

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: P321250

Luminaire Tested: **GAN-SA6C-730-U-T2R-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P321250  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6C-730-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31097 lumens  
Efficiency: N/A  
Efficacy: 93.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G4

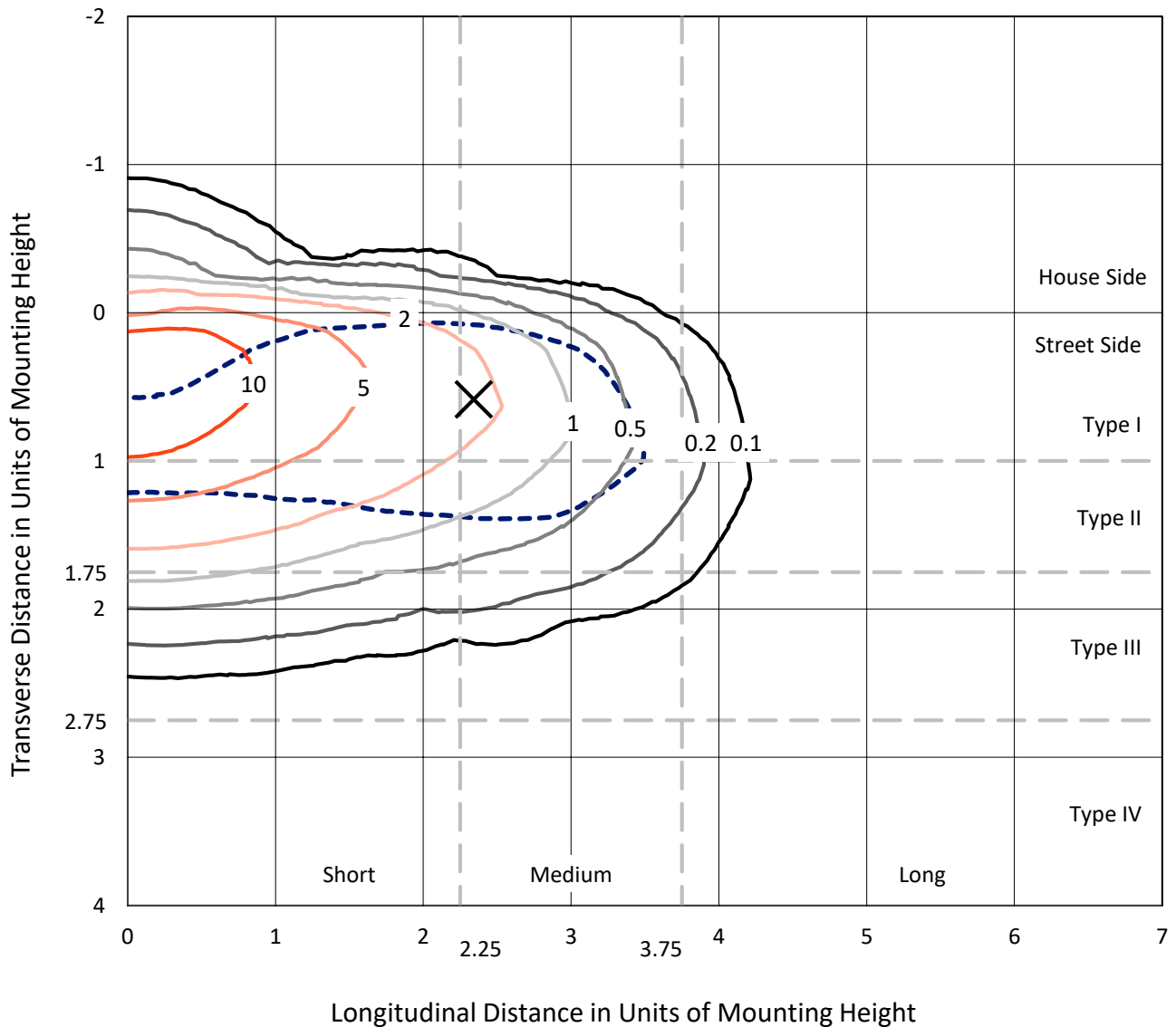
Input Watts (W): 333  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

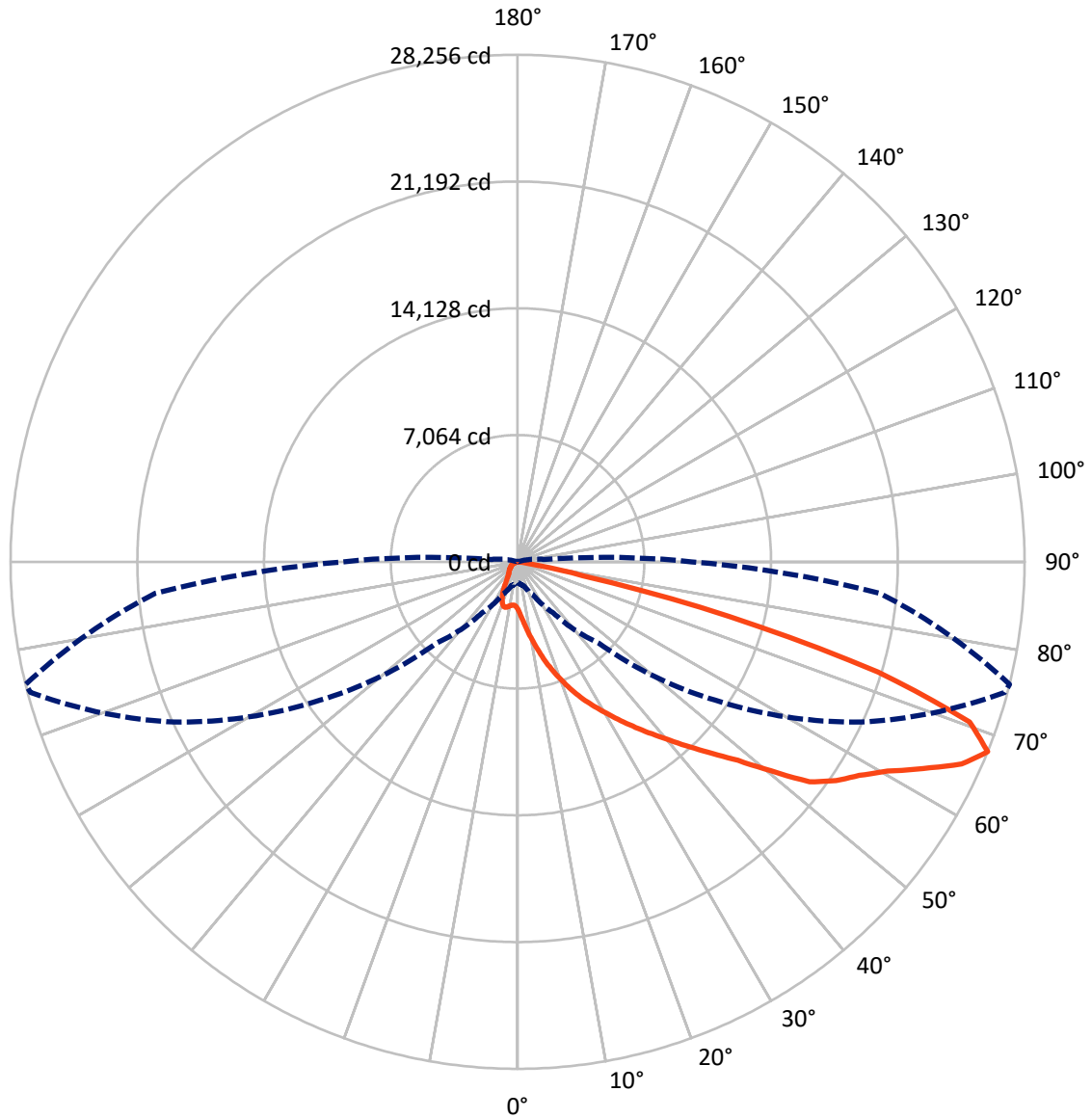
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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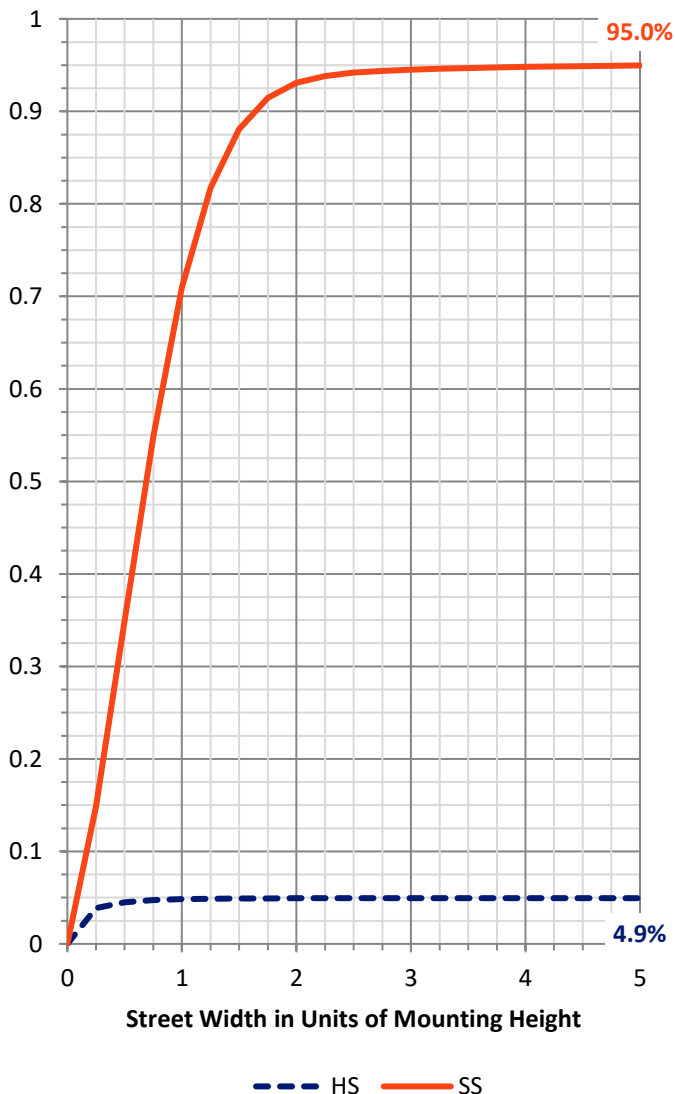
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1544.2	0.0	1544.2
	% Fixture	5.0	0.0	5.0
<b>Street Side</b>	Lumens	29552.8	0.0	29552.8
	% Fixture	95.0	0.0	95.0
<b>Total</b>	Lumens	31097.0	0.0	31097.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	328.0	1.1
10°-20°	1300.3	4.2
20°-30°	2645.7	8.5
30°-40°	4592.1	14.8
40°-50°	6488.1	20.9
50°-60°	7357.8	23.7
60°-70°	6102.6	19.6
70°-80°	2210.5	7.1
80°-90°	71.7	0.2
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°	31097.0	100.0
0°-180°	31097.0	100.0

**Coefficient of Utilization**

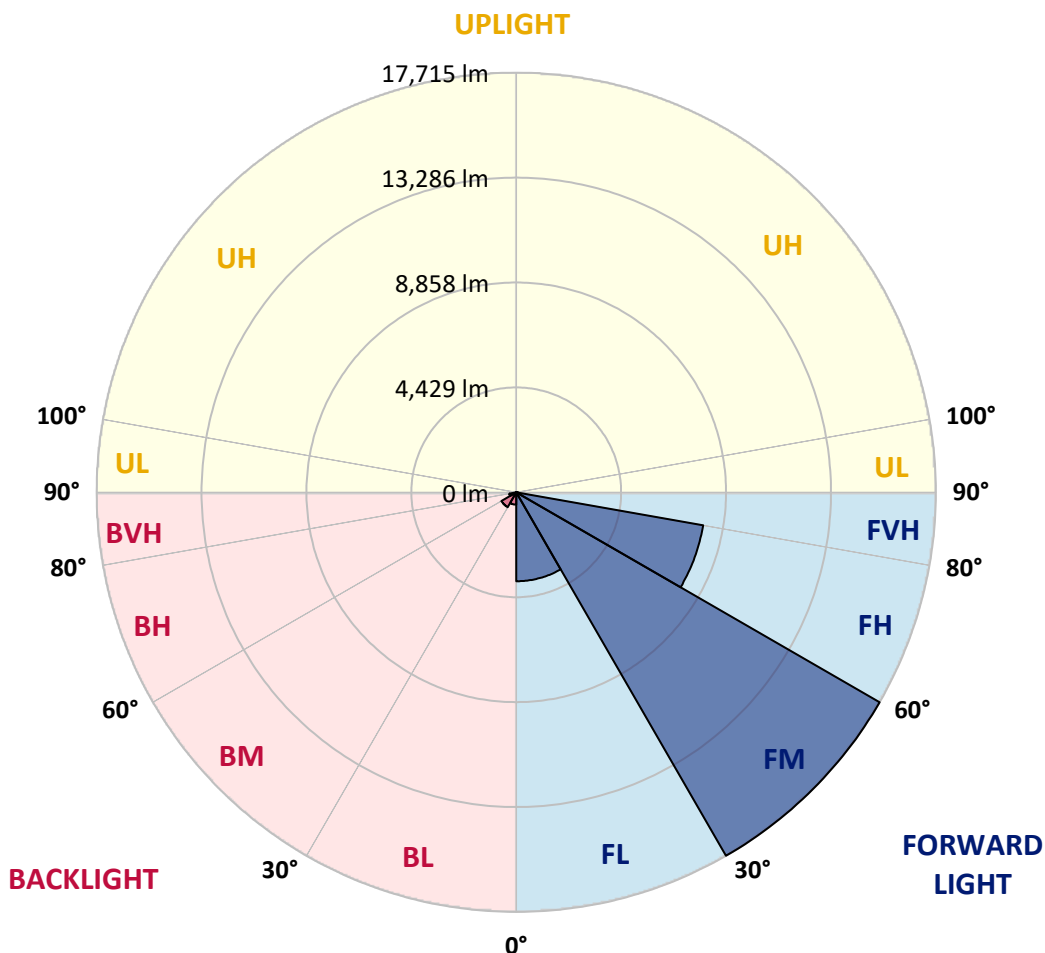


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3753.3	12.1			
FM (30°-60°)	17715.3	57.0			
FH (60°-80°)	8014.7	25.8			G4/12000
FVH (80°-90°)	69.4	0.2			G1/100
BL (0°-30°)	520.8	1.7	B2/1000		
BM (30°-60°)	722.7	2.3	B1/1000		
BH (60°-80°)	298.4	1.0	B1/500		G1/500
BVH (80°-90°)	2.3	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 II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9
2.5°	3937.8	3849.2	3869.7	3812.5	3708.9	3496.3	3315.1	3143.4	2943.1	2936.3	2771.5
5°	5309.9	5235.0	5225.4	5109.6	4921.6	4560.5	4209.0	3808.4	3361.4	3328.7	2978.6
7.5°	6555.3	6495.3	6473.5	6335.9	5985.7	5634.2	5176.4	4587.8	3888.8	3828.8	3257.9
10°	7511.8	7483.2	7488.7	7390.6	7090.8	6763.8	6162.9	5412.1	4486.9	4394.3	3593.1
12.5°	8236.7	8243.5	8292.6	8232.6	8065.0	7822.5	7180.7	6291.0	5149.1	5022.4	3976.0
15°	8769.5	8803.5	8893.5	8968.4	8956.1	8746.3	8157.7	7183.4	5852.2	5711.9	4402.4
17.5°	9114.2	9152.4	9283.2	9449.4	9602.0	9552.9	9100.6	8044.6	6563.5	6401.3	4858.9
20°	9416.7	9461.7	9602.0	9821.4	10106.1	10167.5	9870.4	8879.8	7273.4	7075.8	5330.4
22.5°	10072.1	10070.7	10156.6	10284.6	10555.8	10713.9	10525.8	9655.1	7975.1	7769.3	5811.3
25°	11257.5	11212.5	11182.6	11081.7	11141.7	11239.8	11134.9	10380.0	8680.9	8472.4	6299.1
27.5°	12666.4	12693.7	12451.1	12180.0	11970.1	11869.3	11697.6	11051.8	9359.5	9130.5	6776.0
30°	14153.0	14161.1	13875.0	13528.9	13067.0	12684.1	12387.1	11693.5	10057.1	9807.7	7239.3
32.5°	15493.7	15440.6	15157.2	14685.7	14102.5	13672.0	13054.7	12410.2	10795.6	10554.4	7754.4
35°	16556.5	16493.9	16149.1	15719.9	15114.9	14681.6	13939.0	13125.6	11572.3	11336.5	8270.8
37.5°	17333.2	17259.6	16905.3	16463.9	15942.0	15689.9	14965.1	13903.6	12419.8	12166.3	8814.4
40°	17603.0	17538.9	17316.8	16993.9	16574.2	16517.0	16053.7	14798.8	13342.2	13072.5	9430.3
42.5°	17442.2	17379.5	17300.5	17191.5	17017.1	17071.6	17081.1	15819.4	14366.9	14101.2	10110.2
45°	16804.5	16748.7	16830.4	16989.8	17206.5	17476.3	18018.6	16916.2	15511.4	15228.0	10896.4
47.5°	15865.7	15824.8	16051.0	16448.9	17082.5	17826.4	18875.6	18069.0	16796.3	16533.4	11877.5
50°	14530.4	14523.6	14976.0	15702.2	16676.4	17995.4	19761.3	19379.8	18581.3	18304.7	13241.4
52.5°	12451.1	12464.7	13354.5	14516.8	15963.8	17880.9	20330.8	21063.9	20657.9	20370.3	14422.8
55°	10471.3	10553.1	11183.9	12859.9	14871.0	17455.8	20527.0	21850.1	21803.8	21531.3	15079.5
57.5°	8532.4	8680.9	9288.6	10854.2	13275.5	16476.1	20419.4	22190.7	22656.7	22448.3	15946.1
60°	6431.3	6499.4	7199.8	8663.2	11227.5	14688.5	19638.7	22376.0	23823.1	23678.7	17203.7
62.5°	4091.8	4262.1	4883.4	6295.1	8742.2	12205.9	18322.4	22373.3	25282.4	25361.4	18826.6
65°	2155.6	2354.5	2684.3	3901.0	6007.6	9433.0	16342.6	22163.5	27072.8	27183.2	20095.1
67.5°	1162.3	1219.5	1393.9	2024.8	3484.1	6390.4	13433.5	21127.9	28109.7	28255.5	20272.2
70°	850.2	881.6	947.0	1120.0	1753.6	3711.6	9802.3	18780.2	26773.0	26718.5	18011.7
72.5°	652.7	701.7	750.8	820.3	1008.3	1981.2	6102.9	14706.2	21362.3	21002.6	13463.5
75°	515.0	523.2	592.7	655.4	756.2	1128.2	2710.1	8565.1	13038.4	12186.8	6981.8
77.5°	411.5	416.9	457.8	512.3	607.7	741.2	839.3	3369.6	4162.6	3714.4	1515.2
80°	243.9	257.5	340.6	395.1	504.1	467.4	306.6	731.7	649.9	588.6	254.8
82.5°	136.3	147.2	192.1	312.0	351.5	223.5	152.6	197.6	152.6	148.5	72.2
85°	0.0	6.8	124.0	193.5	143.1	49.1	64.0	65.4	45.0	42.2	28.6
87.5°	0.0	0.0	38.2	36.8	5.5	8.2	15.0	21.8	17.7	17.7	15.0
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°	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9
2.5°	2689.7	2616.1	2477.1	2340.9	2226.4	2132.4	2047.9	2013.9	1986.6	1982.5	1960.7
5°	2809.6	2661.1	2395.4	2177.4	2031.6	1928.0	1839.5	1785.0	1742.7	1726.4	1711.4
7.5°	2990.8	2766.0	2384.5	2133.8	1959.4	1785.0	1621.5	1444.3	1334.0	1291.7	1267.2
10°	3211.6	2905.0	2425.4	2121.5	1816.3	1448.4	1177.3	952.4	861.1	831.2	823.0
12.5°	3469.1	3078.0	2496.2	2045.2	1511.1	1028.7	812.1	735.8	715.3	705.8	705.8
15°	3764.8	3267.4	2546.6	1824.5	1117.3	778.0	703.1	667.7	645.9	633.6	635.0
17.5°	4067.3	3452.7	2522.1	1504.3	824.4	692.2	636.3	598.2	568.2	555.9	553.2
20°	4372.5	3624.4	2385.9	1120.0	697.6	628.1	565.5	523.2	493.2	481.0	478.3
22.5°	4688.6	3770.2	2146.0	821.6	626.8	557.3	496.0	453.7	425.1	414.2	408.8
25°	4996.5	3888.8	1810.8	664.9	560.0	490.5	431.9	392.4	366.5	355.6	354.3
27.5°	5284.0	3963.7	1422.5	587.3	501.4	430.6	377.4	342.0	320.2	312.0	310.7
30°	5542.9	3970.5	1051.9	530.0	449.6	378.8	329.7	298.4	279.3	271.2	268.4
32.5°	5804.5	3913.3	765.8	478.3	402.0	333.8	286.1	261.6	248.0	241.2	241.2
35°	6051.2	3781.1	596.8	433.3	355.6	290.2	252.1	234.4	226.2	219.4	219.4
37.5°	6292.3	3591.7	506.9	393.8	312.0	253.4	222.1	211.2	204.4	197.6	197.6
40°	6537.6	3353.3	460.5	357.0	276.6	224.8	197.6	188.0	181.2	175.8	174.4
42.5°	6838.7	3078.0	430.6	322.9	245.3	198.9	174.4	163.5	158.1	152.6	149.9
45°	7187.5	2840.9	406.0	288.9	219.4	177.1	151.2	140.3	132.2	125.4	124.0
47.5°	7690.3	2669.3	373.3	252.1	194.8	154.0	130.8	118.5	106.3	99.5	98.1
50°	8332.1	2527.6	331.1	219.4	170.3	130.8	109.0	94.0	83.1	76.3	76.3
52.5°	8650.9	2342.2	293.0	190.8	143.1	110.4	88.6	70.9	65.4	58.6	58.6
55°	8779.0	2200.5	254.8	162.1	118.5	91.3	69.5	54.5	50.4	46.3	45.0
57.5°	9138.7	2159.7	222.1	137.6	98.1	72.2	53.1	40.9	38.2	32.7	32.7
60°	9717.8	2180.1	192.1	117.2	79.0	55.9	39.5	31.3	28.6	23.2	23.2
62.5°	10343.2	2154.2	162.1	100.8	61.3	40.9	27.3	23.2	23.2	13.6	12.3
65°	10463.1	1918.5	139.0	83.1	47.7	30.0	17.7	15.0	20.4	2.7	0.0
67.5°	9711.0	1487.9	119.9	64.0	35.4	23.2	13.6	6.8	17.7	0.0	0.0
70°	7765.3	945.6	96.7	46.3	27.3	19.1	10.9	2.7	13.6	0.0	0.0
72.5°	5491.1	549.1	76.3	32.7	23.2	15.0	8.2	0.0	8.2	0.0	0.0
75°	2776.9	293.0	47.7	24.5	17.7	10.9	5.5	0.0	1.4	0.0	0.0
77.5°	600.9	136.3	30.0	17.7	12.3	6.8	2.7	0.0	0.0	0.0	0.0
80°	130.8	60.0	19.1	10.9	6.8	4.1	0.0	0.0	0.0	0.0	0.0
82.5°	47.7	31.3	9.5	5.5	2.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	25.9	16.4	5.5	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.6	5.5	1.4	1.4	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)