

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: P318684

Luminaire Tested: **GAN-SA0B-730-U-T4FT**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P318684  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA0B-730-U-T4FT  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 51821 lumens  
Efficiency: N/A  
Efficacy: 123.7 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5

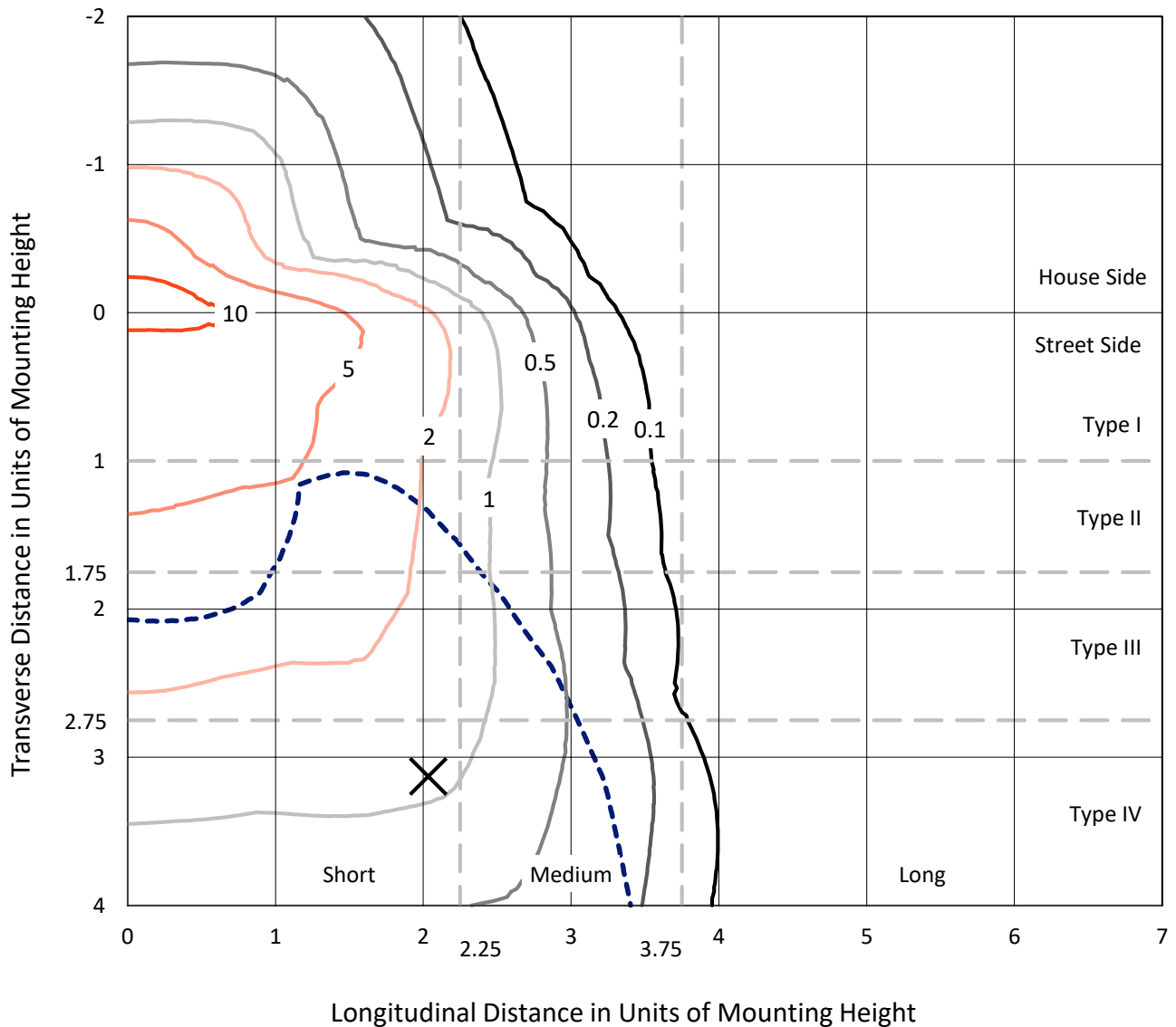
Input Watts (W): 419  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

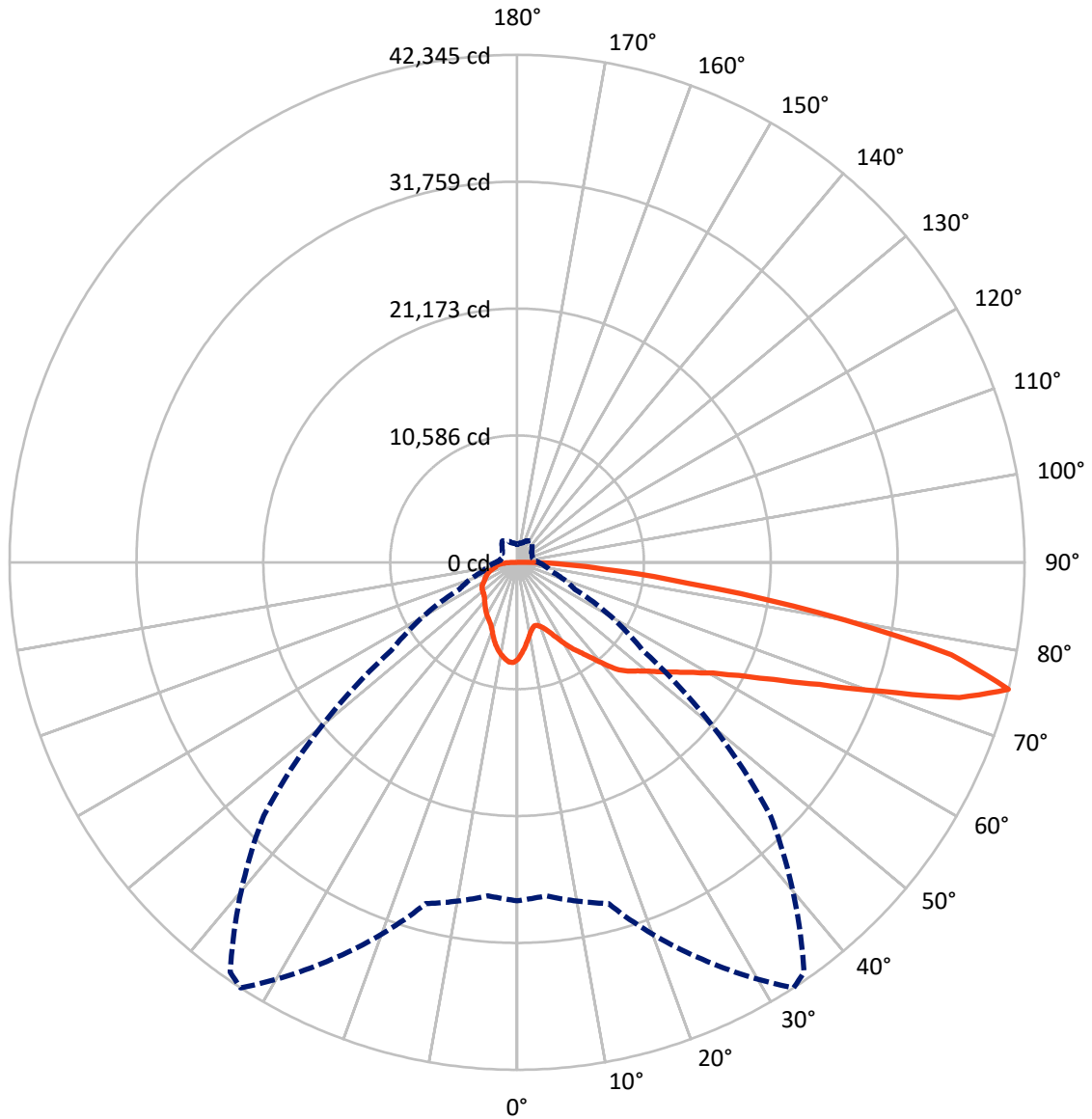
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 33-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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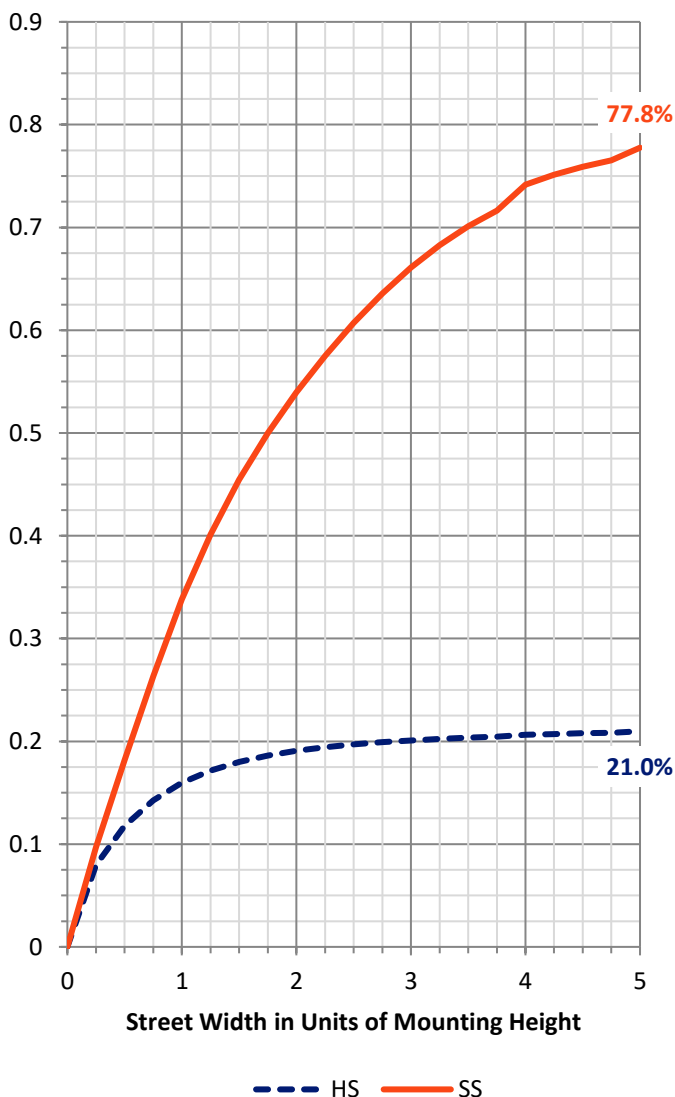
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11127.3	0.0	11127.3
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	40693.7	0.0	40693.7
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	51821.0	0.0	51821.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	732.5	1.4
10°-20°	1984.0	3.8
20°-30°	3240.2	6.3
30°-40°	4825.4	9.3
40°-50°	6920.9	13.4
50°-60°	9501.4	18.3
60°-70°	11895.3	23.0
70°-80°	10761.1	20.8
80°-90°	1960.2	3.8
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°	51821.0	100.0
0°-180°	51821.0	100.0

**Coefficient of Utilization**

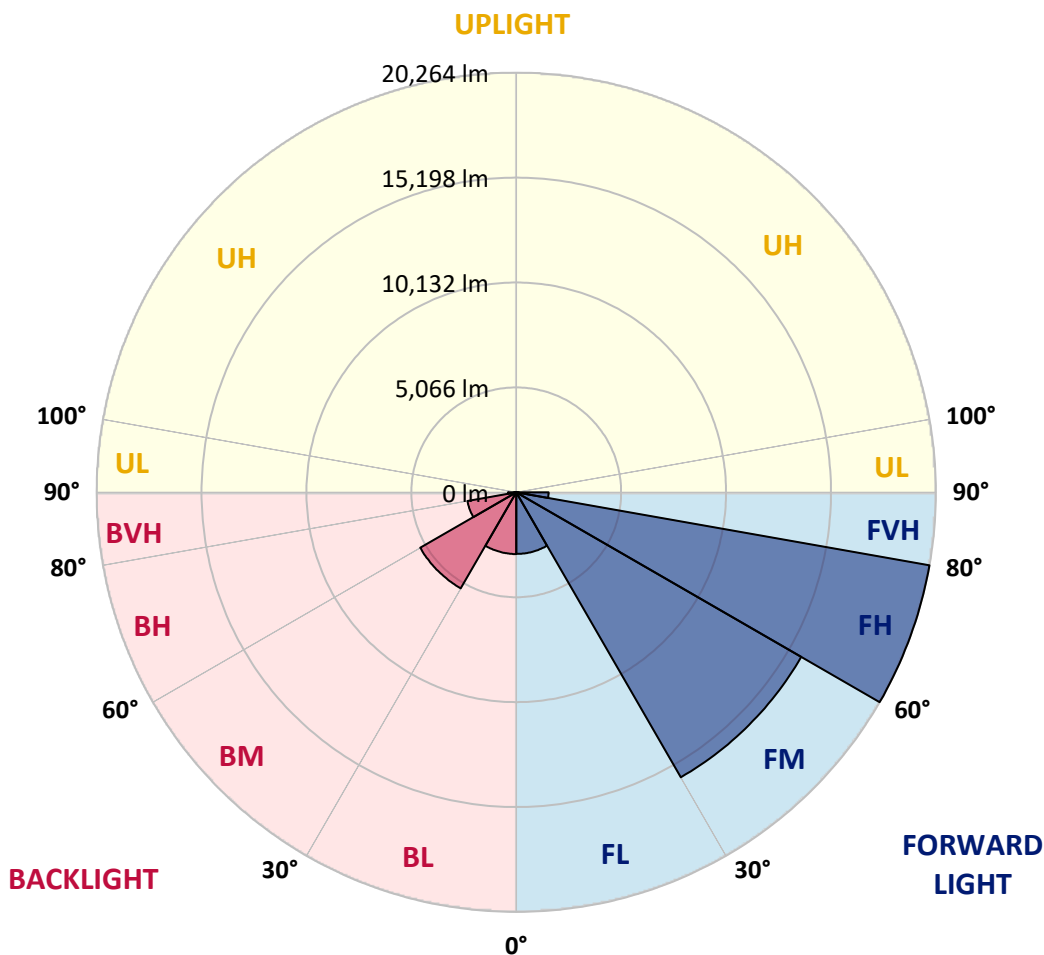


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2976.3	5.7			
FM (30°-60°)	15892.4	30.7			
FH (60°-80°)	20263.8	39.1			G5
FVH (80°-90°)	1561.1	3.0			G5
BL (0°-30°)	2980.4	5.8	B4/5000		
BM (30°-60°)	5355.3	10.3	B4/8500		
BH (60°-80°)	2392.6	4.6	B3/2500		G3/2500
BVH (80°-90°)	399.1	0.8			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	8099.9	8099.9	8099.9	8099.9	8099.9	8099.9	8099.9	8099.9	8099.9	8099.9	8099.9
2.5°	7521.7	7493.1	7546.8	7554.0	7600.5	7618.4	7682.8	7783.1	7865.4	7960.3	8046.2
5°	6839.7	6820.0	6895.2	6948.9	7051.0	7093.9	7246.1	7459.1	7648.8	7863.6	8058.7
7.5°	6191.7	6181.0	6265.1	6386.8	6505.0	6564.1	6827.2	7136.9	7453.7	7801.0	8099.9
10°	5645.8	5642.2	5722.7	5842.7	6016.3	6082.5	6422.6	6830.8	7274.7	7752.6	8169.7
12.5°	5339.7	5352.2	5389.8	5490.0	5651.1	5717.4	6095.1	6574.8	7124.3	7736.5	8271.8
15°	5414.9	5434.5	5370.1	5366.5	5481.1	5533.0	5887.4	6392.2	7016.9	7763.4	8420.3
17.5°	5735.3	5738.9	5568.8	5461.4	5531.2	5558.1	5823.0	6288.4	6954.3	7824.2	8606.5
20°	6186.4	6177.4	5876.7	5697.7	5735.3	5742.4	5914.3	6290.2	6948.9	7929.9	8848.1
22.5°	6784.2	6718.0	6313.5	6070.0	6061.1	6050.3	6148.8	6422.6	7027.7	8101.7	9136.3
25°	7564.7	7502.0	6945.3	6612.4	6540.8	6513.9	6528.3	6705.5	7183.4	8286.1	9458.6
27.5°	8432.9	8323.7	7786.7	7315.9	7167.3	7129.7	7043.8	7104.7	7353.5	8463.3	9841.6
30°	9159.6	9100.5	8631.6	8073.1	7897.6	7843.9	7618.4	7552.2	7598.7	8704.9	10324.9
32.5°	9566.0	9526.6	9242.0	8790.9	8628.0	8552.8	8234.2	8101.7	7992.5	9086.2	10980.1
35°	10058.2	10033.2	9861.3	9533.7	9292.1	9213.3	8966.3	8828.5	8547.4	9610.7	11826.8
37.5°	10684.7	10657.9	10661.5	10396.5	10108.3	10034.9	9872.0	9727.1	9267.0	10299.9	12746.8
40°	11393.6	11341.7	11322.0	11309.4	11126.9	11085.7	10999.8	10802.9	10169.2	11123.3	13654.4
42.5°	12460.4	12276.1	11882.3	12030.8	12211.6	12190.1	12260.0	11977.1	11171.6	12097.1	14540.5
45°	13489.7	13187.2	12507.0	12539.2	12934.8	13054.7	13577.4	13376.9	12258.2	13163.9	15457.0
47.5°	13958.7	13729.6	13151.4	13153.2	13545.2	13794.0	14939.6	14796.4	13400.2	14375.8	16575.7
50°	14483.2	14254.1	13734.9	13930.1	14272.0	14536.9	16255.3	16181.9	14486.8	15702.2	17916.5
52.5°	15056.0	14667.6	14338.2	14687.2	15167.0	15474.9	17572.8	17372.3	15483.8	17037.6	19457.7
55°	15063.2	14957.5	15208.1	15464.1	16181.9	16559.6	18952.9	18423.1	16296.5	18349.7	20712.5
57.5°	15920.6	15748.7	16280.4	16398.5	17336.5	17762.5	20325.9	19337.8	17123.5	19355.7	21389.1
60°	17055.5	16908.7	17343.7	17655.1	18764.9	19334.2	21791.9	20277.5	17773.3	20114.6	21356.9
62.5°	19015.6	18849.1	18843.7	19280.5	20775.2	21437.5	23436.9	21199.4	18031.0	20265.0	20445.8
65°	21885.0	21620.1	21120.6	21328.3	23551.5	24212.0	25275.3	21867.1	17690.9	19459.5	18099.1
67.5°	24677.4	24668.5	24054.5	24480.5	27217.5	27747.3	27369.7	21933.3	16629.4	16654.5	13935.4
70°	27460.9	27496.7	27392.9	28875.1	32170.5	32721.9	29600.0	21043.7	14243.3	12027.3	8348.7
72.5°	29666.3	29657.3	30180.0	34001.7	38598.5	38475.0	31479.6	18347.9	10226.5	6492.5	3990.0
75°	28237.8	27926.4	29483.7	36540.0	42345.1	41741.8	29881.1	12798.8	5307.5	2955.3	2148.0
77.5°	18417.7	18713.0	20998.9	30185.4	37039.4	36305.5	21922.6	5971.6	2500.7	1938.6	1557.3
80°	6669.7	6981.1	9832.7	17098.4	25518.8	25398.8	10795.7	2454.1	1691.6	1464.2	1134.9
82.5°	2294.8	2409.4	3879.0	7593.3	14408.0	14945.0	4061.6	1394.4	1229.8	1038.2	776.9
85°	900.4	1031.1	1773.9	3653.5	7267.5	7321.2	1645.0	834.2	855.6	680.2	426.0
87.5°	341.9	415.3	848.5	1697.0	3318.7	3048.4	588.9	397.4	486.9	404.5	202.3
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°	8099.9	8099.9	8099.9	8099.9	8099.9	8099.9	8099.9	8099.9	8099.9	8099.9	8099.9
2.5°	8112.4	8150.0	8228.8	8282.5	8339.8	8355.9	8363.0	8377.4	8391.7	8386.3	8388.1
5°	8162.6	8236.0	8363.0	8416.7	8441.8	8413.2	8357.7	8312.9	8280.7	8262.8	8257.4
7.5°	8244.9	8348.7	8484.8	8475.8	8418.5	8291.4	8148.2	8040.8	7951.3	7919.1	7901.2
10°	8354.1	8475.8	8570.7	8468.7	8302.2	8082.0	7867.2	7700.7	7566.5	7514.6	7505.6
12.5°	8493.7	8617.2	8635.1	8418.5	8142.9	7842.1	7550.4	7330.2	7129.7	7065.3	7051.0
15°	8674.5	8790.9	8679.9	8330.8	7946.0	7541.4	7163.7	6864.8	6653.6	6574.8	6546.2
17.5°	8864.3	8975.2	8688.8	8185.8	7688.2	7185.2	6710.8	6404.7	6163.1	6071.8	6061.1
20°	9091.6	9141.7	8651.2	7978.2	7333.8	6723.4	6224.0	5935.8	5806.9	5742.4	5735.3
22.5°	9372.6	9318.9	8565.3	7697.2	6884.5	6189.9	5783.6	5649.4	5617.1	5602.8	5608.2
25°	9669.8	9505.1	8438.2	7330.2	6317.0	5656.5	5461.4	5499.0	5542.0	5536.6	5536.6
27.5°	9997.4	9694.8	8243.1	6843.3	5688.7	5219.7	5243.0	5380.8	5445.3	5443.5	5441.7
30°	10418.0	9909.6	7994.3	6258.0	5101.6	4911.9	5053.3	5221.5	5309.2	5305.7	5307.5
32.5°	10935.3	10145.9	7656.0	5604.6	4677.4	4684.5	4847.4	5013.9	5115.9	5107.0	5108.8
35°	11540.4	10410.8	7197.7	4960.2	4396.3	4503.7	4632.6	4749.0	4845.6	4833.1	4820.6
37.5°	12199.1	10670.4	6589.1	4383.8	4167.2	4335.5	4442.9	4462.6	4507.3	4475.1	4451.8
40°	12825.6	10869.1	5805.1	3911.2	3936.3	4192.3	4262.1	4183.3	4102.8	4092.0	4059.8
42.5°	13371.6	10935.3	5012.1	3533.5	3692.8	4041.9	4084.9	3920.2	3775.2	3707.2	3678.5
45°	13948.0	10958.6	4272.8	3216.7	3458.3	3907.6	3954.2	3734.0	3530.0	3383.2	3334.8
47.5°	14701.6	11126.9	3698.2	2982.2	3279.3	3818.1	3884.4	3585.4	3320.5	3111.1	3066.3
50°	15687.9	11459.8	3231.0	2803.2	3163.0	3759.1	3834.3	3440.4	3148.7	2896.3	2851.5
52.5°	16783.4	11765.9	2853.3	2658.2	3050.2	3655.3	3769.8	3336.6	2987.6	2697.6	2649.3
55°	17549.5	11531.4	2549.0	2507.8	2903.4	3506.7	3680.3	3248.9	2756.7	2504.3	2461.3
57.5°	17696.3	10729.5	2318.1	2352.1	2726.2	3320.5	3542.5	3053.8	2631.4	2420.1	2375.4
60°	17295.3	9612.5	2146.3	2208.9	2536.5	3086.0	3284.7	2916.0	2511.4	2330.6	2293.0
62.5°	16287.5	8468.7	2019.2	2080.0	2359.3	2847.9	3123.6	2771.0	2389.7	2228.6	2191.0
65°	14252.3	7110.0	1897.4	1965.5	2194.6	2642.1	2978.6	2636.7	2269.8	2146.3	2110.5
67.5°	10758.1	5325.4	1782.9	1843.7	2047.8	2463.1	2821.1	2504.3	2153.4	2074.7	2031.7
70°	6334.9	3334.8	1652.2	1716.6	1893.9	2276.9	2652.8	2359.3	2008.4	1972.6	1917.1
72.5°	2948.2	2006.6	1503.6	1566.3	1700.5	2028.1	2436.2	2169.5	1836.6	1757.8	1682.6
75°	1759.6	1467.8	1328.2	1383.7	1478.6	1763.2	2164.2	1976.2	1673.7	1569.9	1491.1
77.5°	1315.7	1122.4	1134.9	1194.0	1270.9	1543.0	1917.1	1824.0	1548.4	1467.8	1414.1
80°	946.9	852.1	925.4	989.9	1070.4	1403.4	1836.6	1686.2	1399.8	1292.4	1242.3
82.5°	631.9	612.2	696.3	762.6	841.3	1228.0	1725.6	1476.8	1195.7	1059.7	948.7
85°	349.1	368.7	469.0	497.6	565.7	864.6	1414.1	1186.8	900.4	725.0	692.7
87.5°	145.0	170.1	252.4	243.4	300.7	515.5	930.8	716.0	572.8	427.8	332.9
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)