

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: P383290

Luminaire Tested: **GAN-SA6A-735-U-T3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383290  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6A-735-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18920.7 lumens  
Efficiency: N/A  
Efficacy: 98.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

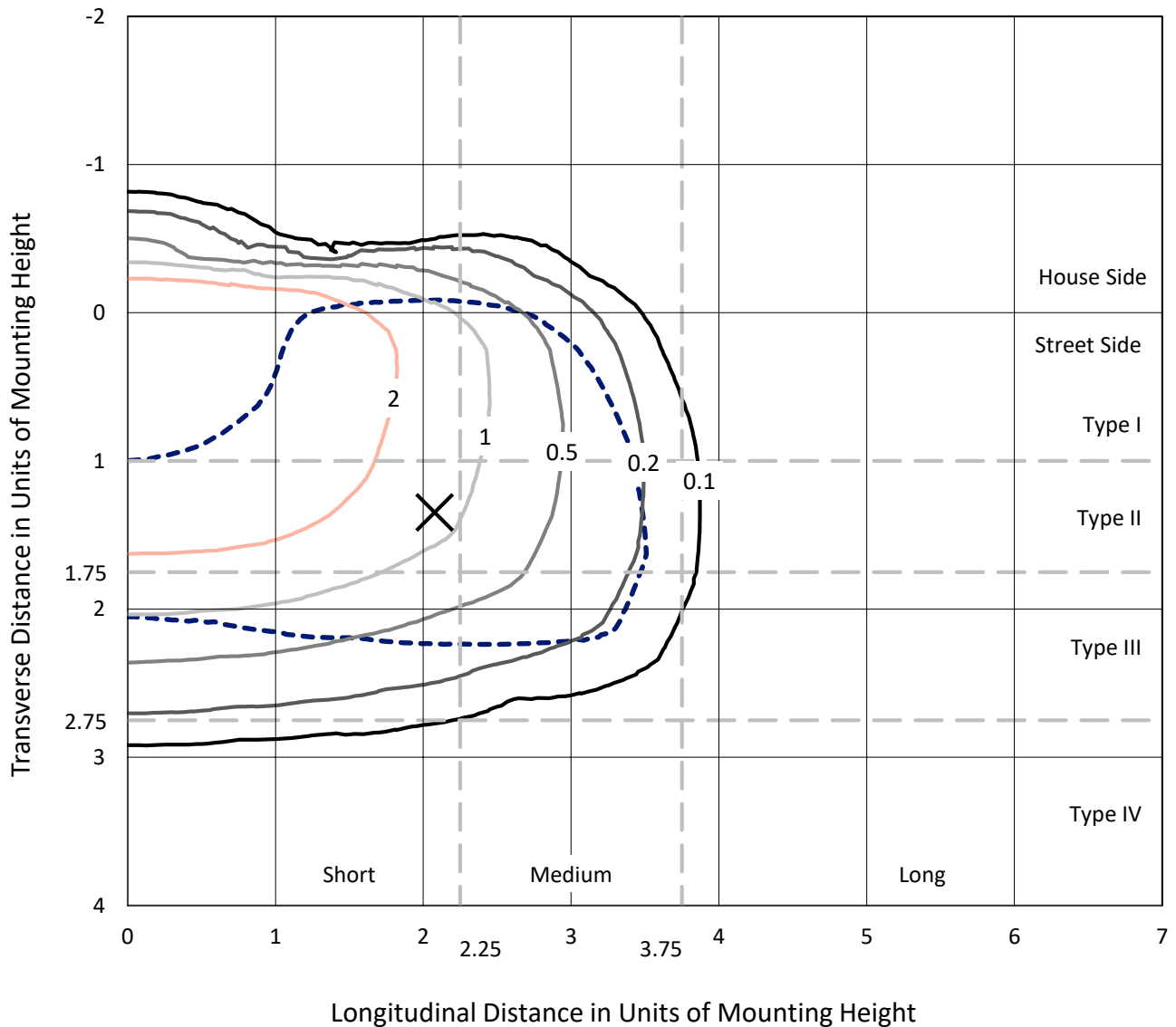
Input Watts (W): 193  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

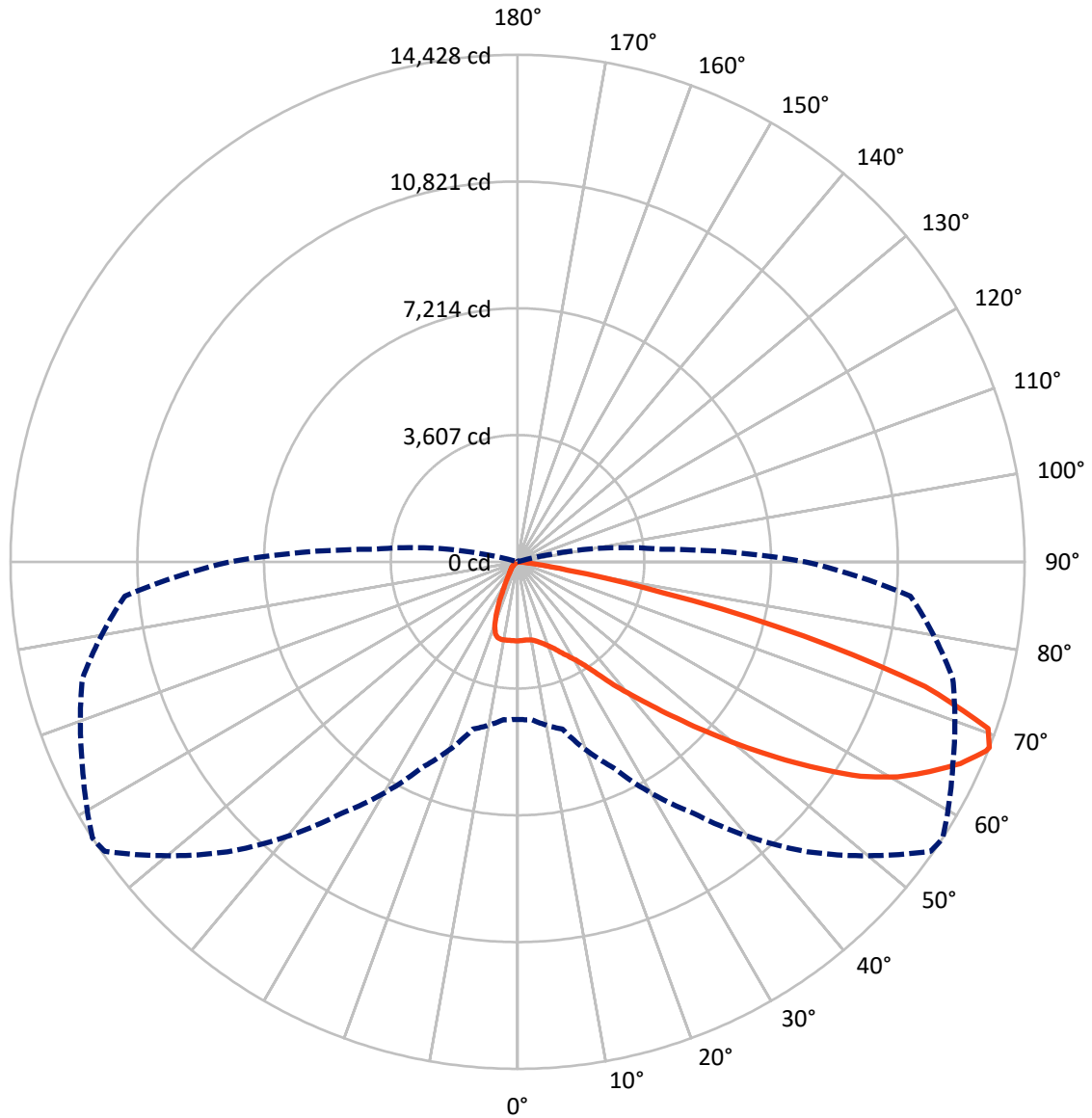
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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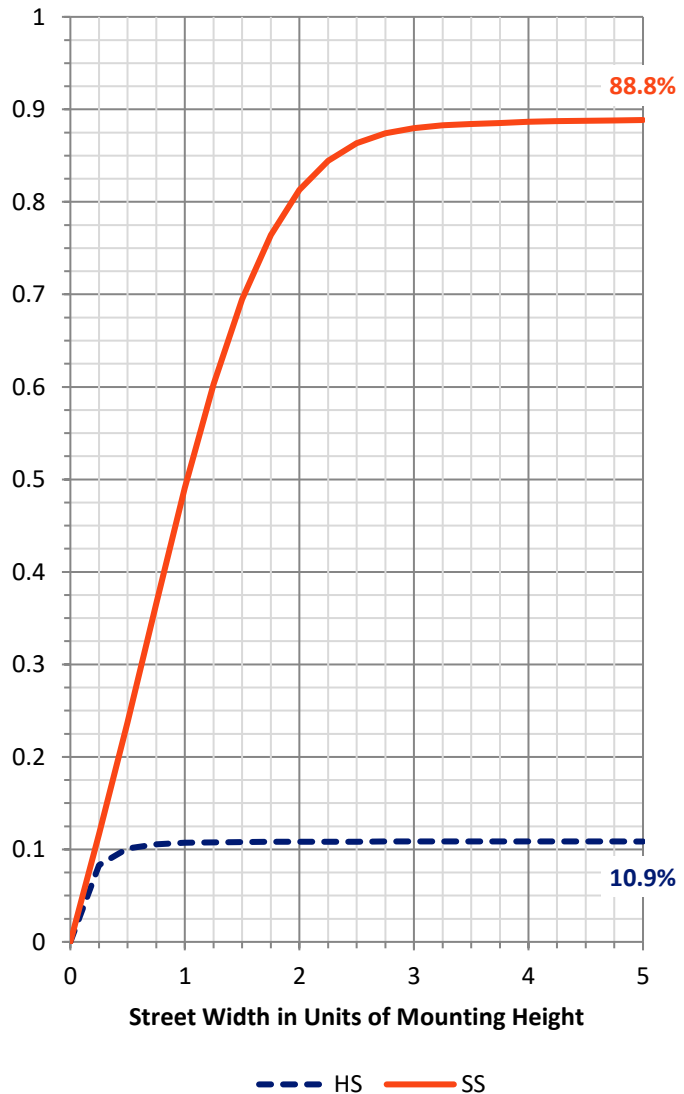
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2074.8	0.0	2074.8
	% Fixture	11.0	0.0	11.0
<b>Street Side</b>	Lumens	16845.9	0.0	16845.9
	% Fixture	89.0	0.0	89.0
<b>Total</b>	Lumens	18920.7	0.0	18920.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	210.4	1.1
10°-20°	583.0	3.1
20°-30°	1005.8	5.3
30°-40°	1736.0	9.2
40°-50°	2969.4	15.7
50°-60°	4750.8	25.1
60°-70°	5489.1	29.0
70°-80°	2097.5	11.1
80°-90°	78.6	0.4
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°	18920.7	100.0
0°-180°	18920.7	100.0

**Coefficient of Utilization**



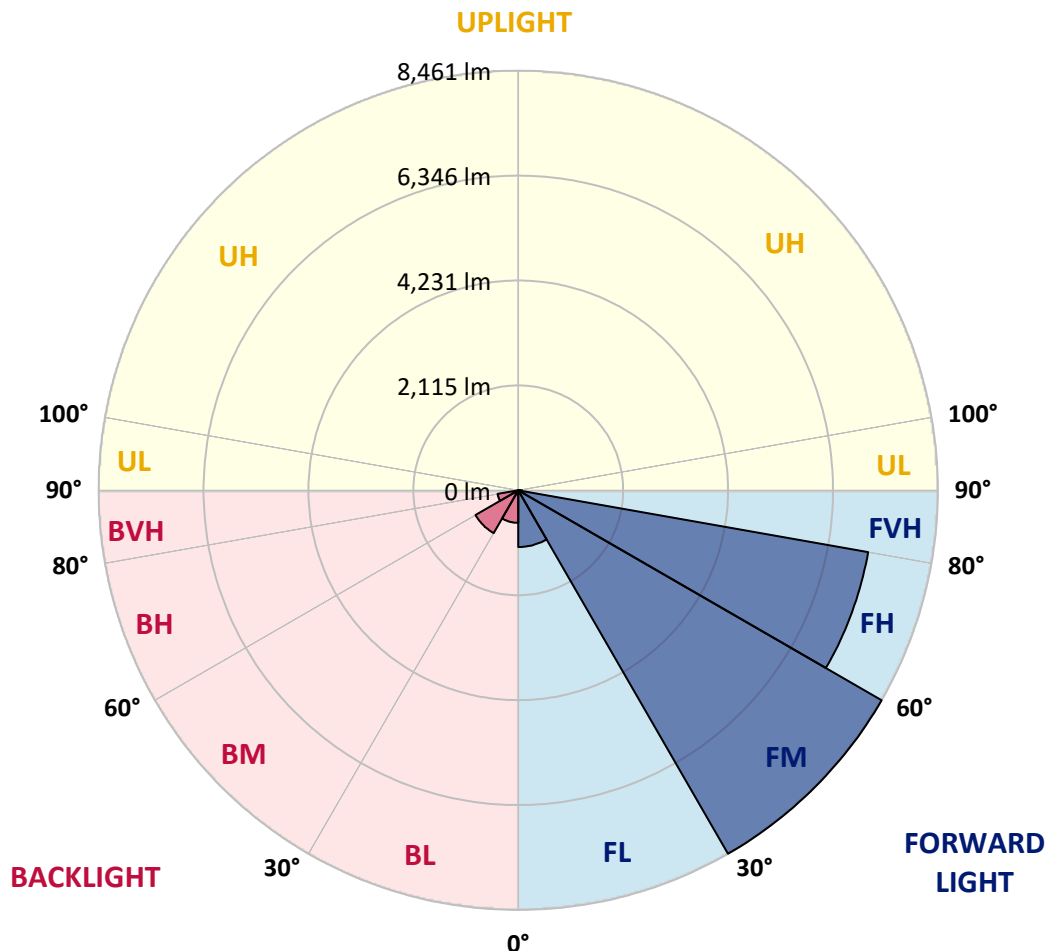
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1143.6	6.0			
FM (30°-60°)	8461.2	44.7			
FH (60°-80°)	7164.0	37.9			G3/7500
FVH (80°-90°)	77.2	0.4			G1/100
BL (0°-30°)	655.7	3.5	B2/1000		
BM (30°-60°)	995.1	5.3	B1/1000		
BH (60°-80°)	422.5	2.2	B1/500		G1/500
BVH (80°-90°)	1.4	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-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2248.3	2248.3	2248.3	2248.3	2248.3	2248.3	2248.3	2248.3	2248.3	2248.3	2248.3
2.5°	2195.5	2205.3	2212.5	2217.0	2222.3	2233.9	2237.6	2242.9	2245.6	2245.6	2251.8
5°	2108.7	2119.5	2134.6	2147.2	2172.2	2204.4	2227.7	2236.6	2252.8	2267.1	2275.1
7.5°	2028.2	2040.7	2058.6	2088.2	2131.1	2183.0	2231.2	2243.8	2275.1	2305.5	2320.8
10°	1976.3	1986.2	2009.4	2051.5	2107.8	2180.3	2248.3	2263.5	2317.1	2368.2	2396.8
12.5°	1958.4	1967.3	1991.5	2038.9	2108.7	2193.7	2287.6	2310.0	2388.8	2463.0	2503.3
15°	1984.4	1986.2	2012.0	2056.9	2125.7	2226.8	2352.9	2379.8	2479.1	2575.7	2625.8
17.5°	2084.5	2076.5	2089.9	2109.6	2164.2	2270.6	2421.8	2462.1	2594.5	2708.1	2755.5
20°	2335.0	2335.0	2304.6	2251.0	2251.8	2338.7	2514.9	2560.5	2722.4	2854.0	2896.9
22.5°	2763.6	2755.5	2694.7	2563.2	2442.4	2455.8	2628.5	2687.5	2876.3	3016.8	3031.1
25°	3279.0	3269.1	3175.2	2990.0	2780.6	2645.5	2782.3	2850.3	3059.8	3184.1	3154.6
27.5°	3824.7	3816.6	3723.6	3493.7	3195.7	2947.9	2965.8	3030.2	3246.7	3369.3	3275.3
30°	4353.4	4356.1	4264.0	4027.7	3690.4	3333.4	3198.4	3236.0	3428.3	3552.6	3418.5
32.5°	4856.2	4859.8	4780.1	4516.2	4201.3	3781.7	3520.5	3510.6	3639.5	3762.1	3608.2
35°	5304.4	5313.4	5258.8	5053.9	4720.2	4280.9	3938.3	3915.0	3939.1	4077.8	3898.9
37.5°	5736.6	5741.9	5700.8	5528.1	5249.0	4829.3	4466.1	4433.0	4381.2	4487.6	4282.7
40°	6209.8	6196.4	6149.0	5992.5	5752.7	5435.0	5033.3	4976.0	4885.7	4980.5	4787.3
42.5°	6649.9	6634.8	6642.9	6465.7	6263.5	6057.8	5694.5	5596.1	5543.3	5652.4	5406.4
45°	7200.2	7192.1	7219.0	7065.1	6901.4	6752.0	6452.3	6344.9	6321.7	6449.6	6155.2
47.5°	7743.3	7763.0	7846.1	7780.8	7714.6	7583.1	7254.8	7206.5	7220.8	7375.5	6945.2
50°	8195.9	8219.2	8447.4	8522.5	8618.2	8541.3	8212.1	8182.5	8238.9	8378.4	7795.2
52.5°	8523.4	8570.8	8854.5	9200.6	9549.6	9601.5	9273.1	9246.3	9322.4	9343.8	8451.8
55°	8750.7	8792.7	9113.9	9747.2	10457.6	10681.3	10477.3	10373.5	10359.3	10147.2	9142.5
57.5°	8790.9	8786.5	9248.0	10100.7	11169.8	11746.8	11618.0	11516.1	11222.5	10889.8	9934.3
60°	8563.6	8589.6	9125.5	10223.3	11617.1	12553.0	12562.8	12430.4	11973.2	11611.7	10701.9
62.5°	7864.0	7969.6	8510.9	9902.1	11611.7	12877.7	13255.3	13154.1	12607.5	12203.1	11480.2
65°	6729.6	6767.2	7283.4	8801.6	10827.1	12741.7	13878.8	13841.2	13179.2	12777.5	11880.1
67.5°	4914.4	4833.0	5375.1	6930.9	9166.6	11949.1	14326.2	14373.6	13620.3	12895.6	11454.3
68°	4484.9	4509.1	4931.3	6468.4	8731.9	11669.0	14355.7	14428.2	13664.1	12818.7	11221.7
70°	2673.3	2719.7	3096.4	4453.6	6642.9	10084.6	14037.2	14202.7	13402.8	12025.1	9706.2
72.5°	682.6	738.1	1094.2	1993.3	3794.3	7105.4	11849.8	12129.8	11636.8	9755.4	6552.5
75°	281.0	295.2	391.0	656.6	1413.5	3201.1	7810.4	8409.7	8067.1	5840.3	2961.3
77.5°	194.1	204.0	251.4	364.1	611.9	1085.3	3829.1	4262.1	3839.8	1993.3	645.9
80°	139.5	147.7	179.8	242.5	351.6	387.4	1248.1	1443.1	1146.1	437.5	160.1
82.5°	83.2	89.4	134.2	172.7	213.8	185.2	310.5	352.5	331.9	217.4	71.5
85°	41.2	48.3	90.4	123.4	115.4	77.9	94.8	105.5	130.6	132.4	38.5
87.5°	2.7	5.4	52.8	74.2	32.2	17.9	27.8	34.0	46.5	65.3	16.1
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°	2248.3	2248.3	2248.3	2248.3	2248.3	2248.3	2248.3	2248.3	2248.3	2248.3	2248.3
2.5°	2254.5	2255.5	2249.1	2246.5	2248.3	2237.6	2233.1	2234.9	2234.9	2237.6	2233.1
5°	2276.9	2276.9	2266.2	2251.8	2243.8	2223.2	2209.8	2206.2	2203.6	2201.7	2198.2
7.5°	2325.2	2319.8	2301.0	2269.7	2242.9	2198.2	2164.2	2146.3	2137.3	2133.8	2131.1
10°	2403.0	2393.2	2361.9	2303.7	2242.0	2162.4	2088.2	2035.3	1991.5	1973.6	1962.9
12.5°	2507.7	2493.4	2440.7	2344.0	2235.7	2089.0	1928.0	1773.2	1629.2	1570.1	1540.6
15°	2628.5	2608.0	2524.7	2378.0	2199.1	1923.6	1573.7	1302.6	1103.1	1028.0	995.7
17.5°	2751.0	2724.2	2598.1	2399.5	2089.0	1580.8	1104.0	833.8	700.5	664.8	652.2
20°	2874.6	2835.2	2661.6	2383.4	1840.3	1139.7	728.3	609.2	570.8	560.0	556.5
22.5°	2991.8	2930.9	2718.9	2320.8	1457.4	764.9	576.2	538.6	526.0	519.8	518.0
25°	3093.8	3008.7	2768.9	2127.5	1031.5	577.9	518.9	506.4	490.3	478.6	479.6
27.5°	3189.4	3086.6	2799.4	1809.0	687.9	493.8	480.4	463.4	433.9	416.9	416.9
30°	3304.9	3190.4	2821.8	1392.1	506.4	436.6	425.8	399.9	359.7	337.3	337.3
32.5°	3478.4	3347.8	2807.4	977.0	419.6	383.8	358.7	323.0	279.1	257.7	256.7
35°	3744.2	3591.1	2705.4	640.5	370.4	333.7	293.4	249.7	211.2	193.2	192.4
37.5°	4102.0	3916.8	2476.4	458.0	331.9	287.2	238.8	190.6	161.9	150.3	149.4
40°	4566.4	4295.3	2149.0	371.3	296.1	242.5	184.3	147.7	127.9	119.0	119.9
42.5°	5123.7	4700.5	1756.2	320.3	261.2	199.5	144.0	116.4	103.8	97.5	95.8
45°	5742.8	5100.4	1344.7	285.4	226.4	161.1	112.7	92.1	82.3	78.7	78.7
47.5°	6423.7	5489.6	984.1	255.0	188.7	124.4	90.4	75.2	67.1	64.4	63.5
50°	7041.8	5759.8	709.5	222.7	154.7	98.4	73.4	62.6	57.3	53.7	53.7
52.5°	7557.2	5844.8	522.5	187.9	125.3	78.7	60.8	53.7	48.3	45.6	45.6
55°	8010.8	5809.9	388.3	154.7	101.1	64.4	51.9	45.6	41.2	38.5	38.5
57.5°	8445.6	5697.2	289.9	126.1	81.4	51.9	43.9	38.5	34.0	32.2	32.2
60°	8800.7	5509.3	215.7	102.0	65.3	42.0	36.7	31.3	27.8	25.1	25.1
62.5°	9088.8	5301.7	158.4	84.1	51.9	33.1	28.6	26.0	20.6	17.9	17.9
65°	9090.6	4957.3	119.0	69.8	40.2	26.0	21.4	20.6	13.4	10.7	9.9
67.5°	8433.0	4273.8	91.3	59.9	31.3	19.7	16.1	17.0	7.2	4.5	3.5
68°	8194.2	4100.2	85.9	59.1	29.5	18.8	15.2	17.0	6.2	3.5	2.7
70°	6908.5	3261.9	68.9	57.3	26.0	14.3	12.5	17.0	5.4	2.7	1.8
72.5°	4418.7	1893.1	51.0	45.6	19.7	10.7	8.0	15.2	5.4	1.8	0.9
75°	1880.6	586.9	34.9	32.2	11.6	8.0	5.4	9.9	3.5	0.9	0.0
77.5°	396.4	132.4	20.6	19.7	8.0	5.4	3.5	2.7	0.9	0.0	0.0
80°	102.0	38.5	10.7	9.9	4.5	2.7	1.8	0.0	0.0	0.0	0.0
82.5°	32.2	15.2	6.2	4.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	16.1	8.9	3.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.9	2.7	0.9	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)