

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: P636399

Luminaire Tested: GWS-SA3F-760-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636399
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-760-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20566.3 lumens
Efficiency: N/A
Efficacy: 112.3 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

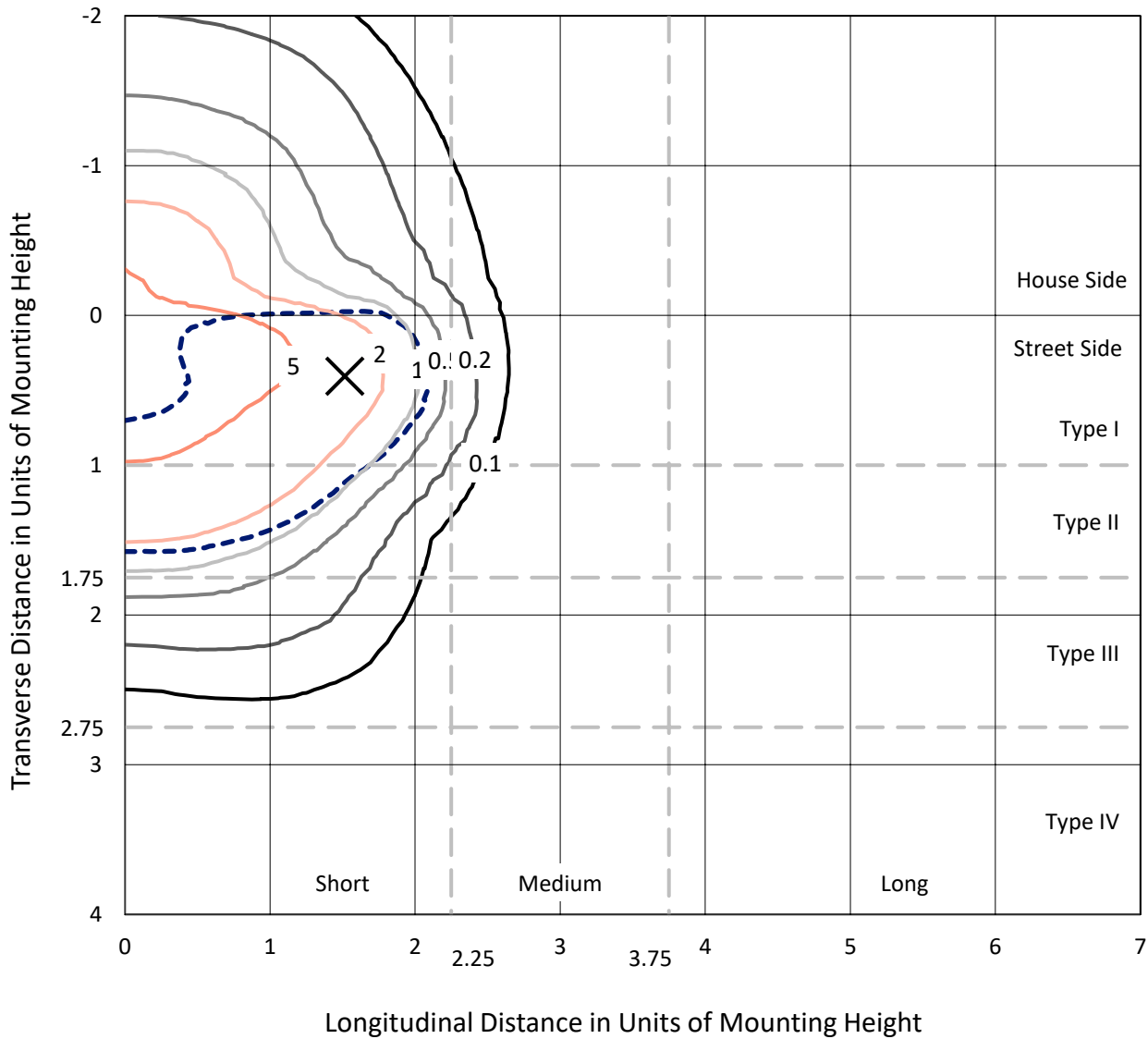
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

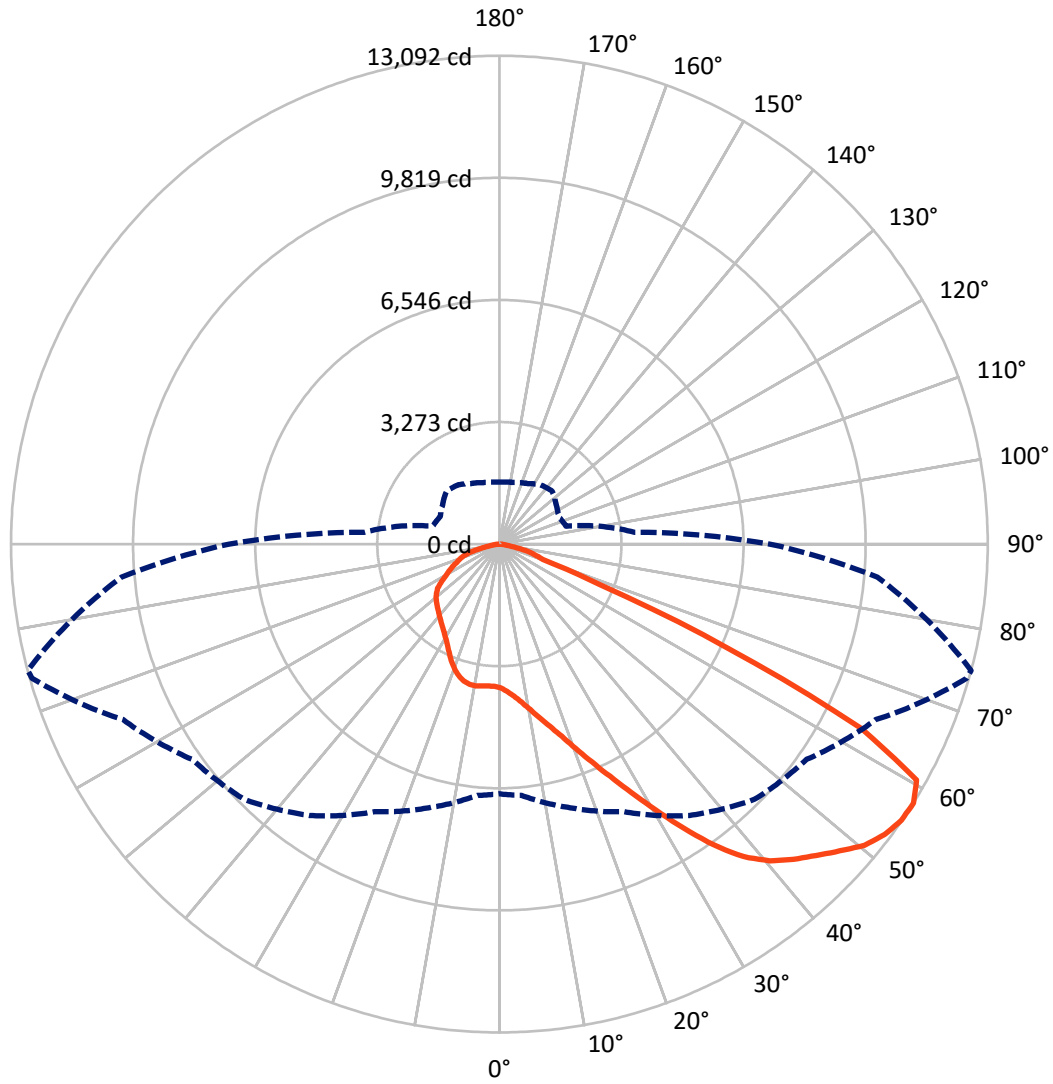
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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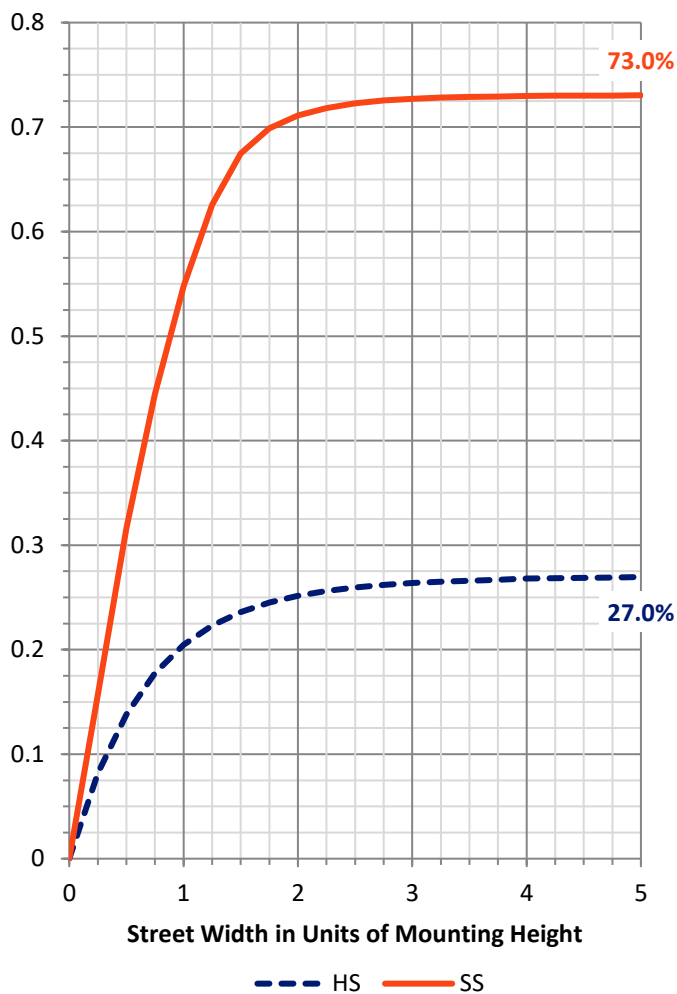
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5563.6	0.0	5563.6
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	15002.7	0.0	15002.7
	% Fixture	72.9	0.0	72.9
Total	Lumens	20566.3	0.0	20566.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.4	1.9
10°-20°	1227.1	6.0
20°-30°	2176.3	10.6
30°-40°	3331.5	16.2
40°-50°	4638.8	22.6
50°-60°	5315.2	25.8
60°-70°	2731.0	13.3
70°-80°	687.6	3.3
80°-90°	73.5	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°	20566.3	100.0
0°-180°	20566.3	100.0

Coefficient of Utilization



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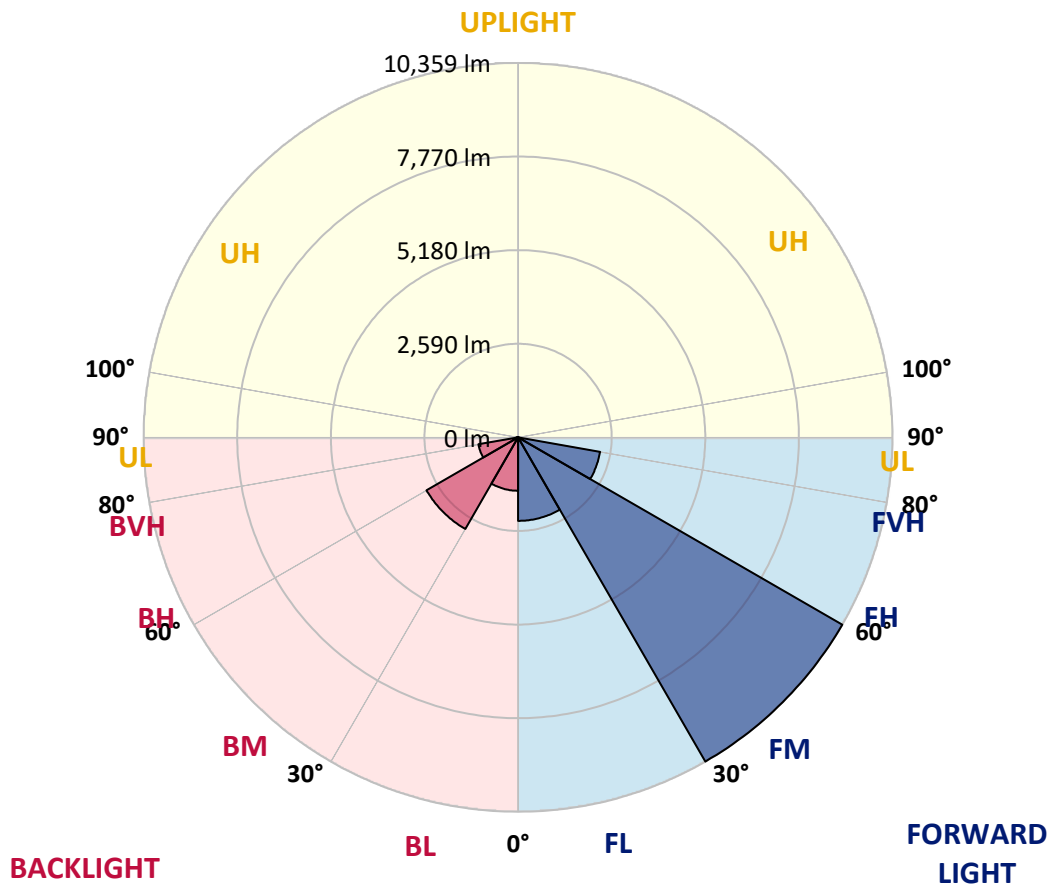
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2310.8	11.2			
FM (30°-60°)	10359.5	50.4			
FH (60°-80°)	2305.3	11.2			G2/5000
FVH (80°-90°)	27.2	0.1			G1/100
BL (0°-30°)	1478.0	7.2	B3/2500		
BM (30°-60°)	2925.9	14.2	B3/5000		
BH (60°-80°)	1113.3	5.4	B3/2500		G3/2500
BVH (80°-90°)	46.3	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°	74°	75°	85°
0°	3851.6	3851.6	3851.6	3851.6	3851.6	3851.6	3851.6	3851.6	3851.6	3851.6	3851.6
2.5°	4138.1	4148.7	4138.1	4155.7	4120.4	4104.5	4065.6	4007.2	3961.2	3954.1	3902.9
5°	4459.9	4482.9	4468.7	4461.7	4413.9	4378.6	4320.2	4203.5	4108.0	4093.8	3993.0
7.5°	4666.8	4682.7	4682.7	4688.0	4670.3	4629.7	4567.8	4429.8	4295.4	4274.2	4122.1
10°	4735.8	4748.2	4771.1	4815.4	4850.7	4863.1	4822.4	4689.8	4525.3	4504.1	4291.9
12.5°	4751.7	4765.8	4801.2	4882.6	4979.8	5068.2	5075.3	4978.0	4794.1	4771.1	4488.2
15°	4781.8	4795.9	4843.6	4944.4	5087.7	5257.5	5361.8	5294.6	5091.2	5066.5	4711.0
17.5°	4778.2	4794.1	4864.9	4999.3	5192.0	5437.8	5639.4	5667.7	5457.3	5414.8	4963.9
20°	4769.4	4783.5	4859.6	5024.0	5262.8	5600.5	5964.8	6111.6	5885.2	5846.3	5259.2
22.5°	4840.1	4856.0	4914.4	5050.5	5299.9	5726.1	6265.4	6619.1	6392.8	6337.9	5598.8
25°	4999.3	5022.3	5057.6	5151.3	5367.1	5837.5	6573.1	7193.8	6962.2	6896.8	5968.3
27.5°	5245.1	5273.4	5322.9	5367.1	5517.4	5979.0	6879.1	7837.5	7605.9	7536.9	6359.2
30°	5545.7	5582.8	5646.5	5676.6	5779.1	6187.6	7211.5	8500.7	8366.3	8270.8	6799.5
32.5°	5961.3	6012.6	6072.7	6081.5	6143.4	6504.2	7540.5	9158.5	9156.8	9089.6	7300.0
35°	6502.4	6557.2	6569.6	6582.0	6612.0	6939.2	7938.3	9758.0	9989.7	9911.9	7844.6
37.5°	7093.1	7172.6	7192.1	7137.3	7179.7	7462.6	8385.8	10239.0	10714.7	10631.6	8371.6
40°	7724.4	7756.2	7809.3	7722.6	7775.7	8062.1	8824.3	10546.7	11255.9	11167.4	8787.2
42.5°	8177.1	8235.4	8315.0	8283.2	8313.2	8575.0	9132.0	10695.3	11641.4	11553.0	9086.0
45°	8668.7	8686.4	8737.7	8730.6	8748.3	8992.3	9353.1	10760.7	11986.2	11906.6	9340.7
47.5°	9096.6	9123.2	9156.8	9117.9	9079.0	9238.1	9533.4	10817.3	12384.1	12288.6	9607.7
50°	9508.7	9531.7	9572.3	9459.2	9314.2	9354.8	9621.9	10895.1	12757.2	12690.0	9818.2
52.5°	9584.7	9609.5	9800.5	9823.5	9637.8	9494.5	9777.5	11066.6	12976.5	12934.1	9894.2
55°	8628.0	8672.2	9052.4	9489.2	9947.2	9901.3	10026.8	11156.8	13063.2	13073.8	10030.4
57.5°	6696.9	6760.6	7315.9	7915.4	8879.1	9676.7	10058.7	11133.8	13033.1	13091.5	10170.1
60°	4392.7	4429.8	5087.7	5759.7	6758.8	7862.3	9002.9	10720.0	12766.1	12849.2	10134.7
62.5°	2652.6	2695.0	3223.8	3733.1	4322.0	5059.4	6106.3	8615.6	10700.6	10886.3	8117.0
65°	1851.5	1908.1	2371.4	2790.5	2993.9	2841.8	3092.9	4811.8	6666.9	6744.7	4960.4
67.5°	1342.2	1381.1	1761.3	2260.0	2484.6	2007.1	1529.7	2130.9	2903.7	2932.0	2046.0
70°	878.9	923.1	1267.9	1720.7	2028.4	1626.9	1144.2	1153.0	1222.0	1236.1	1188.4
72.5°	482.8	509.3	783.4	1142.4	1199.0	972.6	893.0	958.5	1006.2	1006.2	1018.6
75°	249.3	272.3	320.1	376.7	454.5	532.3	643.7	741.0	792.2	795.8	790.5
77.5°	127.3	136.2	171.5	185.7	203.4	237.0	307.7	394.4	440.3	458.0	454.5
80°	60.1	63.7	72.5	84.9	104.3	132.6	166.2	198.1	226.4	229.9	249.3
82.5°	31.8	35.4	38.9	46.0	56.6	70.7	97.3	116.7	134.4	137.9	153.9
85°	12.4	14.1	15.9	17.7	24.8	30.1	40.7	54.8	67.2	67.2	79.6
87.5°	0.0	0.0	0.0	0.0	1.8	3.5	7.1	8.8	12.4	12.4	21.2
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°	3851.6	3851.6	3851.6	3851.6	3851.6	3851.6	3851.6	3851.6	3851.6	3851.6	3851.6
2.5°	3890.5	3839.2	3816.2	3779.1	3749.0	3715.4	3688.9	3669.4	3657.1	3650.0	3642.9
5°	3954.1	3876.3	3814.4	3740.2	3688.9	3639.4	3598.7	3570.4	3556.3	3545.6	3538.6
7.5°	4053.2	3948.8	3832.1	3717.2	3627.0	3547.4	3496.1	3466.1	3446.6	3439.5	3434.2
10°	4189.3	4044.3	3851.6	3669.4	3535.0	3448.4	3413.0	3398.9	3400.6	3397.1	3395.3
12.5°	4343.2	4145.1	3846.3	3584.5	3436.0	3384.7	3386.5	3409.5	3436.0	3443.1	3444.8
15°	4509.4	4244.2	3795.0	3474.9	3358.2	3363.5	3409.5	3464.3	3513.8	3533.3	3536.8
17.5°	4689.8	4327.3	3701.3	3354.7	3294.5	3351.1	3436.0	3526.2	3598.7	3630.5	3639.4
20°	4891.4	4398.0	3568.6	3236.2	3234.4	3328.1	3451.9	3570.4	3662.4	3704.8	3711.9
22.5°	5105.4	4442.2	3405.9	3126.5	3172.5	3298.1	3439.5	3563.3	3660.6	3703.0	3711.9
25°	5321.1	4456.4	3227.3	3025.7	3108.8	3250.3	3379.4	3478.4	3570.4	3607.5	3614.6
27.5°	5522.7	4415.7	3057.6	2939.1	3050.5	3179.6	3266.2	3319.3	3382.9	3411.2	3416.5
30°	5727.8	4334.3	2914.3	2870.1	2985.1	3082.3	3121.2	3124.8	3149.5	3149.5	3153.1
32.5°	5934.7	4214.1	2788.8	2802.9	2903.7	2967.4	2972.7	2932.0	2901.9	2852.4	2850.7
35°	6173.5	4092.1	2686.2	2726.9	2808.2	2847.1	2831.2	2753.4	2680.9	2599.5	2596.0
37.5°	6394.5	3966.5	2599.5	2649.1	2700.3	2728.6	2691.5	2597.8	2537.7	2454.5	2442.2
40°	6576.7	3853.3	2516.4	2567.7	2592.5	2617.2	2557.1	2481.1	2489.9	2443.9	2442.2
42.5°	6682.8	3743.7	2438.6	2477.5	2493.4	2511.1	2458.1	2401.5	2449.2	2413.9	2415.6
45°	6760.6	3648.2	2367.9	2382.0	2420.9	2447.5	2397.9	2334.3	2344.9	2208.7	2176.9
47.5°	6849.0	3595.2	2300.7	2286.5	2355.5	2401.5	2325.4	2233.5	2169.8	2035.4	2023.0
50°	6942.7	3575.7	2230.0	2191.0	2274.2	2318.4	2230.0	2115.0	2031.9	1959.4	1952.3
52.5°	6974.6	3573.9	2141.5	2076.1	2159.2	2221.1	2146.8	2030.1	1931.1	1860.4	1856.8
55°	7100.1	3625.2	2028.4	1918.7	1996.5	2123.8	2069.0	1901.0	1821.5	1789.6	1786.1
57.5°	7246.9	3634.1	1849.7	1747.2	1855.1	2005.4	1936.4	1791.4	1704.7	1665.8	1662.3
60°	7186.8	3416.5	1658.8	1616.3	1734.8	1894.0	1830.3	1704.7	1603.9	1566.8	1563.3
62.5°	5476.7	2412.1	1519.1	1503.1	1605.7	1733.0	1720.7	1589.8	1494.3	1467.8	1464.2
65°	3294.5	1694.1	1384.7	1382.9	1455.4	1577.4	1593.3	1487.2	1386.4	1349.3	1349.3
67.5°	1628.7	1296.2	1232.6	1223.7	1269.7	1356.4	1423.6	1336.9	1252.0	1216.7	1211.4
70°	1151.2	1142.4	1121.2	1096.4	1105.2	1140.6	1168.9	1096.4	1006.2	970.9	963.8
72.5°	995.6	997.4	983.2	963.8	956.7	931.9	907.2	854.1	799.3	762.2	765.7
75°	772.8	776.3	785.2	778.1	758.6	732.1	705.6	638.4	594.2	558.8	551.7
77.5°	450.9	468.6	496.9	489.8	493.4	456.2	445.6	380.2	339.5	314.8	309.5
80°	254.6	265.3	277.6	286.5	275.9	260.0	237.0	201.6	189.2	171.5	168.0
82.5°	153.9	164.5	169.8	176.8	173.3	152.1	134.4	111.4	100.8	92.0	90.2
85°	77.8	84.9	90.2	93.7	83.1	69.0	61.9	49.5	42.4	37.1	37.1
87.5°	19.5	21.2	24.8	21.2	19.5	8.8	7.1	1.8	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)