

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: P323483

Luminaire Tested: **GAN-SA9B-730-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323483
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-SA9B-730-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 800mA 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: 39746 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

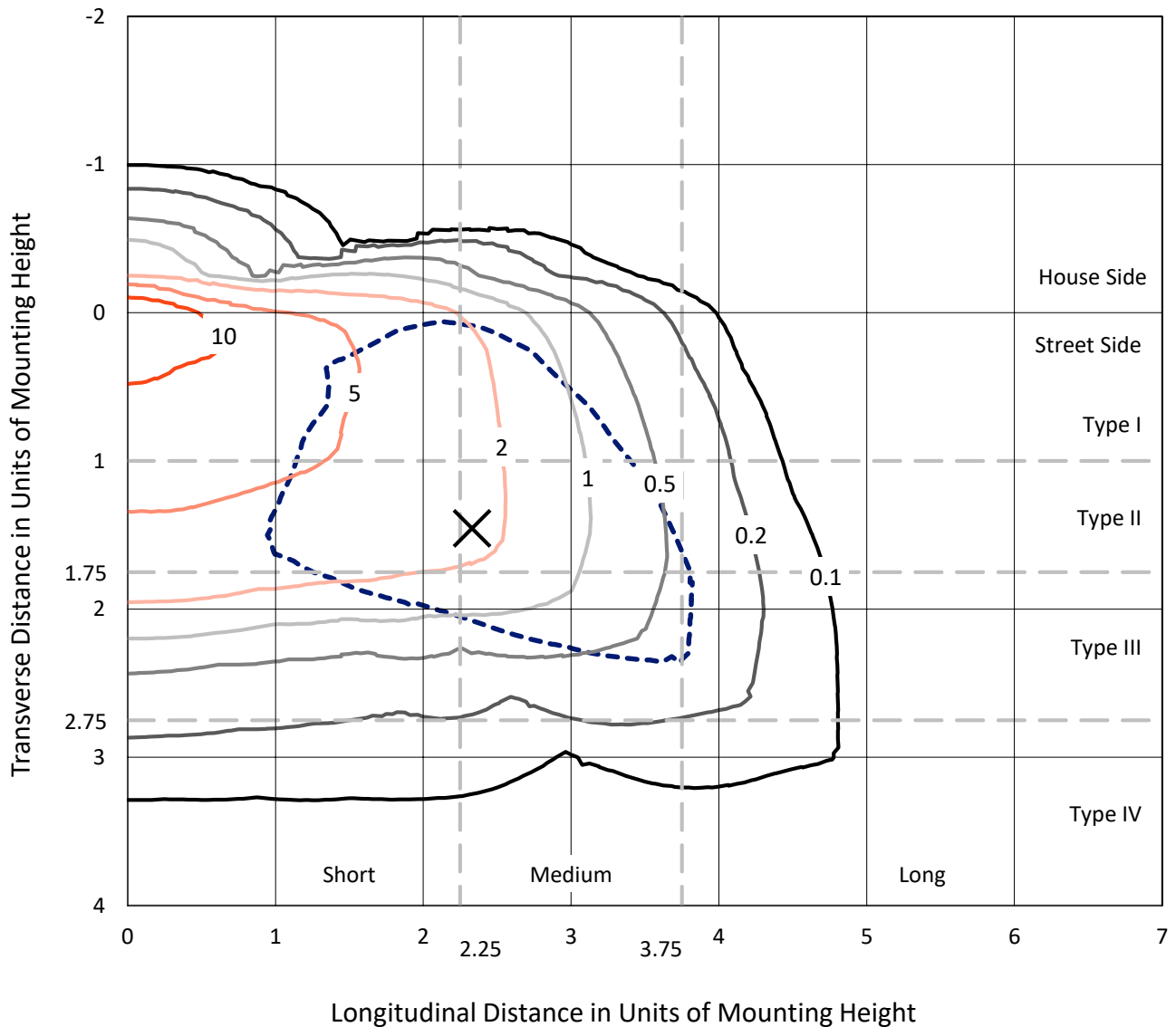
Input Watts (W): 374
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

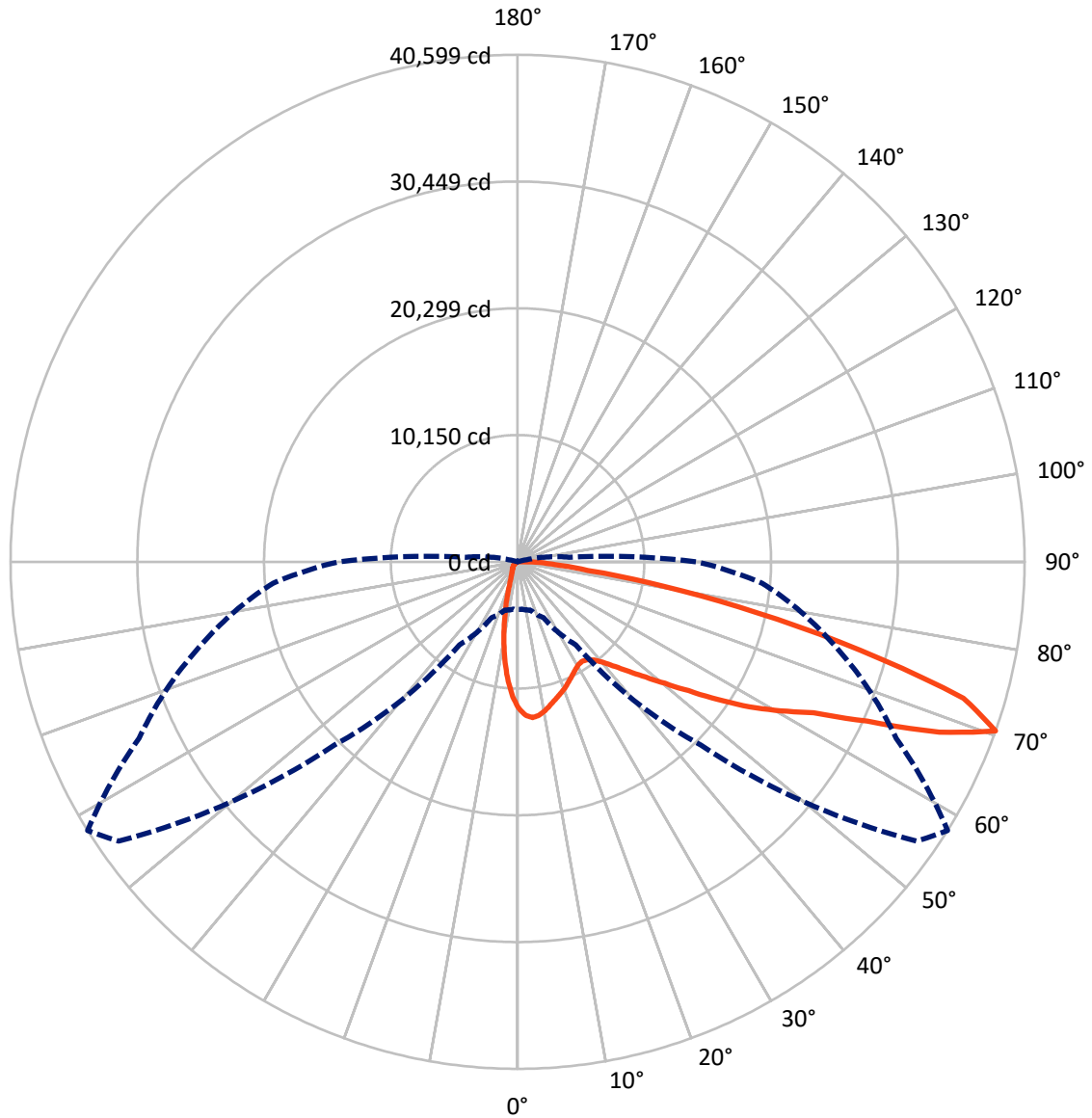
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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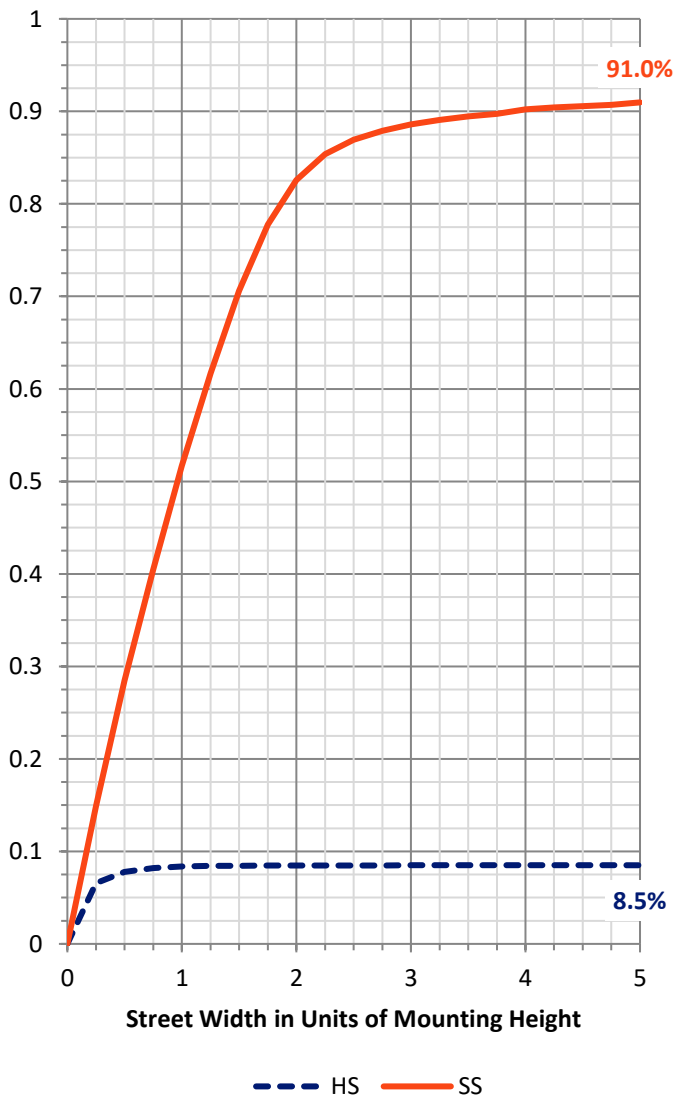
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3401.4	0.0	3401.4
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	36344.6	0.0	36344.6
	% Fixture	91.4	0.0	91.4
Total	Lumens	39746.0	0.0	39746.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	960.1	2.4
10°-20°	2015.0	5.1
20°-30°	2649.0	6.7
30°-40°	3508.4	8.8
40°-50°	5243.9	13.2
50°-60°	8400.6	21.1
60°-70°	10588.8	26.6
70°-80°	5711.6	14.4
80°-90°	668.6	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°	39746.0	100.0
0°-180°	39746.0	100.0

Coefficient of Utilization

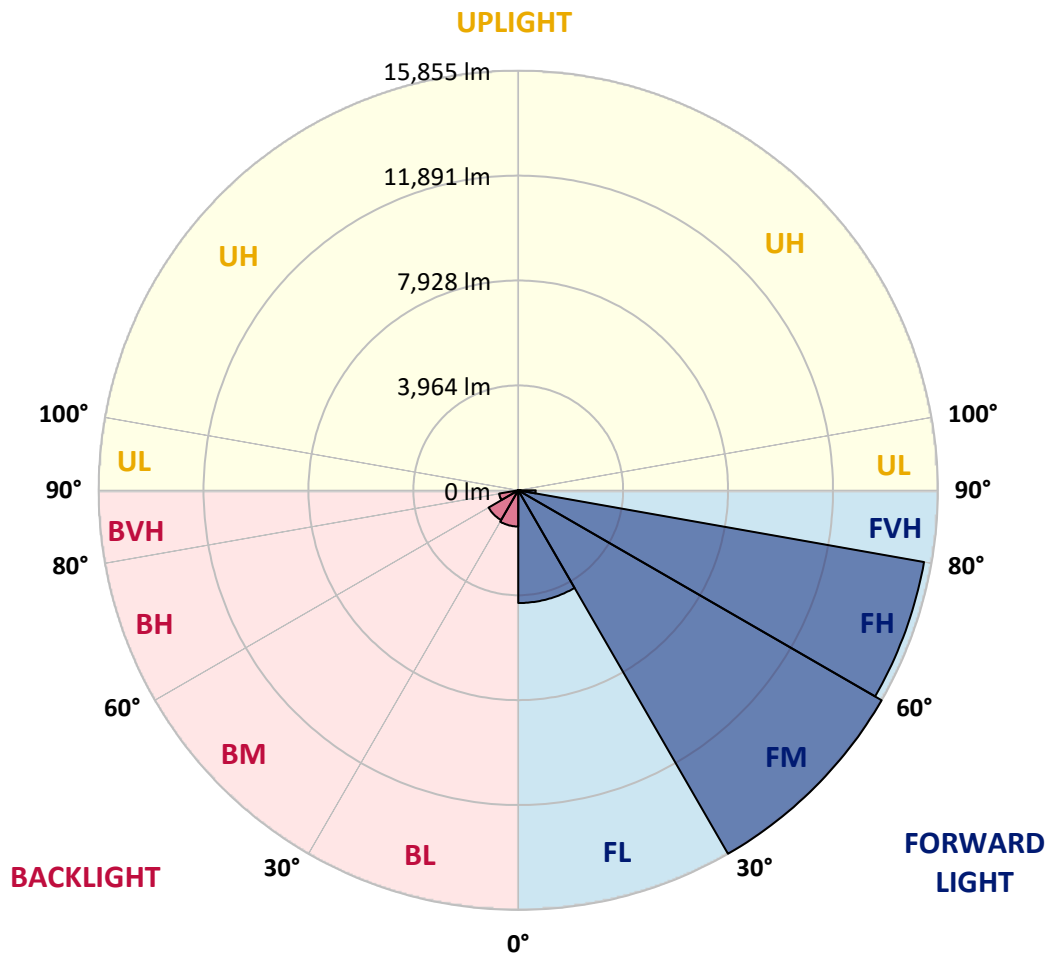


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4257.6	10.7			
FM (30°-60°)	15855.3	39.9			
FH (60°-80°)	15568.9	39.2			G5
FVH (80°-90°)	662.8	1.7			G4/750
BL (0°-30°)	1366.5	3.4	B3/2500		
BM (30°-60°)	1297.6	3.3	B2/2500		
BH (60°-80°)	731.5	1.8	B2/1000		G2/1000
BVH (80°-90°)	5.8	0.0			G0/10
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°	11740.8	11740.8	11740.8	11740.8	11740.8	11740.8	11740.8	11740.8	11740.8	11740.8	11740.8
2.5°	12714.2	12682.8	12671.3	12651.4	12575.4	12501.0	12353.9	12312.6	12220.1	12000.3	11767.2
5°	12724.1	12722.5	12757.2	12748.9	12722.5	12687.8	12582.0	12527.5	12370.5	12056.4	11630.0
7.5°	12111.0	12142.4	12220.1	12282.9	12355.6	12449.8	12463.0	12410.1	12281.2	11942.4	11377.2
10°	11287.9	11337.5	11446.6	11570.6	11760.6	11949.0	12117.6	12111.0	12066.4	11732.5	11073.1
12.5°	10463.2	10521.1	10646.7	10830.1	11099.5	11406.9	11707.7	11749.0	11823.4	11544.1	10792.1
15°	9741.0	9790.6	9914.5	10139.3	10473.2	10886.3	11327.6	11403.6	11595.3	11397.0	10557.4
17.5°	9127.9	9159.3	9250.2	9499.7	9886.5	10387.2	10960.7	11109.4	11395.4	11281.3	10354.2
20°	8699.8	8704.8	8764.3	8939.5	9326.2	9886.5	10580.6	10793.8	11183.8	11182.2	10144.3
22.5°	8488.3	8471.7	8483.3	8584.1	8868.4	9408.8	10200.5	10453.3	10993.8	11097.9	9931.1
25°	8448.6	8435.4	8402.3	8415.5	8587.4	8990.7	9817.0	10109.6	10826.8	11046.6	9746.0
27.5°	8572.6	8585.8	8529.6	8470.1	8483.3	8719.6	9476.6	9815.4	10691.3	11046.6	9615.4
30°	8822.1	8828.7	8787.4	8709.7	8605.6	8643.6	9240.2	9579.0	10623.6	11122.7	9532.8
32.5°	9098.1	9134.5	9129.5	9066.7	8918.0	8764.3	9184.1	9493.1	10618.6	11291.2	9524.5
35°	9440.2	9481.5	9551.0	9537.7	9382.4	9129.5	9375.8	9618.7	10716.1	11568.9	9613.8
37.5°	9803.8	9866.6	10015.4	10086.4	9985.6	9699.7	9805.5	9979.0	10977.2	12018.4	9840.2
40°	10155.8	10226.9	10497.9	10777.3	10701.2	10407.1	10456.6	10595.5	11441.6	12664.6	10269.9
42.5°	10501.3	10607.0	11005.3	11464.8	11555.7	11321.0	11347.4	11458.2	12130.8	13553.8	10972.3
45°	10914.4	11033.4	11623.4	12190.3	12433.3	12330.8	12443.2	12515.9	13031.5	14728.9	11919.3
47.5°	11521.0	11658.1	12382.0	13028.2	13454.6	13520.7	13747.2	13795.1	14170.2	16097.3	13153.8
50°	12704.3	12742.3	13396.8	13983.5	14598.3	14994.9	15252.8	15289.1	15548.6	17593.0	14695.8
52.5°	14193.4	14218.2	14588.4	14981.7	15680.8	16490.6	17093.9	17145.1	17199.6	19050.7	16217.9
55°	15672.6	15669.2	15913.8	16145.2	16945.1	18121.9	19430.8	19462.2	19070.5	20434.0	17381.4
57.5°	16596.4	16685.7	17057.5	17355.0	18472.2	19981.1	21797.5	21913.1	21035.6	21458.7	18531.7
60°	16302.2	16345.2	17169.9	18270.6	20374.5	22623.8	24192.2	24222.0	22513.1	22481.7	19986.1
62.5°	13889.3	13912.4	15208.1	17477.3	21338.0	26051.5	27081.1	26596.9	24212.1	23901.3	21726.4
65°	9519.6	9669.9	10752.5	13557.1	19568.0	28201.7	31553.3	30751.8	26801.8	25947.4	23299.8
67.5°	5606.0	5574.6	6110.0	8175.9	14371.9	26773.7	37210.5	36413.9	30333.7	27317.5	22838.7
70°	3829.3	3807.8	4012.8	4949.8	8113.1	20769.5	38990.5	40598.6	33452.3	26395.3	19655.6
72.5°	2733.6	2745.1	3047.6	3845.8	5093.6	12101.1	33530.0	37336.1	32475.6	23010.5	14940.4
75°	1856.0	1887.4	2320.4	3155.0	4465.6	6156.3	23793.9	28381.8	26444.9	16723.7	8587.4
77.5°	998.2	1032.9	1543.6	2541.9	4037.5	4277.2	15305.7	19533.3	16611.3	7518.1	2489.0
80°	416.5	436.3	722.2	1847.7	3488.8	3756.6	9005.6	11844.9	7078.5	1482.5	555.3
82.5°	180.1	190.1	300.8	1102.4	2608.0	3171.5	4768.0	5698.5	2145.2	325.6	279.3
85°	34.7	36.4	124.0	583.4	1664.3	1789.9	3090.5	3029.4	963.5	140.5	203.3
87.5°	0.0	0.0	29.7	183.4	489.2	975.1	1885.7	1862.6	327.2	67.8	76.0
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°	11740.8	11740.8	11740.8	11740.8	11740.8	11740.8	11740.8	11740.8	11740.8	11740.8	11740.8
2.5°	11648.2	11534.2	11294.6	10998.7	10772.3	10522.7	10324.4	10073.2	9964.1	9969.1	9909.6
5°	11387.1	11152.4	10621.9	9952.6	9436.9	8904.7	8446.9	7990.8	7721.4	7633.8	7551.2
7.5°	11013.6	10641.7	9795.6	8764.3	7891.6	7038.8	6296.8	5644.0	5230.8	5029.2	4954.8
10°	10592.2	10069.9	8845.3	7486.7	6240.6	5087.0	4125.1	3288.9	2955.0	2728.6	2670.8
12.5°	10221.9	9514.6	7916.4	6176.1	4697.0	3305.4	2388.2	1867.6	1641.1	1551.9	1537.0
15°	9873.2	8995.6	7022.3	4989.5	3252.5	2034.5	1518.8	1342.0	1289.1	1274.2	1274.2
17.5°	9544.3	8501.5	6148.0	3821.0	2151.8	1426.3	1257.7	1218.0	1201.5	1199.9	1201.5
20°	9200.6	8007.3	5288.6	2799.7	1502.3	1208.1	1161.8	1140.4	1135.4	1135.4	1135.4
22.5°	8871.7	7513.2	4452.4	1999.8	1204.8	1102.4	1079.2	1064.3	1059.4	1057.7	1054.4
25°	8556.0	7043.8	3635.9	1413.1	1057.7	1009.8	990.0	970.1	955.3	947.0	942.0
27.5°	8296.6	6625.7	2875.7	1133.8	955.3	913.9	889.2	859.4	823.0	806.5	799.9
30°	8090.0	6243.9	2216.3	956.9	859.4	818.1	780.1	728.8	676.0	647.9	646.2
32.5°	7928.0	5868.7	1682.4	846.2	773.5	722.2	667.7	603.2	542.1	510.7	509.0
35°	7848.7	5538.2	1285.8	765.2	697.4	633.0	565.2	494.2	434.7	404.9	401.6
37.5°	7901.6	5258.9	1003.2	697.4	633.0	558.6	479.3	404.9	352.0	325.6	323.9
40°	8094.9	5080.4	814.8	639.6	578.4	487.5	401.6	332.2	287.6	266.1	264.4
42.5°	8506.4	5014.3	695.8	591.7	525.6	421.4	333.8	274.3	233.0	218.2	214.9
45°	9194.0	5111.8	614.8	545.4	471.0	358.6	276.0	224.8	188.4	176.8	175.2
47.5°	10109.6	5368.0	557.0	500.8	421.4	302.4	229.7	181.8	153.7	142.1	140.5
50°	11289.6	5774.5	509.0	456.1	375.2	256.2	190.1	143.8	119.0	110.7	110.7
52.5°	12573.7	6258.8	466.1	414.8	328.9	213.2	153.7	110.7	94.2	84.3	84.3
55°	13634.8	6681.9	419.8	383.4	272.7	176.8	117.3	84.3	69.4	64.5	64.5
57.5°	14694.2	7133.1	366.9	328.9	218.2	143.8	89.2	62.8	51.2	47.9	47.9
60°	16067.5	7685.1	315.7	267.7	171.9	109.1	66.1	44.6	38.0	36.4	36.4
62.5°	17578.1	8009.0	269.4	214.9	133.9	81.0	47.9	29.7	28.1	28.1	26.4
65°	18502.0	7551.2	226.4	171.9	104.1	61.1	31.4	21.5	24.8	23.1	19.8
67.5°	17323.6	5911.7	185.1	133.9	81.0	46.3	19.8	14.9	26.4	21.5	16.5
70°	14343.8	4138.4	143.8	94.2	64.5	39.7	13.2	9.9	28.1	21.5	13.2
72.5°	10734.3	2769.9	114.0	62.8	47.9	34.7	11.6	5.0	24.8	18.2	11.6
75°	5865.4	1115.6	90.9	39.7	29.7	24.8	8.3	3.3	16.5	13.2	8.3
77.5°	1543.6	294.2	66.1	26.4	16.5	9.9	5.0	1.7	8.3	6.6	3.3
80°	393.3	114.0	43.0	18.2	11.6	5.0	0.0	0.0	1.7	0.0	0.0
82.5°	209.9	47.9	26.4	13.2	6.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	158.7	31.4	14.9	8.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	61.1	9.9	5.0	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)