

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: P321880

Luminaire Tested: **GAN-SA6B-730-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22144 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G4

Input Watts (W): 249
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

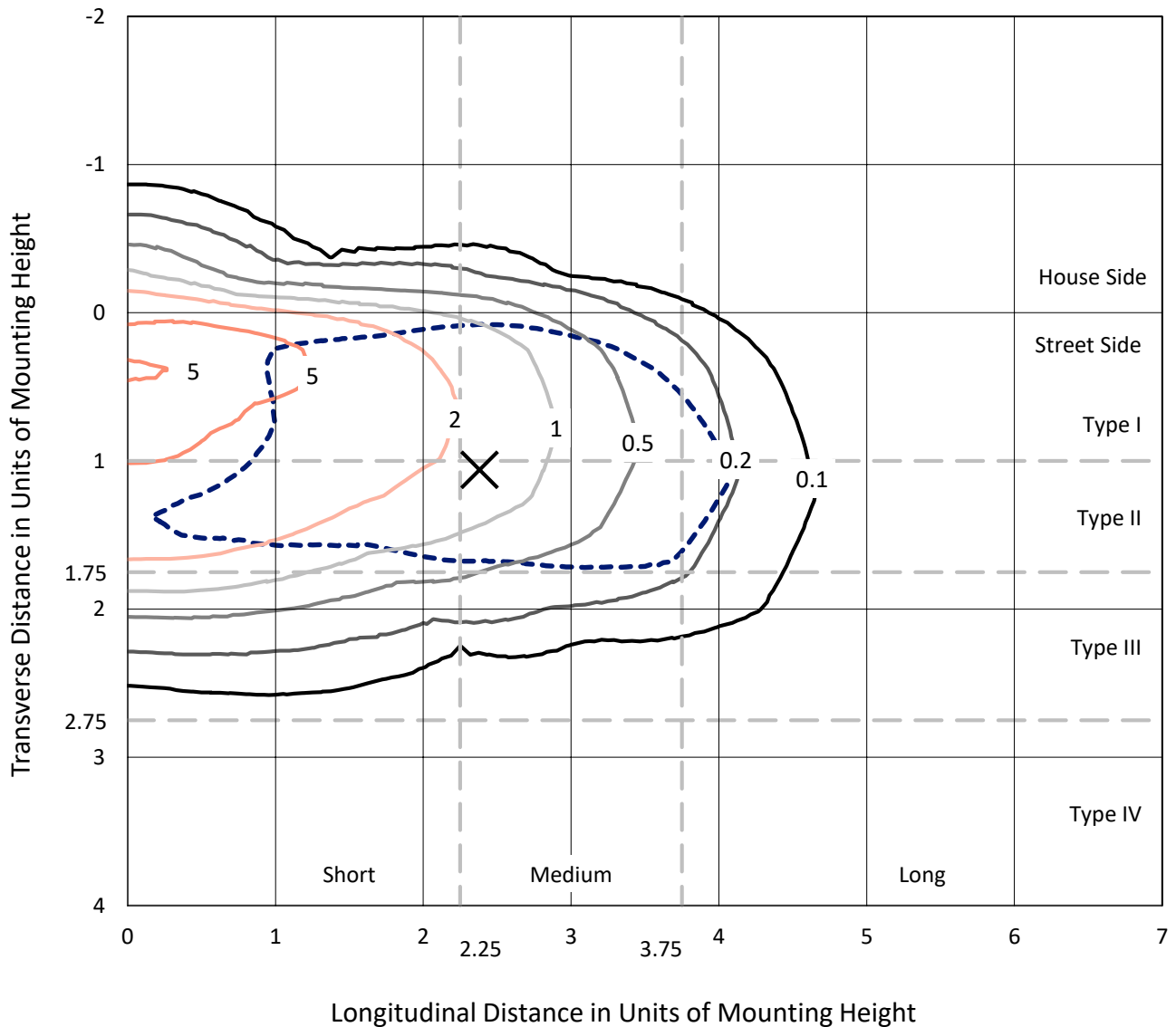




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Iso-Footcandle Lines of Horizontal Illumination

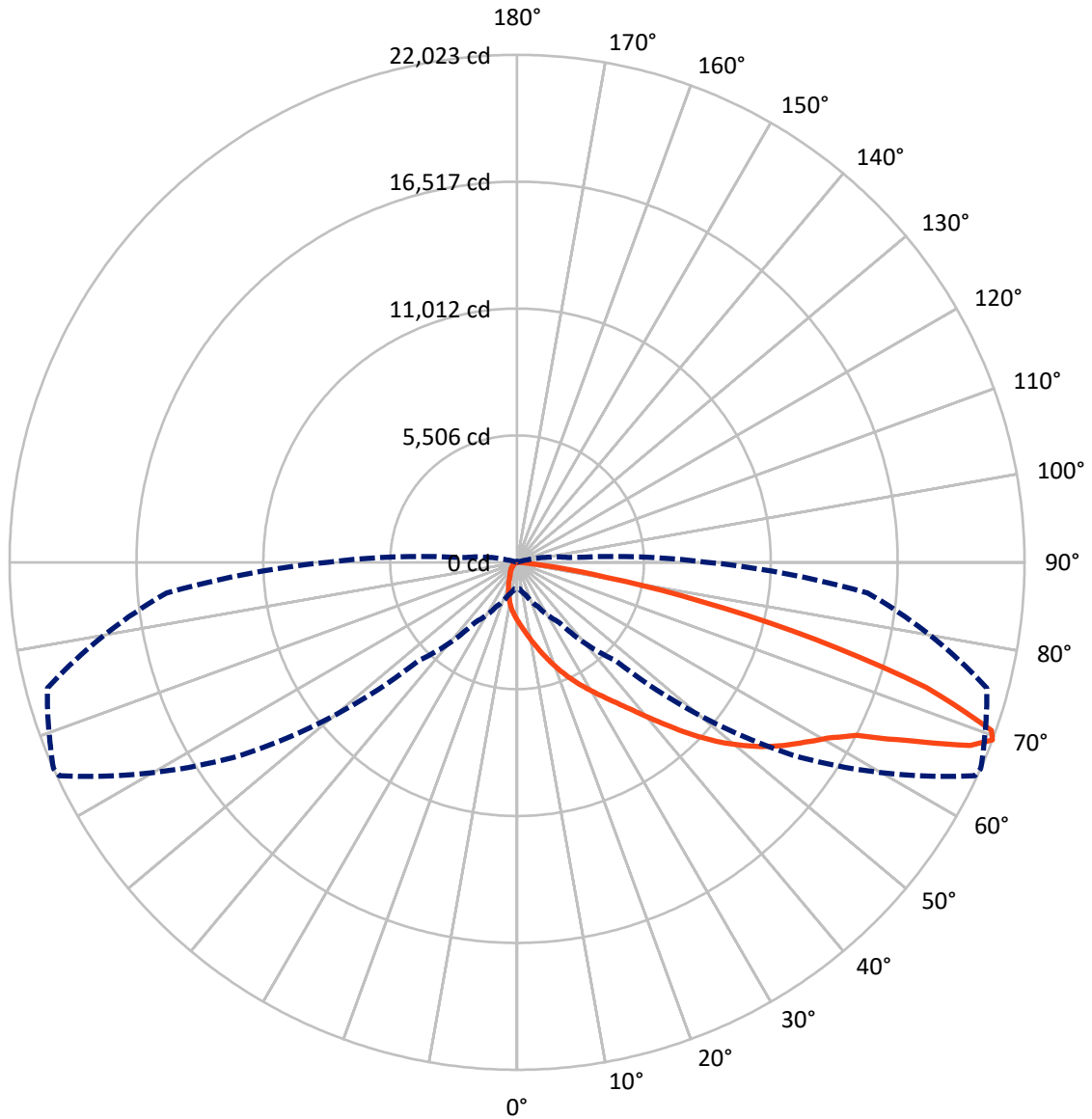
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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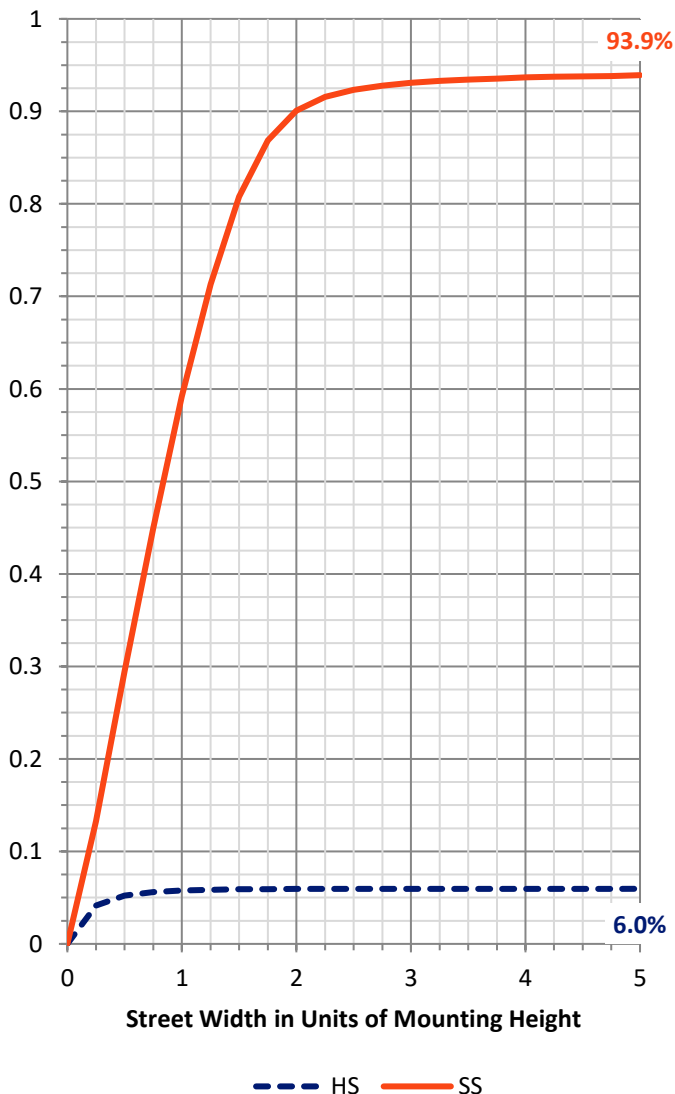
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1328.3	0.0	1328.3
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	20815.7	0.0	20815.7
	% Fixture	94.0	0.0	94.0
Total	Lumens	22144.0	0.0	22144.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.6	1.1
10°-20°	725.0	3.3
20°-30°	1262.5	5.7
30°-40°	2215.0	10.0
40°-50°	3707.6	16.7
50°-60°	5449.8	24.6
60°-70°	5595.6	25.3
70°-80°	2762.4	12.5
80°-90°	182.7	0.8
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°	22144.0	100.0
0°-180°	22144.0	100.0

Coefficient of Utilization

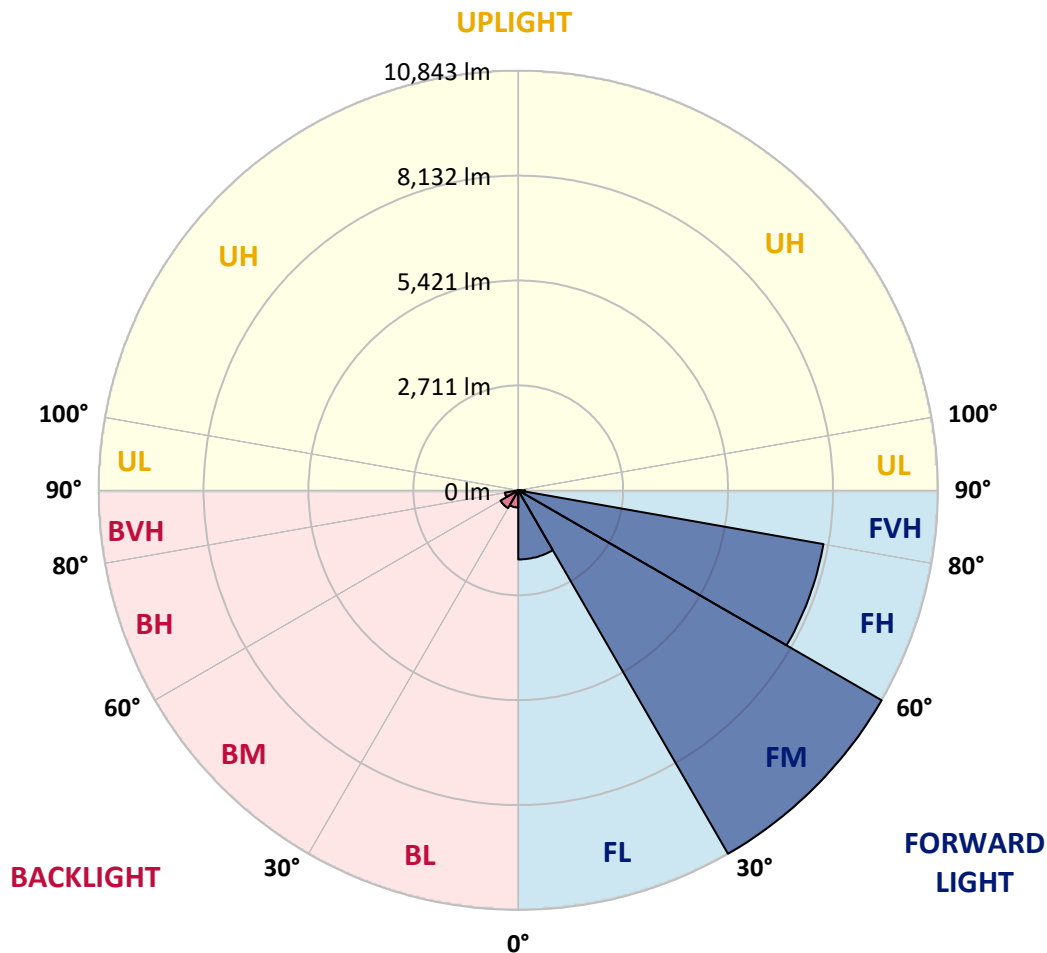


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1786.8	8.1			
FM (30°-60°)	10842.8	49.0			
FH (60°-80°)	8007.9	36.2			G4/12000
FVH (80°-90°)	178.2	0.8			G2/225
BL (0°-30°)	444.2	2.0	B1/500		
BM (30°-60°)	529.6	2.4	B1/1000		
BH (60°-80°)	350.1	1.6	B1/500		G1/500
BVH (80°-90°)	4.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G4
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2520.1	2520.1	2520.1	2520.1	2520.1	2520.1	2520.1	2520.1	2520.1	2520.1	2520.1
2.5°	2966.0	2953.4	2948.1	2925.0	2885.0	2854.5	2795.6	2727.3	2714.6	2648.4	2567.4
5°	3351.0	3340.4	3333.1	3300.5	3259.5	3182.7	3075.4	2948.1	2923.9	2797.7	2635.8
7.5°	3619.2	3638.1	3638.1	3617.1	3565.5	3507.7	3376.2	3202.7	3172.2	2978.6	2727.3
10°	3775.9	3799.0	3816.9	3834.8	3827.4	3804.3	3680.2	3484.5	3447.7	3191.1	2833.5
12.5°	3790.6	3813.7	3864.2	3938.9	4011.5	4064.1	3986.2	3796.9	3754.8	3437.2	2959.7
15°	3708.6	3732.8	3810.6	3955.7	4131.4	4284.9	4310.2	4143.0	4099.8	3730.7	3117.5
17.5°	3565.5	3581.3	3692.8	3893.7	4169.2	4451.1	4603.6	4514.2	4474.3	4066.2	3293.1
20°	3459.3	3470.9	3568.7	3784.3	4146.1	4555.2	4881.3	4908.6	4866.6	4425.9	3483.5
22.5°	3641.3	3662.3	3665.4	3767.5	4083.0	4606.8	5125.3	5296.8	5265.2	4807.7	3670.7
25°	4138.7	4162.9	4083.0	4019.9	4136.6	4629.9	5334.6	5694.3	5669.1	5218.9	3859.0
27.5°	4796.1	4821.3	4718.3	4530.0	4417.5	4717.2	5520.8	6098.2	6097.2	5654.4	4062.0
30°	5441.9	5467.1	5362.0	5173.7	4915.0	4964.4	5681.7	6521.0	6527.3	6103.5	4277.6
32.5°	6119.2	6150.8	6042.5	5800.6	5530.2	5391.4	5907.8	6945.9	6981.7	6624.1	4520.5
35°	6889.1	6893.3	6740.8	6487.4	6176.0	5962.5	6270.7	7422.4	7507.6	7268.8	4828.7
37.5°	7644.3	7674.8	7549.7	7150.0	6863.9	6622.0	6810.3	8017.7	8138.7	8056.6	5231.5
40°	8203.9	8268.0	8250.1	7818.9	7547.6	7375.1	7480.2	8725.5	8879.1	8973.8	5739.5
42.5°	8555.2	8603.5	8685.6	8425.8	8179.7	8208.1	8271.2	9550.1	9739.5	10019.2	6323.3
45°	8958.0	8981.1	9049.5	8934.8	8768.7	9054.8	9110.5	10478.9	10677.6	11143.6	6971.2
47.5°	9450.2	9504.9	9523.8	9418.7	9342.9	9803.6	9919.3	11323.4	11602.2	12347.9	7656.9
50°	10077.1	10091.8	10124.4	10056.0	9980.3	10447.3	10645.0	12210.1	12463.6	13556.4	8333.2
52.5°	10690.3	10742.9	10856.4	10813.3	10782.8	10995.3	11291.9	13009.4	13292.4	14564.0	9008.5
55°	10867.0	10912.2	11304.5	11572.7	11820.9	11670.5	11910.3	13725.7	14031.8	15464.3	9658.5
57.5°	10161.2	10252.7	10932.2	11630.6	12660.2	12720.2	12760.2	14460.9	14735.4	16154.2	10334.8
60°	8377.4	8395.3	9510.2	10708.1	12521.4	13636.3	14001.3	15250.8	15481.1	16796.9	11144.6
62.5°	5328.3	5510.3	6733.5	8424.7	11053.1	13503.8	15502.1	16445.6	16529.7	17567.8	12305.8
65°	2537.9	2655.7	3537.1	5205.2	8006.1	11807.3	16538.1	18607.0	18644.9	19096.1	13857.2
67.5°	1405.2	1462.0	1881.6	2801.9	4680.4	8350.1	16119.5	21167.0	21202.8	20656.9	15218.2
69°	1099.1	1147.5	1477.7	2112.0	3173.2	6001.4	14587.1	21916.9	22023.2	21103.9	15266.5
70°	932.9	980.3	1272.7	1783.8	2551.6	4637.3	12984.2	21730.8	21843.3	21061.8	14905.8
72.5°	571.1	598.5	847.7	1255.8	1710.2	2332.8	8007.2	18377.7	18568.1	19320.1	12810.6
75°	385.0	399.7	530.1	866.7	1223.2	1201.1	4159.8	12953.7	13366.0	15028.8	9461.8
77.5°	275.6	289.2	355.5	560.6	857.2	793.0	1883.7	8050.3	8138.7	9013.7	5160.0
80°	156.7	169.3	251.4	333.4	581.6	529.0	748.9	3845.3	3889.5	3865.3	1722.8
82.5°	82.0	92.6	137.8	219.8	373.4	346.0	311.3	1287.4	1293.7	1076.0	377.6
85°	15.8	18.9	68.4	150.4	192.5	150.4	127.3	301.9	308.2	272.4	93.6
87.5°	0.0	1.1	27.3	33.7	37.9	38.9	41.0	58.9	63.1	85.2	25.2
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°	2520.1	2520.1	2520.1	2520.1	2520.1	2520.1	2520.1	2520.1	2520.1	2520.1	2520.1
2.5°	2531.6	2493.8	2421.2	2337.0	2271.8	2207.7	2157.2	2104.6	2085.7	2076.2	2075.2
5°	2556.9	2476.9	2323.4	2165.6	2036.2	1914.2	1826.9	1743.8	1704.9	1687.1	1679.7
7.5°	2598.9	2470.6	2223.5	1982.6	1796.4	1643.9	1523.0	1432.5	1387.3	1368.4	1361.0
10°	2648.4	2462.2	2106.7	1789.1	1551.4	1393.6	1273.7	1184.3	1134.9	1113.8	1103.3
12.5°	2706.2	2447.5	1972.1	1593.4	1342.1	1184.3	1039.2	928.7	871.9	847.7	836.2
15°	2777.7	2432.8	1831.1	1409.4	1158.0	965.5	806.7	732.0	720.5	716.3	717.3
17.5°	2848.2	2409.6	1677.6	1227.4	964.5	754.1	673.1	668.9	671.0	671.0	671.0
20°	2911.3	2357.0	1510.4	1071.8	780.4	636.3	619.5	612.1	606.9	602.7	597.4
22.5°	2960.8	2286.6	1349.4	917.1	637.4	582.7	556.4	533.3	514.3	501.7	495.4
25°	2994.4	2193.0	1202.2	768.8	573.2	530.1	482.8	443.8	414.4	396.5	389.2
27.5°	3019.7	2092.0	1070.7	643.7	529.0	469.1	407.0	360.8	330.3	314.5	308.2
30°	3037.5	1977.3	955.0	565.9	479.6	404.9	338.7	293.4	271.4	262.9	258.7
32.5°	3054.4	1850.1	845.6	529.0	433.3	346.0	284.0	249.3	235.6	225.1	221.9
35°	3096.4	1732.3	741.5	490.1	386.0	295.5	244.0	218.8	205.1	198.8	196.7
37.5°	3196.4	1645.0	641.6	450.2	338.7	255.6	213.5	195.6	183.0	176.7	174.6
40°	3357.3	1600.8	557.4	407.0	292.4	225.1	193.5	176.7	163.0	153.6	151.5
42.5°	3593.9	1607.1	498.5	363.9	255.6	200.9	174.6	154.6	139.9	131.5	129.4
45°	3881.1	1653.4	457.5	321.8	225.1	182.0	153.6	132.5	118.9	111.5	109.4
47.5°	4192.4	1728.1	423.9	284.0	200.9	164.1	132.5	110.4	98.9	92.6	91.5
50°	4520.5	1800.6	389.2	247.2	179.9	146.2	111.5	91.5	82.0	76.8	74.7
52.5°	4852.9	1884.8	357.6	213.5	162.0	125.2	92.6	74.7	67.3	63.1	61.0
55°	5210.5	1947.9	327.1	187.2	144.1	106.2	76.8	62.1	55.7	50.5	49.4
57.5°	5631.2	2045.7	295.5	162.0	123.1	88.3	63.1	49.4	44.2	38.9	37.9
60°	6199.2	2160.4	261.9	143.0	101.0	72.6	51.5	40.0	33.7	29.4	28.4
62.5°	6948.0	2287.6	219.8	125.2	82.0	58.9	41.0	31.6	24.2	18.9	18.9
65°	7897.8	2494.8	179.9	105.2	67.3	48.4	31.6	23.1	13.7	8.4	8.4
67.5°	8452.1	2530.6	145.1	86.2	54.7	41.0	26.3	15.8	4.2	1.1	0.0
69°	8274.3	2323.4	123.1	73.6	47.3	38.9	24.2	11.6	2.1	0.0	0.0
70°	7939.9	2124.6	108.3	65.2	43.1	36.8	23.1	8.4	2.1	0.0	0.0
72.5°	6561.0	1512.5	82.0	48.4	31.6	32.6	21.0	5.3	2.1	0.0	0.0
75°	4779.3	919.3	58.9	33.7	20.0	24.2	14.7	2.1	1.1	0.0	0.0
77.5°	2658.9	433.3	36.8	18.9	12.6	14.7	7.4	0.0	0.0	0.0	0.0
80°	863.5	117.8	16.8	10.5	7.4	8.4	3.2	0.0	0.0	0.0	0.0
82.5°	159.9	33.7	9.5	5.3	2.1	2.1	0.0	0.0	0.0	0.0	0.0
85°	34.7	13.7	5.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.6	4.2	1.1	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)