

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: P319670

Luminaire Tested: **GAN-SA6A-740-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319670
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-740-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27874 lumens
Efficiency: N/A
Efficacy: 144.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

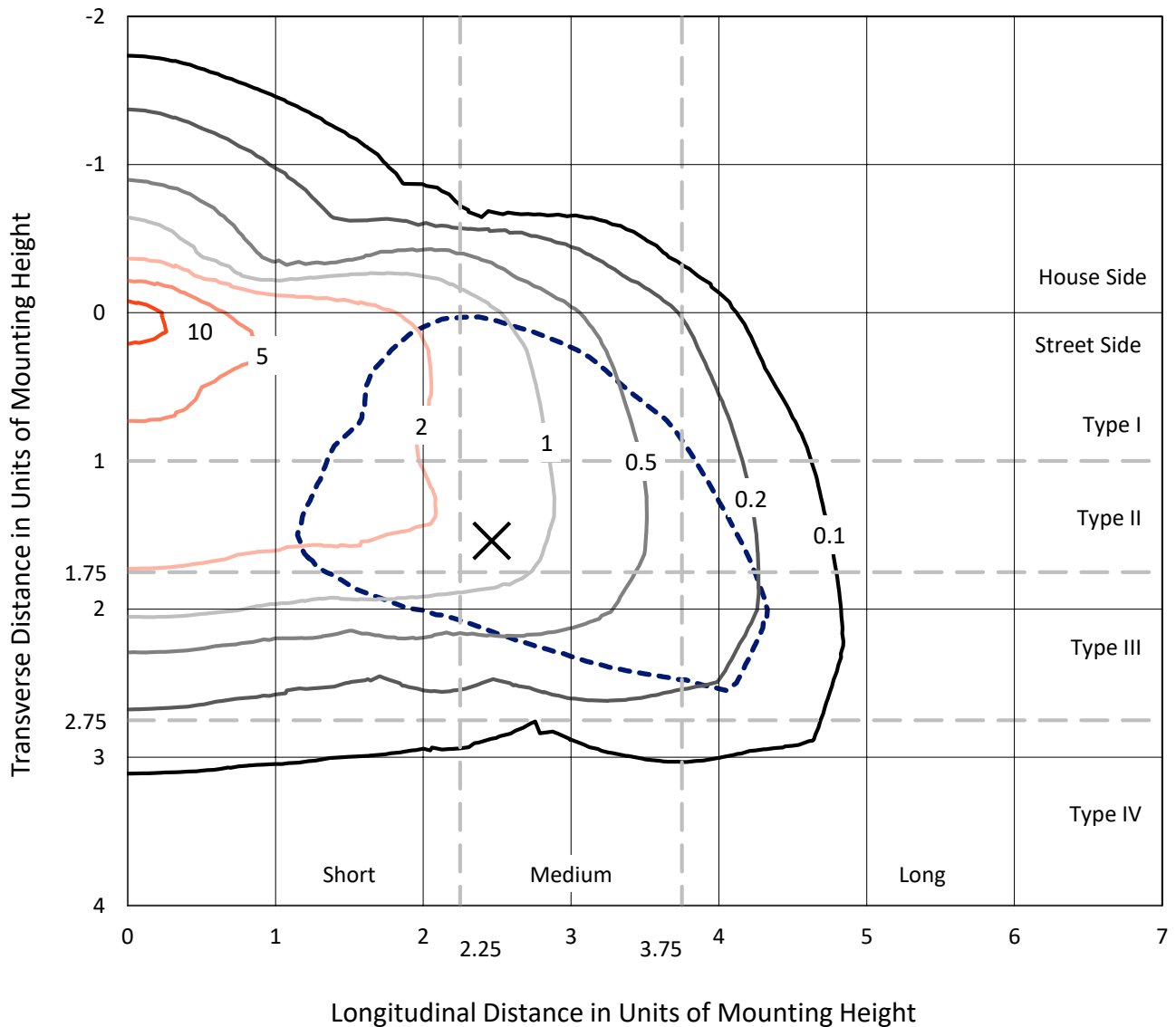
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P319670
 CATALOG NUMBER: GAN-SA6A-740-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

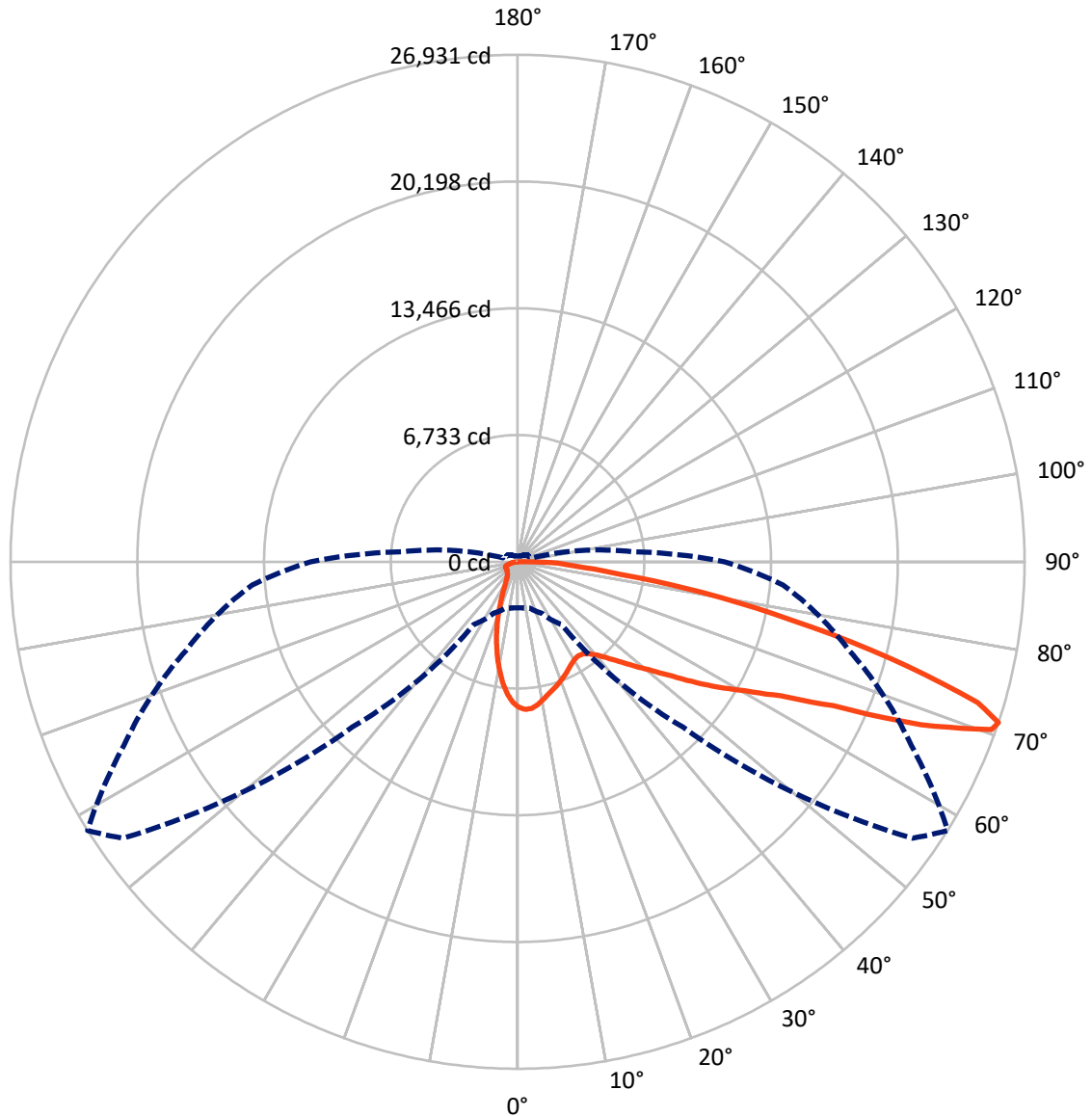
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P319670
CATALOG NUMBER: GAN-SA6A-740-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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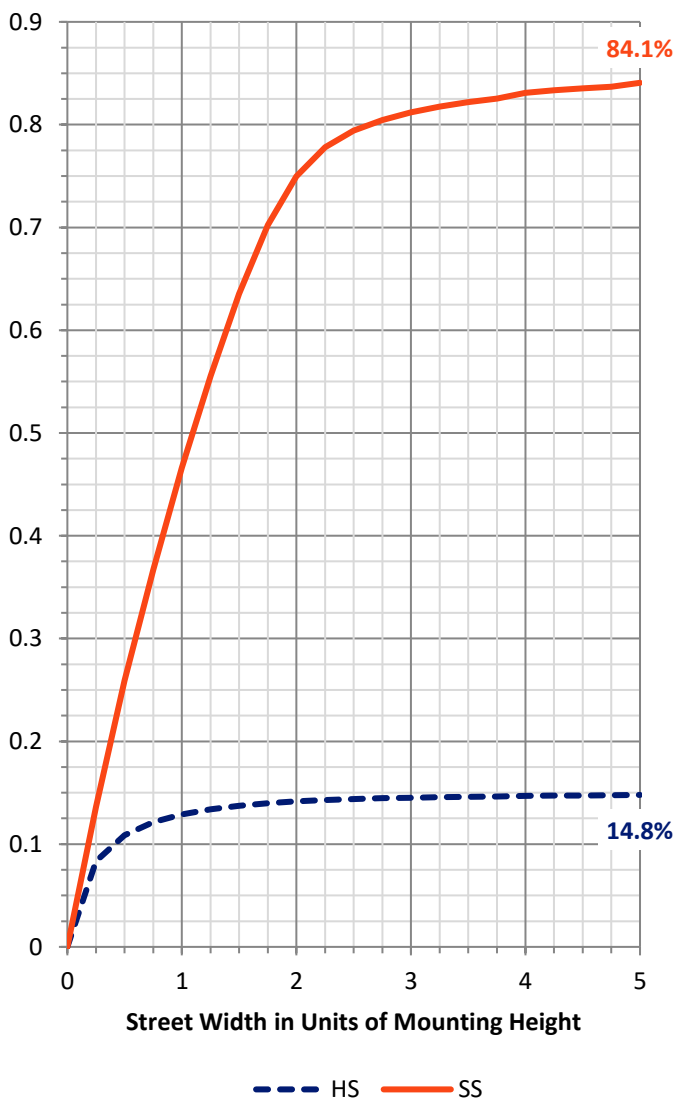
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4167.4	0.0	4167.4
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	23706.6	0.0	23706.6
	% Fixture	85.0	0.0	85.0
Total	Lumens	27874.0	0.0	27874.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	666.3	2.4
10°-20°	1481.5	5.3
20°-30°	1882.8	6.8
30°-40°	2398.4	8.6
40°-50°	3401.0	12.2
50°-60°	5263.2	18.9
60°-70°	7165.1	25.7
70°-80°	4780.0	17.1
80°-90°	835.7	3.0
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°	27874.0	100.0
0°-180°	27874.0	100.0

Coefficient of Utilization

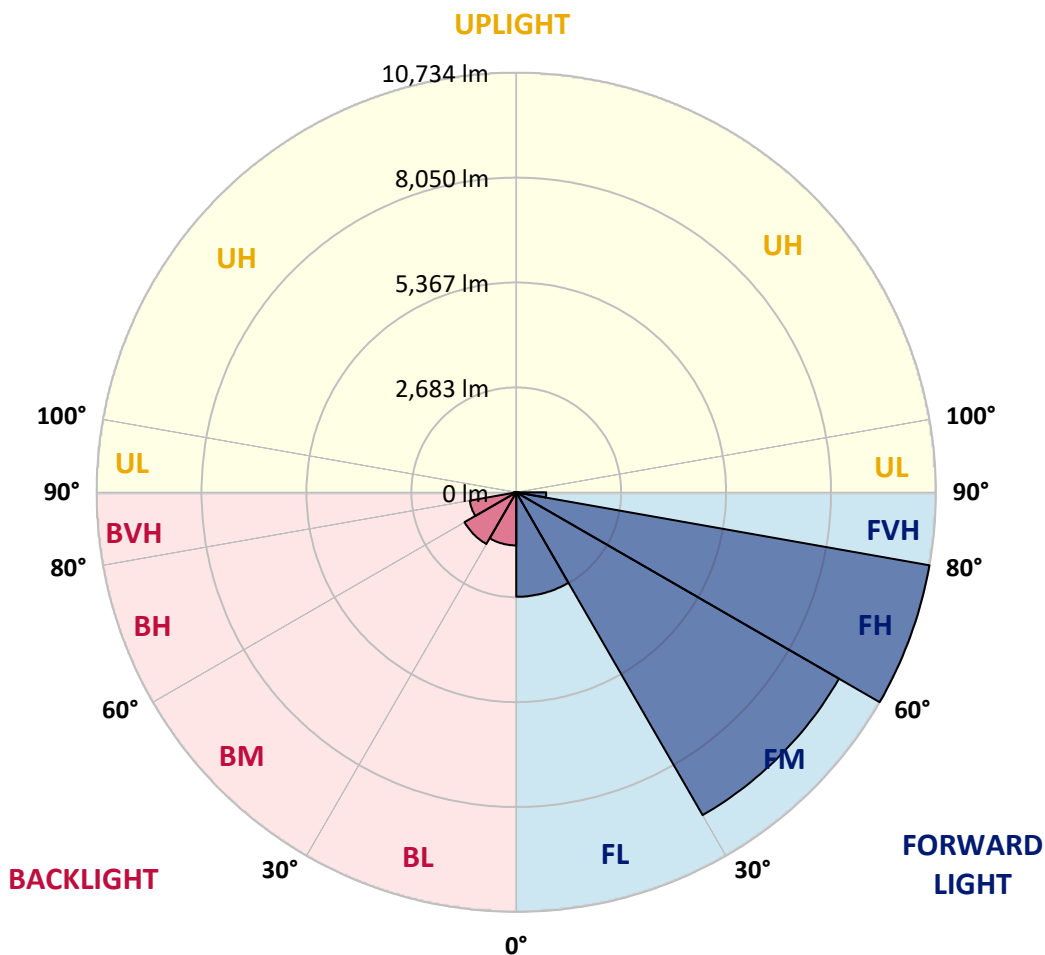


REPORT NUMBER: P319670
 CATALOG NUMBER: GAN-SA6A-740-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2672.2	9.6			
FM (30°-60°)	9534.3	34.2			
FH (60°-80°)	10733.9	38.5			G4/12000
FVH (80°-90°)	766.3	2.7			G5
BL (0°-30°)	1358.4	4.9	B3/2500		
BM (30°-60°)	1528.3	5.5	B2/2500		
BH (60°-80°)	1211.2	4.3	B3/2500		G3/2500
BVH (80°-90°)	69.4	0.2			G1/100
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°	58°	65°	75°	85°
0°	7723.0	7723.0	7723.0	7723.0	7723.0	7723.0	7723.0	7723.0	7723.0	7723.0	7723.0
2.5°	7927.8	7917.2	7921.0	7913.3	7894.8	7876.4	7849.2	7854.0	7816.2	7759.9	7689.9
5°	7778.3	7774.4	7803.6	7820.1	7833.7	7823.0	7815.2	7824.9	7769.6	7691.9	7570.5
7.5°	7464.7	7422.0	7458.9	7514.2	7566.6	7606.4	7658.9	7665.7	7630.7	7549.2	7389.9
10°	7019.0	6978.2	7032.6	7119.0	7223.9	7319.0	7424.9	7444.3	7451.1	7377.3	7184.1
12.5°	6556.8	6525.8	6580.1	6701.5	6875.3	7021.9	7190.9	7220.0	7280.2	7230.7	6993.8
15°	6143.2	6131.6	6197.6	6317.0	6517.0	6741.3	6985.0	7038.4	7140.4	7123.9	6845.2
17.5°	5785.9	5783.0	5833.5	5958.7	6180.1	6463.6	6780.2	6870.5	7021.9	7041.4	6722.9
20°	5519.9	5514.0	5549.0	5641.2	5869.4	6190.8	6558.8	6683.1	6901.5	6969.5	6596.7
22.5°	5377.1	5376.2	5377.1	5420.8	5607.3	5906.3	6343.2	6494.7	6784.0	6912.2	6456.8
25°	5352.9	5350.0	5328.6	5323.7	5429.6	5668.4	6129.6	6296.6	6672.4	6872.4	6323.8
27.5°	5416.0	5419.9	5391.7	5346.1	5367.4	5512.1	5944.2	6122.8	6583.1	6864.6	6231.6
30°	5547.1	5545.1	5520.8	5473.3	5431.5	5453.8	5812.1	5990.8	6522.9	6898.6	6168.5
32.5°	5691.7	5702.4	5697.6	5671.3	5609.2	5519.9	5772.3	5947.1	6505.4	6980.2	6141.3
35°	5865.5	5877.2	5912.1	5932.5	5859.7	5716.0	5857.8	6009.2	6555.9	7133.6	6185.0
37.5°	6030.6	6060.7	6158.8	6245.2	6183.0	6022.8	6085.0	6192.7	6712.2	7375.4	6302.5
40°	6220.9	6247.1	6407.3	6590.8	6581.1	6415.1	6451.0	6522.9	6987.9	7722.0	6515.1
42.5°	6408.3	6460.7	6692.8	6953.0	7027.8	6881.1	6938.4	6976.3	7376.3	8181.3	6886.0
45°	6657.8	6714.1	7036.5	7350.1	7524.9	7442.4	7533.6	7548.2	7864.7	8806.5	7424.9
47.5°	7035.5	7099.6	7475.4	7804.5	8071.5	8080.3	8230.8	8224.9	8474.5	9522.1	8103.6
50°	7623.9	7716.2	8024.0	8331.7	8656.0	8836.6	9037.6	9009.5	9205.6	10284.3	8885.2
52.5°	8394.9	8437.6	8665.8	8893.0	9295.9	9700.8	9989.2	9963.9	10034.8	11067.9	9772.6
55°	9194.0	9226.0	9320.2	9444.5	9986.3	10646.5	11256.3	11216.5	11036.8	11881.6	10649.4
57.5°	9912.5	9977.5	10042.6	10094.0	10681.5	11634.9	12552.5	12555.4	12124.3	12759.3	11555.3
60°	10024.1	10081.4	10511.5	10917.4	11870.9	12953.5	13940.0	13910.8	13249.6	13711.8	12565.1
62.5°	8860.9	8990.1	9708.6	10788.3	13016.6	15365.3	15710.0	15674.1	14595.4	14885.7	13740.9
65°	6350.0	6496.6	7363.7	8986.2	12461.2	18022.8	18904.5	18420.9	16430.5	16329.5	15117.7
67.5°	3663.4	3698.4	4074.1	5377.1	9488.2	18161.7	23777.7	23100.9	19280.2	17967.5	15791.6
70°	2709.0	2708.0	2797.3	3309.0	5134.4	14822.6	26095.3	26702.2	22280.5	18506.4	14839.1
71°	2449.7	2452.6	2552.6	3011.9	4066.4	12406.8	25603.1	26931.3	23070.8	18240.3	14149.7
72.5°	2095.3	2105.0	2243.9	2701.2	3420.7	8556.0	23482.5	25556.5	23445.6	17584.0	13071.0
75°	1589.5	1611.8	1804.0	2276.9	3126.5	4339.2	17234.4	20407.5	20827.9	15515.8	9712.4
77.5°	1134.1	1159.3	1376.8	1914.7	2972.1	3270.2	11541.7	14885.7	15327.5	9943.5	4380.9
80°	716.6	746.7	910.8	1523.4	2792.5	3105.1	7253.0	10005.7	8358.0	3181.8	1114.7
82.5°	420.4	443.7	565.1	995.2	2280.8	2990.5	4267.3	5546.1	3252.7	961.2	506.8
85°	243.7	254.4	352.5	634.0	1656.4	2822.6	3135.2	3100.3	1411.8	469.9	239.8
87.5°	113.6	126.2	208.8	331.1	919.5	2045.8	2477.9	2141.0	877.7	220.4	112.6
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°	7723.0	7723.0	7723.0	7723.0	7723.0	7723.0	7723.0	7723.0	7723.0	7723.0	7723.0
2.5°	7656.0	7639.5	7570.5	7509.4	7445.3	7361.8	7269.5	7257.9	7201.6	7212.2	7192.8
5°	7504.5	7462.7	7296.7	7146.2	6968.5	6809.3	6636.5	6556.8	6442.3	6434.5	6405.4
7.5°	7288.0	7210.3	6953.0	6667.5	6382.1	6110.2	5841.3	5664.5	5483.9	5407.2	5400.4
10°	7044.3	6912.2	6533.5	6111.2	5699.5	5302.4	4917.9	4633.4	4377.1	4255.7	4250.8
12.5°	6813.2	6618.0	6098.6	5523.8	4960.6	4446.0	3918.8	3544.9	3223.6	3115.8	3070.2
15°	6617.0	6342.3	5675.2	4940.2	4256.7	3542.0	2942.0	2548.8	2251.6	2148.7	2129.3
17.5°	6426.7	6073.3	5241.2	4350.8	3524.6	2739.1	2138.0	1845.8	1687.5	1645.8	1644.8
20°	6237.4	5796.6	4787.8	3747.9	2816.7	2048.7	1643.8	1512.7	1459.3	1454.5	1446.7
22.5°	6022.8	5503.4	4311.0	3143.0	2198.2	1610.8	1397.2	1344.8	1338.0	1355.5	1355.5
25°	5821.8	5212.1	3827.5	2550.7	1709.8	1343.8	1247.7	1237.0	1255.4	1286.5	1289.4
27.5°	5634.4	4931.5	3355.6	2024.4	1370.0	1183.6	1143.8	1156.4	1189.4	1225.3	1226.3
30°	5480.1	4666.4	2897.3	1595.3	1157.4	1064.2	1057.4	1082.6	1118.5	1146.7	1153.5
32.5°	5360.6	4440.2	2454.6	1282.6	1018.5	974.8	980.7	1002.0	1024.4	1039.9	1050.6
35°	5305.3	4246.0	2045.8	1081.6	930.2	905.9	913.7	925.3	935.0	946.7	955.4
37.5°	5315.0	4095.5	1680.7	956.4	870.9	858.3	858.3	858.3	858.3	864.1	865.1
40°	5405.3	4009.1	1383.6	876.8	831.1	817.5	806.9	797.2	789.4	793.3	791.3
42.5°	5636.4	4001.3	1166.1	826.3	799.1	776.8	755.4	741.8	732.1	736.0	737.9
45°	6028.6	4098.4	1019.5	790.4	769.0	735.0	707.8	693.3	686.5	699.1	701.0
47.5°	6536.5	4310.1	930.2	764.1	740.8	696.2	667.0	653.5	655.4	673.8	678.7
50°	7190.9	4653.8	887.5	747.6	721.4	663.2	633.1	621.4	627.2	653.5	659.3
52.5°	7909.4	5149.0	892.3	742.8	708.8	638.9	606.8	593.3	603.0	627.2	632.1
55°	8738.6	5744.2	972.9	749.6	690.3	623.4	585.5	562.2	569.9	592.3	596.2
57.5°	9660.0	6425.8	1135.0	747.6	667.0	608.8	563.2	528.2	534.0	547.6	551.5
60°	10619.3	7249.1	1386.5	753.5	656.4	591.3	533.1	489.4	487.4	499.1	501.0
62.5°	11770.9	8201.6	1673.9	757.3	663.2	569.0	493.2	450.5	444.7	447.6	449.6
65°	12957.4	8891.0	1566.1	741.8	684.5	550.5	458.3	412.7	402.0	400.0	401.0
67.5°	12994.3	8152.1	1098.1	710.7	693.3	540.8	432.1	380.6	363.1	356.3	355.4
70°	11653.4	6622.9	855.4	677.7	658.3	525.3	407.8	354.4	328.2	317.5	316.5
71°	10999.0	6096.6	810.7	661.2	632.1	509.8	397.1	342.7	315.6	303.9	302.0
72.5°	9972.7	5465.5	756.4	635.0	581.6	469.9	376.7	326.2	298.1	284.5	281.6
75°	7156.9	3574.1	649.6	566.1	481.6	374.8	330.1	293.2	269.0	252.4	250.5
77.5°	2757.5	1422.4	491.3	470.9	369.0	293.2	271.9	253.4	235.9	219.4	218.5
80°	852.5	636.0	358.3	354.4	267.0	218.5	211.7	206.8	200.0	182.5	178.7
82.5°	455.4	365.1	246.6	229.1	174.8	145.6	153.4	155.4	156.3	137.9	135.9
85°	217.5	193.2	138.8	130.1	102.0	81.6	94.2	102.0	102.9	84.5	78.6
87.5°	103.9	101.0	65.1	49.5	37.9	27.2	33.0	40.8	44.7	32.0	28.2
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)