

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: P320930

Luminaire Tested: **GAN-SA6C-730-U-AFL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P320930  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6C-730-U-AFL  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 39525 lumens  
Efficiency: N/A  
Efficacy: 118.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

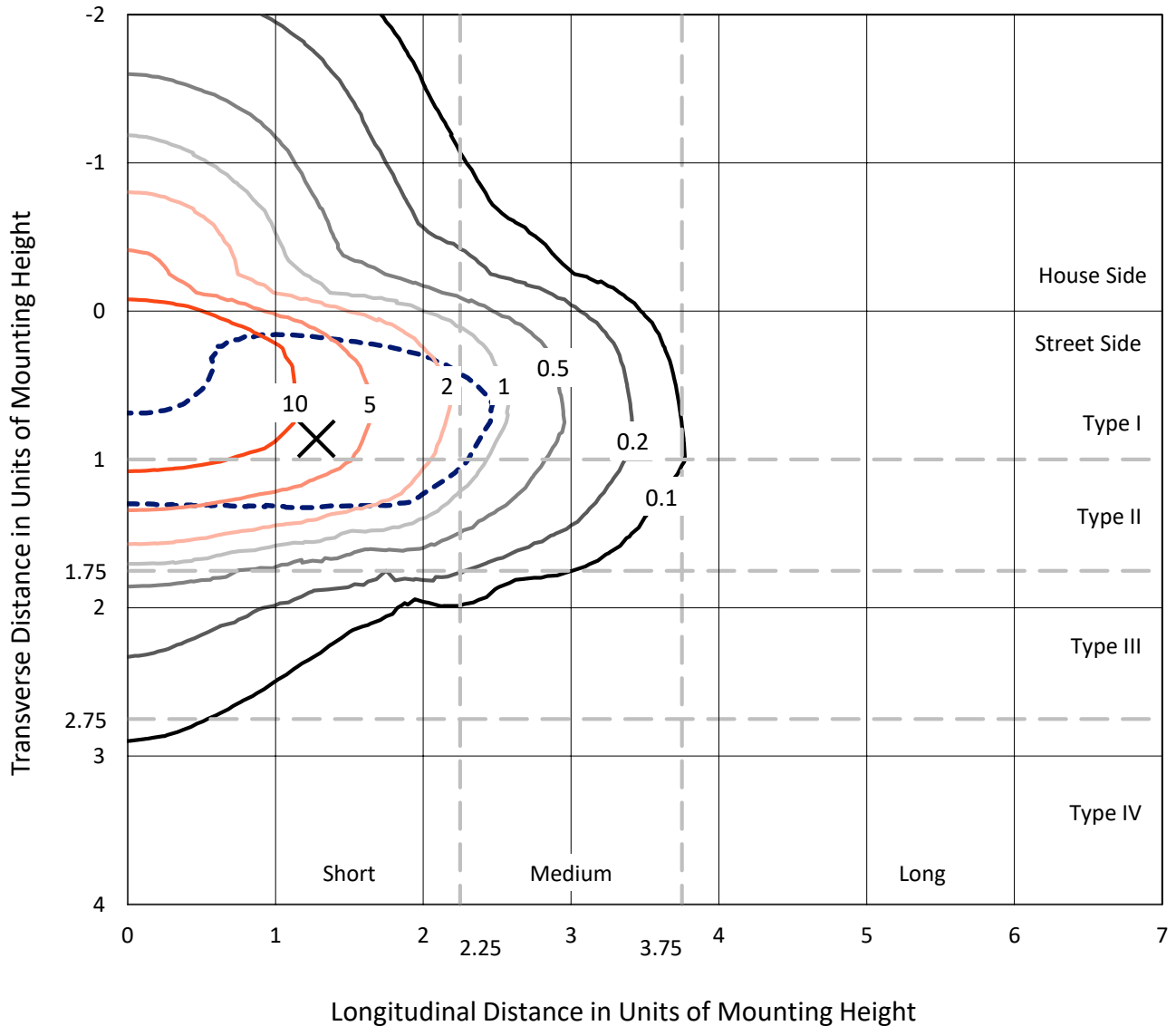
Input Watts (W): 333  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

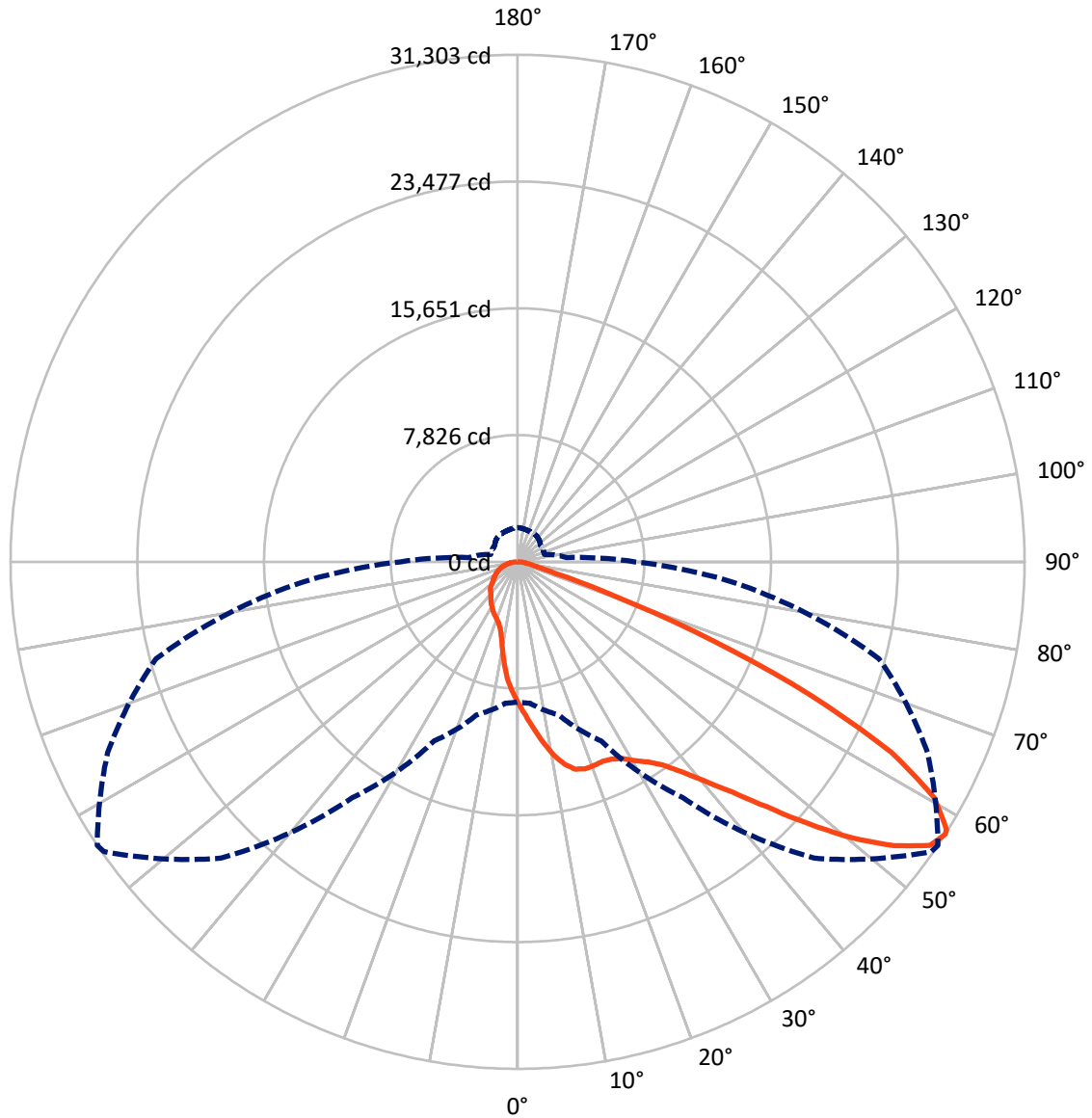
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral      - - - Horizontal Cone Through 57-Deg Vertical

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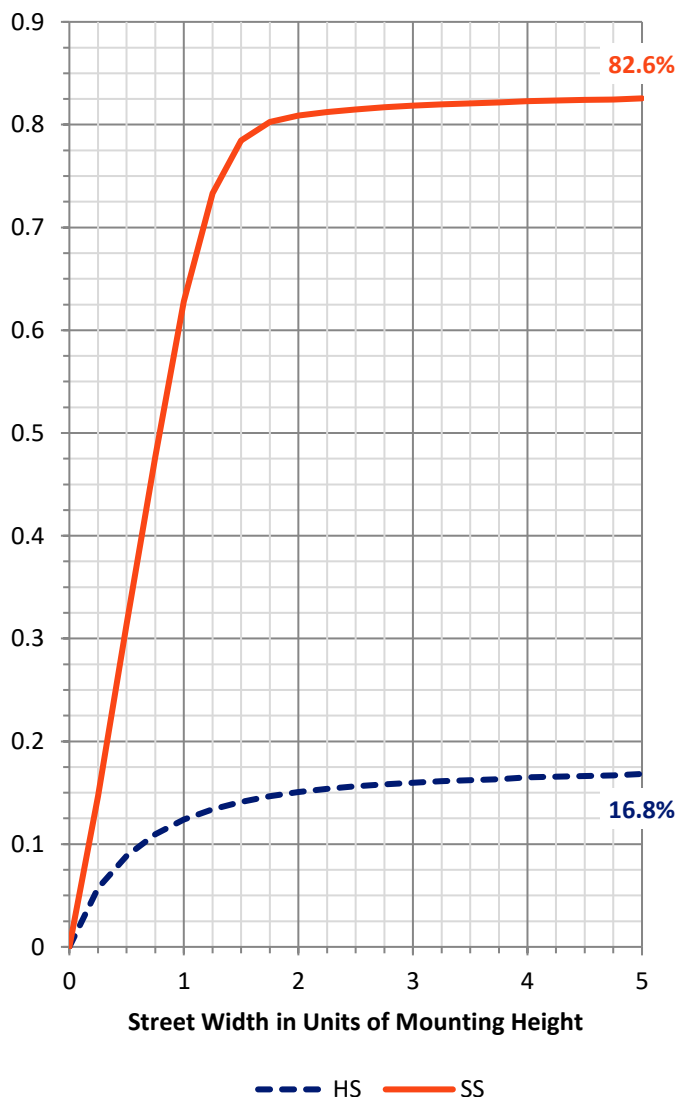
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6813.3	0.0	6813.3
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	32711.7	0.0	32711.7
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	39525.0	0.0	39525.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	837.4	2.1
10°-20°	2367.6	6.0
20°-30°	3856.4	9.8
30°-40°	5764.9	14.6
40°-50°	8744.1	22.1
50°-60°	9800.7	24.8
60°-70°	5788.6	14.6
70°-80°	1896.6	4.8
80°-90°	468.6	1.2
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°	39525.0	100.0
0°-180°	39525.0	100.0

**Coefficient of Utilization**



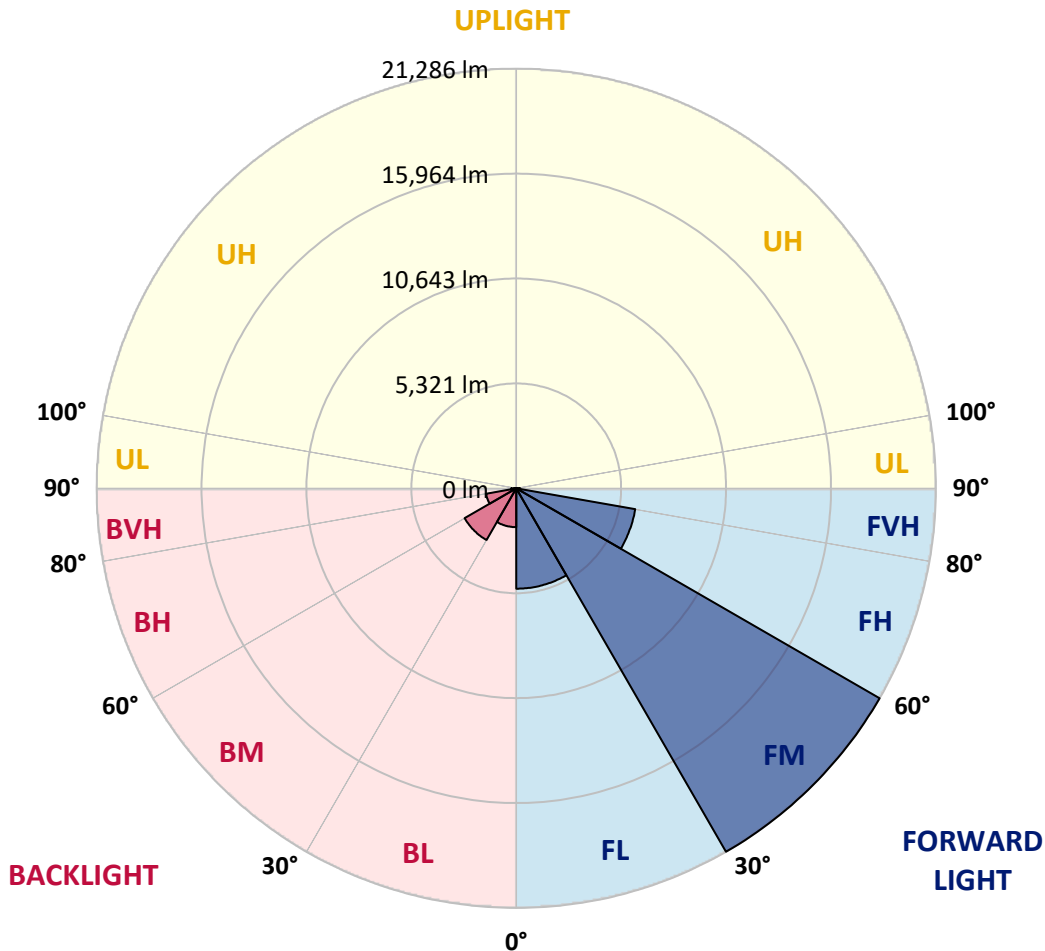
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 CATALOG NUMBER: GAN-SA6C-730-U-AFL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5091.4	12.9			
FM (30°-60°)	21285.5	53.9			
FH (60°-80°)	6128.5	15.5			G3/7500
FVH (80°-90°)	206.3	0.5			G2/225
BL (0°-30°)	1970.1	5.0	B3/2500		
BM (30°-60°)	3024.2	7.7	B3/5000		
BH (60°-80°)	1556.7	3.9	B3/2500		G3/2500
BVH (80°-90°)	262.3	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	8766.7	8766.7	8766.7	8766.7	8766.7	8766.7	8766.7	8766.7	8766.7	8766.7	8766.7
2.5°	10066.6	10159.0	10118.2	9977.0	9868.3	9714.8	9543.6	9492.0	9311.4	9109.0	8865.8
5°	11659.9	11613.7	11547.2	11327.1	11094.9	10824.6	10395.3	10327.4	9925.3	9467.6	8984.0
7.5°	12567.3	12563.2	12523.8	12394.8	12182.9	11829.7	11312.2	11232.1	10624.9	9888.7	9138.9
10°	12435.5	12426.0	12491.2	12625.7	12689.5	12616.2	12180.2	12100.0	11354.3	10354.6	9318.2
12.5°	11687.1	11692.5	11797.1	12079.7	12464.1	12925.9	12855.3	12815.9	12110.9	10881.6	9535.5
15°	11104.4	11116.6	11199.5	11445.3	11899.0	12737.1	13265.5	13279.1	12843.0	11463.0	9789.5
17.5°	10849.0	10874.8	10912.8	11085.4	11501.0	12360.8	13363.3	13436.6	13484.2	12066.1	10034.0
20°	10930.5	10955.0	10965.8	11075.8	11416.8	12132.6	13295.4	13427.1	13975.9	12633.9	10278.5
22.5°	11295.9	11310.8	11317.6	11346.2	11611.0	12197.8	13250.5	13389.1	14331.8	13143.2	10463.2
25°	11901.7	11890.8	11847.4	11810.7	11988.6	12455.9	13353.8	13485.5	14621.1	13605.1	10584.1
27.5°	12627.1	12613.5	12529.3	12428.7	12530.6	12858.0	13651.2	13755.8	14880.5	14037.0	10645.3
30°	13497.8	13462.4	13303.5	13184.0	13223.4	13461.1	14141.6	14236.7	15281.2	14527.4	10705.0
32.5°	14504.3	14466.2	14236.7	14038.4	14038.4	14236.7	14646.9	14725.7	15620.8	15081.6	10801.5
35°	15764.8	15717.3	15418.4	15085.6	14991.9	15092.4	15335.6	15391.3	16232.1	15779.8	10976.7
37.5°	17250.8	17187.0	16799.9	16354.3	16149.2	16143.8	16319.0	16433.1	17208.7	16696.6	11274.2
40°	18740.9	18696.1	18357.9	18007.4	17605.4	17476.3	17746.6	17781.9	18485.6	17834.9	11654.5
42.5°	19892.8	19884.6	19822.2	19868.3	19456.8	19196.0	19407.9	19436.4	20044.9	19066.9	12059.3
45°	20501.3	20514.9	20817.8	21488.8	21641.0	21450.8	21555.4	21563.5	21827.1	20309.8	12430.1
47.5°	20013.7	20084.3	20850.4	22351.4	23597.0	24228.6	24054.7	24155.2	23554.9	21377.4	12720.8
50°	18113.4	18200.3	19504.3	21967.0	24509.8	26916.7	26825.7	26802.6	24948.5	22159.8	12878.4
52.5°	15759.4	15827.3	16903.1	19968.9	23840.1	28402.7	29238.1	29118.6	26187.3	22745.3	12908.2
55°	12174.7	12280.7	13311.7	15980.8	21131.6	27835.0	31012.1	30904.8	27316.1	23052.3	12872.9
57°	8655.3	8766.7	9790.9	12196.5	17776.5	25869.5	31188.7	31302.8	27926.0	23103.9	12912.3
57.5°	7723.5	7837.6	8852.3	11188.6	16730.6	25159.0	31036.6	31226.7	28036.0	23095.7	12934.0
60°	3888.9	3932.4	4578.9	6245.6	10576.0	20339.7	29052.0	29542.4	28135.2	22696.4	13027.8
62.5°	2417.8	2386.6	2366.2	2876.9	5145.4	13488.2	24956.7	25900.7	26237.6	21729.3	12800.9
65°	2125.8	2067.4	1843.3	1802.5	2272.5	6551.2	18793.9	19968.9	22182.9	20205.2	12260.3
67.5°	1996.7	1939.7	1687.0	1534.9	1536.3	2597.1	11668.1	12991.1	17280.7	17628.4	10984.8
70°	1863.6	1812.0	1575.7	1396.4	1308.1	1438.5	5368.1	6371.9	11264.7	13856.4	9181.0
72.5°	1692.5	1657.2	1433.0	1248.3	1154.6	1077.2	2055.2	2427.3	6521.4	9305.9	6376.0
75°	1513.2	1480.6	1289.1	1112.5	998.4	847.6	1157.3	1246.9	3313.0	4761.0	3139.1
77.5°	1316.2	1297.2	1146.4	983.4	892.4	702.3	819.1	862.5	1420.8	2041.6	1574.3
80°	1047.3	1083.9	1002.4	876.1	791.9	562.3	580.0	608.5	827.2	997.0	893.8
82.5°	681.9	745.7	785.1	711.8	652.0	442.8	417.0	429.2	539.3	608.5	388.5
85°	283.9	319.2	516.2	465.9	433.3	323.3	279.8	285.2	334.1	346.4	158.9
87.5°	126.3	134.5	226.8	213.3	183.4	111.4	119.5	130.4	177.9	168.4	61.1
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°	8766.7	8766.7	8766.7	8766.7	8766.7	8766.7	8766.7	8766.7	8766.7	8766.7	8766.7
2.5°	8774.8	8660.7	8465.1	8249.2	8072.6	7931.3	7788.7	7690.9	7576.8	7515.7	7484.4
5°	8781.6	8557.5	8145.9	7723.5	7345.9	7000.8	6672.1	6419.5	6183.1	6055.4	6020.1
7.5°	8810.1	8473.3	7807.7	7112.2	6441.2	5828.6	5355.9	5059.8	4846.5	4751.4	4724.3
10°	8833.2	8374.1	7389.3	6359.7	5446.9	4826.2	4459.4	4293.7	4220.3	4208.1	4195.9
12.5°	8887.6	8272.2	6949.2	5574.6	4674.0	4244.8	4117.1	4106.2	4126.6	4156.5	4156.5
15°	8973.1	8171.7	6446.6	4900.9	4182.3	4031.5	4057.3	4117.1	4172.8	4219.0	4225.8
17.5°	9035.6	8048.1	5906.0	4361.6	3920.1	3960.9	4053.3	4137.5	4194.5	4239.4	4243.4
20°	9080.5	7856.6	5328.7	3950.0	3769.4	3895.7	4011.2	4085.9	4125.3	4170.1	4176.9
22.5°	9057.4	7599.9	4816.6	3655.3	3647.1	3800.6	3910.6	4000.3	3970.4	3926.9	3955.5
25°	8946.0	7246.7	4289.6	3435.2	3518.1	3672.9	3808.8	3749.0	3648.5	3629.5	3640.3
27.5°	8747.7	6795.7	3802.0	3231.5	3368.7	3554.8	3546.6	3486.8	3451.5	3427.1	3442.0
30°	8534.4	6306.7	3375.5	3053.5	3202.9	3356.4	3325.2	3323.8	3288.5	3249.1	3268.1
32.5°	8323.9	5815.0	3037.2	2906.8	3078.0	3098.4	3166.3	3186.6	3117.4	3034.5	3029.1
35°	8140.5	5350.5	2780.5	2773.7	2927.2	2929.9	3029.1	3000.6	2828.0	2742.5	2742.5
37.5°	8003.3	4887.3	2584.9	2654.2	2728.9	2799.5	2849.8	2731.6	2703.1	2655.5	2654.2
40°	7943.5	4479.8	2462.7	2563.2	2589.0	2678.6	2549.6	2595.8	2609.4	2584.9	2584.9
42.5°	7881.0	4125.3	2356.7	2493.9	2489.8	2477.6	2412.4	2472.2	2526.5	2527.9	2523.8
45°	7818.6	3819.6	2263.0	2345.8	2402.9	2271.1	2283.4	2347.2	2423.3	2450.4	2450.4
47.5°	7749.3	3577.8	2177.4	2189.6	2277.9	2189.6	2180.1	2229.0	2318.7	2362.1	2371.6
50°	7597.2	3360.5	2079.6	2052.4	2076.9	2106.8	2114.9	2138.0	2237.2	2306.4	2322.7
52.5°	7386.6	3166.3	1954.6	1926.1	1926.1	2038.9	2076.9	2083.7	2167.9	2250.8	2267.1
55°	7211.4	3042.7	1825.6	1820.2	1814.7	1966.9	2032.1	2042.9	2101.3	2166.5	2174.7
57°	7223.6	3033.2	1726.4	1731.9	1730.5	1893.5	1990.0	2013.0	2042.9	2098.6	2108.1
57.5°	7230.4	3039.9	1704.7	1707.4	1706.1	1873.1	1977.7	2003.5	2026.6	2085.0	2094.5
60°	7332.3	3057.6	1616.4	1586.5	1593.3	1764.5	1908.5	1941.1	1956.0	2033.4	2045.6
62.5°	7181.5	2978.8	1545.8	1473.8	1473.8	1650.4	1812.0	1863.6	1886.7	1991.3	2011.7
65°	6744.1	2757.4	1462.9	1346.1	1359.7	1536.3	1696.6	1780.8	1816.1	1946.5	1968.2
67.5°	6069.0	2500.7	1374.6	1232.0	1245.6	1416.7	1577.0	1668.0	1723.7	1897.6	1915.2
70°	5190.2	2186.9	1255.1	1111.1	1127.4	1286.3	1435.8	1539.0	1621.8	1851.4	1856.8
72.5°	3826.4	1793.0	1088.0	978.0	995.7	1134.2	1293.1	1412.7	1524.0	1735.9	1733.2
75°	2275.2	1401.8	903.3	843.5	855.7	984.8	1164.1	1309.4	1476.5	1691.1	1716.9
77.5°	1380.1	1055.4	736.2	706.3	721.3	853.0	1071.7	1226.6	1456.1	1594.7	1586.5
80°	834.0	753.9	588.2	569.1	584.1	729.4	991.6	1164.1	1272.8	1362.4	1362.4
82.5°	436.0	460.5	431.9	417.0	437.4	592.2	901.9	1016.0	1124.7	965.8	901.9
85°	177.9	240.4	262.2	260.8	273.0	410.2	778.3	869.3	725.3	688.7	705.0
87.5°	59.8	101.9	127.7	110.0	115.5	258.1	539.3	419.7	498.5	347.7	330.1
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)