

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: P323802

Luminaire Tested: **GAN-SA8B-730-U-SL4-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323802  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA8B-730-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33852 lumens  
Efficiency: N/A  
Efficacy: 101.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

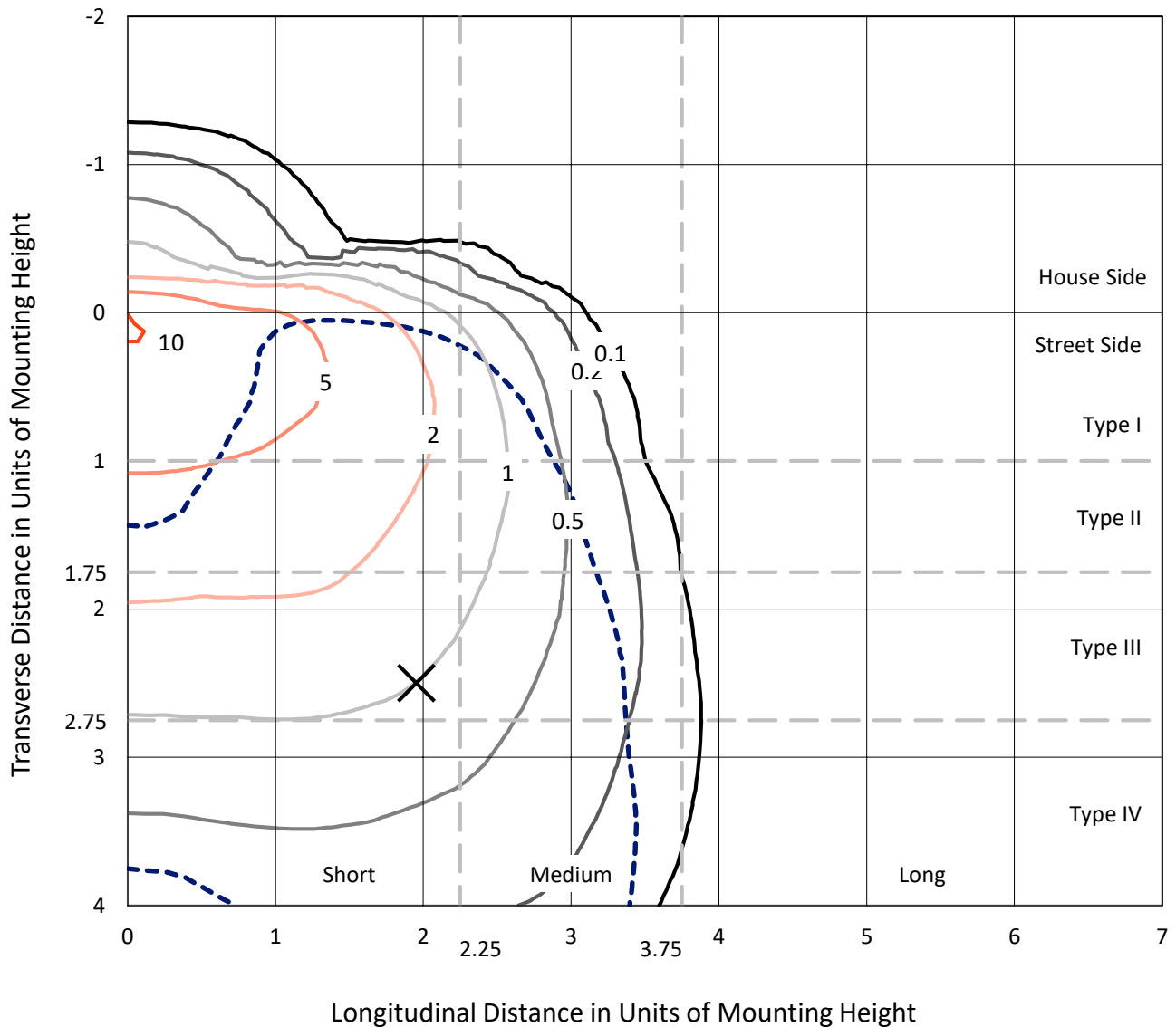
Input Watts (W): 334  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

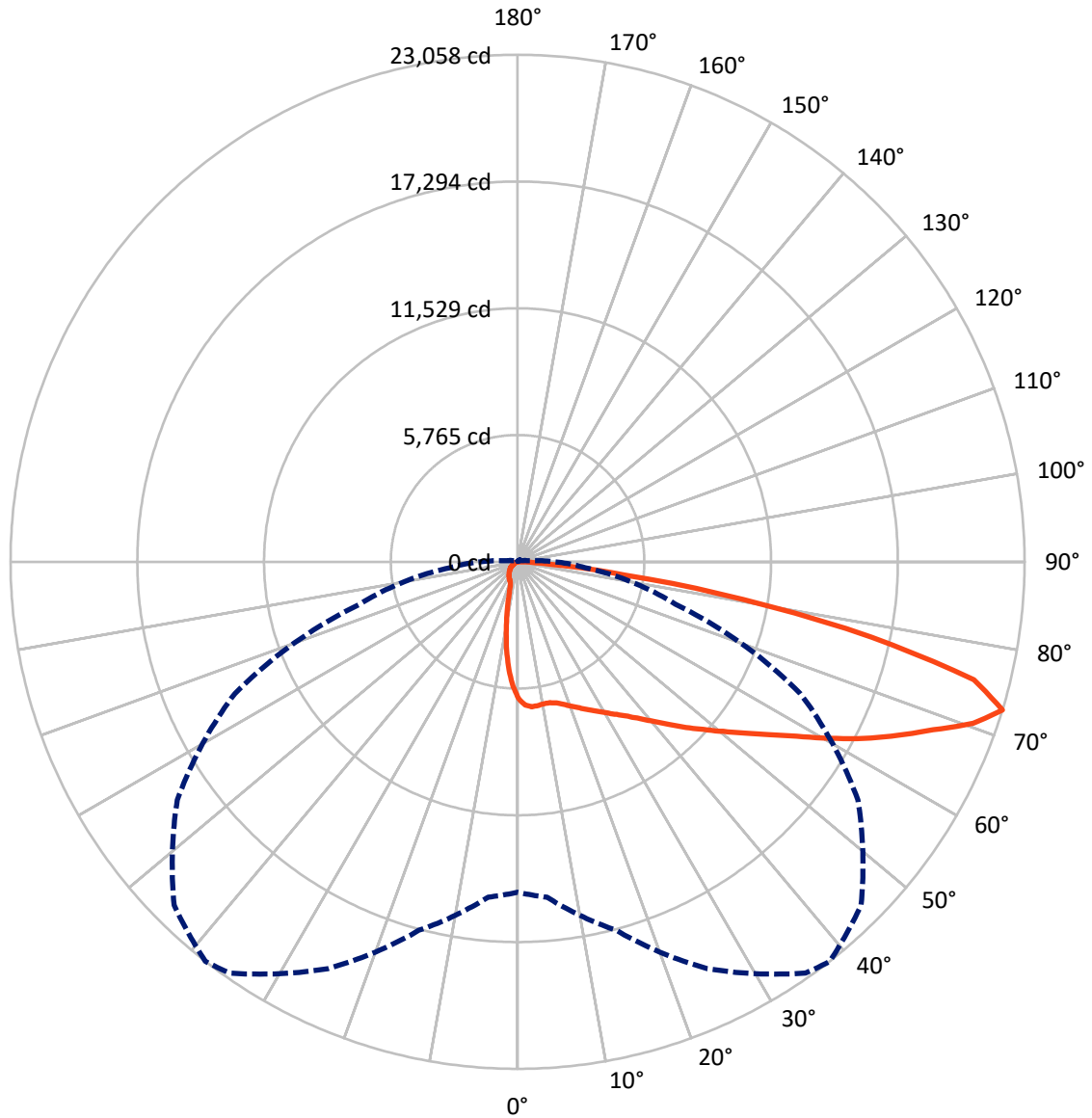
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2848.8	0.0	2848.8
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	31003.2	0.0	31003.2
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	33852.0	0.0	33852.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	530.5	1.6
10°-20°	1297.2	3.8
20°-30°	2063.2	6.1
30°-40°	3101.8	9.2
40°-50°	4732.0	14.0
50°-60°	6687.9	19.8
60°-70°	8388.9	24.8
70°-80°	6272.6	18.5
80°-90°	777.8	2.3
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°	33852.0	100.0
0°-180°	33852.0	100.0

**Coefficient of Utilization**

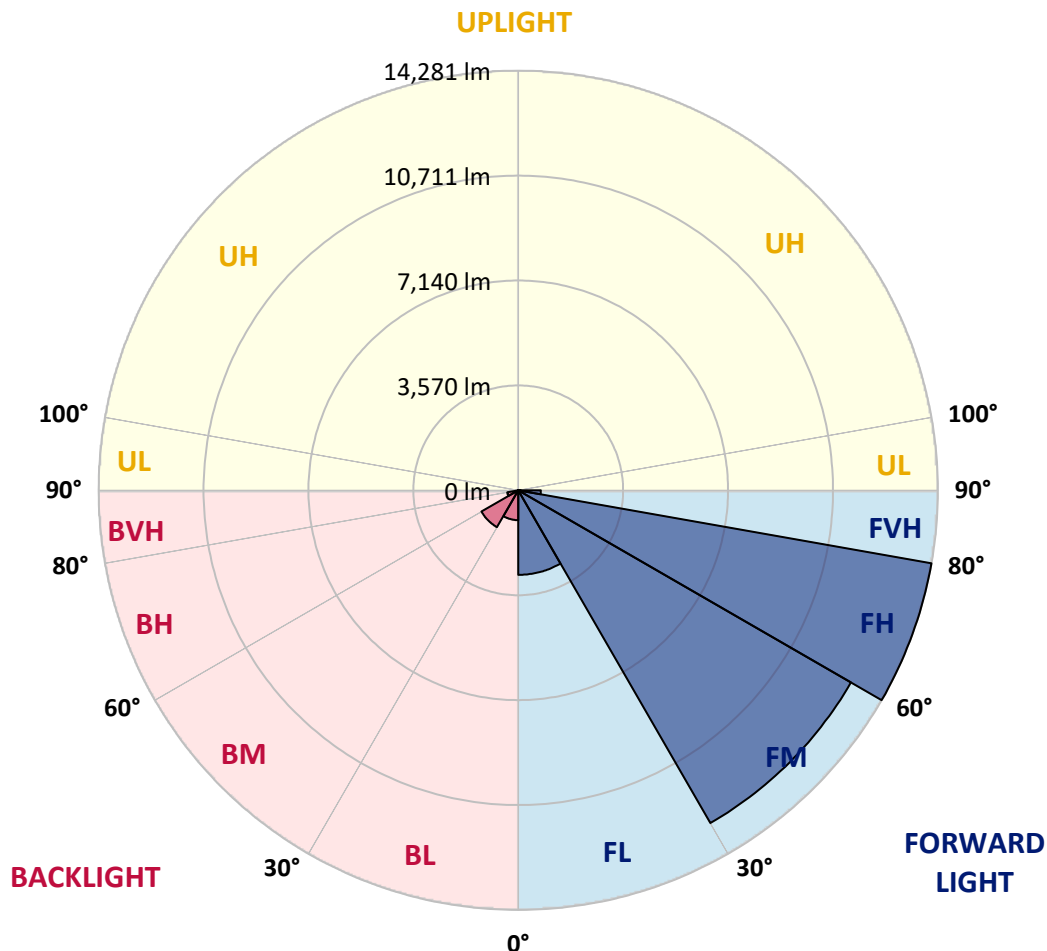


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2876.6	8.5			
FM (30°-60°)	13075.1	38.6			
FH (60°-80°)	14281.0	42.2			G5
FVH (80°-90°)	770.5	2.3			G5
BL (0°-30°)	1014.3	3.0	B3/2500		
BM (30°-60°)	1446.6	4.3	B2/2500		
BH (60°-80°)	380.5	1.1	B1/500		G1/500
BVH (80°-90°)	7.3	0.0			G0/10
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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	6225.3	6225.3	6225.3	6225.3	6225.3	6225.3	6225.3	6225.3	6225.3	6225.3	6225.3
2.5°	6607.7	6609.1	6593.6	6568.3	6536.0	6519.1	6491.0	6446.0	6398.2	6312.4	6219.6
5°	6742.6	6742.6	6723.0	6689.2	6637.2	6621.7	6568.3	6496.6	6398.2	6259.0	6103.0
7.5°	6728.6	6731.4	6704.7	6669.5	6617.5	6603.5	6538.8	6458.6	6336.3	6167.6	5968.0
10°	6655.5	6662.5	6641.4	6624.5	6576.7	6561.3	6500.8	6420.7	6298.4	6118.4	5889.3
12.5°	6581.0	6588.0	6595.0	6610.5	6581.0	6575.3	6527.5	6460.1	6343.4	6156.4	5897.7
15°	6533.2	6547.2	6597.8	6658.3	6665.3	6659.7	6628.8	6565.5	6447.4	6253.4	5958.2
17.5°	6533.2	6555.7	6661.1	6776.4	6817.1	6821.4	6794.7	6706.1	6565.5	6357.4	6014.4
20°	6588.0	6618.9	6783.4	6946.5	7014.0	7014.0	6962.0	6838.2	6673.7	6451.6	6052.3
22.5°	6728.6	6769.3	6976.0	7164.4	7236.1	7220.6	7150.3	6970.4	6786.2	6558.5	6100.1
25°	7005.5	7036.5	7251.6	7441.4	7484.9	7449.8	7361.2	7130.7	6929.6	6703.3	6187.3
27.5°	7362.6	7366.9	7589.0	7749.3	7722.5	7698.6	7587.6	7331.7	7136.3	6909.9	6337.7
30°	7754.9	7754.9	7950.3	8072.6	7991.1	7971.4	7860.3	7574.9	7400.6	7191.1	6551.4
32.5°	8134.5	8151.3	8310.2	8387.5	8296.1	8276.5	8168.2	7882.8	7752.1	7619.9	6884.6
35°	8501.4	8514.1	8664.5	8706.7	8619.5	8625.1	8547.8	8306.0	8256.8	8239.9	7386.5
37.5°	8857.1	8859.9	9013.1	9039.9	8996.3	9044.1	9051.1	8837.4	8928.8	9065.2	8093.7
40°	9181.9	9184.7	9336.5	9405.4	9479.9	9541.8	9596.6	9482.7	9785.0	10101.3	8935.8
42.5°	9441.9	9471.5	9664.1	9794.8	9991.6	10109.7	10258.8	10253.1	10804.2	11279.4	9953.7
45°	9671.1	9721.7	9990.2	10219.4	10556.8	10745.2	10978.6	11161.3	11951.5	12591.1	10984.2
47.5°	9973.4	10021.2	10327.7	10703.0	11152.9	11400.3	11787.0	12182.0	13212.5	13878.9	11990.8
50°	10399.4	10378.3	10680.5	11219.0	11796.8	12121.6	12672.7	13264.6	14463.8	15000.8	12582.7
52.5°	10853.5	10845.0	11068.6	11779.9	12556.0	12935.6	13663.8	14383.6	15660.2	15774.1	12854.0
55°	11415.8	11355.4	11543.7	12419.6	13457.2	13864.9	14722.5	15491.5	16613.4	16209.9	12990.4
57.5°	12004.9	11905.1	12085.0	13132.4	14473.6	14955.8	15895.0	16571.2	17247.4	16507.9	12989.0
60°	12613.6	12495.5	12709.2	14023.7	15736.1	16294.2	17165.9	17300.9	17839.3	16658.4	12893.4
62.5°	13122.6	13052.3	13370.0	14976.9	17146.2	17694.5	18126.1	17964.4	18338.4	16775.1	12669.9
65°	13661.0	13665.2	14178.4	16089.0	18644.9	19014.6	19051.2	18824.8	18755.9	16751.2	11913.5
67.5°	14389.3	14456.7	15312.9	17598.9	20102.8	20388.2	20385.4	19756.9	19061.0	15800.8	10236.3
70°	15159.7	15318.6	16620.4	19326.7	21694.3	21983.9	21834.8	20350.2	17947.6	12776.7	7244.5
72.5°	15030.3	15305.9	17347.2	20416.3	22837.2	23058.0	22089.3	18892.3	14185.4	7425.9	3084.5
75°	11595.8	11914.9	15906.2	19336.6	21638.0	21439.8	18979.5	14701.4	7752.1	2072.3	694.5
77.5°	6125.5	6295.6	10507.6	14730.9	16872.1	16457.3	13370.0	8155.6	2363.3	513.1	312.1
80°	3208.2	3247.6	4579.0	8358.0	10413.4	10416.2	7923.6	3582.2	974.3	262.9	209.5
82.5°	1718.0	1751.7	2419.5	3862.0	5456.3	4945.9	3033.9	1971.1	566.6	149.0	201.0
85°	413.3	420.4	1372.1	1764.4	2145.4	1532.4	901.2	1654.7	153.2	87.2	163.1
87.5°	158.9	161.7	508.9	763.4	546.9	354.3	421.8	617.2	19.7	33.7	25.3
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°	6225.3	6225.3	6225.3	6225.3	6225.3	6225.3	6225.3	6225.3	6225.3	6225.3	6225.3
2.5°	6163.4	6126.9	6036.9	5923.0	5821.8	5748.7	5639.0	5567.3	5519.5	5518.1	5499.8
5°	6007.4	5932.8	5738.8	5508.3	5298.8	5110.4	4888.3	4712.5	4581.8	4560.7	4515.7
7.5°	5840.1	5717.7	5419.7	5059.8	4708.3	4351.2	3936.5	3679.2	3458.5	3353.0	3341.8
10°	5737.4	5565.9	5142.7	4622.6	4071.5	3490.8	2948.1	2572.8	2301.4	2224.1	2166.5
12.5°	5716.3	5490.0	4929.0	4212.0	3424.7	2657.1	2056.8	1657.5	1441.0	1372.1	1353.9
15°	5737.4	5454.8	4749.1	3805.7	2769.6	1885.3	1380.6	1148.6	1067.1	1047.4	1046.0
17.5°	5750.1	5412.7	4545.2	3354.4	2134.1	1346.8	1057.2	989.7	977.1	975.7	978.5
20°	5748.7	5348.0	4302.0	2851.1	1587.2	1058.6	956.0	941.9	939.1	940.5	939.1
22.5°	5738.8	5272.1	4034.9	2332.4	1199.2	946.2	912.4	904.0	902.6	902.6	902.6
25°	5757.1	5211.6	3741.1	1836.1	988.3	894.1	873.1	866.0	864.6	864.6	861.8
27.5°	5823.2	5177.9	3419.1	1412.9	892.7	847.8	830.9	829.5	825.3	823.9	826.7
30°	5930.0	5177.9	3066.2	1099.4	835.1	800.0	787.3	784.5	783.1	781.7	783.1
32.5°	6118.4	5217.2	2681.0	913.8	780.3	746.5	738.1	742.3	738.1	738.1	738.1
35°	6458.6	5335.3	2277.5	797.1	722.6	694.5	686.1	691.7	688.9	688.9	687.5
37.5°	6954.9	5554.7	1871.2	726.8	672.0	642.5	631.2	639.7	636.9	636.9	635.5
40°	7559.5	5873.8	1484.6	673.4	622.8	591.9	582.0	586.3	579.2	579.2	582.0
42.5°	8306.0	6278.7	1147.2	621.4	573.6	544.1	538.5	534.2	521.6	514.6	516.0
45°	9135.5	6700.5	894.1	570.8	527.2	503.3	494.9	483.6	462.5	448.5	449.9
47.5°	9876.4	7025.2	726.8	521.6	485.0	466.8	454.1	433.0	402.1	385.2	386.6
50°	10265.8	7074.4	618.6	472.4	445.7	427.4	409.1	376.8	340.2	321.9	320.5
52.5°	10365.6	6843.9	538.5	427.4	406.3	385.2	361.3	317.7	277.0	257.3	254.5
55°	10402.2	6492.4	466.8	385.2	364.1	340.2	309.3	260.1	222.1	202.4	201.0
57.5°	10281.3	5968.0	410.5	347.3	321.9	292.4	254.5	208.1	171.5	156.1	156.1
60°	10012.7	5258.0	366.9	306.5	278.4	244.6	205.3	161.7	127.9	115.3	115.3
62.5°	9477.1	4338.6	326.2	264.3	237.6	202.4	165.9	122.3	90.0	82.9	84.4
65°	8466.3	3291.2	285.4	226.3	202.4	167.3	129.3	87.2	60.5	60.5	63.3
67.5°	6904.3	2286.0	243.2	192.6	174.3	136.4	98.4	60.5	42.2	47.8	53.4
70°	4570.5	1282.2	208.1	158.9	149.0	108.3	73.1	40.8	33.7	45.0	54.8
72.5°	1725.0	499.1	174.3	127.9	129.3	82.9	52.0	30.9	30.9	49.2	64.7
75°	480.8	244.6	125.1	94.2	101.2	60.5	38.0	26.7	29.5	56.2	75.9
77.5°	282.6	180.0	81.5	54.8	68.9	42.2	25.3	21.1	25.3	47.8	73.1
80°	227.8	95.6	47.8	28.1	38.0	23.9	16.9	12.7	7.0	18.3	38.0
82.5°	227.8	57.6	22.5	19.7	19.7	12.7	8.4	5.6	1.4	0.0	9.8
85°	153.2	23.9	14.1	12.7	9.8	4.2	2.8	1.4	0.0	0.0	0.0
87.5°	25.3	9.8	5.6	2.8	1.4	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)