

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: P323360

Luminaire Tested: **GAN-SA6B-830-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323360
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-830-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22497 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

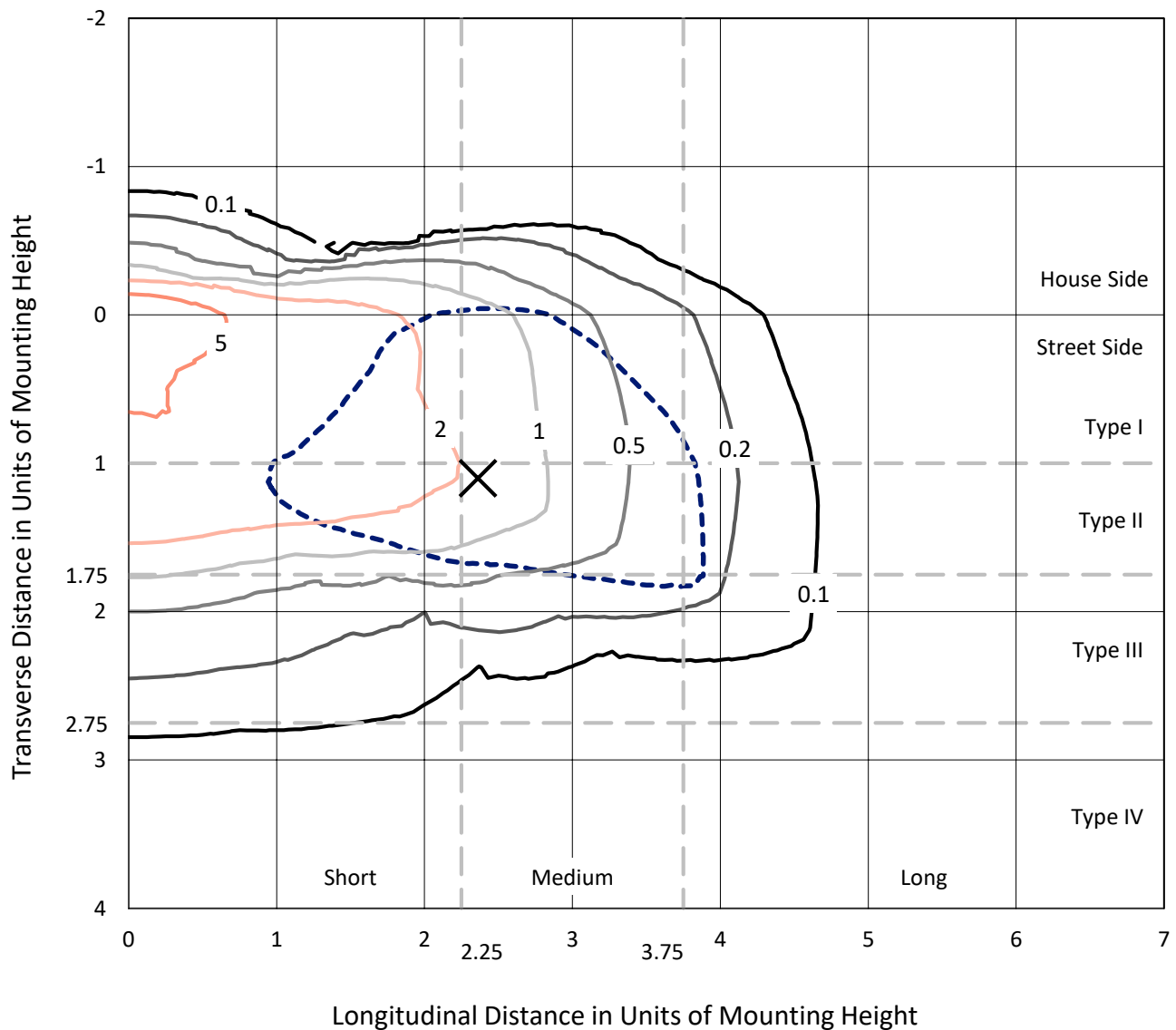
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

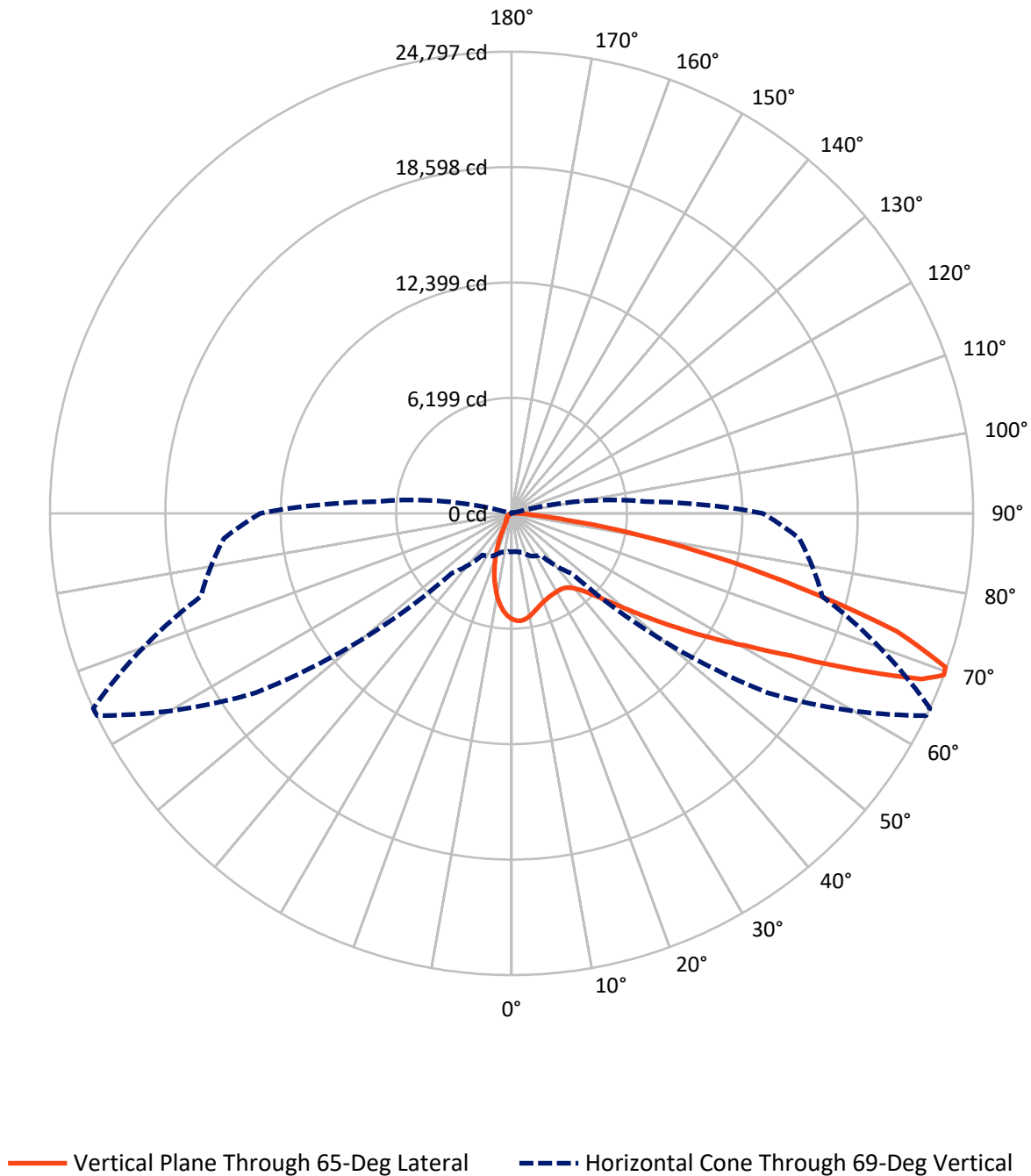
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2651.9	0.0	2651.9
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	19845.1	0.0	19845.1
	% Fixture	88.2	0.0	88.2
Total	Lumens	22497.0	0.0	22497.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.4	2.1
10°-20°	1040.6	4.6
20°-30°	1441.3	6.4
30°-40°	2009.7	8.9
40°-50°	3123.7	13.9
50°-60°	5014.7	22.3
60°-70°	5672.5	25.2
70°-80°	3331.5	14.8
80°-90°	387.5	1.7
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°	22497.0	100.0
0°-180°	22497.0	100.0

Coefficient of Utilization



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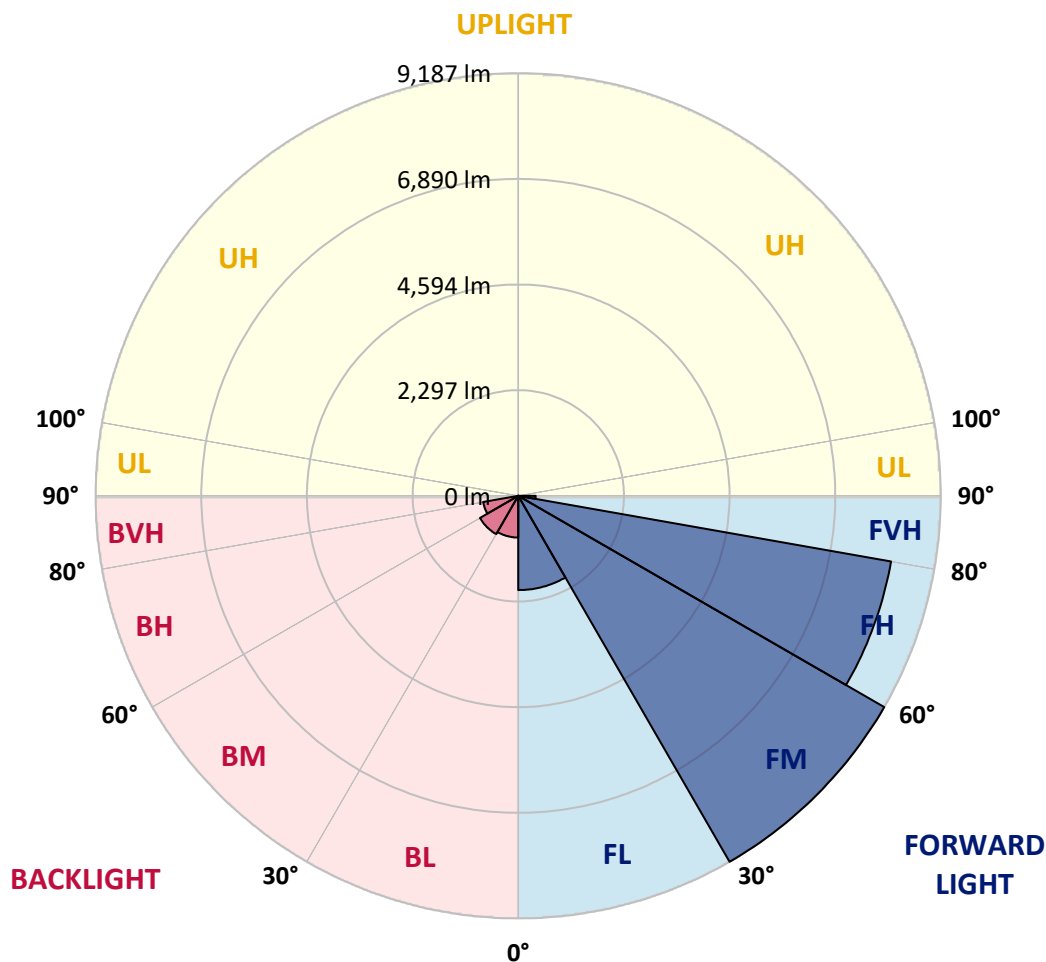
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2050.0	9.1			
FM	(30°-60°)	9187.1	40.8			
FH	(60°-80°)	8229.2	36.6			G4/12000
FVH	(80°-90°)	378.8	1.7			G3/500
BL	(0°-30°)	907.4	4.0	B2/1000		
BM	(30°-60°)	961.0	4.3	B1/1000		
BH	(60°-80°)	774.8	3.4	B2/1000		G2/1000
BVH	(80°-90°)	8.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	5685.0	5685.0	5685.0	5685.0	5685.0	5685.0	5685.0	5685.0	5685.0	5685.0	5685.0
2.5°	5735.5	5721.2	5732.6	5757.4	5769.8	5769.8	5779.3	5767.9	5771.7	5744.1	5704.1
5°	5376.6	5354.7	5386.1	5455.6	5541.3	5614.6	5723.1	5780.2	5785.9	5786.9	5740.2
7.5°	4990.1	4970.1	5016.8	5098.6	5209.1	5345.2	5534.6	5700.3	5709.8	5799.3	5765.0
10°	4676.0	4661.7	4715.9	4803.5	4933.0	5085.3	5317.6	5548.0	5575.6	5773.6	5761.2
12.5°	4426.6	4415.1	4466.5	4567.4	4699.8	4868.3	5111.0	5378.5	5415.6	5715.5	5742.1
15°	4244.7	4242.8	4285.7	4382.8	4529.4	4686.4	4934.9	5221.4	5264.3	5652.7	5739.3
17.5°	4149.5	4152.4	4183.8	4266.6	4392.3	4548.4	4786.4	5089.1	5135.8	5596.5	5753.6
20°	4140.0	4142.9	4160.0	4206.7	4308.5	4446.5	4665.5	4977.7	5026.3	5554.6	5776.4
22.5°	4223.8	4221.9	4226.6	4221.9	4279.0	4383.7	4585.5	4892.1	4948.2	5527.0	5794.5
25°	4384.7	4381.8	4379.9	4344.7	4306.6	4362.8	4552.2	4843.5	4896.8	5507.0	5805.0
27.5°	4608.4	4606.5	4603.6	4545.5	4431.3	4396.1	4556.0	4825.4	4870.2	5490.8	5803.1
30°	4902.5	4915.9	4912.0	4831.1	4653.1	4498.0	4596.0	4815.9	4854.9	5459.4	5783.1
32.5°	5248.1	5274.7	5295.7	5209.1	4986.3	4699.8	4688.3	4826.4	4854.9	5435.6	5746.9
35°	5607.0	5641.2	5718.3	5687.9	5394.7	5003.4	4847.3	4889.2	4913.0	5448.9	5729.8
37.5°	5960.1	6001.1	6168.6	6257.2	5929.7	5405.2	5094.8	5044.4	5056.7	5529.9	5748.8
40°	6370.4	6432.3	6686.5	6829.3	6568.4	5943.0	5465.1	5310.9	5315.7	5707.9	5837.3
42.5°	6909.2	6973.0	7248.1	7471.8	7288.1	6622.7	5967.8	5718.3	5713.6	6041.1	6045.8
45°	7566.1	7632.7	7917.3	8165.8	8083.0	7428.0	6611.3	6313.3	6307.6	6566.5	6440.9
47.5°	8310.5	8376.2	8630.4	8886.4	8975.9	8368.6	7430.9	7125.3	7112.0	7296.7	7051.1
50°	8949.3	8992.1	9226.3	9570.9	9974.5	9524.2	8450.4	8156.3	8142.0	8266.7	7946.9
52.5°	9181.5	9206.3	9444.3	9926.9	10934.1	11089.2	9789.8	9411.0	9400.5	9454.7	9139.6
55°	8711.3	8756.0	9048.3	9764.1	11453.8	12858.0	11480.5	10964.5	10885.5	10768.4	10386.7
57.5°	7430.0	7501.3	7815.5	8767.4	11211.1	14261.1	13965.1	12721.8	12605.7	11889.8	11400.5
60°	5567.0	5654.6	5915.4	6942.6	9915.5	14760.9	16680.0	14680.0	14418.2	12782.8	12332.5
62.5°	3820.2	3864.0	4041.0	4710.2	7302.4	13942.2	18951.4	17302.6	16824.7	13753.7	13340.6
65°	2917.7	2933.0	3005.3	3235.7	4348.5	11325.3	19854.8	20762.9	20185.1	14915.1	14386.8
67.5°	2351.3	2338.9	2438.9	2768.3	2912.0	6909.2	18801.0	24036.7	23766.3	16467.7	15439.6
69°	2073.3	2056.2	2158.1	2540.7	2734.9	4567.4	16807.6	24780.1	24797.3	17287.4	15512.0
70°	1865.8	1877.2	1978.1	2405.6	2675.0	3585.0	14903.7	24590.7	24725.9	17593.9	15077.9
72.5°	1246.1	1276.6	1479.3	1997.2	2572.2	2713.1	8998.8	21101.8	21621.6	16903.7	12936.0
75°	702.5	725.4	966.2	1506.0	2423.7	2583.6	4753.1	15546.3	16048.9	14135.5	9975.5
77.5°	344.6	357.0	546.4	971.9	2026.7	2461.7	2695.9	10560.0	11134.0	9226.3	5642.2
80°	145.6	152.3	273.2	599.7	1448.9	2349.4	2001.9	6498.9	6570.3	3614.5	1503.1
82.5°	56.2	58.1	115.2	374.1	920.5	1831.5	1674.5	3081.5	3007.2	680.6	342.7
85°	6.7	7.6	41.9	224.7	512.1	942.4	1360.3	1328.0	1229.0	135.2	176.1
87.5°	0.0	0.0	2.9	68.5	152.3	441.7	707.3	551.2	496.9	43.8	91.4
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°	5685.0	5685.0	5685.0	5685.0	5685.0	5685.0	5685.0	5685.0	5685.0	5685.0	5685.0
2.5°	5670.8	5661.2	5609.8	5535.6	5465.1	5377.6	5293.8	5243.3	5203.3	5176.7	5208.1
5°	5686.0	5644.1	5488.0	5288.1	5092.0	4871.1	4665.5	4491.3	4422.7	4346.6	4380.9
7.5°	5681.2	5602.2	5321.4	4965.4	4605.5	4233.3	3881.1	3609.8	3468.9	3330.9	3366.1
10°	5657.4	5524.2	5098.6	4571.3	4032.5	3497.5	2997.7	2617.9	2405.6	2213.3	2240.9
12.5°	5605.1	5419.4	4835.9	4120.0	3399.4	2694.0	2108.6	1622.1	1361.3	1246.1	1260.4
15°	5573.7	5317.6	4557.9	3663.1	2723.5	1876.3	1288.9	958.6	839.6	801.5	806.3
17.5°	5558.4	5219.5	4270.4	3140.5	2032.4	1194.7	833.0	734.9	709.2	702.5	704.4
20°	5543.2	5120.5	3974.4	2623.6	1400.3	803.4	684.5	655.9	646.4	637.8	639.7
22.5°	5517.5	5025.3	3656.4	2100.0	944.3	652.1	616.9	589.3	569.3	558.8	560.7
25°	5486.1	4925.4	3331.8	1564.0	689.2	581.6	548.3	509.3	485.5	466.5	467.4
27.5°	5435.6	4802.6	2996.7	1138.5	578.8	520.7	476.0	433.1	393.2	371.3	371.3
30°	5365.2	4663.6	2624.5	814.9	518.8	460.7	406.5	353.2	310.3	290.3	288.4
32.5°	5287.1	4518.9	2248.5	617.8	471.2	404.6	342.7	286.5	248.5	232.3	231.3
35°	5220.5	4362.8	1873.4	517.9	423.6	350.3	282.7	235.1	204.7	191.3	190.4
37.5°	5177.6	4206.7	1507.9	462.6	380.8	299.9	237.0	194.2	172.3	161.8	160.9
40°	5171.0	4090.5	1173.8	420.8	340.8	255.1	198.0	164.7	144.7	133.3	132.3
42.5°	5257.6	4023.9	900.5	385.5	299.9	216.1	168.5	140.9	119.9	108.5	107.6
45°	5485.1	4044.8	693.0	354.1	258.9	182.8	142.8	117.1	98.1	89.5	87.6
47.5°	5900.2	4189.5	551.2	322.7	219.9	155.2	121.8	97.1	80.9	72.3	71.4
50°	6638.9	4529.4	460.7	288.4	183.7	132.3	100.9	79.0	65.7	58.1	57.1
52.5°	7619.4	5134.8	411.2	255.1	152.3	112.3	82.8	62.8	51.4	45.7	44.7
55°	8700.8	5867.8	378.9	218.9	124.7	93.3	65.7	49.5	40.0	35.2	33.3
57.5°	9756.5	6502.8	348.4	183.7	103.8	76.2	52.4	39.0	31.4	26.7	25.7
60°	10726.5	7086.3	313.2	147.6	84.7	60.0	40.9	30.5	24.8	20.0	20.0
62.5°	11765.1	7537.5	264.6	115.2	69.5	45.7	33.3	27.6	20.0	17.1	16.2
65°	12865.6	7872.6	207.5	89.5	54.3	34.3	27.6	28.6	16.2	12.4	11.4
67.5°	13678.5	7806.0	153.3	70.4	41.9	26.7	26.7	30.5	14.3	9.5	8.6
69°	13499.6	7264.3	128.5	60.9	36.2	22.8	24.8	30.5	13.3	8.6	7.6
70°	12980.8	6664.6	113.3	54.3	32.4	20.9	23.8	29.5	12.4	8.6	7.6
72.5°	10810.3	5019.6	88.5	40.9	25.7	17.1	20.0	25.7	12.4	8.6	6.7
75°	8131.5	3212.8	67.6	29.5	19.0	13.3	15.2	19.0	12.4	7.6	6.7
77.5°	4424.7	1158.5	48.5	20.0	13.3	10.5	10.5	14.3	11.4	5.7	3.8
80°	1137.6	291.3	30.5	13.3	10.5	7.6	6.7	9.5	6.7	1.0	0.0
82.5°	280.8	65.7	16.2	9.5	7.6	2.9	2.9	4.8	2.9	0.0	0.0
85°	154.2	32.4	10.5	6.7	3.8	0.0	0.0	1.0	0.0	0.0	0.0
87.5°	79.0	9.5	2.9	1.9	1.0	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)