

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: P323881

Luminaire Tested: **GAN-SA7B-750-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323881
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-SA7B-750-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5000K, 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: 32805 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

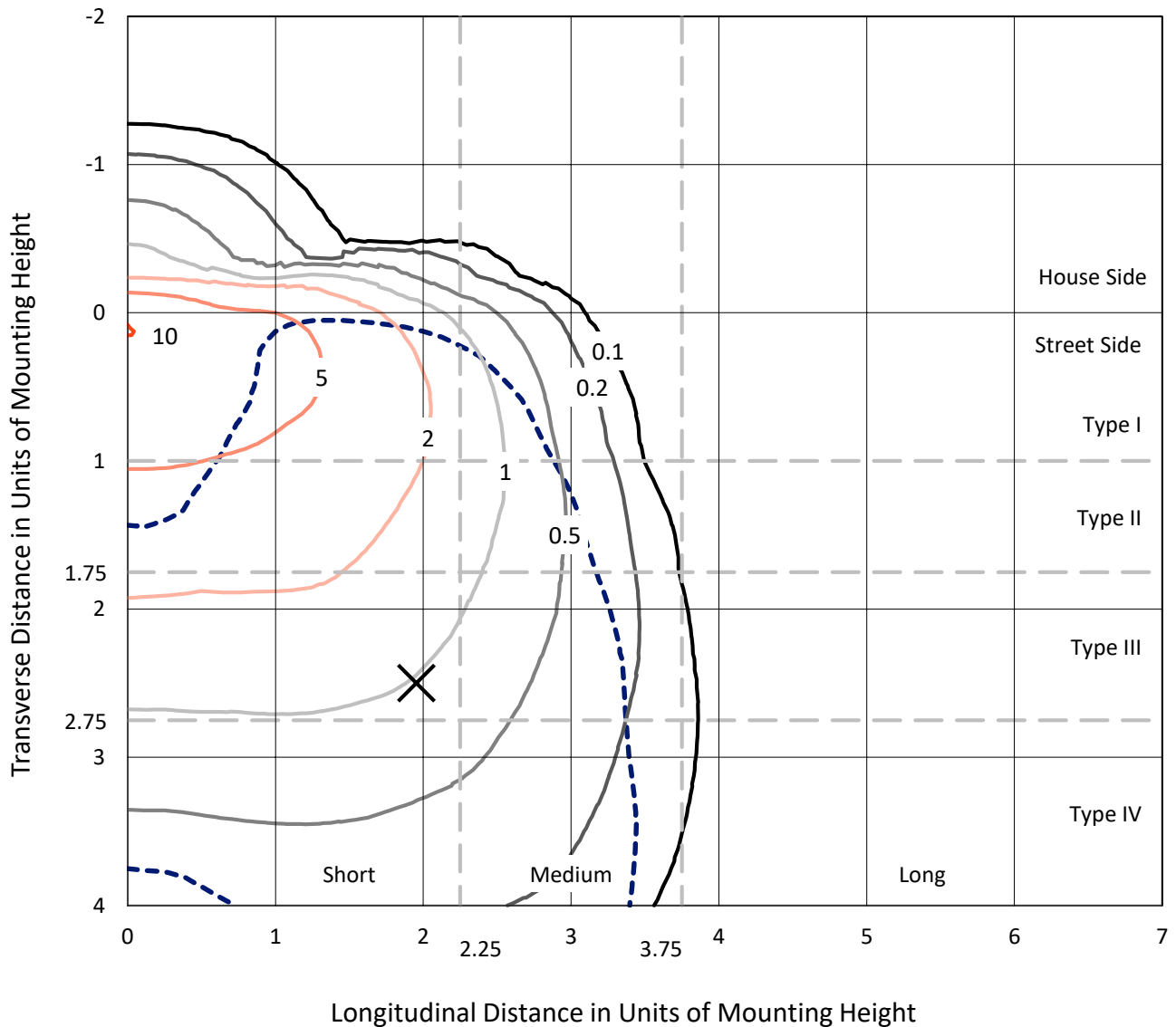
Input Watts (W): 295
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

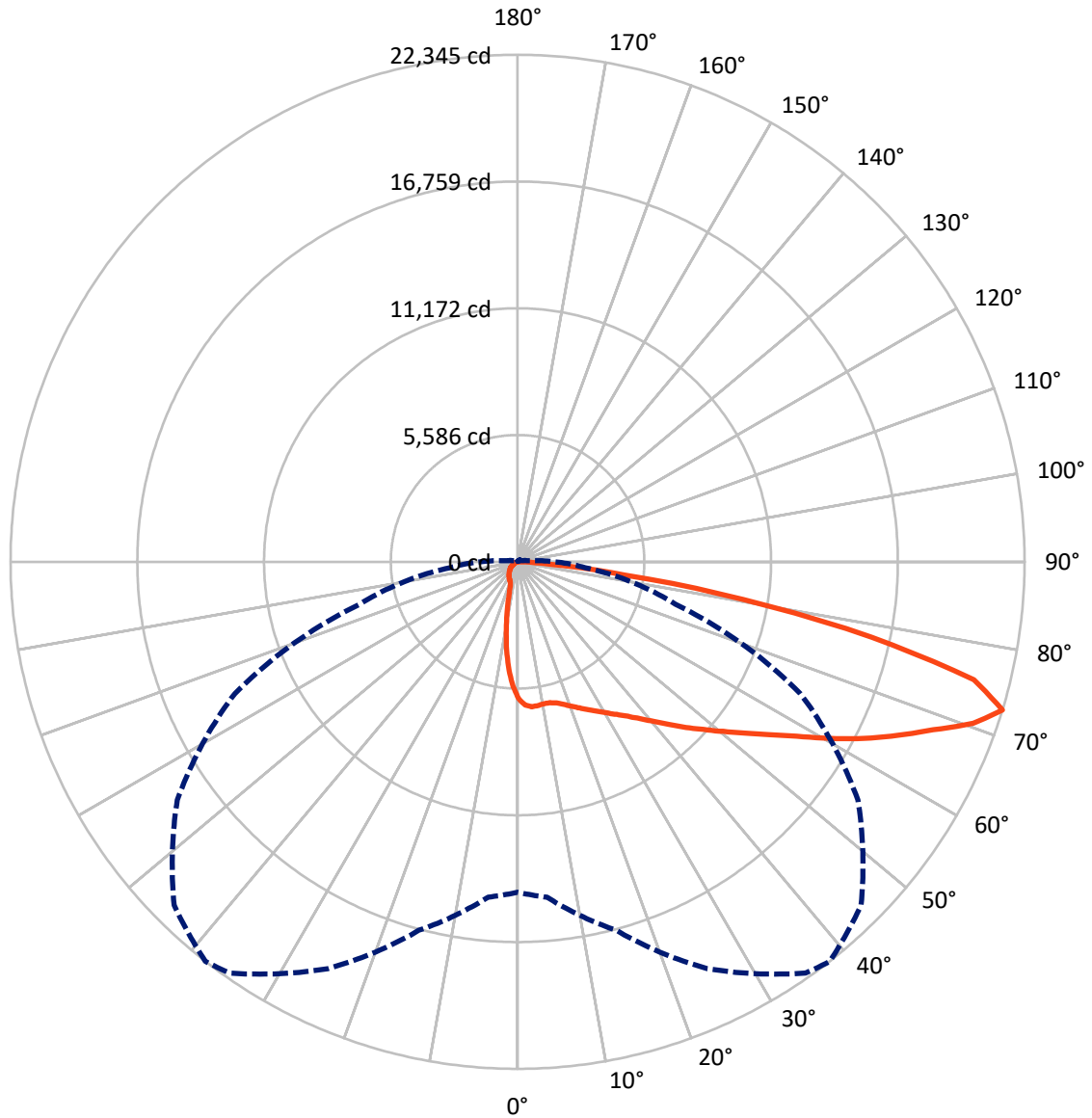
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 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
House Side	Lumens	2760.7	0.0	2760.7
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	30044.3	0.0	30044.3
	% Fixture	91.6	0.0	91.6
Total	Lumens	32805.0	0.0	32805.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.1	1.6
10°-20°	1257.1	3.8
20°-30°	1999.4	6.1
30°-40°	3005.9	9.2
40°-50°	4585.7	14.0
50°-60°	6481.1	19.8
60°-70°	8129.5	24.8
70°-80°	6078.6	18.5
80°-90°	753.7	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°	32805.0	100.0
0°-180°	32805.0	100.0

Coefficient of Utilization

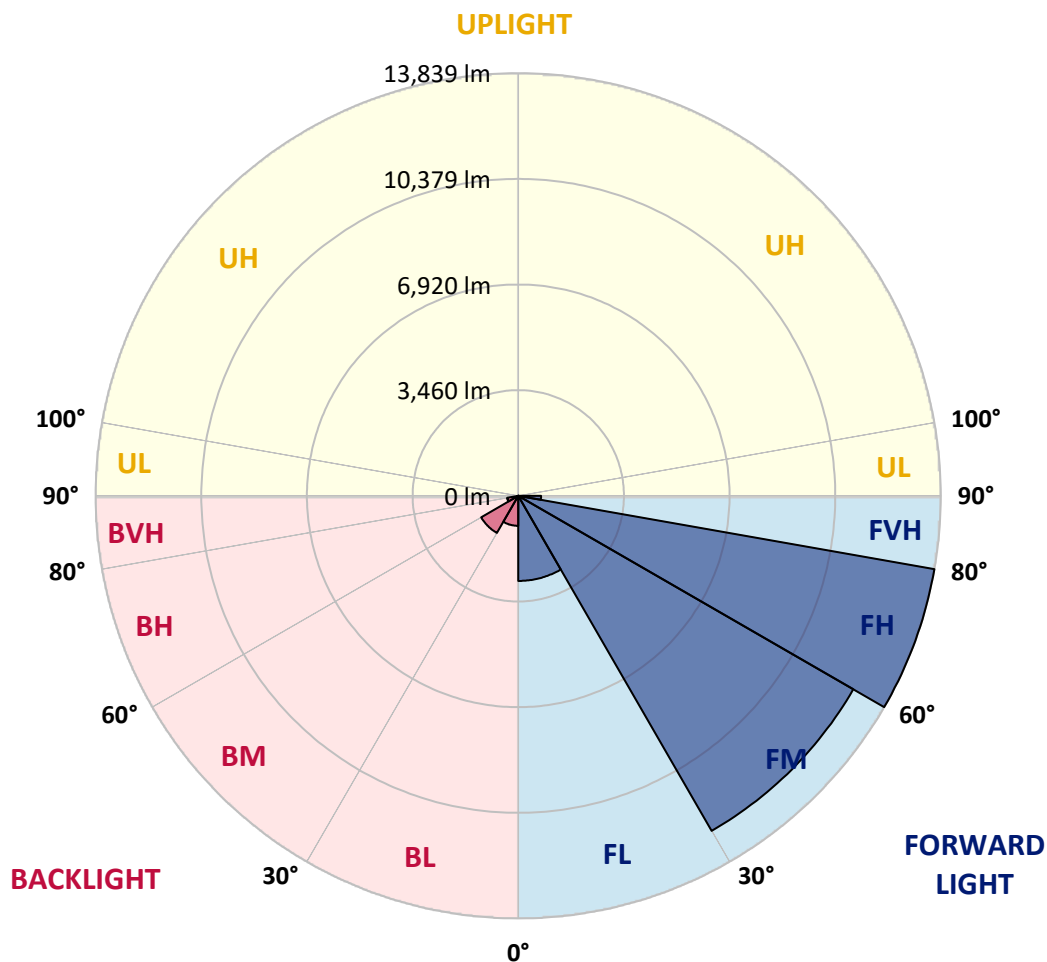


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2787.6	8.5			
FM (30°-60°)	12670.7	38.6			
FH (60°-80°)	13839.3	42.2			G5
FVH (80°-90°)	746.7	2.3			G4/750
BL (0°-30°)	983.0	3.0	B2/1000		
BM (30°-60°)	1401.9	4.3	B2/2500		
BH (60°-80°)	368.8	1.1	B1/500		G1/500
BVH (80°-90°)	7.0	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-G5
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	6032.7	6032.7	6032.7	6032.7	6032.7	6032.7	6032.7	6032.7	6032.7	6032.7	6032.7
2.5°	6403.3	6404.7	6389.7	6365.2	6333.8	6317.5	6290.2	6246.6	6200.3	6117.2	6027.3
5°	6534.1	6534.1	6515.0	6482.3	6431.9	6416.9	6365.2	6295.7	6200.3	6065.4	5914.2
7.5°	6520.5	6523.2	6497.3	6463.3	6412.8	6399.2	6336.5	6258.9	6140.4	5976.9	5783.4
10°	6449.6	6456.4	6436.0	6419.7	6373.3	6358.3	6299.8	6222.1	6103.6	5929.2	5707.1
12.5°	6377.4	6384.2	6391.0	6406.0	6377.4	6372.0	6325.6	6260.3	6147.2	5966.0	5715.3
15°	6331.1	6344.7	6393.8	6452.4	6459.2	6453.7	6423.7	6362.4	6248.0	6060.0	5773.9
17.5°	6331.1	6352.9	6455.1	6566.8	6606.3	6610.4	6584.5	6498.7	6362.4	6160.8	5828.4
20°	6384.2	6414.2	6573.6	6731.6	6797.0	6797.0	6746.6	6626.7	6467.3	6252.1	5865.2
22.5°	6520.5	6560.0	6760.3	6942.8	7012.3	6997.3	6929.2	6754.8	6576.3	6355.6	5911.5
25°	6788.9	6818.8	7027.3	7211.2	7253.4	7219.4	7133.6	6910.1	6715.3	6495.9	5995.9
27.5°	7134.9	7139.0	7354.3	7509.6	7483.7	7460.5	7352.9	7104.9	6915.6	6696.2	6141.7
30°	7515.0	7515.0	7704.4	7822.9	7743.9	7724.8	7617.2	7340.6	7171.7	6968.7	6348.8
32.5°	7882.9	7899.2	8053.2	8128.1	8039.6	8020.5	7915.6	7639.0	7512.3	7384.2	6671.7
35°	8238.5	8250.7	8396.5	8437.4	8352.9	8358.4	8283.4	8049.1	8001.4	7985.1	7158.1
37.5°	8583.2	8585.9	8734.4	8760.3	8718.0	8764.4	8771.2	8564.1	8652.6	8784.8	7843.4
40°	8897.9	8900.6	9047.7	9114.5	9186.7	9246.6	9299.8	9189.4	9482.3	9788.9	8659.4
42.5°	9149.9	9178.5	9365.2	9491.9	9682.6	9797.1	9941.5	9936.0	10470.1	10930.6	9645.8
45°	9372.0	9421.0	9681.3	9903.3	10230.3	10412.9	10639.0	10816.1	11581.8	12201.7	10644.5
47.5°	9664.9	9711.2	10008.2	10372.0	10808.0	11047.7	11422.4	11805.2	12803.9	13449.7	11620.0
50°	10077.7	10057.3	10350.2	10872.0	11431.9	11746.7	12280.7	12854.3	14016.4	14536.9	12193.5
52.5°	10517.8	10509.6	10726.2	11415.6	12167.6	12535.5	13241.2	13938.8	15175.8	15286.2	12456.5
55°	11062.7	11004.1	11186.7	12035.5	13040.9	13436.0	14267.1	15012.3	16099.5	15708.5	12588.6
57.5°	11633.6	11536.8	11711.2	12726.2	14026.0	14493.3	15403.4	16058.7	16714.0	15997.4	12587.3
60°	12223.5	12109.1	12316.1	13590.0	15249.4	15790.3	16635.0	16765.8	17287.6	16143.1	12494.6
62.5°	12716.7	12648.6	12956.5	14513.7	16615.9	17147.2	17565.5	17408.8	17771.2	16256.2	12278.0
65°	13238.5	13242.6	13739.9	15591.4	18068.2	18426.5	18462.0	18242.6	18175.9	16233.1	11545.0
67.5°	13944.2	14009.6	14839.3	17054.6	19481.0	19757.6	19754.9	19145.9	18471.5	15312.1	9919.7
70°	14690.8	14844.8	16106.4	18729.0	21023.3	21303.9	21159.5	19720.8	17392.5	12381.5	7020.5
72.5°	14565.5	14832.5	16810.7	19784.9	22130.9	22344.8	21406.1	18308.0	13746.7	7196.2	2989.1
75°	11237.1	11546.4	15414.3	18738.5	20968.8	20776.7	18392.5	14246.7	7512.3	2008.2	673.0
77.5°	5936.0	6100.9	10182.6	14275.3	16350.2	15948.3	12956.5	7903.3	2290.2	497.3	302.5
80°	3109.0	3147.2	4437.4	8099.5	10091.3	10094.1	7678.5	3471.4	944.1	254.8	203.0
82.5°	1664.9	1697.6	2344.7	3742.5	5287.5	4792.9	2940.1	1910.1	549.0	144.4	194.8
85°	400.5	407.4	1329.7	1709.8	2079.0	1485.0	873.3	1603.6	148.5	84.5	158.0
87.5°	154.0	156.7	493.2	739.8	530.0	343.3	408.7	598.1	19.1	32.7	24.5
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°	6032.7	6032.7	6032.7	6032.7	6032.7	6032.7	6032.7	6032.7	6032.7	6032.7	6032.7
2.5°	5972.8	5937.4	5850.2	5739.8	5641.7	5570.9	5464.6	5395.1	5348.8	5347.4	5329.7
5°	5821.6	5749.4	5561.3	5337.9	5134.9	4952.3	4737.1	4566.8	4440.1	4419.6	4376.0
7.5°	5659.4	5540.9	5252.1	4903.3	4562.7	4216.6	3814.7	3565.4	3351.5	3249.3	3238.4
10°	5560.0	5393.8	4983.7	4479.6	3945.5	3382.9	2857.0	2493.2	2230.3	2155.3	2099.5
12.5°	5539.5	5320.2	4776.6	4081.8	3318.8	2574.9	1993.2	1606.3	1396.5	1329.7	1312.0
15°	5560.0	5286.1	4602.2	3688.0	2683.9	1827.0	1337.9	1113.1	1034.1	1015.0	1013.6
17.5°	5572.2	5245.3	4404.7	3250.7	2068.1	1305.2	1024.5	959.1	946.9	945.5	948.2
20°	5570.9	5182.6	4169.0	2763.0	1538.2	1025.9	926.4	912.8	910.1	911.4	910.1
22.5°	5561.3	5109.0	3910.1	2260.2	1162.1	916.9	884.2	876.0	874.7	874.7	874.7
25°	5579.1	5050.4	3625.4	1779.3	957.8	866.5	846.1	839.2	837.9	837.9	835.2
27.5°	5643.1	5017.7	3313.4	1369.2	865.1	821.5	805.2	803.8	799.7	798.4	801.1
30°	5746.6	5017.7	2971.4	1065.4	809.3	775.2	762.9	760.2	758.9	757.5	758.9
32.5°	5929.2	5055.9	2598.1	885.6	756.1	723.4	715.3	719.4	715.3	715.3	715.3
35°	6258.9	5170.3	2207.1	772.5	700.3	673.0	664.9	670.3	667.6	667.6	666.2
37.5°	6739.8	5382.9	1813.4	704.4	651.2	622.6	611.7	619.9	617.2	617.2	615.8
40°	7325.7	5692.1	1438.7	652.6	603.5	573.6	564.0	568.1	561.3	561.3	564.0
42.5°	8049.1	6084.5	1111.7	602.2	555.9	527.3	521.8	517.7	505.5	498.6	500.0
45°	8852.9	6493.2	866.5	553.1	510.9	487.7	479.6	468.7	448.2	434.6	436.0
47.5°	9570.9	6807.9	704.4	505.5	470.0	452.3	440.1	419.6	389.6	373.3	374.7
50°	9948.3	6855.6	599.5	457.8	431.9	414.2	396.5	365.1	329.7	312.0	310.6
52.5°	10045.0	6632.2	521.8	414.2	393.7	373.3	350.1	307.9	268.4	249.3	246.6
55°	10080.4	6291.6	452.3	373.3	352.9	329.7	299.7	252.0	215.3	196.2	194.8
57.5°	9963.3	5783.4	397.8	336.5	312.0	283.4	246.6	201.6	166.2	151.2	151.2
60°	9703.1	5095.4	355.6	297.0	269.8	237.1	198.9	156.7	124.0	111.7	111.7
62.5°	9184.0	4204.4	316.1	256.1	230.2	196.2	160.8	118.5	87.2	80.4	81.7
65°	8204.4	3189.4	276.6	219.3	196.2	162.1	125.3	84.5	58.6	58.6	61.3
67.5°	6690.8	2215.3	235.7	186.6	168.9	132.2	95.4	58.6	40.9	46.3	51.8
70°	4429.2	1242.5	201.6	154.0	144.4	104.9	70.8	39.5	32.7	43.6	53.1
72.5°	1671.7	483.7	168.9	124.0	125.3	80.4	50.4	30.0	30.0	47.7	62.7
75°	465.9	237.1	121.3	91.3	98.1	58.6	36.8	25.9	28.6	54.5	73.6
77.5°	273.8	174.4	79.0	53.1	66.8	40.9	24.5	20.4	24.5	46.3	70.8
80°	220.7	92.6	46.3	27.2	36.8	23.2	16.3	12.3	6.8	17.7	36.8
82.5°	220.7	55.9	21.8	19.1	19.1	12.3	8.2	5.4	1.4	0.0	9.5
85°	148.5	23.2	13.6	12.3	9.5	4.1	2.7	1.4	0.0	0.0	0.0
87.5°	24.5	9.5	5.4	2.7	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)