

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: P383372

Luminaire Tested: **GAN-SA6D-735-U-T2R-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383372  
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-SA6D-735-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 1200mA 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: 34895.8 lumens  
Efficiency: N/A  
Efficacy: 91.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G4

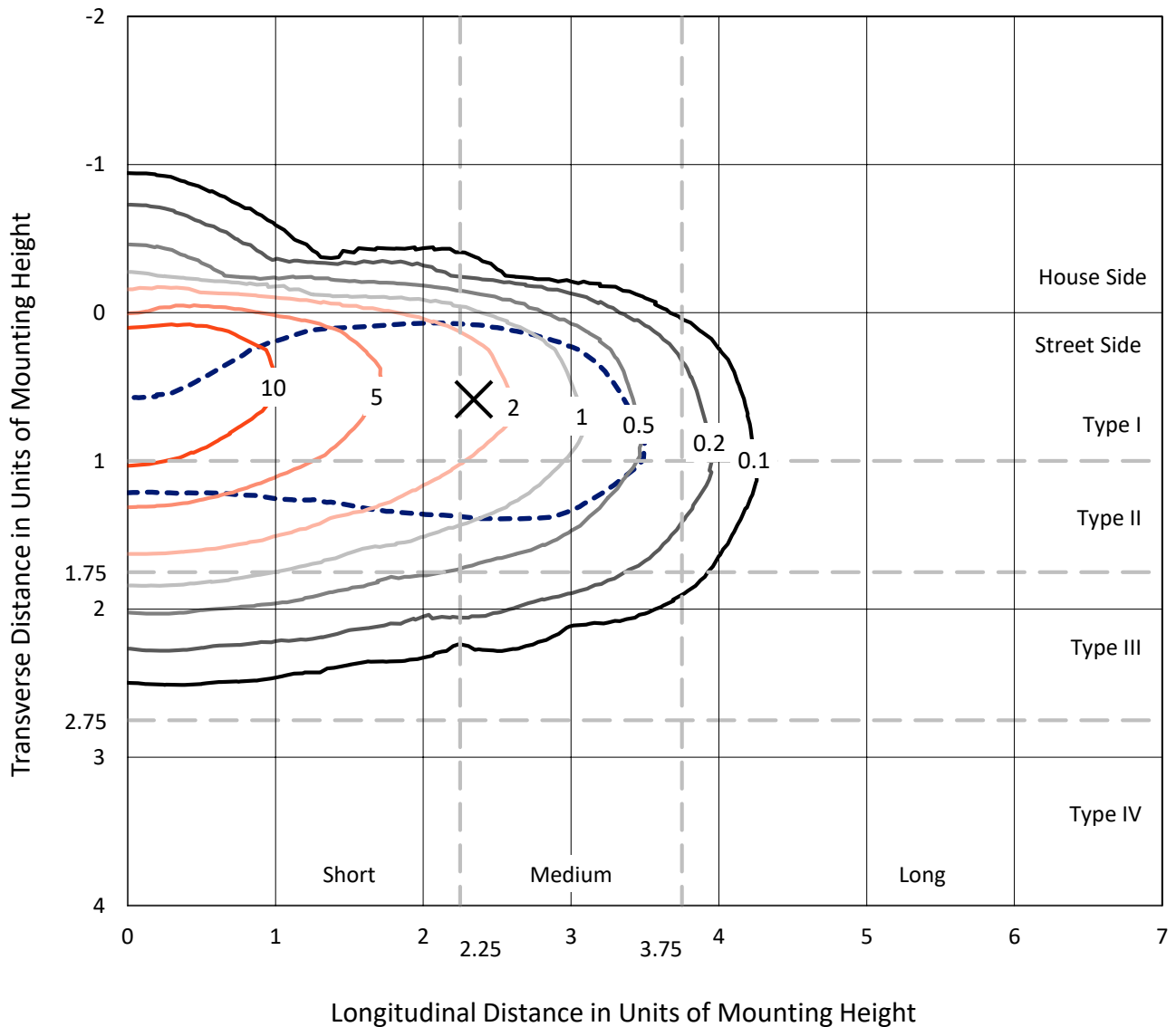
Input Watts (W): 382  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

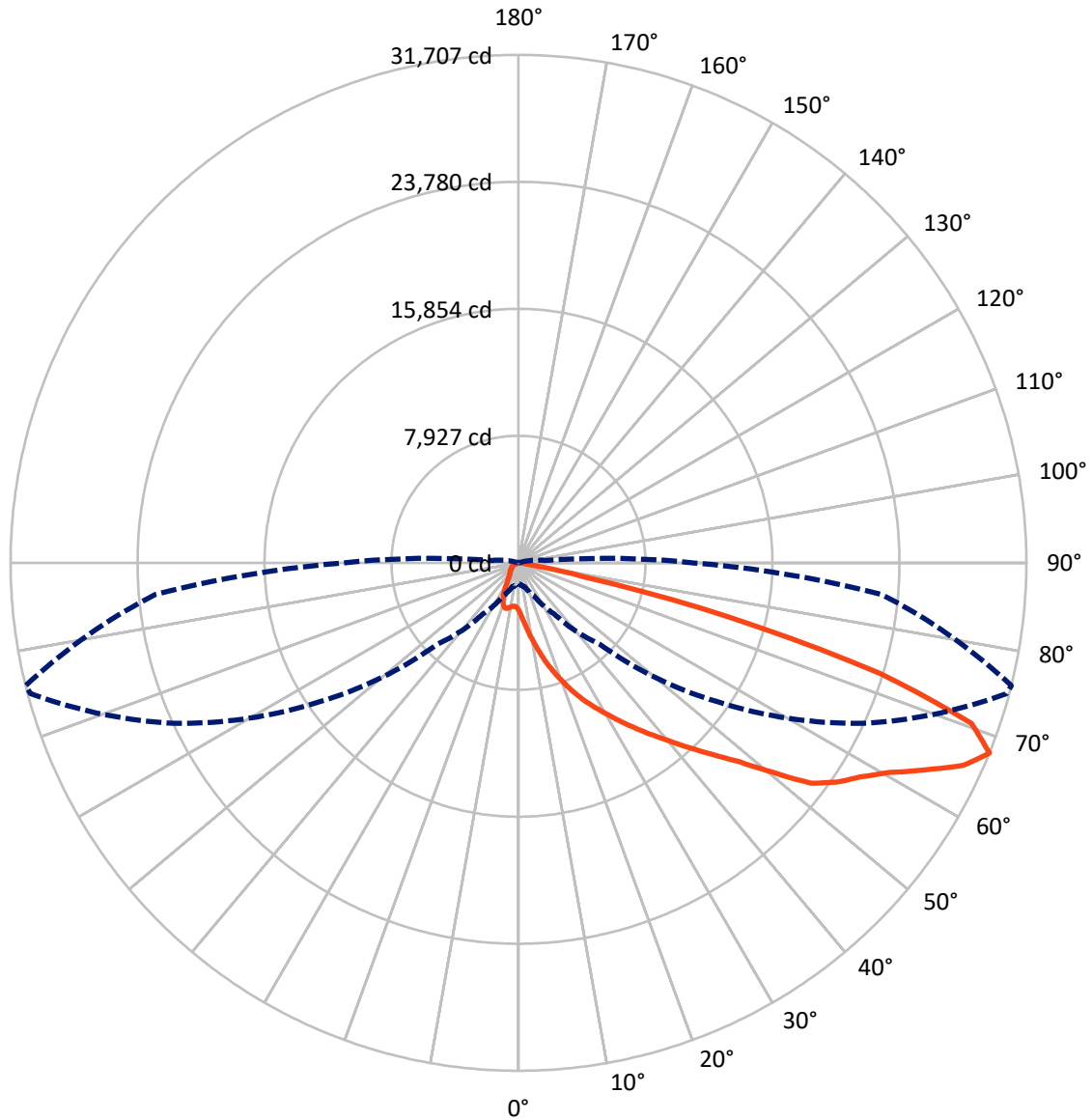
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.7 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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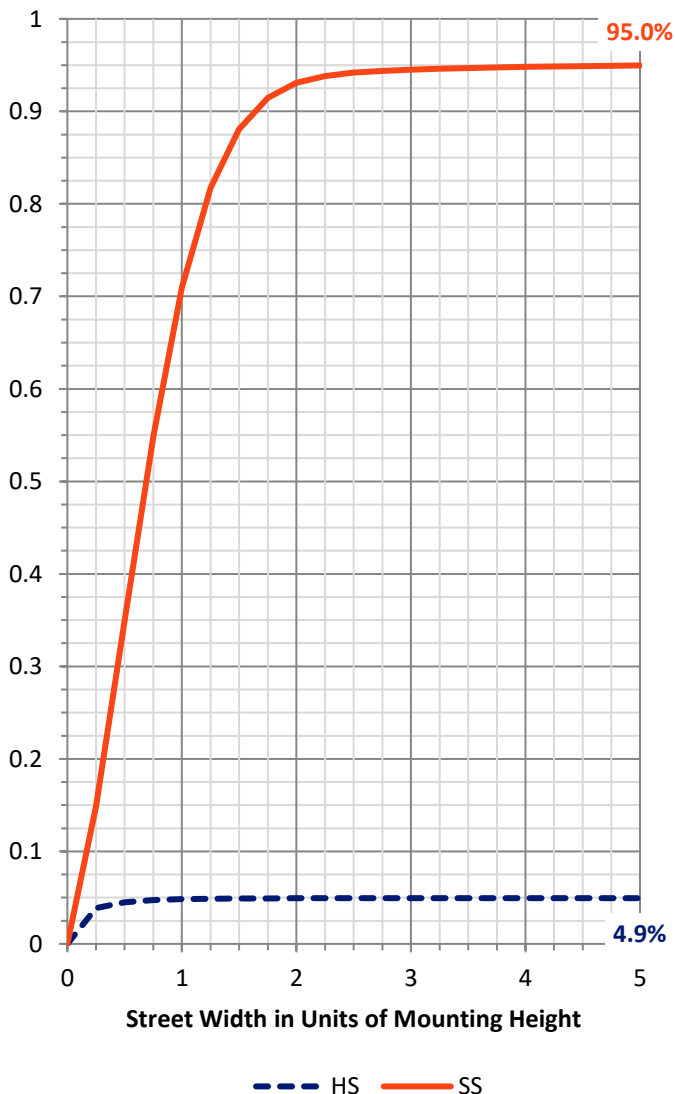
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1732.8	0.0	1732.8
	% Fixture	5.0	0.0	5.0
<b>Street Side</b>	Lumens	33163.0	0.0	33163.0
	% Fixture	95.0	0.0	95.0
<b>Total</b>	Lumens	34895.8	0.0	34895.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	368.1	1.1
10°-20°	1459.2	4.2
20°-30°	2968.9	8.5
30°-40°	5153.1	14.8
40°-50°	7280.7	20.9
50°-60°	8256.7	23.7
60°-70°	6848.1	19.6
70°-80°	2480.6	7.1
80°-90°	80.4	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°	34895.8	100.0
0°-180°	34895.8	100.0

**Coefficient of Utilization**

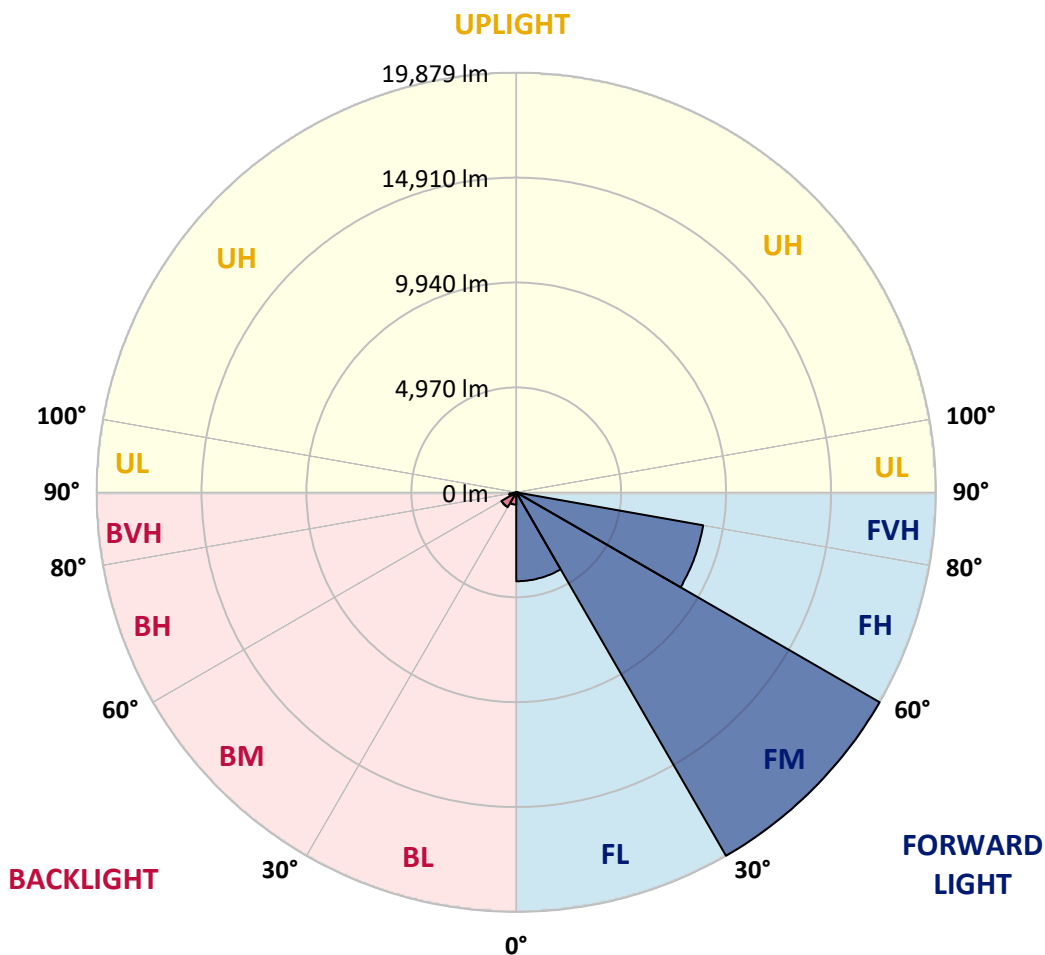


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4211.8	12.1			
FM (30°-60°)	19879.4	57.0			
FH (60°-80°)	8993.8	25.8			G4/12000
FVH (80°-90°)	77.9	0.2			G1/100
BL (0°-30°)	584.4	1.7	B2/1000		
BM (30°-60°)	811.0	2.3	B1/1000		
BH (60°-80°)	334.9	1.0	B1/500		G1/500
BVH (80°-90°)	2.5	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°	2960.2	2960.2	2960.2	2960.2	2960.2	2960.2	2960.2	2960.2	2960.2	2960.2	2960.2
2.5°	4418.9	4319.5	4342.4	4278.2	4162.0	3923.5	3720.1	3527.4	3302.7	3295.1	3110.0
5°	5958.6	5874.4	5863.8	5733.8	5522.8	5117.6	4723.1	4273.6	3772.1	3735.4	3342.4
7.5°	7356.1	7288.8	7264.4	7109.9	6716.9	6322.5	5808.8	5148.2	4363.8	4296.6	3655.9
10°	8429.5	8397.3	8403.5	8293.4	7957.0	7590.1	6915.7	6073.2	5035.0	4931.1	4032.0
12.5°	9242.9	9250.5	9305.6	9238.3	9050.3	8778.1	8057.9	7059.5	5778.1	5636.0	4461.6
15°	9840.8	9879.0	9979.9	10064.0	10050.2	9814.8	9154.2	8061.0	6567.1	6409.6	4940.3
17.5°	10227.6	10270.4	10417.2	10603.7	10774.9	10719.9	10212.3	9027.3	7365.3	7183.3	5452.4
20°	10567.0	10617.5	10774.9	11021.1	11340.7	11409.5	11076.2	9964.6	8161.8	7940.1	5981.5
22.5°	11302.5	11301.0	11397.3	11541.0	11845.3	12022.6	11811.7	10834.6	8949.3	8718.4	6521.2
25°	12632.7	12582.2	12548.6	12435.5	12502.8	12612.9	12495.1	11648.1	9741.4	9507.4	7068.7
27.5°	14213.7	14244.3	13972.1	13667.9	13432.4	13319.3	13126.6	12401.9	10502.8	10245.9	7603.8
30°	15881.9	15891.1	15570.0	15181.6	14663.2	14233.6	13900.3	13122.0	11285.7	11005.9	8123.7
32.5°	17386.4	17326.8	17008.8	16479.7	15825.3	15342.1	14649.5	13926.3	12114.4	11843.8	8701.6
35°	18579.1	18508.7	18121.9	17640.3	16961.3	16475.2	15641.8	14729.0	12986.0	12721.4	9281.1
37.5°	19450.6	19368.0	18970.5	18475.1	17889.4	17606.6	16793.2	15602.0	13937.0	13652.6	9891.2
40°	19753.4	19681.5	19432.3	19069.9	18598.9	18534.7	18014.8	16606.6	14972.1	14669.4	10582.3
42.5°	19572.9	19502.6	19413.9	19291.6	19095.9	19157.0	19167.7	17751.9	16121.9	15823.7	11345.3
45°	18857.3	18794.6	18886.4	19065.2	19308.4	19611.1	20219.7	18982.7	17406.3	17088.3	12227.5
47.5°	17803.8	17758.0	18011.8	18458.2	19169.3	20004.1	21181.4	20276.3	18848.2	18553.1	13328.4
50°	16305.4	16297.8	16805.4	17620.4	18713.6	20193.7	22175.3	21747.2	20851.2	20540.8	14858.9
52.5°	13972.1	13987.5	14985.9	16290.2	17913.9	20065.3	22814.4	23637.0	23181.4	22858.8	16184.6
55°	11750.4	11842.2	12550.2	14430.9	16687.7	19588.2	23034.6	24519.3	24467.3	24161.5	16921.6
57.5°	9574.7	9741.4	10423.3	12180.2	14897.2	18488.8	22913.8	24901.6	25424.4	25190.5	17894.1
60°	7217.0	7293.4	8079.3	9721.4	12599.1	16482.8	22037.7	25109.5	26733.3	26571.2	19305.3
62.5°	4591.6	4782.8	5480.0	7064.0	9810.1	13696.9	20560.7	25106.4	28370.8	28459.5	21126.4
65°	2418.9	2642.1	3012.2	4377.5	6741.4	10585.4	18339.0	24870.9	30380.0	30503.8	22549.9
67.5°	1304.3	1368.4	1564.2	2272.1	3909.7	7171.1	15074.6	23708.9	31543.6	31707.2	22748.7
70°	954.1	989.3	1062.7	1256.8	1967.8	4165.0	10999.7	21074.4	30043.6	29982.4	20212.1
72.5°	732.4	787.4	842.5	920.5	1131.5	2223.2	6848.5	16502.6	23971.9	23568.2	15108.2
75°	577.9	587.2	665.1	735.5	848.6	1266.1	3041.2	9611.4	14631.2	13675.5	7834.7
77.5°	461.8	467.9	513.7	575.0	682.0	831.8	941.9	3781.2	4671.2	4168.1	1700.3
80°	273.7	289.0	382.2	443.4	565.7	524.5	344.0	821.1	729.3	660.6	285.9
82.5°	152.9	165.2	215.6	350.2	394.5	250.8	171.2	221.7	171.2	166.7	81.0
85°	0.0	7.6	139.2	217.1	160.5	55.1	71.8	73.4	50.5	47.4	32.1
87.5°	0.0	0.0	42.9	41.3	6.1	9.1	16.9	24.5	19.8	19.8	16.9
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°	2960.2	2960.2	2960.2	2960.2	2960.2	2960.2	2960.2	2960.2	2960.2	2960.2	2960.2
2.5°	3018.3	2935.7	2779.7	2626.9	2498.4	2392.9	2298.1	2259.8	2229.3	2224.7	2200.2
5°	3152.8	2986.2	2688.0	2443.4	2279.8	2163.5	2064.1	2003.0	1955.6	1937.2	1920.5
7.5°	3356.2	3103.9	2675.8	2394.4	2198.7	2003.0	1819.5	1620.8	1496.9	1449.5	1422.0
10°	3603.9	3259.9	2721.6	2380.7	2038.1	1625.4	1321.0	1068.8	966.3	932.7	923.5
12.5°	3892.8	3454.1	2801.2	2295.1	1695.7	1154.4	911.3	825.6	802.7	792.0	792.0
15°	4224.7	3666.6	2857.7	2047.4	1253.8	873.0	788.9	749.2	724.7	711.0	712.5
17.5°	4564.1	3874.5	2830.2	1688.1	925.0	776.7	714.0	671.3	637.6	623.9	620.8
20°	4906.6	4067.1	2677.3	1256.8	782.9	704.9	634.6	587.2	553.5	539.7	536.7
22.5°	5261.4	4230.8	2408.2	922.0	703.3	625.3	556.6	509.2	477.0	464.8	458.7
25°	5606.9	4363.8	2032.1	746.2	628.4	550.5	484.7	440.3	411.3	399.1	397.6
27.5°	5929.5	4447.9	1596.3	659.0	562.7	483.2	423.6	383.8	359.3	350.2	348.6
30°	6220.0	4455.6	1180.4	594.8	504.6	425.1	370.0	334.9	313.5	304.2	301.2
32.5°	6513.6	4391.3	859.4	536.7	451.1	374.6	321.1	293.5	278.3	270.6	270.6
35°	6790.3	4243.0	669.7	486.3	399.1	325.7	282.9	263.0	253.8	246.2	246.2
37.5°	7060.9	4030.5	568.8	441.9	350.2	284.4	249.2	237.0	229.3	221.7	221.7
40°	7336.2	3762.9	516.8	400.6	310.4	252.3	221.7	211.0	203.4	197.2	195.7
42.5°	7674.1	3454.1	483.2	362.4	275.2	223.2	195.7	183.5	177.4	171.2	168.2
45°	8065.5	3188.0	455.6	324.2	246.2	198.8	169.7	157.5	148.3	140.7	139.2
47.5°	8629.8	2995.3	418.9	282.9	218.6	172.8	146.8	133.0	119.2	111.6	110.1
50°	9349.9	2836.3	371.6	246.2	191.2	146.8	122.3	105.5	93.2	85.6	85.6
52.5°	9707.8	2628.4	328.7	214.1	160.5	123.9	99.4	79.6	73.4	65.8	65.8
55°	9851.4	2469.3	285.9	181.9	133.0	102.5	78.0	61.2	56.5	52.0	50.5
57.5°	10255.1	2423.5	249.2	154.5	110.1	81.0	59.6	45.8	42.9	36.7	36.7
60°	10905.0	2446.4	215.6	131.5	88.7	62.7	44.3	35.2	32.1	26.0	26.0
62.5°	11606.7	2417.4	181.9	113.2	68.8	45.8	30.6	26.0	26.0	15.3	13.8
65°	11741.3	2152.8	155.9	93.2	53.5	33.6	19.8	16.9	22.9	3.1	0.0
67.5°	10897.2	1669.7	134.5	71.8	39.8	26.0	15.3	7.6	19.8	0.0	0.0
70°	8713.9	1061.1	108.5	52.0	30.6	21.4	12.2	3.1	15.3	0.0	0.0
72.5°	6161.9	616.2	85.6	36.7	26.0	16.9	9.1	0.0	9.1	0.0	0.0
75°	3116.1	328.7	53.5	27.5	19.8	12.2	6.1	0.0	1.5	0.0	0.0
77.5°	674.3	152.9	33.6	19.8	13.8	7.6	3.1	0.0	0.0	0.0	0.0
80°	146.8	67.3	21.4	12.2	7.6	4.6	0.0	0.0	0.0	0.0	0.0
82.5°	53.5	35.2	10.7	6.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	29.1	18.4	6.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.3	6.1	1.5	1.5	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)