

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: P319310

Luminaire Tested: **GAN-SA6A-730-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319310
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-730-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24866 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

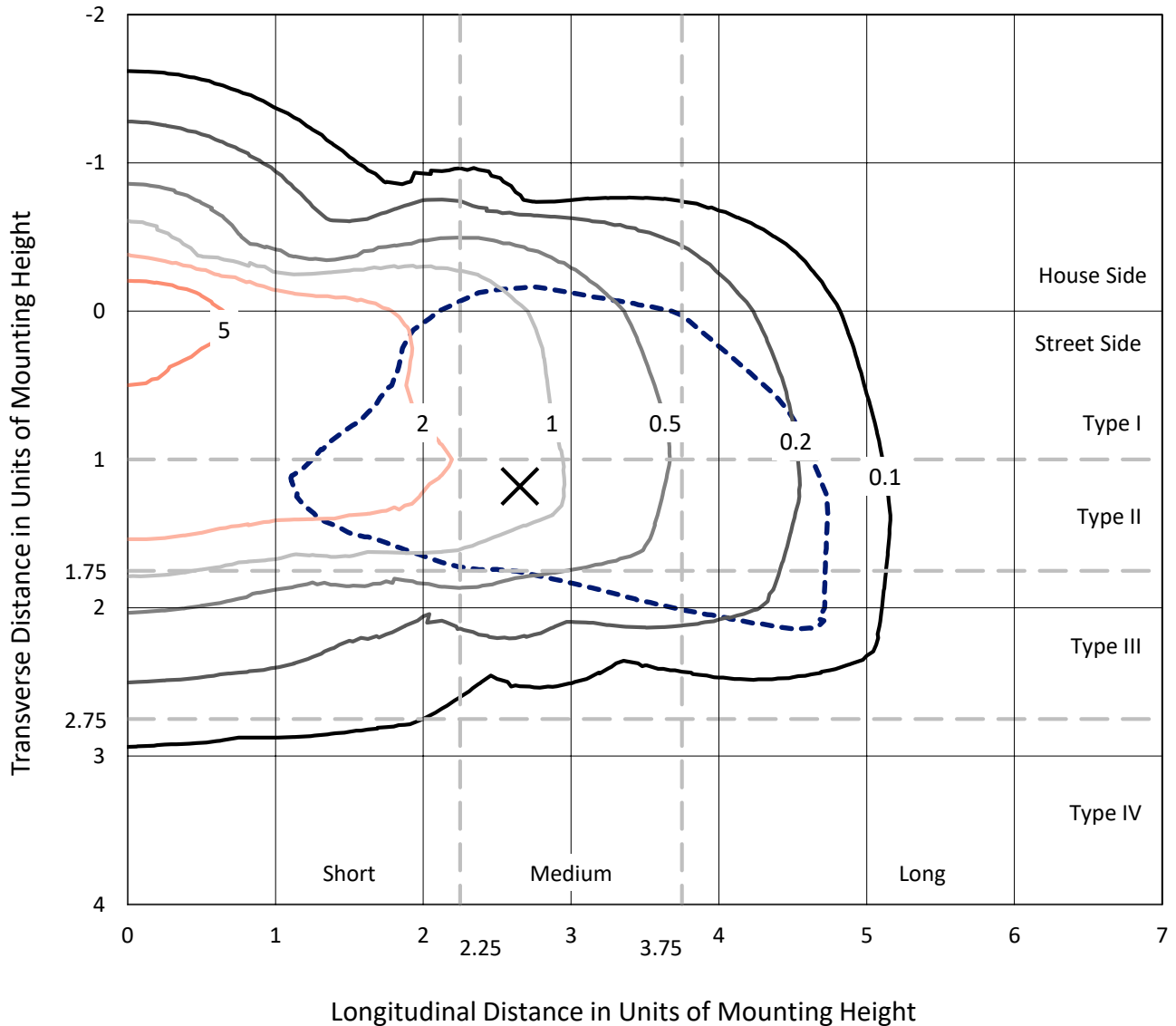
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

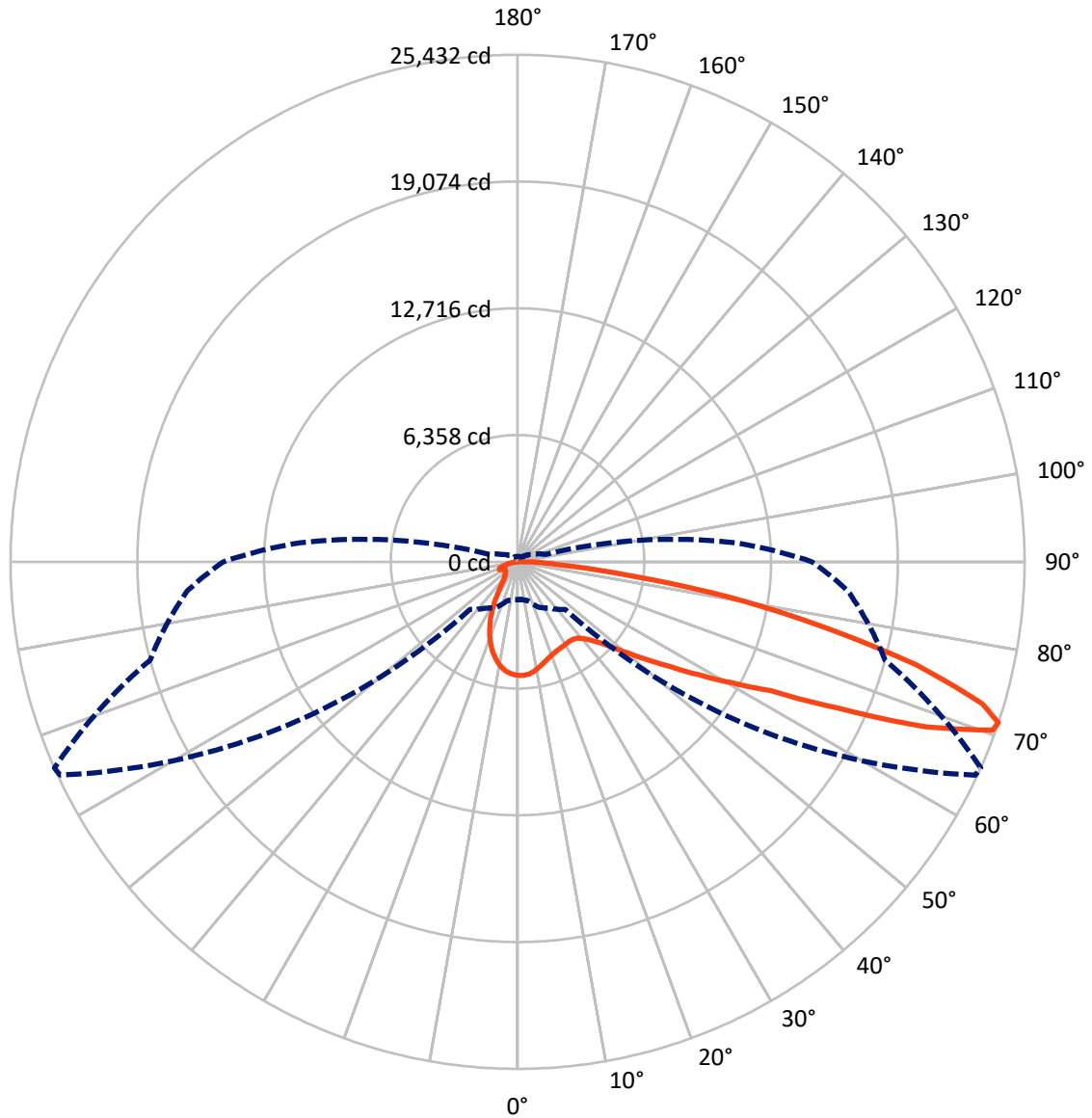
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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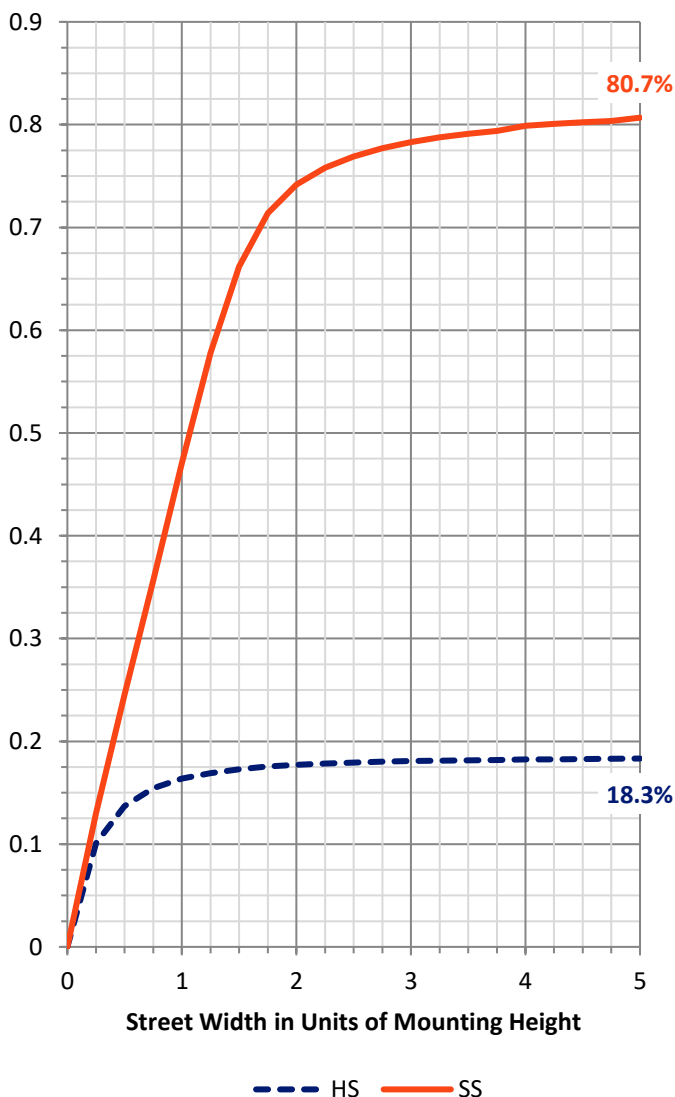
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4608.3	0.0	4608.3
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	20257.7	0.0	20257.7
	% Fixture	81.5	0.0	81.5
Total	Lumens	24866.0	0.0	24866.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.4	2.0
10°-20°	1202.6	4.8
20°-30°	1615.4	6.5
30°-40°	2125.0	8.5
40°-50°	3091.4	12.4
50°-60°	4829.0	19.4
60°-70°	6049.1	24.3
70°-80°	4614.2	18.6
80°-90°	837.9	3.4
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°	24866.0	100.0
0°-180°	24866.0	100.0

Coefficient of Utilization

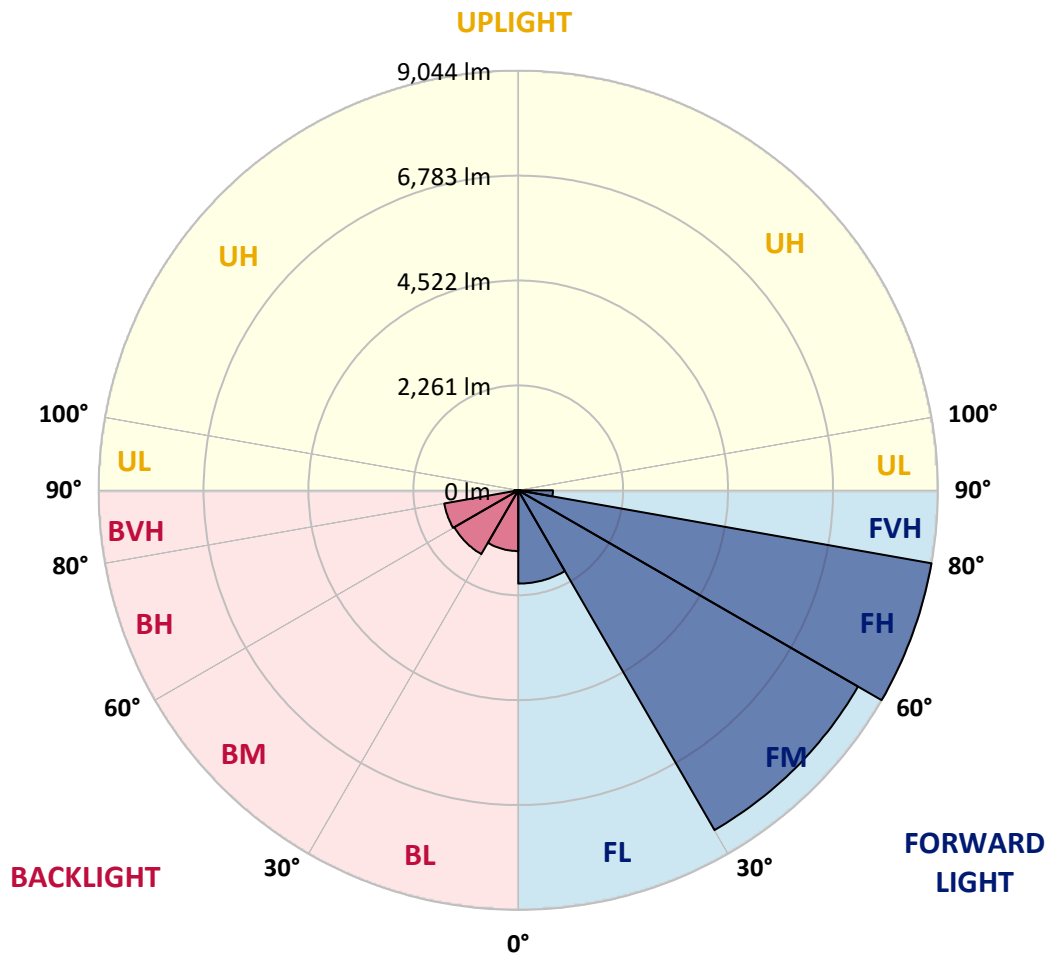


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2010.8	8.1			
FM (30°-60°)	8455.7	34.0			
FH (60°-80°)	9044.0	36.4			G4/12000
FVH (80°-90°)	747.2	3.0			G4/750
BL (0°-30°)	1308.6	5.3	B3/2500		
BM (30°-60°)	1589.7	6.4	B2/2500		
BH (60°-80°)	1619.3	6.5	B3/2500		G3/2500
BVH (80°-90°)	90.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5696.3	5696.3	5696.3	5696.3	5696.3	5696.3	5696.3	5696.3	5696.3	5696.3	5696.3
2.5°	5590.7	5582.1	5607.9	5634.5	5644.8	5662.0	5687.7	5702.3	5701.5	5704.0	5695.5
5°	5219.8	5208.7	5260.2	5302.3	5383.0	5474.0	5584.7	5663.7	5665.4	5710.1	5722.1
7.5°	4868.7	4861.0	4920.2	4988.0	5081.6	5220.7	5400.1	5570.1	5580.4	5701.5	5743.5
10°	4587.1	4585.4	4642.9	4716.7	4825.8	4981.2	5187.2	5436.2	5451.6	5660.3	5747.0
12.5°	4367.3	4370.8	4420.5	4504.7	4619.7	4782.0	5005.2	5285.9	5310.8	5595.0	5727.2
15°	4205.1	4218.8	4259.1	4344.1	4457.5	4622.3	4851.5	5146.9	5184.6	5522.0	5716.1
17.5°	4112.3	4127.8	4156.1	4226.5	4333.0	4491.8	4709.0	5032.7	5067.0	5466.2	5716.9
20°	4084.9	4097.7	4114.1	4157.0	4247.1	4391.4	4596.5	4929.7	4966.6	5421.6	5725.5
22.5°	4139.0	4148.4	4150.1	4146.7	4201.6	4319.2	4515.0	4854.1	4893.6	5392.4	5731.5
25°	4254.9	4267.7	4258.3	4226.5	4208.5	4280.6	4472.9	4804.3	4843.8	5370.9	5719.5
27.5°	4429.1	4430.9	4423.1	4381.9	4296.9	4284.9	4460.0	4775.1	4812.9	5346.0	5694.6
30°	4666.1	4677.2	4663.5	4607.7	4468.6	4353.6	4475.5	4746.8	4781.1	5314.3	5654.3
32.5°	4943.4	4970.9	4970.0	4911.6	4712.4	4507.3	4539.0	4729.6	4756.2	5280.8	5605.3
35°	5231.0	5268.8	5339.2	5314.3	5067.9	4750.2	4660.9	4757.1	4775.1	5276.5	5571.0
37.5°	5529.8	5567.5	5712.6	5779.6	5491.1	5097.9	4853.2	4854.1	4862.7	5328.9	5568.4
40°	5842.3	5882.6	6100.7	6275.0	6039.7	5538.4	5163.2	5056.7	5047.3	5457.6	5619.1
42.5°	6280.1	6316.2	6578.0	6800.4	6648.4	6102.4	5591.6	5369.2	5349.5	5710.1	5781.3
45°	6833.9	6864.8	7142.9	7380.7	7302.6	6746.3	6129.9	5799.3	5795.9	6130.7	6110.1
47.5°	7492.4	7516.4	7766.2	7996.3	8024.6	7487.2	6806.4	6463.0	6407.2	6707.7	6619.2
50°	8178.3	8204.9	8374.9	8622.2	8832.5	8478.8	7676.9	7276.0	7201.3	7469.2	7340.4
52.5°	8632.5	8667.7	8815.3	9128.7	9740.8	9565.7	8706.3	8261.6	8148.3	8392.1	8293.4
55°	8429.9	8508.8	8734.6	9236.9	10467.1	11226.1	9976.1	9411.2	9283.2	9485.9	9427.5
57.5°	7508.7	7616.8	7925.1	8700.3	10569.3	12689.0	11895.7	10765.1	10674.9	10616.5	10643.1
60°	5825.1	5929.0	6311.0	7321.5	9857.6	13757.0	14784.7	12434.0	12303.5	11751.5	11775.5
62.5°	4122.6	4070.3	4332.1	5071.3	8010.0	13882.4	18072.0	14666.2	14236.9	12950.0	12844.4
65°	3143.9	3131.9	3249.5	3484.8	4851.5	12382.5	20030.3	18418.0	17747.4	14359.7	14110.7
67.5°	2583.3	2561.8	2677.7	3020.3	3124.2	7988.6	20073.2	22770.7	22112.2	16114.5	15575.4
70°	2124.0	2100.0	2208.1	2650.3	2887.2	4051.4	16894.1	25319.6	25284.4	18336.4	16681.2
71°	1904.2	1887.0	2016.7	2507.8	2836.6	3376.6	14586.4	25326.5	25432.1	19088.5	16615.9
72.5°	1550.5	1556.5	1693.9	2232.2	2798.8	2981.7	10720.4	24146.0	24369.3	19805.3	16022.7
75°	1030.2	1035.4	1215.7	1717.1	2713.8	2917.3	5892.1	20261.2	20671.6	19376.1	14620.7
77.5°	692.0	690.3	813.0	1177.9	2364.4	2917.3	3454.7	15153.8	15604.6	15417.4	11271.6
80°	476.5	473.0	559.8	813.0	1790.0	2952.5	2670.9	10620.0	10756.5	8326.0	4581.1
82.5°	291.9	294.5	365.7	574.4	1218.2	2657.1	2521.5	5790.8	5642.2	2335.2	1144.4
85°	167.4	166.6	233.5	388.9	782.1	2242.5	2458.8	2492.3	2286.3	703.1	413.8
87.5°	60.1	64.4	125.3	215.5	448.2	1561.7	2086.2	1296.4	1168.5	317.7	187.2
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°	5696.3	5696.3	5696.3	5696.3	5696.3	5696.3	5696.3	5696.3	5696.3	5696.3	5696.3
2.5°	5689.5	5694.6	5688.6	5654.3	5625.1	5577.8	5551.2	5514.3	5503.2	5498.0	5511.7
5°	5710.9	5712.6	5662.0	5571.8	5470.5	5351.2	5265.3	5159.7	5109.9	5088.5	5102.2
7.5°	5730.7	5722.9	5612.2	5439.6	5252.5	5044.7	4860.1	4691.0	4592.3	4551.9	4555.3
10°	5733.2	5700.6	5522.9	5255.9	4965.7	4660.9	4377.6	4116.6	3951.8	3844.5	3877.1
12.5°	5706.6	5651.7	5391.5	5018.1	4615.4	4199.9	3817.0	3425.5	3190.3	3081.2	3084.7
15°	5686.0	5586.4	5230.1	4738.2	4197.3	3647.0	3124.2	2664.0	2413.3	2301.7	2249.3
17.5°	5668.8	5516.0	5043.0	4423.1	3703.7	3005.7	2377.3	1966.9	1829.5	1796.9	1783.2
20°	5644.8	5441.3	4834.4	4058.3	3141.3	2288.0	1735.9	1533.3	1534.2	1572.0	1577.1
22.5°	5611.3	5356.3	4612.0	3648.7	2537.8	1666.4	1360.8	1302.4	1361.6	1433.7	1446.6
25°	5561.5	5255.9	4364.7	3196.3	1935.1	1280.9	1162.4	1159.9	1232.0	1307.5	1318.7
27.5°	5491.1	5124.5	4090.0	2710.4	1426.0	1088.6	1041.4	1059.4	1112.6	1167.6	1171.9
30°	5396.7	4971.7	3787.0	2197.8	1117.8	969.3	964.1	980.4	1013.1	1051.7	1055.1
32.5°	5292.8	4816.3	3463.3	1701.6	957.3	904.9	910.0	917.8	933.2	948.7	952.1
35°	5198.4	4657.5	3131.9	1292.9	880.8	862.8	859.4	857.7	859.4	854.2	855.1
37.5°	5137.4	4526.1	2786.8	1029.4	837.1	825.9	815.6	802.7	788.1	779.5	781.3
40°	5115.1	4428.3	2437.4	889.4	801.0	793.3	773.5	746.1	728.9	723.7	723.7
42.5°	5175.2	4377.6	2100.0	819.0	771.0	758.1	725.5	693.7	680.8	680.0	679.1
45°	5358.9	4398.2	1778.9	780.4	743.5	718.6	675.7	649.0	640.5	642.2	641.3
47.5°	5688.6	4527.9	1504.1	754.6	716.0	683.4	635.3	613.8	603.5	603.5	604.4
50°	6249.2	4830.9	1285.2	733.2	692.8	650.8	606.1	579.5	565.8	564.9	564.9
52.5°	7065.7	5373.5	1148.7	715.2	667.1	621.6	576.9	543.4	527.1	523.7	522.0
55°	8089.0	6151.3	1110.9	703.1	632.7	589.8	541.7	508.2	490.2	482.5	481.6
57.5°	9233.4	7097.4	1185.6	688.5	597.5	552.0	503.1	471.3	452.4	443.0	442.1
60°	10391.6	8130.2	1490.4	667.9	568.3	510.8	463.6	434.4	415.5	405.2	403.5
62.5°	11551.5	9218.9	2112.8	666.2	547.7	471.3	423.3	398.4	380.3	369.2	366.6
65°	12859.9	10410.5	2820.3	711.7	540.9	435.3	382.0	362.3	346.8	336.5	335.7
67.5°	14362.3	11755.8	2752.4	805.3	564.1	402.6	343.4	328.0	316.8	308.2	307.4
70°	15067.1	11545.5	1711.0	871.4	596.7	370.9	306.5	295.3	286.7	280.7	278.2
71°	14771.8	10962.5	1434.6	863.7	593.2	357.1	291.9	283.3	274.7	269.6	267.0
72.5°	13966.5	9997.5	1196.8	803.6	554.6	332.2	273.0	264.4	256.7	250.7	249.0
75°	12532.8	8928.7	958.1	642.2	442.1	280.7	239.5	230.1	224.1	220.6	217.2
77.5°	9212.8	6372.0	740.9	507.4	325.4	229.2	204.3	197.5	191.5	186.3	183.7
80°	3529.4	2468.3	498.8	378.6	238.7	181.1	164.8	161.4	155.4	152.0	152.0
82.5°	950.4	737.5	266.1	229.2	159.7	132.2	126.2	124.5	119.3	112.5	113.3
85°	384.6	325.4	149.4	126.2	97.9	78.1	85.0	85.9	79.8	71.3	72.1
87.5°	169.1	138.2	83.3	55.8	42.9	30.0	38.6	38.6	35.2	29.2	26.6
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)