

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: P319408

Luminaire Tested: **GAN-SA4C-750-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319408
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-SA4C-750-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5000K, 1050mA 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: 27950 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

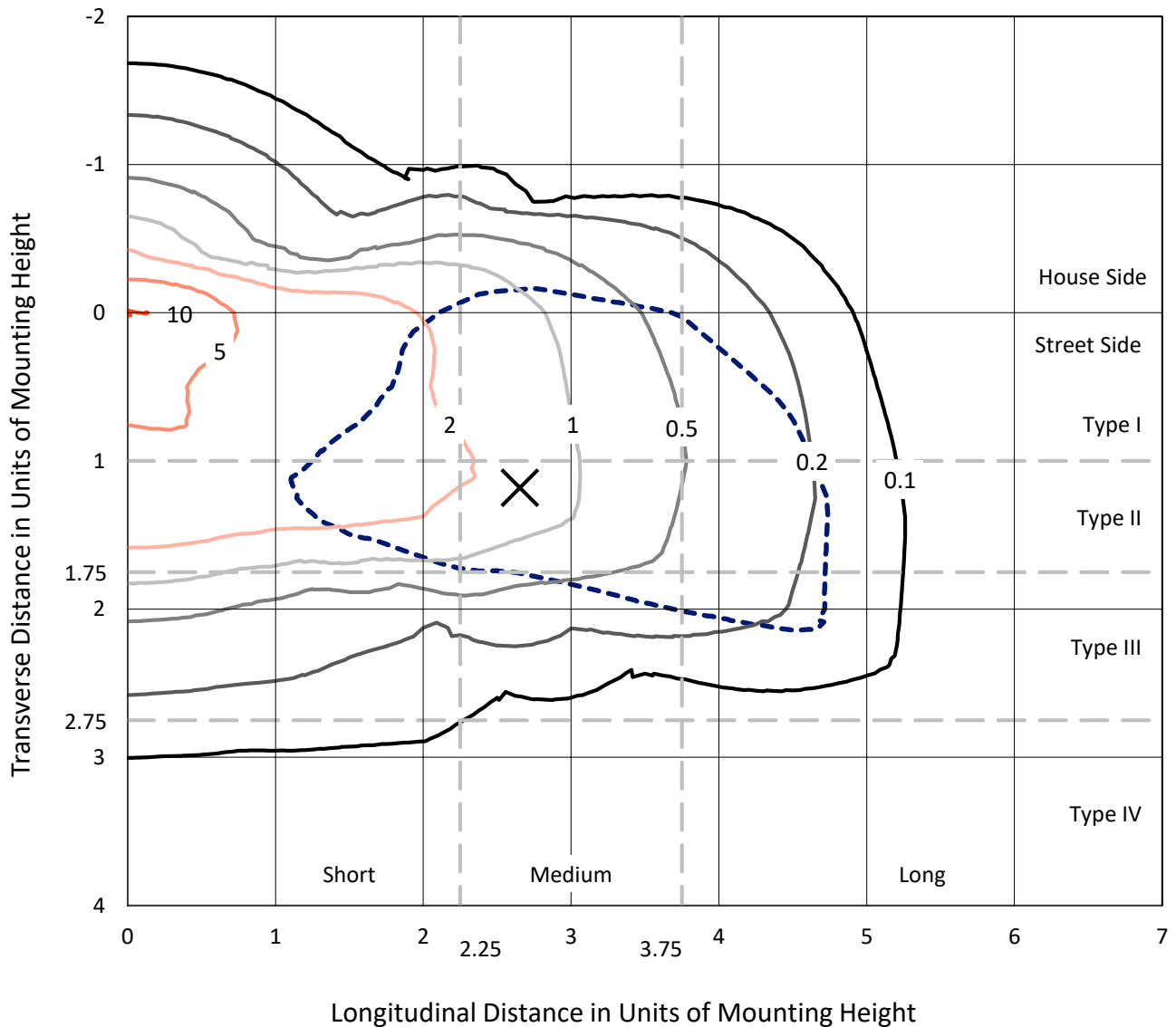
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

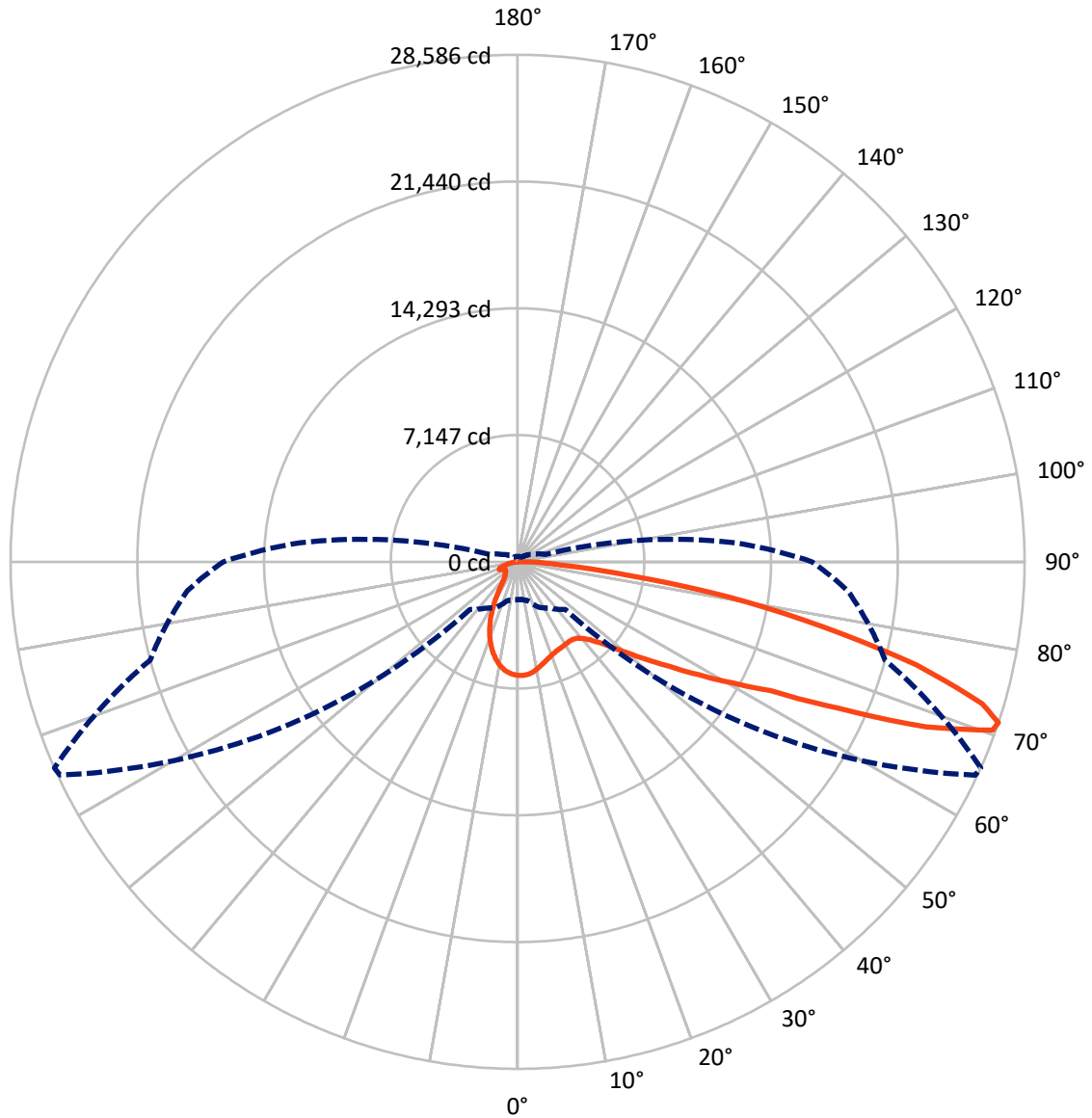
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 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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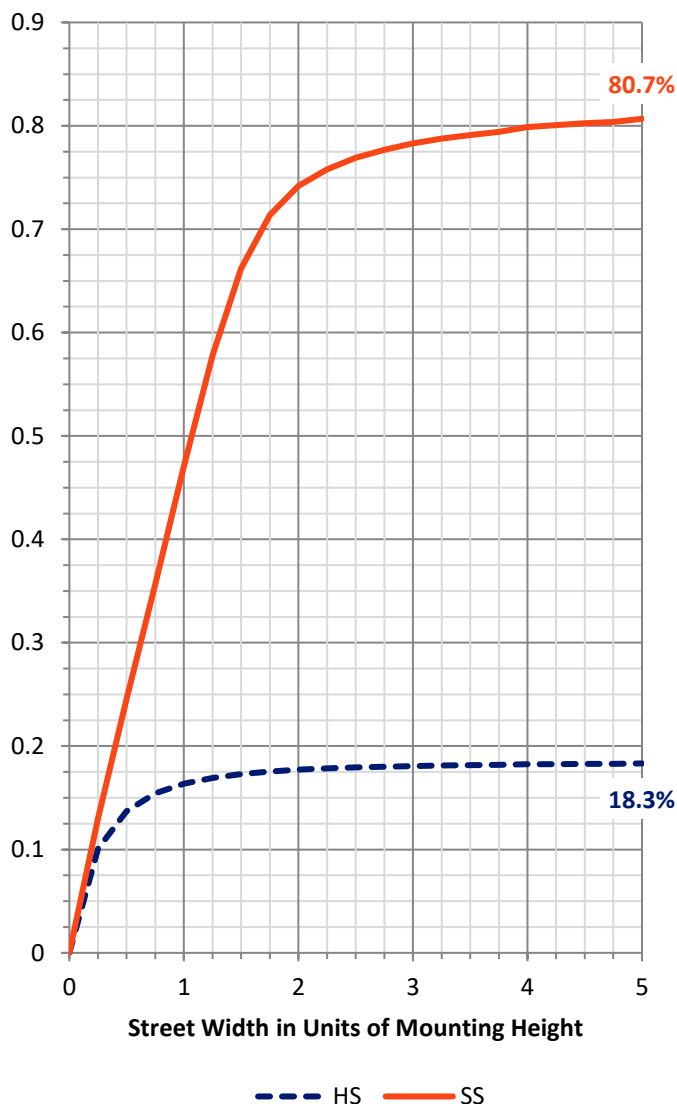
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5179.9	0.0	5179.9
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	22770.1	0.0	22770.1
	% Fixture	81.5	0.0	81.5
Total	Lumens	27950.0	0.0	27950.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	563.6	2.0
10°-20°	1351.8	4.8
20°-30°	1815.7	6.5
30°-40°	2388.6	8.5
40°-50°	3474.8	12.4
50°-60°	5428.0	19.4
60°-70°	6799.4	24.3
70°-80°	5186.4	18.6
80°-90°	941.8	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°	27950.0	100.0
0°-180°	27950.0	100.0

Coefficient of Utilization

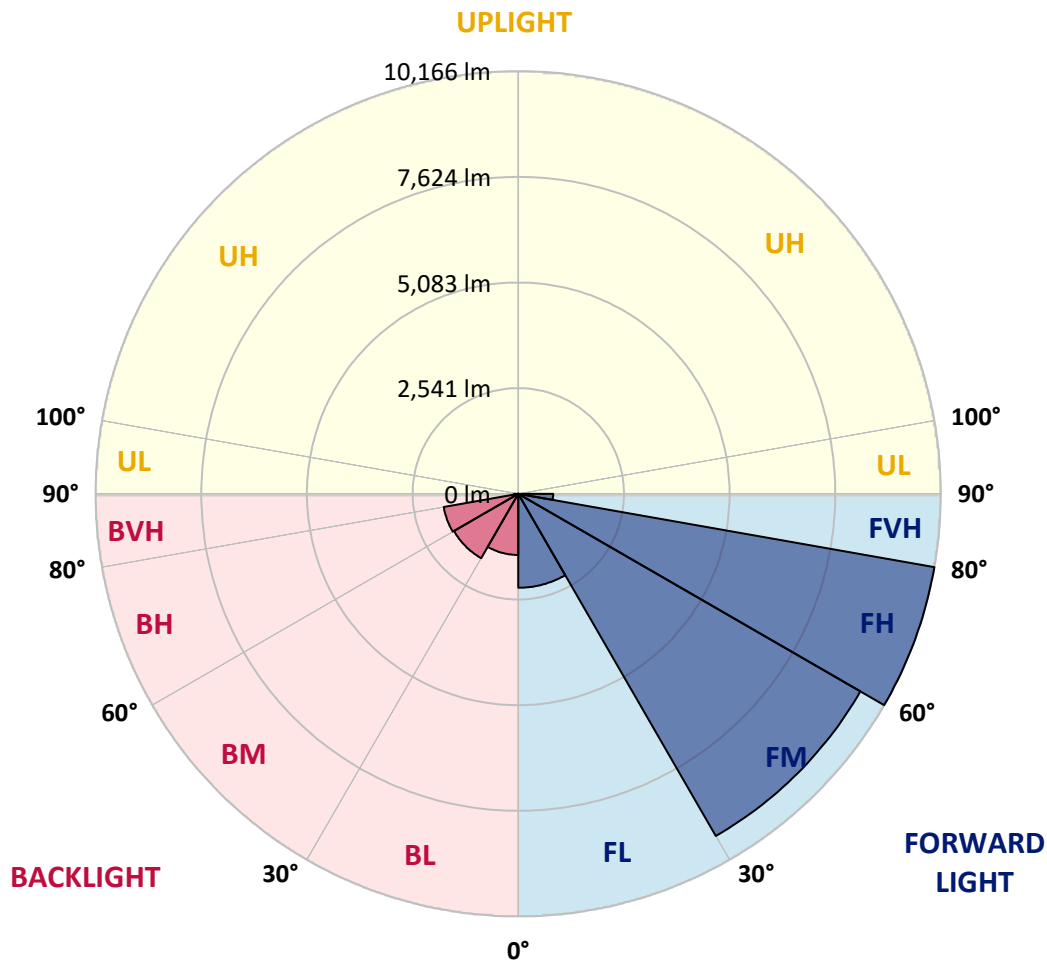


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2260.1	8.1			
FM (30°-60°)	9504.4	34.0			
FH (60°-80°)	10165.7	36.4			G4/12000
FVH (80°-90°)	839.8	3.0			G5
BL (0°-30°)	1471.0	5.3	B3/2500		
BM (30°-60°)	1786.9	6.4	B2/2500		
BH (60°-80°)	1820.1	6.5	B3/2500		G3/2500
BVH (80°-90°)	101.9	0.4			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	6402.8	6402.8	6402.8	6402.8	6402.8	6402.8	6402.8	6402.8	6402.8	6402.8	6402.8
2.5°	6284.1	6274.5	6303.4	6333.3	6344.9	6364.2	6393.2	6409.6	6408.6	6411.5	6401.8
5°	5867.2	5854.7	5912.6	5959.9	6050.6	6152.9	6277.4	6366.1	6368.1	6418.2	6431.8
7.5°	5472.5	5463.9	5530.4	5606.7	5711.9	5868.2	6069.9	6260.9	6272.5	6408.6	6455.9
10°	5156.0	5154.1	5218.7	5301.7	5424.3	5599.0	5830.6	6110.4	6127.8	6362.3	6459.7
12.5°	4909.0	4912.8	4968.8	5063.4	5192.7	5375.1	5626.0	5941.5	5969.5	6288.9	6437.5
15°	4726.6	4742.0	4787.4	4882.9	5010.3	5195.6	5453.2	5785.2	5827.7	6206.9	6425.0
17.5°	4622.4	4639.7	4671.6	4750.7	4870.4	5048.9	5293.0	5656.9	5695.5	6144.2	6426.0
20°	4591.5	4606.0	4624.3	4672.6	4773.9	4936.0	5166.6	5541.1	5582.6	6094.0	6435.6
22.5°	4652.3	4662.9	4664.8	4661.0	4722.7	4854.9	5075.0	5456.1	5500.5	6061.2	6442.4
25°	4782.6	4797.0	4786.4	4750.7	4730.5	4811.5	5027.7	5400.2	5444.6	6037.1	6428.9
27.5°	4978.5	4980.4	4971.7	4925.4	4829.8	4816.3	5013.2	5367.4	5409.8	6009.1	6400.9
30°	5244.8	5257.3	5241.9	5179.2	5022.8	4893.5	5030.6	5335.5	5374.1	5973.4	6355.5
32.5°	5556.5	5587.4	5586.4	5520.8	5296.9	5066.3	5102.0	5316.2	5346.1	5935.7	6300.5
35°	5879.8	5922.2	6001.4	5973.4	5696.4	5339.4	5239.0	5347.1	5367.4	5930.9	6261.9
37.5°	6215.6	6258.1	6421.1	6496.4	6172.2	5730.2	5455.2	5456.1	5465.8	5989.8	6259.0
40°	6566.9	6612.2	6857.3	7053.2	6788.8	6225.2	5803.5	5683.9	5673.3	6134.5	6316.0
42.5°	7059.0	7099.5	7393.9	7643.8	7473.0	6859.3	6285.1	6035.1	6012.9	6418.2	6498.3
45°	7681.4	7716.2	8028.8	8296.1	8208.3	7583.0	6890.1	6518.6	6514.7	6891.1	6867.9
47.5°	8421.6	8448.6	8729.4	8988.1	9019.9	8415.8	7650.6	7264.6	7201.8	7539.6	7440.2
50°	9192.6	9222.5	9413.6	9691.5	9928.0	9530.4	8629.1	8178.4	8094.5	8395.5	8250.8
52.5°	9703.1	9742.7	9908.7	10260.9	10948.9	10752.1	9786.1	9286.2	9158.9	9432.9	9321.9
55°	9475.4	9564.2	9818.0	10382.5	11765.3	12618.4	11213.4	10578.4	10434.6	10662.3	10596.7
57.5°	8439.9	8561.5	8908.0	9779.4	11880.2	14262.8	13371.1	12100.2	11998.9	11933.2	11963.2
60°	6547.6	6664.3	7093.7	8229.6	11080.2	15463.2	16618.3	13976.2	13829.5	13209.0	13236.0
62.5°	4634.0	4575.1	4869.4	5700.3	9003.5	15604.1	20313.3	16485.2	16002.7	14556.1	14437.4
65°	3533.8	3520.3	3652.5	3917.0	5453.2	13918.3	22514.5	20702.2	19948.6	16140.7	15860.8
67.5°	2903.7	2879.6	3009.8	3394.9	3511.7	8979.4	22562.8	25594.8	24854.7	18113.1	17507.1
70°	2387.4	2360.4	2482.0	2979.0	3245.3	4553.9	18989.4	28459.9	28420.3	20610.6	18750.0
71°	2140.4	2121.1	2266.8	2818.8	3188.4	3795.4	16395.4	28467.6	28586.3	21455.9	18676.7
72.5°	1742.8	1749.6	1904.0	2509.0	3145.9	3351.5	12050.0	27140.7	27391.6	22261.7	18009.9
75°	1158.0	1163.8	1366.4	1930.0	3050.4	3279.1	6622.8	22774.1	23235.4	21779.2	16434.0
77.5°	777.8	775.9	913.9	1324.0	2657.6	3279.1	3883.2	17033.3	17539.9	17329.5	12669.5
80°	535.6	531.7	629.2	913.9	2012.0	3318.6	3002.1	11937.1	12090.5	9358.6	5149.3
82.5°	328.1	331.0	411.1	645.6	1369.3	2986.7	2834.2	6509.0	6342.0	2624.8	1286.4
85°	188.2	187.2	262.5	437.1	879.1	2520.6	2763.8	2801.4	2569.8	790.3	465.1
87.5°	67.6	72.4	140.9	242.2	503.7	1755.3	2345.0	1457.2	1313.4	357.1	210.4
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°	6402.8	6402.8	6402.8	6402.8	6402.8	6402.8	6402.8	6402.8	6402.8	6402.8	6402.8
2.5°	6395.1	6400.9	6394.1	6355.5	6322.7	6269.6	6239.7	6198.2	6185.7	6179.9	6195.3
5°	6419.2	6421.1	6364.2	6262.9	6149.0	6014.9	5918.4	5799.7	5743.7	5719.6	5735.0
7.5°	6441.4	6432.7	6308.2	6114.3	5903.9	5670.4	5462.9	5272.8	5161.8	5116.5	5120.3
10°	6444.3	6407.6	6207.9	5907.8	5581.6	5239.0	4920.6	4627.2	4441.9	4321.3	4358.0
12.5°	6414.4	6352.6	6060.2	5640.5	5187.9	4720.8	4290.4	3850.4	3586.0	3463.4	3467.3
15°	6391.2	6279.3	5878.8	5325.9	4717.9	4099.3	3511.7	2994.4	2712.6	2587.2	2528.3
17.5°	6371.9	6200.2	5668.4	4971.7	4163.0	3378.5	2672.1	2210.8	2056.4	2019.8	2004.3
20°	6344.9	6116.2	5433.9	4561.6	3531.0	2571.7	1951.2	1723.5	1724.5	1766.9	1772.7
22.5°	6307.3	6020.7	5184.0	4101.3	2852.6	1873.1	1529.5	1463.9	1530.5	1611.6	1626.0
25°	6251.3	5907.8	4906.1	3592.7	2175.1	1439.8	1306.6	1303.7	1384.8	1469.7	1482.2
27.5°	6172.2	5760.1	4597.3	3046.5	1602.9	1223.6	1170.6	1190.8	1250.6	1312.4	1317.2
30°	6066.0	5588.3	4256.6	2470.4	1256.4	1089.5	1083.7	1102.0	1138.7	1182.1	1186.0
32.5°	5949.3	5413.7	3892.8	1912.6	1076.0	1017.1	1022.9	1031.6	1049.0	1066.3	1070.2
35°	5843.1	5235.1	3520.3	1453.3	990.1	969.8	966.0	964.0	966.0	960.2	961.1
37.5°	5774.6	5087.5	3132.4	1157.0	940.9	928.3	916.8	902.3	885.9	876.2	878.2
40°	5749.5	4977.5	2739.6	999.7	900.3	891.7	869.5	838.6	819.3	813.5	813.5
42.5°	5817.0	4920.6	2360.4	920.6	866.6	852.1	815.4	779.7	765.2	764.3	763.3
45°	6023.6	4943.7	1999.5	877.2	835.7	807.7	759.5	729.5	719.9	721.8	720.9
47.5°	6394.1	5089.4	1690.7	848.2	804.8	768.1	714.1	690.0	678.4	678.4	679.4
50°	7024.3	5430.1	1444.6	824.1	778.8	731.5	681.3	651.4	635.9	635.0	635.0
52.5°	7942.0	6040.0	1291.2	803.8	749.8	698.7	648.5	610.8	592.5	588.7	586.7
55°	9092.3	6914.3	1248.7	790.3	711.2	663.0	608.9	571.3	551.0	542.3	541.4
57.5°	10378.6	7977.7	1332.7	773.9	671.6	620.5	565.5	529.8	508.6	497.9	497.0
60°	11680.4	9138.6	1675.2	750.8	638.8	574.2	521.1	488.3	467.1	455.5	453.6
62.5°	12984.1	10362.2	2374.9	748.8	615.7	529.8	475.7	447.8	427.5	415.0	412.1
65°	14454.8	11701.6	3170.0	800.0	608.0	489.3	429.4	407.2	389.9	378.3	377.3
67.5°	16143.6	13213.8	3093.8	905.2	634.0	452.6	386.0	368.6	356.1	346.4	345.5
70°	16935.8	12977.4	1923.3	979.5	670.7	416.9	344.5	332.0	322.3	315.6	312.7
71°	16603.9	12322.1	1612.5	970.8	666.8	401.4	328.1	318.5	308.8	303.0	300.1
72.5°	15698.7	11237.5	1345.2	903.2	623.4	373.5	306.9	297.2	288.5	281.8	279.9
75°	14087.1	10036.0	1076.9	721.8	497.0	315.6	269.2	258.6	251.9	248.0	244.1
77.5°	10355.5	7162.3	832.8	570.3	365.7	257.7	229.7	222.0	215.2	209.4	206.5
80°	3967.1	2774.4	560.7	425.6	268.3	203.6	185.3	181.4	174.7	170.8	170.8
82.5°	1068.3	828.9	299.2	257.7	179.5	148.6	141.9	139.9	134.1	126.4	127.4
85°	432.3	365.7	167.9	141.9	110.0	87.8	95.5	96.5	89.7	80.1	81.1
87.5°	190.1	155.4	93.6	62.7	48.3	33.8	43.4	43.4	39.6	32.8	29.9
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)