

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: P636079

Luminaire Tested: GWS-SA3F-722-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636079
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-722-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18022.5 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

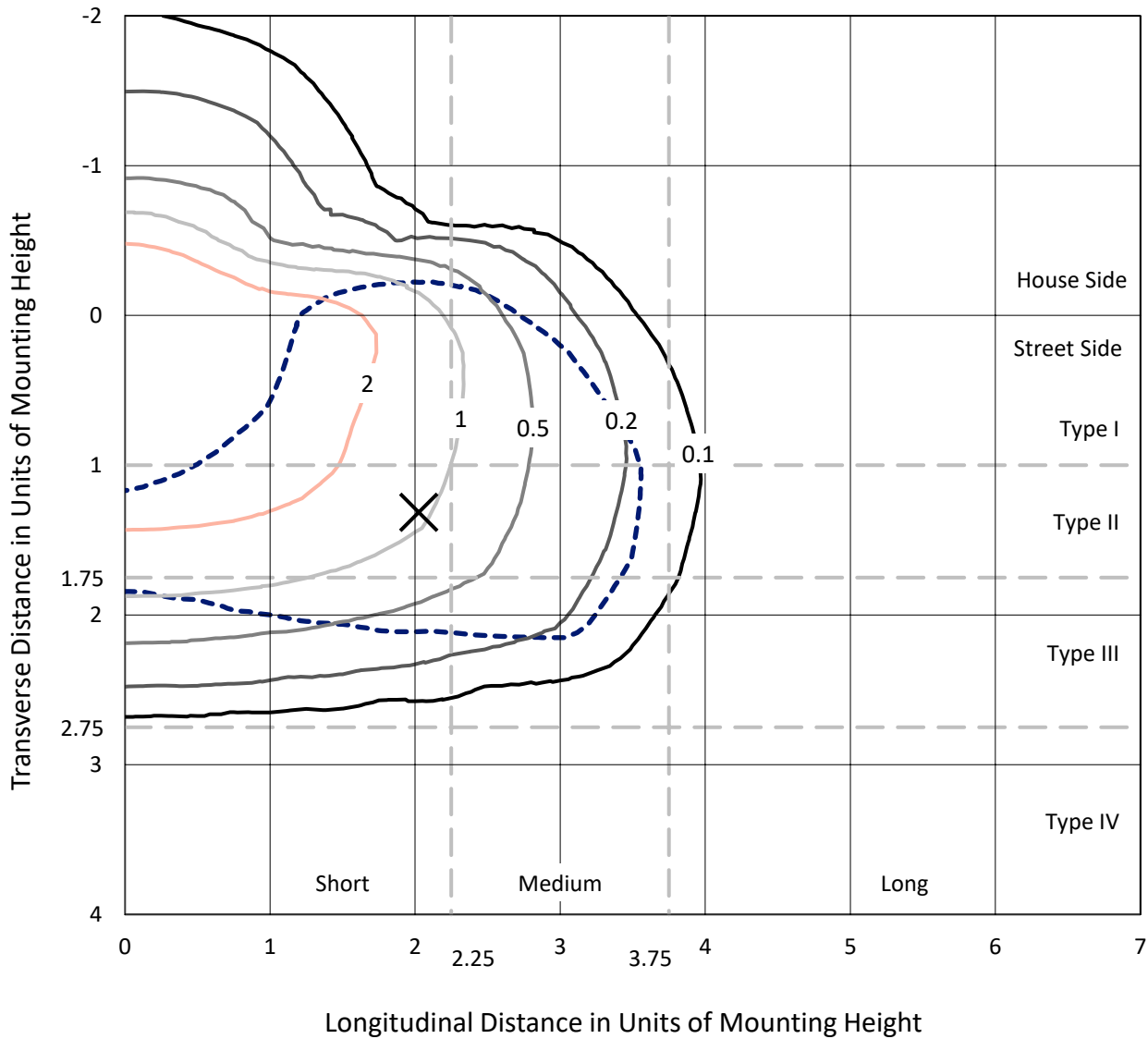
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

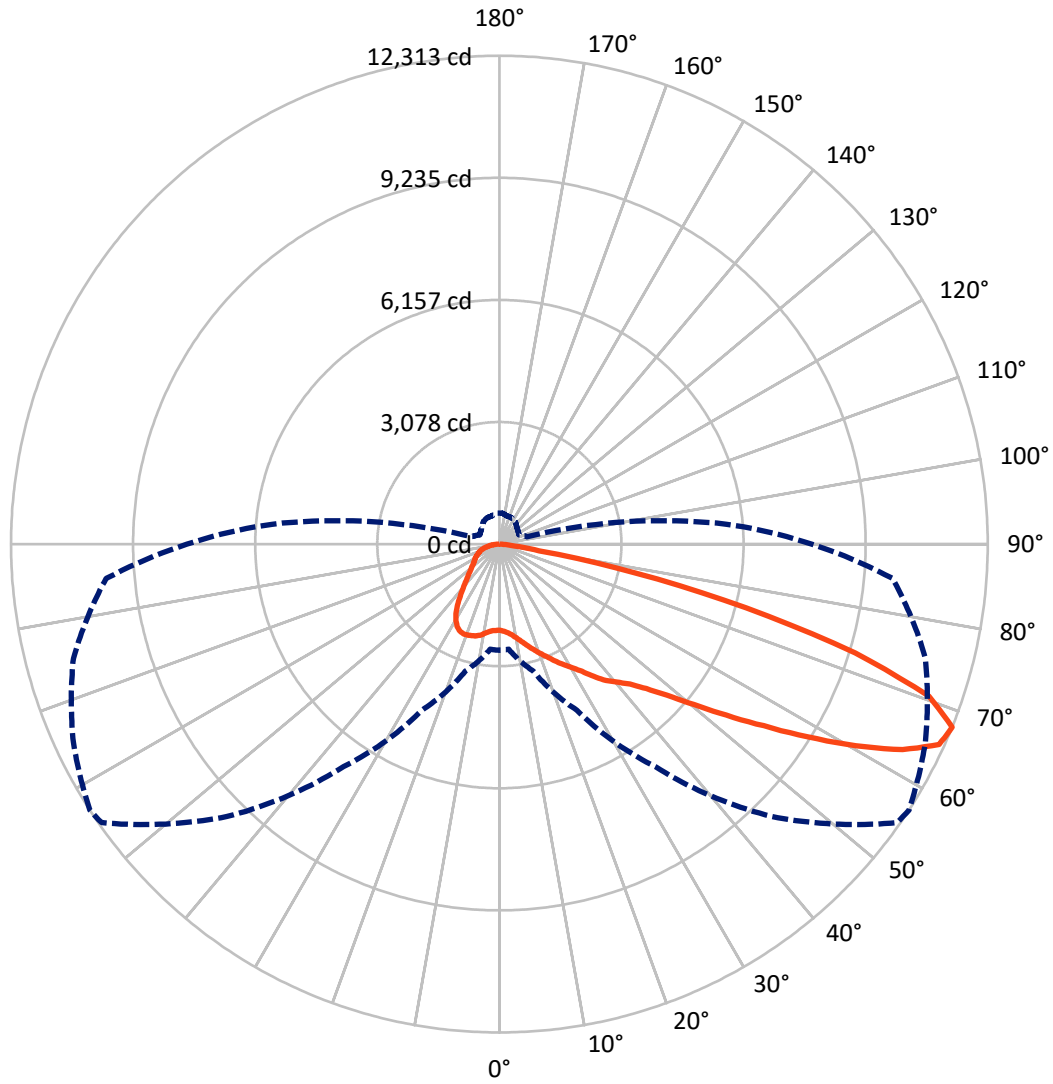
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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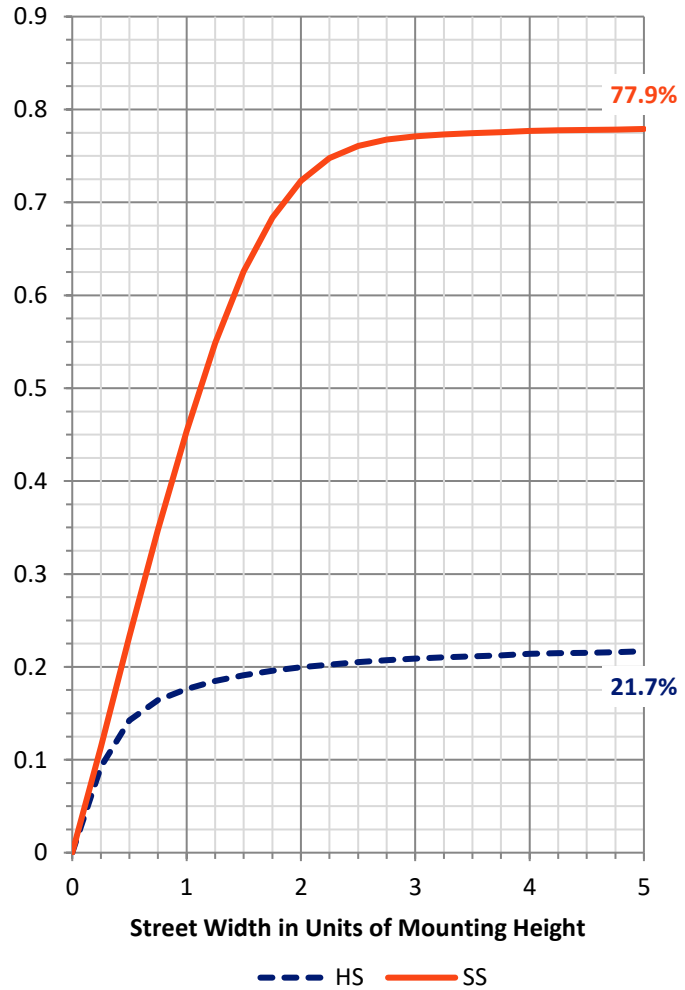
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3962.5	0.0	3962.5
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	14060.0	0.0	14060.0
	% Fixture	78.0	0.0	78.0
Total	Lumens	18022.5	0.0	18022.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.4	1.2
10°-20°	713.0	4.0
20°-30°	1271.2	7.1
30°-40°	1848.1	10.3
40°-50°	2674.8	14.8
50°-60°	4186.0	23.2
60°-70°	4883.2	27.1
70°-80°	2038.5	11.3
80°-90°	192.4	1.1
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°	18022.5	100.0
0°-180°	18022.5	100.0

Coefficient of Utilization



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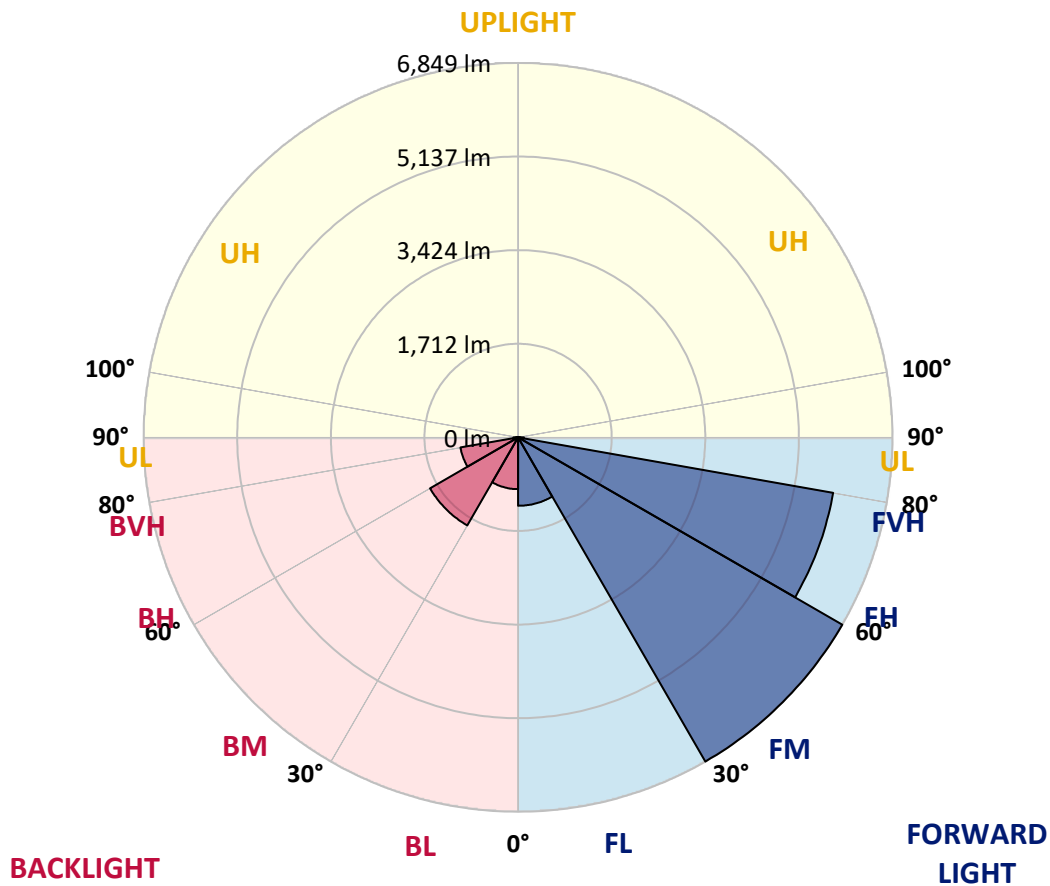
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1251.8	6.9			
FM (30°-60°)	6848.8	38.0			
FH (60°-80°)	5852.2	32.5			G3/7500
FVH (80°-90°)	107.2	0.6			G2/225
BL (0°-30°)	947.7	5.3	B2/1000		
BM (30°-60°)	1860.1	10.3	B2/2500		
BH (60°-80°)	1069.5	5.9	B3/2500		G3/2500
BVH (80°-90°)	85.2	0.5			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2171.6	2171.6	2171.6	2171.6	2171.6	2171.6	2171.6	2171.6	2171.6	2171.6	2171.6
2.5°	2202.6	2200.0	2198.7	2206.4	2203.9	2202.6	2202.6	2201.3	2198.7	2188.4	2174.2
5°	2263.3	2258.1	2252.9	2259.4	2254.2	2249.1	2247.8	2245.2	2236.1	2220.6	2198.7
7.5°	2326.5	2321.4	2322.6	2326.5	2322.6	2320.1	2316.2	2313.6	2299.4	2274.9	2245.2
10°	2415.6	2415.6	2418.2	2422.1	2423.3	2419.5	2411.7	2407.9	2391.1	2360.1	2318.8
12.5°	2544.7	2542.1	2542.1	2539.5	2543.4	2539.5	2531.8	2525.3	2504.7	2464.7	2405.3
15°	2715.1	2704.8	2695.8	2679.0	2673.8	2659.6	2662.2	2658.3	2639.0	2584.7	2509.9
17.5°	2897.2	2895.9	2881.7	2848.1	2814.5	2791.3	2796.5	2795.2	2784.8	2711.3	2615.7
20°	3057.3	3063.7	3050.8	3025.0	2979.8	2935.9	2933.3	2939.8	2926.9	2853.3	2720.3
22.5°	3236.7	3231.6	3218.7	3185.1	3151.5	3105.0	3089.5	3084.4	3079.2	2995.3	2827.5
25°	3407.1	3422.6	3405.9	3374.9	3323.2	3272.9	3260.0	3265.1	3250.9	3139.9	2942.4
27.5°	3622.8	3629.2	3618.9	3576.3	3532.4	3461.4	3436.8	3436.8	3431.7	3275.5	3032.7
30°	3852.6	3870.6	3852.6	3817.7	3772.5	3670.5	3617.6	3612.4	3596.9	3414.9	3138.6
32.5°	4083.7	4096.6	4083.7	4050.1	3998.5	3909.4	3833.2	3821.6	3800.9	3567.2	3247.1
35°	4289.0	4300.6	4298.0	4305.7	4263.1	4150.8	4104.3	4099.2	4044.9	3766.1	3394.2
37.5°	4513.6	4527.8	4508.4	4523.9	4507.1	4401.3	4387.1	4361.3	4283.8	3953.3	3549.2
40°	4769.2	4782.1	4751.2	4757.6	4738.2	4678.9	4606.6	4571.7	4456.8	4156.0	3793.2
42.5°	5042.9	5072.6	5086.8	5075.2	5030.0	4996.5	4869.9	4826.0	4730.5	4521.3	4194.7
45°	5439.3	5483.2	5503.9	5474.2	5454.8	5407.0	5252.1	5199.2	5148.8	5036.5	4755.0
47.5°	5866.6	5906.7	5972.5	5985.4	6000.9	5964.8	5746.6	5694.9	5704.0	5691.1	5444.5
50°	6207.5	6241.1	6389.5	6548.3	6680.0	6690.4	6411.5	6356.0	6405.0	6446.3	6274.6
52.5°	6455.4	6485.1	6681.3	7009.2	7307.5	7528.3	7227.4	7164.2	7204.2	7297.2	7218.4
55°	6656.8	6698.1	6903.4	7406.9	8009.8	8358.4	8166.1	8086.0	8069.2	8184.1	8229.3
57.5°	6762.7	6775.6	7063.5	7718.0	8525.0	9173.1	9257.0	9166.6	9006.5	9069.8	9304.8
60°	6521.2	6543.2	6936.9	7798.1	8931.7	9981.3	10402.2	10327.3	9986.5	10021.3	10280.8
62.5°	5853.7	5884.7	6358.5	7417.2	8965.2	10521.0	11459.6	11411.8	10954.8	10766.3	10843.7
65°	4695.6	4706.0	5196.6	6474.7	8297.7	10588.1	12196.8	12185.2	11631.3	11189.7	10857.9
67.5°	2677.7	2659.6	3315.5	4618.2	6847.9	9715.3	12244.6	12313.0	11850.8	11120.0	9954.2
70°	1160.7	1163.3	1465.4	2278.7	4432.3	7852.3	11373.1	11490.6	11215.6	9959.4	7919.5
72.5°	537.1	544.8	675.2	986.4	1892.7	4871.2	9273.8	9379.7	9143.4	7971.1	5762.1
75°	379.6	386.0	450.6	565.5	870.2	1897.9	6203.6	6425.7	6540.6	5962.2	3797.1
77.5°	287.9	296.9	329.2	392.5	537.1	672.7	2968.2	3497.5	4166.3	3709.3	1956.0
80°	183.3	183.3	218.2	262.1	327.9	349.9	857.3	1016.1	2038.6	1528.6	768.2
82.5°	123.9	127.8	148.5	166.5	188.5	198.8	368.0	392.5	588.7	520.3	316.3
85°	65.8	68.4	77.5	76.2	90.4	78.8	154.9	153.6	215.6	236.3	120.1
87.5°	0.0	0.0	1.3	1.3	2.6	3.9	16.8	18.1	45.2	72.3	40.0
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°	2171.6	2171.6	2171.6	2171.6	2171.6	2171.6	2171.6	2171.6	2171.6	2171.6	2171.6
2.5°	2181.9	2166.4	2174.2	2171.6	2179.3	2179.3	2165.1	2161.3	2162.6	2147.1	2141.9
5°	2201.3	2183.2	2187.1	2181.9	2189.7	2196.1	2189.7	2189.7	2197.4	2185.8	2179.3
7.5°	2245.2	2224.5	2224.5	2218.1	2227.1	2232.3	2227.1	2234.9	2249.1	2237.4	2231.0
10°	2314.9	2290.4	2291.7	2283.9	2287.8	2285.2	2264.5	2258.1	2262.0	2251.6	2246.5
12.5°	2405.3	2371.7	2371.7	2356.2	2347.2	2320.1	2277.5	2262.0	2264.5	2255.5	2251.6
15°	2491.8	2460.8	2454.3	2423.3	2382.0	2331.7	2292.9	2282.6	2285.2	2276.2	2269.7
17.5°	2593.8	2553.7	2530.5	2473.7	2397.5	2345.9	2307.2	2282.6	2262.0	2241.3	2236.1
20°	2688.0	2637.7	2595.1	2507.3	2414.3	2343.3	2271.0	2210.3	2160.0	2132.9	2126.4
22.5°	2784.8	2720.3	2645.4	2530.5	2413.0	2296.8	2163.8	2072.2	1997.3	1957.3	1965.0
25°	2876.5	2795.2	2693.2	2552.5	2371.7	2193.5	2012.8	1875.9	1790.7	1759.7	1750.7
27.5°	2952.7	2852.0	2737.1	2542.1	2286.5	2045.1	1806.2	1653.9	1571.2	1536.4	1527.3
30°	3037.9	2924.3	2800.3	2494.4	2152.2	1837.2	1572.5	1448.6	1389.2	1355.6	1356.9
32.5°	3136.0	3017.2	2889.4	2402.7	1980.5	1612.6	1380.2	1294.9	1247.2	1213.6	1208.4
35°	3267.7	3150.2	2948.8	2264.5	1762.3	1406.0	1248.5	1178.8	1119.4	1075.5	1066.4
37.5°	3430.4	3350.3	2955.3	2079.9	1528.6	1264.0	1154.2	1079.3	1007.0	948.9	942.5
40°	3709.3	3617.6	2902.3	1848.8	1329.8	1172.3	1075.5	989.0	905.0	840.5	831.5
42.5°	4106.9	3918.4	2788.7	1588.0	1180.0	1100.0	1000.6	890.8	805.6	760.4	754.0
45°	4613.0	4254.1	2618.3	1342.7	1069.0	1029.0	921.8	806.9	761.7	729.5	723.0
47.5°	5232.7	4645.3	2422.1	1151.6	982.5	964.4	841.8	778.5	738.5	711.4	704.9
50°	5973.8	5143.6	2260.7	1001.9	905.0	889.6	816.0	761.7	729.5	707.5	702.3
52.5°	6819.5	5697.5	2181.9	894.7	837.9	822.4	806.9	757.9	730.7	714.0	707.5
55°	7697.4	6281.1	2108.3	812.1	781.1	790.1	808.2	770.8	750.1	728.2	721.7
57.5°	8545.6	6828.5	1927.6	747.5	739.8	774.6	814.7	783.7	759.2	737.2	729.5
60°	9130.5	7128.0	1621.6	695.9	708.8	755.3	797.9	764.3	733.3	724.3	720.4
62.5°	9288.0	7091.9	1258.8	643.0	671.4	712.7	754.0	732.0	699.8	714.0	715.3
65°	8920.0	6704.6	945.1	591.3	622.3	657.2	708.8	699.8	688.1	726.9	728.2
67.5°	7878.1	5753.0	720.4	546.1	571.9	614.6	694.6	732.0	734.6	783.7	778.5
70°	5960.9	4298.0	564.2	503.5	533.2	614.6	739.8	756.6	725.6	770.8	760.4
72.5°	4121.1	2836.5	480.3	466.1	485.4	586.1	738.5	738.5	704.9	704.9	685.6
75°	2560.2	1668.1	418.3	418.3	418.3	512.6	717.8	680.4	621.0	593.9	578.4
77.5°	1264.0	810.8	351.2	364.1	349.9	428.6	586.1	556.5	520.3	491.9	481.6
80°	539.7	405.4	284.0	298.2	281.5	322.8	464.8	458.3	423.5	386.0	374.4
82.5°	247.9	209.2	227.2	233.7	205.3	242.7	339.6	339.6	320.2	268.5	249.2
85°	105.9	111.0	157.5	157.5	129.1	136.9	182.0	173.0	154.9	126.5	116.2
87.5°	36.2	54.2	80.0	69.7	27.1	11.6	6.5	2.6	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)