

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: P636377

Luminaire Tested: GWS-SA3F-760-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636377
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21745.9 lumens
Efficiency: N/A
Efficacy: 118.7 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

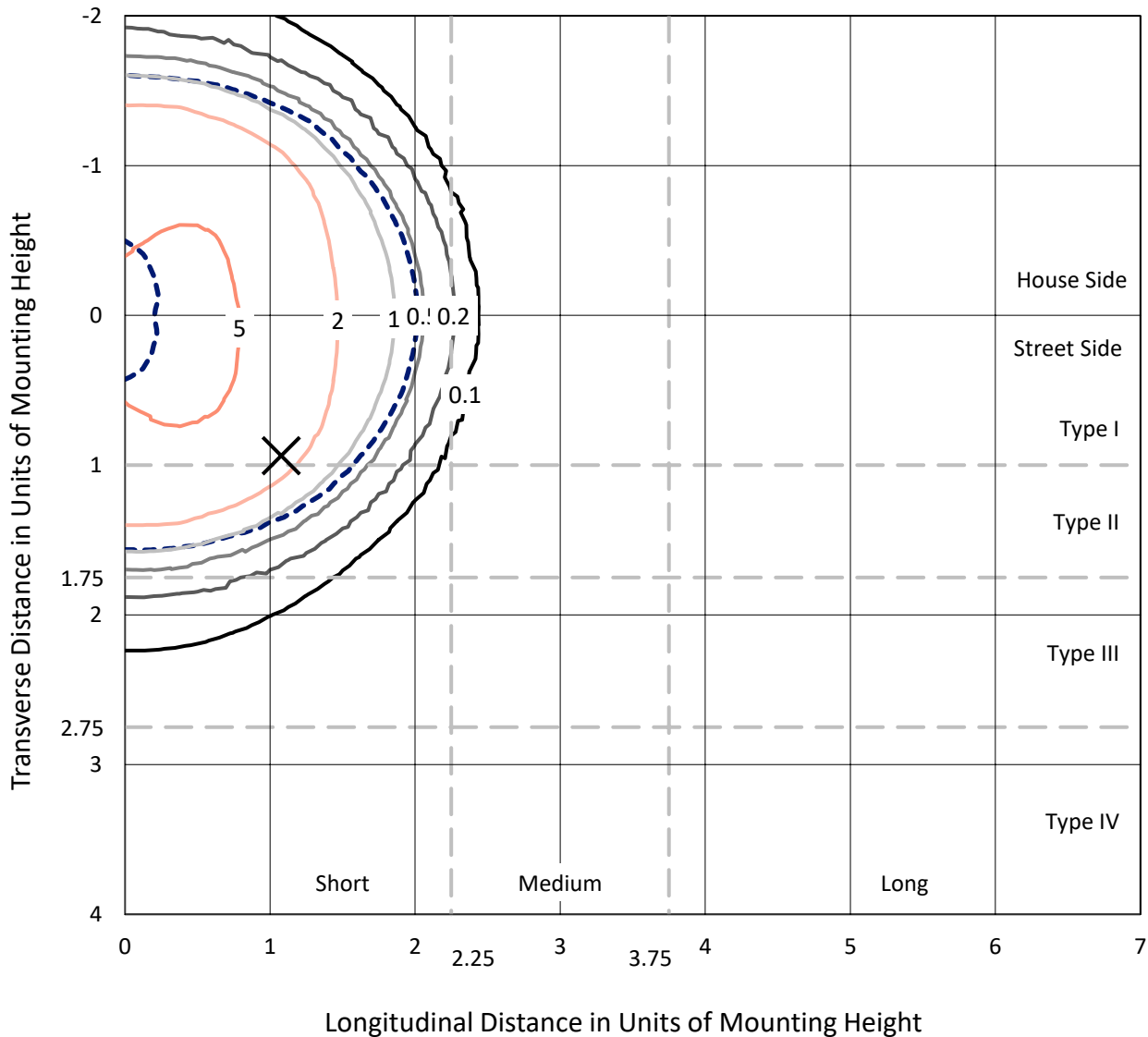


REPORT NUMBER: P636377

CATALOG NUMBER: GWS-SA3F-760-U-RW-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

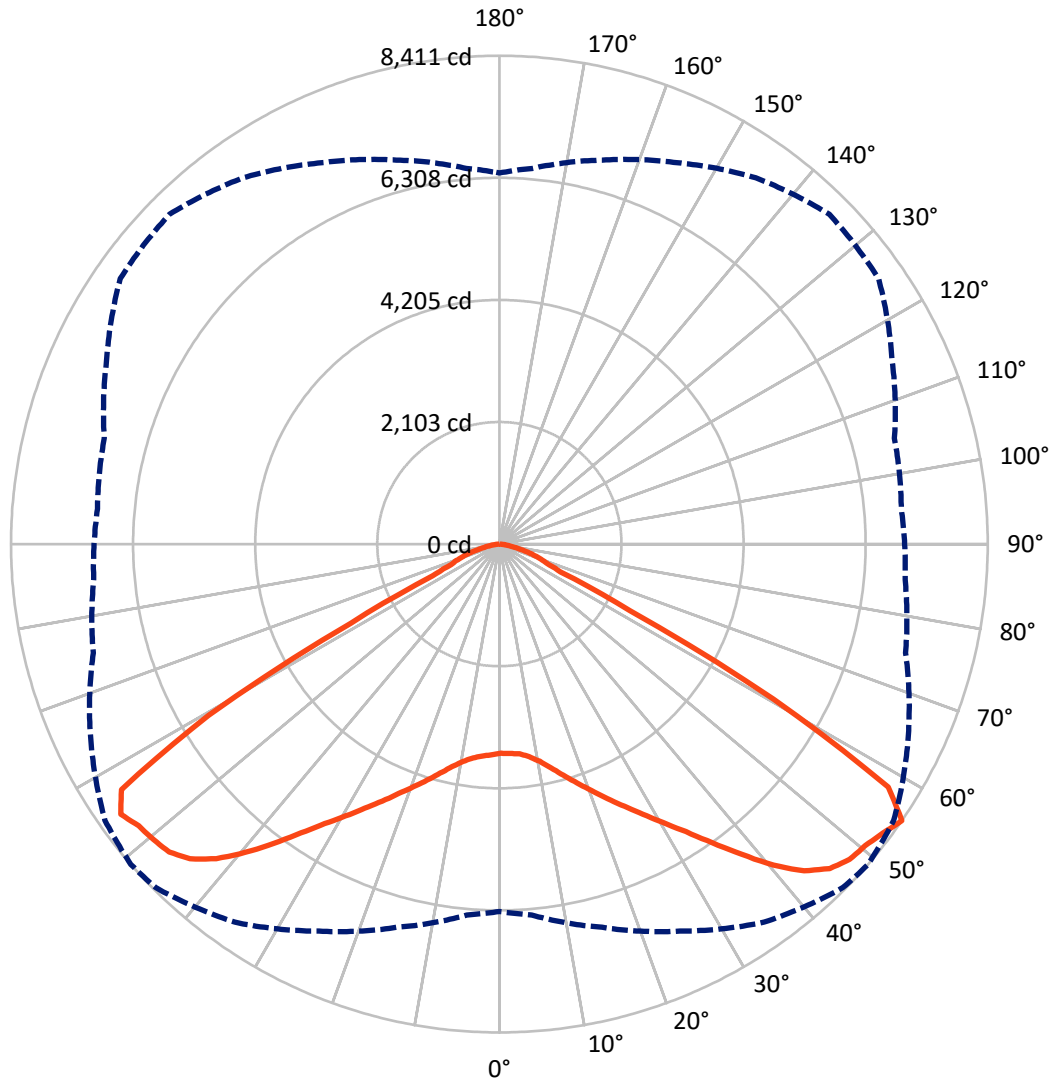
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type V - Short - N/A

REPORT NUMBER: P636377
CATALOG NUMBER: GWS-SA3F-760-U-RW-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636377

CATALOG NUMBER: GWS-SA3F-760-U-RW-W-GRSWH

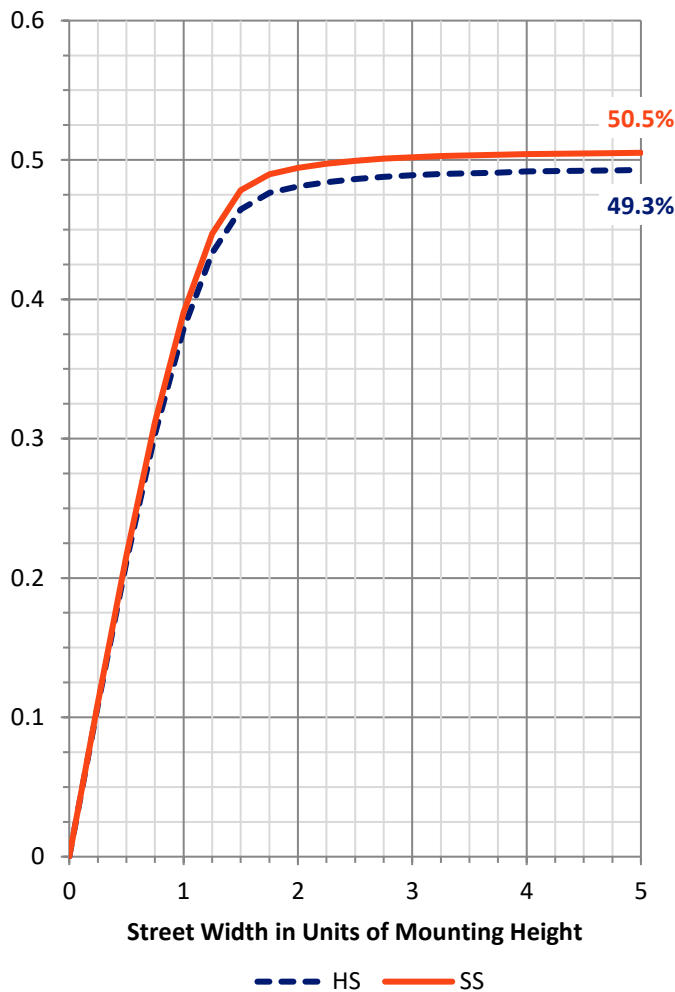
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10766.3	0.0	10766.3
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	10979.6	0.0	10979.6
	% Fixture	50.5	0.0	50.5
Total	Lumens	21745.9	0.0	21745.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.4	1.6
10°-20°	1159.1	5.3
20°-30°	2207.7	10.2
30°-40°	3742.6	17.2
40°-50°	5632.3	25.9
50°-60°	6165.2	28.4
60°-70°	1949.5	9.0
70°-80°	467.9	2.2
80°-90°	70.2	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°	21745.9	100.0
0°-180°	21745.9	100.0

Coefficient of Utilization



REPORT NUMBER: P636377

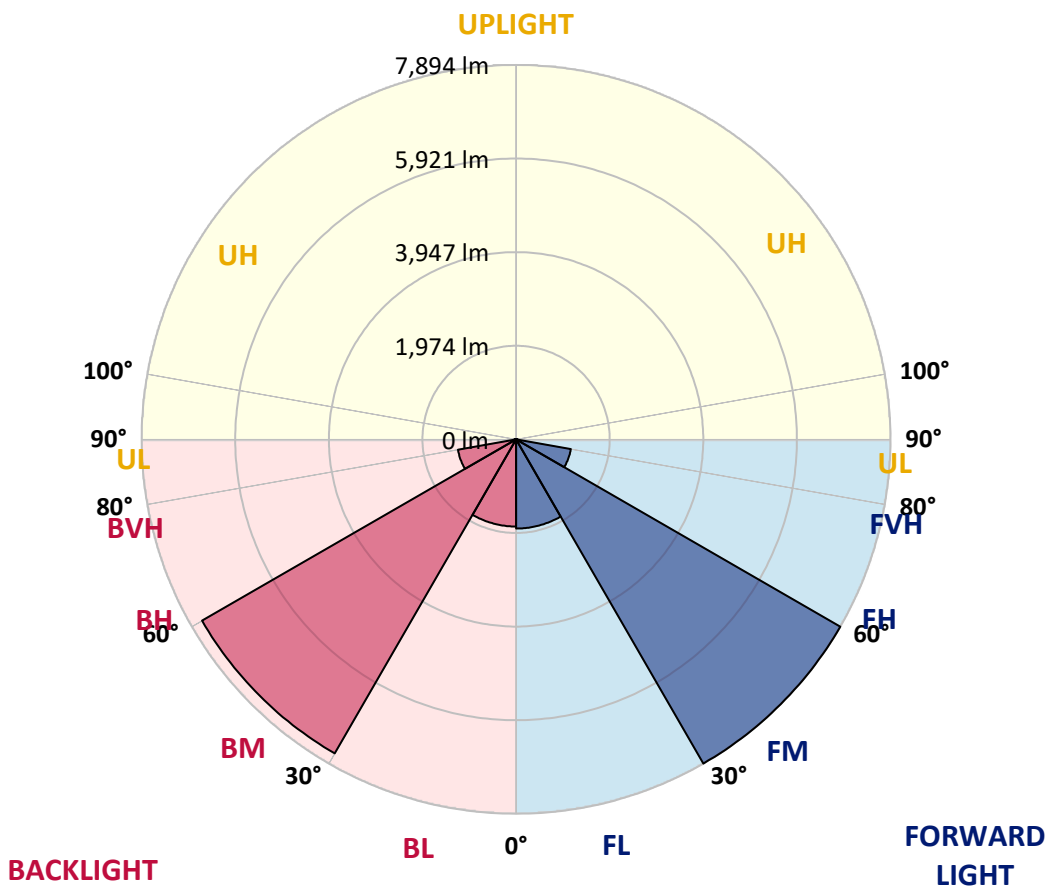
CATALOG NUMBER: GWS-SA3F-760-U-RW-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1880.1	8.6			
FM (30°-60°)	7894.4	36.3			
FH (60°-80°)	1172.6	5.4			G1/1800
FVH (80°-90°)	32.5	0.1			G1/100
BL (0°-30°)	1838.1	8.5	B3/2500		
BM (30°-60°)	7645.7	35.2	B4/8500		
BH (60°-80°)	1244.7	5.7	B3/2500		G1/1800
BVH (80°-90°)	37.7	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





REPORT NUMBER: P636377

CATALOG NUMBER: GWS-SA3F-760-U-RW-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	3602.3	3602.3	3602.3	3602.3	3602.3	3602.3	3602.3	3602.3	3602.3	3602.3	3602.3
2.5°	3549.3	3552.8	3559.9	3572.3	3584.7	3602.3	3609.4	3618.3	3616.5	3627.1	3627.1
5°	3531.6	3536.9	3547.5	3565.2	3586.4	3620.0	3628.9	3650.1	3671.3	3697.8	3706.7
7.5°	3552.8	3559.9	3572.3	3600.6	3632.4	3676.6	3694.3	3729.7	3770.3	3818.1	3837.5
10°	3593.5	3602.3	3623.6	3669.5	3720.8	3788.0	3803.9	3848.2	3913.6	3979.0	4017.9
12.5°	3639.5	3653.6	3692.5	3765.0	3841.1	3929.5	3954.3	4009.1	4079.8	4164.7	4217.8
15°	3692.5	3704.9	3765.0	3867.6	3986.1	4102.8	4131.1	4184.2	4263.7	4346.9	4421.1
17.5°	3803.9	3825.2	3895.9	4014.4	4152.3	4290.3	4322.1	4382.2	4445.9	4511.3	4582.1
20°	3956.0	3973.7	4063.9	4210.7	4373.4	4498.9	4530.8	4583.8	4613.9	4647.5	4707.6
22.5°	4108.1	4132.9	4235.4	4408.8	4599.7	4735.9	4760.7	4810.2	4789.0	4778.4	4817.3
25°	4297.3	4330.9	4431.7	4621.0	4815.5	4983.5	5003.0	5045.4	5010.0	4955.2	4953.4
27.5°	4532.5	4562.6	4666.9	4861.5	5054.2	5229.3	5266.5	5323.0	5245.2	5178.0	5130.3
30°	4812.0	4831.4	4946.4	5153.3	5351.3	5517.6	5565.3	5621.9	5563.6	5452.1	5404.4
32.5°	5137.4	5163.9	5296.5	5514.0	5690.9	5857.1	5904.9	5975.6	5911.9	5786.4	5726.3
35°	5528.2	5554.7	5694.4	5931.4	6111.8	6283.3	6316.9	6375.3	6295.7	6150.7	6102.9
37.5°	5952.6	5986.2	6163.1	6387.7	6576.9	6776.7	6778.5	6796.2	6683.0	6502.6	6449.6
40°	6430.1	6474.3	6651.2	6884.6	7112.7	7275.4	7273.7	7224.1	7033.1	6753.7	6672.4
42.5°	6902.3	6937.6	7116.3	7356.8	7584.9	7738.8	7692.8	7572.5	7296.6	6916.4	6808.5
45°	7243.6	7270.1	7457.6	7728.1	7959.8	8055.3	7972.2	7827.2	7454.0	7019.0	6859.8
47.5°	7404.5	7439.9	7629.1	7897.9	8159.6	8214.5	8115.4	7979.3	7546.0	7114.5	6900.5
50°	7317.9	7363.8	7577.8	7827.2	8122.5	8235.7	8165.0	8028.8	7643.3	7208.2	6973.0
52.5°	7093.3	7137.5	7408.1	7710.5	8044.7	8269.3	8267.5	8156.1	7754.7	7234.7	6976.5
55°	6325.8	6412.4	6833.3	7355.0	7949.2	8368.3	8410.8	8292.3	7772.4	7241.8	7013.7
57.5°	4117.0	4269.0	4668.7	5347.8	6539.7	7611.4	7897.9	7926.2	7645.0	7211.8	7020.8
60°	1718.9	1841.0	2157.5	2608.5	3593.5	4868.6	5423.8	5980.9	6652.9	6897.0	6955.3
62.5°	1068.1	1078.8	1110.6	1213.2	1542.1	2164.6	2521.8	3043.5	4042.7	4893.3	5285.9
65°	963.8	969.1	976.2	969.1	985.0	1061.1	1156.6	1338.7	1745.5	2168.1	2670.4
67.5°	848.9	855.9	861.2	855.9	861.2	864.8	875.4	891.3	965.6	1025.7	1071.7
70°	686.2	696.8	705.6	702.1	723.3	723.3	733.9	746.3	783.4	827.6	859.5
72.5°	523.5	514.6	525.2	528.8	548.2	558.8	574.7	588.9	631.3	657.9	698.5
75°	339.5	330.7	346.6	355.5	382.0	396.1	410.3	424.4	454.5	472.2	511.1
77.5°	183.9	182.2	198.1	210.4	238.7	256.4	267.0	277.6	302.4	307.7	332.5
80°	106.1	106.1	116.7	125.6	143.2	162.7	173.3	182.2	199.8	205.1	215.8
82.5°	58.4	58.4	63.7	69.0	83.1	93.7	102.6	109.6	125.6	130.9	136.2
85°	28.3	26.5	30.1	33.6	38.9	44.2	49.5	53.1	65.4	69.0	76.0
87.5°	3.5	3.5	3.5	5.3	7.1	10.6	12.4	12.4	19.5	23.0	26.5
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: P636377

CATALOG NUMBER: GWS-SA3F-760-U-RW-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3602.3	3602.3	3602.3	3602.3	3602.3	3602.3	3602.3	3602.3	3602.3	3602.3	3602.3
2.5°	3637.7	3614.7	3628.9	3634.2	3634.2	3628.9	3605.9	3598.8	3588.2	3572.3	3572.3
5°	3719.1	3701.4	3704.9	3696.1	3674.8	3648.3	3605.9	3584.7	3567.0	3547.5	3545.7
7.5°	3858.8	3835.8	3832.2	3798.6	3742.0	3685.5	3621.8	3582.9	3556.4	3531.6	3529.8
10°	4040.9	4019.7	3993.2	3926.0	3842.8	3759.7	3673.1	3620.0	3581.1	3545.7	3544.0
12.5°	4244.3	4219.5	4170.0	4071.0	3966.6	3885.3	3786.3	3704.9	3646.6	3598.8	3590.0
15°	4465.3	4430.0	4345.1	4228.4	4125.8	4039.1	3933.0	3816.3	3727.9	3651.9	3643.0
17.5°	4635.1	4589.1	4497.2	4387.5	4302.6	4216.0	4078.1	3931.3	3803.9	3708.4	3694.3
20°	4751.8	4714.7	4610.4	4529.0	4479.5	4403.4	4242.5	4076.3	3933.0	3812.8	3805.7
22.5°	4859.7	4815.5	4712.9	4665.2	4665.2	4613.9	4460.0	4263.7	4095.7	3956.0	3938.3
25°	4981.7	4934.0	4856.2	4850.9	4875.6	4852.6	4666.9	4456.5	4260.2	4102.8	4074.5
27.5°	5151.5	5098.5	5052.5	5084.3	5119.7	5094.9	4888.0	4644.0	4437.1	4277.9	4253.1
30°	5422.1	5356.6	5314.2	5353.1	5422.1	5349.6	5125.0	4866.8	4658.1	4483.0	4470.7
32.5°	5736.9	5662.6	5618.4	5680.3	5742.2	5629.0	5406.2	5158.6	4939.3	4755.4	4734.2
35°	6115.3	6021.6	5956.2	6039.3	6102.9	5991.5	5770.5	5535.3	5291.2	5100.2	5071.9
37.5°	6451.3	6338.1	6293.9	6410.6	6495.5	6423.0	6182.5	5961.5	5694.4	5485.7	5473.4
40°	6695.4	6584.0	6552.1	6744.9	6893.4	6875.7	6660.0	6407.1	6156.0	5915.5	5892.5
42.5°	6801.5	6723.7	6730.7	6990.7	7220.6	7333.8	7141.0	6870.4	6628.2	6378.8	6362.9
45°	6824.5	6776.7	6833.3	7158.7	7461.1	7692.8	7528.3	7301.9	7027.8	6787.3	6780.3
47.5°	6849.2	6822.7	6909.3	7254.2	7613.2	7882.0	7790.0	7556.6	7279.0	7043.8	7026.1
50°	6907.6	6897.0	6994.2	7321.4	7685.7	7933.3	7828.9	7597.3	7312.6	7080.9	7038.4
52.5°	6925.3	6907.6	7047.3	7425.7	7806.0	7931.5	7706.9	7404.5	7118.0	6859.8	6815.6
55°	6980.1	6948.3	7043.8	7464.6	7972.2	8034.1	7699.8	7247.1	6847.5	6495.5	6391.2
57.5°	6994.2	6958.9	7020.8	7401.0	7791.8	7737.0	6767.9	5848.3	5094.9	4704.1	4748.3
60°	6918.2	6928.8	6822.7	6780.3	6249.7	5517.6	4143.5	3312.3	2601.4	2300.8	2366.2
62.5°	5266.5	5310.7	4948.1	4302.6	3308.8	2622.6	1734.9	1347.6	1140.7	1087.6	1096.4
65°	2658.0	2718.1	2341.4	1936.5	1439.5	1163.6	1006.3	974.4	963.8	951.4	951.4
67.5°	1052.2	1069.9	1055.8	988.6	919.6	894.8	887.8	884.2	871.8	864.8	866.5
70°	845.3	859.5	838.2	795.8	767.5	765.7	762.2	755.1	746.3	746.3	751.6
72.5°	689.7	703.8	673.8	647.3	626.0	610.1	601.3	596.0	583.6	583.6	588.9
75°	507.5	516.4	491.6	488.1	465.1	449.2	435.0	428.0	412.0	405.0	410.3
77.5°	337.8	336.0	323.6	323.6	314.8	295.3	279.4	263.5	242.3	228.1	231.7
80°	219.3	219.3	214.0	214.0	205.1	189.2	169.8	153.9	141.5	130.9	130.9
82.5°	139.7	137.9	136.2	134.4	130.9	114.9	100.8	90.2	81.3	74.3	76.0
85°	77.8	77.8	74.3	74.3	67.2	58.4	51.3	44.2	38.9	37.1	37.1
87.5°	26.5	26.5	24.8	24.8	21.2	15.9	12.4	10.6	8.8	7.1	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)