

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: P319690

Luminaire Tested: **GAN-SA6C-740-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319690
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-SA6C-740-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 1050mA 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: 42307 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

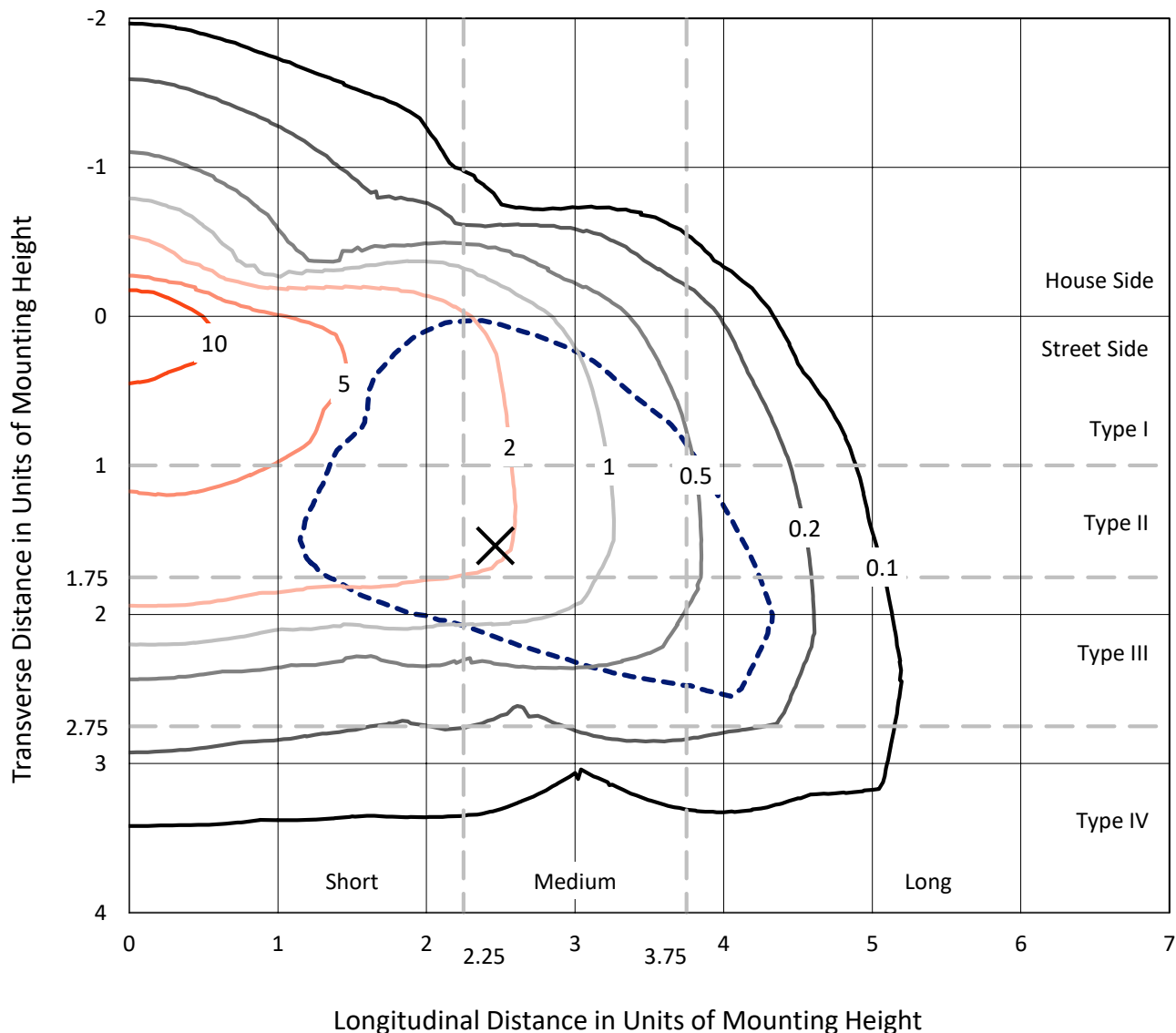
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

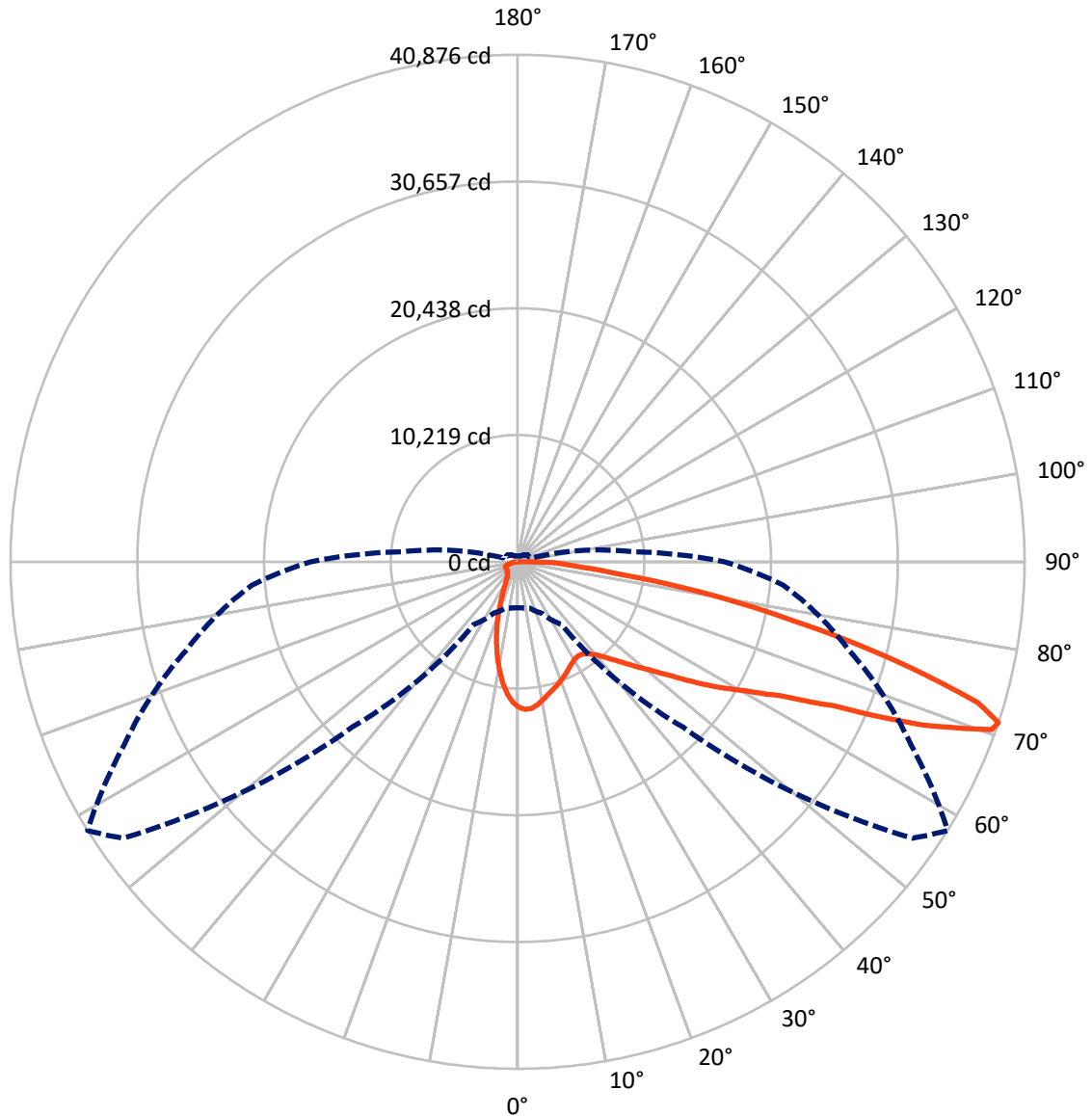
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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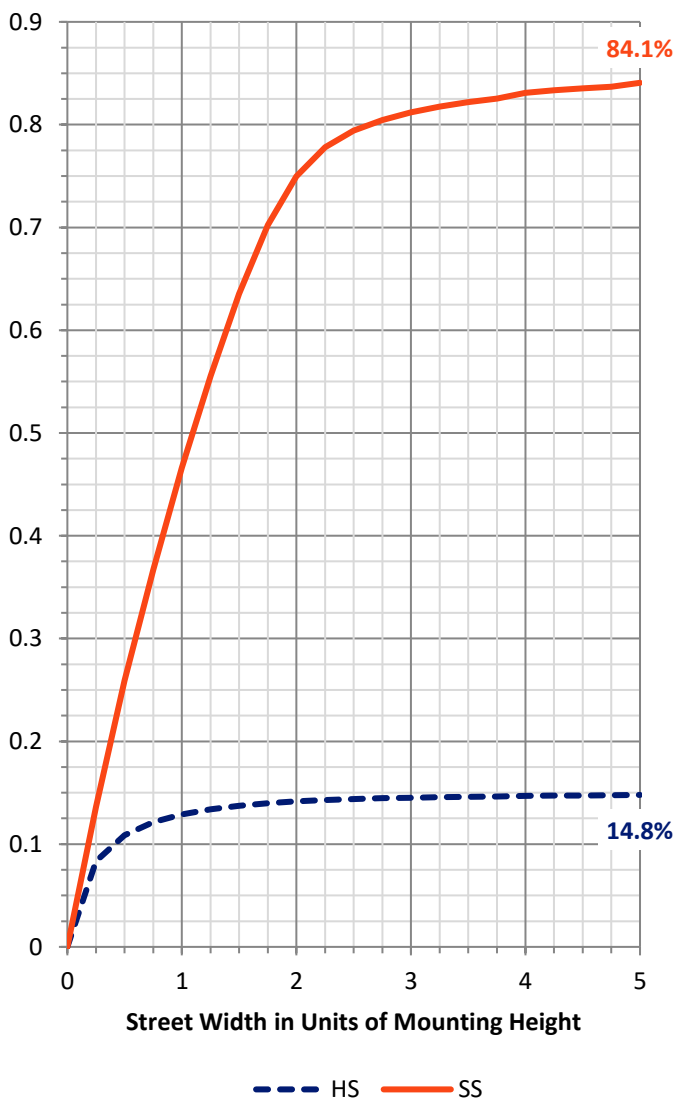
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6325.2	0.0	6325.2
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	35981.8	0.0	35981.8
	% Fixture	85.0	0.0	85.0
Total	Lumens	42307.0	0.0	42307.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1011.2	2.4
10°-20°	2248.6	5.3
20°-30°	2857.8	6.8
30°-40°	3640.2	8.6
40°-50°	5162.0	12.2
50°-60°	7988.4	18.9
60°-70°	10875.2	25.7
70°-80°	7255.0	17.1
80°-90°	1268.4	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°	42307.0	100.0
0°-180°	42307.0	100.0

Coefficient of Utilization

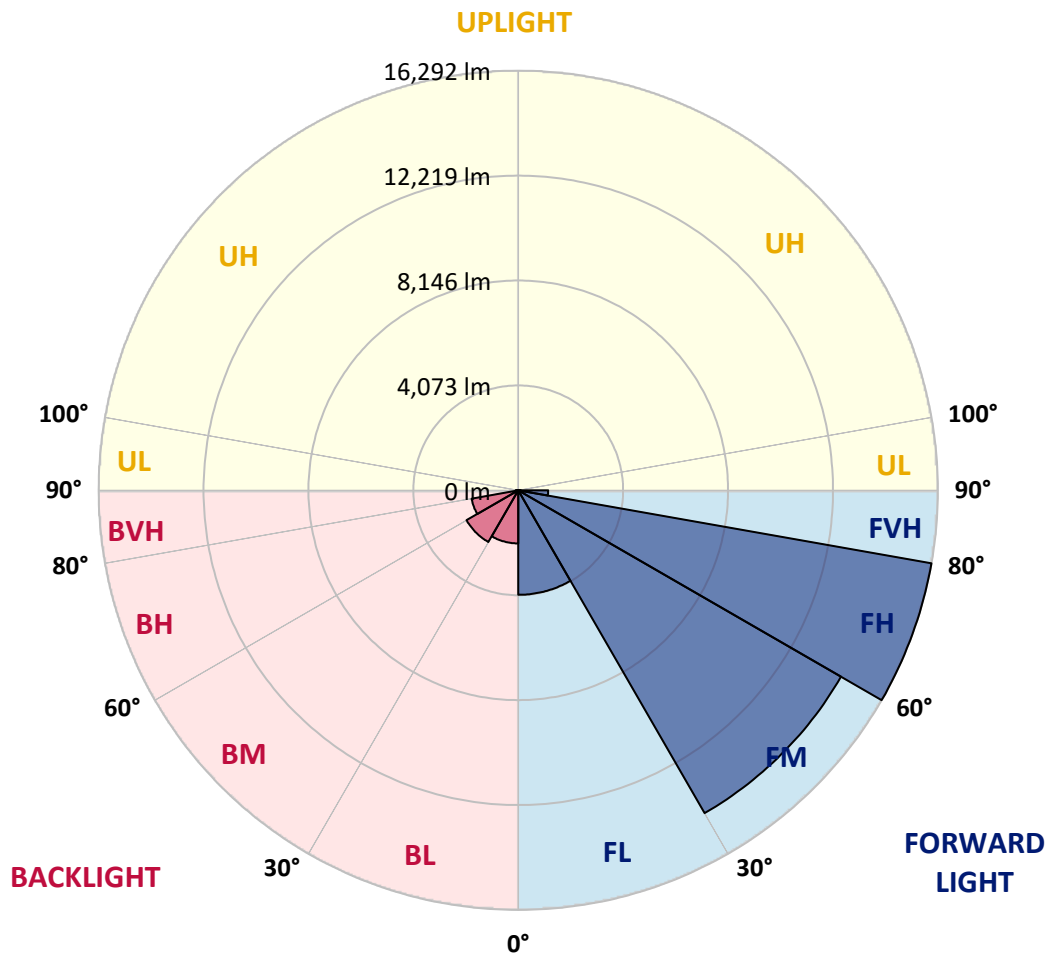


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4055.8	9.6			
FM (30°-60°)	14471.0	34.2			
FH (60°-80°)	16291.9	38.5			G5
FVH (80°-90°)	1163.0	2.7			G5
BL (0°-30°)	2061.8	4.9	B3/2500		
BM (30°-60°)	2319.6	5.5	B2/2500		
BH (60°-80°)	1838.4	4.3	B3/2500		G3/2500
BVH (80°-90°)	105.4	0.2			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°	58°	65°	75°	85°
0°	11721.9	11721.9	11721.9	11721.9	11721.9	11721.9	11721.9	11721.9	11721.9	11721.9	11721.9
2.5°	12032.8	12016.6	12022.5	12010.7	11982.7	11954.7	11913.4	11920.8	11863.3	11777.9	11671.8
5°	11805.9	11800.0	11844.2	11869.2	11889.9	11873.7	11861.9	11876.6	11792.6	11674.7	11490.5
7.5°	11329.9	11265.0	11321.0	11405.0	11484.6	11545.0	11624.6	11634.9	11581.9	11458.1	11216.4
10°	10653.4	10591.5	10674.1	10805.2	10964.4	11108.8	11269.4	11298.9	11309.2	11197.2	10904.0
12.5°	9951.9	9904.8	9987.3	10171.5	10435.3	10657.9	10914.3	10958.5	11049.9	10974.7	10615.1
15°	9324.1	9306.5	9406.7	9587.9	9891.5	10231.9	10601.8	10682.9	10837.6	10812.6	10389.6
17.5°	8781.8	8777.4	8854.0	9044.1	9380.1	9810.5	10290.9	10428.0	10657.9	10687.3	10203.9
20°	8378.0	8369.2	8422.2	8562.2	8908.6	9396.4	9954.9	10143.5	10475.1	10578.3	10012.4
22.5°	8161.4	8159.9	8161.4	8227.7	8510.7	8964.6	9627.7	9857.6	10296.8	10491.3	9800.2
25°	8124.5	8120.1	8087.7	8080.3	8241.0	8603.5	9303.5	9557.0	10127.3	10430.9	9598.3
27.5°	8220.3	8226.2	8183.5	8114.2	8146.7	8366.2	9022.0	9293.2	9991.7	10419.1	9458.3
30°	8419.3	8416.3	8379.5	8307.3	8243.9	8277.8	8821.6	9092.8	9900.4	10470.7	9362.5
32.5°	8638.9	8655.1	8647.7	8607.9	8513.6	8378.0	8761.2	9026.5	9873.8	10594.5	9321.2
35°	8902.7	8920.3	8973.4	9004.4	8893.8	8675.7	8890.9	9120.8	9950.5	10827.3	9387.5
37.5°	9153.2	9198.9	9347.7	9478.9	9384.6	9141.4	9235.7	9399.3	10187.7	11194.3	9565.8
40°	9442.0	9481.8	9725.0	10003.5	9988.8	9736.8	9791.3	9900.4	10606.3	11720.4	9888.6
42.5°	9726.5	9806.0	10158.3	10553.2	10666.7	10444.2	10531.1	10588.6	11195.8	12417.5	10451.5
45°	10105.2	10190.7	10680.0	11156.0	11421.2	11296.0	11434.5	11456.6	11937.0	13366.5	11269.4
47.5°	10678.5	10775.7	11346.1	11845.7	12250.9	12264.2	12492.6	12483.8	12862.5	14452.6	12299.6
50°	11571.5	11711.6	12178.7	12645.9	13138.1	13412.2	13717.3	13674.5	13972.2	15609.5	13485.9
52.5°	12741.7	12806.5	13152.8	13497.7	14109.3	14723.8	15161.5	15123.2	15230.8	16798.8	14832.9
55°	13954.5	14003.2	14146.1	14334.8	15157.1	16159.2	17084.7	17024.3	16751.6	18033.8	16163.6
57.5°	15045.1	15143.8	15242.6	15320.7	16212.3	17659.4	19052.1	19056.5	18402.2	19366.0	17538.6
60°	15214.6	15301.5	15954.4	16570.4	18017.5	19660.7	21158.0	21113.8	20110.2	20811.7	19071.2
62.5°	13449.1	13645.1	14735.6	16374.4	19756.5	23321.4	23844.6	23790.1	22152.8	22593.4	20855.9
65°	9638.0	9860.6	11176.6	13639.2	18913.6	27355.0	28693.1	27959.2	24938.1	24784.8	22945.6
67.5°	5560.3	5613.4	6183.7	8161.4	14401.1	27565.7	36089.6	35062.4	29263.4	27271.0	23968.4
70°	4111.6	4110.2	4245.8	5022.4	7793.0	22497.6	39607.4	40528.4	33817.2	28088.9	22522.7
71°	3718.2	3722.6	3874.4	4571.4	6171.9	18831.0	38860.2	40876.2	35016.8	27685.1	21476.3
72.5°	3180.3	3195.0	3405.7	4099.9	5191.9	12986.3	35641.6	38789.4	35585.6	26688.8	19839.0
75°	2412.5	2446.4	2738.1	3455.8	4745.3	6586.0	26158.3	30974.4	31612.5	23549.8	14741.5
77.5°	1721.3	1759.6	2089.7	2906.2	4511.0	4963.4	17518.0	22593.4	23263.9	15092.2	6649.4
80°	1087.6	1133.3	1382.3	2312.2	4238.4	4712.9	11008.6	15186.6	12685.7	4829.3	1691.8
82.5°	638.1	673.5	857.7	1510.5	3461.7	4539.0	6476.9	8417.8	4936.9	1459.0	769.3
85°	369.9	386.1	535.0	962.3	2514.1	4284.1	4758.6	4705.5	2142.8	713.3	364.0
87.5°	172.4	191.6	316.8	502.5	1395.6	3105.1	3760.9	3249.5	1332.2	334.5	171.0
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°	11721.9	11721.9	11721.9	11721.9	11721.9	11721.9	11721.9	11721.9	11721.9	11721.9	11721.9
2.5°	11620.2	11595.1	11490.5	11397.7	11300.4	11173.6	11033.6	11016.0	10930.5	10946.7	10917.2
5°	11390.3	11326.9	11074.9	10846.5	10576.8	10335.1	10072.8	9951.9	9778.0	9766.3	9722.0
7.5°	11061.6	10943.7	10553.2	10119.9	9686.7	9274.0	8865.8	8597.6	8323.5	8207.1	8196.8
10°	10691.7	10491.3	9916.6	9275.5	8650.7	8047.9	7464.3	7032.5	6643.5	6459.3	6451.9
12.5°	10341.0	10044.8	9256.4	8383.9	7529.2	6748.1	5947.9	5380.5	4892.7	4729.1	4659.9
15°	10043.3	9626.3	8613.8	7498.2	6460.7	5376.1	4465.3	3868.5	3417.5	3261.3	3231.8
17.5°	9754.5	9218.0	7955.1	6603.7	5349.6	4157.3	3245.1	2801.5	2561.3	2497.9	2496.5
20°	9467.1	8798.0	7266.9	5688.5	4275.2	3109.5	2495.0	2296.0	2215.0	2207.6	2195.8
22.5°	9141.4	8353.0	6543.3	4770.4	3336.5	2444.9	2120.7	2041.1	2030.8	2057.3	2057.3
25°	8836.3	7910.9	5809.4	3871.4	2595.2	2039.6	1893.7	1877.5	1905.5	1952.7	1957.1
27.5°	8551.9	7485.0	5093.1	3072.7	2079.4	1796.4	1736.0	1755.2	1805.3	1859.8	1861.3
30°	8317.6	7082.6	4397.5	2421.3	1756.7	1615.2	1604.9	1643.2	1697.7	1740.4	1750.8
32.5°	8136.3	6739.3	3725.5	1946.8	1545.9	1479.6	1488.4	1520.9	1554.8	1578.3	1594.6
35°	8052.3	6444.5	3105.1	1641.7	1411.8	1375.0	1386.8	1404.4	1419.2	1436.9	1450.1
37.5°	8067.1	6216.1	2551.0	1451.6	1321.9	1302.8	1302.8	1302.8	1302.8	1311.6	1313.1
40°	8204.1	6084.9	2100.0	1330.8	1261.5	1240.9	1224.7	1209.9	1198.1	1204.0	1201.1
42.5°	8554.9	6073.1	1769.9	1254.1	1212.9	1179.0	1146.5	1125.9	1111.2	1117.1	1120.0
45°	9150.2	6220.5	1547.4	1199.6	1167.2	1115.6	1074.3	1052.2	1041.9	1061.1	1064.0
47.5°	9921.0	6541.8	1411.8	1159.8	1124.4	1056.6	1012.4	991.8	994.8	1022.8	1030.1
50°	10914.3	7063.5	1347.0	1134.8	1095.0	1006.5	960.9	943.2	952.0	991.8	1000.6
52.5°	12004.8	7815.1	1354.3	1127.4	1075.8	969.7	921.1	900.4	915.2	952.0	959.4
55°	13263.4	8718.5	1476.7	1137.7	1047.8	946.1	888.6	853.3	865.1	899.0	904.9
57.5°	14661.9	9753.0	1722.8	1134.8	1012.4	924.0	854.8	801.7	810.5	831.2	837.1
60°	16117.9	11002.7	2104.5	1143.6	996.2	897.5	809.1	742.7	739.8	757.5	760.4
62.5°	17865.8	12448.4	2540.7	1149.5	1006.5	863.6	748.6	683.8	675.0	679.4	682.3
65°	19666.6	13494.7	2377.1	1125.9	1039.0	835.6	695.6	626.3	610.1	607.2	608.6
67.5°	19722.6	12373.2	1666.8	1078.8	1052.2	820.9	655.8	577.7	551.2	540.9	539.4
70°	17687.4	10052.2	1298.3	1028.6	999.2	797.3	619.0	537.9	498.1	481.9	480.4
71°	16694.2	9253.4	1230.5	1003.6	959.4	773.7	602.7	520.2	479.0	461.3	458.3
72.5°	15136.4	8295.5	1148.0	963.8	882.8	713.3	571.8	495.2	452.4	431.8	427.4
75°	10862.7	5424.7	985.9	859.2	731.0	568.9	501.1	445.1	408.2	383.2	380.2
77.5°	4185.3	2159.0	745.7	714.7	560.0	445.1	412.6	384.6	358.1	333.1	331.6
80°	1293.9	965.3	543.8	537.9	405.3	331.6	321.3	313.9	303.6	277.1	271.2
82.5°	691.2	554.1	374.3	347.8	265.3	221.1	232.8	235.8	237.3	209.3	206.3
85°	330.1	293.3	210.7	197.5	154.7	123.8	142.9	154.7	156.2	128.2	119.4
87.5°	157.7	153.3	98.7	75.2	57.5	41.3	50.1	61.9	67.8	48.6	42.7
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)