

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: P323490

Luminaire Tested: **GAN-SA6C-730-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323490
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-SA6C-730-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 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: 32913 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

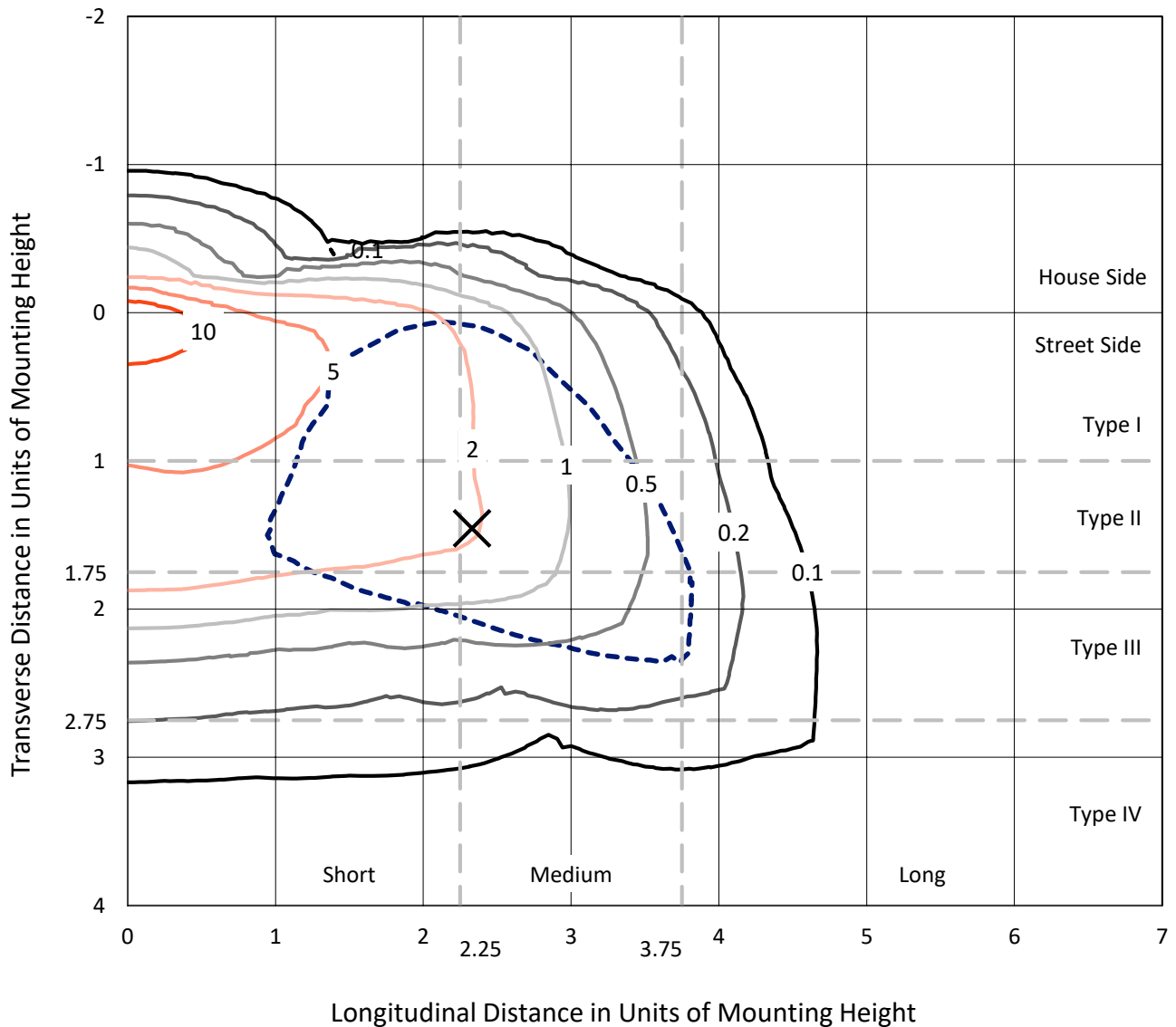
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

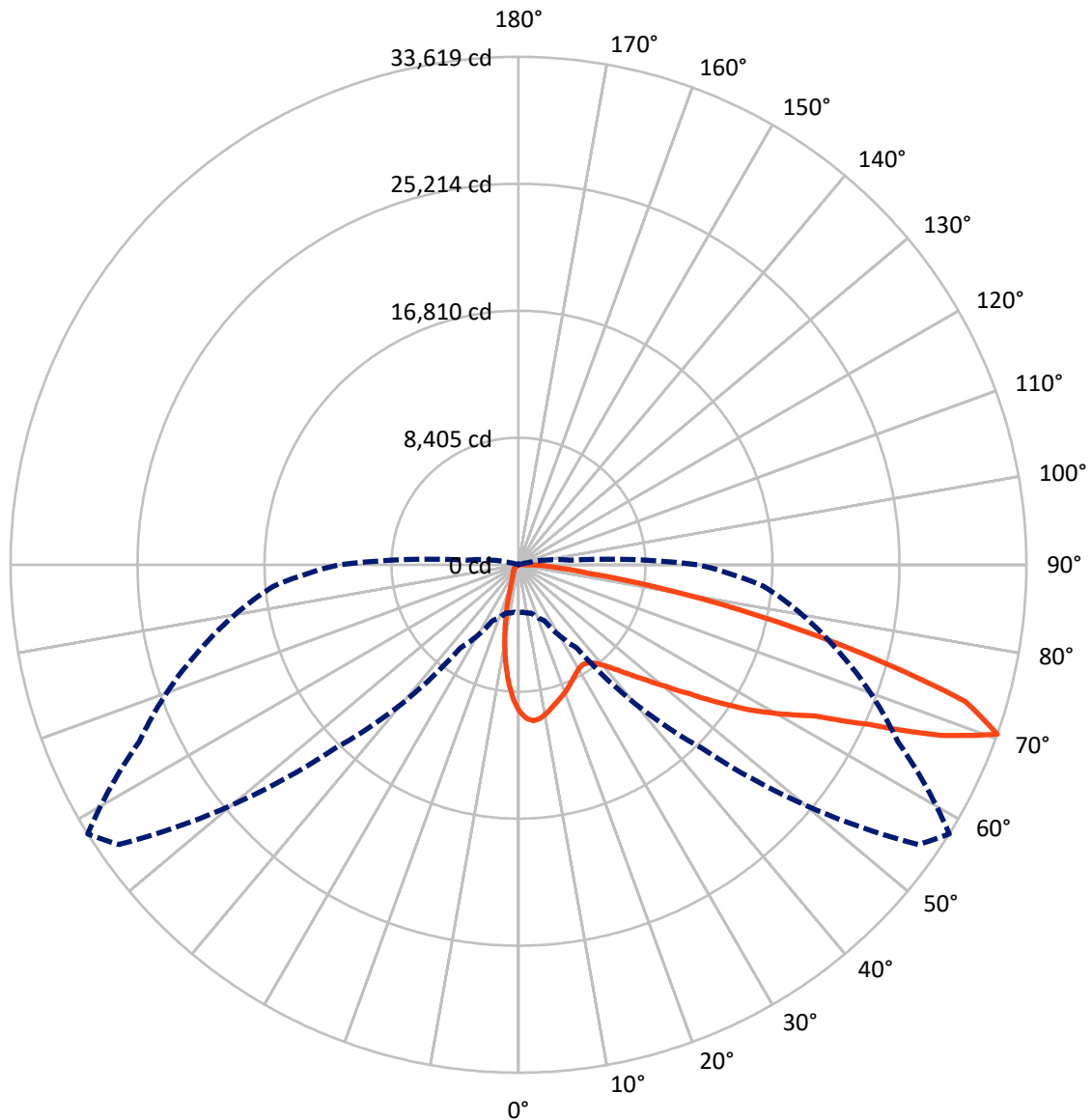
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.8 fc
 Type III - Medium - N/A

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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	2816.6	0.0	2816.6
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	30096.4	0.0	30096.4
	% Fixture	91.4	0.0	91.4
Total	Lumens	32913.0	0.0	32913.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	795.0	2.4
10°-20°	1668.6	5.1
20°-30°	2193.6	6.7
30°-40°	2905.2	8.8
40°-50°	4342.4	13.2
50°-60°	6956.4	21.1
60°-70°	8768.4	26.6
70°-80°	4729.7	14.4
80°-90°	553.6	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°	32913.0	100.0
0°-180°	32913.0	100.0

Coefficient of Utilization

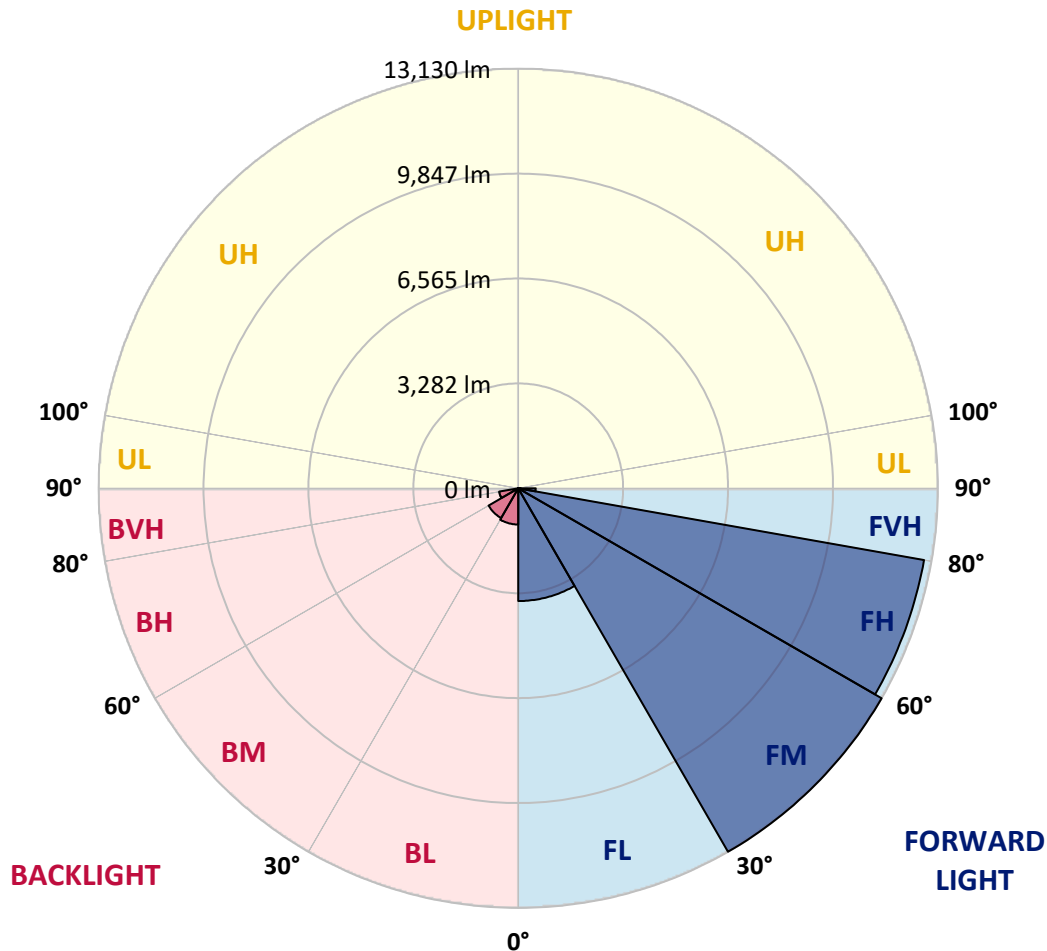


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3525.7	10.7			
FM (30°-60°)	13129.5	39.9			
FH (60°-80°)	12892.4	39.2			G5
FVH (80°-90°)	548.8	1.7			G4/750
BL (0°-30°)	1131.6	3.4	B3/2500		
BM (30°-60°)	1074.5	3.3	B2/2500		
BH (60°-80°)	605.7	1.8	B2/1000		G2/1000
BVH (80°-90°)	4.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	9722.3	9722.3	9722.3	9722.3	9722.3	9722.3	9722.3	9722.3	9722.3	9722.3	9722.3
2.5°	10528.4	10502.4	10492.9	10476.4	10413.5	10351.9	10230.1	10195.9	10119.2	9937.2	9744.2
5°	10536.6	10535.3	10564.0	10557.2	10535.3	10506.5	10418.9	10373.8	10243.8	9983.7	9630.7
7.5°	10028.9	10054.9	10119.2	10171.2	10231.5	10309.5	10320.4	10276.6	10169.9	9889.3	9421.3
10°	9347.4	9388.4	9478.7	9581.4	9738.8	9894.8	10034.4	10028.9	9992.0	9715.5	9169.4
12.5°	8664.4	8712.3	8816.3	8968.3	9191.3	9445.9	9695.0	9729.2	9790.8	9559.5	8936.8
15°	8066.4	8107.4	8210.1	8396.2	8672.6	9014.8	9380.2	9443.2	9601.9	9437.7	8742.4
17.5°	7558.6	7584.6	7659.9	7866.6	8186.8	8601.5	9076.4	9199.5	9436.3	9341.9	8574.1
20°	7204.2	7208.3	7257.5	7402.6	7722.9	8186.8	8761.6	8938.2	9261.1	9259.8	8400.3
22.5°	7029.0	7015.3	7024.9	7108.4	7343.8	7791.3	8446.8	8656.2	9103.7	9190.0	8223.8
25°	6996.1	6985.2	6957.8	6968.8	7111.1	7445.0	8129.3	8371.6	8965.5	9147.5	8070.5
27.5°	7098.8	7109.7	7063.2	7013.9	7024.9	7220.6	7847.4	8128.0	8853.3	9147.5	7962.4
30°	7305.4	7310.9	7276.7	7212.4	7126.2	7157.6	7651.7	7932.3	8797.2	9210.5	7893.9
32.5°	7534.0	7564.1	7560.0	7508.0	7384.8	7257.5	7605.2	7861.1	8793.1	9350.1	7887.1
35°	7817.3	7851.5	7909.0	7898.0	7769.4	7560.0	7763.9	7965.1	8873.8	9580.0	7961.0
37.5°	8118.4	8170.4	8293.6	8352.4	8268.9	8032.2	8119.7	8263.4	9090.1	9952.3	8148.5
40°	8409.9	8468.7	8693.2	8924.5	8861.5	8617.9	8659.0	8773.9	9474.6	10487.4	8504.3
42.5°	8695.9	8783.5	9113.3	9493.8	9569.1	9374.7	9396.6	9488.3	10045.3	11223.7	9086.0
45°	9038.1	9136.6	9625.2	10094.6	10295.8	10210.9	10304.0	10364.2	10791.2	12196.7	9870.2
47.5°	9540.3	9653.9	10253.4	10788.5	11141.6	11196.3	11383.8	11423.5	11734.1	13329.9	10892.5
50°	10520.2	10551.7	11093.7	11579.5	12088.6	12417.1	12630.6	12660.7	12875.5	14568.5	12169.4
52.5°	11753.3	11773.8	12080.4	12406.1	12985.0	13655.6	14155.2	14197.6	14242.7	15775.5	13429.8
55°	12978.2	12975.4	13178.0	13369.6	14032.0	15006.4	16090.3	16116.3	15792.0	16921.0	14393.3
57.5°	13743.2	13817.1	14125.0	14371.4	15296.5	16546.1	18050.1	18145.9	17419.2	17769.6	15345.8
60°	13499.6	13535.2	14218.1	15129.6	16871.8	18734.4	20033.2	20057.8	18642.7	18616.7	16550.2
62.5°	11501.5	11520.6	12593.6	14472.7	17669.6	21572.8	22425.4	22024.4	20049.6	19792.3	17991.3
65°	7883.0	8007.5	8903.9	11226.4	16203.9	23353.3	26128.8	25465.0	22194.2	21486.6	19294.1
67.5°	4642.2	4616.2	5059.6	6770.3	11901.1	22170.9	30813.4	30153.8	25118.8	22621.1	18912.3
70°	3171.0	3153.2	3322.9	4098.9	6718.3	17198.9	32287.4	33619.0	27701.3	21857.5	16276.4
72.5°	2263.6	2273.2	2523.6	3184.7	4217.9	10020.7	27765.6	30917.4	26892.5	19054.6	12371.9
75°	1536.9	1562.9	1921.5	2612.6	3697.9	5097.9	19703.3	23502.5	21898.5	13848.6	7111.1
77.5°	826.6	855.4	1278.2	2104.9	3343.4	3541.9	12674.4	16175.2	13755.5	6225.6	2061.1
80°	344.9	361.3	598.1	1530.1	2889.1	3110.8	7457.4	9808.6	5861.6	1227.6	459.8
82.5°	149.2	157.4	249.1	912.8	2159.6	2626.3	3948.3	4718.8	1776.4	269.6	231.3
85°	28.7	30.1	102.6	483.1	1378.2	1482.2	2559.2	2508.6	797.9	116.3	168.3
87.5°	0.0	0.0	24.6	151.9	405.1	807.5	1561.5	1542.4	271.0	56.1	63.0
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°	9722.3	9722.3	9722.3	9722.3	9722.3	9722.3	9722.3	9722.3	9722.3	9722.3	9722.3
2.5°	9645.7	9551.3	9352.8	9107.9	8920.4	8713.7	8549.5	8341.5	8251.1	8255.2	8206.0
5°	9429.5	9235.1	8795.8	8241.5	7814.6	7373.9	6994.8	6617.1	6394.0	6321.4	6253.0
7.5°	9120.2	8812.2	8111.5	7257.5	6534.9	5828.8	5214.3	4673.7	4331.5	4164.6	4103.0
10°	8771.2	8338.7	7324.6	6199.6	5167.7	4212.5	3416.0	2723.5	2447.0	2259.5	2211.6
12.5°	8464.6	7878.9	6555.5	5114.4	3889.5	2737.1	1977.6	1546.5	1359.0	1285.1	1272.8
15°	8175.9	7449.1	5815.1	4131.7	2693.4	1684.7	1257.7	1111.3	1067.5	1055.2	1055.2
17.5°	7903.5	7039.9	5091.1	3164.1	1781.9	1181.1	1041.5	1008.6	995.0	993.6	995.0
20°	7618.8	6630.7	4379.4	2318.4	1244.0	1000.4	962.1	944.3	940.2	940.2	940.2
22.5°	7346.5	6221.5	3686.9	1656.0	997.7	912.8	893.7	881.4	877.3	875.9	873.1
25°	7085.1	5832.9	3010.9	1170.1	875.9	836.2	819.8	803.4	791.0	784.2	780.1
27.5°	6870.2	5486.6	2381.3	938.8	791.0	756.8	736.3	711.7	681.5	667.9	662.4
30°	6699.2	5170.5	1835.3	792.4	711.7	677.4	646.0	603.5	559.7	536.5	535.1
32.5°	6565.0	4859.8	1393.2	700.7	640.5	598.1	552.9	499.5	448.9	422.9	421.5
35°	6499.4	4586.1	1064.7	633.6	577.5	524.2	468.1	409.2	359.9	335.3	332.6
37.5°	6543.1	4354.8	830.7	577.5	524.2	462.6	396.9	335.3	291.5	269.6	268.2
40°	6703.3	4207.0	674.7	529.6	479.0	403.7	332.6	275.1	238.1	220.3	219.0
42.5°	7044.0	4152.3	576.2	489.9	435.2	349.0	276.5	227.2	193.0	180.7	177.9
45°	7613.4	4233.0	509.1	451.6	390.0	297.0	228.6	186.1	156.0	146.4	145.1
47.5°	8371.6	4445.1	461.2	414.7	349.0	250.4	190.2	150.5	127.3	117.7	116.3
50°	9348.7	4781.8	421.5	377.7	310.7	212.1	157.4	119.1	98.5	91.7	91.7
52.5°	10412.1	5182.8	385.9	343.5	272.3	176.5	127.3	91.7	78.0	69.8	69.8
55°	11290.7	5533.1	347.6	317.5	225.8	146.4	97.2	69.8	57.5	53.4	53.4
57.5°	12168.0	5906.8	303.8	272.3	180.7	119.1	73.9	52.0	42.4	39.7	39.7
60°	13305.3	6363.9	261.4	221.7	142.3	90.3	54.7	37.0	31.5	30.1	30.1
62.5°	14556.1	6632.1	223.1	177.9	110.9	67.1	39.7	24.6	23.3	23.3	21.9
65°	15321.2	6253.0	187.5	142.3	86.2	50.6	26.0	17.8	20.5	19.2	16.4
67.5°	14345.4	4895.4	153.3	110.9	67.1	38.3	16.4	12.3	21.9	17.8	13.7
70°	11877.8	3426.9	119.1	78.0	53.4	32.8	10.9	8.2	23.3	17.8	10.9
72.5°	8888.9	2293.7	94.4	52.0	39.7	28.7	9.6	4.1	20.5	15.1	9.6
75°	4857.1	923.8	75.3	32.8	24.6	20.5	6.8	2.7	13.7	10.9	6.8
77.5°	1278.2	243.6	54.7	21.9	13.7	8.2	4.1	1.4	6.8	5.5	2.7
80°	325.7	94.4	35.6	15.1	9.6	4.1	0.0	0.0	1.4	0.0	0.0
82.5°	173.8	39.7	21.9	10.9	5.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	131.4	26.0	12.3	6.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	50.6	8.2	4.1	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)