

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: P319330

Luminaire Tested: **GAN-SA6C-730-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319330
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-SA6C-730-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 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: 37742 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

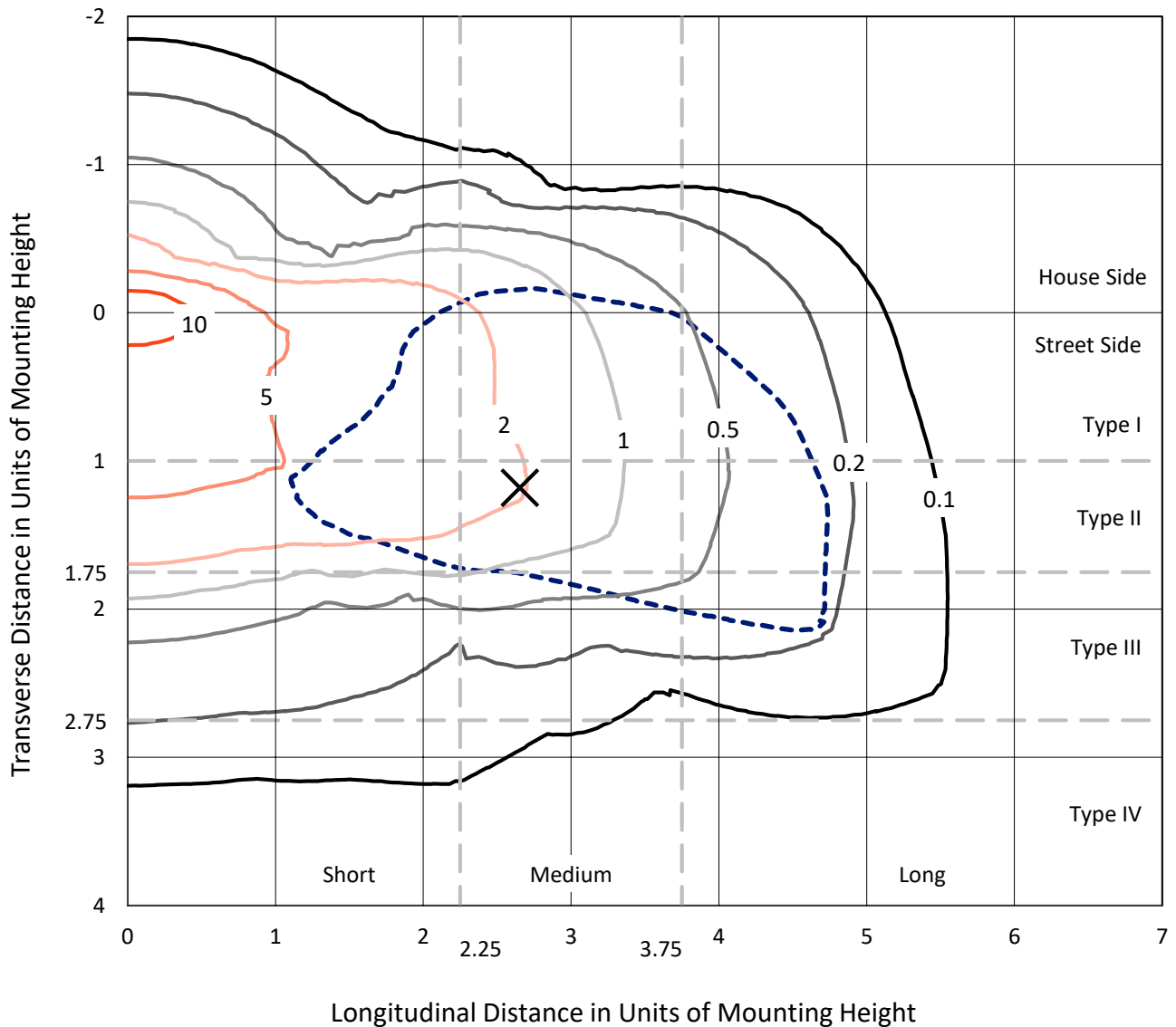
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

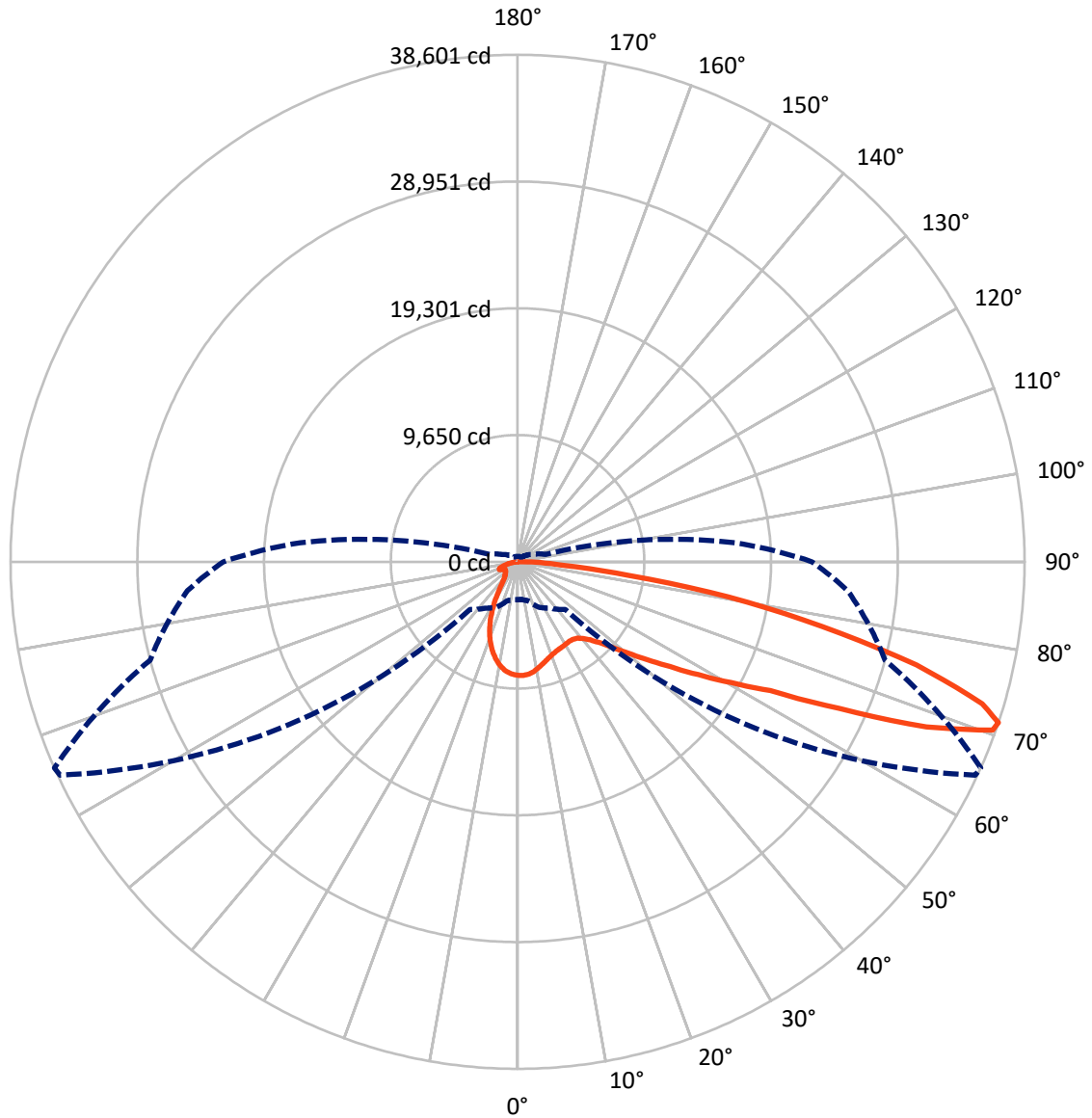
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.8 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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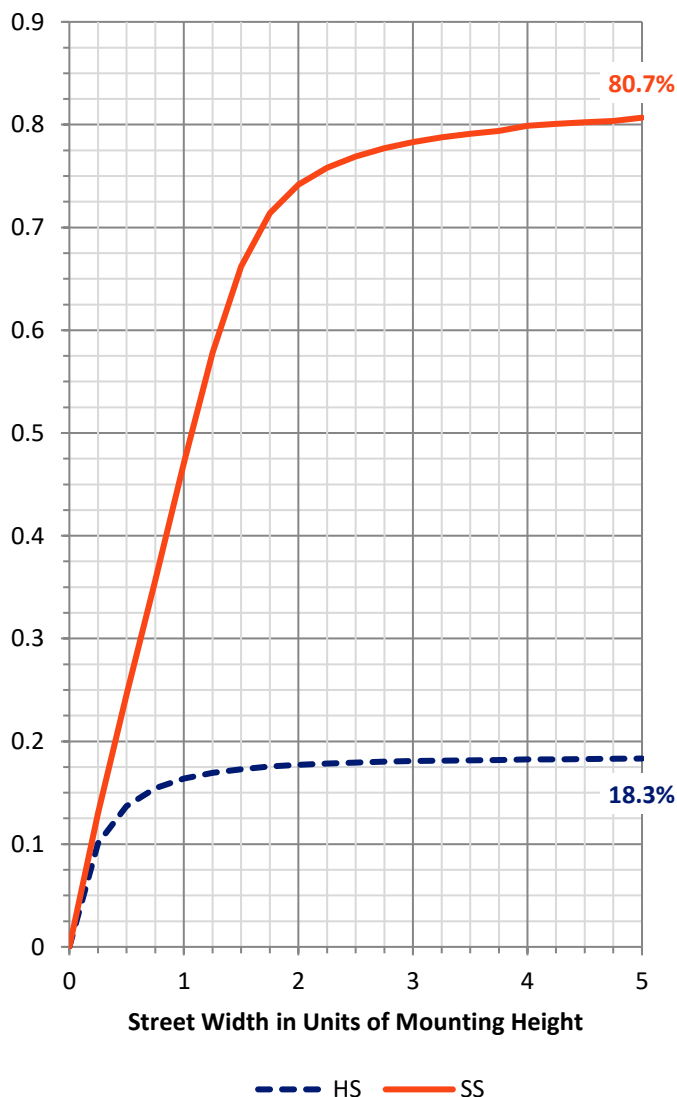
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6994.6	0.0	6994.6
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	30747.4	0.0	30747.4
	% Fixture	81.5	0.0	81.5
Total	Lumens	37742.0	0.0	37742.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	761.0	2.0
10°-20°	1825.3	4.8
20°-30°	2451.9	6.5
30°-40°	3225.4	8.5
40°-50°	4692.1	12.4
50°-60°	7329.6	19.4
60°-70°	9181.5	24.3
70°-80°	7003.4	18.6
80°-90°	1271.8	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°	37742.0	100.0
0°-180°	37742.0	100.0

Coefficient of Utilization

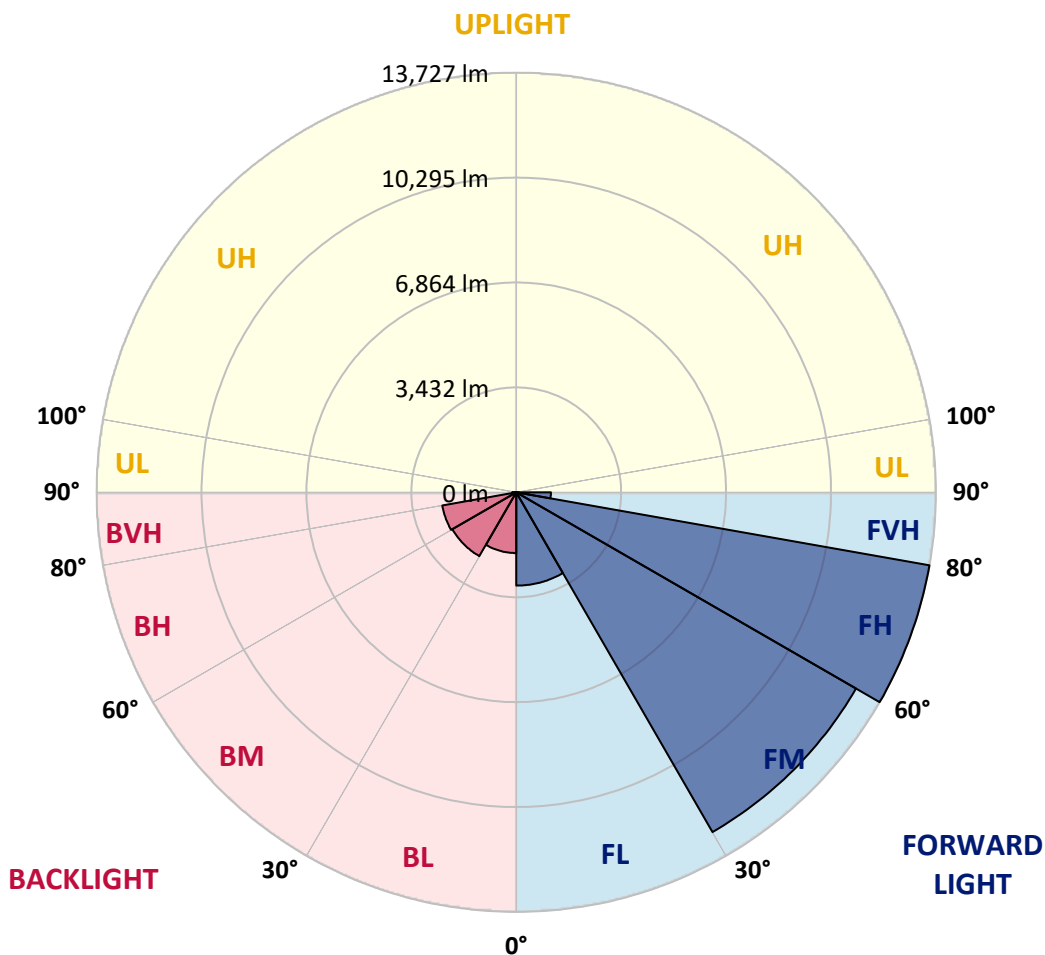


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3052.0	8.1			
FM (30°-60°)	12834.2	34.0			
FH (60°-80°)	13727.2	36.4			G5
FVH (80°-90°)	1134.1	3.0			G5
BL (0°-30°)	1986.3	5.3	B3/2500		
BM (30°-60°)	2412.9	6.4	B2/2500		
BH (60°-80°)	2457.7	6.5	B3/2500		G3/2500
BVH (80°-90°)	137.7	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°	8646.0	8646.0	8646.0	8646.0	8646.0	8646.0	8646.0	8646.0	8646.0	8646.0	8646.0
2.5°	8485.7	8472.7	8511.7	8552.1	8567.8	8593.8	8632.9	8655.1	8653.8	8657.7	8644.7
5°	7922.7	7905.8	7984.0	8047.8	8170.3	8308.5	8476.6	8596.4	8599.1	8666.8	8685.1
7.5°	7389.8	7378.1	7468.0	7570.9	7713.0	7924.1	8196.4	8454.4	8470.0	8653.8	8717.6
10°	6962.4	6959.8	7047.1	7159.1	7324.6	7560.5	7873.2	8251.1	8274.6	8591.2	8722.8
12.5°	6628.8	6634.0	6709.6	6837.3	7011.9	7258.2	7597.0	8023.1	8060.9	8492.2	8692.9
15°	6382.5	6403.4	6464.6	6593.6	6765.6	7015.8	7363.7	7812.0	7869.3	8381.4	8675.9
17.5°	6241.8	6265.2	6308.2	6415.1	6576.7	6817.7	7147.4	7638.7	7690.8	8296.7	8677.2
20°	6200.1	6219.6	6244.4	6309.5	6446.4	6665.3	6976.7	7482.3	7538.3	8229.0	8690.3
22.5°	6282.2	6296.5	6299.1	6293.9	6377.3	6555.8	6852.9	7367.6	7427.6	8184.7	8699.4
25°	6458.1	6477.6	6463.3	6415.1	6387.7	6497.2	6789.1	7292.1	7352.0	8152.1	8681.1
27.5°	6722.6	6725.2	6713.5	6650.9	6521.9	6503.7	6769.5	7247.8	7305.1	8114.3	8643.4
30°	7082.3	7099.2	7078.4	6993.7	6782.6	6607.9	6793.0	7204.8	7256.9	8066.1	8582.1
32.5°	7503.2	7544.9	7543.6	7454.9	7152.6	6841.2	6889.4	7178.7	7219.1	8015.3	8507.8
35°	7939.7	7997.0	8103.9	8066.1	7692.1	7210.0	7074.4	7220.4	7247.8	8008.8	8455.7
37.5°	8393.2	8450.5	8670.7	8772.4	8334.5	7737.7	7366.3	7367.6	7380.7	8088.2	8451.8
40°	8867.5	8928.7	9259.7	9524.2	9167.2	8406.2	7836.7	7675.2	7660.8	8283.7	8528.7
42.5°	9532.1	9586.8	9984.2	10321.7	10091.1	9262.3	8487.0	8149.5	8119.5	8666.8	8775.0
45°	10372.5	10419.5	10841.7	11202.6	11084.0	10239.6	9304.0	8802.3	8797.1	9305.3	9274.0
47.5°	11372.0	11408.5	11787.7	12136.9	12179.9	11364.2	10330.8	9809.6	9724.9	10181.0	10046.8
50°	12413.2	12453.6	12711.6	13086.9	13406.1	12869.3	11652.2	11043.6	10930.3	11336.8	11141.4
52.5°	13102.5	13155.9	13380.1	13855.7	14784.8	14519.0	13214.6	12539.6	12367.6	12737.6	12587.8
55°	12795.0	12914.9	13257.6	14019.9	15887.2	17039.1	15141.8	14284.4	14090.2	14397.8	14309.2
57.5°	11396.8	11561.0	12028.8	13205.5	16042.3	19259.6	18055.5	16339.4	16202.5	16113.9	16154.3
60°	8841.4	8999.1	9579.0	11112.7	14962.0	20880.6	22440.4	18872.6	18674.5	17836.6	17873.1
62.5°	6257.4	6177.9	6575.4	7697.3	12157.8	21070.9	27429.9	22260.6	21609.0	19655.7	19495.4
65°	4771.9	4753.6	4932.2	5289.2	7363.7	18794.4	30402.2	27955.1	26937.3	21795.4	21417.5
67.5°	3921.0	3888.4	4064.3	4584.2	4741.9	12125.2	30467.4	34561.7	33562.2	24458.9	23640.5
70°	3223.8	3187.3	3351.5	4022.6	4382.3	6149.3	25642.1	38430.5	38377.1	27831.3	25318.9
71°	2890.2	2864.2	3060.9	3806.3	4305.4	5125.0	22139.4	38441.0	38601.3	28972.8	25219.9
72.5°	2353.4	2362.5	2571.0	3388.0	4248.1	4525.6	16271.6	36649.2	36988.0	30060.8	24319.5
75°	1563.7	1571.5	1845.2	2606.2	4119.0	4427.9	8943.1	30752.8	31375.7	29409.3	22191.5
77.5°	1050.3	1047.7	1234.0	1787.8	3588.7	4427.9	5243.6	23000.7	23684.9	23400.8	17108.2
80°	723.2	718.0	849.6	1234.0	2716.9	4481.3	4053.9	16119.1	16326.3	12637.3	6953.3
82.5°	443.0	447.0	555.1	871.8	1849.1	4033.0	3827.2	8789.3	8563.9	3544.4	1737.0
85°	254.1	252.8	354.4	590.3	1187.1	3403.7	3732.0	3782.9	3470.1	1067.2	628.1
87.5°	91.2	97.7	190.3	327.1	680.2	2370.3	3166.5	1967.7	1773.5	482.1	284.1
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°	8646.0	8646.0	8646.0	8646.0	8646.0	8646.0	8646.0	8646.0	8646.0	8646.0	8646.0
2.5°	8635.5	8643.4	8634.2	8582.1	8537.8	8466.1	8425.7	8369.7	8352.8	8344.9	8365.8
5°	8668.1	8670.7	8593.8	8457.0	8303.3	8122.1	7991.8	7831.5	7756.0	7723.4	7744.2
7.5°	8698.1	8686.4	8518.3	8256.3	7972.3	7656.9	7376.8	7120.1	6970.2	6909.0	6914.2
10°	8702.0	8652.5	8382.7	7977.5	7537.0	7074.4	6644.4	6248.3	5998.1	5835.2	5884.7
12.5°	8661.6	8578.2	8183.4	7616.5	7005.4	6374.7	5793.5	5199.3	4842.3	4676.8	4682.0
15°	8630.3	8479.2	7938.4	7191.7	6370.8	5535.5	4741.9	4043.5	3663.0	3493.6	3414.1
17.5°	8604.3	8372.3	7654.3	6713.5	5621.5	4562.1	3608.2	2985.4	2776.9	2727.4	2706.5
20°	8567.8	8258.9	7337.7	6159.7	4768.0	3472.7	2634.8	2327.3	2328.6	2385.9	2393.8
22.5°	8517.0	8129.9	7000.2	5538.1	3851.9	2529.3	2065.4	1976.8	2066.7	2176.2	2195.7
25°	8441.4	7977.5	6624.9	4851.4	2937.2	1944.2	1764.4	1760.5	1869.9	1984.6	2001.5
27.5°	8334.5	7778.1	6207.9	4113.8	2164.4	1652.3	1580.6	1608.0	1688.8	1772.2	1778.7
30°	8191.2	7546.2	5747.9	3335.9	1696.6	1471.2	1463.4	1488.1	1537.6	1596.3	1601.5
32.5°	8033.5	7310.3	5256.6	2582.7	1452.9	1373.5	1381.3	1393.0	1416.5	1439.9	1445.1
35°	7890.2	7069.2	4753.6	1962.4	1337.0	1309.6	1304.4	1301.8	1304.4	1296.6	1297.9
37.5°	7797.7	6869.9	4229.8	1562.4	1270.5	1253.6	1237.9	1218.4	1196.2	1183.2	1185.8
40°	7763.8	6721.3	3699.5	1350.0	1215.8	1204.0	1174.1	1132.4	1106.3	1098.5	1098.5
42.5°	7855.0	6644.4	3187.3	1243.1	1170.2	1150.6	1101.1	1052.9	1033.3	1032.0	1030.7
45°	8133.8	6675.7	2700.0	1184.5	1128.5	1090.7	1025.5	985.1	972.1	974.7	973.4
47.5°	8634.2	6872.5	2283.0	1145.4	1086.8	1037.3	964.3	931.7	916.1	916.1	917.4
50°	9485.1	7332.5	1950.7	1112.8	1051.6	987.7	920.0	879.6	858.7	857.4	857.4
52.5°	10724.4	8156.0	1743.5	1085.5	1012.5	943.4	875.7	824.9	800.1	794.9	792.3
55°	12277.7	9336.6	1686.2	1067.2	960.4	895.2	822.2	771.4	744.1	732.3	731.0
57.5°	14014.7	10772.6	1799.6	1045.1	906.9	837.9	763.6	715.4	686.7	672.4	671.1
60°	15772.5	12340.2	2262.2	1013.8	862.6	775.3	703.7	659.4	630.7	615.1	612.4
62.5°	17533.0	13992.5	3206.9	1011.2	831.4	715.4	642.4	604.6	577.3	560.3	556.4
65°	19518.9	15801.2	4280.6	1080.3	820.9	660.7	579.9	549.9	526.4	510.8	509.5
67.5°	21799.3	17843.1	4177.7	1222.3	856.1	611.1	521.2	497.8	480.8	467.8	466.5
70°	22869.1	17523.9	2597.0	1322.6	905.6	562.9	465.2	448.3	435.2	426.1	422.2
71°	22420.9	16639.1	2177.5	1310.9	900.4	542.1	443.0	430.0	417.0	409.2	405.3
72.5°	21198.6	15174.4	1816.5	1219.7	841.8	504.3	414.4	401.3	389.6	380.5	377.9
75°	19022.4	13552.1	1454.2	974.7	671.1	426.1	363.6	349.2	340.1	334.9	329.7
77.5°	13983.4	9671.5	1124.6	770.1	493.9	347.9	310.1	299.7	290.6	282.8	278.9
80°	5357.0	3746.4	757.1	574.7	362.3	275.0	250.2	245.0	235.9	230.6	230.6
82.5°	1442.5	1119.3	404.0	347.9	242.4	200.7	191.6	188.9	181.1	170.7	172.0
85°	583.8	493.9	226.7	191.6	148.6	118.6	129.0	130.3	121.2	108.2	109.5
87.5°	256.7	209.8	126.4	84.7	65.2	45.6	58.6	58.6	53.4	44.3	40.4
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)