

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: P317800

Luminaire Tested: **GAN-SA6B-750-U-T3R**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317800
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-750-U-T3R
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34945 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

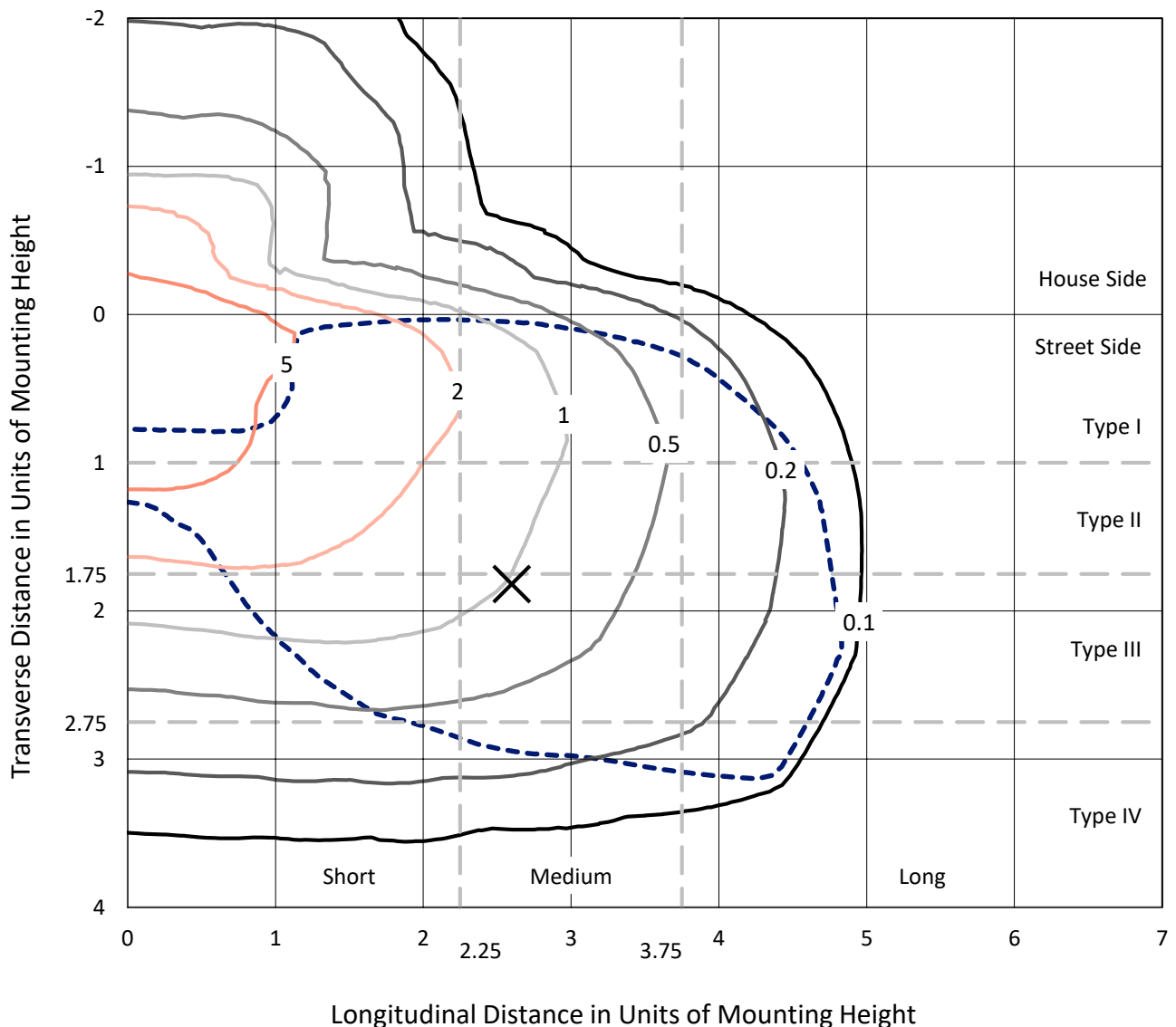
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

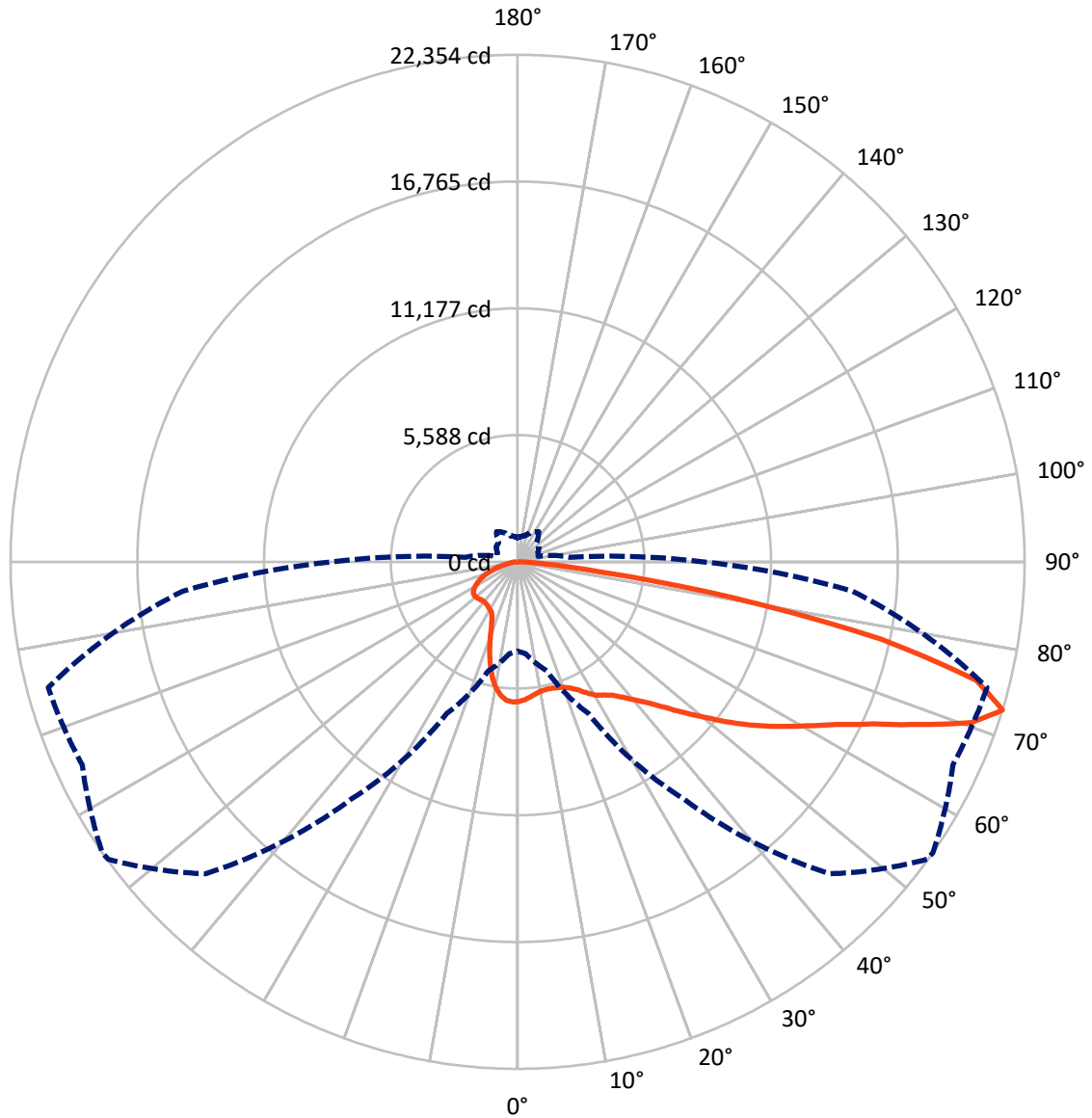
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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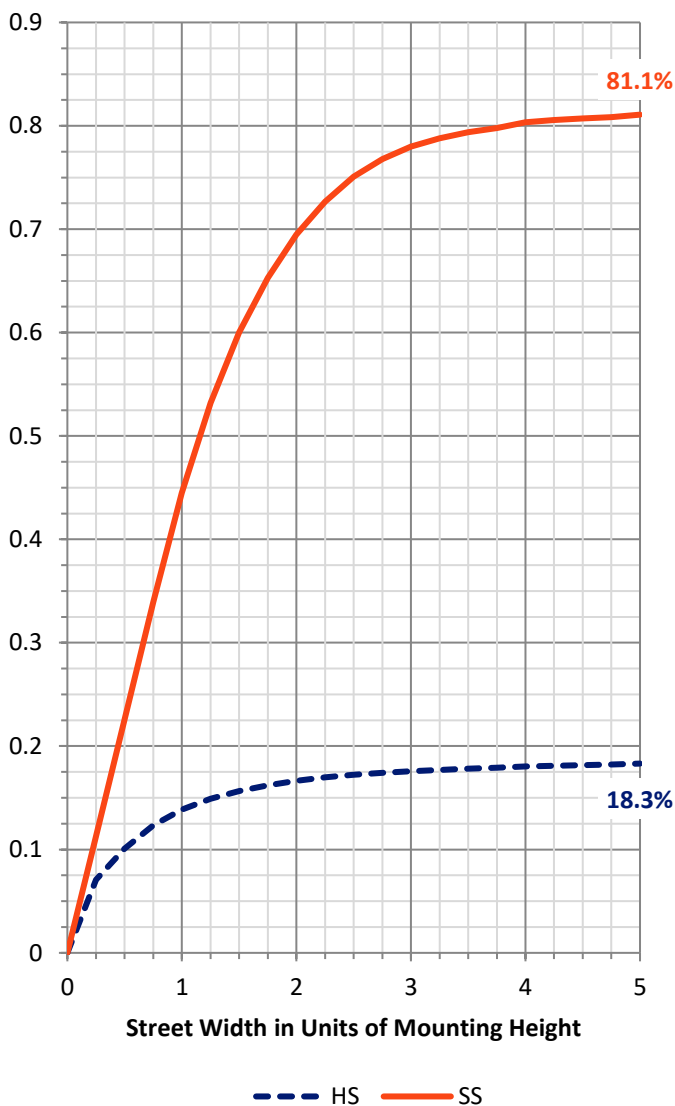
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6495.1	0.0	6495.1
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	28449.9	0.0	28449.9
	% Fixture	81.4	0.0	81.4
Total	Lumens	34945.0	0.0	34945.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	557.7	1.6
10°-20°	1484.9	4.2
20°-30°	2448.2	7.0
30°-40°	3621.5	10.4
40°-50°	5054.8	14.5
50°-60°	6581.6	18.8
60°-70°	8088.6	23.1
70°-80°	6340.4	18.1
80°-90°	767.3	2.2
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°	34945.0	100.0
0°-180°	34945.0	100.0

Coefficient of Utilization

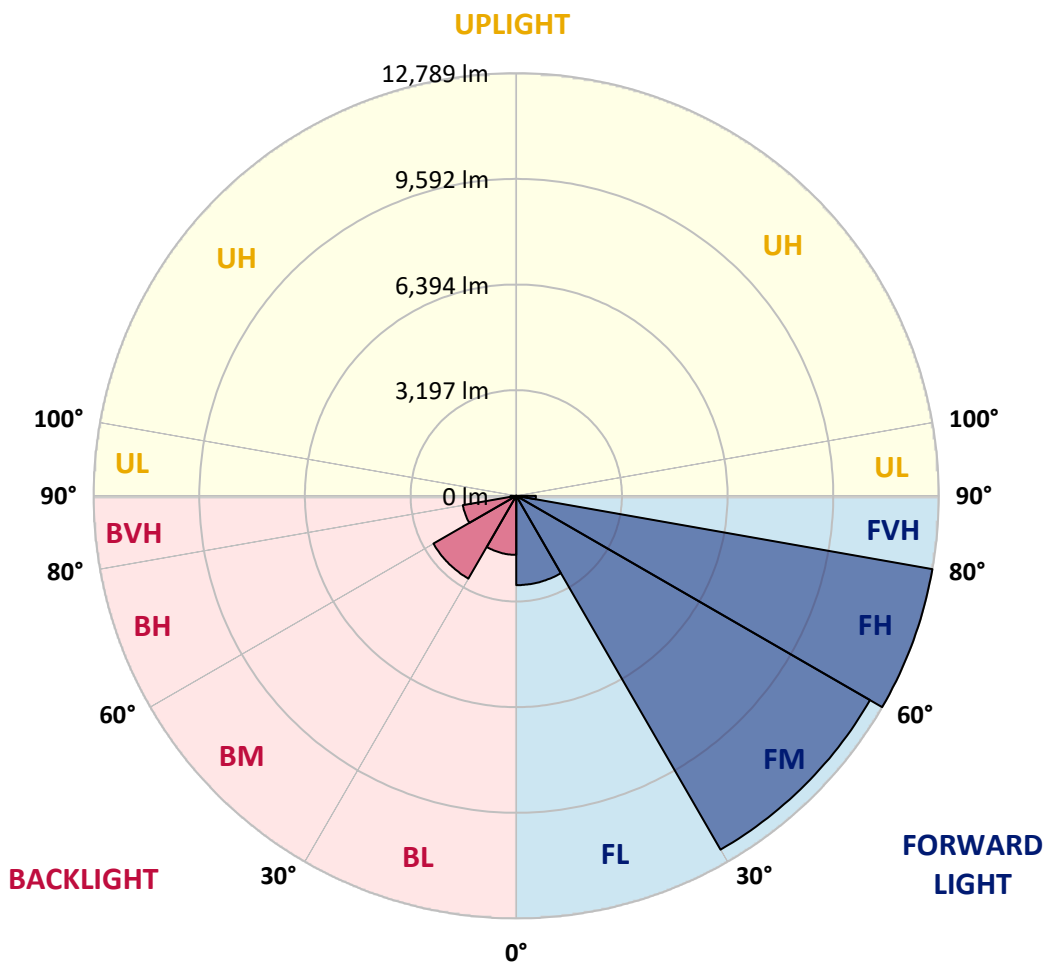


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2703.7	7.7			
FM (30°-60°)	12364.2	35.4			
FH (60°-80°)	12788.7	36.6			G5
FVH (80°-90°)	593.2	1.7			G4/750
BL (0°-30°)	1787.1	5.1	B3/2500		
BM (30°-60°)	2893.7	8.3	B3/5000		
BH (60°-80°)	1640.3	4.7	B3/2500		G3/2500
BVH (80°-90°)	174.1	0.5			G2/225
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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	6163.5	6163.5	6163.5	6163.5	6163.5	6163.5	6163.5	6163.5	6163.5	6163.5	6163.5
2.5°	5962.9	5948.7	5966.4	5991.2	6018.4	6055.0	6076.2	6085.6	6122.2	6136.4	6167.1
5°	5686.7	5679.6	5709.1	5751.6	5811.8	5896.8	5965.3	5978.2	6075.0	6143.5	6206.0
7.5°	5486.1	5486.1	5520.3	5571.0	5638.3	5752.8	5849.6	5867.3	6031.4	6178.9	6294.6
10°	5326.7	5332.6	5372.7	5432.9	5512.0	5633.6	5762.2	5782.3	6019.5	6261.5	6445.6
12.5°	5220.5	5234.6	5271.2	5325.5	5423.5	5571.0	5733.9	5761.1	6044.3	6379.5	6627.4
15°	5287.8	5311.4	5314.9	5337.3	5391.6	5552.1	5750.4	5778.8	6097.4	6499.9	6834.0
17.5°	5582.8	5591.1	5554.5	5507.3	5481.3	5584.0	5800.0	5829.5	6161.2	6619.1	7032.2
20°	6031.4	6026.6	5947.6	5820.1	5687.9	5704.4	5881.5	5912.1	6247.3	6724.2	7230.5
22.5°	6597.9	6581.4	6459.8	6224.9	5999.5	5905.1	6024.3	6050.2	6377.2	6874.1	7443.0
25°	7284.8	7248.2	7087.7	6772.6	6440.9	6197.8	6239.1	6263.9	6566.0	7041.7	7637.7
27.5°	8009.5	7973.0	7768.8	7387.5	6946.1	6567.2	6535.3	6556.6	6780.8	7165.6	7781.7
30°	8767.3	8728.3	8541.9	8114.6	7481.9	6949.6	6811.5	6819.8	6931.9	7232.9	7899.8
32.5°	9528.6	9492.0	9283.1	8787.4	8063.8	7360.4	7011.0	7000.4	7022.8	7302.5	8033.1
35°	10300.5	10314.7	10070.4	9521.5	8708.3	7817.2	7247.1	7224.6	7175.1	7445.4	8222.0
37.5°	11126.7	11117.3	10801.0	10227.3	9382.2	8312.9	7585.8	7582.3	7411.1	7715.6	8518.3
40°	11679.1	11685.0	11492.6	10949.7	10063.3	8861.7	8020.2	8011.9	7787.6	8120.5	8906.6
42.5°	11895.1	11934.1	11983.6	11639.0	10776.2	9497.9	8538.3	8526.5	8312.9	8701.2	9363.3
45°	11910.4	11988.3	12295.2	12251.6	11498.5	10226.2	9200.5	9167.4	9014.0	9473.1	9908.6
47.5°	11778.3	11858.5	12368.4	12616.3	12144.1	10994.5	9974.7	9948.8	9816.6	10438.6	10498.8
50°	11489.1	11565.8	12217.3	12794.5	12675.3	11733.4	10867.1	10798.6	10727.8	11554.0	11173.9
52.5°	10947.3	11094.9	12015.5	12837.0	12992.8	12389.6	11805.4	11760.5	11799.5	12730.8	11850.2
55°	9664.3	9829.6	11495.0	12801.6	13227.7	12940.9	12743.7	12741.4	12943.2	13965.4	12576.1
57.5°	8945.5	9062.4	10435.1	12741.4	13506.2	13488.5	13672.6	13695.1	14088.1	15309.7	13336.3
60°	8539.5	8662.2	9898.0	12518.3	13938.2	14196.7	14620.4	14665.3	15251.9	16798.1	14251.0
62.5°	8170.1	8304.6	9565.2	12063.9	14446.9	15209.4	15755.9	15796.0	16484.1	18327.8	15135.0
65°	7538.6	7690.9	9077.7	11765.3	14909.6	16530.2	17199.4	17226.5	17899.3	19930.6	15811.3
67.5°	6646.3	6785.6	8158.3	11105.5	15251.9	18134.2	19118.6	19133.9	19302.7	21062.5	16157.2
70°	5604.1	5657.2	6848.1	9743.4	14847.0	19634.4	21221.9	21225.4	20582.1	21787.2	16100.5
72.5°	3937.5	4062.6	4971.4	7375.7	12759.1	19451.4	22313.6	22353.8	21177.0	21421.3	14814.0
75°	2414.9	2547.1	3118.4	4469.8	8094.5	15297.9	20616.4	20894.9	20061.6	19099.7	12101.7
77.5°	1614.7	1664.2	2034.8	2606.1	3667.2	8801.5	15850.3	16374.4	16665.9	13928.8	7739.3
80°	900.6	995.0	1349.1	1619.4	1631.2	3497.2	9503.8	9626.6	9272.5	5546.2	2387.8
82.5°	476.8	528.8	900.6	951.3	889.9	1170.9	3542.1	3545.6	2962.6	1487.2	709.4
85°	369.4	413.1	617.3	580.7	454.4	519.3	1168.5	1232.2	1008.0	609.0	231.3
87.5°	184.1	229.0	419.0	368.3	178.2	148.7	417.8	446.2	397.8	238.4	83.8
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°	6163.5	6163.5	6163.5	6163.5	6163.5	6163.5	6163.5	6163.5	6163.5	6163.5	6163.5
2.5°	6178.9	6189.5	6202.5	6188.3	6183.6	6164.7	6132.9	6125.8	6109.3	6110.4	6119.9
5°	6233.2	6250.9	6243.8	6189.5	6124.6	6033.7	5939.3	5859.0	5805.9	5802.4	5798.8
7.5°	6337.1	6348.9	6293.4	6138.8	5957.0	5746.9	5548.6	5375.1	5270.1	5244.1	5238.2
10°	6499.9	6497.6	6345.3	6033.7	5671.4	5296.0	4977.3	4736.6	4596.1	4554.8	4544.2
12.5°	6681.7	6654.6	6363.0	5842.5	5267.7	4747.2	4343.5	4075.6	3929.2	3882.0	3870.2
15°	6869.4	6802.1	6319.3	5556.9	4772.0	4155.8	3732.1	3484.3	3405.2	3379.2	3374.5
17.5°	7044.1	6914.2	6194.2	5169.7	4206.6	3566.9	3236.4	3137.2	3156.1	3190.4	3191.5
20°	7215.2	6989.8	5993.6	4681.1	3610.5	3081.8	2969.6	3042.8	3132.5	3202.2	3211.6
22.5°	7384.0	7042.9	5735.1	4116.9	3077.1	2809.1	2888.2	3021.6	3124.3	3199.8	3212.8
25°	7525.6	7055.9	5378.6	3514.9	2706.4	2706.4	2849.3	2975.5	3077.1	3151.4	3164.4
27.5°	7577.6	6968.5	4875.8	2957.8	2519.9	2659.2	2795.0	2900.0	2986.2	3065.2	3079.4
30°	7597.6	6806.8	4295.1	2510.5	2443.2	2608.5	2721.8	2811.5	2892.9	2967.3	2980.3
32.5°	7601.2	6612.1	3679.0	2256.7	2390.1	2555.4	2630.9	2710.0	2797.3	2826.8	2831.5
35°	7623.6	6381.9	3029.8	2126.9	2340.5	2505.8	2566.0	2622.6	2481.0	2491.6	2501.1
37.5°	7688.5	6154.1	2486.9	2053.7	2308.7	2479.8	2551.8	2346.4	2235.5	2209.5	2206.0
40°	7810.1	5911.0	2084.4	1994.7	2296.9	2492.8	2460.9	2190.6	1999.4	1856.6	1835.4
42.5°	7978.9	5648.9	1827.1	1955.8	2305.1	2555.4	2334.6	2040.7	1723.2	1631.2	1619.4
45°	8168.9	5373.9	1687.8	1928.6	2333.5	2603.8	2308.7	1841.3	1594.6	1525.0	1519.1
47.5°	8353.0	5037.5	1615.8	1916.8	2372.4	2564.8	2198.9	1779.9	1533.2	1496.6	1500.2
50°	8564.3	4734.2	1572.2	1903.8	2406.6	2540.0	2075.0	1748.0	1509.6	1554.5	1601.7
52.5°	8742.5	4420.2	1533.2	1877.9	2419.6	2496.3	2043.1	1753.9	1509.6	1595.8	1640.6
55°	8953.8	4183.0	1488.4	1823.6	2394.8	2372.4	2020.7	1789.3	1527.3	1473.0	1477.7
57.5°	9226.4	4105.1	1438.8	1738.6	2312.2	2191.8	2010.1	1823.6	1516.7	1482.5	1494.3
60°	9604.1	4187.7	1418.7	1627.6	2183.6	2050.2	2011.2	1805.9	1442.3	1383.3	1384.5
62.5°	9964.1	4279.8	1417.5	1558.0	2025.4	1923.9	1984.1	1748.0	1404.6	1370.3	1383.3
65°	10082.2	4186.5	1360.9	1480.1	1847.2	1772.8	1934.5	1686.7	1376.2	1324.3	1321.9
67.5°	9924.0	3897.4	1246.4	1353.8	1643.0	1597.0	1869.6	1613.5	1331.4	1288.9	1281.8
70°	9454.2	3251.7	1104.8	1187.4	1410.5	1398.7	1766.9	1528.5	1271.2	1234.6	1203.9
72.5°	8190.1	2316.9	931.3	987.9	1148.4	1186.2	1625.3	1417.5	1186.2	1107.1	1059.9
75°	6726.6	1715.0	764.8	776.6	872.2	974.9	1430.5	1287.7	1085.9	951.3	914.7
77.5°	4119.3	1049.3	609.0	613.8	625.6	777.8	1177.9	1142.5	958.4	793.2	767.2
80°	1333.7	572.4	440.3	462.7	427.3	570.1	911.2	972.6	822.7	663.3	635.0
82.5°	507.5	334.0	297.4	312.8	296.3	382.4	664.5	779.0	674.0	545.3	443.8
85°	245.5	188.8	175.9	197.1	182.9	195.9	424.9	573.6	511.1	355.3	330.5
87.5°	87.3	83.8	67.3	90.9	77.9	69.6	129.8	289.2	337.6	244.3	218.4
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)