

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: P300872

Luminaire Tested: **GAA-AF-06-LED-U-SL4-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P300872  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24301)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAA-AF-06-LED-U-SL4-8030  
Description: GALLEONNAIRE AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 3000K CCT 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND Type V  
Square Wide OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27510.4 lumens  
Efficiency: N/A  
Efficacy: 82.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G4  
  
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: 28.75 FT

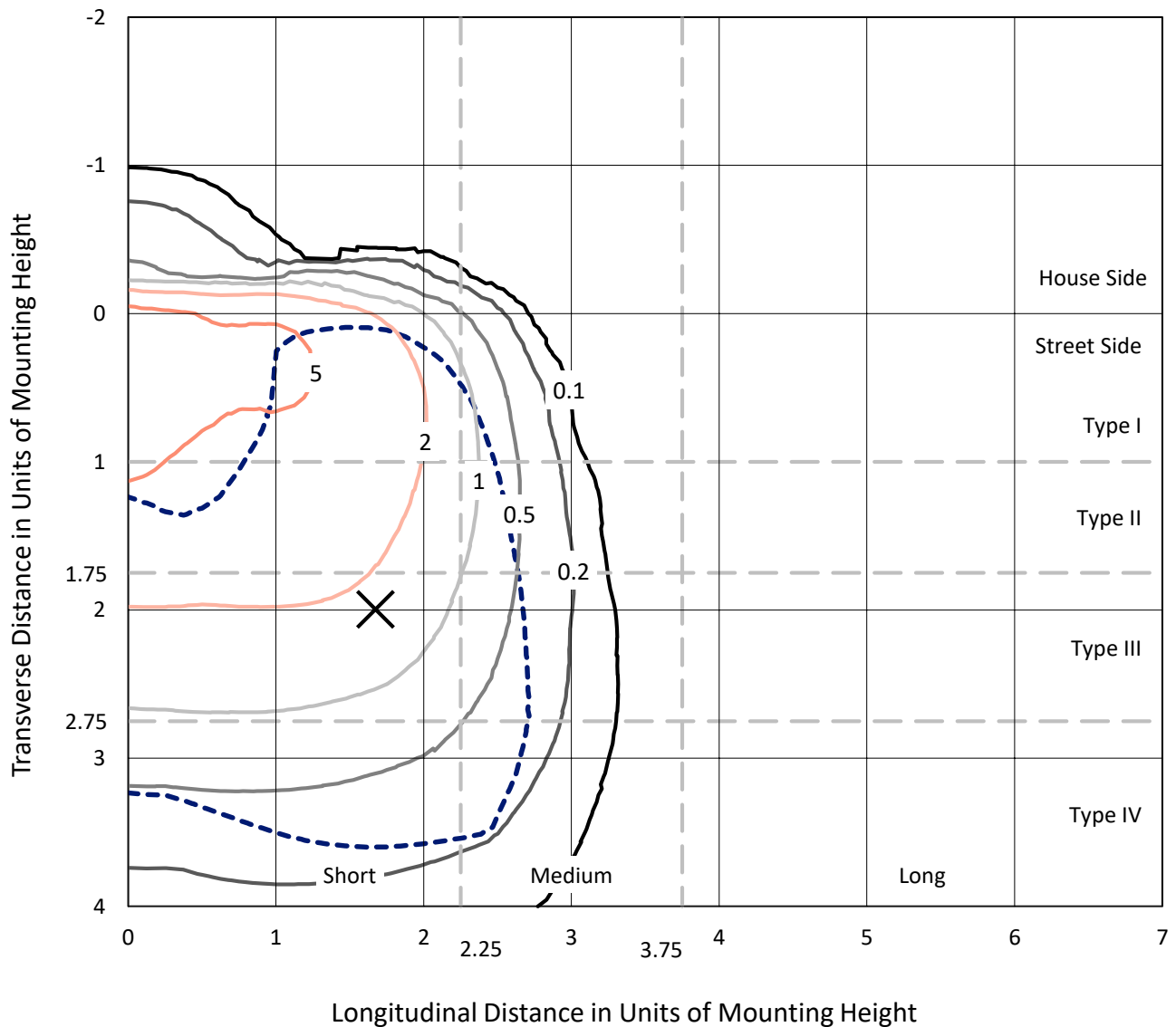


REPORT NUMBER: P300872

CATALOG NUMBER: GAA-AF-06-LED-U-SL4-8030

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

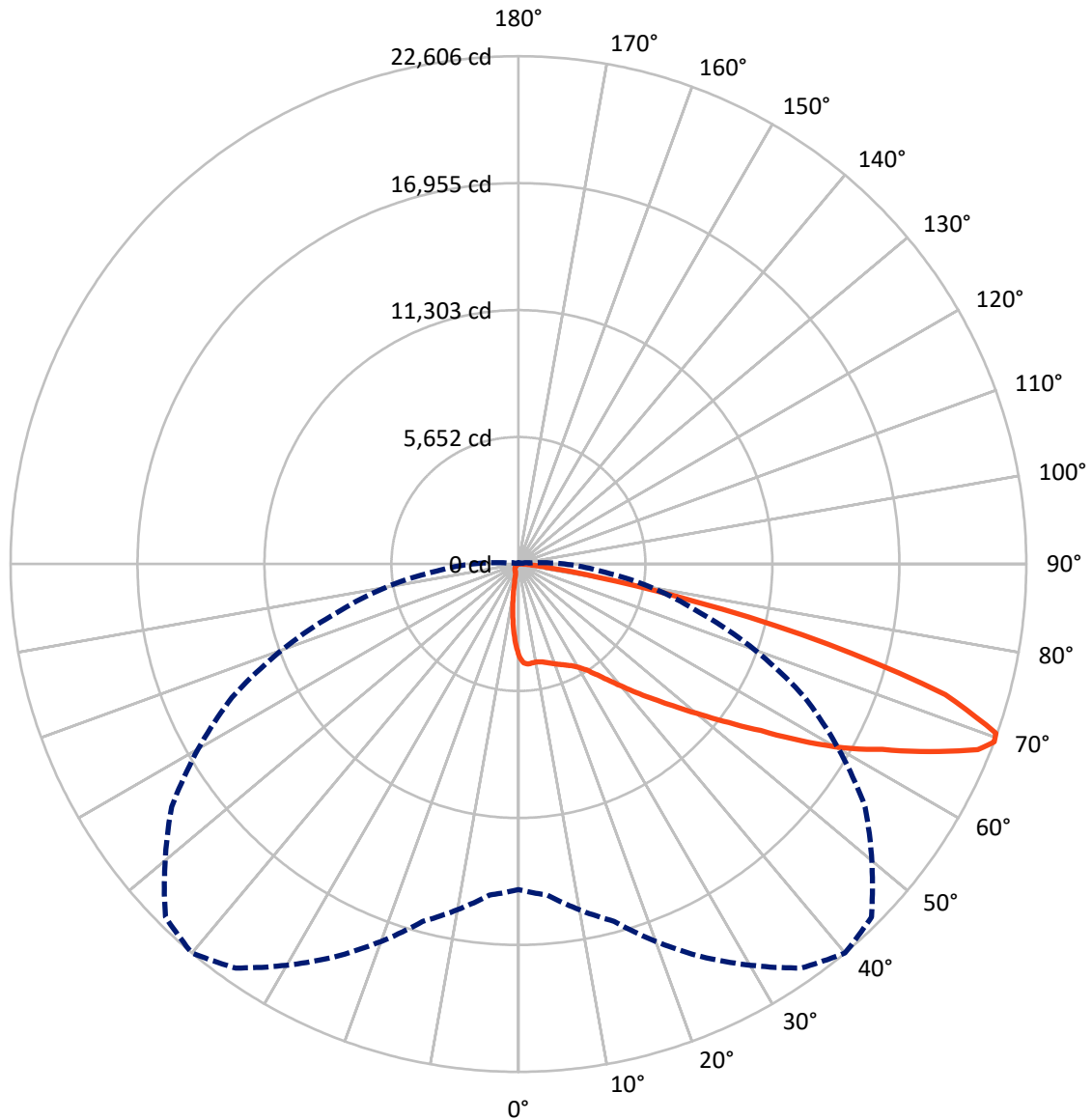


Based on 25 foot mounting height. Maximum calculated value = 7.2 fc  
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P300872

CATALOG NUMBER: GAA-AF-06-LED-U-SL4-8030

### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P300872

CATALOG NUMBER: GAA-AF-06-LED-U-SL4-8030

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1609.5	0.0	1609.5
	% Fixture	5.9	0.0	5.9
<b>Street Side</b>	Lumens	25900.9	0.0	25900.9
	% Fixture	94.1	0.0	94.1
<b>Total</b>	Lumens	27510.4	0.0	27510.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	333.3	1.2
10°-20°	819.5	3.0
20°-30°	1380.4	5.0
30°-40°	2259.7	8.2
40°-50°	3912.7	14.2
50°-60°	6162.8	22.4
60°-70°	8048.4	29.3
70°-80°	4145.3	15.1
80°-90°	448.4	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°	27510.4	100.0
0°-180°	27510.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P300872

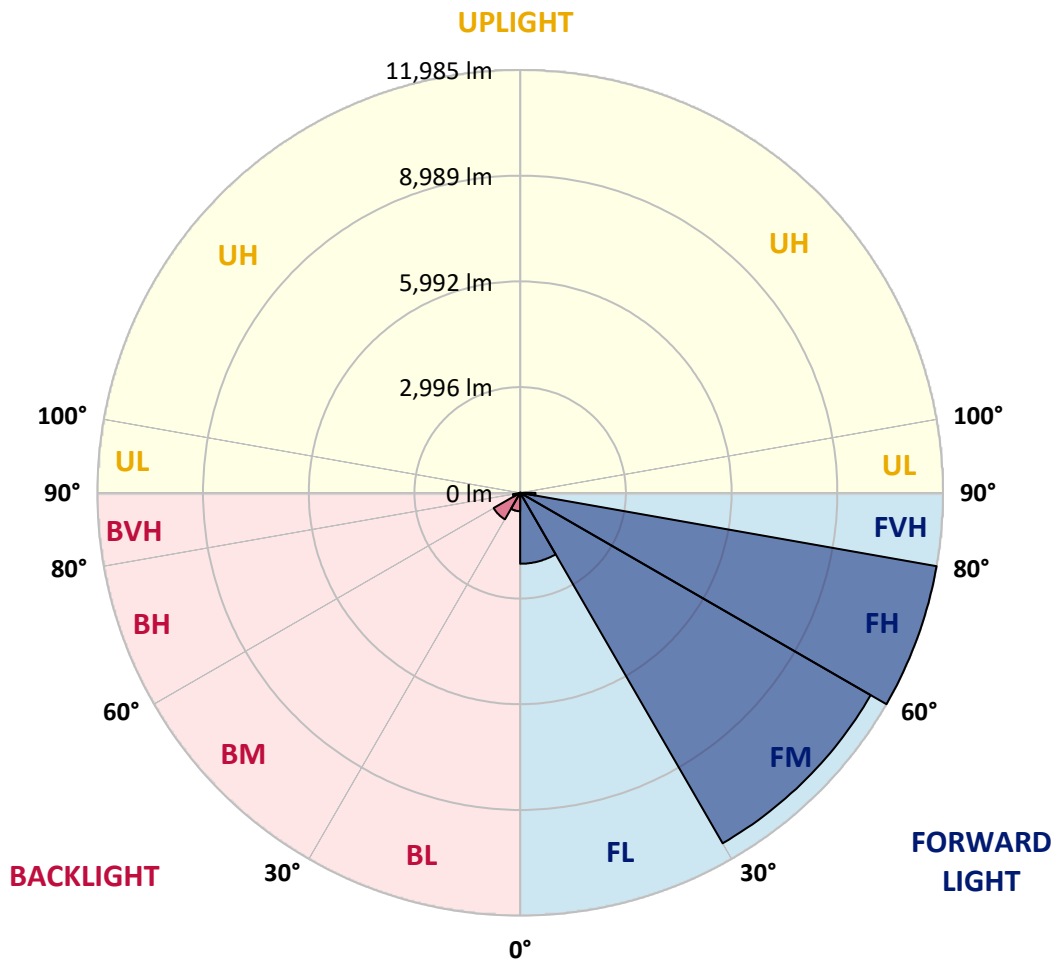
CATALOG NUMBER: GAA-AF-06-LED-U-SL4-8030

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2011.8	7.3			
FM (30°-60°)	11470.1	41.7			
FH (60°-80°)	11984.7	43.6			G4/12000
FVH (80°-90°)	434.3	1.6			G3/500
BL (0°-30°)	521.4	1.9	B2/1000		
BM (30°-60°)	865.1	3.1	B1/1000		
BH (60°-80°)	209.0	0.8	B1/500		G1/500
BVH (80°-90°)	14.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**

Type IV Short





REPORT NUMBER: P300872

CATALOG NUMBER: GAA-AF-06-LED-U-SL4-8030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	4110.2	4110.2	4110.2	4110.2	4110.2	4110.2	4110.2	4110.2	4110.2	4110.2	4110.2
2.5°	4513.0	4488.5	4473.7	4454.1	4429.5	4408.2	4400.0	4339.5	4282.1	4203.5	4113.5
5°	4596.5	4588.4	4562.2	4536.0	4506.5	4473.7	4455.7	4383.7	4301.8	4187.2	4030.0
7.5°	4604.7	4594.9	4562.2	4526.1	4485.2	4445.9	4414.8	4342.7	4267.4	4151.1	3959.5
10°	4591.6	4580.2	4555.6	4516.3	4465.5	4427.9	4396.8	4328.0	4264.1	4159.3	3946.4
12.5°	4576.9	4565.4	4554.0	4534.3	4490.1	4463.9	4437.7	4372.2	4314.9	4226.5	3993.9
15°	4591.6	4585.1	4598.2	4590.0	4565.4	4542.5	4516.3	4457.4	4405.0	4331.3	4080.7
17.5°	4653.9	4653.9	4694.8	4699.7	4676.8	4644.0	4606.4	4547.4	4503.2	4441.0	4183.9
20°	4799.6	4794.7	4847.1	4856.9	4801.2	4750.5	4694.8	4622.7	4588.4	4549.1	4285.4
22.5°	5050.1	5027.2	5058.3	5048.5	4938.8	4860.2	4791.4	4703.0	4685.0	4667.0	4398.4
25°	5376.0	5362.9	5384.2	5287.6	5094.4	4987.9	4906.0	4806.1	4806.1	4824.2	4526.1
27.5°	5849.3	5800.1	5728.1	5557.8	5267.9	5132.0	5043.6	4937.2	4965.0	5032.1	4694.8
30°	6334.0	6279.9	6114.5	5852.5	5479.2	5336.7	5233.5	5122.2	5187.7	5310.5	4920.8
32.5°	6812.1	6751.5	6517.4	6186.6	5782.1	5639.7	5539.8	5416.9	5526.7	5733.0	5251.6
35°	7275.5	7221.5	6951.3	6561.6	6184.9	6067.0	5975.3	5868.9	6009.7	6297.9	5718.3
37.5°	7796.3	7737.3	7408.2	6985.7	6674.6	6589.4	6522.3	6415.8	6661.5	7084.0	6368.4
40°	8436.6	8336.7	7892.9	7472.0	7241.2	7200.2	7154.4	7139.6	7521.2	8105.8	7234.6
42.5°	9170.2	9006.4	8400.5	7984.6	7863.4	7892.9	7881.4	7946.9	8597.0	9376.5	8289.2
45°	9903.8	9692.5	8965.5	8531.5	8547.9	8651.1	8714.9	8976.9	9944.7	10833.9	9424.0
47.5°	10526.0	10318.1	9507.5	9122.7	9319.2	9522.2	9695.8	10192.0	11330.1	12268.4	10306.6
50°	11058.2	10861.7	10082.3	9772.8	10214.9	10542.4	10824.1	11559.3	12820.2	13360.6	10925.6
52.5°	11493.8	11362.8	10678.3	10517.9	11238.4	11718.2	12130.8	13011.8	14140.1	14248.1	11407.0
55°	11917.9	11824.6	11318.6	11403.8	12440.3	13093.7	13616.1	14552.7	15276.5	14988.3	11868.8
57.5°	12405.9	12320.8	12048.9	12527.1	14020.5	14842.6	15412.4	15918.4	16277.0	15744.8	12304.4
60°	12903.7	12854.6	12861.2	13774.9	15834.9	16624.2	16938.6	17069.6	17259.6	16457.2	12329.0
62.5°	13378.6	13472.0	13789.6	15163.5	17572.3	18178.2	18337.1	18466.4	18243.7	16570.2	11390.7
65°	14182.6	14334.9	15093.1	17022.1	19483.3	20131.8	20295.5	19851.8	18399.3	15109.5	9265.1
67.5°	14575.6	14854.0	16206.6	18754.6	21337.0	22057.5	21996.9	19941.8	16511.2	11521.7	5945.9
69°	14493.8	14790.2	16463.7	19285.2	21952.7	22606.1	22221.3	18839.8	14066.4	8346.5	3650.1
70°	14169.5	14469.2	16331.1	19265.5	22031.3	22548.8	21805.3	17479.0	11893.4	6103.1	2282.7
72.5°	11832.8	12091.5	14498.7	17413.5	20295.5	19874.7	18242.1	12109.5	5795.2	1662.1	514.2
75°	7283.7	7427.8	10403.2	13118.2	15328.9	14248.1	12153.7	6024.5	1727.6	470.0	284.9
77.5°	3848.2	3913.7	5695.3	7732.4	9717.1	8040.3	6229.2	2349.9	795.8	294.8	206.3
80°	2274.5	2323.7	3067.1	3535.4	4205.2	3512.5	2490.7	1442.7	569.9	185.0	183.4
82.5°	1301.8	1332.9	2223.8	1965.0	1657.2	1414.8	1239.6	1367.3	342.2	124.5	190.0
85°	478.2	484.7	1251.1	1495.1	985.8	586.2	615.7	1133.2	91.7	78.6	149.0
87.5°	222.7	217.8	643.5	915.4	576.4	371.7	479.8	248.9	36.0	50.8	40.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P300872

CATALOG NUMBER: GAA-AF-06-LED-U-SL4-8030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4110.2	4110.2	4110.2	4110.2	4110.2	4110.2	4110.2	4110.2	4110.2	4110.2	4110.2
2.5°	4061.1	4000.5	3890.8	3777.8	3663.2	3574.7	3487.9	3419.2	3396.2	3353.7	3356.9
5°	3936.6	3825.3	3596.0	3363.5	3121.1	2921.4	2733.0	2580.7	2507.1	2431.7	2431.7
7.5°	3828.5	3666.4	3307.8	2929.5	2538.2	2209.0	1912.6	1689.9	1567.1	1468.9	1467.2
10°	3787.6	3568.2	3067.1	2525.1	1979.8	1531.1	1179.0	953.0	836.8	761.5	758.2
12.5°	3805.6	3533.8	2882.1	2151.7	1467.2	984.2	682.8	537.1	488.0	465.1	465.1
15°	3858.0	3524.0	2697.0	1786.5	1036.6	615.7	453.6	414.3	411.0	411.0	411.0
17.5°	3921.9	3527.2	2507.1	1431.2	705.8	440.5	391.4	386.5	389.7	389.7	389.7
20°	3987.4	3528.9	2302.4	1102.1	497.8	383.2	368.4	366.8	370.1	370.1	371.7
22.5°	4067.6	3537.1	2097.7	823.7	411.0	361.9	350.4	350.4	352.1	352.1	350.4
25°	4159.3	3553.4	1884.8	610.8	375.0	347.2	337.3	335.7	337.3	335.7	334.1
27.5°	4274.0	3576.4	1647.4	478.2	358.6	332.4	324.2	324.2	322.6	321.0	319.3
30°	4418.1	3602.6	1380.4	406.1	342.2	319.3	311.1	309.5	307.9	304.6	304.6
32.5°	4637.5	3659.9	1116.8	368.4	324.2	301.3	294.8	294.8	291.5	288.2	286.6
35°	4974.8	3772.9	881.0	345.5	304.6	281.7	273.5	273.5	270.2	268.6	266.9
37.5°	5441.5	3944.8	684.5	324.2	284.9	260.4	252.2	250.5	247.3	244.0	242.4
40°	6062.1	4157.7	538.7	304.6	265.3	239.1	232.5	229.3	222.7	217.8	217.8
42.5°	6841.6	4400.0	437.2	283.3	242.4	219.4	214.5	209.6	198.1	193.2	191.6
45°	7657.1	4617.8	370.1	258.7	219.4	199.8	196.5	188.3	173.6	168.7	168.7
47.5°	8245.0	4668.6	325.9	235.8	198.1	178.5	176.9	162.1	149.0	145.7	144.1
50°	8611.8	4568.7	289.8	212.9	178.5	158.8	153.9	135.9	127.7	124.5	122.8
52.5°	8859.0	4390.2	260.4	193.2	160.5	140.8	129.4	116.3	109.7	106.4	106.4
55°	9057.2	4138.0	230.9	175.2	145.7	126.1	109.7	99.9	93.3	90.1	90.1
57.5°	9112.9	3795.8	201.4	160.5	131.0	111.4	93.3	86.8	78.6	77.0	77.0
60°	8708.4	3178.4	178.5	142.5	117.9	96.6	81.9	73.7	65.5	63.9	62.2
62.5°	7642.3	2459.6	157.2	126.1	103.2	83.5	70.4	60.6	54.0	54.0	54.0
65°	5829.6	1649.0	137.6	109.7	90.1	70.4	60.6	49.1	45.9	45.9	47.5
67.5°	3489.6	897.4	117.9	93.3	77.0	59.0	50.8	42.6	40.9	42.6	42.6
69°	2045.3	527.3	106.4	83.5	67.1	52.4	44.2	37.7	40.9	42.6	42.6
70°	1262.5	355.3	98.3	75.3	60.6	47.5	40.9	36.0	39.3	40.9	40.9
72.5°	352.1	183.4	78.6	59.0	49.1	39.3	32.8	32.8	37.7	39.3	39.3
75°	229.3	135.9	60.6	44.2	37.7	31.1	27.8	31.1	36.0	37.7	37.7
77.5°	190.0	111.4	49.1	36.0	31.1	29.5	26.2	27.8	32.8	34.4	34.4
80°	173.6	78.6	39.3	32.8	27.8	26.2	24.6	22.9	29.5	31.1	31.1
82.5°	165.4	62.2	34.4	29.5	26.2	22.9	21.3	22.9	26.2	27.8	29.5
85°	103.2	40.9	31.1	27.8	22.9	21.3	21.3	21.3	24.6	26.2	26.2
87.5°	37.7	32.8	27.8	22.9	19.7	19.7	19.7	19.7	21.3	24.6	24.6
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)