

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: P317480

Luminaire Tested: **GAN-SA6B-750-U-T2R**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317480  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6B-750-U-T2R  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35607 lumens  
Efficiency: N/A  
Efficacy: 143.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G4

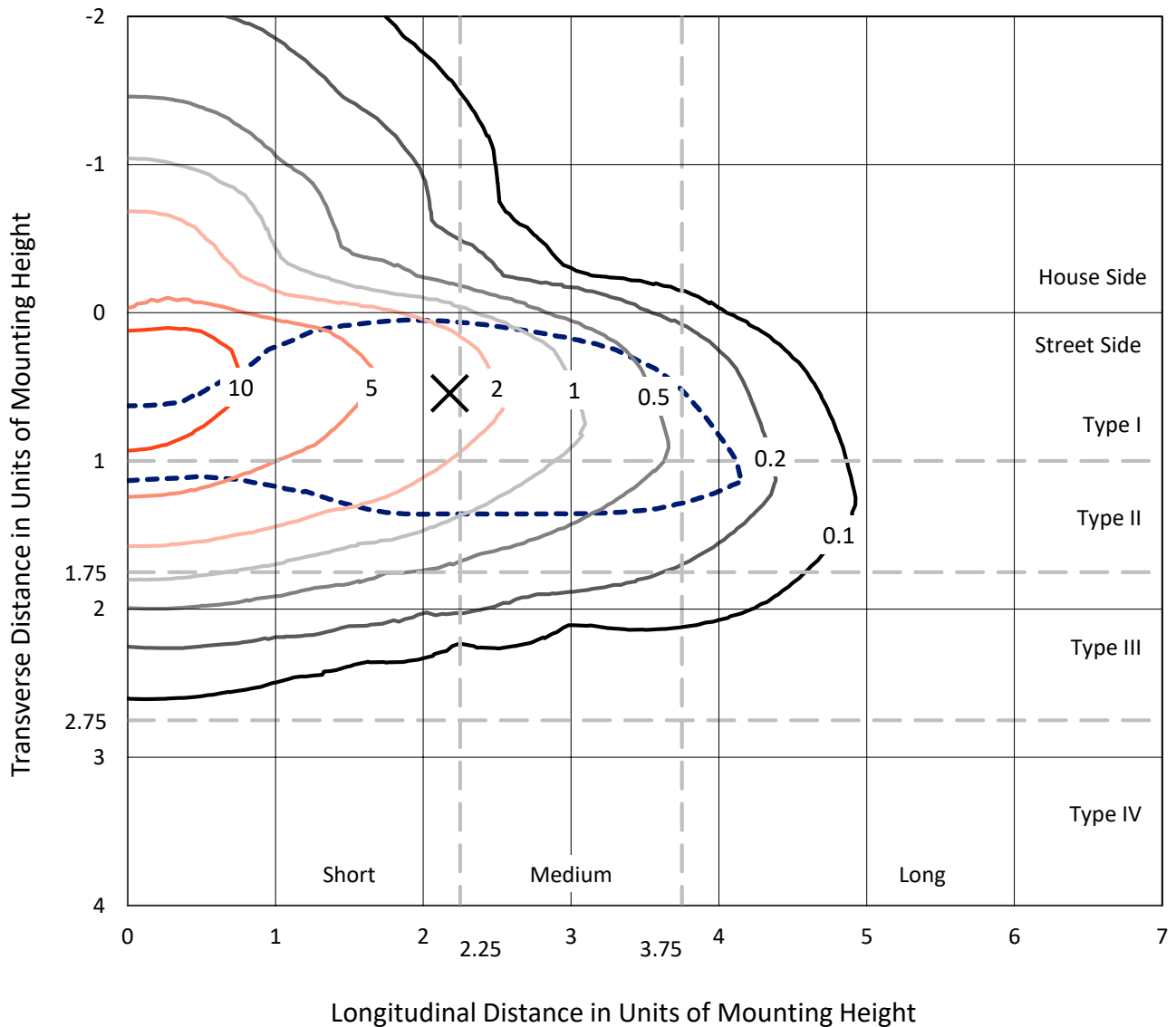
Input Watts (W): 249  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

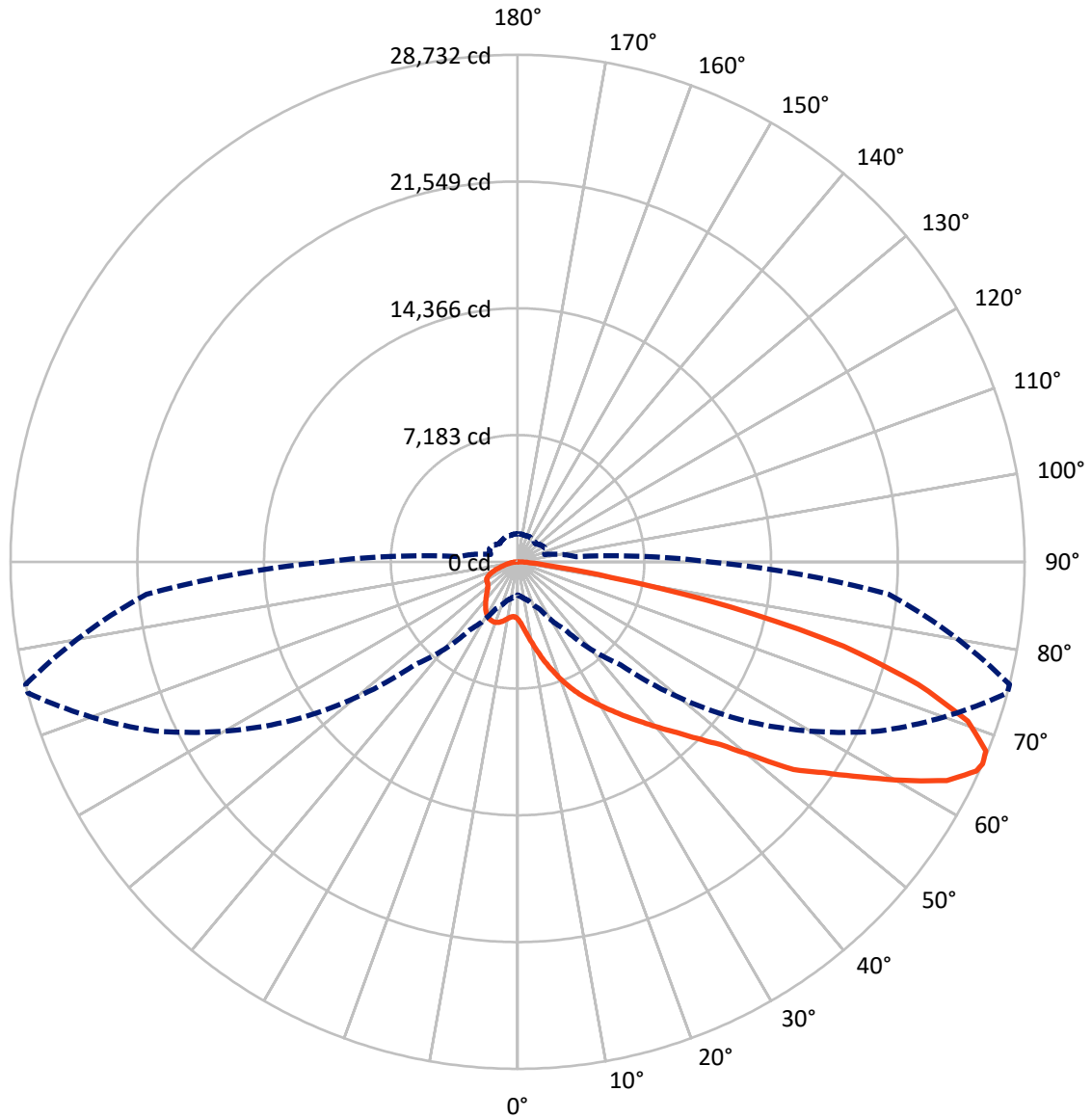
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5991.4	0.0	5991.4
	% Fixture	16.8	0.0	16.8
<b>Street Side</b>	Lumens	29615.6	0.0	29615.6
	% Fixture	83.2	0.0	83.2
<b>Total</b>	Lumens	35607.0	0.0	35607.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	393.2	1.1
10°-20°	1552.8	4.4
20°-30°	3017.5	8.5
30°-40°	4925.2	13.8
40°-50°	6729.0	18.9
50°-60°	7837.9	22.0
60°-70°	7026.9	19.7
70°-80°	3551.1	10.0
80°-90°	573.4	1.6
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°	35607.0	100.0
0°-180°	35607.0	100.0

**Coefficient of Utilization**

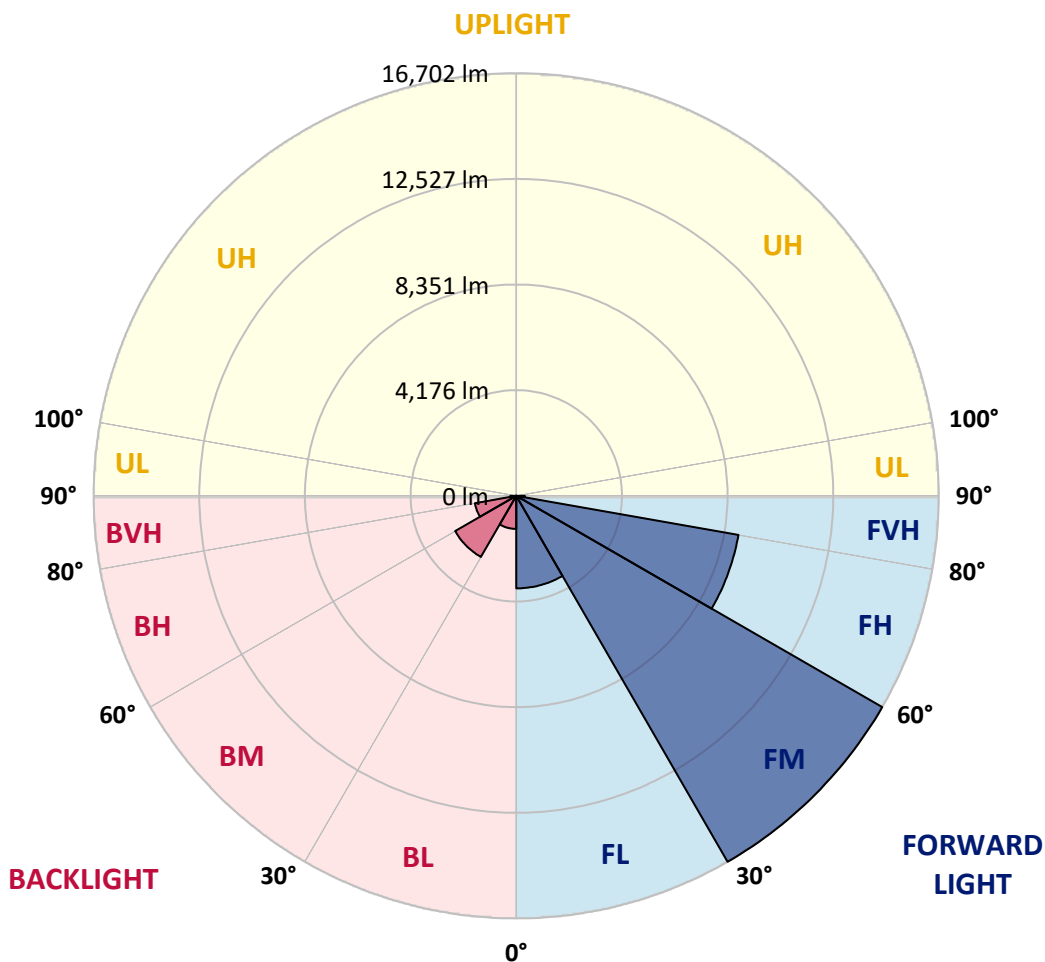


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3656.7	10.3			
FM (30°-60°)	16702.1	46.9			
FH (60°-80°)	8918.0	25.0			G4/12000
FVH (80°-90°)	338.7	1.0			G3/500
BL (0°-30°)	1306.8	3.7	B3/2500		
BM (30°-60°)	2790.0	7.8	B3/5000		
BH (60°-80°)	1659.9	4.7	B3/2500		G3/2500
BVH (80°-90°)	234.8	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-G4**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3251.7	3251.7	3251.7	3251.7	3251.7	3251.7	3251.7	3251.7	3251.7	3251.7	3251.7
2.5°	4316.7	4251.4	4245.4	4149.9	4128.1	3945.6	3811.4	3671.2	3511.6	3480.2	3354.5
5°	5544.9	5538.8	5455.4	5299.5	5177.4	4865.5	4557.2	4230.9	3873.1	3815.0	3532.2
7.5°	6649.7	6640.0	6576.0	6407.9	6231.5	5848.3	5408.3	4907.8	4327.6	4241.7	3772.7
10°	7488.6	7485.0	7463.2	7339.9	7190.1	6822.6	6336.6	5653.6	4855.8	4738.6	4073.7
12.5°	8136.6	8143.8	8158.3	8114.8	8043.5	7730.4	7232.4	6444.2	5419.1	5303.1	4408.6
15°	8575.4	8597.1	8672.1	8733.7	8771.2	8579.0	8096.7	7252.9	6050.1	5911.1	4779.7
17.5°	8796.6	8820.7	8950.1	9136.3	9307.9	9288.6	8905.4	8024.1	6655.8	6521.6	5178.6
20°	8987.6	9005.7	9150.8	9374.4	9677.8	9812.0	9596.8	8766.4	7319.4	7159.8	5601.7
22.5°	9541.2	9564.2	9607.7	9734.6	10003.0	10249.6	10145.6	9468.7	7927.4	7778.7	6003.0
25°	10609.8	10637.6	10543.3	10435.7	10486.5	10658.2	10677.5	10109.4	8543.9	8375.9	6434.5
27.5°	11897.2	11937.1	11776.3	11499.5	11257.7	11191.2	11168.3	10634.0	9132.6	8938.0	6861.3
30°	13158.0	13226.9	13017.8	12658.7	12215.1	11903.2	11672.4	11147.7	9712.9	9526.7	7263.8
32.5°	14389.8	14362.0	14058.6	13708.0	13188.2	12797.8	12239.3	11698.9	10365.6	10151.7	7663.9
35°	15233.5	15243.2	14961.5	14545.7	14050.1	13750.3	12998.4	12293.7	11031.7	10834.6	8118.4
37.5°	15951.6	15906.8	15587.7	15199.7	14773.0	14644.8	13886.9	12948.9	11753.3	11538.2	8602.0
40°	16190.9	16138.9	15929.8	15650.6	15308.5	15297.6	14867.3	13691.1	12569.3	12356.5	9147.1
42.5°	16045.9	15979.4	15893.5	15817.4	15712.2	15760.6	15788.4	14561.4	13466.2	13228.1	9778.1
45°	15510.4	15410.0	15470.5	15636.1	15864.5	16137.7	16620.0	15524.9	14470.8	14271.3	10519.1
47.5°	14687.1	14596.5	14785.1	15139.2	15760.6	16452.0	17407.0	16588.6	15669.9	15471.7	11574.4
50°	13529.1	13555.7	13825.3	14469.6	15408.8	16597.1	18376.5	17996.9	17413.0	17228.1	13014.1
52.5°	11628.8	11633.7	12392.8	13450.5	14785.1	16522.1	18914.4	19796.8	19793.2	19569.6	14384.9
55°	9864.0	9971.5	10572.3	11978.2	13774.5	16222.3	19290.3	20672.0	21356.2	21093.9	15662.7
57.5°	8140.2	8203.0	8772.4	10184.3	12332.4	15423.3	19675.9	21722.5	23157.3	22991.7	17251.1
60°	6179.5	6276.2	6864.9	8169.2	10487.7	14005.4	19712.2	22818.9	25310.2	25143.4	19024.4
62.5°	4010.9	4177.7	4728.9	5951.0	8256.2	11966.1	18870.9	23535.7	27350.7	27291.5	20598.3
65°	2305.2	2430.9	2814.1	3757.0	5696.0	9405.8	16870.3	23260.1	28606.7	28572.8	21187.0
66°	1883.3	1961.9	2255.7	2936.2	4699.9	8259.9	15707.4	22678.6	28731.2	28732.4	21119.3
67.5°	1506.2	1541.2	1673.0	2102.1	3468.1	6547.0	13629.4	21396.1	28576.5	28618.8	20682.9
70°	1246.3	1264.4	1305.5	1409.5	1893.0	3948.0	9674.2	18063.4	27023.1	27055.8	18979.7
72.5°	1118.2	1129.0	1144.8	1159.3	1335.7	2206.1	5908.7	14450.2	23692.8	23735.2	16384.3
75°	1013.0	1019.0	1016.6	1017.8	1120.6	1405.9	3053.5	10788.7	19157.4	19072.7	12551.2
77.5°	889.7	895.7	883.6	886.1	991.2	1080.7	1519.5	7552.7	12928.3	12331.2	7071.6
80°	751.9	756.7	751.9	760.3	863.1	816.0	883.6	4249.0	5716.5	5407.0	2514.3
82.5°	568.1	588.7	603.2	637.0	710.8	580.2	591.1	1654.9	1740.7	1657.3	771.2
85°	249.0	303.4	454.5	487.2	534.3	348.1	388.0	674.5	708.4	686.6	280.4
87.5°	65.3	71.3	224.8	282.9	296.2	157.1	201.9	307.0	324.0	307.0	93.1
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°	3251.7	3251.7	3251.7	3251.7	3251.7	3251.7	3251.7	3251.7	3251.7	3251.7	3251.7
2.5°	3288.0	3228.8	3122.4	3028.1	2956.8	2908.4	2860.1	2835.9	2821.4	2806.9	2809.3
5°	3393.2	3273.5	3090.9	2961.6	2889.1	2843.1	2819.0	2809.3	2803.3	2788.7	2788.7
7.5°	3551.5	3382.3	3130.8	2997.9	2941.1	2906.0	2891.5	2886.7	2879.4	2862.5	2864.9
10°	3751.0	3514.0	3214.2	3084.9	3032.9	2994.2	2973.7	2966.4	2953.1	2933.8	2936.2
12.5°	3985.5	3677.2	3324.3	3188.9	3126.0	3074.0	3040.2	3019.6	2996.7	2971.3	2972.5
15°	4241.7	3854.9	3442.7	3281.9	3196.1	3123.6	3069.2	3034.1	2997.9	2966.4	2965.2
17.5°	4501.6	4026.6	3533.4	3332.7	3216.7	3121.2	3047.4	2993.0	2948.3	2909.6	2906.0
20°	4782.1	4181.3	3584.1	3327.9	3178.0	3064.4	2966.4	2898.7	2849.2	2810.5	2804.5
22.5°	5067.4	4326.4	3592.6	3278.3	3092.2	2953.1	2850.4	2775.4	2724.7	2684.8	2670.3
25°	5328.5	4438.8	3557.6	3182.8	2972.5	2822.6	2722.3	2646.1	2605.0	2557.9	2543.4
27.5°	5566.6	4517.4	3487.4	3060.7	2838.3	2690.8	2596.5	2531.3	2486.5	2450.3	2438.2
30°	5780.6	4559.7	3372.6	2915.7	2700.5	2566.3	2486.5	2441.8	2403.1	2357.2	2348.7
32.5°	5983.7	4559.7	3225.1	2757.3	2563.9	2456.3	2409.2	2381.4	2337.9	2293.1	2281.0
35°	6186.7	4531.9	3051.1	2591.7	2438.2	2377.7	2375.3	2342.7	2276.2	2215.8	2200.0
37.5°	6400.7	4475.0	2855.2	2437.0	2335.4	2342.7	2363.2	2290.7	2196.4	2110.6	2087.6
40°	6642.5	4396.5	2652.1	2302.8	2249.6	2327.0	2330.6	2215.8	2032.0	1953.5	1932.9
42.5°	6926.5	4317.9	2463.6	2184.3	2181.9	2279.8	2269.0	2053.8	1943.8	1903.9	1893.0
45°	7300.1	4273.2	2284.7	2071.9	2128.7	2203.7	2163.8	1964.3	1918.4	1895.4	1885.8
47.5°	7888.8	4296.1	2120.3	1982.5	2075.5	2127.5	1968.0	1928.1	1895.4	1867.6	1858.0
50°	8626.1	4282.8	1987.3	1920.8	2015.1	2047.7	1879.7	1880.9	1864.0	1832.6	1818.1
52.5°	9181.0	4178.9	1901.5	1885.8	1961.9	1906.3	1824.1	1835.0	1826.5	1780.6	1764.9
55°	9716.5	4089.4	1858.0	1872.5	1923.2	1729.8	1758.8	1785.4	1777.0	1732.2	1725.0
57.5°	10382.5	4072.5	1831.4	1876.1	1890.6	1641.6	1696.0	1731.0	1725.0	1705.6	1702.0
60°	11198.5	4077.3	1807.2	1882.1	1854.3	1576.3	1636.7	1681.5	1685.1	1681.5	1679.0
62.5°	11647.0	3945.6	1746.7	1865.2	1790.3	1519.5	1575.1	1640.4	1641.6	1648.8	1647.6
65°	11266.2	3551.5	1634.3	1806.0	1682.7	1472.3	1521.9	1593.2	1575.1	1607.7	1607.7
66°	10896.3	3324.3	1578.7	1767.3	1636.7	1454.2	1505.0	1569.0	1546.1	1590.8	1590.8
67.5°	10140.8	2941.1	1478.4	1685.1	1571.5	1428.8	1485.6	1529.2	1497.7	1564.2	1559.4
70°	8760.3	2275.0	1276.5	1498.9	1463.9	1391.4	1459.0	1449.4	1403.4	1505.0	1485.6
72.5°	7385.9	1728.6	1025.1	1254.8	1300.7	1344.2	1421.6	1347.8	1289.8	1361.1	1318.8
75°	5731.0	1299.5	809.9	975.5	1098.8	1270.5	1376.8	1230.6	1147.2	1139.9	1116.9
77.5°	3098.2	892.1	641.9	744.6	872.8	1178.6	1346.6	1104.9	979.1	950.1	932.0
80°	1227.0	580.2	466.6	564.5	610.5	1045.6	1274.1	958.6	807.5	778.5	750.7
82.5°	506.5	343.3	301.0	378.4	397.7	894.5	1143.5	785.7	623.8	863.1	916.3
85°	217.6	188.6	178.9	195.8	224.8	627.4	910.2	599.6	673.3	600.8	477.5
87.5°	65.3	79.8	76.2	74.9	82.2	149.9	484.7	333.6	494.4	187.4	140.2
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)