

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: P323527

Luminaire Tested: **GAN-SA3C-740-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323527
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-740-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18448 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

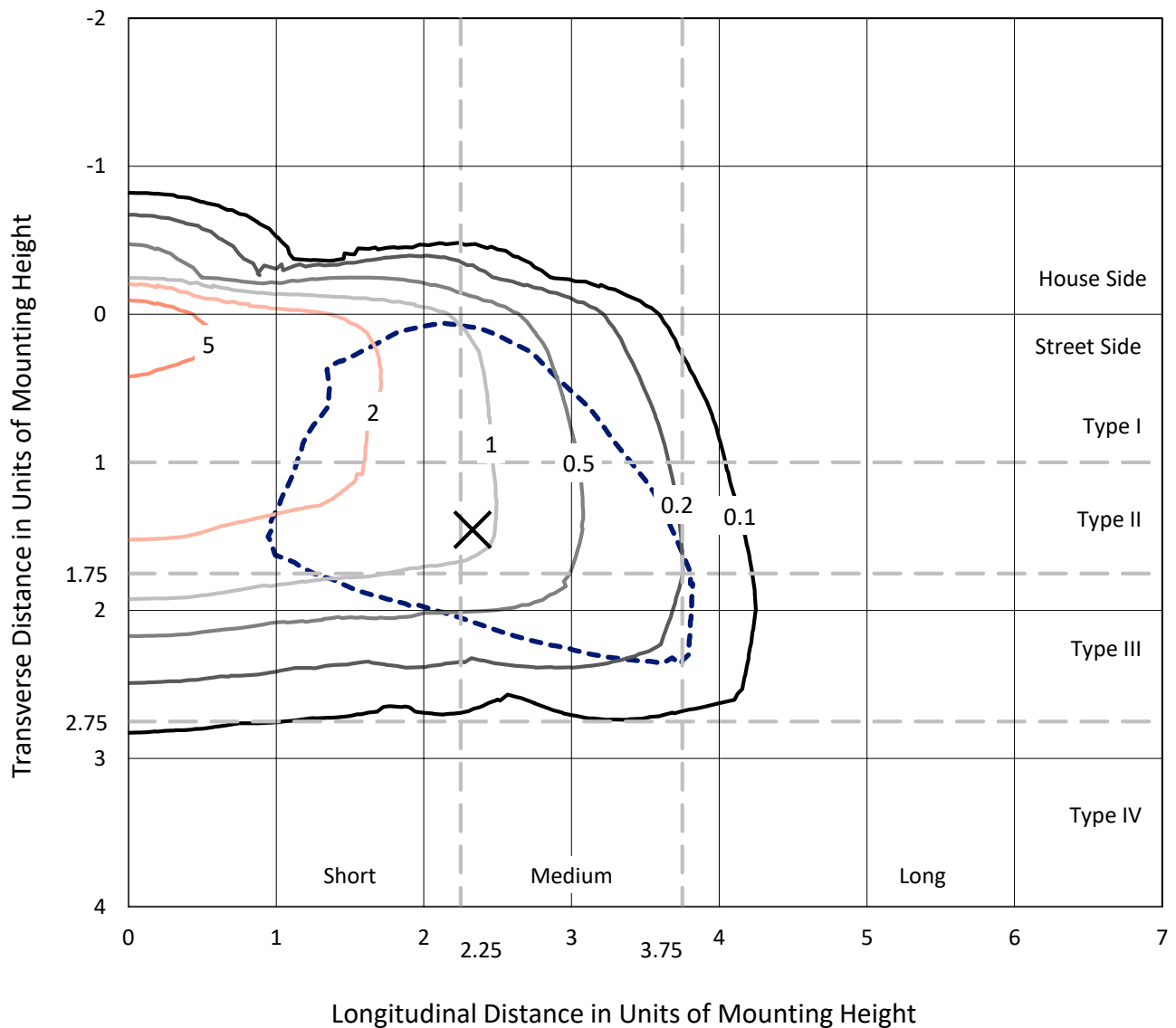
Input Watts (W): 166
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323527
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Iso-Footcandle Lines of Horizontal Illumination

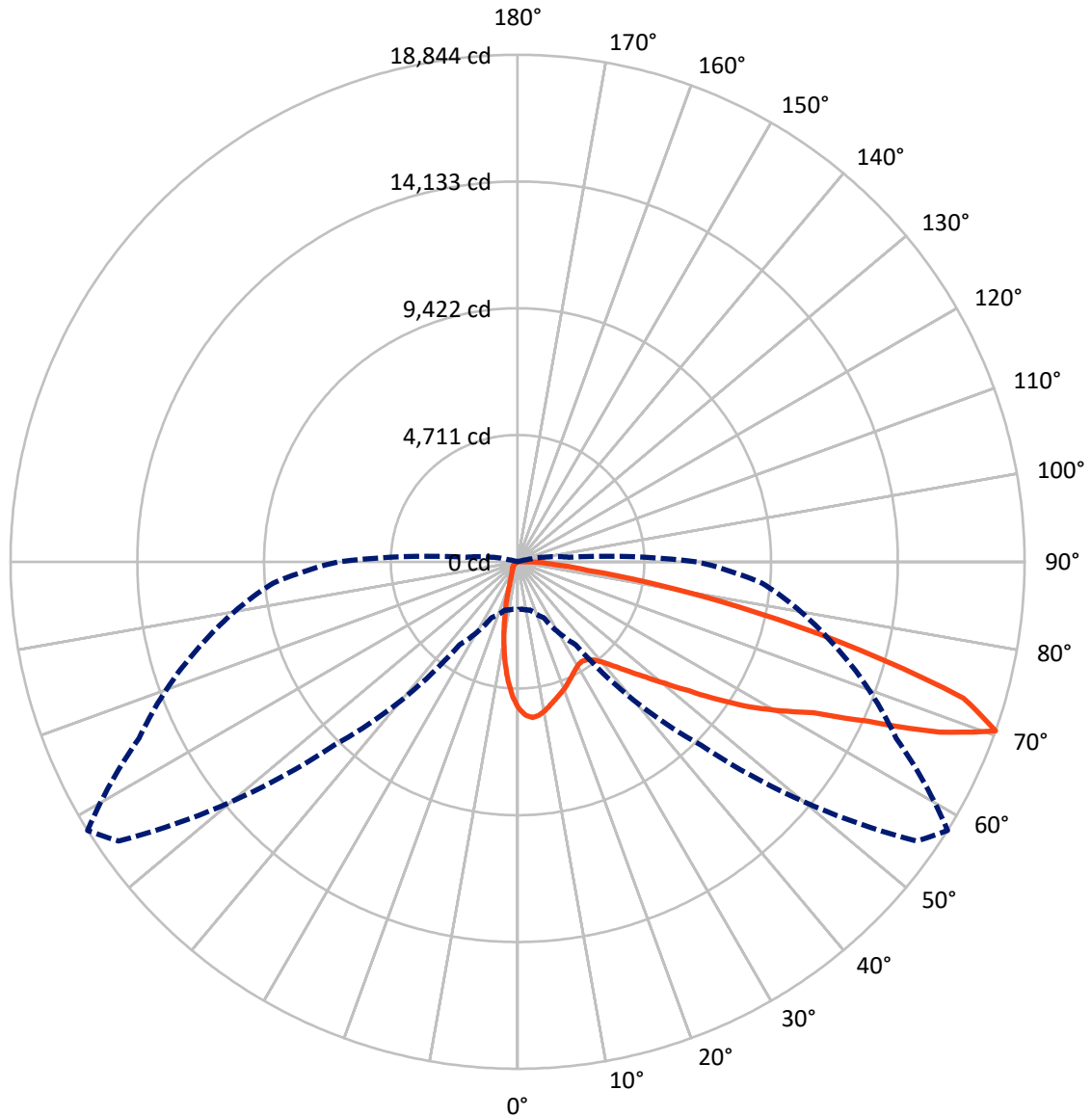
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P323527
CATALOG NUMBER: GAN-SA3C-740-U-SL3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1578.7	0.0	1578.7
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	16869.3	0.0	16869.3
	% Fixture	91.4	0.0	91.4
Total	Lumens	18448.0	0.0	18448.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.6	2.4
10°-20°	935.3	5.1
20°-30°	1229.5	6.7
30°-40°	1628.4	8.8
40°-50°	2434.0	13.2
50°-60°	3899.1	21.1
60°-70°	4914.8	26.6
70°-80°	2651.0	14.4
80°-90°	310.3	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°	18448.0	100.0
0°-180°	18448.0	100.0

Coefficient of Utilization

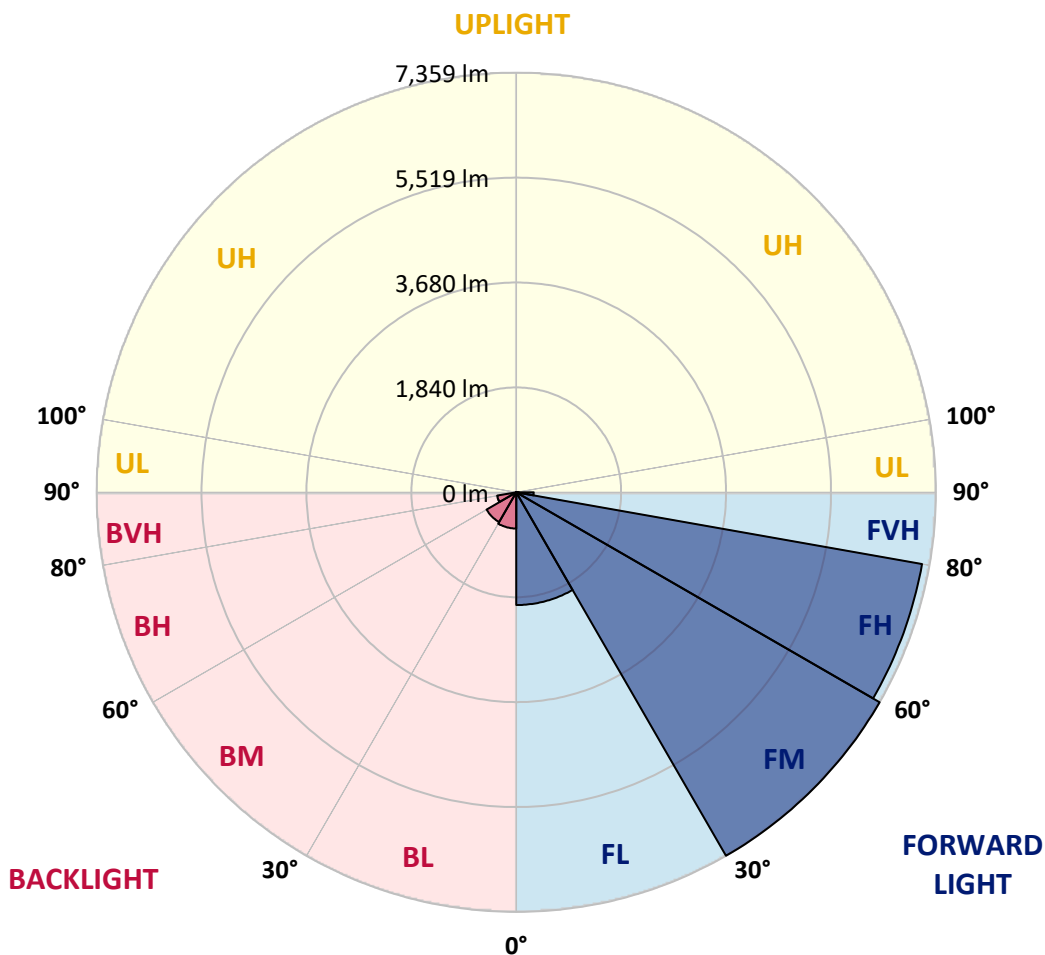


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1976.2	10.7			
FM (30°-60°)	7359.2	39.9			
FH (60°-80°)	7226.3	39.2			G3/7500
FVH (80°-90°)	307.6	1.7			G3/500
BL (0°-30°)	634.3	3.4	B2/1000		
BM (30°-60°)	602.3	3.3	B1/1000		
BH (60°-80°)	339.5	1.8	B1/500		G1/500
BVH (80°-90°)	2.7	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-G3
 Type III Medium





REPORT NUMBER: P323527

CATALOG NUMBER: GAN-SA3C-740-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	5449.5	5449.5	5449.5	5449.5	5449.5	5449.5	5449.5	5449.5	5449.5	5449.5	5449.5
2.5°	5901.3	5886.7	5881.3	5872.1	5836.8	5802.3	5734.0	5714.9	5671.9	5569.9	5461.7
5°	5905.9	5905.1	5921.2	5917.4	5905.1	5889.0	5839.9	5814.6	5741.7	5596.0	5398.1
7.5°	5621.3	5635.9	5671.9	5701.1	5734.8	5778.5	5784.7	5760.1	5700.3	5543.0	5280.7
10°	5239.3	5262.3	5312.9	5370.4	5458.7	5546.1	5624.3	5621.3	5600.6	5445.6	5139.5
12.5°	4856.5	4883.3	4941.6	5026.8	5151.8	5294.5	5434.1	5453.3	5487.8	5358.2	5009.1
15°	4521.3	4544.3	4601.8	4706.1	4861.1	5052.9	5257.7	5293.0	5381.9	5289.9	4900.2
17.5°	4236.7	4251.2	4293.4	4409.3	4588.8	4821.2	5087.4	5156.4	5289.1	5236.2	4805.9
20°	4038.0	4040.3	4067.9	4149.2	4328.7	4588.8	4911.0	5009.9	5190.9	5190.2	4708.4
22.5°	3939.8	3932.1	3937.5	3984.3	4116.2	4367.1	4734.5	4851.9	5102.7	5151.1	4609.5
25°	3921.4	3915.3	3899.9	3906.1	3985.8	4173.0	4556.6	4692.3	5025.2	5127.3	4523.6
27.5°	3978.9	3985.1	3959.0	3931.4	3937.5	4047.2	4398.5	4555.8	4962.3	5127.3	4463.0
30°	4094.8	4097.8	4078.7	4042.6	3994.3	4011.9	4288.8	4446.1	4930.9	5162.6	4424.6
32.5°	4222.9	4239.7	4237.4	4208.3	4139.3	4067.9	4262.8	4406.2	4928.6	5240.8	4420.8
35°	4381.7	4400.8	4433.0	4426.9	4354.8	4237.4	4351.7	4464.5	4973.9	5369.7	4462.2
37.5°	4550.4	4579.6	4648.6	4681.6	4634.8	4502.1	4551.2	4631.7	5095.1	5578.3	4567.3
40°	4713.8	4746.8	4872.6	5002.2	4966.9	4830.4	4853.4	4917.9	5310.6	5878.3	4766.7
42.5°	4874.1	4923.2	5108.1	5321.3	5363.5	5254.6	5266.9	5318.3	5630.5	6291.0	5092.8
45°	5065.9	5121.1	5395.0	5658.1	5770.9	5723.3	5775.5	5809.2	6048.6	6836.4	5532.3
47.5°	5347.4	5411.1	5747.1	6047.0	6244.9	6275.6	6380.7	6403.0	6577.1	7471.5	6105.3
50°	5896.7	5914.3	6218.1	6490.4	6775.8	6959.9	7079.5	7096.4	7216.8	8165.7	6821.0
52.5°	6587.8	6599.3	6771.2	6953.7	7278.2	7654.1	7934.1	7957.9	7983.2	8842.3	7527.5
55°	7274.4	7272.8	7386.4	7493.8	7865.0	8411.2	9018.8	9033.3	8851.5	9484.4	8067.6
57.5°	7703.2	7744.6	7917.2	8055.3	8573.8	9274.2	10117.2	10170.9	9763.6	9960.0	8601.5
60°	7566.6	7586.6	7969.4	8480.2	9456.8	10500.8	11228.8	11242.6	10449.4	10434.8	9276.5
62.5°	6446.7	6457.4	7058.8	8112.0	9904.0	12091.7	12569.6	12344.9	11238.0	11093.7	10084.2
65°	4418.5	4488.3	4990.7	6292.5	9082.4	13089.7	14645.4	14273.4	12440.0	12043.4	10814.5
67.5°	2602.0	2587.4	2836.0	3794.8	6670.7	12427.0	17271.2	16901.4	14079.3	12679.3	10600.5
70°	1777.4	1767.4	1862.5	2297.5	3765.7	9640.1	18097.3	18843.7	15526.8	12251.3	9123.1
72.5°	1268.8	1274.1	1414.5	1785.0	2364.2	5616.7	15562.8	17329.5	15073.4	10680.3	6934.6
75°	861.4	876.0	1077.0	1464.4	2072.7	2857.4	11043.9	13173.3	12274.3	7762.2	3985.8
77.5°	463.3	479.4	716.5	1179.8	1874.0	1985.2	7104.1	9066.3	7710.1	3489.5	1155.2
80°	193.3	202.5	335.2	857.6	1619.3	1743.6	4179.9	5497.8	3285.5	688.1	257.7
82.5°	83.6	88.2	139.6	511.7	1210.5	1472.1	2213.1	2644.9	995.7	151.1	129.6
85°	16.1	16.9	57.5	270.8	772.5	830.8	1434.5	1406.1	447.2	65.2	94.4
87.5°	0.0	0.0	13.8	85.1	227.1	452.6	875.3	864.5	151.9	31.5	35.3
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: P323527

CATALOG NUMBER: GAN-SA3C-740-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5449.5	5449.5	5449.5	5449.5	5449.5	5449.5	5449.5	5449.5	5449.5	5449.5	5449.5
2.5°	5406.5	5353.6	5242.3	5105.0	4999.9	4884.1	4792.1	4675.5	4624.8	4627.1	4599.5
5°	5285.3	5176.4	4930.1	4619.5	4380.1	4133.1	3920.6	3708.9	3583.9	3543.2	3504.9
7.5°	5111.9	4939.3	4546.6	4067.9	3662.9	3267.1	2922.6	2619.6	2427.9	2334.3	2299.8
10°	4916.3	4673.9	4105.5	3474.9	2896.6	2361.1	1914.7	1526.5	1371.6	1266.5	1239.6
12.5°	4744.5	4416.2	3674.4	2866.6	2180.1	1534.2	1108.5	866.8	761.7	720.3	713.4
15°	4582.6	4175.3	3259.4	2315.9	1509.6	944.3	705.0	622.9	598.3	591.4	591.4
17.5°	4430.0	3945.9	2853.6	1773.5	998.8	662.0	583.8	565.3	557.7	556.9	557.7
20°	4270.4	3716.6	2454.7	1299.5	697.3	560.7	539.3	529.3	527.0	527.0	527.0
22.5°	4117.8	3487.2	2066.6	928.2	559.2	511.7	500.9	494.0	491.7	490.9	489.4
25°	3971.3	3269.4	1687.6	655.9	490.9	468.7	459.5	450.3	443.4	439.5	437.2
27.5°	3850.8	3075.3	1334.7	526.2	443.4	424.2	412.7	398.9	382.0	374.3	371.3
30°	3754.9	2898.1	1028.7	444.1	398.9	379.7	362.1	338.3	313.7	300.7	299.9
32.5°	3679.8	2724.0	780.9	392.8	359.0	335.2	309.9	280.0	251.6	237.0	236.3
35°	3642.9	2570.5	596.8	355.2	323.7	293.8	262.3	229.4	201.7	187.9	186.4
37.5°	3667.5	2440.9	465.6	323.7	293.8	259.3	222.5	187.9	163.4	151.1	150.4
40°	3757.2	2358.1	378.2	296.9	268.5	226.3	186.4	154.2	133.5	123.5	122.7
42.5°	3948.2	2327.4	322.9	274.6	243.9	195.6	155.0	127.3	108.2	101.3	99.7
45°	4267.4	2372.6	285.4	253.1	218.6	166.5	128.1	104.3	87.4	82.1	81.3
47.5°	4692.3	2491.5	258.5	232.4	195.6	140.4	106.6	84.4	71.3	66.0	65.2
50°	5240.0	2680.2	236.3	211.7	174.1	118.9	88.2	66.7	55.2	51.4	51.4
52.5°	5836.1	2905.0	216.3	192.5	152.7	99.0	71.3	51.4	43.7	39.1	39.1
55°	6328.5	3101.4	194.8	178.0	126.6	82.1	54.5	39.1	32.2	29.9	29.9
57.5°	6820.3	3310.8	170.3	152.7	101.3	66.7	41.4	29.1	23.8	22.2	22.2
60°	7457.7	3567.0	146.5	124.3	79.8	50.6	30.7	20.7	17.6	16.9	16.9
62.5°	8158.8	3717.3	125.0	99.7	62.1	37.6	22.2	13.8	13.0	13.0	12.3
65°	8587.6	3504.9	105.1	79.8	48.3	28.4	14.6	10.0	11.5	10.7	9.2
67.5°	8040.7	2743.9	85.9	62.1	37.6	21.5	9.2	6.9	12.3	10.0	7.7
70°	6657.6	1920.8	66.7	43.7	29.9	18.4	6.1	4.6	13.0	10.0	6.1
72.5°	4982.3	1285.7	52.9	29.1	22.2	16.1	5.4	2.3	11.5	8.4	5.4
75°	2722.4	517.8	42.2	18.4	13.8	11.5	3.8	1.5	7.7	6.1	3.8
77.5°	716.5	136.5	30.7	12.3	7.7	4.6	2.3	0.8	3.8	3.1	1.5
80°	182.6	52.9	19.9	8.4	5.4	2.3	0.0	0.0	0.8	0.0	0.0
82.5°	97.4	22.2	12.3	6.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	73.6	14.6	6.9	3.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	28.4	4.6	2.3	0.0	0.0	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)