

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: P319634

Luminaire Tested: **GAN-SA0A-730-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319634
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-SA0A-730-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 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: 42010 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

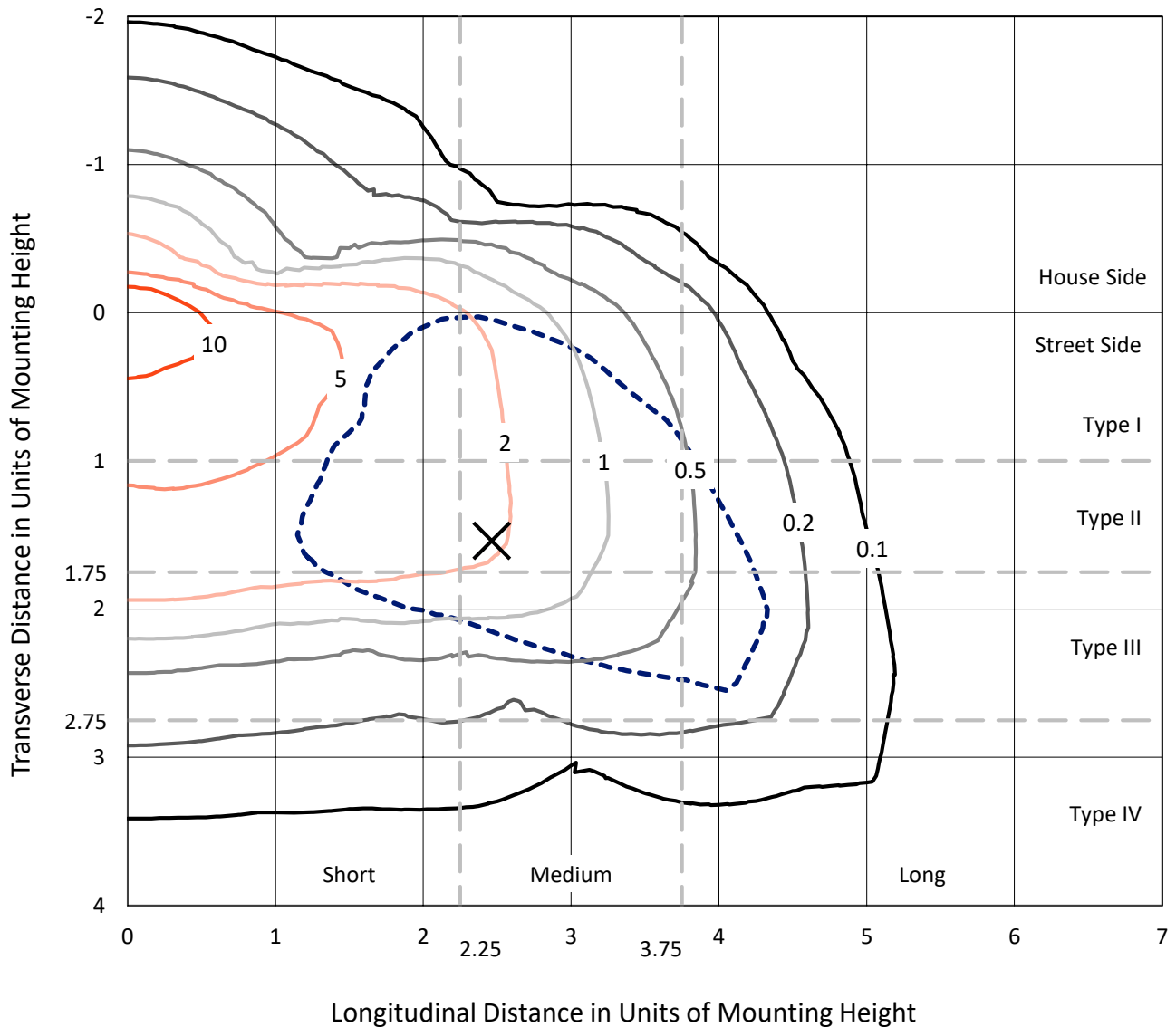
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

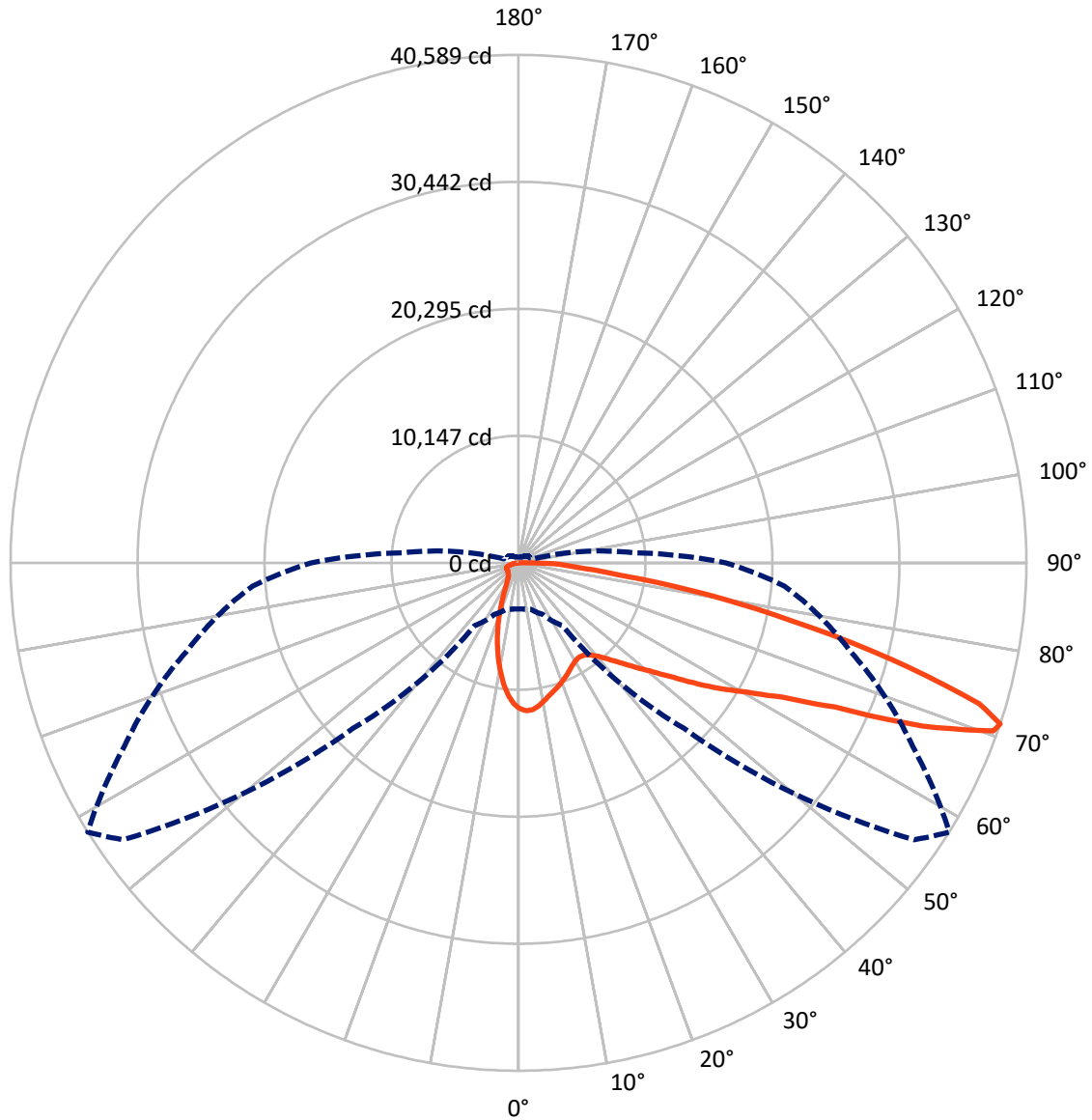
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.6 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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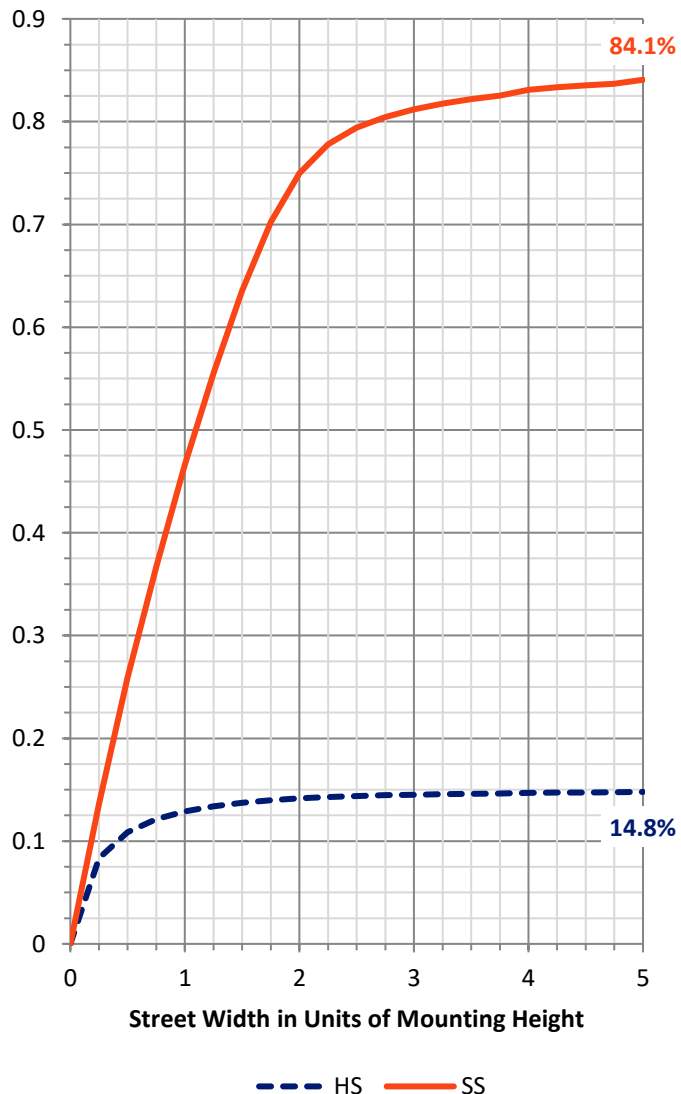
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6280.8	0.0	6280.8
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	35729.2	0.0	35729.2
	% Fixture	85.0	0.0	85.0
Total	Lumens	42010.0	0.0	42010.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1004.1	2.4
10°-20°	2232.8	5.3
20°-30°	2837.7	6.8
30°-40°	3614.7	8.6
40°-50°	5125.8	12.2
50°-60°	7932.3	18.9
60°-70°	10798.9	25.7
70°-80°	7204.1	17.1
80°-90°	1259.5	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°	42010.0	100.0
0°-180°	42010.0	100.0

Coefficient of Utilization

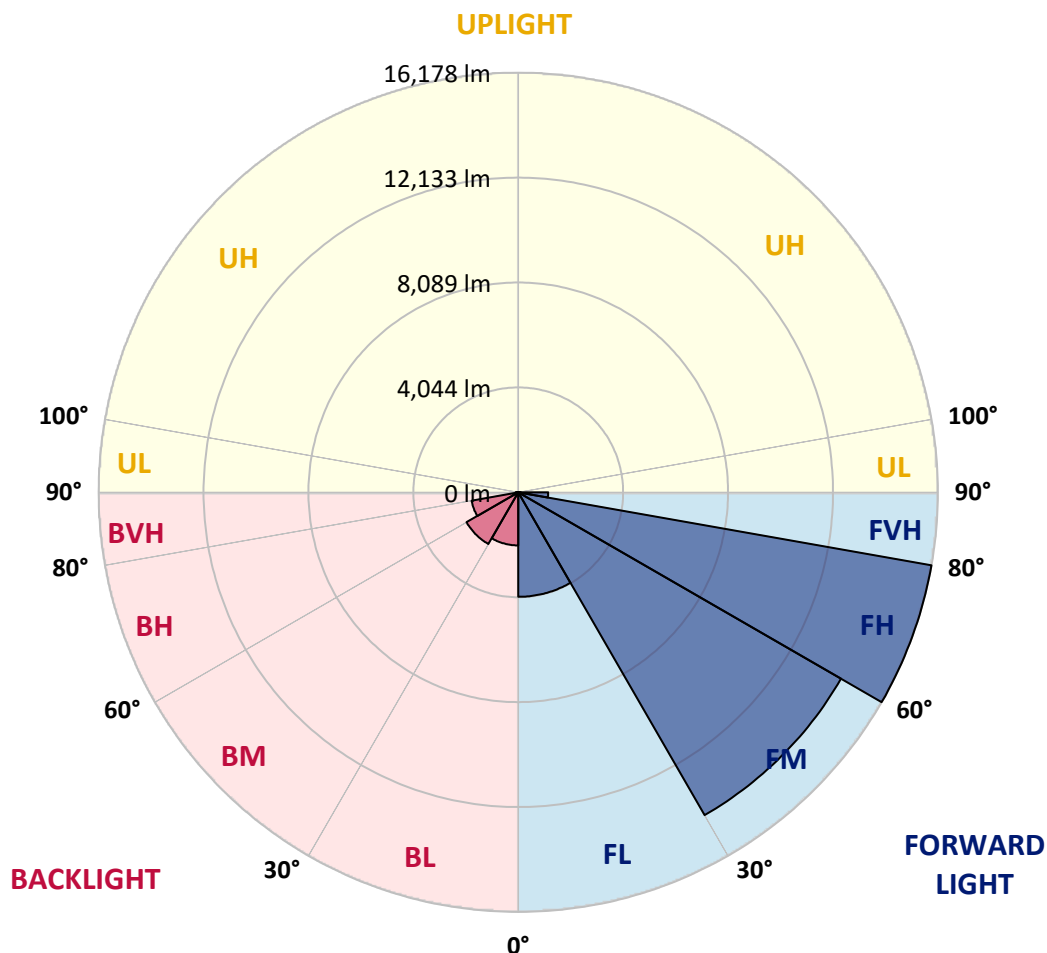


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4027.3	9.6			
FM (30°-60°)	14369.5	34.2			
FH (60°-80°)	16177.5	38.5			G5
FVH (80°-90°)	1154.9	2.7			G5
BL (0°-30°)	2047.3	4.9	B3/2500		
BM (30°-60°)	2303.3	5.5	B2/2500		
BH (60°-80°)	1825.4	4.3	B3/2500		G3/2500
BVH (80°-90°)	104.6	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°	11639.6	11639.6	11639.6	11639.6	11639.6	11639.6	11639.6	11639.6	11639.6	11639.6	11639.6
2.5°	11948.3	11932.3	11938.1	11926.4	11898.6	11870.8	11829.8	11837.1	11780.1	11695.2	11589.8
5°	11723.0	11717.1	11761.0	11785.9	11806.4	11790.3	11778.6	11793.2	11709.8	11592.8	11409.8
7.5°	11250.3	11185.9	11241.5	11325.0	11404.0	11464.0	11543.0	11553.2	11500.6	11377.6	11137.6
10°	10578.6	10517.2	10599.1	10729.4	10887.4	11030.8	11190.3	11219.6	11229.8	11118.6	10827.4
12.5°	9882.1	9835.3	9917.2	10100.1	10362.1	10583.0	10837.7	10881.6	10972.3	10897.7	10540.6
15°	9258.7	9241.1	9340.6	9520.6	9822.1	10160.1	10527.4	10607.9	10761.6	10736.7	10316.7
17.5°	8720.2	8715.8	8791.9	8980.7	9314.3	9741.6	10218.7	10354.7	10583.0	10612.3	10132.3
20°	8319.2	8310.4	8363.1	8502.1	8846.0	9330.4	9885.0	10072.3	10401.6	10504.0	9942.1
22.5°	8104.1	8102.6	8104.1	8169.9	8450.9	8901.6	9560.1	9788.4	10224.5	10417.7	9731.4
25°	8067.5	8063.1	8030.9	8023.6	8183.1	8543.1	9238.2	9489.9	10056.2	10357.7	9530.9
27.5°	8162.6	8168.5	8126.0	8057.3	8089.5	8307.5	8958.7	9228.0	9921.6	10346.0	9391.9
30°	8360.2	8357.3	8320.7	8249.0	8186.0	8219.7	8759.7	9028.9	9830.9	10397.2	9296.7
32.5°	8578.2	8594.3	8587.0	8547.5	8453.8	8319.2	8699.7	8963.1	9804.5	10520.1	9255.8
35°	8840.2	8857.7	8910.4	8941.1	8831.4	8614.8	8828.5	9056.7	9880.6	10751.3	9321.6
37.5°	9088.9	9134.3	9282.1	9412.3	9318.7	9077.2	9170.9	9333.3	10116.2	11115.7	9498.7
40°	9375.8	9415.3	9656.7	9933.3	9918.7	9668.4	9722.6	9830.9	10531.8	11638.1	9819.2
42.5°	9658.2	9737.2	10087.0	10479.1	10591.8	10370.8	10457.2	10514.3	11117.2	12330.3	10378.2
45°	10034.3	10119.1	10605.0	11077.6	11341.1	11216.7	11354.2	11376.2	11853.2	13272.7	11190.3
47.5°	10603.5	10700.1	11266.4	11762.5	12164.9	12178.1	12404.9	12396.1	12772.2	14351.2	12213.2
50°	11490.3	11629.3	12093.2	12557.1	13045.9	13318.1	13621.0	13578.5	13874.1	15499.9	13391.2
52.5°	12652.2	12716.6	13060.5	13402.9	14010.2	14620.4	15055.1	15017.0	15123.8	16680.9	14728.7
55°	13856.6	13904.9	14046.8	14234.1	15050.7	16045.8	16964.8	16904.8	16634.0	17907.2	16050.2
57.5°	14939.5	15037.5	15135.5	15213.1	16098.4	17535.5	18918.3	18922.7	18273.0	19230.0	17415.5
60°	15107.7	15194.1	15842.4	16454.0	17891.1	19522.7	21009.5	20965.6	19969.0	20665.6	18937.4
62.5°	13354.6	13549.3	14632.2	16259.4	19617.8	23157.7	23677.2	23623.0	21997.3	22434.8	20709.5
65°	9570.4	9791.4	11098.1	13543.4	18780.8	27162.9	28491.7	27762.9	24763.0	24610.8	22784.5
67.5°	5521.3	5573.9	6140.3	8104.1	14300.0	27372.2	35836.3	34816.3	29058.0	27079.5	23800.1
70°	4082.8	4081.3	4215.9	4987.1	7738.3	22339.7	39329.3	40243.9	33579.8	27891.7	22364.6
71°	3692.1	3696.5	3847.2	4539.3	6128.6	18698.8	38587.4	40589.3	34770.9	27490.7	21325.6
72.5°	3157.9	3172.6	3381.8	4071.1	5155.4	12895.1	35391.4	38517.1	35335.8	26501.5	19699.8
75°	2395.5	2429.2	2718.9	3431.6	4712.0	6539.8	25974.7	30756.9	31390.6	23384.5	14638.0
77.5°	1709.2	1747.3	2075.0	2885.7	4479.3	4928.6	17395.0	22434.8	23100.6	14986.3	6602.7
80°	1080.0	1125.3	1372.6	2296.0	4208.6	4679.8	10931.3	15079.9	12596.6	4795.4	1679.9
82.5°	633.6	668.8	851.7	1499.9	3437.4	4507.2	6431.5	8358.7	4902.3	1448.7	763.9
85°	367.3	383.4	531.2	955.6	2496.5	4254.0	4725.2	4672.5	2127.7	708.3	361.5
87.5°	171.2	190.2	314.6	499.0	1385.8	3083.3	3734.5	3226.7	1322.9	332.2	169.7
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°	11639.6	11639.6	11639.6	11639.6	11639.6	11639.6	11639.6	11639.6	11639.6	11639.6	11639.6
2.5°	11538.6	11513.7	11409.8	11317.6	11221.1	11095.2	10956.2	10938.6	10853.8	10869.9	10840.6
5°	11310.3	11247.4	10997.2	10770.3	10502.5	10262.6	10002.1	9882.1	9709.4	9697.7	9653.8
7.5°	10984.0	10866.9	10479.1	10048.9	9618.7	9208.9	8803.6	8537.3	8265.1	8149.5	8139.2
10°	10616.7	10417.7	9847.0	9210.4	8589.9	7991.4	7411.9	6983.2	6596.8	6413.9	6406.6
12.5°	10268.4	9974.3	9191.4	8325.1	7476.3	6700.7	5906.1	5342.7	4858.4	4695.9	4627.1
15°	9972.8	9558.7	8553.3	7445.6	6415.4	5338.3	4434.0	3841.3	3393.5	3238.4	3209.2
17.5°	9686.0	9153.3	7899.2	6557.3	5312.0	4128.1	3222.3	2781.9	2543.3	2480.4	2478.9
20°	9400.6	8736.3	7215.8	5648.6	4245.2	3087.7	2477.5	2279.9	2199.4	2192.1	2180.4
22.5°	9077.2	8294.3	6497.3	4736.9	3313.1	2427.7	2105.8	2026.8	2016.5	2042.9	2042.9
25°	8774.3	7855.3	5768.6	3844.3	2577.0	2025.3	1880.4	1864.3	1892.1	1939.0	1943.3
27.5°	8491.9	7432.4	5057.4	3051.1	2064.8	1783.8	1723.8	1742.9	1792.6	1846.8	1848.2
30°	8259.2	7032.9	4366.7	2404.3	1744.3	1603.8	1593.6	1631.6	1685.8	1728.2	1738.5
32.5°	8079.2	6692.0	3699.4	1933.1	1535.1	1469.2	1478.0	1510.2	1543.8	1567.3	1583.4
35°	7995.8	6399.3	3083.3	1630.2	1401.9	1365.3	1377.0	1394.6	1409.2	1426.8	1439.9
37.5°	8010.4	6172.5	2533.1	1441.4	1312.6	1293.6	1293.6	1293.6	1293.6	1302.4	1303.9
40°	8146.5	6042.2	2085.3	1321.4	1252.6	1232.2	1216.1	1201.4	1189.7	1195.6	1192.6
42.5°	8494.8	6030.5	1757.5	1245.3	1204.3	1170.7	1138.5	1118.0	1103.4	1109.2	1112.2
45°	9086.0	6176.8	1536.5	1191.2	1159.0	1107.8	1066.8	1044.8	1034.6	1053.6	1056.5
47.5°	9851.4	6495.9	1401.9	1151.7	1116.5	1049.2	1005.3	984.8	987.8	1015.6	1022.9
50°	10837.7	7013.9	1337.5	1126.8	1087.3	999.5	954.1	936.6	945.3	984.8	993.6
52.5°	11920.5	7760.2	1344.8	1119.5	1068.3	962.9	914.6	894.1	908.7	945.3	952.6
55°	13170.3	8657.2	1466.3	1129.7	1040.5	939.5	882.4	847.3	859.0	892.7	898.5
57.5°	14559.0	9684.5	1710.7	1126.8	1005.3	917.5	848.7	796.1	804.8	825.3	831.2
60°	16004.8	10925.5	2089.7	1135.6	989.2	891.2	803.4	737.5	734.6	752.2	755.1
62.5°	17740.3	12361.0	2522.8	1141.4	999.5	857.5	743.4	679.0	670.2	674.6	677.5
65°	19528.6	13400.0	2360.4	1118.0	1031.7	829.7	690.7	621.9	605.8	602.9	604.4
67.5°	19584.2	12286.4	1655.1	1071.2	1044.8	815.1	651.2	573.6	547.3	537.1	535.6
70°	17563.3	9981.6	1289.2	1021.4	992.2	791.7	614.6	534.1	494.6	478.5	477.1
71°	16577.0	9188.4	1221.9	996.5	952.6	768.3	598.5	516.6	475.6	458.0	455.1
72.5°	15030.2	8237.3	1140.0	957.0	876.6	708.3	567.8	491.7	449.3	428.8	424.4
75°	10786.4	5386.6	979.0	853.1	725.8	564.9	497.5	441.9	405.4	380.5	377.5
77.5°	4155.9	2143.8	740.5	709.7	556.1	441.9	409.7	381.9	355.6	330.7	329.3
80°	1284.8	958.5	540.0	534.1	402.4	329.3	319.0	311.7	301.5	275.1	269.3
82.5°	686.3	550.2	371.7	345.4	263.4	219.5	231.2	234.1	235.6	207.8	204.9
85°	327.8	291.2	209.3	196.1	153.7	122.9	141.9	153.7	155.1	127.3	118.5
87.5°	156.6	152.2	98.0	74.6	57.1	41.0	49.8	61.5	67.3	48.3	42.4
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)