

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: P323470

Luminaire Tested: **GAN-SA6A-730-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323470
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-730-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21686 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

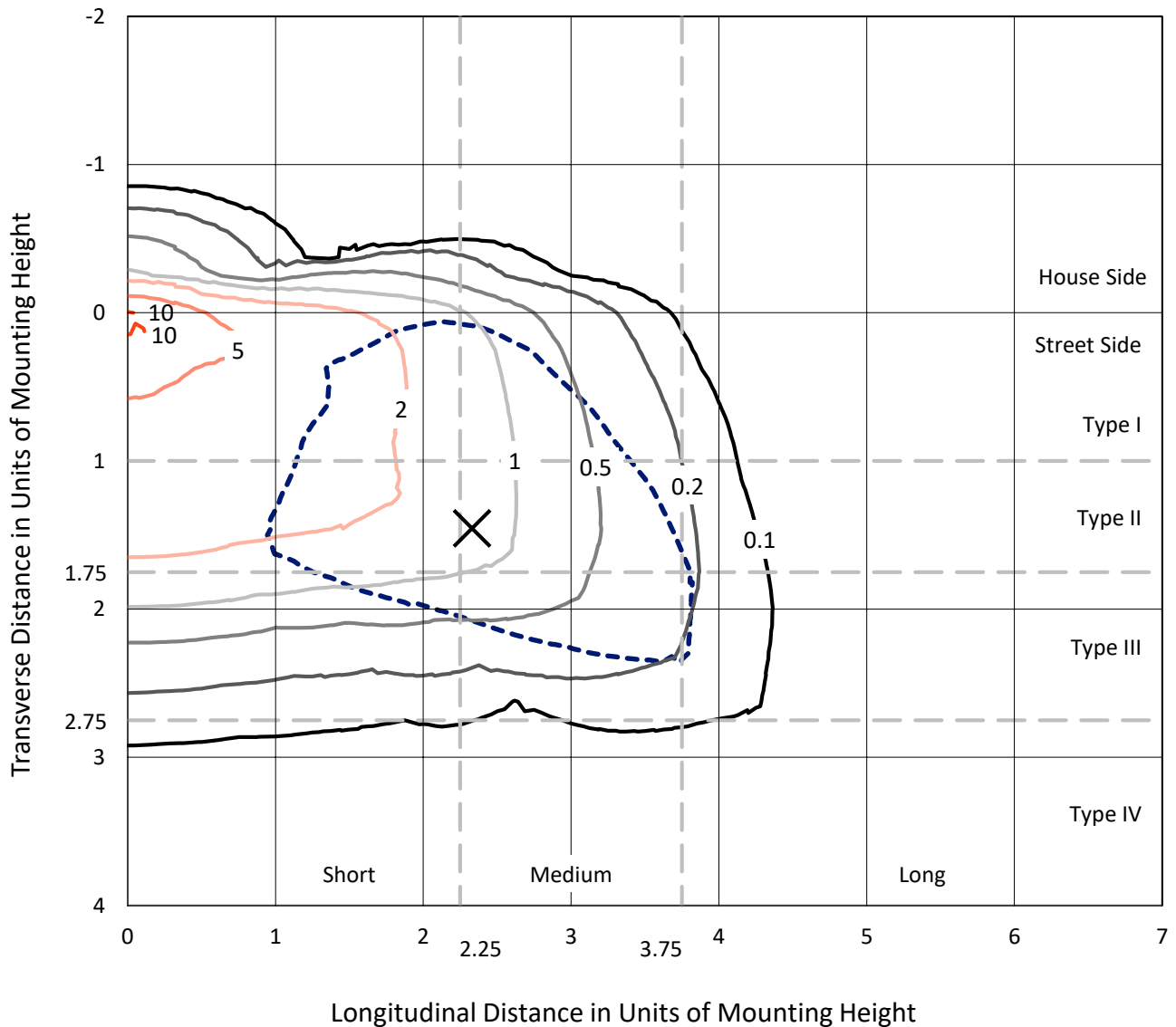
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323470
 CATALOG NUMBER: GAN-SA6A-730-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

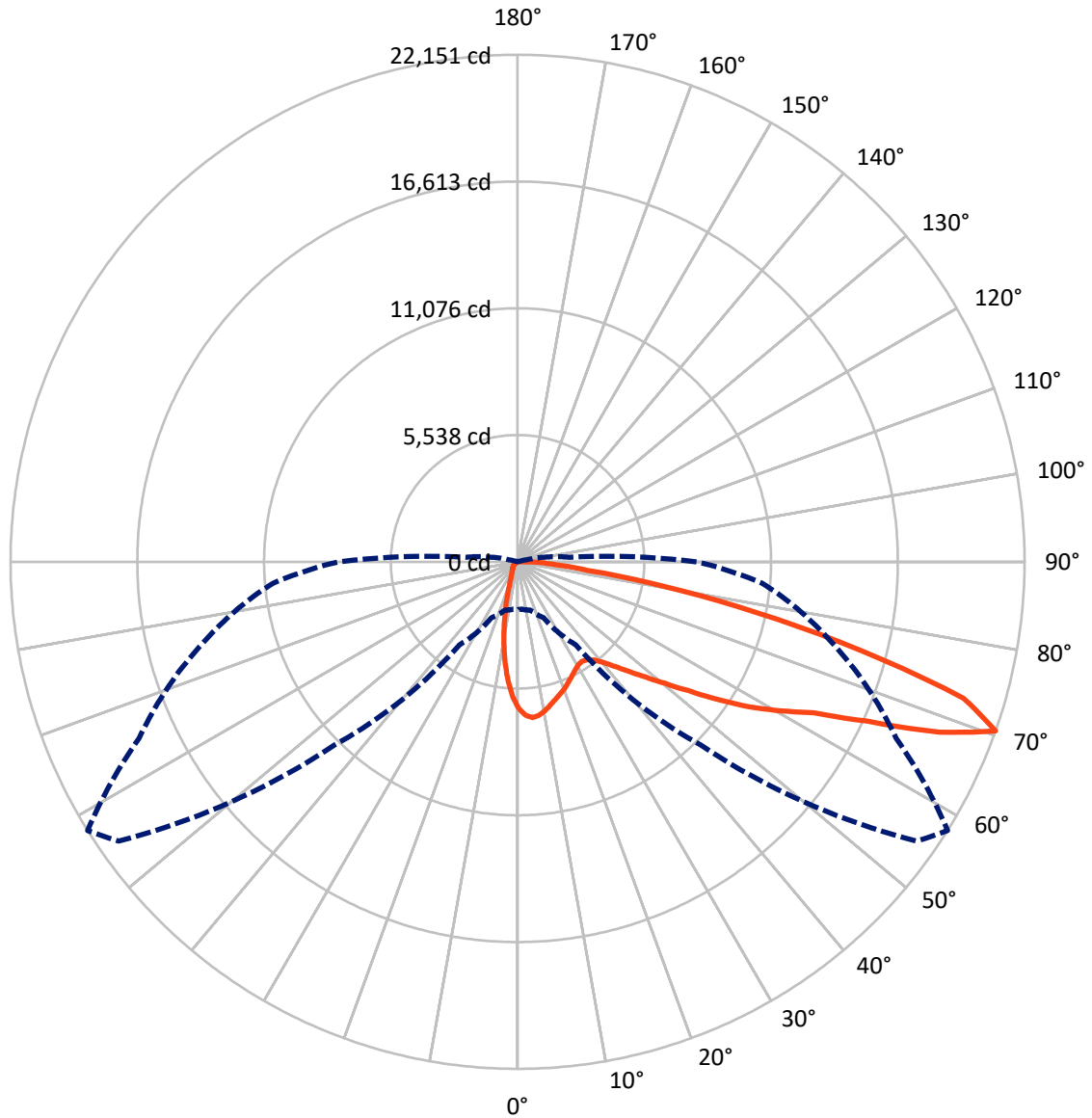
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P323470
CATALOG NUMBER: GAN-SA6A-730-U-SL3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P323470
 CATALOG NUMBER: GAN-SAGA-730-U-SL3-HSS

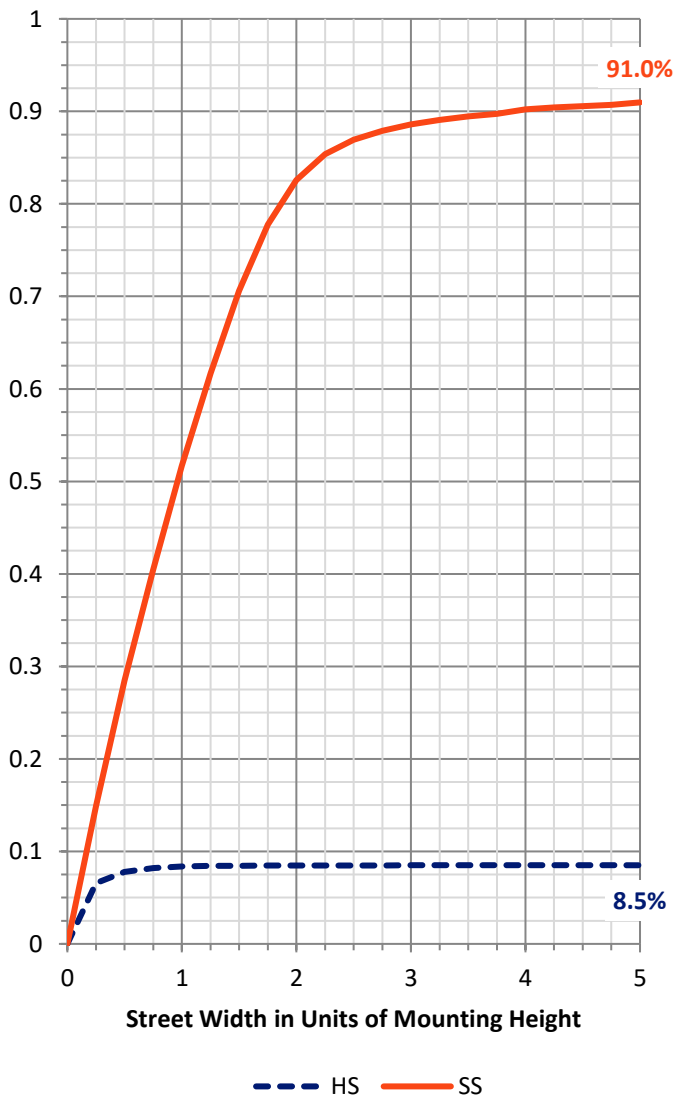
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1855.8	0.0	1855.8
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	19830.1	0.0	19830.1
	% Fixture	91.4	0.0	91.4
Total	Lumens	21686.0	0.0	21686.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	523.8	2.4
10°-20°	1099.4	5.1
20°-30°	1445.4	6.7
30°-40°	1914.2	8.8
40°-50°	2861.2	13.2
50°-60°	4583.5	21.1
60°-70°	5777.4	26.6
70°-80°	3116.3	14.4
80°-90°	364.8	1.7
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°	21686.0	100.0
0°-180°	21686.0	100.0

Coefficient of Utilization

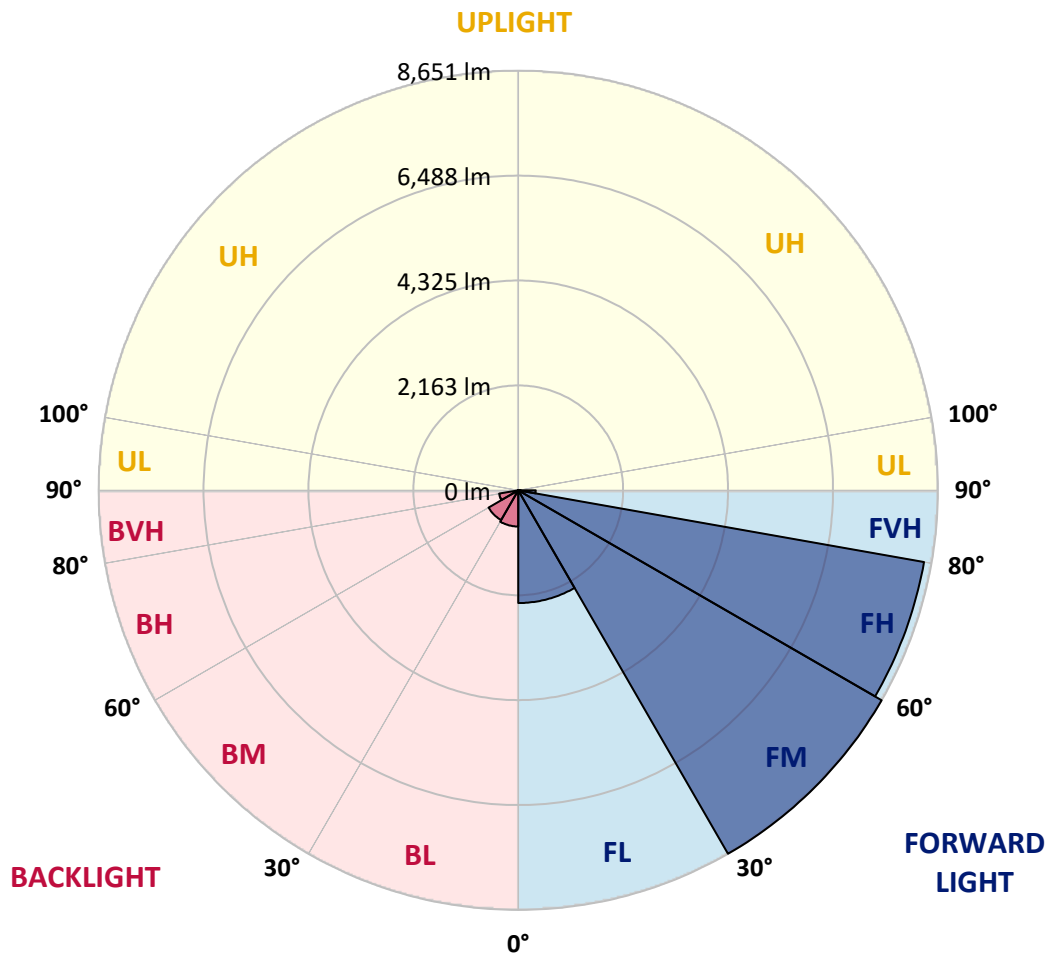


REPORT NUMBER: P323470
 CATALOG NUMBER: GAN-SA6A-730-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2323.0	10.7			
FM (30°-60°)	8650.9	39.9			
FH (60°-80°)	8494.6	39.2			G4/12000
FVH (80°-90°)	361.6	1.7			G3/500
BL (0°-30°)	745.6	3.4	B2/1000		
BM (30°-60°)	708.0	3.3	B1/1000		
BH (60°-80°)	399.1	1.8	B1/500		G1/500
BVH (80°-90°)	3.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type III Medium





REPORT NUMBER: P323470

CATALOG NUMBER: GAN-SA6A-730-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	6405.9	6405.9	6405.9	6405.9	6405.9	6405.9	6405.9	6405.9	6405.9	6405.9	6405.9
2.5°	6937.1	6919.9	6913.6	6902.8	6861.3	6820.7	6740.5	6717.9	6667.4	6547.5	6420.4
5°	6942.5	6941.6	6960.5	6956.0	6941.6	6922.6	6864.9	6835.2	6749.5	6578.2	6345.5
7.5°	6607.9	6625.1	6667.4	6701.7	6741.4	6792.8	6800.0	6771.1	6700.8	6516.0	6207.6
10°	6158.9	6185.9	6245.4	6313.1	6416.8	6519.6	6611.5	6607.9	6583.6	6401.4	6041.6
12.5°	5708.9	5740.5	5809.0	5909.1	6056.1	6223.8	6387.9	6410.5	6451.0	6298.6	5888.3
15°	5314.8	5341.9	5409.5	5532.2	5714.3	5939.7	6180.5	6222.0	6326.6	6218.4	5760.3
17.5°	4980.3	4997.4	5047.0	5183.2	5394.2	5667.4	5980.3	6061.5	6217.5	6155.3	5649.4
20°	4746.7	4749.5	4781.9	4877.5	5088.5	5394.2	5772.9	5889.2	6102.1	6101.2	5534.9
22.5°	4631.3	4622.3	4628.6	4683.6	4838.7	5133.6	5565.5	5703.5	5998.4	6055.2	5418.5
25°	4609.7	4602.5	4584.4	4591.6	4685.4	4905.5	5356.3	5515.9	5907.3	6027.2	5317.5
27.5°	4677.3	4684.5	4653.9	4621.4	4628.6	4757.6	5170.6	5355.4	5833.3	6027.2	5246.3
30°	4813.5	4817.1	4794.5	4752.2	4695.3	4716.1	5041.6	5226.5	5796.4	6068.7	5201.2
32.5°	4964.1	4983.9	4981.2	4946.9	4865.8	4781.9	5011.0	5179.6	5793.7	6160.7	5196.7
35°	5150.7	5173.3	5211.1	5203.9	5119.2	4981.2	5115.6	5248.1	5846.9	6312.2	5245.4
37.5°	5349.1	5383.4	5464.5	5503.3	5448.3	5292.3	5350.0	5444.7	5989.3	6557.4	5368.9
40°	5541.2	5580.0	5727.8	5880.2	5838.7	5678.2	5705.3	5781.0	6242.7	6910.0	5603.4
42.5°	5729.6	5787.3	6004.7	6255.4	6304.9	6176.9	6191.3	6251.7	6618.8	7395.1	5986.6
45°	5955.1	6020.0	6341.9	6651.2	6783.8	6727.9	6789.2	6828.9	7110.2	8036.3	6503.3
47.5°	6286.0	6360.9	6755.8	7108.4	7341.0	7377.1	7500.7	7526.8	7731.5	8782.9	7176.9
50°	6931.7	6952.4	7309.5	7629.6	7965.0	8181.5	8322.1	8342.0	8483.5	9599.0	8018.2
52.5°	7744.1	7757.6	7959.6	8174.2	8555.7	8997.5	9326.7	9354.6	9384.4	10394.3	8848.7
55°	8551.2	8549.4	8682.8	8809.1	9245.5	9887.5	10601.7	10618.9	10405.1	11149.1	9483.6
57.5°	9055.2	9103.9	9306.8	9469.1	10078.7	10902.0	11893.0	11956.1	11477.3	11708.2	10111.2
60°	8894.7	8918.2	9368.1	9968.7	11116.6	12343.9	13199.6	13215.9	12283.5	12266.3	10904.7
62.5°	7578.2	7590.8	8297.8	9535.9	11642.3	14214.1	14775.9	14511.7	13210.5	13040.9	11854.2
65°	5194.0	5276.1	5866.7	7397.0	10676.6	15387.2	17216.0	16778.6	14623.5	14157.3	12712.7
67.5°	3058.7	3041.6	3333.7	4460.9	7841.5	14608.1	20302.6	19868.0	16550.5	14904.8	12461.1
70°	2089.3	2077.6	2189.4	2700.7	4426.6	11332.1	21273.8	22151.2	18252.1	14401.6	10724.4
72.5°	1491.5	1497.8	1662.8	2098.3	2779.2	6602.5	18294.4	20371.1	17719.1	12554.9	8151.7
75°	1012.7	1029.8	1266.0	1721.4	2436.5	3359.0	12982.3	15485.5	14428.7	9124.7	4685.4
77.5°	544.6	563.6	842.2	1386.9	2202.9	2333.7	8351.0	10657.6	9063.4	4102.0	1358.0
80°	227.2	238.1	394.1	1008.1	1903.6	2049.6	4913.6	6462.8	3862.1	808.9	303.0
82.5°	98.3	103.7	164.1	601.5	1422.9	1730.4	2601.5	3109.2	1170.5	177.6	152.4
85°	18.9	19.8	67.6	318.3	908.0	976.6	1686.2	1652.9	525.7	76.6	110.9
87.5°	0.0	0.0	16.2	100.1	266.9	532.0	1028.9	1016.3	178.5	37.0	41.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P323470
 CATALOG NUMBER: GAN-SA6A-730-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6405.9	6405.9	6405.9	6405.9	6405.9	6405.9	6405.9	6405.9	6405.9	6405.9	6405.9
2.5°	6355.4	6293.2	6162.5	6001.1	5877.5	5741.4	5633.2	5496.1	5436.6	5439.3	5406.8
5°	6213.0	6084.9	5795.5	5430.3	5148.9	4858.6	4608.8	4359.9	4212.9	4165.1	4120.0
7.5°	6009.2	5806.3	5344.6	4781.9	4305.8	3840.5	3435.6	3079.4	2854.0	2744.0	2703.4
10°	5779.2	5494.3	4826.1	4084.9	3405.0	2775.5	2250.7	1794.5	1612.3	1488.8	1457.2
12.5°	5577.2	5191.3	4319.3	3369.8	2562.7	1803.5	1303.0	1019.0	895.4	846.7	838.6
15°	5387.0	4908.2	3831.5	2722.3	1774.6	1110.0	828.7	732.2	703.4	695.2	695.2
17.5°	5207.5	4638.5	3354.5	2084.8	1174.1	778.2	686.2	664.6	655.6	654.7	655.6
20°	5020.0	4368.9	2885.6	1527.5	819.7	659.2	633.9	622.2	619.5	619.5	619.5
22.5°	4840.5	4099.3	2429.3	1091.1	657.4	601.5	588.8	580.7	578.0	577.1	575.3
25°	4668.3	3843.2	1983.8	771.0	577.1	551.0	540.1	529.3	521.2	516.7	514.0
27.5°	4526.7	3615.1	1569.0	618.6	521.2	498.7	485.1	468.9	449.1	440.0	436.4
30°	4414.0	3406.8	1209.2	522.1	468.9	446.4	425.6	397.7	368.8	353.5	352.6
32.5°	4325.6	3202.1	918.0	461.7	422.0	394.1	364.3	329.1	295.8	278.6	277.7
35°	4282.4	3021.7	701.6	417.5	380.5	345.4	308.4	269.6	237.2	220.9	219.1
37.5°	4311.2	2869.3	547.4	380.5	345.4	304.8	261.5	220.9	192.1	177.6	176.7
40°	4416.7	2771.9	444.6	349.0	315.6	266.0	219.1	181.2	156.9	145.2	144.3
42.5°	4641.2	2735.9	379.6	322.8	286.8	229.9	182.2	149.7	127.1	119.0	117.2
45°	5016.4	2789.1	335.4	297.6	257.0	195.7	150.6	122.6	102.8	96.5	95.6
47.5°	5515.9	2928.8	303.9	273.2	229.9	165.0	125.3	99.2	83.9	77.5	76.6
50°	6159.8	3150.7	277.7	248.9	204.7	139.8	103.7	78.5	64.9	60.4	60.4
52.5°	6860.4	3414.9	254.3	226.3	179.4	116.3	83.9	60.4	51.4	46.0	46.0
55°	7439.3	3645.7	229.0	209.2	148.8	96.5	64.0	46.0	37.9	35.2	35.2
57.5°	8017.3	3891.9	200.2	179.4	119.0	78.5	48.7	34.3	28.0	26.2	26.2
60°	8766.7	4193.1	172.2	146.1	93.8	59.5	36.1	24.3	20.7	19.8	19.8
62.5°	9590.9	4369.8	147.0	117.2	73.0	44.2	26.2	16.2	15.3	15.3	14.4
65°	10094.9	4120.0	123.5	93.8	56.8	33.4	17.1	11.7	13.5	12.6	10.8
67.5°	9452.0	3225.5	101.0	73.0	44.2	25.2	10.8	8.1	14.4	11.7	9.0
70°	7826.2	2258.0	78.5	51.4	35.2	21.6	7.2	5.4	15.3	11.7	7.2
72.5°	5856.8	1511.3	62.2	34.3	26.2	18.9	6.3	2.7	13.5	9.9	6.3
75°	3200.3	608.7	49.6	21.6	16.2	13.5	4.5	1.8	9.0	7.2	4.5
77.5°	842.2	160.5	36.1	14.4	9.0	5.4	2.7	0.9	4.5	3.6	1.8
80°	214.6	62.2	23.4	9.9	6.3	2.7	0.0	0.0	0.9	0.0	0.0
82.5°	114.5	26.2	14.4	7.2	3.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	86.6	17.1	8.1	4.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	33.4	5.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)