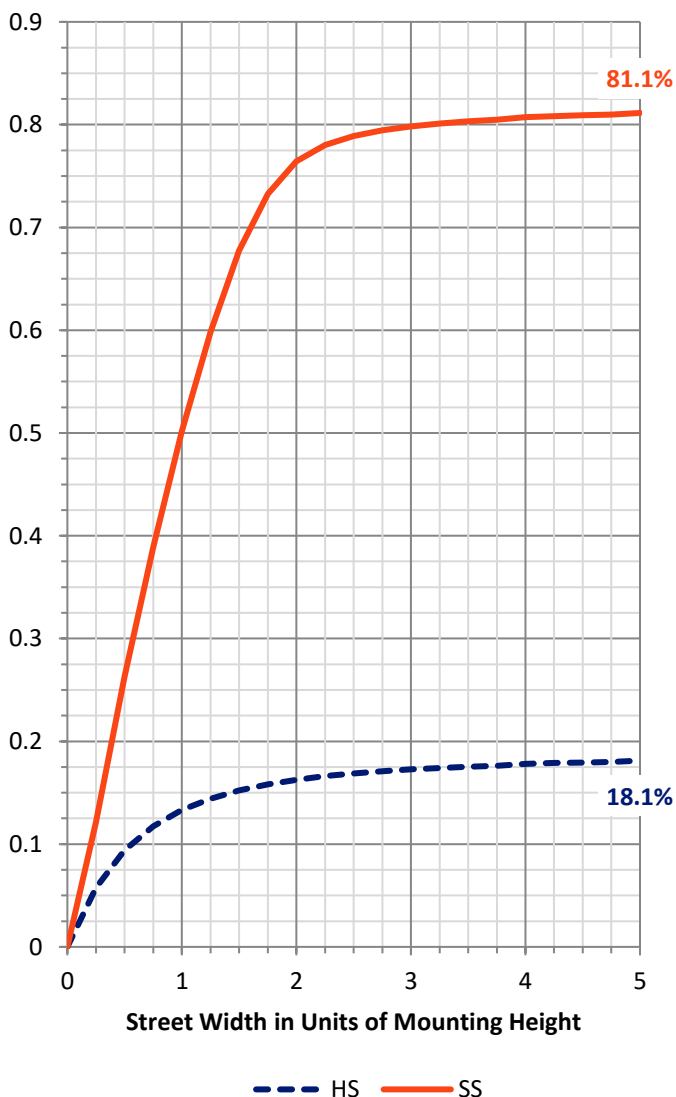
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7647.0	0.0	7647.0
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	33575.0	0.0	33575.0
	% Fixture	81.4	0.0	81.4
Total	Lumens	41222.0	0.0	41222.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	508.2	1.2
10°-20°	1642.1	4.0
20°-30°	2877.6	7.0
30°-40°	4266.5	10.4
40°-50°	6240.1	15.1
50°-60°	8586.4	20.8
60°-70°	9559.2	23.2
70°-80°	6477.3	15.7
80°-90°	1064.6	2.6
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°	41222.0	100.0
0°-180°	41222.0	100.0

Coefficient of Utilization

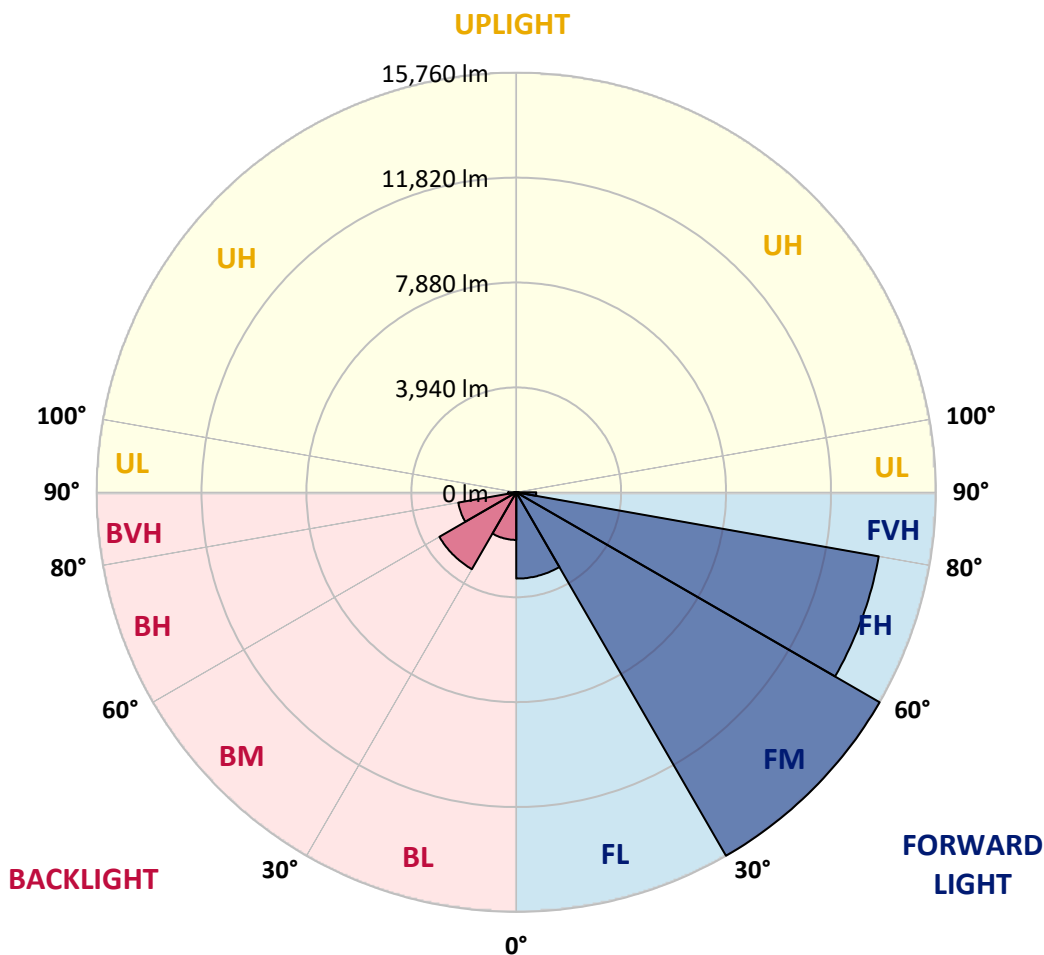


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3240.3	7.9			
FM (30°-60°)	15759.7	38.2			
FH (60°-80°)	13824.1	33.5			G5
FVH (80°-90°)	750.9	1.8			G5
BL (0°-30°)	1787.6	4.3	B3/2500		
BM (30°-60°)	3333.4	8.1	B3/5000		
BH (60°-80°)	2212.4	5.4	B3/2500		G3/2500
BVH (80°-90°)	313.7	0.8			G3/500
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°	65°	72°	75°	85°
0°	5071.4	5071.4	5071.4	5071.4	5071.4	5071.4	5071.4	5071.4	5071.4	5071.4	5071.4
2.5°	5602.2	5593.7	5563.9	5563.9	5507.1	5458.9	5368.0	5307.0	5234.6	5209.1	5123.9
5°	6144.4	6147.3	6110.4	6084.8	6001.1	5898.9	5744.2	5603.6	5463.1	5406.4	5231.8
7.5°	6600.0	6594.4	6584.4	6563.1	6485.1	6380.0	6171.4	5962.7	5755.5	5670.4	5369.4
10°	6892.4	6905.2	6913.7	6923.6	6891.0	6815.8	6618.5	6364.4	6093.3	5976.9	5534.1
12.5°	7040.0	7062.7	7102.5	7170.6	7224.6	7216.0	7072.7	6803.0	6480.8	6334.6	5739.9
15°	7126.6	7156.4	7218.9	7340.9	7492.8	7579.4	7541.1	7296.9	6937.8	6757.6	5991.1
17.5°	7180.6	7204.7	7301.2	7464.4	7690.1	7920.0	8020.8	7816.4	7454.5	7248.7	6279.3
20°	7217.5	7235.9	7356.6	7548.2	7840.6	8206.8	8487.8	8436.7	8023.7	7756.8	6580.2
22.5°	7299.8	7315.4	7430.4	7623.4	7947.0	8419.7	8937.7	9014.4	8624.0	8321.7	6902.4
25°	7529.7	7529.7	7626.2	7761.1	8064.8	8604.2	9318.1	9657.3	9237.2	8885.2	7200.4
27.5°	7968.3	7964.0	7999.5	8046.4	8276.3	8791.5	9657.3	10225.1	9873.1	9488.4	7490.0
30°	8487.8	8516.2	8520.4	8497.7	8605.6	9025.7	9971.0	10824.1	10513.2	10098.8	7786.6
32.5°	9156.3	9174.8	9153.5	9078.2	9062.6	9357.9	10279.0	11451.4	11205.9	10736.1	8057.7
35°	10005.1	9969.6	9902.9	9749.6	9603.4	9802.1	10631.0	12078.8	11983.7	11506.8	8431.0
37.5°	10914.9	10916.3	10834.0	10486.2	10284.7	10369.9	11116.4	12789.9	12924.7	12423.7	8909.3
40°	11644.4	11682.8	11733.9	11276.8	11015.7	11133.5	11733.9	13614.5	14037.5	13510.9	9532.4
42.5°	12154.0	12198.0	12342.8	12056.1	11785.0	12003.5	12460.6	14494.5	15286.5	14765.6	10262.0
45°	12693.4	12717.5	12819.7	12696.2	12523.0	13015.6	13279.6	15405.8	16608.0	16102.7	11078.1
47.5°	13261.1	13286.7	13391.7	13309.4	13218.5	13960.8	14134.0	16264.5	17874.0	17571.7	11949.6
50°	13962.3	13979.3	14078.7	13929.6	13958.0	14673.4	14897.6	17052.2	19201.1	18891.7	12823.9
52.5°	14918.9	14923.2	15060.9	14926.0	14792.6	15195.7	15554.8	17794.5	20241.5	20095.3	13698.3
55°	15668.3	15713.8	16165.1	16136.7	16060.1	15669.8	16104.1	18501.4	21169.8	21239.3	14626.5
57.5°	15190.0	15367.4	16281.5	16925.9	17553.3	16849.2	16846.4	19297.6	22032.8	22362.1	15647.0
60°	13303.7	13545.0	14891.9	16321.2	18284.2	18901.6	18387.8	20269.9	22904.2	23474.8	16925.9
62.5°	9501.2	9898.6	11723.9	14006.3	17282.2	20261.4	21524.6	21812.8	24089.4	24763.6	18588.0
65°	4803.1	5104.0	6634.1	9383.4	13807.6	19372.9	24933.9	25190.8	26148.9	26747.9	21147.1
67.5°	2918.2	3031.8	3778.3	5219.0	8465.1	15090.7	26046.7	30821.5	30134.5	30452.4	24796.3
70°	2150.3	2234.1	2699.6	3466.1	4868.4	8855.4	22631.7	34839.7	34388.3	34352.8	27493.0
72°	1674.8	1735.9	2147.5	2800.4	3559.8	5312.7	16403.6	33356.4	35606.1	35427.3	27246.1
72.5°	1588.3	1642.2	2016.9	2635.8	3363.9	4815.9	14748.6	32355.8	35518.1	35437.2	26926.7
75°	1250.5	1288.8	1493.2	2038.2	2632.9	2732.3	8081.8	25074.5	31508.4	32818.5	24218.6
77.5°	1034.7	1040.4	1148.3	1483.2	2052.4	1931.8	3970.0	17397.1	22562.2	24002.8	17155.8
80°	843.1	850.2	901.3	1040.4	1552.8	1429.3	1884.9	10003.7	12632.3	12647.9	8158.5
82.5°	671.4	672.8	729.6	760.8	1115.6	1021.9	1080.1	4696.7	5519.9	5309.8	2932.4
85°	472.6	462.7	712.5	624.5	729.6	655.7	596.1	1859.4	2282.3	2183.0	918.3
87.5°	157.5	163.2	316.5	404.5	425.8	371.9	265.4	712.5	861.6	854.5	291.0
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°	5071.4	5071.4	5071.4	5071.4	5071.4	5071.4	5071.4	5071.4	5071.4	5071.4	5071.4
2.5°	5096.9	5051.5	4984.8	4911.0	4852.8	4793.2	4749.2	4726.5	4700.9	4679.6	4705.2
5°	5150.9	5065.7	4923.8	4784.7	4682.5	4591.6	4526.3	4492.3	4461.1	4439.8	4442.6
7.5°	5238.9	5101.2	4862.7	4659.8	4517.8	4419.9	4353.2	4330.5	4310.6	4304.9	4312.0
10°	5332.5	5129.6	4781.8	4512.2	4350.3	4269.4	4239.6	4255.2	4269.4	4282.2	4296.4
12.5°	5439.0	5155.1	4664.0	4339.0	4201.3	4170.1	4199.9	4268.0	4317.7	4347.5	4366.0
15°	5578.1	5177.8	4527.8	4165.8	4073.6	4109.1	4209.8	4327.6	4414.2	4469.6	4478.1
17.5°	5705.8	5176.4	4353.2	3991.2	3970.0	4073.6	4225.4	4391.5	4507.9	4586.0	4601.6
20°	5837.8	5138.1	4150.2	3820.9	3864.9	4035.2	4232.5	4432.7	4573.2	4664.0	4685.3
22.5°	5961.3	5071.4	3927.4	3666.2	3776.9	3984.1	4205.6	4408.5	4549.1	4622.9	4645.6
25°	6045.1	4955.0	3701.7	3535.6	3698.9	3921.7	4117.6	4280.8	4385.8	4422.7	4428.4
27.5°	6087.6	4803.1	3488.8	3422.1	3618.0	3819.5	3954.3	4035.2	4065.1	4062.2	4056.5
30°	6093.3	4603.0	3305.7	3329.8	3524.3	3669.1	3732.9	3717.3	3679.0	3613.7	3619.4
32.5°	6074.9	4377.3	3152.4	3241.8	3405.1	3486.0	3488.8	3413.6	3311.4	3207.8	3179.4
35°	6080.5	4155.9	3017.6	3142.5	3260.3	3295.8	3263.1	3152.4	3013.3	2879.9	2851.5
37.5°	6143.0	3962.9	2901.2	3027.5	3099.9	3108.4	3061.6	2945.2	2843.0	2712.4	2701.0
40°	6292.0	3825.2	2790.5	2898.3	2939.5	2943.8	2877.0	2794.7	2803.2	2733.7	2732.3
42.5°	6560.3	3765.6	2692.5	2763.5	2789.0	2797.6	2746.5	2693.9	2767.8	2722.3	2706.7
45°	6906.6	3779.8	2610.2	2631.5	2678.3	2718.1	2686.9	2623.0	2651.4	2454.1	2388.8
47.5°	7306.9	3870.6	2544.9	2517.9	2598.9	2674.1	2625.8	2529.3	2428.5	2232.7	2195.8
50°	7775.3	4011.1	2485.3	2405.8	2512.3	2614.5	2566.2	2428.5	2276.7	2181.6	2168.8
52.5°	8263.5	4182.9	2425.7	2282.3	2403.0	2569.0	2544.9	2405.8	2218.5	2124.8	2107.8
55°	8817.1	4356.0	2350.5	2139.0	2285.2	2547.8	2535.0	2323.5	2174.5	2121.9	2109.2
57.5°	9505.5	4553.3	2251.1	1989.9	2174.5	2471.1	2431.4	2273.8	2129.0	2089.3	2085.0
60°	10402.5	4844.3	2107.8	1831.0	2039.6	2353.3	2344.8	2201.4	2056.7	2028.3	2022.6
62.5°	11748.1	5325.4	1910.5	1672.0	1889.2	2153.2	2231.2	2103.5	1980.0	1978.6	1981.4
65°	13834.5	6049.3	1696.1	1532.9	1737.3	1984.3	2099.2	2002.7	1901.9	1930.3	1934.6
67.5°	16253.1	6649.7	1486.1	1396.7	1582.6	1823.9	1980.0	1901.9	1798.3	1872.1	1873.6
70°	17057.9	6113.2	1301.6	1261.8	1422.2	1669.2	1850.8	1791.2	1686.2	1760.0	1752.9
72°	15874.1	4935.1	1182.3	1159.6	1301.6	1541.4	1735.9	1687.6	1584.0	1633.7	1615.2
72.5°	15500.9	4705.2	1152.5	1134.1	1268.9	1508.8	1706.1	1662.1	1558.5	1601.0	1584.0
75°	13827.4	4086.3	990.7	995.0	1107.1	1349.8	1538.6	1524.4	1417.9	1422.2	1416.5
77.5°	10029.2	2996.3	834.6	863.0	942.5	1186.6	1369.7	1361.2	1244.8	1223.5	1219.2
80°	4654.1	1528.7	679.9	692.6	775.0	992.1	1168.1	1156.8	1063.1	1036.1	1020.5
82.5°	1593.9	726.7	511.0	519.5	600.4	799.1	1013.4	1006.3	928.3	875.7	843.1
85°	569.2	361.9	357.7	349.2	428.6	628.8	882.8	844.5	729.6	621.7	618.8
87.5°	184.5	154.7	184.5	183.1	249.8	425.8	641.6	546.5	529.4	440.0	431.5
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)