

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: P636246

Luminaire Tested: GWS-SA3F-735-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-735-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21142.9 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

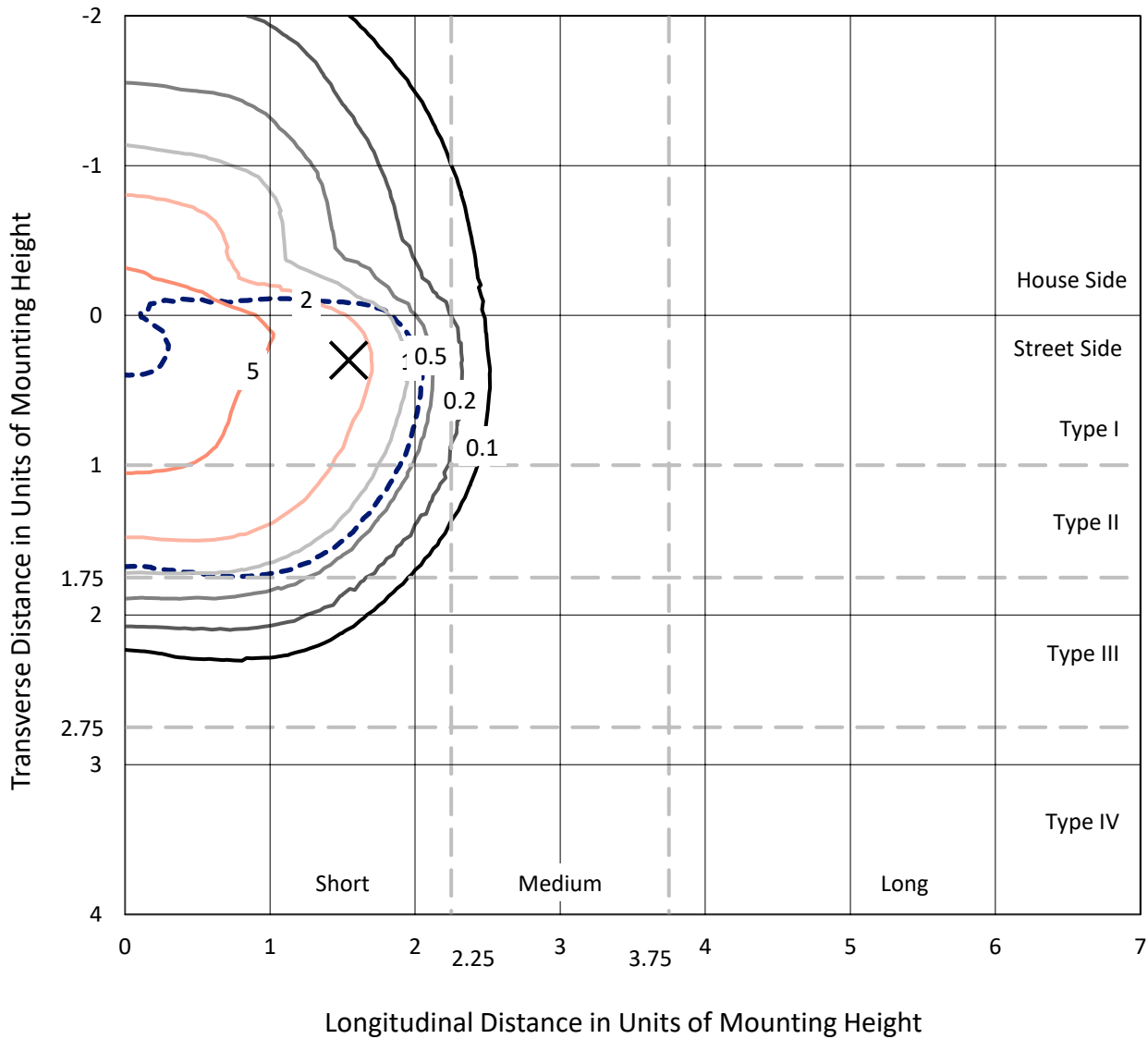
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

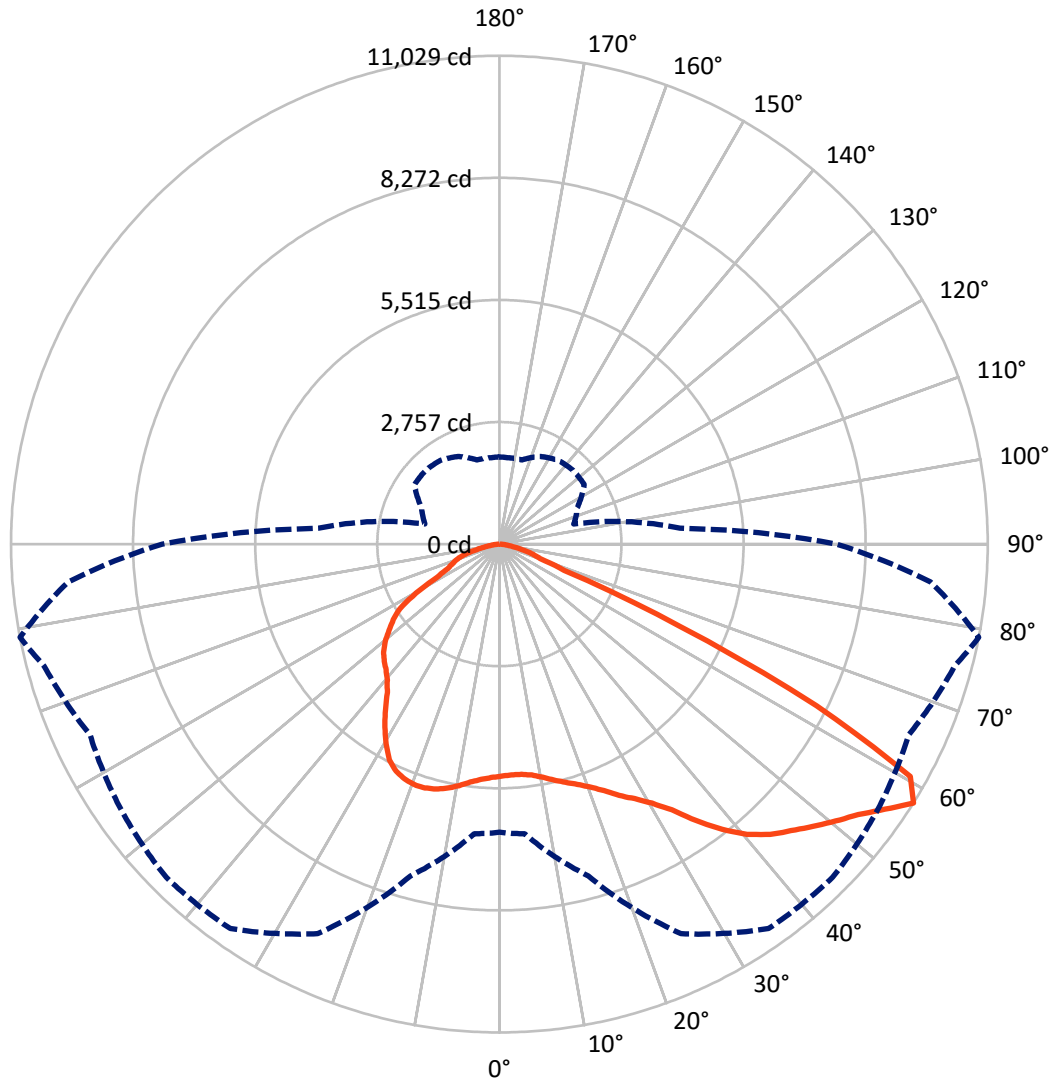
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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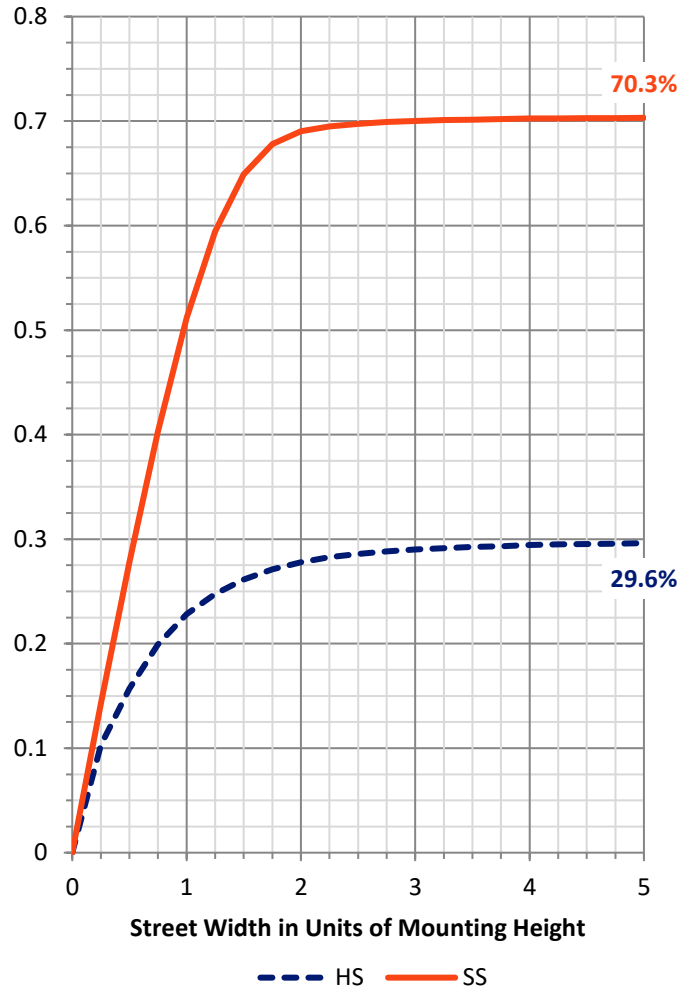
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6284.8	0.0	6284.8
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	14858.1	0.0	14858.1
	% Fixture	70.3	0.0	70.3
Total	Lumens	21142.9	0.0	21142.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.2	2.3
10°-20°	1348.5	6.4
20°-30°	2285.7	10.8
30°-40°	3498.6	16.5
40°-50°	4665.1	22.1
50°-60°	5387.8	25.5
60°-70°	2799.7	13.2
70°-80°	595.1	2.8
80°-90°	77.1	0.4
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°	21142.9	100.0
0°-180°	21142.9	100.0

Coefficient of Utilization



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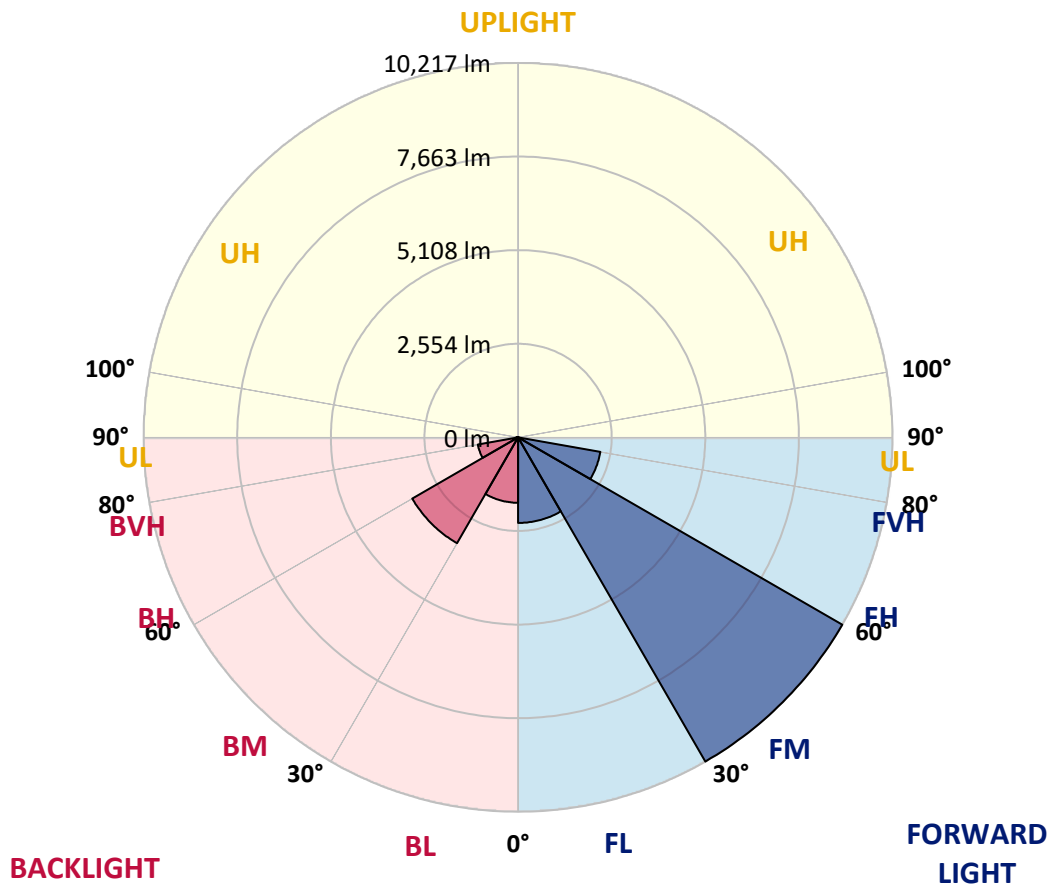
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2334.7	11.0			
FM (30°-60°)	10216.8	48.3			
FH (60°-80°)	2279.7	10.8			G2/5000
FVH (80°-90°)	26.9	0.1			G1/100
BL (0°-30°)	1784.8	8.4	B3/2500		
BM (30°-60°)	3334.7	15.8	B3/5000		
BH (60°-80°)	1115.1	5.3	B3/2500		G3/2500
BVH (80°-90°)	50.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	5239.7	5239.7	5239.7	5239.7	5239.7	5239.7	5239.7	5239.7	5239.7	5239.7	5239.7
2.5°	5001.1	4990.8	4994.2	5008.1	5059.9	5097.9	5137.7	5174.0	5208.6	5219.0	5227.6
5°	4823.1	4804.1	4809.3	4831.7	4892.2	4956.2	5027.1	5113.5	5196.5	5224.1	5260.4
7.5°	4696.9	4693.4	4702.1	4736.6	4800.6	4861.1	4952.7	5075.5	5219.0	5265.6	5329.6
10°	4529.2	4522.3	4556.9	4627.7	4733.2	4830.0	4938.9	5084.1	5284.6	5353.8	5452.3
12.5°	4396.1	4392.6	4428.9	4527.5	4662.3	4816.2	4966.6	5129.1	5372.8	5467.9	5588.9
15°	4473.9	4458.3	4460.1	4529.2	4650.2	4831.7	5035.7	5210.3	5461.0	5582.0	5737.6
17.5°	4700.3	4672.7	4651.9	4664.0	4733.2	4921.6	5141.2	5319.2	5563.0	5704.7	5894.9
20°	5013.2	4997.7	4940.6	4902.6	4918.2	5084.1	5307.1	5473.1	5696.1	5855.1	6059.1
22.5°	5433.3	5395.3	5317.5	5257.0	5210.3	5340.0	5545.7	5689.2	5881.0	6047.0	6259.6
25°	5953.7	5898.3	5775.6	5680.5	5580.3	5713.4	5896.6	6005.5	6135.2	6289.0	6491.3
27.5°	6484.4	6437.7	6301.1	6173.2	6048.7	6131.7	6349.5	6411.8	6397.9	6510.3	6683.2
30°	7049.7	6990.9	6861.2	6722.9	6562.2	6615.7	6811.1	6842.2	6695.3	6788.6	6906.2
32.5°	7646.1	7589.0	7476.6	7315.9	7134.4	7155.1	7208.7	7238.1	7098.1	7151.6	7241.5
35°	8252.8	8199.2	8085.1	7926.1	7793.0	7666.8	7532.0	7649.5	7568.3	7672.0	7665.1
37.5°	8807.7	8754.2	8683.3	8560.5	8332.3	8083.4	7772.2	7917.5	8043.7	8175.0	8152.6
40°	9182.9	9146.6	9163.9	9144.8	8851.0	8358.3	7889.8	8048.8	8392.9	8617.6	8605.5
42.5°	9506.1	9469.8	9570.1	9642.7	9297.0	8612.4	7946.8	8099.0	8615.9	8966.8	8949.5
45°	9649.6	9639.2	9805.2	10035.1	9704.9	8882.1	8093.8	8202.7	8785.3	9234.7	9169.0
47.5°	9478.5	9514.8	9841.5	10230.5	10043.8	9201.9	8394.6	8422.2	9006.5	9525.2	9340.2
50°	9137.9	9217.4	9658.3	10235.7	10291.0	9563.2	8811.2	8742.1	9303.9	9834.6	9430.1
52.5°	8641.8	8724.8	9443.9	10195.9	10432.7	9981.5	9366.1	9267.6	9679.0	10144.0	9445.6
55°	7502.6	7614.9	8953.0	10106.0	10571.0	10361.8	9991.9	9791.4	10163.0	10569.3	9599.5
57.5°	6508.6	6567.3	7756.7	9706.7	10598.7	10641.9	10437.9	10199.3	10643.6	11029.1	9772.4
60°	4776.4	4790.2	5860.3	8031.6	9749.9	10479.4	10401.6	10047.2	10415.4	10660.9	8980.6
62.5°	2698.5	2700.2	3554.2	5360.7	7283.0	8541.5	8589.9	8277.0	7967.6	8040.2	6251.0
65°	1013.0	1108.1	1623.3	2634.5	4199.0	5042.6	5243.2	5315.8	4800.6	4480.8	3352.0
67.5°	677.7	700.1	947.3	1355.3	1868.7	2157.4	2413.3	2420.2	1770.2	1578.3	1320.7
70°	516.9	539.4	745.1	969.8	947.3	874.7	945.6	919.7	950.8	976.7	1004.4
72.5°	385.5	408.0	577.4	684.6	568.7	560.1	634.4	705.3	771.0	798.7	841.9
75°	255.8	273.1	389.0	366.5	314.6	371.7	463.3	534.2	572.2	605.0	637.9
77.5°	162.5	174.6	207.4	167.7	174.6	217.8	269.7	333.6	369.9	402.8	420.1
80°	74.3	72.6	70.9	79.5	98.5	127.9	162.5	200.5	228.2	242.0	252.4
82.5°	29.4	32.8	36.3	43.2	53.6	69.1	91.6	117.6	140.0	143.5	152.1
85°	12.1	13.8	15.6	19.0	24.2	31.1	38.0	53.6	67.4	72.6	77.8
87.5°	0.0	0.0	0.0	0.0	1.7	3.5	5.2	8.6	15.6	17.3	19.0
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°	5239.7	5239.7	5239.7	5239.7	5239.7	5239.7	5239.7	5239.7	5239.7	5239.7	5239.7
2.5°	5274.3	5251.8	5289.8	5315.8	5340.0	5314.0	5305.4	5282.9	5279.5	5279.5	5291.6
5°	5322.7	5307.1	5346.9	5362.4	5360.7	5303.7	5269.1	5224.1	5201.7	5201.7	5205.1
7.5°	5409.1	5400.5	5422.9	5398.7	5343.4	5227.6	5113.5	5018.4	4954.5	4921.6	4932.0
10°	5552.6	5542.2	5523.2	5433.3	5274.3	5034.0	4800.6	4627.7	4524.0	4465.2	4468.7
12.5°	5692.6	5675.3	5607.9	5409.1	5082.4	4700.3	4394.4	4200.7	4086.7	4017.5	4001.9
15°	5846.5	5801.5	5656.3	5284.6	4769.5	4292.4	3972.6	3763.4	3640.6	3599.2	3597.4
17.5°	5993.4	5913.9	5651.1	5063.4	4394.4	3865.4	3543.8	3414.2	3393.4	3412.5	3417.6
20°	6142.1	6014.2	5594.1	4757.4	3948.4	3440.1	3274.2	3327.8	3405.5	3457.4	3469.5
22.5°	6295.9	6097.1	5464.4	4363.2	3478.2	3153.2	3222.3	3339.9	3436.7	3505.8	3512.7
25°	6468.8	6174.9	5270.8	3880.9	3101.3	3073.6	3210.2	3334.7	3438.4	3517.9	3531.7
27.5°	6567.3	6176.7	4999.4	3384.8	2928.4	3042.5	3180.8	3298.4	3402.1	3488.5	3504.1
30°	6664.2	6130.0	4569.0	2982.0	2878.3	3006.2	3130.7	3239.6	3338.1	3422.8	3441.8
32.5°	6800.7	6086.8	4072.8	2750.4	2848.9	2971.6	3073.6	3170.4	3246.5	3284.5	3294.9
35°	6970.1	6031.4	3545.6	2650.1	2829.9	2944.0	3033.9	3085.7	2987.2	2966.5	2988.9
37.5°	7207.0	5979.6	3020.0	2606.9	2817.8	2933.6	3013.1	2880.0	2759.0	2710.6	2727.9
40°	7462.8	5950.2	2663.9	2572.3	2823.0	2944.0	2926.7	2729.6	2555.0	2453.0	2449.6
42.5°	7680.6	5905.3	2435.7	2549.8	2836.8	2983.7	2809.1	2596.5	2337.2	2276.7	2278.4
45°	7827.6	5791.2	2314.7	2525.6	2848.9	2992.4	2753.8	2413.3	2228.3	2190.3	2188.5
47.5°	7888.1	5583.7	2236.9	2487.6	2847.2	2921.5	2641.5	2337.2	2152.2	2141.9	2148.8
50°	7848.3	5243.2	2157.4	2413.3	2805.7	2847.2	2511.8	2269.8	2100.4	2157.4	2198.9
52.5°	7701.4	4802.3	2062.3	2311.3	2731.4	2762.5	2446.1	2228.3	2062.3	2138.4	2171.3
55°	7663.3	4444.5	1941.3	2178.2	2620.7	2612.1	2377.0	2207.6	2036.4	2007.0	2012.2
57.5°	7613.2	4095.3	1740.8	1939.6	2340.7	2354.5	2311.3	2183.4	1969.0	1960.3	1969.0
60°	6614.0	3139.3	1552.4	1673.4	1922.3	1996.7	2236.9	2138.4	1860.1	1823.8	1822.1
62.5°	4320.0	1901.6	1381.2	1459.0	1566.2	1652.6	2039.9	2008.8	1740.8	1718.3	1733.9
65°	2323.4	1355.3	1256.8	1303.4	1362.2	1427.9	1690.7	1789.2	1573.1	1493.6	1495.3
67.5°	1187.6	1153.0	1163.4	1196.3	1241.2	1274.1	1363.9	1450.4	1341.5	1274.1	1272.3
70°	1016.5	1044.1	1059.7	1078.7	1108.1	1102.9	1111.6	1127.1	1118.5	1085.6	1083.9
72.5°	866.1	909.3	912.8	916.2	926.6	902.4	886.8	860.9	862.6	867.8	869.5
75°	658.6	700.1	710.5	705.3	715.7	684.6	663.8	637.9	606.8	601.6	605.0
77.5°	428.7	461.6	477.1	473.7	478.9	454.6	444.3	416.6	380.3	366.5	366.5
80°	259.3	278.3	290.4	293.9	299.1	281.8	264.5	240.3	224.7	209.2	209.2
82.5°	157.3	169.4	178.1	178.1	183.2	164.2	150.4	133.1	126.2	112.4	112.4
85°	79.5	88.2	91.6	89.9	86.4	70.9	65.7	57.0	53.6	46.7	46.7
87.5°	19.0	24.2	24.2	17.3	17.3	8.6	5.2	1.7	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)