

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P636267

Luminaire Tested: GWS-SA3F-740-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636267
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-740-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21554.1 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

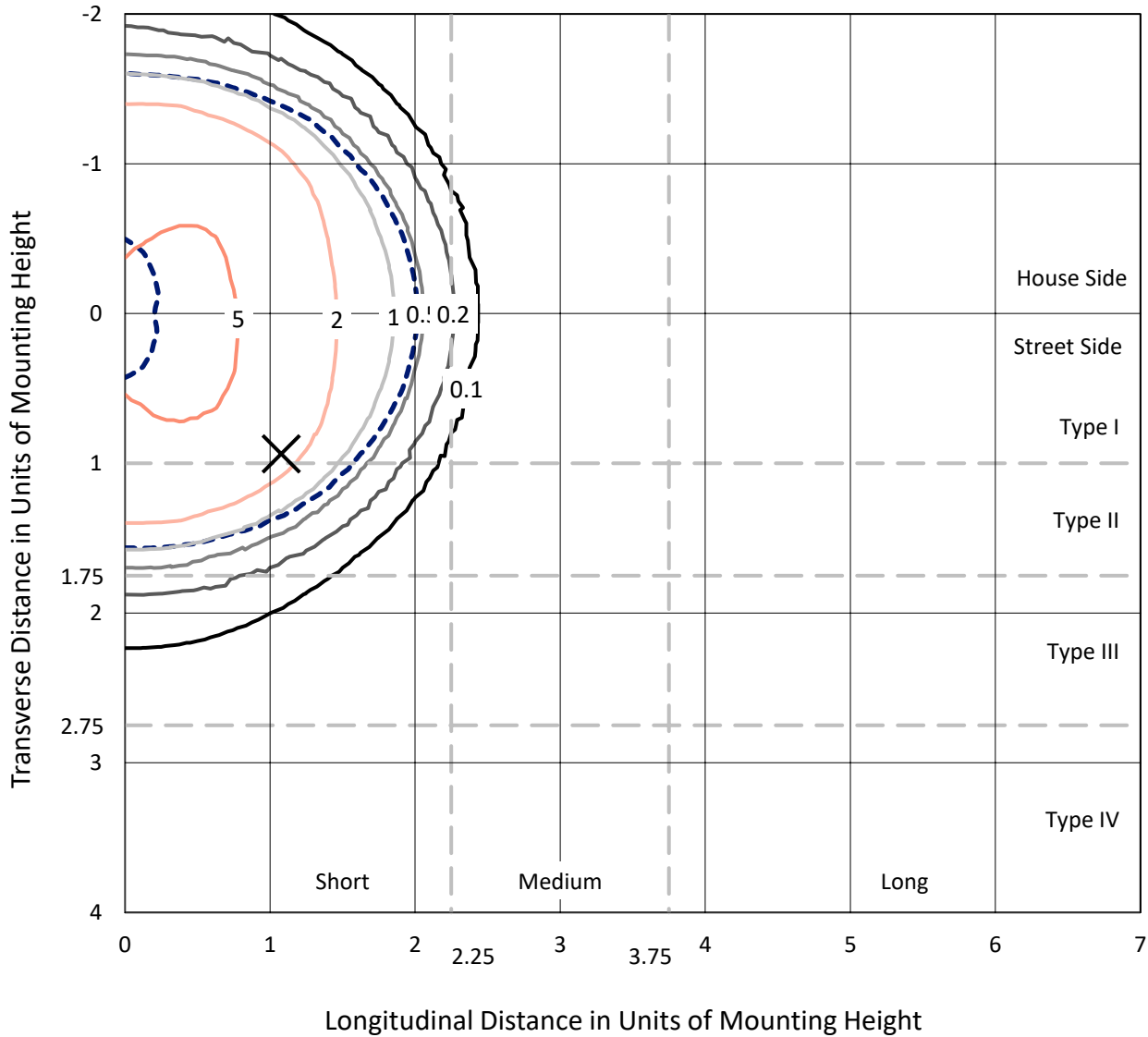
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

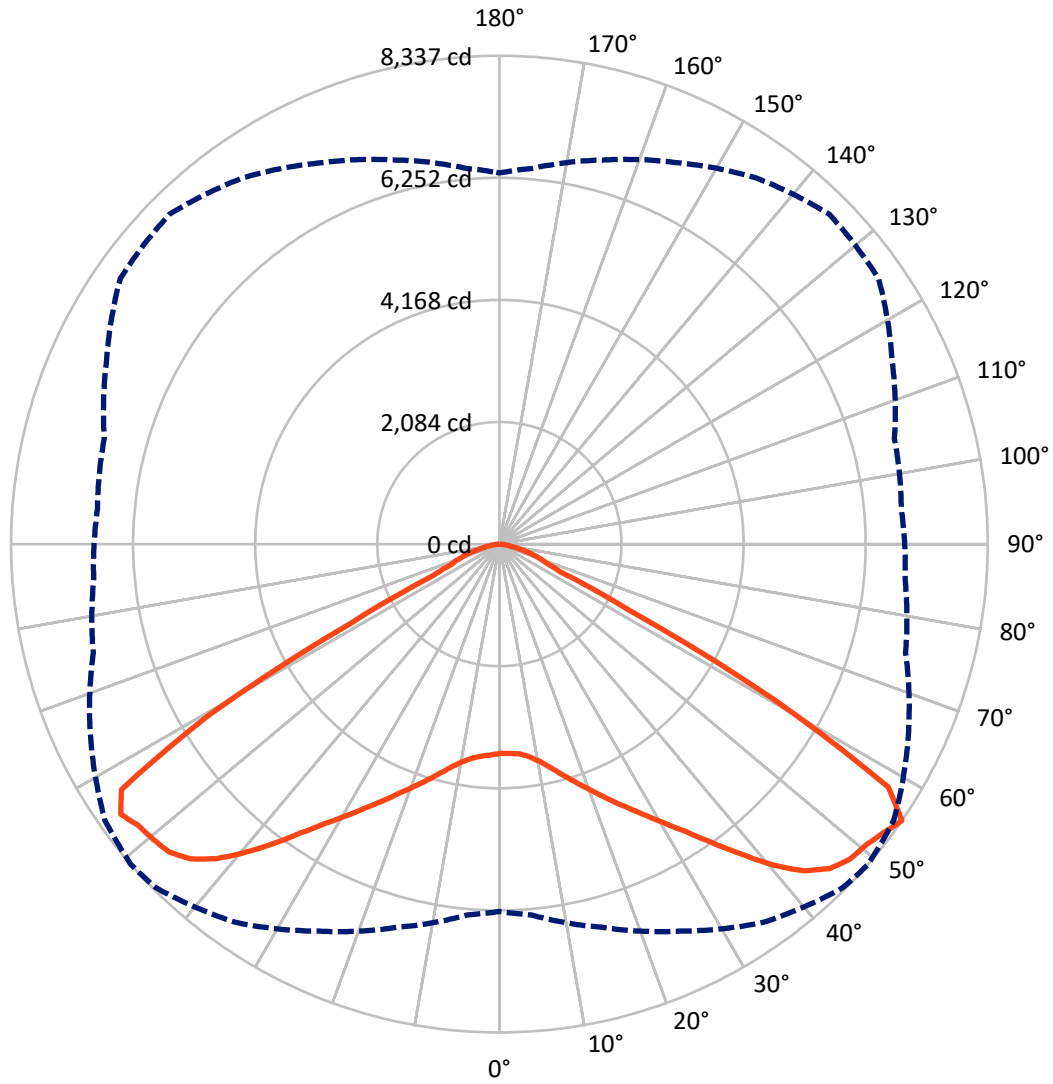
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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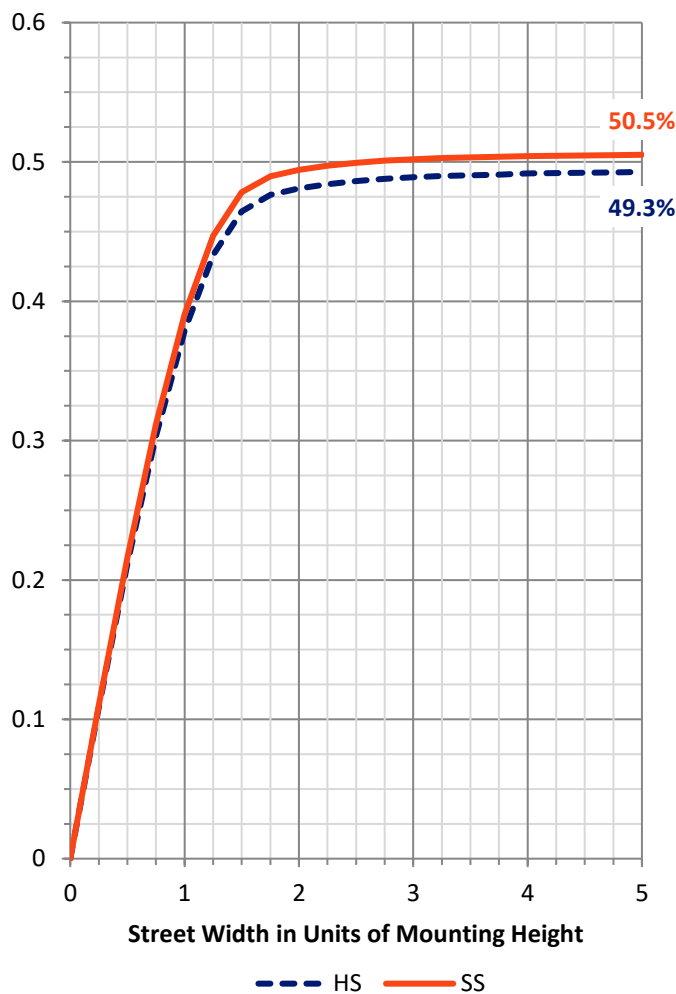
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10671.3	0.0	10671.3
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	10882.8	0.0	10882.8
	% Fixture	50.5	0.0	50.5
Total	Lumens	21554.1	0.0	21554.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.3	1.6
10°-20°	1148.9	5.3
20°-30°	2188.3	10.2
30°-40°	3709.6	17.2
40°-50°	5582.7	25.9
50°-60°	6110.8	28.4
60°-70°	1932.3	9.0
70°-80°	463.7	2.2
80°-90°	69.6	0.3
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°	21554.1	100.0
0°-180°	21554.1	100.0

Coefficient of Utilization



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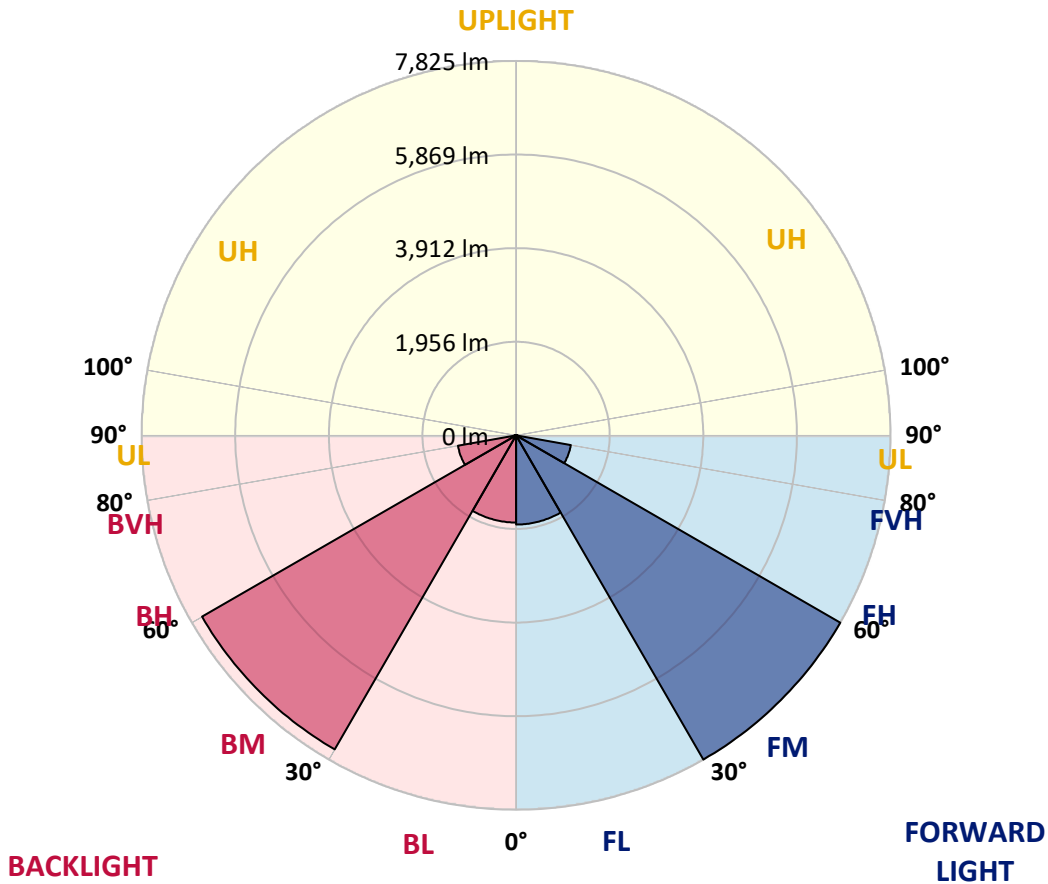
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1863.5	8.6			
FM (30°-60°)	7824.7	36.3			
FH (60°-80°)	1162.3	5.4			G1/1800
FVH (80°-90°)	32.2	0.1			G1/100
BL (0°-30°)	1821.9	8.5	B3/2500		
BM (30°-60°)	7578.3	35.2	B4/8500		
BH (60°-80°)	1233.7	5.7	B3/2500		G1/1800
BVH (80°-90°)	37.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	3570.6	3570.6	3570.6	3570.6	3570.6	3570.6	3570.6	3570.6	3570.6	3570.6	3570.6
2.5°	3518.0	3521.5	3528.5	3540.8	3553.0	3570.6	3577.6	3586.3	3584.6	3595.1	3595.1
5°	3500.5	3505.7	3516.2	3533.8	3554.8	3588.1	3596.9	3617.9	3638.9	3665.2	3674.0
7.5°	3521.5	3528.5	3540.8	3568.8	3600.4	3644.2	3661.7	3696.8	3737.1	3784.4	3803.7
10°	3561.8	3570.6	3591.6	3637.2	3688.0	3754.6	3770.4	3814.2	3879.1	3943.9	3982.5
12.5°	3607.4	3621.4	3660.0	3731.8	3807.2	3894.8	3919.4	3973.7	4043.8	4128.0	4180.6
15°	3660.0	3672.2	3731.8	3833.5	3950.9	4066.6	4094.7	4147.3	4226.1	4308.5	4382.1
17.5°	3770.4	3791.4	3861.5	3979.0	4115.7	4252.4	4284.0	4343.6	4406.7	4471.5	4541.6
20°	3921.1	3938.7	4028.1	4173.5	4334.8	4459.3	4490.8	4543.4	4573.2	4606.5	4666.1
22.5°	4071.9	4096.4	4198.1	4369.9	4559.2	4694.1	4718.7	4767.8	4746.7	4736.2	4774.8
25°	4259.4	4292.7	4392.7	4580.2	4773.0	4939.5	4958.8	5000.9	4965.8	4911.5	4909.7
27.5°	4492.6	4522.4	4625.8	4818.6	5009.7	5183.2	5220.0	5276.1	5199.0	5132.4	5085.0
30°	4769.5	4788.8	4902.7	5107.8	5304.1	5468.9	5516.2	5572.3	5514.5	5404.1	5356.7
32.5°	5092.0	5118.3	5249.8	5465.4	5640.7	5805.5	5852.8	5922.9	5859.8	5735.3	5675.7
35°	5479.4	5505.7	5644.2	5879.1	6057.9	6227.9	6261.2	6319.0	6240.2	6096.4	6049.1
37.5°	5900.1	5933.4	6108.7	6331.3	6518.9	6716.9	6718.7	6736.2	6624.0	6445.3	6392.7
40°	6373.4	6417.2	6592.5	6823.9	7050.0	7211.2	7209.5	7160.4	6971.1	6694.2	6613.5
42.5°	6841.4	6876.5	7053.5	7291.9	7518.0	7670.5	7624.9	7505.7	7232.3	6855.4	6748.5
45°	7179.7	7206.0	7391.8	7660.0	7889.6	7984.3	7901.9	7758.1	7388.3	6957.1	6799.3
47.5°	7339.2	7374.3	7561.8	7828.3	8087.7	8142.0	8043.9	7908.9	7479.4	7051.7	6839.6
50°	7253.3	7298.9	7511.0	7758.1	8050.9	8163.0	8092.9	7958.0	7575.8	7144.6	6911.5
52.5°	7030.7	7074.5	7342.7	7642.5	7973.7	8196.4	8194.6	8084.2	7686.3	7170.9	6915.0
55°	6270.0	6355.9	6773.0	7290.1	7879.1	8294.5	8336.6	8219.1	7703.8	7177.9	6951.8
57.5°	4080.6	4231.4	4627.5	5300.6	6482.1	7544.3	7828.3	7856.3	7577.6	7148.1	6958.8
60°	1703.8	1824.7	2138.5	2585.5	3561.8	4825.6	5376.0	5928.2	6594.2	6836.1	6894.0
62.5°	1058.7	1069.2	1100.8	1202.5	1528.5	2145.5	2499.6	3016.7	4007.0	4850.2	5239.3
65°	955.3	960.6	967.6	960.6	976.3	1051.7	1146.4	1326.9	1730.1	2149.0	2646.8
67.5°	841.4	848.4	853.6	848.4	853.6	857.1	867.7	883.4	957.1	1016.7	1062.2
70°	680.1	690.6	699.4	695.9	716.9	716.9	727.4	739.7	776.5	820.3	851.9
72.5°	518.8	510.1	520.6	524.1	543.4	553.9	569.7	583.7	625.8	652.1	692.4
75°	336.5	327.8	343.6	352.3	378.6	392.6	406.7	420.7	450.5	468.0	506.6
77.5°	182.3	180.5	196.3	208.6	236.6	254.2	264.7	275.2	299.7	305.0	329.5
80°	105.2	105.2	115.7	124.5	142.0	161.3	171.8	180.5	198.1	203.3	213.8
82.5°	57.8	57.8	63.1	68.4	82.4	92.9	101.7	108.7	124.5	129.7	135.0
85°	28.0	26.3	29.8	33.3	38.6	43.8	49.1	52.6	64.9	68.4	75.4
87.5°	3.5	3.5	3.5	5.3	7.0	10.5	12.3	12.3	19.3	22.8	26.3
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°	3570.6	3570.6	3570.6	3570.6	3570.6	3570.6	3570.6	3570.6	3570.6	3570.6	3570.6
2.5°	3605.6	3582.8	3596.9	3602.1	3602.1	3596.9	3574.1	3567.1	3556.5	3540.8	3540.8
5°	3686.3	3668.7	3672.2	3663.5	3642.4	3616.1	3574.1	3553.0	3535.5	3516.2	3514.5
7.5°	3824.7	3801.9	3798.4	3765.1	3709.0	3653.0	3589.8	3551.3	3525.0	3500.5	3498.7
10°	4005.3	3984.2	3957.9	3891.3	3809.0	3726.6	3640.7	3588.1	3549.5	3514.5	3512.7
12.5°	4206.9	4182.3	4133.2	4035.1	3931.7	3851.0	3752.9	3672.2	3614.4	3567.1	3558.3
15°	4426.0	4390.9	4306.8	4191.1	4089.4	4003.5	3898.4	3782.7	3695.0	3619.6	3610.9
17.5°	4594.2	4548.7	4457.5	4348.8	4264.7	4178.8	4042.1	3896.6	3770.4	3675.7	3661.7
20°	4709.9	4673.1	4569.7	4489.1	4440.0	4364.6	4205.1	4040.3	3898.4	3779.2	3772.1
22.5°	4816.8	4773.0	4671.4	4624.0	4624.0	4573.2	4420.7	4226.1	4059.6	3921.1	3903.6
25°	4937.8	4890.5	4813.3	4808.1	4832.6	4809.8	4625.8	4417.2	4222.6	4066.6	4038.6
27.5°	5106.1	5053.5	5007.9	5039.5	5074.5	5050.0	4844.9	4603.0	4397.9	4240.2	4215.6
30°	5374.3	5309.4	5267.3	5305.9	5374.3	5302.4	5079.8	4823.9	4617.0	4443.5	4431.2
32.5°	5686.3	5612.6	5568.8	5630.2	5691.5	5579.3	5358.5	5113.1	4895.7	4713.4	4692.4
35°	6061.4	5968.5	5903.6	5986.0	6049.1	5938.7	5719.6	5486.4	5244.5	5055.2	5027.2
37.5°	6394.4	6282.2	6238.4	6354.1	6438.2	6366.4	6128.0	5908.9	5644.2	5437.4	5425.1
40°	6636.3	6525.9	6494.3	6685.4	6832.6	6815.1	6601.3	6350.6	6101.7	5863.3	5840.5
42.5°	6741.5	6664.4	6671.4	6929.0	7156.9	7269.1	7078.0	6809.8	6569.7	6322.6	6306.8
45°	6764.3	6716.9	6773.0	7095.6	7395.3	7624.9	7461.9	7237.5	6965.8	6727.5	6720.4
47.5°	6788.8	6762.5	6848.4	7190.2	7546.0	7812.5	7721.3	7490.0	7214.8	6981.6	6964.1
50°	6846.7	6836.1	6932.5	7256.8	7617.9	7863.3	7759.9	7530.3	7248.1	7018.4	6976.4
52.5°	6864.2	6846.7	6985.1	7360.2	7737.1	7861.6	7638.9	7339.2	7055.2	6799.3	6755.5
55°	6918.5	6887.0	6981.6	7398.8	7901.9	7963.2	7631.9	7183.2	6787.1	6438.2	6334.8
57.5°	6932.5	6897.5	6958.8	7335.7	7723.1	7668.7	7408.2	7196.7	6950.0	6662.6	6706.4
60°	6857.2	6867.7	6762.5	6720.4	6194.6	5468.9	4106.9	3283.1	2578.5	2280.5	2345.3
62.5°	5220.0	5263.8	4904.5	4264.7	3279.6	2599.5	1719.6	1335.7	1130.6	1078.0	1086.8
65°	2634.5	2694.1	2320.8	1919.4	1426.8	1153.4	997.4	965.8	955.3	943.0	943.0
67.5°	1042.9	1060.5	1046.5	979.8	911.5	886.9	879.9	876.4	864.2	857.1	858.9
70°	837.9	851.9	830.9	788.8	760.7	759.0	755.5	748.5	739.7	739.7	745.0
72.5°	683.6	697.6	667.8	641.5	620.5	604.7	596.0	590.7	578.4	578.4	583.7
75°	503.1	511.8	487.3	483.8	461.0	445.2	431.2	424.2	408.4	401.4	406.7
77.5°	334.8	333.0	320.8	320.8	312.0	292.7	277.0	261.2	240.1	226.1	229.6
80°	217.4	217.4	212.1	212.1	203.3	187.6	168.3	152.5	140.2	129.7	129.7
82.5°	138.5	136.7	135.0	133.2	129.7	113.9	99.9	89.4	80.6	73.6	75.4
85°	77.1	77.1	73.6	73.6	66.6	57.8	50.8	43.8	38.6	36.8	36.8
87.5°	26.3	26.3	24.5	24.5	21.0	15.8	12.3	10.5	8.8	7.0	8.8
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)