

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: P323801

Luminaire Tested: **GAN-SA7B-730-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7B-730-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29877 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

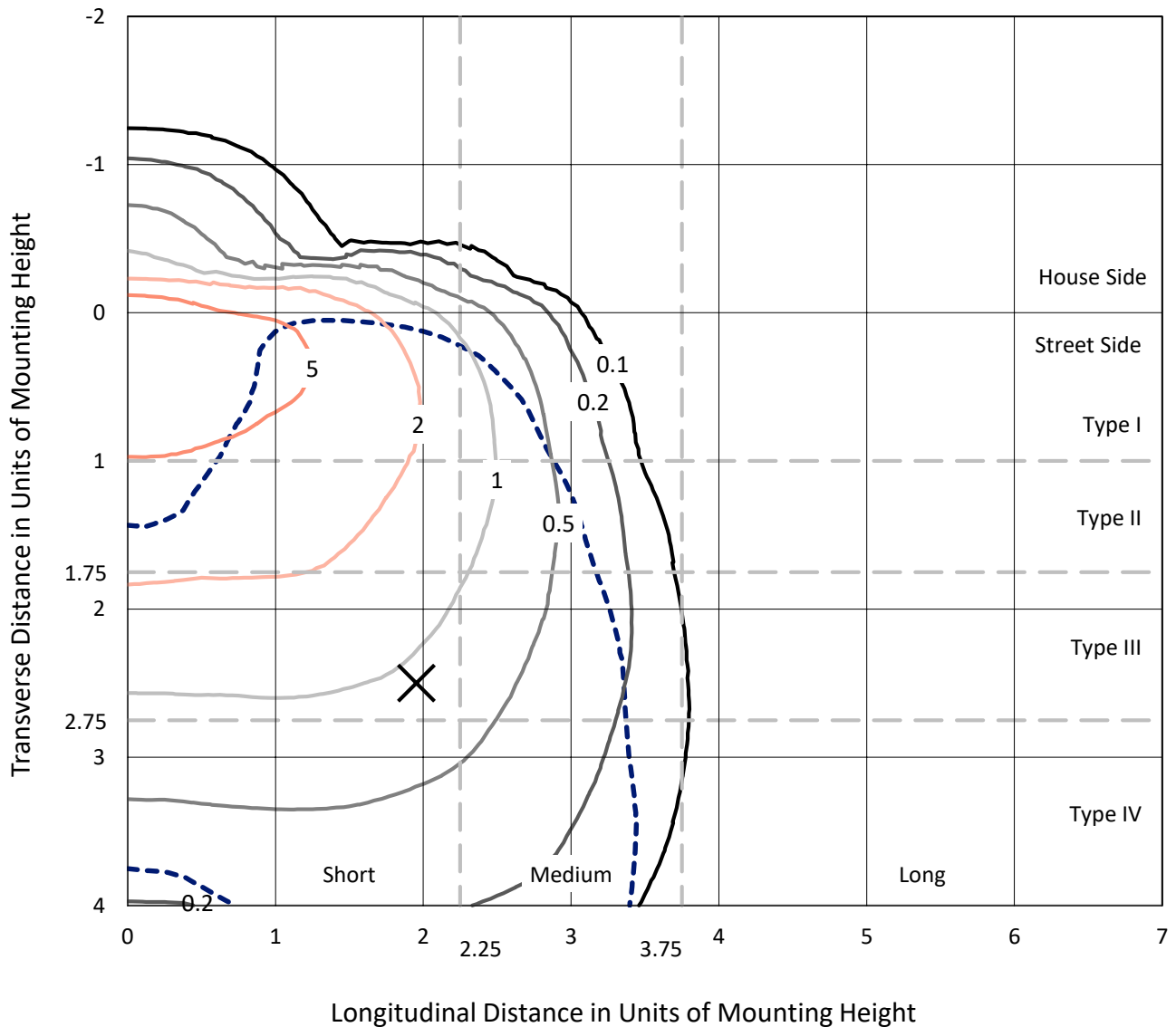
Input Watts (W): 295
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

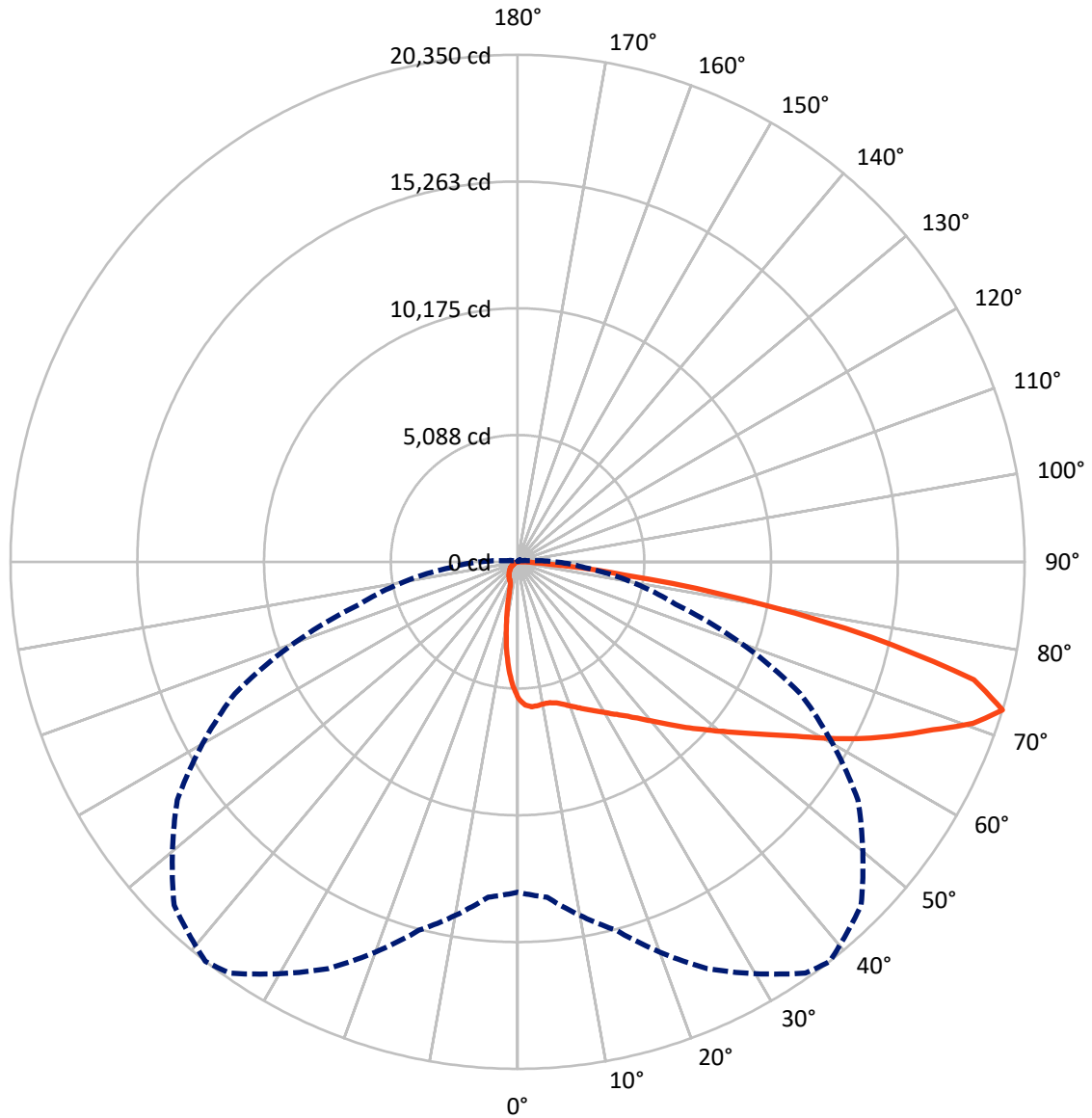
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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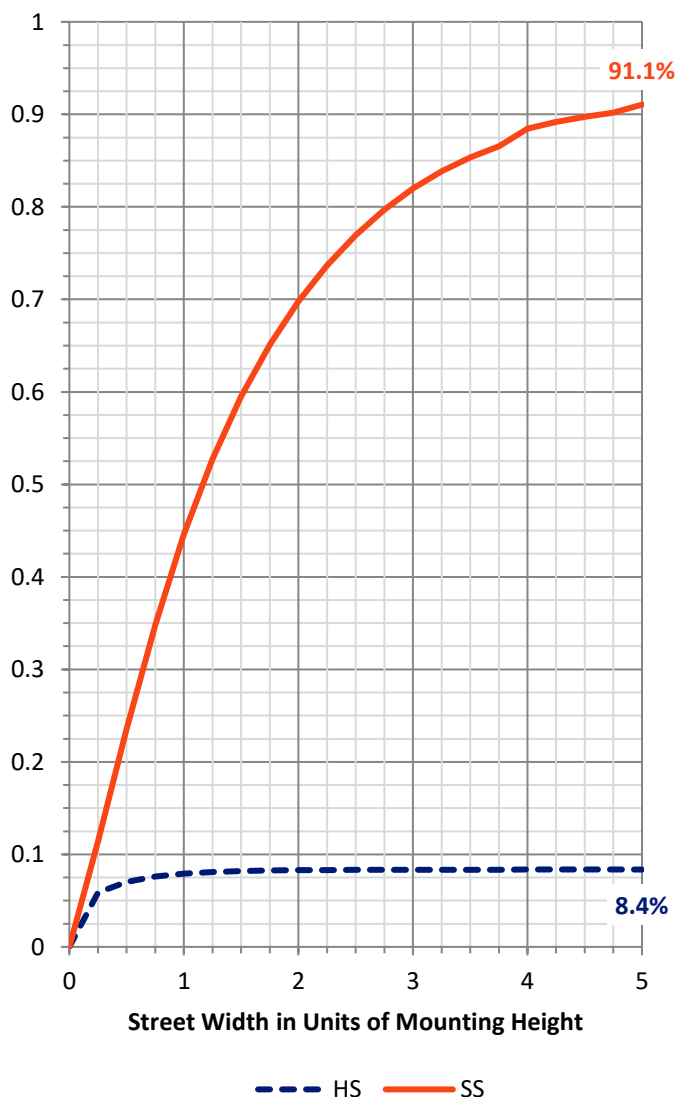
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2514.3	0.0	2514.3
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	27362.7	0.0	27362.7
	% Fixture	91.6	0.0	91.6
Total	Lumens	29877.0	0.0	29877.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.2	1.6
10°-20°	1144.9	3.8
20°-30°	1820.9	6.1
30°-40°	2737.6	9.2
40°-50°	4176.4	14.0
50°-60°	5902.6	19.8
60°-70°	7403.9	24.8
70°-80°	5536.0	18.5
80°-90°	686.4	2.3
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°	29877.0	100.0
0°-180°	29877.0	100.0

Coefficient of Utilization

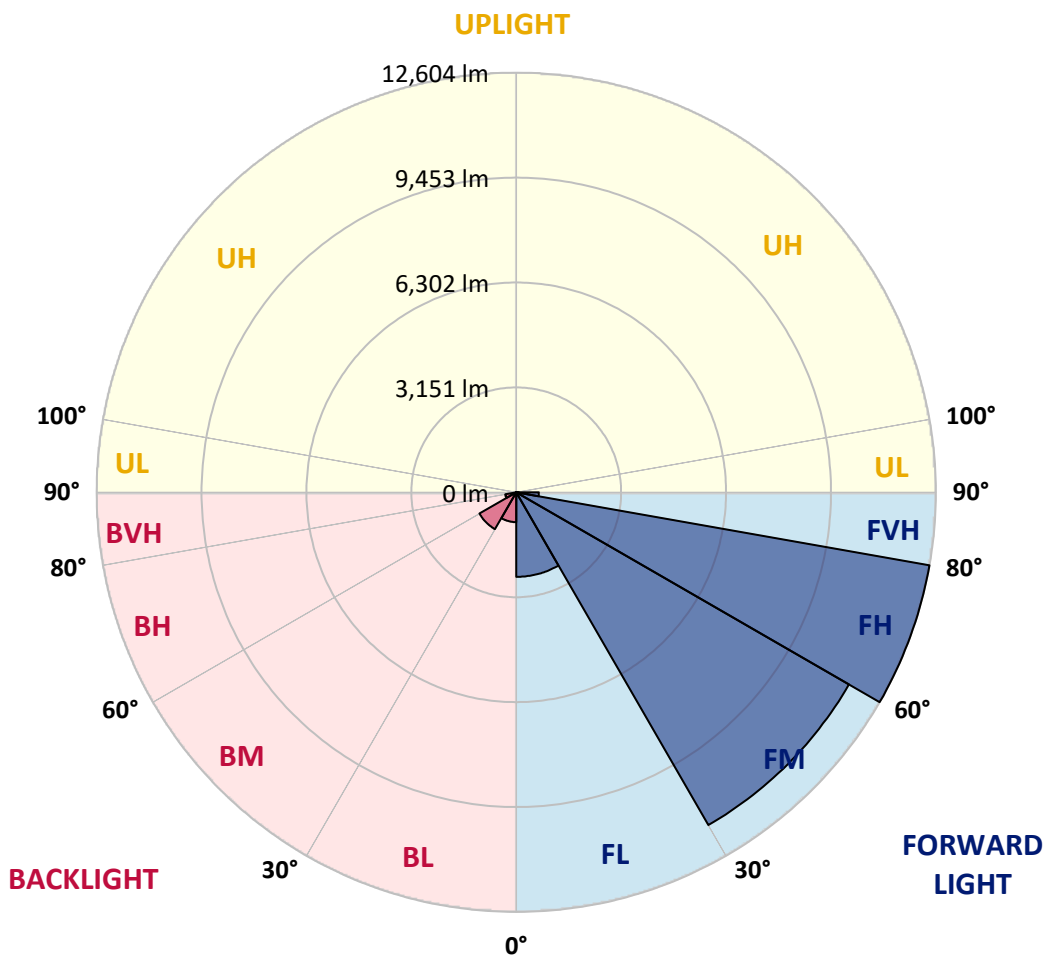


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2538.8	8.5			
FM (30°-60°)	11539.8	38.6			
FH (60°-80°)	12604.0	42.2			G5
FVH (80°-90°)	680.0	2.3			G4/750
BL (0°-30°)	895.2	3.0	B2/1000		
BM (30°-60°)	1276.8	4.3	B2/2500		
BH (60°-80°)	335.9	1.1	B1/500		G1/500
BVH (80°-90°)	6.4	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-G5
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	5494.3	5494.3	5494.3	5494.3	5494.3	5494.3	5494.3	5494.3	5494.3	5494.3	5494.3
2.5°	5831.8	5833.0	5819.4	5797.0	5768.5	5753.6	5728.8	5689.1	5646.9	5571.2	5489.3
5°	5950.9	5950.9	5933.5	5903.7	5857.8	5844.2	5797.0	5733.8	5646.9	5524.1	5386.3
7.5°	5938.5	5941.0	5917.4	5886.4	5840.5	5828.1	5771.0	5700.3	5592.3	5443.4	5267.2
10°	5874.0	5880.2	5861.6	5846.7	5804.5	5790.8	5737.5	5666.8	5558.8	5400.0	5197.7
12.5°	5808.2	5814.4	5820.6	5834.3	5808.2	5803.2	5761.1	5701.5	5598.5	5433.5	5205.2
15°	5766.0	5778.4	5823.1	5876.4	5882.7	5877.7	5850.4	5794.6	5690.3	5519.1	5258.5
17.5°	5766.0	5785.9	5878.9	5980.7	6016.7	6020.4	5996.8	5918.6	5794.6	5610.9	5308.2
20°	5814.4	5841.7	5986.9	6130.8	6190.4	6190.4	6144.5	6035.3	5890.1	5694.1	5341.7
22.5°	5938.5	5974.5	6156.9	6323.1	6386.4	6372.8	6310.7	6151.9	5989.4	5788.4	5383.9
25°	6182.9	6210.2	6400.1	6567.6	6606.0	6575.0	6496.9	6293.4	6115.9	5916.2	5460.8
27.5°	6498.1	6501.8	6697.9	6839.3	6815.7	6794.6	6696.6	6470.8	6298.3	6098.6	5593.5
30°	6844.3	6844.3	7016.7	7124.7	7052.7	7035.4	6937.3	6685.5	6531.6	6346.7	5782.1
32.5°	7179.3	7194.2	7334.4	7402.6	7322.0	7304.6	7209.1	6957.2	6841.8	6725.2	6076.2
35°	7503.1	7514.3	7647.1	7684.3	7607.4	7612.3	7544.1	7330.7	7287.2	7272.4	6519.2
37.5°	7817.1	7819.5	7954.8	7978.4	7939.9	7982.1	7988.3	7799.7	7880.3	8000.7	7143.3
40°	8103.7	8106.2	8240.2	8301.0	8366.7	8421.3	8469.7	8369.2	8636.0	8915.2	7886.6
42.5°	8333.2	8359.3	8529.3	8644.7	8818.4	8922.6	9054.1	9049.2	9535.6	9955.0	8784.9
45°	8535.5	8580.2	8817.2	9019.4	9317.2	9483.5	9689.4	9850.7	10548.1	11112.6	9694.4
47.5°	8802.3	8844.5	9114.9	9446.2	9843.3	10061.7	10402.9	10751.6	11661.1	12249.2	10582.8
50°	9178.2	9159.6	9426.4	9901.6	10411.6	10698.2	11184.6	11707.0	12765.4	13239.4	11105.2
52.5°	9579.0	9571.6	9768.9	10396.7	11081.6	11416.6	12059.4	12694.7	13821.3	13921.8	11344.7
55°	10075.3	10022.0	10188.2	10961.3	11877.0	12236.8	12993.7	13672.4	14662.6	14306.5	11465.0
57.5°	10595.2	10507.1	10666.0	11590.4	12774.1	13199.7	14028.5	14625.4	15222.2	14569.5	11463.8
60°	11132.5	11028.3	11216.9	12377.0	13888.3	14380.9	15150.2	15269.3	15744.6	14702.3	11379.4
62.5°	11581.7	11519.6	11800.0	13218.3	15132.9	15616.8	15997.7	15855.0	16185.1	14805.3	11182.1
65°	12056.9	12060.6	12513.5	14199.8	16455.5	16781.9	16814.1	16614.4	16553.6	14784.2	10514.6
67.5°	12699.6	12759.2	13514.8	15532.4	17742.3	17994.1	17991.7	17437.0	16822.8	13945.4	9034.3
70°	13379.6	13519.8	14668.8	17057.3	19146.9	19402.5	19270.9	17960.6	15840.1	11276.4	6393.9
72.5°	13265.4	13508.6	15310.3	18019.0	20155.6	20350.4	19495.5	16673.9	12519.7	6553.9	2722.3
75°	10234.2	10515.8	14038.5	17066.0	19097.2	18922.3	16750.9	12975.1	6841.8	1828.9	613.0
77.5°	5406.2	5556.3	9273.8	13001.1	14890.9	14524.9	11800.0	7197.9	2085.8	452.9	275.5
80°	2831.5	2866.3	4041.3	7376.6	9190.6	9193.1	6993.2	3161.6	859.9	232.0	184.9
82.5°	1516.3	1546.0	2135.4	3408.5	4815.6	4365.1	2677.7	1739.6	500.0	131.5	177.4
85°	364.8	371.0	1211.0	1557.2	1893.5	1352.5	795.4	1460.4	135.2	76.9	143.9
87.5°	140.2	142.7	449.2	673.8	482.7	312.7	372.2	544.7	17.4	29.8	22.3
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°	5494.3	5494.3	5494.3	5494.3	5494.3	5494.3	5494.3	5494.3	5494.3	5494.3	5494.3
2.5°	5439.7	5407.4	5328.0	5227.5	5138.2	5073.6	4976.9	4913.6	4871.4	4870.2	4854.0
5°	5302.0	5236.2	5065.0	4861.5	4676.6	4510.3	4314.3	4159.2	4043.8	4025.2	3985.5
7.5°	5154.3	5046.4	4783.3	4465.7	4155.5	3840.3	3474.3	3247.2	3052.4	2959.3	2949.4
10°	5063.7	4912.3	4538.9	4079.8	3593.4	3080.9	2602.0	2270.7	2031.2	1963.0	1912.1
12.5°	5045.1	4845.3	4350.3	3717.4	3022.6	2345.1	1815.3	1462.9	1271.8	1211.0	1194.9
15°	5063.7	4814.3	4191.4	3358.9	2444.4	1663.9	1218.5	1013.7	941.8	924.4	923.2
17.5°	5074.9	4777.1	4011.5	2960.6	1883.5	1188.7	933.1	873.5	862.4	861.1	863.6
20°	5073.6	4720.0	3796.9	2516.4	1400.9	934.3	843.7	831.3	828.9	830.1	828.9
22.5°	5065.0	4653.0	3561.1	2058.5	1058.4	835.1	805.3	797.8	796.6	796.6	796.6
25°	5081.1	4599.7	3301.8	1620.5	872.3	789.2	770.5	764.3	763.1	763.1	760.6
27.5°	5139.4	4569.9	3017.6	1247.0	787.9	748.2	733.3	732.1	728.4	727.1	729.6
30°	5233.7	4569.9	2706.2	970.3	737.0	706.0	694.9	692.4	691.1	689.9	691.1
32.5°	5400.0	4604.6	2366.2	806.5	688.6	658.9	651.4	655.1	651.4	651.4	651.4
35°	5700.3	4708.9	2010.1	703.5	637.8	613.0	605.5	610.5	608.0	608.0	606.8
37.5°	6138.3	4902.4	1651.5	641.5	593.1	567.0	557.1	564.6	562.1	562.1	560.8
40°	6671.8	5184.1	1310.3	594.3	549.7	522.4	513.7	517.4	511.2	511.2	513.7
42.5°	7330.7	5541.4	1012.5	548.4	506.2	480.2	475.2	471.5	460.3	454.1	455.4
45°	8062.7	5913.7	789.2	503.8	465.3	444.2	436.8	426.8	408.2	395.8	397.1
47.5°	8716.7	6200.3	641.5	460.3	428.1	411.9	400.8	382.2	354.9	340.0	341.2
50°	9060.4	6243.7	546.0	416.9	393.3	377.2	361.1	332.5	300.3	284.1	282.9
52.5°	9148.5	6040.2	475.2	377.2	358.6	340.0	318.9	280.4	244.4	227.1	224.6
55°	9180.7	5730.0	411.9	340.0	321.4	300.3	273.0	229.5	196.0	178.7	177.4
57.5°	9074.0	5267.2	362.3	306.5	284.1	258.1	224.6	183.6	151.4	137.7	137.7
60°	8837.0	4640.6	323.8	270.5	245.7	215.9	181.2	142.7	112.9	101.7	101.7
62.5°	8364.3	3829.1	287.9	233.3	209.7	178.7	146.4	107.9	79.4	73.2	74.4
65°	7472.1	2904.7	251.9	199.8	178.7	147.7	114.2	76.9	53.4	53.4	55.8
67.5°	6093.6	2017.5	214.7	170.0	153.9	120.4	86.9	53.4	37.2	42.2	47.2
70°	4033.9	1131.6	183.6	140.2	131.5	95.5	64.5	36.0	29.8	39.7	48.4
72.5°	1522.5	440.5	153.9	112.9	114.2	73.2	45.9	27.3	27.3	43.4	57.1
75°	424.4	215.9	110.4	83.1	89.3	53.4	33.5	23.6	26.1	49.6	67.0
77.5°	249.4	158.8	72.0	48.4	60.8	37.2	22.3	18.6	22.3	42.2	64.5
80°	201.0	84.4	42.2	24.8	33.5	21.1	14.9	11.2	6.2	16.1	33.5
82.5°	201.0	50.9	19.9	17.4	17.4	11.2	7.4	5.0	1.2	0.0	8.7
85°	135.2	21.1	12.4	11.2	8.7	3.7	2.5	1.2	0.0	0.0	0.0
87.5°	22.3	8.7	5.0	2.5	1.2	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)