

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: McGRAW-EDISON

Report Number: P530701

Luminaire Tested: **GALN-SA6A-722-U-SL2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530701
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-17)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-722-U-SL2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11636 lumens
Efficiency: N/A
Efficacy: 63.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

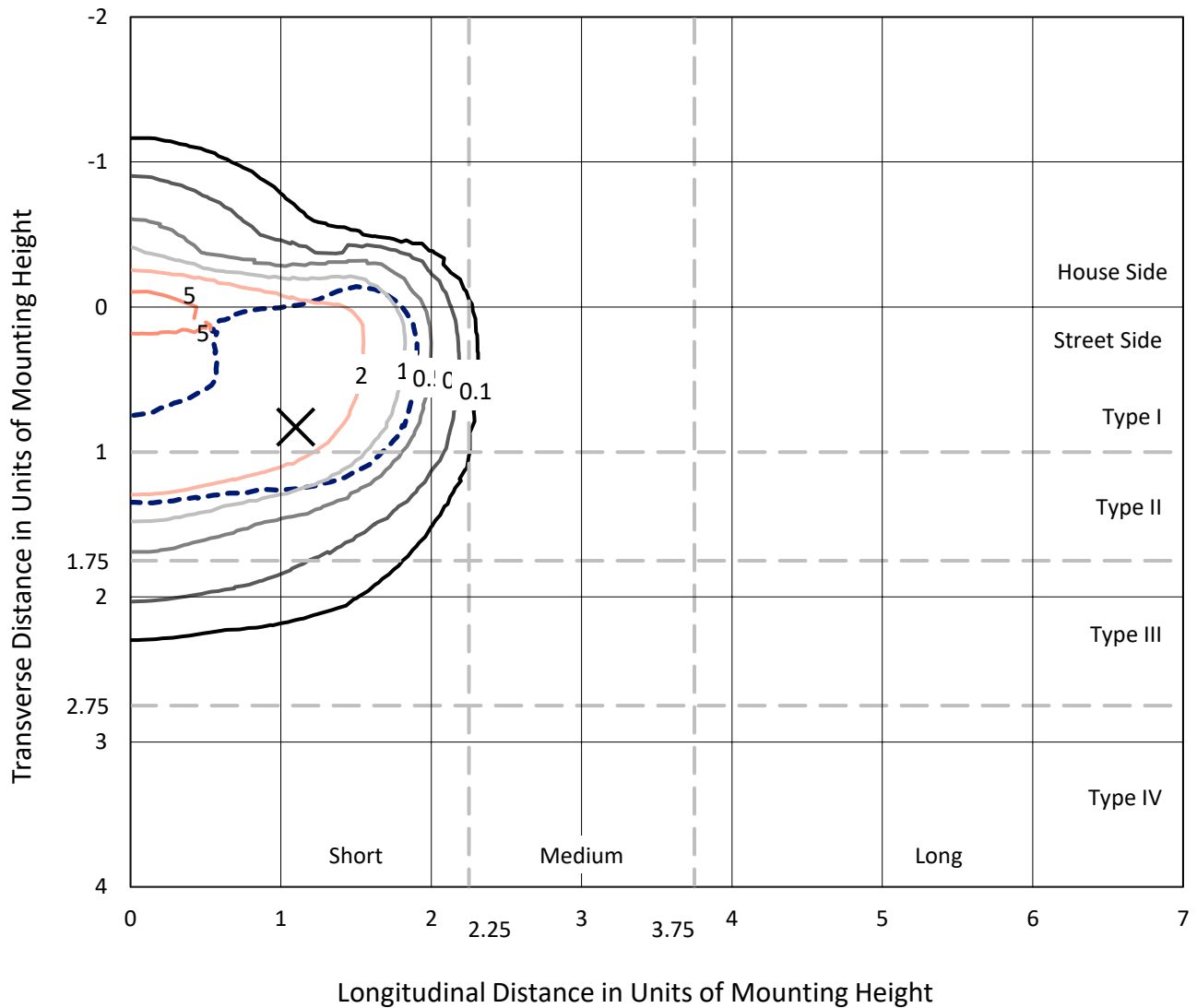
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

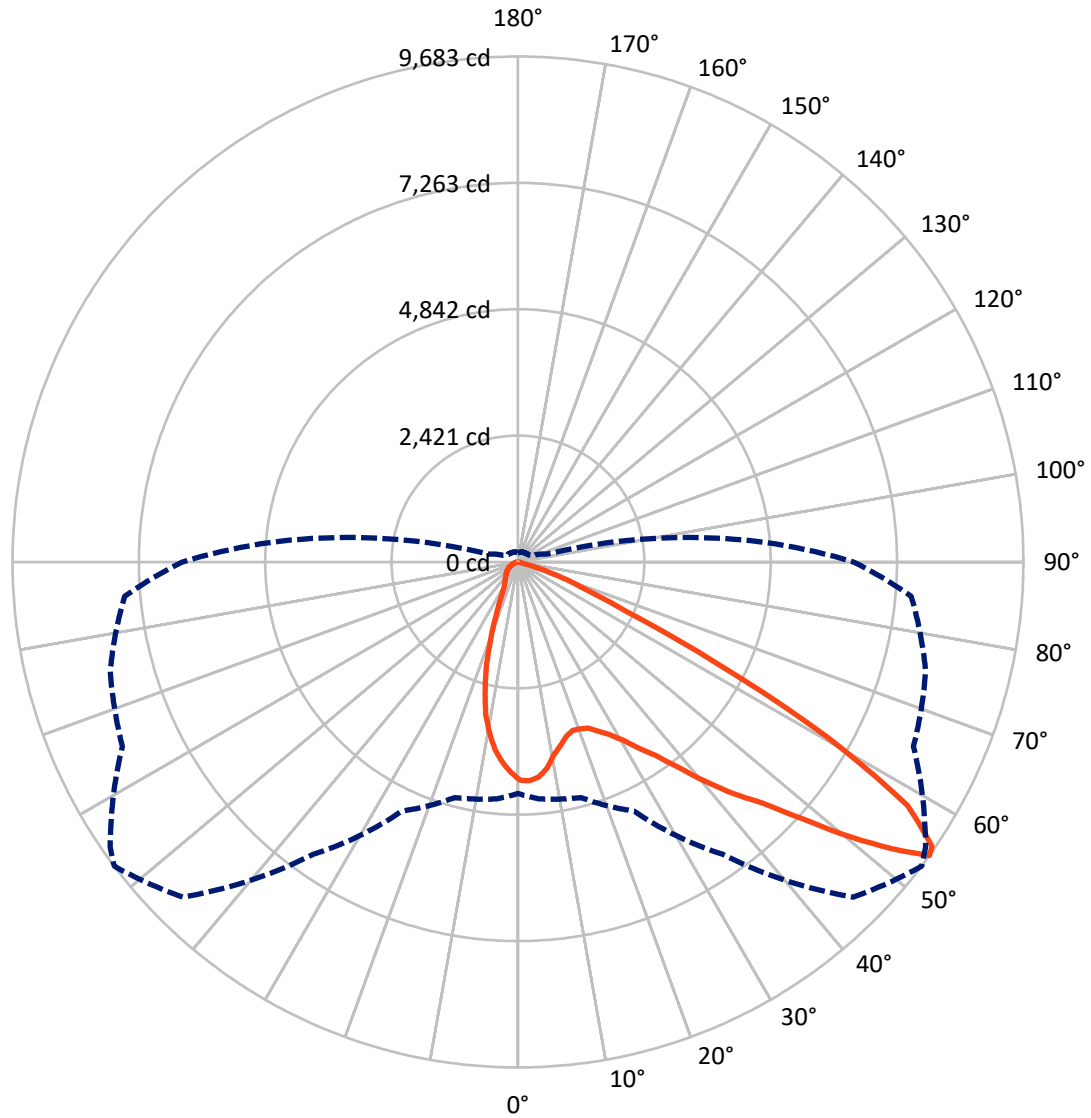
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1925.2	0.0	1925.2
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	9710.8	0.0	9710.8
	% Fixture	83.5	0.0	83.5
Total	Lumens	11636.0	0.0	11636.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.6	3.1
10°-20°	822.1	7.1
20°-30°	1168.4	10.0
30°-40°	1803.2	15.5
40°-50°	2827.2	24.3
50°-60°	3284.2	28.2
60°-70°	1241.0	10.7
70°-80°	118.0	1.0
80°-90°	13.3	0.1
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°	11636.0	100.0
0°-180°	11636.0	100.0

Coefficient of Utilization



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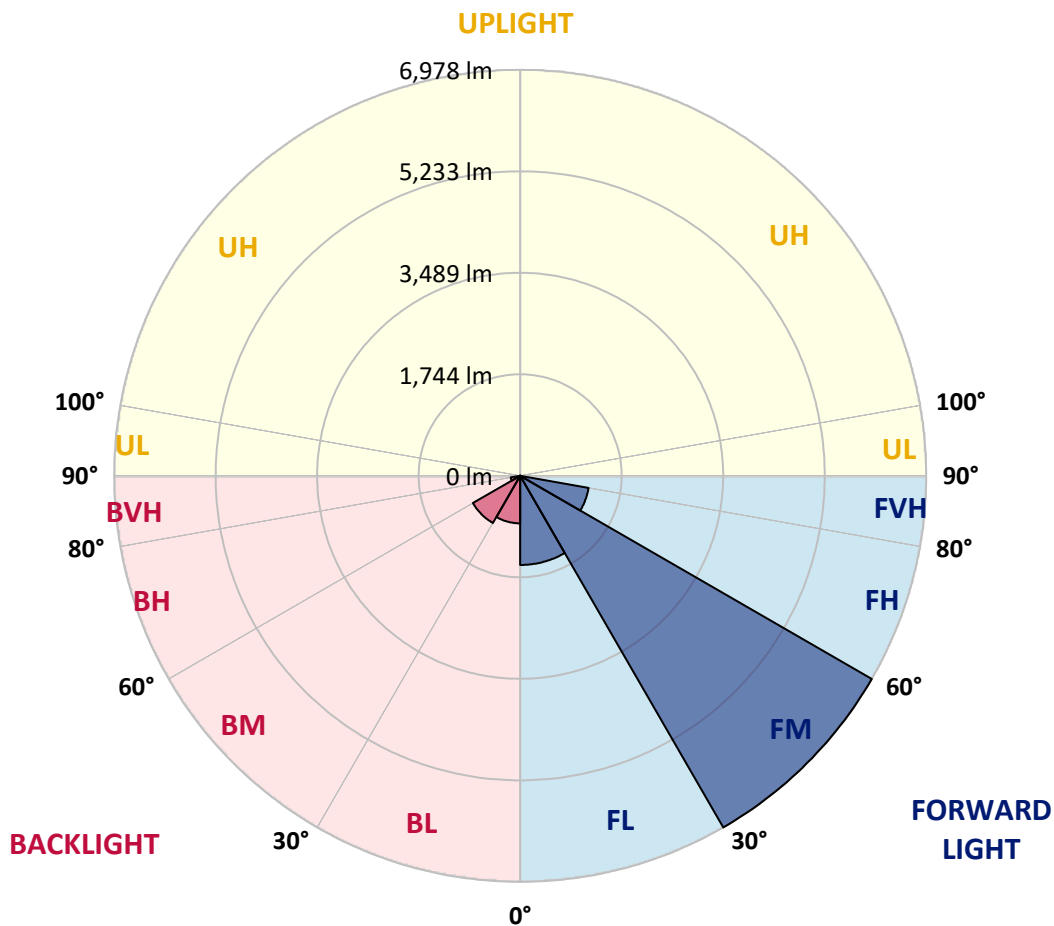
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1532.2	13.2			
FM (30°-60°)	6977.7	60.0			
FH (60°-80°)	1194.0	10.3			G1/1800
FVH (80°-90°)	6.9	0.1			G0/10
BL (0°-30°)	817.0	7.0	B2/1000		
BM (30°-60°)	936.9	8.1	B1/1000		
BH (60°-80°)	164.9	1.4	B1/500		G1/500
BVH (80°-90°)	6.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	4179.5	4179.5	4179.5	4179.5	4179.5	4179.5	4179.5	4179.5	4179.5	4179.5	4179.5
2.5°	4157.8	4120.9	4157.8	4162.1	4188.1	4212.0	4196.8	4231.5	4212.0	4190.3	4183.8
5°	3821.8	3871.6	3873.8	3951.8	3934.5	4077.6	4140.4	4123.1	4229.3	4222.8	4207.6
7.5°	3520.5	3500.9	3527.0	3618.0	3732.9	3897.6	3988.7	3986.5	4138.3	4246.7	4235.8
10°	3240.8	3238.6	3292.8	3364.4	3461.9	3635.3	3761.1	3823.9	4060.2	4225.0	4248.8
12.5°	3052.2	3043.5	3102.1	3160.6	3314.5	3448.9	3609.3	3639.7	3910.7	4149.1	4188.1
15°	2928.7	2948.2	2952.5	3065.2	3162.8	3340.5	3466.3	3529.1	3841.3	4088.4	4238.0
17.5°	2907.0	2933.0	2935.2	3028.4	3132.4	3282.0	3392.6	3477.1	3782.8	4118.8	4240.2
20°	2950.3	2935.2	2948.2	3006.7	3108.6	3251.7	3412.1	3440.2	3763.2	4133.9	4264.0
22.5°	3073.9	3069.6	3037.0	3084.7	3156.3	3305.8	3457.6	3500.9	3819.6	4212.0	4283.5
25°	3210.5	3234.3	3204.0	3197.5	3247.3	3394.7	3596.3	3652.7	4008.2	4352.9	4344.2
27.5°	3466.3	3442.4	3442.4	3412.1	3399.1	3470.6	3745.9	3839.1	4218.5	4535.0	4413.6
30°	3711.2	3737.2	3717.7	3728.6	3641.8	3635.3	3958.3	4073.2	4591.3	4812.4	4561.0
32.5°	4099.2	4064.6	4097.1	4068.9	3954.0	3836.9	4246.7	4365.9	5042.2	5131.1	4782.1
35°	4422.2	4407.1	4545.8	4541.5	4355.0	4240.2	4552.3	4730.1	5356.6	5512.6	5042.2
37.5°	4881.8	4853.6	5011.9	5087.7	4920.8	4749.6	4990.2	5196.1	5649.2	5818.3	5308.9
40°	5354.4	5425.9	5638.4	5764.1	5586.3	5358.7	5525.6	5588.5	5844.3	6017.7	5491.0
42.5°	5952.7	6056.7	6273.5	6381.9	6366.7	6119.6	6069.7	6067.6	5985.2	5961.4	5625.4
45°	6527.1	6488.1	6822.0	7058.2	7249.0	7177.5	6594.3	6529.3	6208.5	6045.9	5660.0
47.5°	6778.6	6765.6	6993.2	7413.8	8064.1	8153.0	7357.4	7105.9	6585.7	6401.4	5848.6
50°	6453.4	6520.6	6746.1	7212.2	8209.3	8887.8	8293.9	7955.7	7025.7	6835.0	6295.2
52.5°	5391.2	5436.8	5651.4	6243.2	7715.1	9321.4	9191.3	8996.2	7834.3	7517.8	7073.4
54°	4433.1	4554.5	4671.5	5265.5	6835.0	9080.8	9683.4	9533.8	8361.1	8085.8	7563.3
55°	3860.8	3932.3	4016.9	4608.7	6225.8	8673.2	9627.1	9640.1	8714.4	8263.5	7892.8
57.5°	2820.3	2870.1	2783.4	3045.7	4274.8	7043.1	8805.5	9156.6	9191.3	8530.2	8094.4
60°	2154.8	2176.4	2078.9	2120.1	2657.7	4834.1	6811.1	7233.8	8291.7	7455.0	6856.6
62.5°	1671.3	1675.7	1673.5	1745.1	1831.8	2844.1	4259.7	4634.7	5716.4	5293.7	4656.4
65°	1231.3	1211.8	1246.5	1463.2	1563.0	1788.4	2243.6	2516.8	3106.4	2623.0	1875.1
67.5°	797.7	804.2	838.9	1088.2	1339.7	1372.2	1380.9	1359.2	1361.4	750.0	470.4
70°	479.1	489.9	479.1	615.6	958.2	984.2	899.6	877.9	685.0	177.8	175.6
72.5°	284.0	268.8	240.6	264.5	398.9	476.9	429.2	427.1	268.8	104.1	104.1
75°	119.2	108.4	88.9	80.2	106.2	101.9	101.9	91.0	71.5	69.4	65.0
77.5°	23.8	23.8	17.3	19.5	26.0	30.3	36.9	36.9	43.4	43.4	41.2
80°	0.0	2.2	6.5	13.0	19.5	28.2	32.5	32.5	36.9	36.9	30.3
82.5°	0.0	2.2	6.5	13.0	17.3	26.0	32.5	32.5	36.9	39.0	32.5
85°	0.0	2.2	6.5	10.8	17.3	21.7	21.7	19.5	15.2	13.0	8.7
87.5°	0.0	0.0	2.2	4.3	2.2	4.3	4.3	4.3	4.3	4.3	4.3
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°	4179.5	4179.5	4179.5	4179.5	4179.5	4179.5	4179.5	4179.5	4179.5	4179.5	4179.5
2.5°	4199.0	4196.8	4144.8	4060.2	4040.7	3969.2	3960.5	3917.2	3941.0	3860.8	3852.1
5°	4164.3	4138.3	4075.4	4021.2	3863.0	3750.2	3661.4	3553.0	3490.1	3500.9	3459.8
7.5°	4214.1	4146.9	4036.4	3847.8	3654.9	3457.6	3351.4	3130.3	3050.0	2930.8	2913.5
10°	4162.1	4112.3	3941.0	3628.8	3362.2	3078.2	2828.9	2584.0	2397.6	2317.3	2300.0
12.5°	4157.8	4071.1	3784.9	3438.1	3052.2	2644.7	2282.7	1977.0	1792.7	1688.7	1664.8
15°	4090.6	3986.5	3609.3	3143.3	2610.0	2102.7	1708.2	1413.4	1272.5	1211.8	1229.1
17.5°	4097.1	3941.0	3433.7	2831.1	2174.3	1543.5	1166.3	1014.5	977.7	992.8	992.8
20°	4090.6	3839.1	3221.3	2471.3	1664.8	1070.9	856.3	802.1	825.9	873.6	862.8
22.5°	4055.9	3791.4	3026.2	2091.9	1224.8	793.4	687.2	689.3	726.2	784.7	797.7
25°	4081.9	3685.2	2779.1	1708.2	893.1	633.0	596.1	611.3	650.3	693.7	702.4
27.5°	4062.4	3609.3	2521.1	1326.7	652.5	544.1	541.9	559.3	576.6	609.1	609.1
30°	4084.1	3540.0	2267.5	986.3	537.6	498.6	489.9	502.9	520.3	526.8	524.6
32.5°	4164.3	3487.9	1974.8	737.0	474.7	455.2	455.2	455.2	453.1	461.7	463.9
35°	4339.9	3496.6	1716.9	570.1	433.6	418.4	411.9	403.2	398.9	403.2	405.4
37.5°	4530.6	3492.3	1450.2	485.6	403.2	390.2	375.0	362.0	359.8	364.2	357.7
40°	4615.2	3533.5	1203.1	435.7	375.0	359.8	336.0	325.2	327.3	331.7	327.3
42.5°	4730.1	3546.5	1042.7	396.7	349.0	325.2	310.0	297.0	294.8	301.3	299.2
45°	4727.9	3472.8	873.6	375.0	325.2	299.2	279.6	268.8	268.8	273.1	275.3
47.5°	4866.6	3461.9	750.0	355.5	307.8	281.8	258.0	249.3	247.1	247.1	242.8
50°	5189.6	3613.7	654.7	333.8	286.1	262.3	242.8	232.0	223.3	218.9	216.8
52.5°	5820.5	4086.2	581.0	307.8	262.3	242.8	225.4	216.8	205.9	195.1	192.9
54°	6431.8	4574.0	576.6	286.1	242.8	229.8	214.6	210.3	197.3	182.1	177.8
55°	6707.1	4858.0	591.8	268.8	229.8	221.1	208.1	203.8	190.8	173.4	171.3
57.5°	6934.7	4968.5	583.1	223.3	208.1	205.9	195.1	188.6	173.4	149.6	145.2
60°	5582.0	3756.7	418.4	197.3	190.8	186.4	177.8	173.4	153.9	127.9	125.7
62.5°	3527.0	2161.3	266.6	173.4	166.9	160.4	149.6	145.2	127.9	101.9	95.4
65°	1502.3	895.3	179.9	153.9	143.1	132.2	123.6	117.1	101.9	75.9	73.7
67.5°	390.2	318.7	149.6	134.4	119.2	104.1	97.5	86.7	69.4	52.0	49.9
70°	175.6	160.4	125.7	112.7	95.4	80.2	71.5	60.7	45.5	34.7	32.5
72.5°	104.1	101.9	95.4	84.5	71.5	60.7	52.0	41.2	30.3	19.5	19.5
75°	65.0	62.9	65.0	58.5	49.9	45.5	39.0	28.2	17.3	8.7	8.7
77.5°	39.0	39.0	39.0	36.9	34.7	34.7	28.2	17.3	8.7	2.2	2.2
80°	30.3	30.3	32.5	30.3	30.3	30.3	23.8	13.0	4.3	0.0	0.0
82.5°	30.3	32.5	36.9	34.7	30.3	26.0	21.7	13.0	4.3	0.0	0.0
85°	8.7	6.5	10.8	15.2	21.7	19.5	15.2	10.8	4.3	0.0	0.0
87.5°	4.3	4.3	4.3	4.3	2.2	2.2	2.2	2.2	2.2	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)