

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: P323477

Luminaire Tested: **GAN-SA3B-730-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323477
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-SA3B-730-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 800mA 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: 13574 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

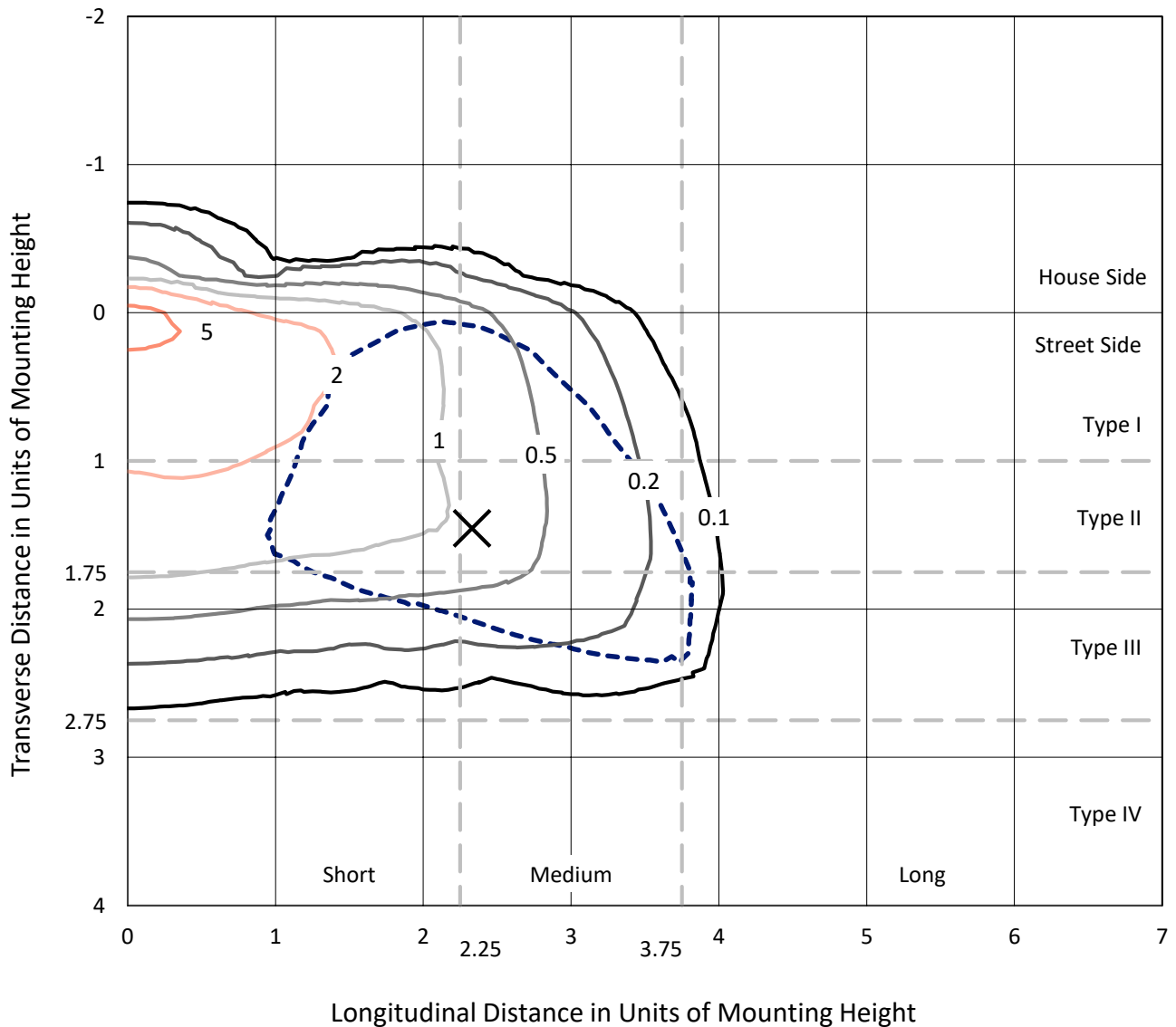
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

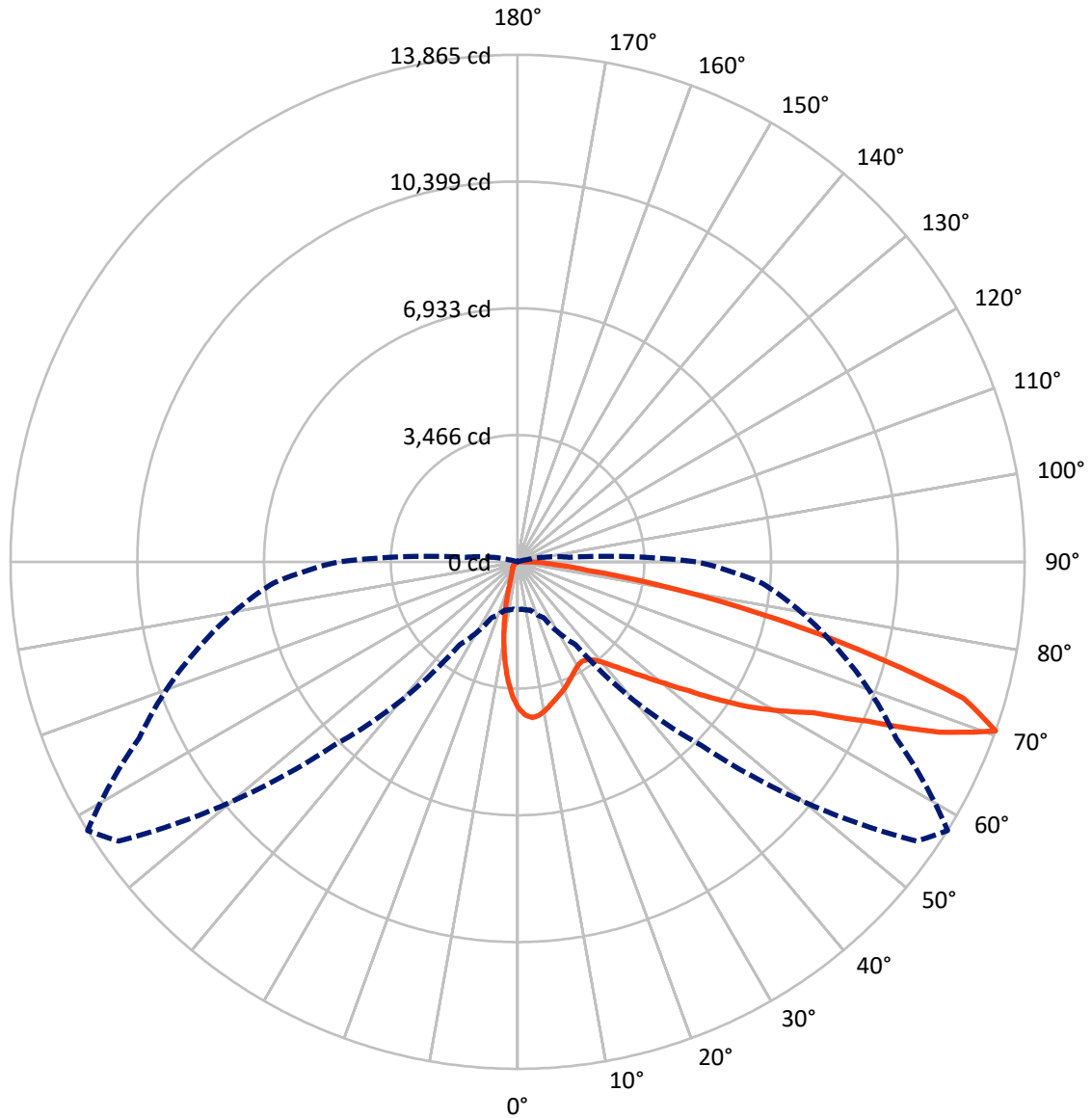
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	1161.6	0.0	1161.6
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	12412.4	0.0	12412.4
	% Fixture	91.4	0.0	91.4
Total	Lumens	13574.0	0.0	13574.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.9	2.4
10°-20°	688.2	5.1
20°-30°	904.7	6.7
30°-40°	1198.2	8.8
40°-50°	1790.9	13.2
50°-60°	2869.0	21.1
60°-70°	3616.3	26.6
70°-80°	1950.6	14.4
80°-90°	228.3	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°	13574.0	100.0
0°-180°	13574.0	100.0

Coefficient of Utilization

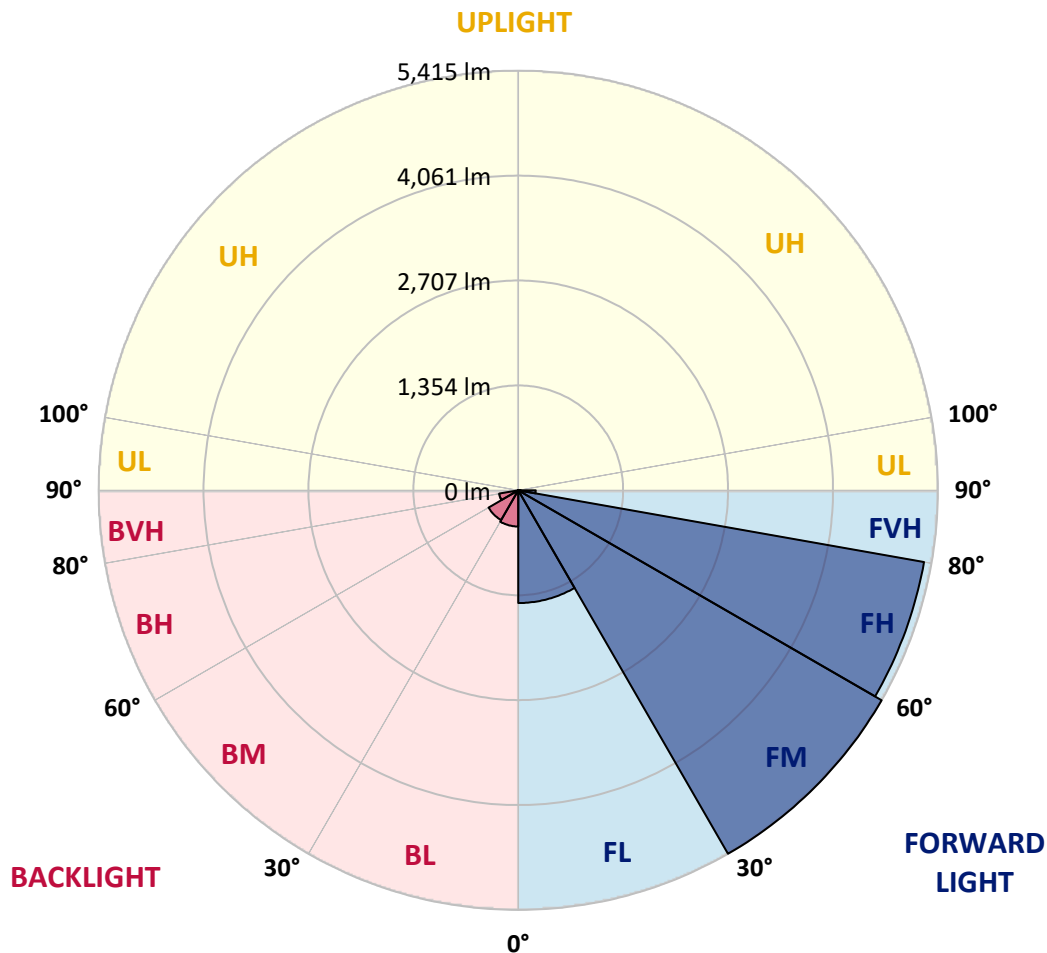


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1454.1	10.7			
FM (30°-60°)	5414.9	39.9			
FH (60°-80°)	5317.1	39.2			G3/7500
FVH (80°-90°)	226.4	1.7			G3/500
BL (0°-30°)	466.7	3.4	B1/500		
BM (30°-60°)	443.2	3.3	B1/1000		
BH (60°-80°)	249.8	1.8	B1/500		G1/500
BVH (80°-90°)	2.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4009.7	4009.7	4009.7	4009.7	4009.7	4009.7	4009.7	4009.7	4009.7	4009.7	4009.7
2.5°	4342.1	4331.4	4327.5	4320.7	4294.7	4269.3	4219.1	4205.0	4173.4	4098.3	4018.7
5°	4345.5	4345.0	4356.8	4354.0	4345.0	4333.1	4297.0	4278.4	4224.7	4117.5	3971.9
7.5°	4136.1	4146.9	4173.4	4194.8	4219.7	4251.8	4256.4	4238.3	4194.3	4078.6	3885.5
10°	3855.0	3872.0	3909.2	3951.6	4016.5	4080.8	4138.4	4136.1	4120.9	4006.9	3781.7
12.5°	3573.4	3593.1	3636.0	3698.7	3790.7	3895.7	3998.4	4012.5	4037.9	3942.5	3685.7
15°	3326.7	3343.7	3386.0	3462.8	3576.8	3717.9	3868.6	3894.6	3960.0	3892.3	3605.6
17.5°	3117.3	3128.1	3159.1	3244.3	3376.4	3547.4	3743.3	3794.1	3891.7	3852.8	3536.1
20°	2971.1	2972.8	2993.2	3053.0	3185.1	3376.4	3613.5	3686.3	3819.5	3818.9	3464.5
22.5°	2898.9	2893.3	2897.2	2931.6	3028.7	3213.3	3483.6	3570.0	3754.6	3790.1	3391.6
25°	2885.4	2880.8	2869.6	2874.1	2932.8	3070.5	3352.7	3452.6	3697.6	3772.6	3328.4
27.5°	2927.7	2932.2	2913.0	2892.7	2897.2	2977.9	3236.4	3352.1	3651.3	3772.6	3283.8
30°	3012.9	3015.2	3001.1	2974.5	2939.0	2952.0	3155.7	3271.4	3628.1	3798.6	3255.6
32.5°	3107.2	3119.6	3117.9	3096.5	3045.7	2993.2	3136.5	3242.1	3626.4	3856.2	3252.8
35°	3224.0	3238.1	3261.8	3257.3	3204.3	3117.9	3202.0	3285.0	3659.8	3951.0	3283.3
37.5°	3348.2	3369.6	3420.4	3444.7	3410.3	3312.6	3348.8	3408.0	3748.9	4104.5	3360.6
40°	3468.4	3492.7	3585.2	3680.6	3654.7	3554.2	3571.1	3618.5	3907.5	4325.2	3507.4
42.5°	3586.4	3622.5	3758.5	3915.4	3946.5	3866.3	3875.4	3913.2	4142.9	4628.9	3747.2
45°	3727.5	3768.1	3969.6	4163.2	4246.2	4211.2	4249.6	4274.4	4450.5	5030.2	4070.7
47.5°	3934.6	3981.5	4228.7	4449.4	4595.0	4617.6	4694.9	4711.3	4839.4	5497.5	4492.3
50°	4338.8	4351.7	4575.3	4775.6	4985.6	5121.1	5209.1	5221.5	5310.1	6008.3	5018.9
52.5°	4847.3	4855.8	4982.2	5116.5	5355.3	5631.9	5837.9	5855.4	5874.0	6506.2	5538.7
55°	5352.5	5351.3	5434.9	5513.9	5787.1	6189.0	6636.0	6646.7	6512.9	6978.6	5936.1
57.5°	5668.0	5698.5	5825.5	5927.1	6308.6	6823.9	7444.2	7483.7	7184.0	7328.5	6328.9
60°	5567.5	5582.2	5863.8	6239.7	6958.3	7726.5	8262.1	8272.3	7688.6	7677.9	6825.6
62.5°	4743.5	4751.4	5193.9	5968.8	7287.3	8897.1	9248.7	9083.3	8268.9	8162.8	7420.0
65°	3251.1	3302.5	3672.2	4630.0	6682.8	9631.4	10776.1	10502.3	9153.3	8861.5	7957.3
67.5°	1914.5	1903.8	2086.7	2792.2	4908.3	9143.7	12708.1	12436.0	10359.5	9329.4	7799.8
70°	1307.8	1300.4	1370.4	1690.5	2770.8	7093.2	13316.0	13865.2	11424.6	9014.5	6712.7
72.5°	933.6	937.5	1040.8	1313.4	1739.6	4132.7	11451.1	12751.0	11091.0	7858.5	5102.4
75°	633.9	644.6	792.5	1077.5	1525.1	2102.5	8126.1	9692.9	9031.4	5711.4	2932.8
77.5°	340.9	352.8	527.2	868.1	1378.9	1460.7	5227.2	6671.0	5673.1	2567.6	850.0
80°	142.2	149.0	246.7	631.0	1191.5	1282.9	3075.6	4045.3	2417.4	506.3	189.6
82.5°	61.5	64.9	102.7	376.5	890.7	1083.1	1628.4	1946.1	732.6	111.2	95.4
85°	11.9	12.4	42.3	199.2	568.4	611.3	1055.5	1034.6	329.1	48.0	69.4
87.5°	0.0	0.0	10.2	62.7	167.1	333.0	644.0	636.1	111.8	23.1	26.0
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°	4009.7	4009.7	4009.7	4009.7	4009.7	4009.7	4009.7	4009.7	4009.7	4009.7	4009.7
2.5°	3978.1	3939.1	3857.3	3756.3	3678.9	3593.7	3526.0	3440.2	3402.9	3404.6	3384.3
5°	3888.9	3808.8	3627.6	3399.0	3222.9	3041.1	2884.8	2729.0	2637.0	2607.1	2578.9
7.5°	3761.3	3634.4	3345.4	2993.2	2695.1	2403.9	2150.5	1927.5	1786.4	1717.6	1692.2
10°	3617.4	3439.1	3020.8	2556.9	2131.3	1737.3	1408.8	1123.2	1009.2	931.9	912.1
12.5°	3491.0	3249.4	2703.6	2109.3	1604.1	1128.9	815.6	637.8	560.5	530.0	524.9
15°	3371.9	3072.2	2398.3	1704.0	1110.8	694.8	518.7	458.3	440.3	435.2	435.2
17.5°	3259.6	2903.4	2099.7	1305.0	734.9	487.1	429.5	416.0	410.3	409.8	410.3
20°	3142.2	2734.7	1806.2	956.1	513.1	412.6	396.8	389.5	387.8	387.8	387.8
22.5°	3029.8	2565.9	1520.6	683.0	411.5	376.5	368.6	363.5	361.8	361.2	360.1
25°	2922.0	2405.6	1241.7	482.6	361.2	344.9	338.1	331.3	326.2	323.4	321.7
27.5°	2833.4	2262.8	982.1	387.2	326.2	312.1	303.7	293.5	281.1	275.4	273.2
30°	2762.9	2132.4	756.9	326.8	293.5	279.4	266.4	248.9	230.9	221.3	220.7
32.5°	2707.6	2004.3	574.6	289.0	264.2	246.7	228.0	206.0	185.1	174.4	173.8
35°	2680.5	1891.4	439.1	261.3	238.2	216.2	193.0	168.8	148.4	138.3	137.2
37.5°	2698.5	1796.0	342.6	238.2	216.2	190.8	163.7	138.3	120.2	111.2	110.6
40°	2764.6	1735.1	278.3	218.4	197.5	166.5	137.2	113.4	98.2	90.9	90.3
42.5°	2905.1	1712.5	237.6	202.1	179.5	143.9	114.0	93.7	79.6	74.5	73.4
45°	3139.9	1745.8	210.0	186.3	160.9	122.5	94.3	76.8	64.3	60.4	59.8
47.5°	3452.6	1833.3	190.2	171.0	143.9	103.3	78.5	62.1	52.5	48.5	48.0
50°	3855.6	1972.1	173.8	155.8	128.1	87.5	64.9	49.1	40.6	37.8	37.8
52.5°	4294.2	2137.5	159.2	141.7	112.3	72.8	52.5	37.8	32.2	28.8	28.8
55°	4656.5	2282.0	143.4	130.9	93.1	60.4	40.1	28.8	23.7	22.0	22.0
57.5°	5018.3	2436.1	125.3	112.3	74.5	49.1	30.5	21.4	17.5	16.4	16.4
60°	5487.4	2624.6	107.8	91.4	58.7	37.3	22.6	15.2	13.0	12.4	12.4
62.5°	6003.3	2735.2	92.0	73.4	45.7	27.7	16.4	10.2	9.6	9.6	9.0
65°	6318.8	2578.9	77.3	58.7	35.6	20.9	10.7	7.3	8.5	7.9	6.8
67.5°	5916.3	2019.0	63.2	45.7	27.7	15.8	6.8	5.1	9.0	7.3	5.6
70°	4898.7	1413.3	49.1	32.2	22.0	13.5	4.5	3.4	9.6	7.3	4.5
72.5°	3666.0	946.0	38.9	21.4	16.4	11.9	4.0	1.7	8.5	6.2	4.0
75°	2003.2	381.0	31.0	13.5	10.2	8.5	2.8	1.1	5.6	4.5	2.8
77.5°	527.2	100.5	22.6	9.0	5.6	3.4	1.7	0.6	2.8	2.3	1.1
80°	134.3	38.9	14.7	6.2	4.0	1.7	0.0	0.0	0.6	0.0	0.0
82.5°	71.7	16.4	9.0	4.5	2.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	54.2	10.7	5.1	2.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	20.9	3.4	1.7	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)