

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: P317730

Luminaire Tested: **GAN-SA6C-730-U-T3R**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317730  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6C-730-U-T3R  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 39389 lumens  
Efficiency: N/A  
Efficacy: 118.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5

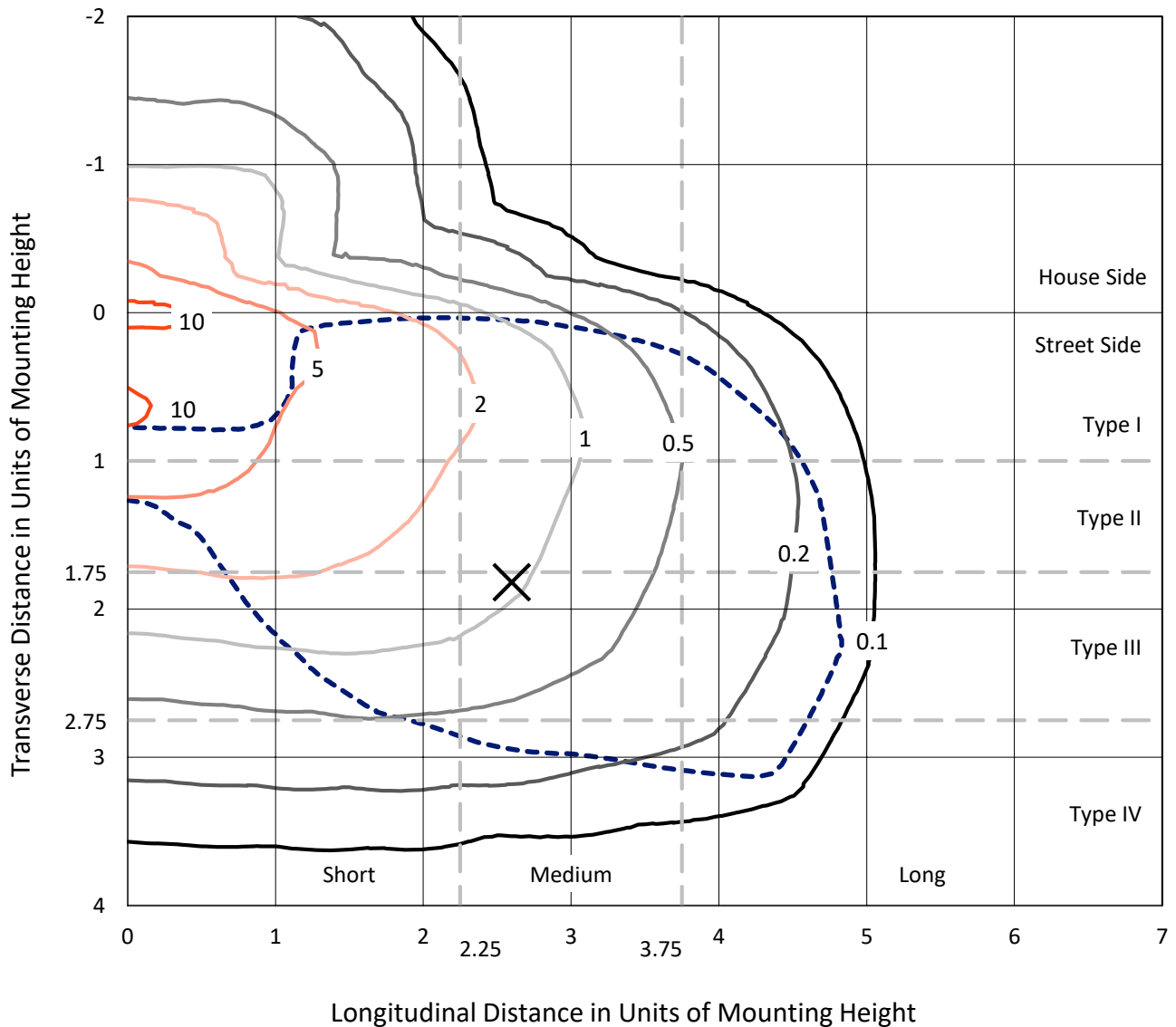
Input Watts (W): 333  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

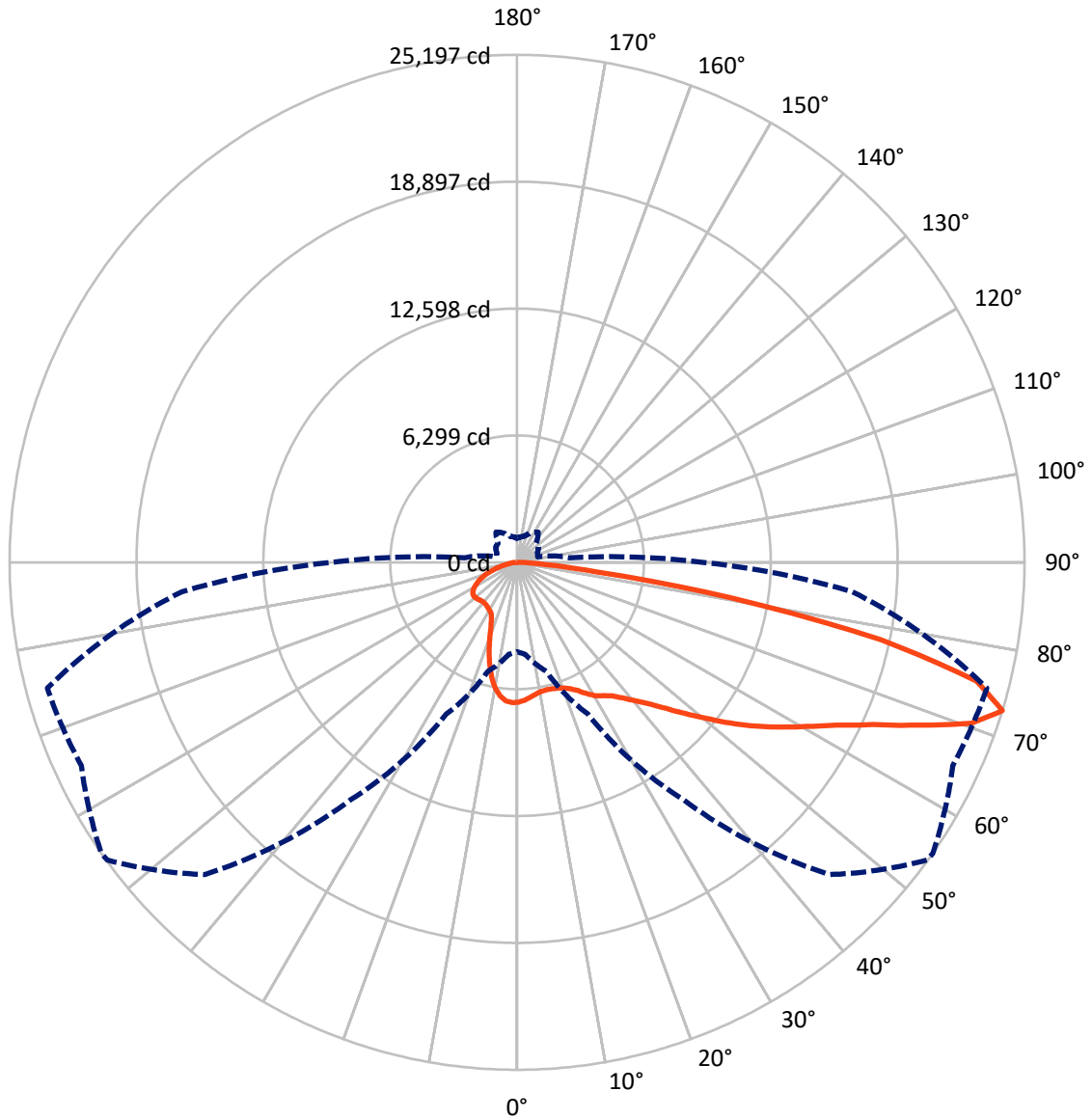
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7321.1	0.0	7321.1
	% Fixture	18.6	0.0	18.6
<b>Street Side</b>	Lumens	32067.9	0.0	32067.9
	% Fixture	81.4	0.0	81.4
<b>Total</b>	Lumens	39389.0	0.0	39389.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	628.7	1.6
10°-20°	1673.7	4.2
20°-30°	2759.5	7.0
30°-40°	4082.0	10.4
40°-50°	5697.7	14.5
50°-60°	7418.6	18.8
60°-70°	9117.2	23.1
70°-80°	7146.8	18.1
80°-90°	864.9	2.2
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°	39389.0	100.0
0°-180°	39389.0	100.0

**Coefficient of Utilization**

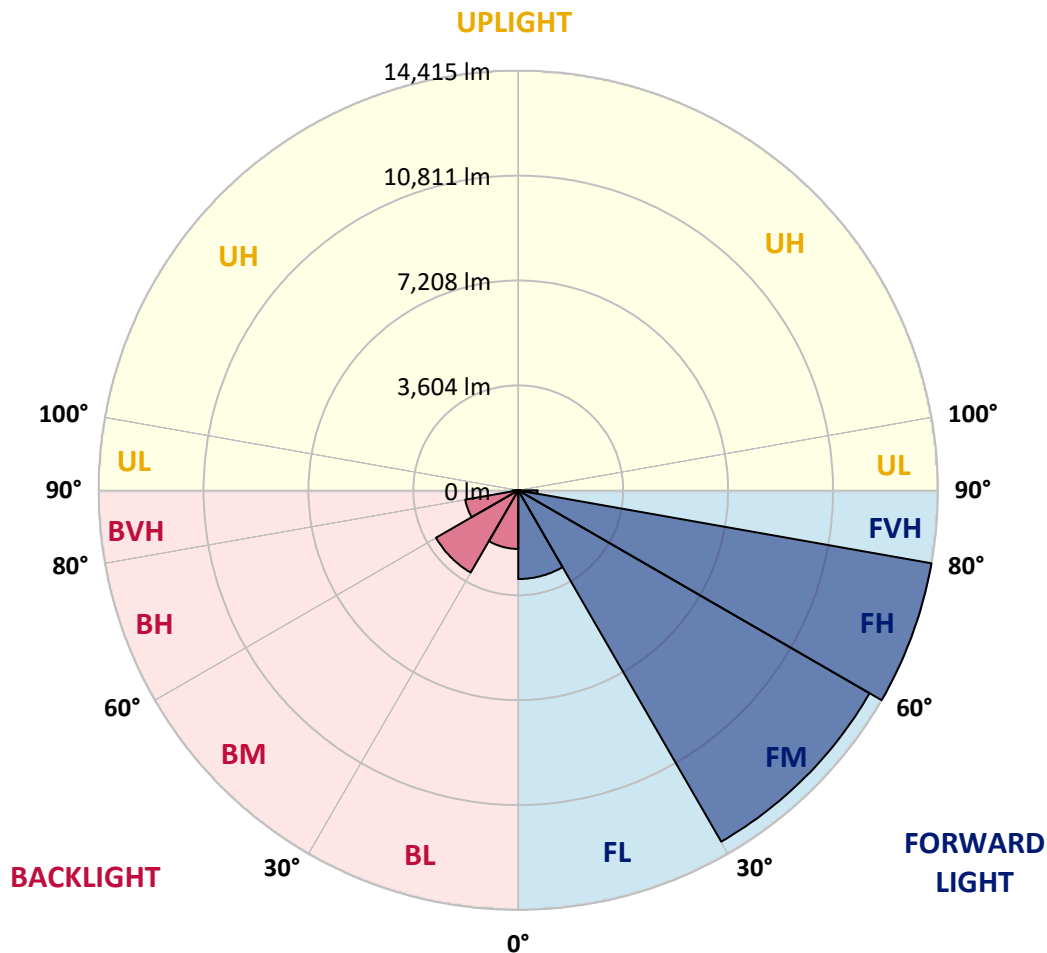


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3047.6	7.7			
FM (30°-60°)	13936.6	35.4			
FH (60°-80°)	14415.0	36.6			G5
FVH (80°-90°)	668.7	1.7			G4/750
BL (0°-30°)	2014.3	5.1	B3/2500		
BM (30°-60°)	3261.7	8.3	B3/5000		
BH (60°-80°)	1848.9	4.7	B3/2500		G3/2500
BVH (80°-90°)	196.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	6947.4	6947.4	6947.4	6947.4	6947.4	6947.4	6947.4	6947.4	6947.4	6947.4	6947.4
2.5°	6721.2	6705.2	6725.2	6753.1	6783.7	6825.0	6848.9	6859.6	6900.8	6916.8	6951.4
5°	6409.9	6401.9	6435.2	6483.1	6550.9	6646.7	6723.9	6738.5	6847.6	6924.8	6995.3
7.5°	6183.7	6183.7	6222.3	6279.5	6355.3	6484.4	6593.5	6613.4	6798.4	6964.7	7095.0
10°	6004.1	6010.8	6056.0	6123.9	6213.0	6350.0	6495.0	6517.7	6785.1	7057.8	7265.3
12.5°	5884.4	5900.3	5941.6	6002.8	6113.2	6279.5	6463.1	6493.7	6813.0	7190.8	7470.2
15°	5960.2	5986.8	5990.8	6016.1	6077.3	6258.2	6481.7	6513.7	6872.9	7326.5	7703.0
17.5°	6292.8	6302.1	6260.9	6207.7	6178.4	6294.1	6537.6	6570.9	6944.7	7460.9	7926.5
20°	6798.4	6793.0	6703.9	6560.2	6411.2	6429.8	6629.4	6664.0	7041.8	7579.3	8150.1
22.5°	7437.0	7418.3	7281.3	7016.6	6762.4	6656.0	6790.4	6819.7	7188.2	7748.3	8389.5
25°	8211.3	8170.0	7989.1	7633.9	7260.0	6986.0	7032.5	7060.5	7401.0	7937.2	8609.0
27.5°	9028.1	8986.9	8756.7	8327.0	7829.4	7402.4	7366.4	7390.4	7643.2	8076.9	8771.4
30°	9882.2	9838.3	9628.1	9146.5	8433.4	7833.4	7677.8	7687.1	7813.5	8152.7	8904.4
32.5°	10740.4	10699.1	10463.6	9904.9	9089.3	8296.4	7902.6	7890.6	7915.9	8231.2	9054.7
35°	11610.4	11626.4	11351.0	10732.4	9815.7	8811.3	8168.7	8143.4	8087.5	8392.2	9267.6
37.5°	12541.7	12531.1	12174.5	11528.0	10575.4	9370.0	8550.5	8546.5	8353.6	8696.9	9601.5
40°	13164.4	13171.0	12954.1	12342.2	11343.0	9988.7	9040.1	9030.8	8778.0	9153.2	10039.2
42.5°	13407.8	13451.7	13507.6	13119.1	12146.6	10705.8	9624.1	9610.8	9370.0	9807.7	10554.1
45°	13425.1	13512.9	13858.8	13809.6	12960.8	11526.6	10370.5	10333.3	10160.3	10677.8	11168.7
47.5°	13276.1	13366.6	13941.3	14220.7	13688.5	12392.7	11243.2	11214.0	11065.0	11766.1	11833.9
50°	12950.2	13036.6	13771.0	14421.6	14287.2	13225.6	12249.0	12171.9	12092.0	13023.3	12594.9
52.5°	12339.5	12505.8	13543.5	14469.5	14645.1	13965.3	13306.7	13256.2	13300.1	14349.7	13357.3
55°	10893.4	11079.6	12956.8	14429.6	14909.8	14586.6	14364.4	14361.7	14589.2	15741.3	14175.5
57.5°	10083.1	10214.8	11762.1	14361.7	15223.8	15203.9	15411.4	15436.7	15879.7	17256.7	15032.2
60°	9625.5	9763.8	11156.8	14110.3	15710.7	16002.1	16479.7	16530.3	17191.5	18934.3	16063.3
62.5°	9209.1	9360.7	10781.6	13598.1	16284.2	17143.6	17759.6	17804.8	18580.4	20658.5	17059.8
65°	8497.3	8668.9	10232.1	13261.5	16805.7	18632.3	19386.7	19417.3	20175.6	22465.2	17822.1
67.5°	7491.5	7648.5	9195.8	12517.8	17191.5	20440.3	21549.9	21567.2	21757.4	23741.1	18211.9
70°	6316.8	6376.6	7719.0	10982.5	16735.2	22131.3	23920.7	23924.7	23199.6	24557.9	18148.0
72.5°	4438.2	4579.3	5603.7	8313.7	14381.7	21925.1	25151.3	25196.5	23870.1	24145.5	16697.9
75°	2722.0	2871.0	3514.9	5038.2	9123.9	17243.4	23238.2	23552.2	22612.9	21528.6	13640.6
77.5°	1820.0	1875.9	2293.6	2937.5	4133.6	9920.8	17866.0	18456.7	18785.3	15700.1	8723.5
80°	1015.1	1121.5	1520.7	1825.3	1838.6	3942.0	10712.4	10850.8	10451.7	6251.6	2691.4
82.5°	537.5	596.0	1015.1	1072.3	1003.1	1319.8	3992.5	3996.5	3339.3	1676.3	799.6
85°	416.4	465.6	695.8	654.6	512.2	585.4	1317.1	1388.9	1136.2	686.5	260.8
87.5°	207.5	258.1	472.3	415.1	200.9	167.6	471.0	502.9	448.3	268.7	94.5
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°	6947.4	6947.4	6947.4	6947.4	6947.4	6947.4	6947.4	6947.4	6947.4	6947.4	6947.4
2.5°	6964.7	6976.6	6991.3	6975.3	6970.0	6948.7	6912.8	6904.8	6886.2	6887.5	6898.1
5°	7025.9	7045.8	7037.8	6976.6	6903.5	6801.0	6694.6	6604.1	6544.3	6540.3	6536.3
7.5°	7142.9	7156.2	7093.7	6919.4	6714.6	6477.7	6254.2	6058.7	5940.3	5911.0	5904.3
10°	7326.5	7323.9	7152.3	6801.0	6392.6	5969.5	5610.3	5338.9	5180.6	5134.0	5122.1
12.5°	7531.4	7500.8	7172.2	6585.5	5937.6	5350.9	4895.9	4593.9	4428.9	4375.7	4362.4
15°	7743.0	7667.1	7123.0	6263.5	5378.8	4684.4	4206.7	3927.4	3838.2	3808.9	3803.6
17.5°	7939.9	7793.5	6982.0	5827.2	4741.6	4020.5	3648.0	3536.2	3557.5	3596.1	3597.4
20°	8132.8	7878.7	6755.8	5276.4	4069.7	3473.7	3347.3	3429.8	3530.9	3609.4	3620.0
22.5°	8323.0	7938.5	6464.4	4640.5	3468.4	3166.4	3255.5	3405.8	3521.6	3606.7	3621.4
25°	8482.7	7953.2	6062.7	3961.9	3050.6	3050.6	3211.6	3353.9	3468.4	3552.2	3566.8
27.5°	8541.2	7854.7	5495.9	3334.0	2840.4	2997.4	3150.4	3268.8	3365.9	3455.1	3471.0
30°	8563.8	7672.4	4841.3	2829.8	2753.9	2940.2	3067.9	3169.0	3260.8	3344.6	3359.3
32.5°	8567.8	7452.9	4146.9	2543.7	2694.1	2880.3	2965.5	3054.6	3153.1	3186.3	3191.6
35°	8593.1	7193.5	3415.1	2397.4	2638.2	2824.4	2892.3	2956.2	2796.5	2808.5	2819.1
37.5°	8666.3	6936.7	2803.2	2314.9	2602.3	2795.2	2876.3	2644.8	2519.8	2490.5	2486.5
40°	8803.3	6662.7	2349.5	2248.4	2589.0	2809.8	2773.9	2469.2	2253.7	2092.7	2068.8
42.5°	8993.5	6367.3	2059.5	2204.5	2598.3	2880.3	2631.5	2300.3	1942.4	1838.6	1825.3
45°	9207.7	6057.3	1902.5	2173.9	2630.2	2934.9	2602.3	2075.4	1797.4	1718.9	1712.2
47.5°	9415.3	5678.2	1821.3	2160.6	2674.1	2891.0	2478.5	2006.2	1728.2	1687.0	1690.9
50°	9653.4	5336.3	1772.1	2145.9	2712.7	2863.0	2338.9	1970.3	1701.6	1752.1	1805.4
52.5°	9854.3	4982.4	1728.2	2116.7	2727.3	2813.8	2302.9	1977.0	1701.6	1798.7	1849.3
55°	10092.4	4715.0	1677.6	2055.5	2699.4	2674.1	2277.7	2016.9	1721.5	1660.3	1665.7
57.5°	10399.8	4627.1	1621.8	1959.7	2606.3	2470.6	2265.7	2055.5	1709.6	1671.0	1684.3
60°	10825.5	4720.3	1599.1	1834.6	2461.2	2310.9	2267.0	2035.5	1625.8	1559.2	1560.6
62.5°	11231.3	4824.0	1597.8	1756.1	2283.0	2168.6	2236.4	1970.3	1583.2	1544.6	1559.2
65°	11364.3	4718.9	1534.0	1668.3	2082.1	1998.3	2180.5	1901.1	1551.3	1492.7	1490.1
67.5°	11186.0	4393.0	1404.9	1526.0	1851.9	1800.0	2107.4	1818.7	1500.7	1452.8	1444.8
70°	10656.5	3665.3	1245.3	1338.4	1589.8	1576.5	1991.6	1722.9	1432.8	1391.6	1357.0
72.5°	9231.7	2611.6	1049.7	1113.5	1294.5	1337.1	1832.0	1597.8	1337.1	1247.9	1194.7
75°	7582.0	1933.1	862.1	875.4	983.2	1098.9	1612.5	1451.5	1224.0	1072.3	1031.1
77.5°	4643.1	1182.7	686.5	691.8	705.1	876.7	1327.7	1287.8	1080.3	894.0	864.8
80°	1503.4	645.2	496.2	521.5	481.6	642.6	1027.1	1096.3	927.3	747.7	715.8
82.5°	572.1	376.5	335.3	352.6	333.9	431.1	749.0	878.1	759.7	614.6	500.2
85°	276.7	212.9	198.2	222.2	206.2	220.8	478.9	646.6	576.1	400.5	372.5
87.5°	98.4	94.5	75.8	102.4	87.8	78.5	146.3	325.9	380.5	275.4	246.1
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)