

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: P323514

Luminaire Tested: **GAN-SA0A-740-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323514
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-SA0A-740-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 4000K, 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: 39407 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

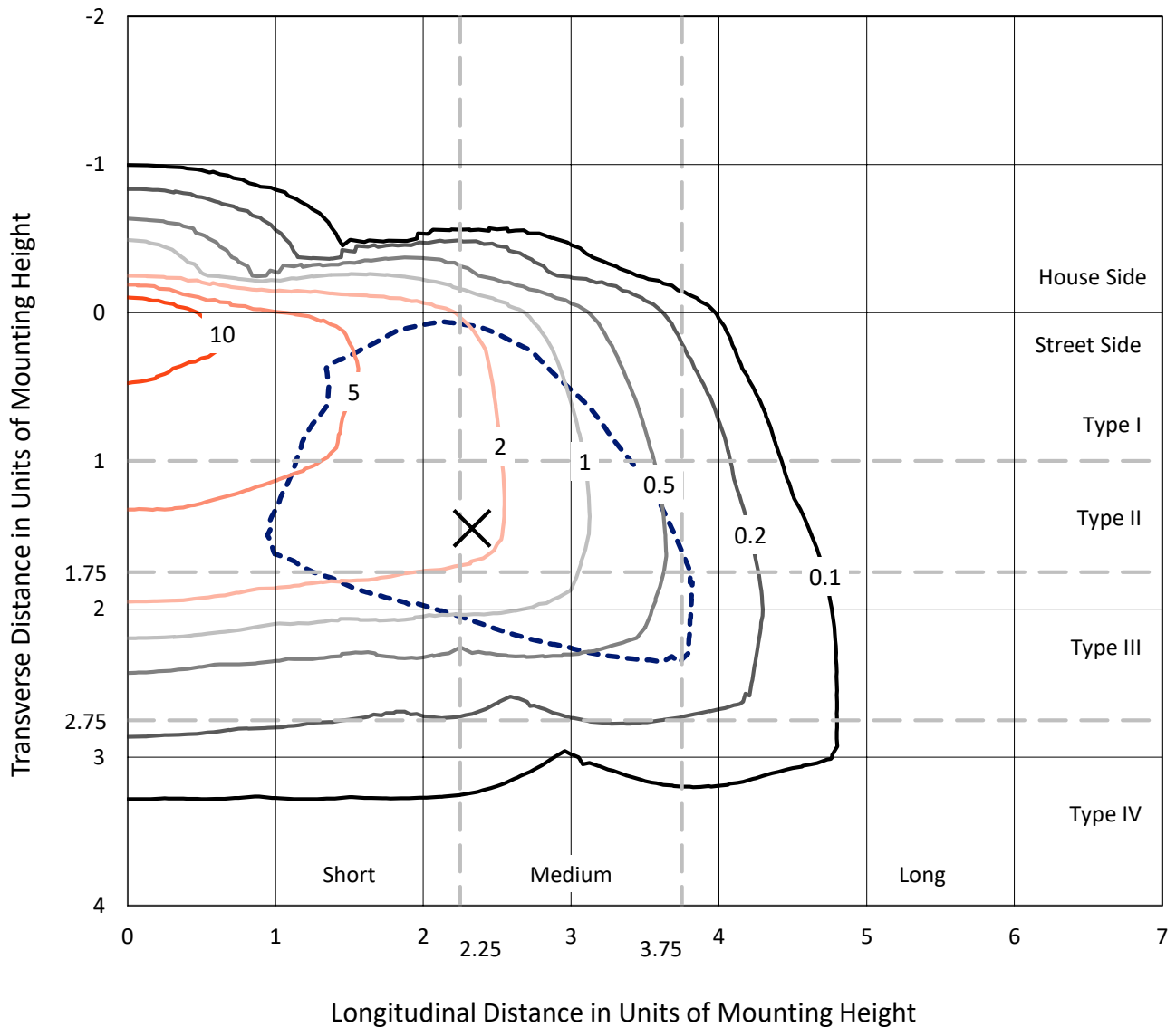
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

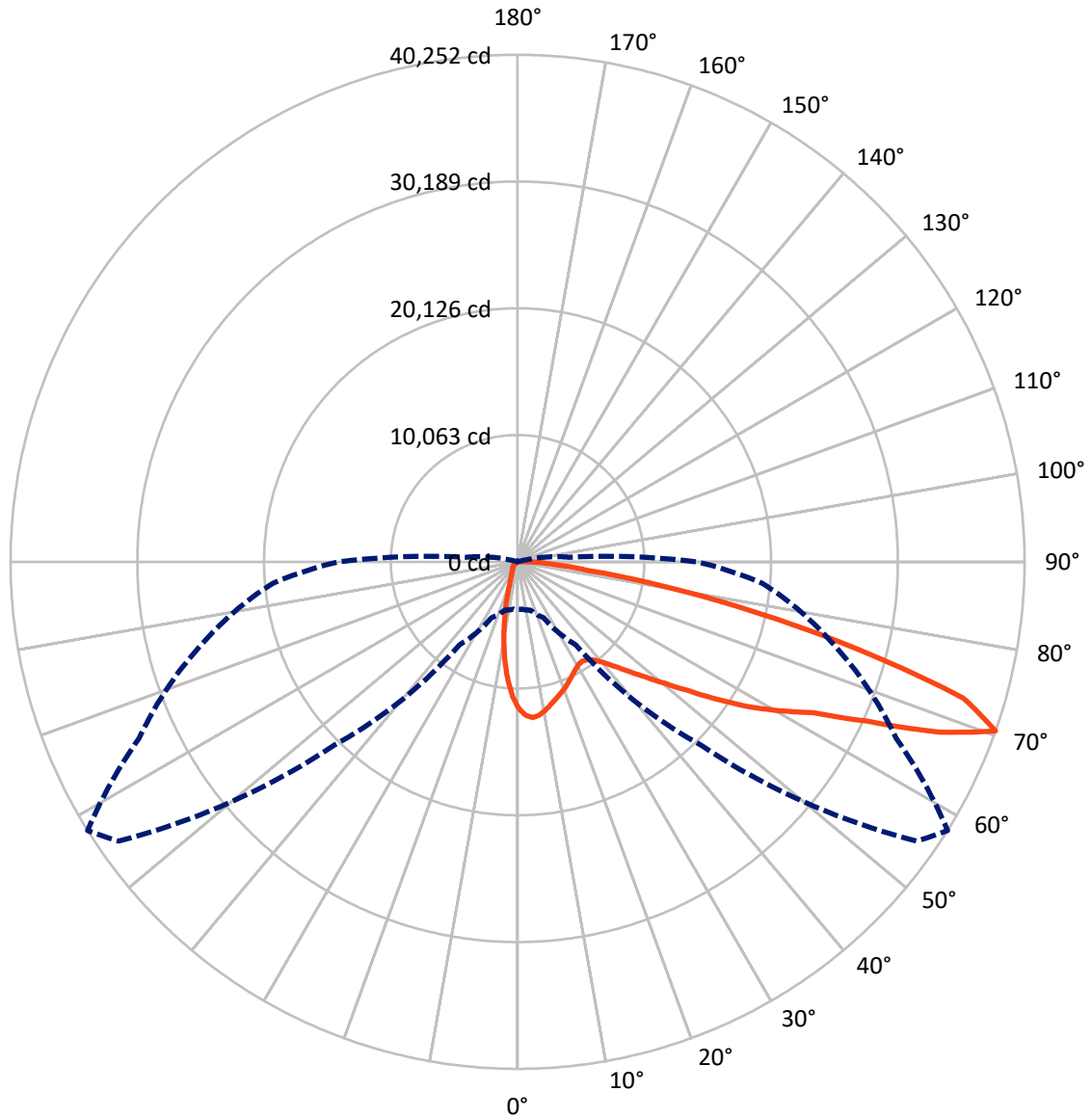
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.9 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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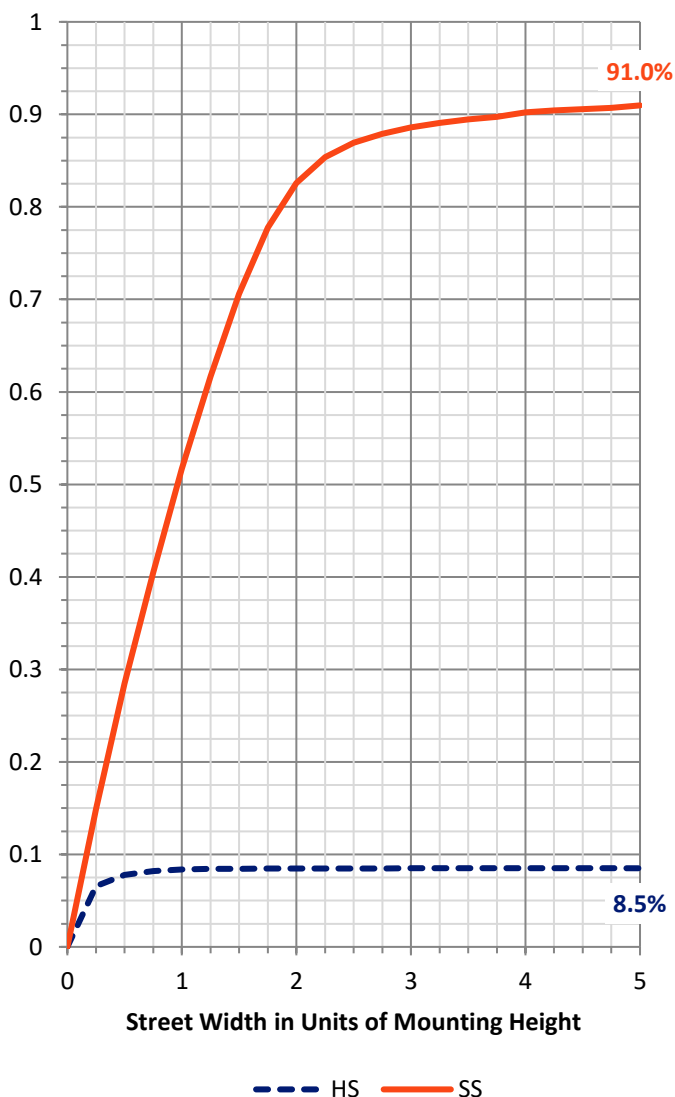
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3372.4	0.0	3372.4
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	36034.6	0.0	36034.6
	% Fixture	91.4	0.0	91.4
Total	Lumens	39407.0	0.0	39407.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	951.9	2.4
10°-20°	1997.8	5.1
20°-30°	2626.5	6.7
30°-40°	3478.4	8.8
40°-50°	5199.2	13.2
50°-60°	8328.9	21.1
60°-70°	10498.5	26.6
70°-80°	5662.9	14.4
80°-90°	662.8	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°	39407.0	100.0
0°-180°	39407.0	100.0

Coefficient of Utilization

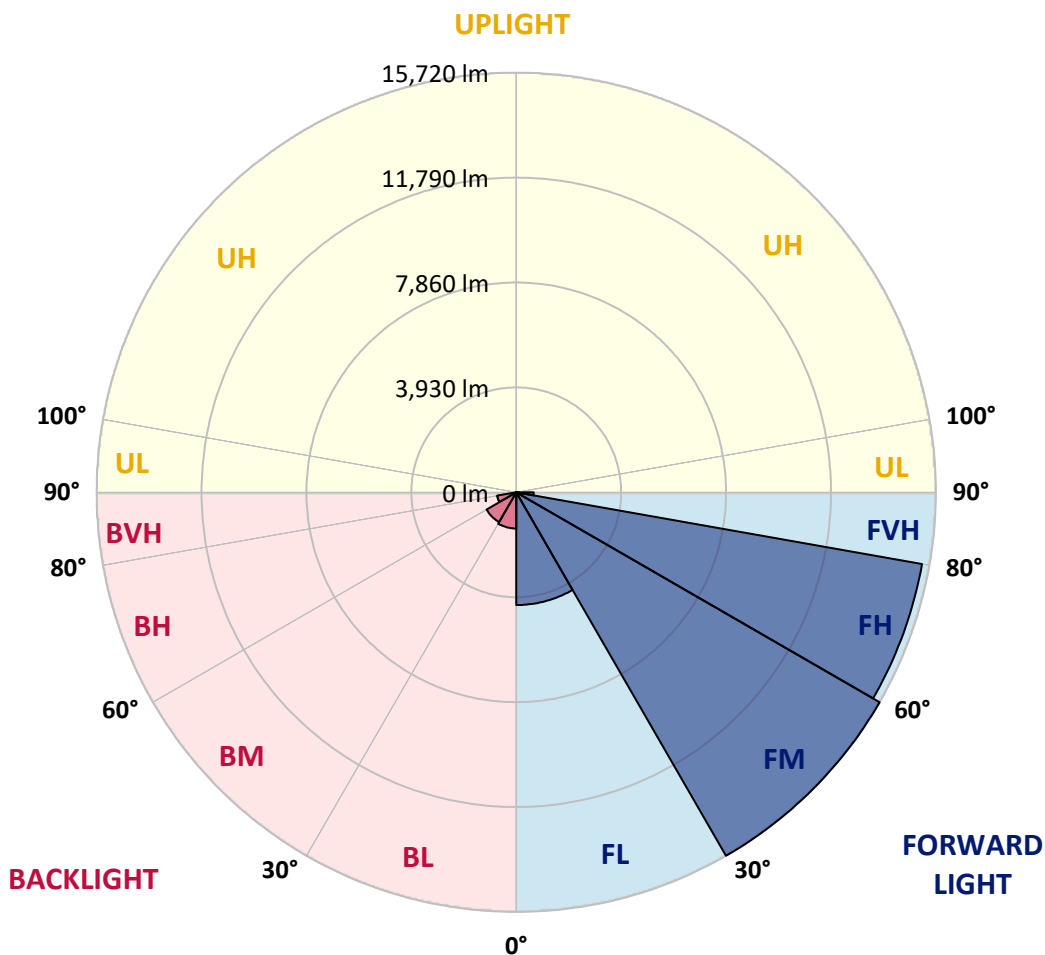


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4221.3	10.7			
FM (30°-60°)	15720.1	39.9			
FH (60°-80°)	15436.1	39.2			G5
FVH (80°-90°)	657.1	1.7			G4/750
BL (0°-30°)	1354.9	3.4	B3/2500		
BM (30°-60°)	1286.5	3.3	B2/2500		
BH (60°-80°)	725.2	1.8	B2/1000		G2/1000
BVH (80°-90°)	5.7	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°	11640.6	11640.6	11640.6	11640.6	11640.6	11640.6	11640.6	11640.6	11640.6	11640.6	11640.6
2.5°	12605.8	12574.6	12563.2	12543.5	12468.1	12394.4	12248.6	12207.6	12115.8	11897.9	11666.9
5°	12615.6	12614.0	12648.4	12640.2	12614.0	12579.6	12474.7	12420.6	12264.9	11953.6	11530.9
7.5°	12007.7	12038.8	12115.8	12178.1	12250.2	12343.6	12356.7	12304.3	12176.5	11840.6	11280.1
10°	11191.7	11240.8	11349.0	11471.9	11660.3	11847.1	12014.2	12007.7	11963.4	11632.4	10978.6
12.5°	10374.0	10431.4	10555.9	10737.8	11004.9	11309.6	11607.9	11648.8	11722.6	11445.6	10700.1
15°	9657.9	9707.1	9830.0	10052.8	10383.8	10793.5	11231.0	11306.4	11496.4	11299.8	10467.4
17.5°	9050.0	9081.1	9171.3	9418.7	9802.1	10298.6	10867.2	11014.7	11298.2	11185.1	10265.9
20°	8625.6	8630.5	8689.5	8863.2	9246.6	9802.1	10490.3	10701.7	11088.4	11086.8	10057.8
22.5°	8415.9	8399.5	8411.0	8510.9	8792.7	9328.6	10113.5	10364.2	10900.0	11003.2	9846.4
25°	8376.5	8363.4	8330.7	8343.8	8514.2	8914.0	9733.3	10023.3	10734.5	10952.4	9662.8
27.5°	8499.4	8512.5	8456.8	8397.8	8411.0	8645.3	9395.8	9731.7	10600.1	10952.4	9533.4
30°	8746.9	8753.4	8712.5	8635.4	8532.2	8569.9	9161.4	9497.3	10532.9	11027.8	9451.5
32.5°	9020.5	9056.6	9051.6	8989.4	8841.9	8689.5	9105.7	9412.1	10528.0	11194.9	9443.3
35°	9359.7	9400.7	9469.5	9456.4	9302.4	9051.6	9295.8	9536.7	10624.7	11470.2	9531.8
37.5°	9720.2	9782.5	9929.9	10000.4	9900.4	9617.0	9721.8	9893.9	10883.6	11915.9	9756.2
40°	10069.2	10139.7	10408.4	10685.3	10610.0	10318.3	10367.4	10505.1	11344.1	12556.6	10182.3
42.5°	10411.7	10516.6	10911.5	11367.0	11457.1	11224.4	11250.7	11360.4	12027.4	13438.2	10878.7
45°	10821.3	10939.3	11524.3	12086.3	12327.2	12225.6	12337.0	12409.1	12920.4	14603.2	11817.6
47.5°	11422.7	11558.7	12276.4	12917.1	13339.9	13405.4	13629.9	13677.4	14049.4	15960.0	13041.6
50°	12595.9	12633.6	13282.5	13864.2	14473.8	14867.1	15122.7	15158.7	15416.0	17442.9	14570.5
52.5°	14072.3	14096.9	14464.0	14853.9	15547.1	16350.0	16948.1	16998.9	17052.9	18888.2	16079.6
55°	15538.9	15535.6	15778.1	16007.5	16800.6	17967.3	19265.1	19296.2	18907.8	20259.7	17233.2
57.5°	16454.9	16543.3	16912.0	17207.0	18314.7	19810.7	21611.5	21726.2	20856.1	21275.6	18373.7
60°	16163.2	16205.8	17023.5	18114.8	20200.7	22430.8	23985.9	24015.4	22321.1	22289.9	19815.6
62.5°	13770.8	13793.8	15078.4	17328.2	21156.0	25829.3	26850.2	26370.1	24005.5	23697.5	21541.1
65°	9438.4	9587.5	10660.8	13441.5	19401.1	27961.1	31284.2	30489.5	26573.2	25726.1	23101.0
67.5°	5558.1	5527.0	6057.9	8106.2	14249.3	26545.4	36893.2	36103.4	30074.9	27084.5	22643.9
70°	3796.6	3775.3	3978.5	4907.6	8043.9	20592.3	38657.9	40252.3	33167.0	26170.1	19487.9
72.5°	2710.3	2721.7	3021.6	3813.0	5050.2	11997.9	33244.0	37017.7	32198.6	22814.3	14813.0
75°	1840.2	1871.3	2300.6	3128.1	4427.5	6103.8	23591.0	28139.7	26219.3	16581.0	8514.2
77.5°	989.7	1024.1	1530.5	2520.2	4003.1	4240.7	15175.1	19366.7	16469.6	7454.0	2467.7
80°	412.9	432.6	716.1	1832.0	3459.1	3724.5	8928.8	11743.9	7018.1	1469.8	550.6
82.5°	178.6	188.4	298.2	1092.9	2585.7	3144.5	4727.4	5649.9	2126.9	322.8	276.9
85°	34.4	36.0	122.9	578.4	1650.1	1774.6	3064.2	3003.6	955.3	139.3	201.5
87.5°	0.0	0.0	29.5	181.9	485.0	966.8	1869.6	1846.7	324.4	67.2	75.4
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°	11640.6	11640.6	11640.6	11640.6	11640.6	11640.6	11640.6	11640.6	11640.6	11640.6	11640.6
2.5°	11548.9	11435.8	11198.2	10904.9	10680.4	10433.0	10236.4	9987.3	9879.1	9884.1	9825.1
5°	11290.0	11057.3	10531.3	9867.7	9356.4	8828.8	8374.9	7922.6	7655.6	7568.7	7486.8
7.5°	10919.7	10551.0	9712.0	8689.5	7824.3	6978.8	6243.1	5595.8	5186.2	4986.3	4912.5
10°	10501.8	9984.0	8769.8	7422.9	6187.4	5043.6	4090.0	3260.8	2929.8	2705.3	2648.0
12.5°	10134.8	9433.4	7848.9	6123.5	4656.9	3277.2	2367.8	1851.6	1627.1	1538.6	1523.9
15°	9789.0	8918.9	6962.4	4946.9	3224.8	2017.1	1505.9	1330.5	1278.1	1263.4	1263.4
17.5°	9462.9	8429.0	6095.6	3788.5	2133.5	1414.1	1247.0	1207.7	1191.3	1189.6	1191.3
20°	9122.1	7939.0	5243.5	2775.8	1489.5	1197.8	1151.9	1130.6	1125.7	1125.7	1125.7
22.5°	8796.0	7449.1	4414.4	1982.7	1194.5	1092.9	1070.0	1055.3	1050.3	1048.7	1045.4
25°	8483.1	6983.7	3604.9	1401.0	1048.7	1001.2	981.5	961.9	947.1	938.9	934.0
27.5°	8225.8	6569.2	2851.2	1124.1	947.1	906.1	881.6	852.1	816.0	799.6	793.1
30°	8021.0	6190.6	2197.4	948.8	852.1	811.1	773.4	722.6	670.2	642.3	640.7
32.5°	7860.4	5818.7	1668.1	839.0	766.9	716.1	662.0	598.1	537.5	506.3	504.7
35°	7781.7	5491.0	1274.8	758.7	691.5	627.6	560.4	489.9	431.0	401.5	398.2
37.5°	7834.2	5214.0	994.6	691.5	627.6	553.8	475.2	401.5	349.0	322.8	321.2
40°	8025.9	5037.1	807.8	634.1	573.5	483.4	398.2	329.4	285.1	263.8	262.2
42.5°	8433.9	4971.5	689.9	586.6	521.1	417.8	331.0	272.0	231.0	216.3	213.0
45°	9115.6	5068.2	609.6	540.7	467.0	355.6	273.6	222.9	186.8	175.3	173.7
47.5°	10023.3	5322.2	552.2	496.5	417.8	299.9	227.8	180.2	152.4	140.9	139.3
50°	11193.3	5725.3	504.7	452.3	372.0	254.0	188.4	142.6	118.0	109.8	109.8
52.5°	12466.5	6205.4	462.1	411.3	326.1	211.4	152.4	109.8	93.4	83.6	83.6
55°	13518.5	6624.9	416.2	380.2	270.4	175.3	116.3	83.6	68.8	63.9	63.9
57.5°	14568.8	7072.2	363.8	326.1	216.3	142.6	88.5	62.3	50.8	47.5	47.5
60°	15930.5	7619.5	313.0	265.5	170.4	108.1	65.5	44.2	37.7	36.0	36.0
62.5°	17428.2	7940.7	267.1	213.0	132.7	80.3	47.5	29.5	27.9	27.9	26.2
65°	18344.2	7486.8	224.5	170.4	103.2	60.6	31.1	21.3	24.6	22.9	19.7
67.5°	17175.8	5861.3	183.5	132.7	80.3	45.9	19.7	14.7	26.2	21.3	16.4
70°	14221.4	4103.1	142.6	93.4	63.9	39.3	13.1	9.8	27.9	21.3	13.1
72.5°	10642.7	2746.3	113.1	62.3	47.5	34.4	11.5	4.9	24.6	18.0	11.5
75°	5815.4	1106.1	90.1	39.3	29.5	24.6	8.2	3.3	16.4	13.1	8.2
77.5°	1530.5	291.7	65.5	26.2	16.4	9.8	4.9	1.6	8.2	6.6	3.3
80°	390.0	113.1	42.6	18.0	11.5	4.9	0.0	0.0	1.6	0.0	0.0
82.5°	208.1	47.5	26.2	13.1	6.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	157.3	31.1	14.7	8.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	60.6	9.8	4.9	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)