

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: P266919

Luminaire Tested: **GAN-AF-05-LED-U-SL3-7027-ADJ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266919  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24288)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-AF-05-LED-U-SL3-7027-ADJ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25849.3 lumens  
Efficiency: N/A  
Efficacy: 92.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B3 - U0 - G4

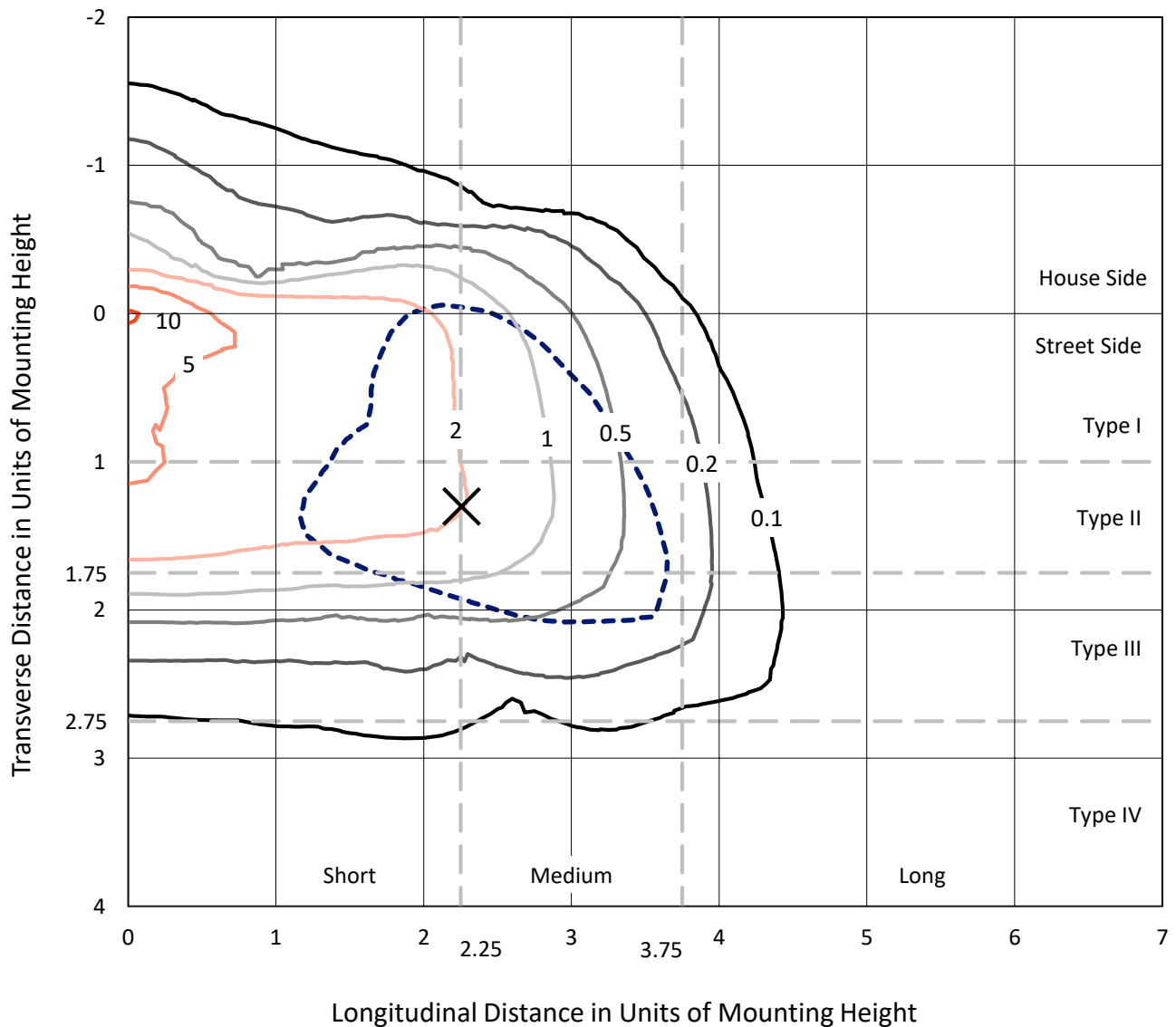
Input Watts (W): 279  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

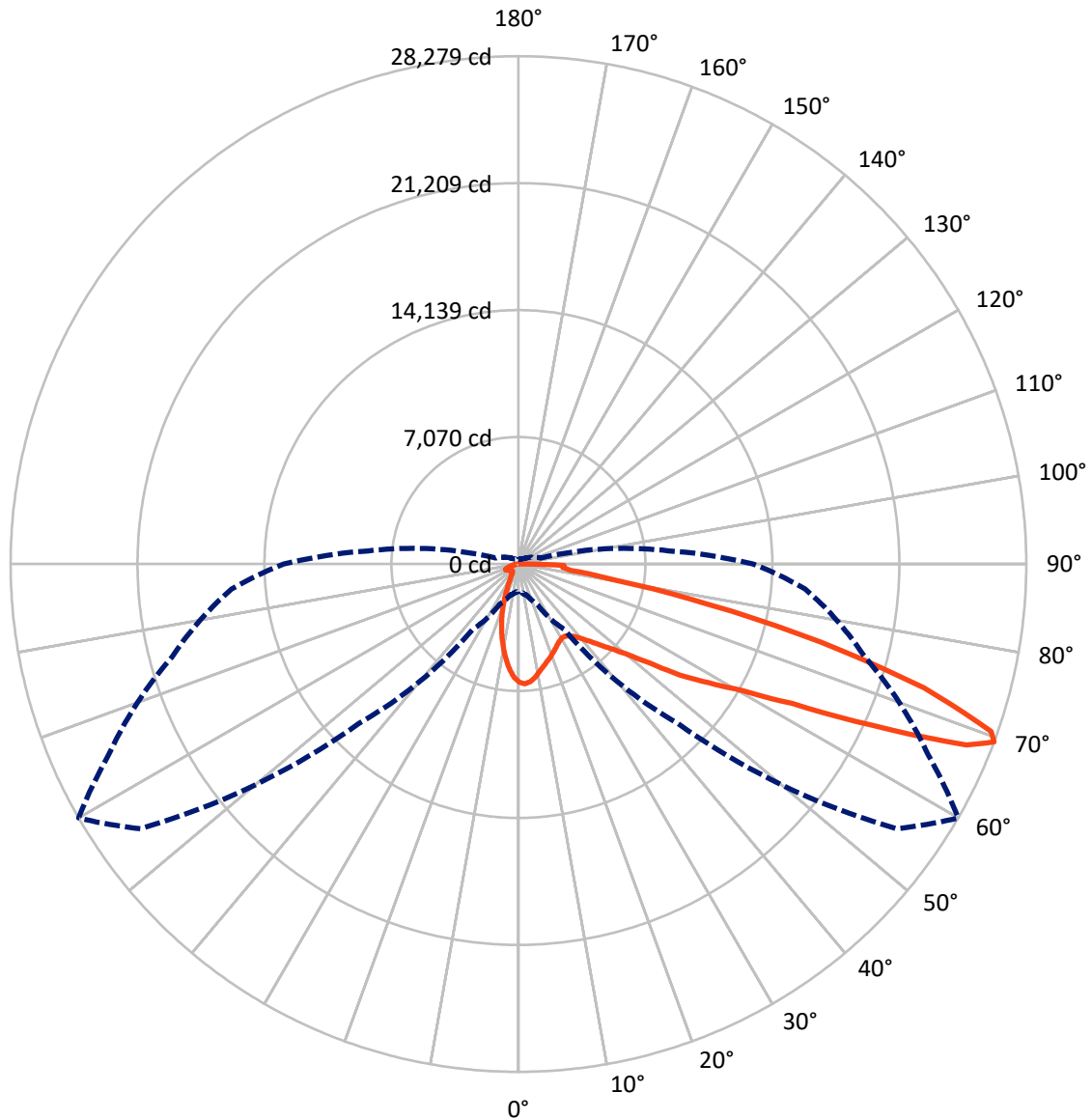
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3677.5	0.0	3677.5
	% Fixture	14.2	0.0	14.2
<b>Street Side</b>	Lumens	22171.7	0.0	22171.7
	% Fixture	85.8	0.0	85.8
<b>Total</b>	Lumens	25849.3	0.0	25849.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	556.9	2.2
10°-20°	1186.6	4.6
20°-30°	1511.9	5.8
30°-40°	2078.5	8.0
40°-50°	3372.6	13.0
50°-60°	5408.8	20.9
60°-70°	7198.7	27.8
70°-80°	3886.7	15.0
80°-90°	648.5	2.5
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°	25849.3	100.0
0°-180°	25849.3	100.0

**Coefficient of Utilization**



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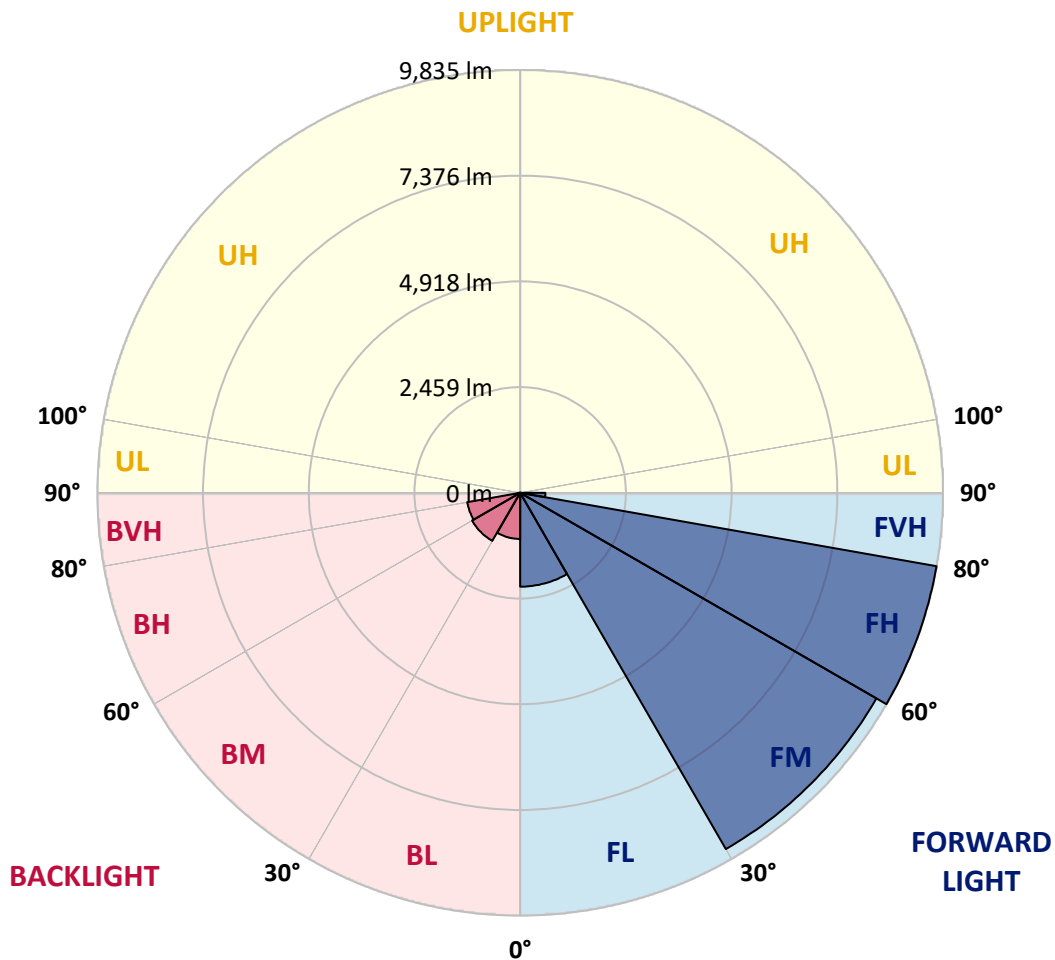
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2182.6	8.4			
FM	(30°-60°)	9567.9	37.0			
FH	(60°-80°)	9835.2	38.0			G4/12000
FVH	(80°-90°)	586.1	2.3			G4/750
BL	(0°-30°)	1072.9	4.2	B3/2500		
BM	(30°-60°)	1292.0	5.0	B2/2500		
BH	(60°-80°)	1250.2	4.8	B3/2500		G3/2500
BVH	(80°-90°)	62.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	6586.8	6586.8	6586.8	6586.8	6586.8	6586.8	6586.8	6586.8	6586.8	6586.8	6586.8
2.5°	6721.7	6736.6	6730.5	6726.7	6737.8	6720.4	6684.2	6673.0	6655.5	6614.3	6544.3
5°	6469.5	6514.4	6511.9	6545.6	6601.7	6616.7	6600.6	6603.0	6570.6	6519.4	6403.2
7.5°	6033.6	6052.3	6062.3	6136.1	6238.4	6320.8	6390.7	6413.2	6398.3	6354.5	6204.8
10°	5584.1	5599.0	5622.9	5709.0	5838.9	5952.4	6084.8	6160.9	6193.5	6186.0	6018.6
12.5°	5198.2	5213.3	5244.5	5341.9	5496.6	5636.5	5828.8	5923.8	6001.1	6047.4	5867.5
15°	4852.4	4884.9	4914.7	5027.2	5200.7	5384.4	5601.7	5721.5	5841.3	5945.0	5733.9
17.5°	4582.7	4615.1	4632.6	4735.0	4919.7	5144.6	5399.4	5540.3	5690.3	5860.1	5601.7
20°	4426.6	4441.6	4434.0	4491.4	4657.6	4896.1	5198.2	5361.9	5542.9	5780.1	5469.2
22.5°	4382.9	4384.1	4356.6	4350.4	4457.7	4658.8	4983.4	5182.1	5404.4	5727.8	5355.5
25°	4489.0	4485.2	4410.4	4349.1	4360.5	4477.8	4776.2	5007.2	5288.1	5716.5	5268.2
27.5°	4725.1	4736.3	4625.2	4510.2	4396.7	4392.8	4618.8	4862.3	5193.2	5767.7	5230.7
30°	5055.9	5074.6	4955.9	4810.0	4596.4	4420.3	4557.7	4776.2	5134.6	5873.7	5224.5
32.5°	5418.0	5438.0	5348.1	5194.4	4914.7	4590.2	4600.1	4783.7	5132.0	6022.3	5266.9
35°	5803.9	5826.3	5780.1	5650.2	5339.3	4903.6	4762.5	4904.8	5213.3	6249.7	5380.6
37.5°	6234.6	6269.6	6282.0	6158.5	5826.3	5316.9	5028.4	5134.6	5396.7	6565.5	5589.1
40°	6855.2	6904.0	6900.2	6722.8	6384.6	5875.1	5439.2	5466.7	5682.8	6987.6	5922.4
42.5°	8044.1	8053.9	7743.1	7357.2	6998.9	6461.9	5923.8	5901.2	6077.4	7522.0	6413.2
45°	9556.2	9514.9	8823.2	8077.6	7640.7	7136.2	6554.4	6444.4	6578.1	8173.9	7027.6
47.5°	10811.1	10716.2	9842.1	8813.2	8319.9	7869.2	7294.7	7102.4	7176.2	8913.2	7821.7
50°	11246.9	11175.8	10451.5	9425.0	8963.0	8763.2	8206.3	7934.1	7954.1	9794.7	8751.9
52.5°	11153.3	11143.2	10659.9	9828.4	9565.0	9702.2	9497.5	9129.0	8934.4	10773.6	9756.0
55°	10932.3	10953.5	10778.7	10297.9	10253.0	10608.9	11184.4	10912.3	10306.7	11761.2	10793.6
57.5°	10164.2	10219.2	10603.9	10888.4	11360.4	11890.0	12543.0	12465.6	11783.7	12829.0	12027.2
60°	8188.9	8316.1	9347.7	10773.6	12500.5	14156.3	14448.5	14268.7	13307.2	14153.8	13656.8
62.5°	5737.7	5870.1	7096.3	9327.6	12313.2	16716.1	17854.9	17079.5	15494.9	16105.5	15765.9
65°	3071.8	3135.4	4071.9	6471.8	10395.2	17244.3	22833.4	21653.4	18958.6	18511.7	17570.2
67.5°	1694.5	1729.4	2087.8	3267.9	6658.0	15185.2	26005.0	26896.6	23287.9	20113.7	17241.8
69°	1532.1	1564.6	1799.3	2474.9	4455.4	12555.5	25695.4	28278.9	25185.9	19955.2	16028.1
70°	1498.5	1528.3	1739.4	2281.3	3606.2	10349.1	24657.7	27925.5	25637.8	19387.0	14969.1
72.5°	1348.5	1381.1	1585.8	2049.0	3081.7	5159.5	19531.8	23611.3	23276.6	16809.8	11354.2
75°	1257.4	1287.5	1634.6	2006.6	2950.7	3265.2	12876.3	17401.5	17110.6	11758.9	6122.3
77.5°	538.2	535.7	757.9	1698.2	2994.3	3161.7	6918.9	10871.0	9918.2	5025.9	1758.2
80°	359.6	353.4	359.6	499.5	2745.8	3179.1	3624.9	5517.8	4168.0	1281.2	866.5
82.5°	309.6	304.6	315.9	304.6	965.1	3628.7	3081.7	2934.5	1981.7	727.9	429.6
85°	208.5	199.9	272.1	273.4	455.8	3224.0	3471.3	2478.7	1603.4	432.1	212.3
87.5°	99.9	97.3	158.6	193.6	267.2	1309.9	3894.6	2539.8	1617.0	221.1	101.1
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°	6586.8	6586.8	6586.8	6586.8	6586.8	6586.8	6586.8	6586.8	6586.8	6586.8	6586.8
2.5°	6523.1	6471.8	6422.0	6362.1	6299.6	6229.7	6194.7	6159.8	6151.1	6141.1	6106.0
5°	6343.3	6270.9	6146.1	6008.7	5863.7	5722.7	5615.3	5547.9	5496.6	5470.5	5424.2
7.5°	6111.0	6004.9	5786.4	5549.1	5305.6	5083.4	4891.1	4770.0	4655.0	4601.4	4540.3
10°	5890.0	5731.5	5391.7	5042.1	4692.6	4356.6	4040.8	3817.2	3618.7	3507.5	3428.9
12.5°	5700.3	5483.0	5012.3	4539.0	4059.5	3581.3	3108.0	2735.9	2425.0	2261.4	2177.8
15°	5515.5	5253.2	4651.3	4050.6	3435.1	2784.6	2162.7	1740.6	1483.5	1381.1	1346.1
17.5°	5348.1	5012.3	4289.1	3558.7	2790.9	2004.1	1453.5	1221.2	1122.5	1088.8	1077.5
20°	5167.1	4768.7	3913.3	3044.3	2119.0	1401.0	1135.1	1032.6	992.6	982.7	977.7
22.5°	4992.2	4529.0	3553.8	2493.7	1522.2	1081.4	975.2	932.8	926.5	935.2	935.2
25°	4843.7	4314.2	3165.4	1918.1	1117.6	910.3	872.9	862.8	886.5	919.1	925.3
27.5°	4732.5	4138.1	2752.0	1416.0	890.3	791.6	790.4	806.7	865.3	927.8	940.3
30°	4656.4	3970.8	2310.0	1021.5	746.8	696.7	716.8	751.7	837.8	926.5	950.2
32.5°	4617.6	3847.3	1849.3	790.4	639.4	611.8	645.5	688.0	772.9	855.4	886.5
35°	4647.7	3756.1	1414.7	659.3	564.5	543.1	578.1	619.3	669.2	704.2	727.9
37.5°	4759.9	3719.8	1067.6	590.6	513.2	493.2	520.7	544.5	564.5	574.3	585.6
40°	5002.2	3758.5	855.4	555.6	484.5	459.6	470.7	479.4	492.0	502.0	507.0
42.5°	5359.4	3874.7	766.8	541.9	469.5	433.3	430.7	434.5	450.8	469.5	473.2
45°	5858.8	4079.5	760.4	550.8	462.0	412.1	400.9	405.9	430.7	459.6	464.6
47.5°	6496.9	4391.6	810.5	576.9	468.2	400.9	382.0	388.3	419.6	458.2	464.6
50°	7269.9	4827.4	894.1	615.6	495.8	403.2	375.9	379.7	412.1	454.5	460.8
52.5°	8182.7	5445.4	985.3	653.1	524.4	419.6	380.8	372.1	402.1	439.5	447.0
55°	9197.7	6238.4	1078.9	686.8	539.4	439.5	390.9	362.0	383.3	414.6	420.8
57.5°	10444.0	7347.2	1241.2	719.3	549.5	453.3	400.9	352.1	359.6	382.0	387.1
60°	12130.9	8915.6	1527.1	772.9	572.0	458.2	399.6	343.4	335.8	348.5	350.9
62.5°	14152.5	10618.8	1765.6	840.4	609.4	462.0	392.1	337.1	315.9	315.9	318.4
65°	15352.6	11074.6	1633.3	896.6	640.6	458.2	383.3	330.8	300.9	287.2	288.4
67.5°	14334.9	9739.8	1399.7	907.7	639.4	440.8	369.7	319.6	285.9	264.7	263.5
69°	13060.0	8403.6	1294.8	877.9	609.4	418.3	352.1	307.2	274.7	252.2	250.9
70°	12032.3	7588.3	1226.1	845.3	576.9	402.1	338.4	295.9	266.0	244.8	242.3
72.5°	8748.2	4972.3	1047.7	726.6	475.7	337.1	292.2	259.7	237.2	224.8	222.3
75°	4371.6	2371.3	850.3	589.4	364.6	269.8	239.8	217.3	206.0	203.6	202.3
77.5°	1436.0	1086.3	608.2	439.5	271.0	211.0	193.6	177.3	174.8	182.3	179.8
80°	789.3	631.9	385.8	291.0	184.8	154.9	152.4	143.5	147.3	159.8	157.4
82.5°	402.1	328.4	238.5	174.8	124.9	111.1	121.1	116.2	121.1	132.4	131.2
85°	198.5	179.8	151.1	106.1	82.5	71.1	86.1	89.9	92.3	101.1	101.1
87.5°	114.9	106.1	79.9	49.9	41.2	37.5	49.9	48.7	57.4	62.4	61.2
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)