

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: P318760

Luminaire Tested: **GAN-SA6B-750-U-T4FT**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318760
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-750-U-T4FT
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 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: 34383 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

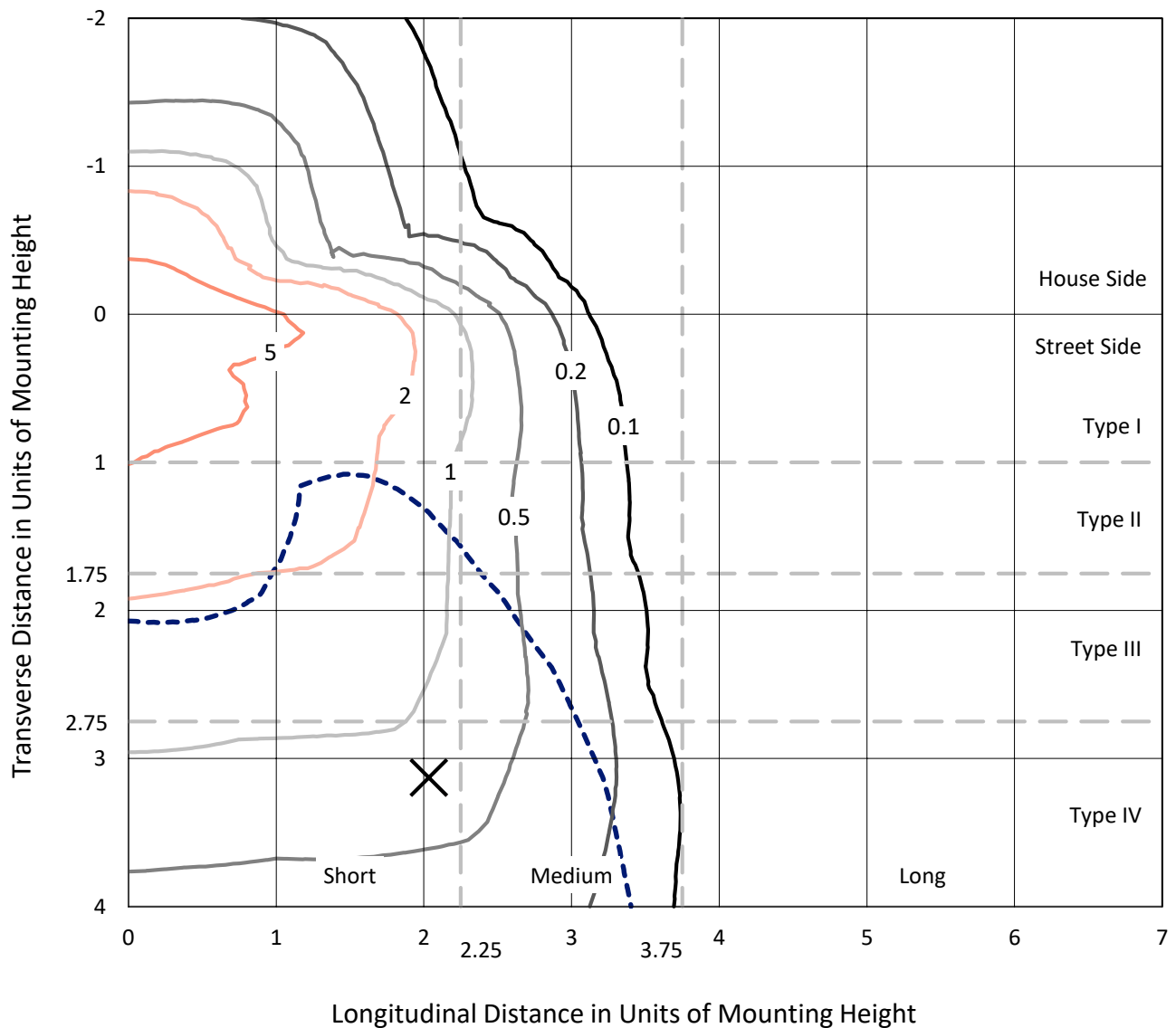
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

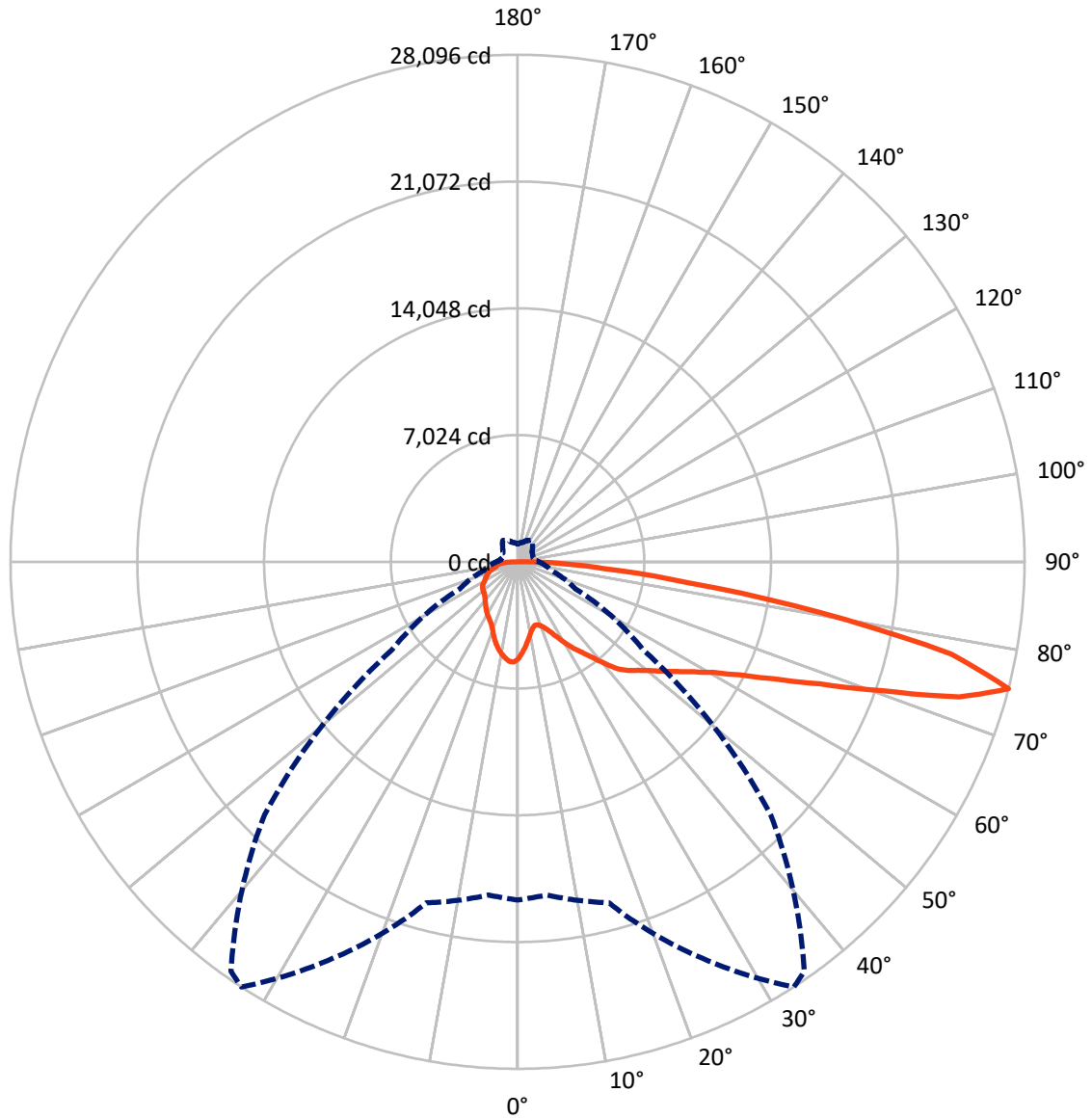
× Max cd
 - - - 1/2 Max cd



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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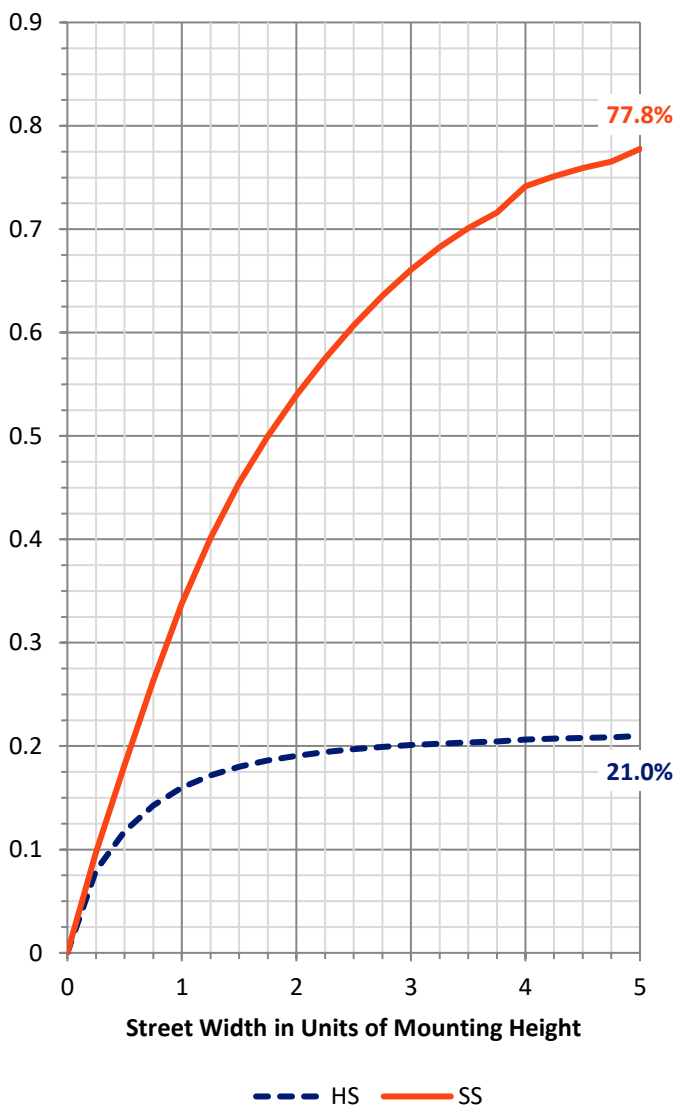
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7382.9	0.0	7382.9
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	27000.1	0.0	27000.1
	% Fixture	78.5	0.0	78.5
Total	Lumens	34383.0	0.0	34383.0
	% 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°	3201.6	9.3
40°-50°	4592.0	13.4
50°-60°	6304.1	18.3
60°-70°	7892.5	23.0
70°-80°	7139.9	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°	34383.0	100.0
0°-180°	34383.0	100.0

Coefficient of Utilization



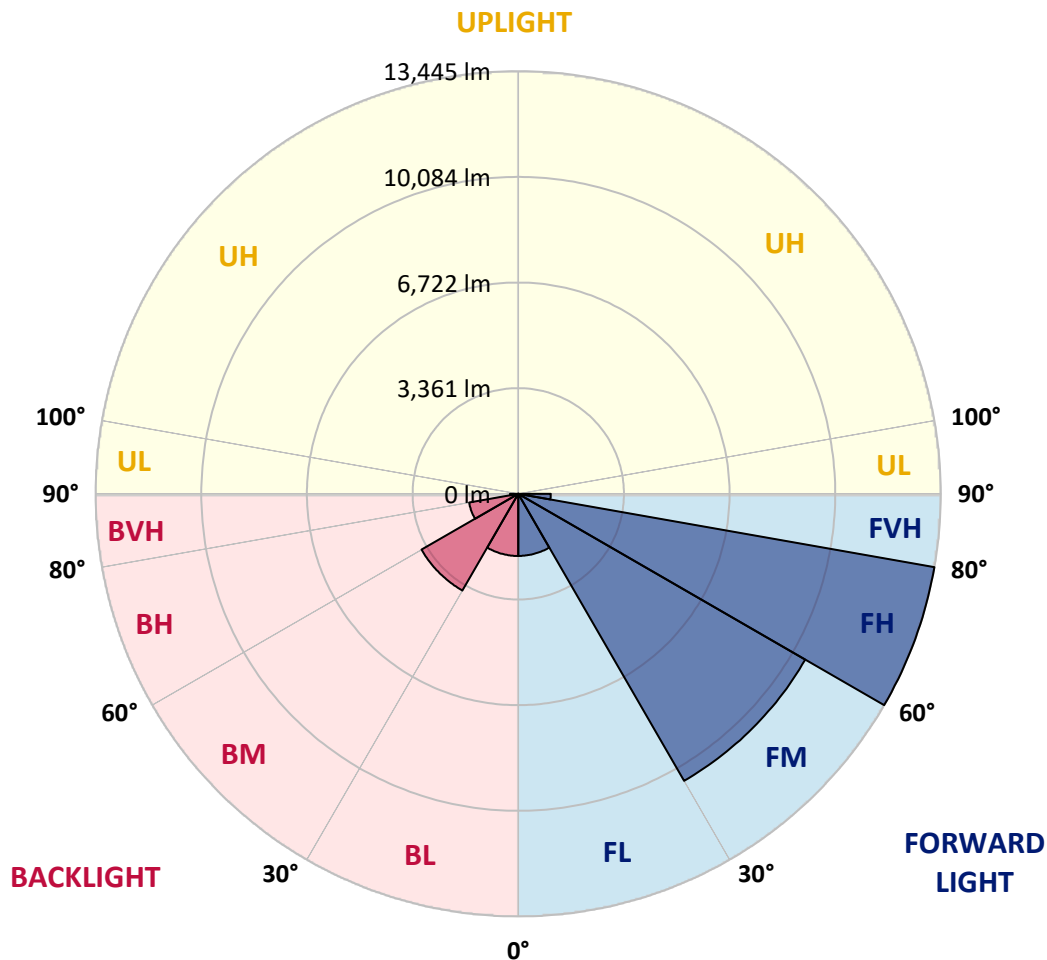
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1974.8	5.7			
FM (30°-60°)	10544.5	30.7			
FH (60°-80°)	13444.9	39.1			G5
FVH (80°-90°)	1035.8	3.0			G5
BL (0°-30°)	1977.5	5.8	B3/2500		
BM (30°-60°)	3553.2	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°	5374.3	5374.3	5374.3	5374.3	5374.3	5374.3	5374.3	5374.3	5374.3	5374.3	5374.3
2.5°	4990.6	4971.6	5007.3	5012.0	5042.9	5054.8	5097.5	5164.0	5218.7	5281.6	5338.6
5°	4538.1	4525.1	4574.9	4610.6	4678.3	4706.8	4807.7	4949.1	5075.0	5217.5	5346.9
7.5°	4108.2	4101.1	4156.9	4237.6	4316.0	4355.2	4529.8	4735.3	4945.5	5175.9	5374.3
10°	3745.9	3743.6	3797.0	3876.6	3991.8	4035.7	4261.4	4532.2	4826.7	5143.8	5420.6
12.5°	3542.9	3551.2	3576.1	3642.6	3749.5	3793.5	4044.1	4362.4	4727.0	5133.2	5488.3
15°	3592.7	3605.8	3563.0	3560.7	3636.7	3671.1	3906.3	4241.2	4655.7	5151.0	5586.9
17.5°	3805.3	3807.7	3694.9	3623.6	3669.9	3687.7	3863.5	4172.3	4614.1	5191.4	5710.4
20°	4104.6	4098.7	3899.2	3780.4	3805.3	3810.1	3924.1	4173.5	4610.6	5261.4	5870.7
22.5°	4501.3	4457.4	4189.0	4027.4	4021.5	4014.4	4079.7	4261.4	4662.8	5375.4	6061.9
25°	5019.1	4977.6	4608.2	4387.3	4339.8	4322.0	4331.5	4449.1	4766.2	5497.8	6275.7
27.5°	5595.2	5522.7	5166.4	4854.1	4755.5	4730.5	4673.5	4713.9	4879.0	5615.4	6529.9
30°	6077.4	6038.2	5727.0	5356.4	5240.0	5204.4	5054.8	5010.8	5041.7	5775.7	6850.5
32.5°	6347.0	6320.8	6132.0	5832.7	5724.6	5674.7	5463.3	5375.4	5303.0	6028.7	7285.2
35°	6673.6	6657.0	6542.9	6325.6	6165.3	6113.0	5949.1	5857.6	5671.2	6376.7	7847.0
37.5°	7089.3	7071.5	7073.8	6898.1	6706.8	6658.1	6550.1	6453.9	6148.6	6833.9	8457.5
40°	7559.6	7525.1	7512.1	7503.8	7382.6	7355.3	7298.3	7167.7	6747.2	7380.2	9059.6
42.5°	8267.4	8145.1	7883.8	7982.4	8102.4	8088.1	8134.4	7946.8	7412.3	8026.3	9647.5
45°	8950.4	8749.6	8298.3	8319.7	8582.2	8661.8	9008.6	8875.5	8133.2	8734.2	10255.6
47.5°	9261.5	9109.5	8725.9	8727.1	8987.2	9152.3	9912.4	9817.4	8891.0	9538.3	10997.9
50°	9609.5	9457.5	9113.1	9242.5	9469.4	9645.2	10785.3	10736.6	9611.9	10418.3	11887.5
52.5°	9989.6	9731.9	9513.3	9744.9	10063.2	10267.5	11659.5	11526.4	10273.4	11304.3	12910.1
55°	9994.3	9924.3	10090.5	10260.4	10736.6	10987.2	12575.2	12223.6	10812.6	12174.9	13742.7
57.5°	10563.2	10449.2	10802.0	10880.3	11502.7	11785.4	13486.1	12830.5	11361.4	12842.4	14191.6
60°	11316.2	11218.8	11507.4	11714.1	12450.5	12828.1	14458.8	13454.0	11792.5	13346.0	14170.2
62.5°	12616.7	12506.3	12502.7	12792.5	13784.2	14223.7	15550.3	14065.7	11963.5	13445.7	13565.7
65°	14520.6	14344.8	14013.4	14151.2	15626.3	16064.6	16770.1	14508.7	11737.8	12911.3	12008.6
67.5°	16373.4	16367.4	15960.1	16242.7	18058.7	18410.2	18159.6	14552.7	11033.6	11050.2	9246.1
70°	18220.2	18244.0	18175.1	19158.5	21345.0	21710.8	19639.5	13962.4	9450.4	7980.0	5539.3
72.5°	19683.4	19677.5	20024.3	22560.0	25610.0	25528.0	20886.6	12173.7	6785.2	4307.7	2647.3
75°	18735.7	18529.0	19562.3	24244.1	28095.8	27695.5	19826.0	8491.9	3521.5	1960.9	1425.2
77.5°	12220.0	12416.0	13932.7	20027.9	24575.5	24088.5	14545.5	3962.1	1659.2	1286.3	1033.3
80°	4425.3	4632.0	6523.9	11344.7	16931.6	16852.0	7162.9	1628.3	1122.4	971.5	753.0
82.5°	1522.6	1598.6	2573.7	5038.1	9559.6	9915.9	2694.8	925.2	815.9	688.9	515.5
85°	597.4	684.1	1177.0	2424.1	4822.0	4857.6	1091.5	553.5	567.7	451.3	282.7
87.5°	226.8	275.5	563.0	1125.9	2202.0	2022.6	390.7	263.7	323.0	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°	5374.3	5374.3	5374.3	5374.3	5374.3	5374.3	5374.3	5374.3	5374.3	5374.3	5374.3
2.5°	5382.6	5407.5	5459.8	5495.4	5533.4	5544.1	5548.8	5558.3	5567.8	5564.3	5565.5
5°	5415.8	5464.5	5548.8	5584.5	5601.1	5582.1	5545.3	5515.6	5494.2	5482.3	5478.8
7.5°	5470.5	5539.3	5629.6	5623.7	5585.7	5501.3	5406.3	5335.1	5275.7	5254.3	5242.4
10°	5542.9	5623.7	5686.6	5618.9	5508.5	5362.4	5219.9	5109.4	5020.3	4985.9	4979.9
12.5°	5635.5	5717.5	5729.4	5585.7	5402.8	5203.2	5009.6	4863.6	4730.5	4687.8	4678.3
15°	5755.5	5832.7	5759.1	5527.5	5272.1	5003.7	4753.1	4554.8	4414.6	4362.4	4343.3
17.5°	5881.4	5955.0	5765.0	5431.3	5101.1	4767.4	4452.6	4249.5	4089.2	4028.6	4021.5
20°	6032.2	6065.5	5740.1	5293.5	4865.9	4460.9	4129.6	3938.3	3852.8	3810.1	3805.3
22.5°	6218.7	6183.1	5683.1	5107.0	4567.8	4107.0	3837.4	3748.3	3726.9	3717.4	3721.0
25°	6415.9	6306.6	5598.7	4863.6	4191.3	3753.1	3623.6	3648.6	3677.1	3673.5	3673.5
27.5°	6633.2	6432.5	5469.3	4540.5	3774.4	3463.3	3478.7	3570.2	3612.9	3611.7	3610.5
30°	6912.3	6575.0	5304.2	4152.1	3384.9	3259.0	3352.8	3464.5	3522.7	3520.3	3521.5
32.5°	7255.5	6731.8	5079.7	3718.6	3103.4	3108.2	3216.2	3326.7	3394.4	3388.5	3389.6
35°	7657.0	6907.6	4775.7	3291.1	2916.9	2988.2	3073.7	3150.9	3215.1	3206.7	3198.4
37.5°	8094.0	7079.8	4371.9	2908.6	2764.9	2876.6	2947.8	2960.9	2990.6	2969.2	2953.8
40°	8509.7	7211.6	3851.6	2595.1	2611.7	2781.5	2827.9	2775.6	2722.2	2715.0	2693.7
42.5°	8872.0	7255.5	3325.5	2344.5	2450.2	2681.8	2710.3	2601.0	2504.8	2459.7	2440.7
45°	9254.4	7271.0	2835.0	2134.3	2294.6	2592.7	2623.6	2477.5	2342.1	2244.7	2212.6
47.5°	9754.4	7382.6	2453.7	1978.7	2175.8	2533.3	2577.3	2378.9	2203.1	2064.2	2034.5
50°	10408.8	7603.5	2143.8	1859.9	2098.6	2494.1	2544.0	2282.7	2089.1	1921.7	1892.0
52.5°	11135.7	7806.6	1893.2	1763.7	2023.8	2425.2	2501.3	2213.8	1982.2	1789.8	1757.8
55°	11644.0	7651.0	1691.3	1663.9	1926.4	2326.7	2441.9	2155.6	1829.0	1661.6	1633.1
57.5°	11741.4	7119.0	1538.0	1560.6	1808.8	2203.1	2350.4	2026.2	1745.9	1605.7	1576.1
60°	11475.4	6377.8	1424.0	1465.6	1682.9	2047.6	2179.4	1934.7	1666.3	1546.4	1521.4
62.5°	10806.7	5618.9	1339.7	1380.1	1565.4	1889.6	2072.5	1838.5	1585.6	1478.7	1453.7
65°	9456.3	4717.5	1258.9	1304.1	1456.1	1753.0	1976.3	1749.5	1506.0	1424.0	1400.3
67.5°	7138.0	3533.4	1182.9	1223.3	1358.7	1634.2	1871.8	1661.6	1428.8	1376.5	1348.0
70°	4203.2	2212.6	1096.2	1139.0	1256.6	1510.7	1760.1	1565.4	1332.6	1308.8	1272.0
72.5°	1956.1	1331.4	997.7	1039.2	1128.3	1345.6	1616.4	1439.5	1218.6	1166.3	1116.4
75°	1167.5	973.9	881.3	918.1	981.0	1169.9	1435.9	1311.2	1110.5	1041.6	989.3
77.5°	872.9	744.7	753.0	792.2	843.3	1023.8	1272.0	1210.2	1027.3	973.9	938.3
80°	628.3	565.3	614.0	656.8	710.2	931.1	1218.6	1118.8	928.8	857.5	824.3
82.5°	419.3	406.2	462.0	506.0	558.2	814.7	1144.9	979.8	793.4	703.1	629.5
85°	231.6	244.7	311.2	330.2	375.3	573.6	938.3	787.4	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)