

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: P318720

Luminaire Tested: **GAN-SA6B-740-U-T4FT**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318720
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-740-U-T4FT
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34384 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

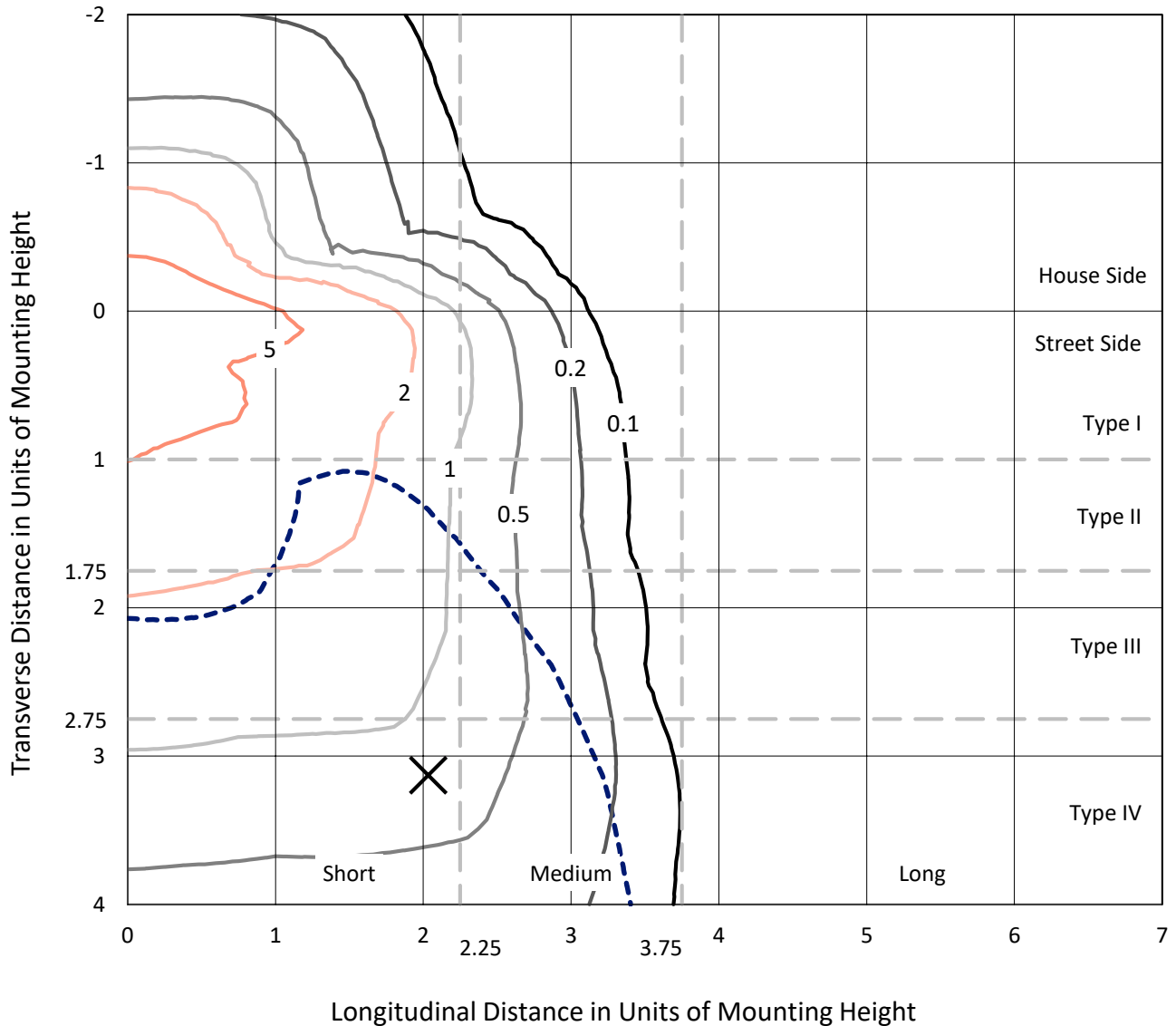
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

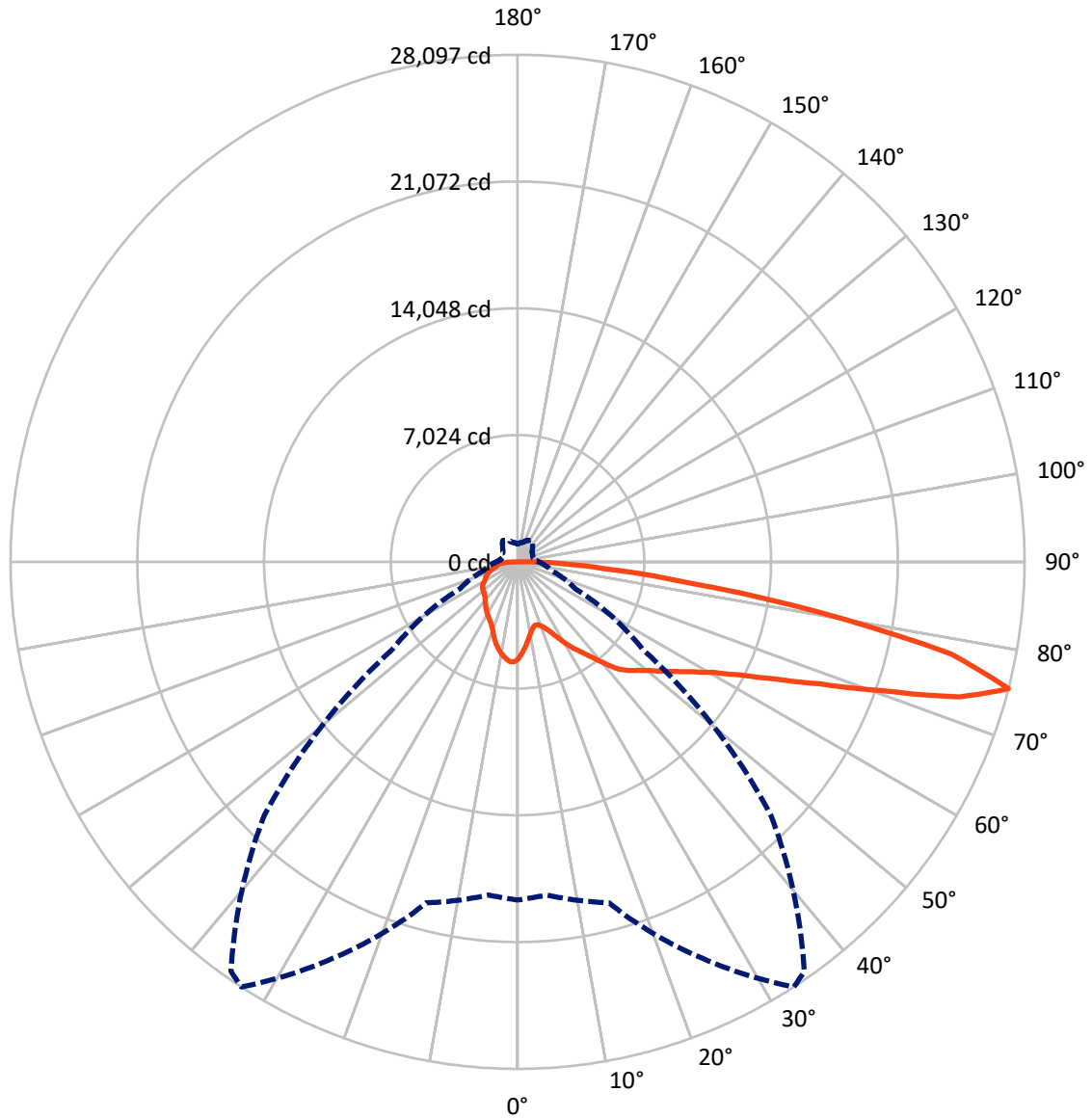
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 33-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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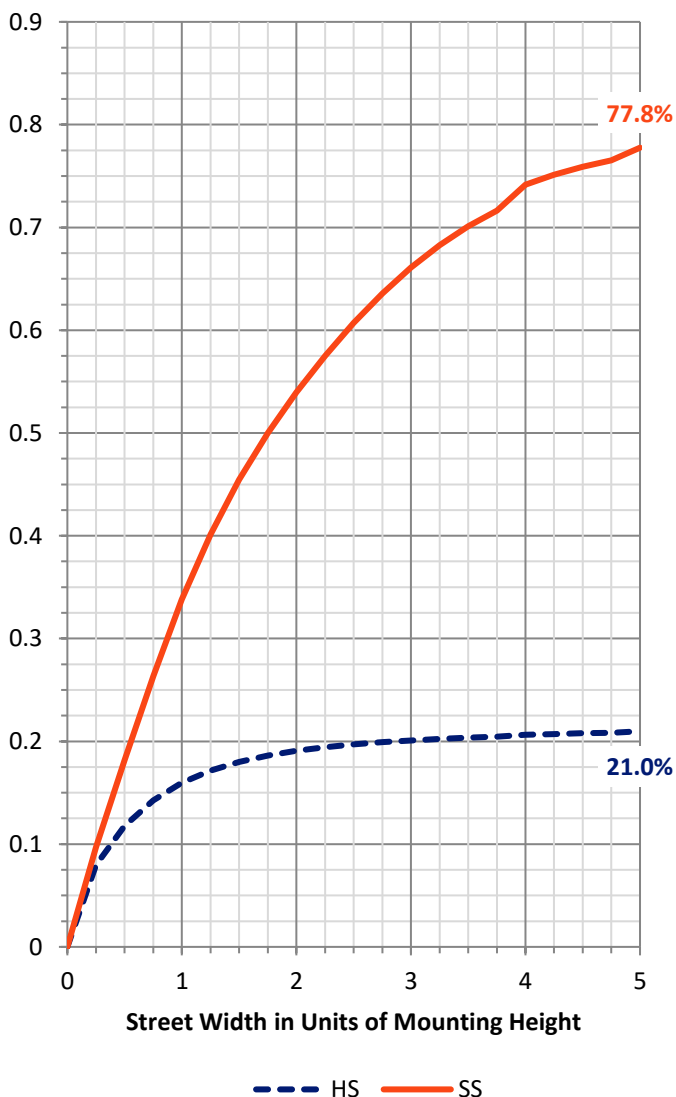
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7383.2	0.0	7383.2
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	27000.9	0.0	27000.9
	% Fixture	78.5	0.0	78.5
Total	Lumens	34384.0	0.0	34384.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	486.0	1.4
10°-20°	1316.4	3.8
20°-30°	2149.9	6.3
30°-40°	3201.7	9.3
40°-50°	4592.1	13.4
50°-60°	6304.3	18.3
60°-70°	7892.7	23.0
70°-80°	7140.1	20.8
80°-90°	1300.6	3.8
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°	34384.0	100.0
0°-180°	34384.0	100.0

Coefficient of Utilization



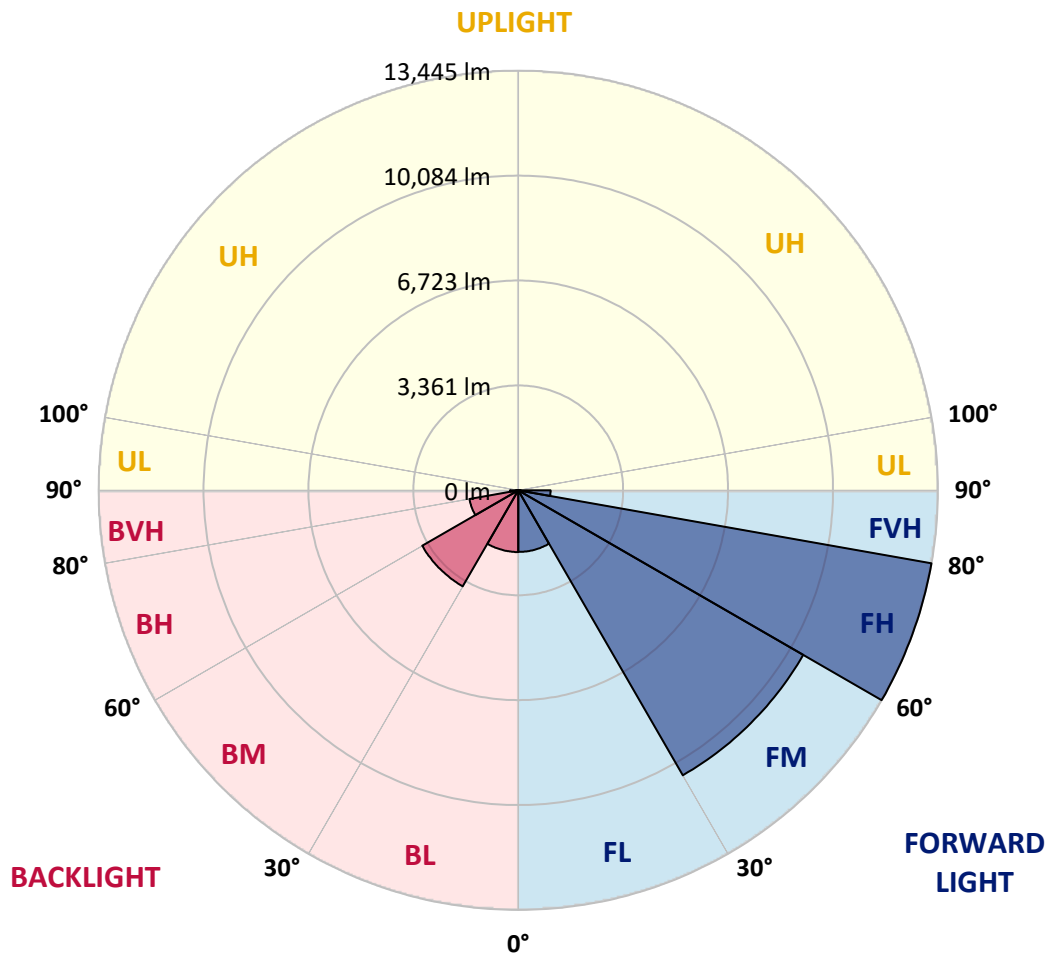
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1974.8	5.7			
FM (30°-60°)	10544.9	30.7			
FH (60°-80°)	13445.3	39.1			G5
FVH (80°-90°)	1035.8	3.0			G5
BL (0°-30°)	1977.5	5.8	B3/2500		
BM (30°-60°)	3553.3	10.3	B3/5000		
BH (60°-80°)	1587.5	4.6	B3/2500		G3/2500
BVH (80°-90°)	264.8	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	5374.4	5374.4	5374.4	5374.4	5374.4	5374.4	5374.4	5374.4	5374.4	5374.4	5374.4
2.5°	4990.8	4971.8	5007.4	5012.2	5043.0	5054.9	5097.7	5164.2	5218.8	5281.8	5338.8
5°	4538.3	4525.2	4575.1	4610.7	4678.4	4706.9	4807.9	4949.2	5075.1	5217.6	5347.1
7.5°	4108.3	4101.2	4157.0	4237.8	4316.2	4355.4	4529.9	4735.4	4945.6	5176.1	5374.4
10°	3746.1	3743.7	3797.1	3876.7	3991.9	4035.9	4261.5	4532.3	4826.9	5144.0	5420.7
12.5°	3543.0	3551.3	3576.2	3642.7	3749.6	3793.6	4044.2	4362.5	4727.1	5133.3	5488.4
15°	3592.8	3605.9	3563.1	3560.8	3636.8	3671.2	3906.4	4241.3	4655.8	5151.1	5587.0
17.5°	3805.4	3807.8	3695.0	3623.7	3670.0	3687.9	3863.6	4172.4	4614.3	5191.5	5710.5
20°	4104.7	4098.8	3899.3	3780.5	3805.4	3810.2	3924.2	4173.6	4610.7	5261.6	5870.9
22.5°	4501.4	4457.5	4189.1	4027.5	4021.6	4014.5	4079.8	4261.5	4663.0	5375.6	6062.1
25°	5019.3	4977.7	4608.3	4387.4	4339.9	4322.1	4331.6	4449.2	4766.3	5497.9	6275.9
27.5°	5595.3	5522.9	5166.6	4854.2	4755.6	4730.7	4673.7	4714.0	4879.1	5615.5	6530.1
30°	6077.5	6038.3	5727.2	5356.6	5240.2	5204.6	5054.9	5011.0	5041.9	5775.9	6850.7
32.5°	6347.2	6321.0	6132.2	5832.9	5724.8	5674.9	5463.5	5375.6	5303.1	6028.8	7285.4
35°	6673.8	6657.1	6543.1	6325.8	6165.4	6113.2	5949.3	5857.8	5671.3	6376.8	7847.2
37.5°	7089.5	7071.7	7074.0	6898.3	6707.0	6658.3	6550.3	6454.0	6148.8	6834.1	8457.7
40°	7559.8	7525.4	7512.3	7504.0	7382.8	7355.5	7298.5	7167.9	6747.4	7380.5	9059.9
42.5°	8267.7	8145.4	7884.1	7982.6	8102.6	8088.3	8134.7	7947.0	7412.5	8026.6	9647.8
45°	8950.6	8749.9	8298.6	8319.9	8582.4	8662.0	9008.8	8875.8	8133.5	8734.5	10255.9
47.5°	9261.8	9109.8	8726.1	8727.3	8987.4	9152.5	9912.7	9817.7	8891.2	9538.5	10998.2
50°	9609.8	9457.8	9113.3	9242.8	9469.7	9645.4	10785.6	10736.9	9612.2	10418.6	11887.8
52.5°	9989.9	9732.1	9513.6	9745.2	10063.5	10267.8	11659.8	11526.8	10273.7	11304.7	12910.5
55°	9994.6	9924.5	10090.8	10260.7	10736.9	10987.6	12575.5	12224.0	10813.0	12175.3	13743.1
57.5°	10563.5	10449.5	10802.3	10880.7	11503.0	11785.7	13486.5	12830.9	11361.7	12842.8	14192.0
60°	11316.6	11219.2	11507.8	11714.4	12450.8	12828.5	14459.2	13454.4	11792.8	13346.4	14170.6
62.5°	12617.1	12506.6	12503.1	12792.9	13784.6	14224.1	15550.8	14066.1	11963.9	13446.1	13566.1
65°	14521.0	14345.2	14013.9	14151.6	15626.8	16065.0	16770.5	14509.1	11738.2	12911.7	12009.0
67.5°	16373.8	16367.9	15960.5	16243.2	18059.2	18410.8	18160.2	14553.1	11033.9	11050.5	9246.4
70°	18220.7	18244.5	18175.6	19159.0	21345.6	21711.4	19640.1	13962.8	9450.7	7980.3	5539.5
72.5°	19684.0	19678.1	20024.9	22560.7	25610.7	25528.8	20887.2	12174.1	6785.4	4307.8	2647.4
75°	18736.2	18529.5	19562.9	24244.8	28096.6	27696.3	19826.5	8492.2	3521.6	1960.9	1425.3
77.5°	12220.4	12416.4	13933.1	20028.4	24576.2	24089.2	14545.9	3962.2	1659.2	1286.3	1033.3
80°	4425.4	4632.1	6524.1	11345.1	16932.1	16852.5	7163.1	1628.4	1122.4	971.6	753.0
82.5°	1522.7	1598.7	2573.8	5038.3	9559.9	9916.2	2694.9	925.2	816.0	688.9	515.5
85°	597.4	684.1	1177.0	2424.1	4822.1	4857.8	1091.5	553.5	567.7	451.3	282.7
87.5°	226.9	275.5	563.0	1126.0	2202.0	2022.7	390.8	263.7	323.1	268.4	134.2
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°	5374.4	5374.4	5374.4	5374.4	5374.4	5374.4	5374.4	5374.4	5374.4	5374.4	5374.4
2.5°	5382.7	5407.7	5459.9	5495.6	5533.6	5544.3	5549.0	5558.5	5568.0	5564.4	5565.6
5°	5416.0	5464.7	5549.0	5584.6	5601.3	5582.3	5545.4	5515.8	5494.4	5482.5	5478.9
7.5°	5470.6	5539.5	5629.8	5623.8	5585.8	5501.5	5406.5	5335.2	5275.8	5254.5	5242.6
10°	5543.1	5623.8	5686.8	5619.1	5508.6	5362.5	5220.0	5109.6	5020.5	4986.0	4980.1
12.5°	5635.7	5717.7	5729.5	5585.8	5402.9	5203.4	5009.8	4863.7	4730.7	4687.9	4678.4
15°	5755.7	5832.9	5759.2	5527.6	5272.3	5003.8	4753.2	4554.9	4414.7	4362.5	4343.5
17.5°	5881.6	5955.2	5765.2	5431.4	5101.2	4767.5	4452.7	4249.6	4089.3	4028.7	4021.6
20°	6032.4	6065.7	5740.2	5293.6	4866.1	4461.1	4129.7	3938.5	3852.9	3810.2	3805.4
22.5°	6218.9	6183.2	5683.2	5107.2	4568.0	4107.1	3837.5	3748.4	3727.1	3717.5	3721.1
25°	6416.0	6306.8	5598.9	4863.7	4191.4	3753.2	3623.7	3648.7	3677.2	3673.6	3673.6
27.5°	6633.4	6432.7	5469.4	4540.6	3774.6	3463.4	3478.8	3570.3	3613.0	3611.8	3610.7
30°	6912.5	6575.2	5304.3	4152.3	3385.0	3259.1	3352.9	3464.6	3522.8	3520.4	3521.6
32.5°	7255.8	6732.0	5079.9	3718.7	3103.5	3108.3	3216.3	3326.8	3394.5	3388.6	3389.7
35°	7657.2	6907.8	4775.8	3291.2	2917.0	2988.3	3073.8	3151.0	3215.1	3206.8	3198.5
37.5°	8094.3	7080.0	4372.0	2908.7	2765.0	2876.6	2947.9	2961.0	2990.7	2969.3	2953.8
40°	8510.0	7211.8	3851.8	2595.2	2611.8	2781.6	2828.0	2775.7	2722.2	2715.1	2693.7
42.5°	8872.2	7255.8	3325.6	2344.6	2450.3	2681.9	2710.4	2601.1	2504.9	2459.8	2440.8
45°	9254.7	7271.2	2835.1	2134.3	2294.7	2592.8	2623.7	2477.6	2342.2	2244.8	2212.7
47.5°	9754.7	7382.8	2453.8	1978.7	2175.9	2533.4	2577.3	2379.0	2203.2	2064.2	2034.6
50°	10409.1	7603.8	2143.8	1860.0	2098.7	2494.2	2544.1	2282.8	2089.2	1921.7	1892.0
52.5°	11136.0	7806.9	1893.2	1763.8	2023.9	2425.3	2501.3	2213.9	1982.3	1789.9	1757.8
55°	11644.4	7651.3	1691.3	1664.0	1926.5	2326.7	2441.9	2155.7	1829.1	1661.6	1633.1
57.5°	11741.8	7119.2	1538.1	1560.7	1808.9	2203.2	2350.5	2026.2	1745.9	1605.8	1576.1
60°	11475.7	6378.0	1424.1	1465.6	1683.0	2047.6	2179.5	1934.8	1666.4	1546.4	1521.5
62.5°	10807.0	5619.1	1339.7	1380.1	1565.4	1889.7	2072.6	1838.6	1585.6	1478.7	1453.8
65°	9456.6	4717.6	1259.0	1304.1	1456.1	1753.1	1976.4	1749.5	1506.0	1424.1	1400.3
67.5°	7138.2	3533.5	1183.0	1223.3	1358.7	1634.3	1871.8	1661.6	1428.8	1376.6	1348.1
70°	4203.3	2212.7	1096.3	1139.0	1256.6	1510.8	1760.2	1565.4	1332.6	1308.9	1272.0
72.5°	1956.2	1331.4	997.7	1039.3	1128.3	1345.7	1616.5	1439.5	1218.6	1166.3	1116.5
75°	1167.5	973.9	881.3	918.1	981.1	1169.9	1435.9	1311.2	1110.5	1041.6	989.4
77.5°	873.0	744.7	753.0	792.2	843.3	1023.8	1272.0	1210.3	1027.4	973.9	938.3
80°	628.3	565.4	614.0	656.8	710.3	931.2	1218.6	1118.8	928.8	857.5	824.3
82.5°	419.3	406.2	462.0	506.0	558.2	814.8	1145.0	979.9	793.4	703.1	629.5
85°	231.6	244.7	311.2	330.2	375.3	573.7	938.3	787.5	597.4	481.0	459.6
87.5°	96.2	112.8	167.5	161.5	199.5	342.1	617.6	475.1	380.1	283.9	220.9
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)