

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: P642836

Luminaire Tested: GWS-SA6D-760-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-760-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35856.7 lumens
Efficiency: N/A
Efficacy: 145.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

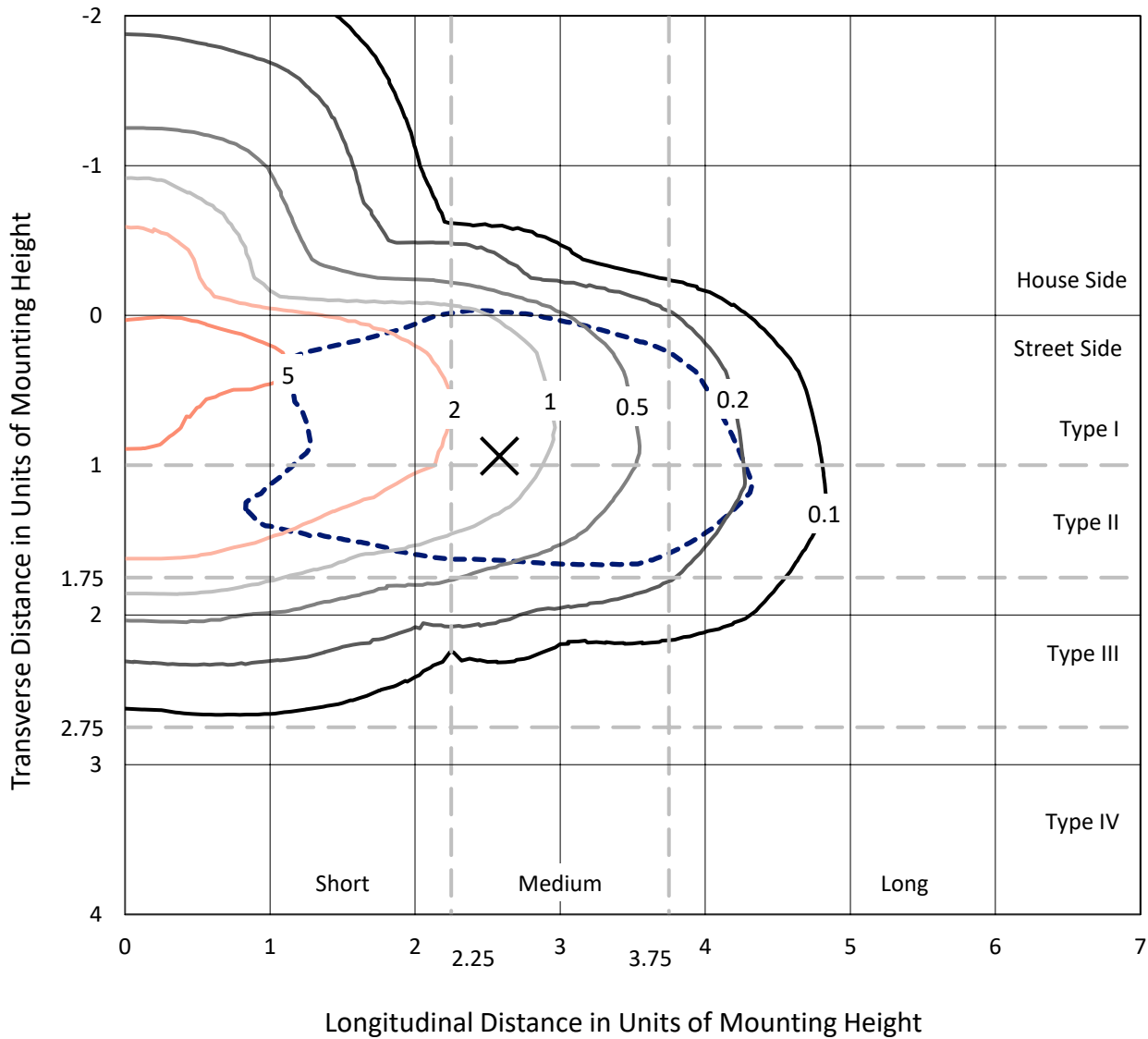
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

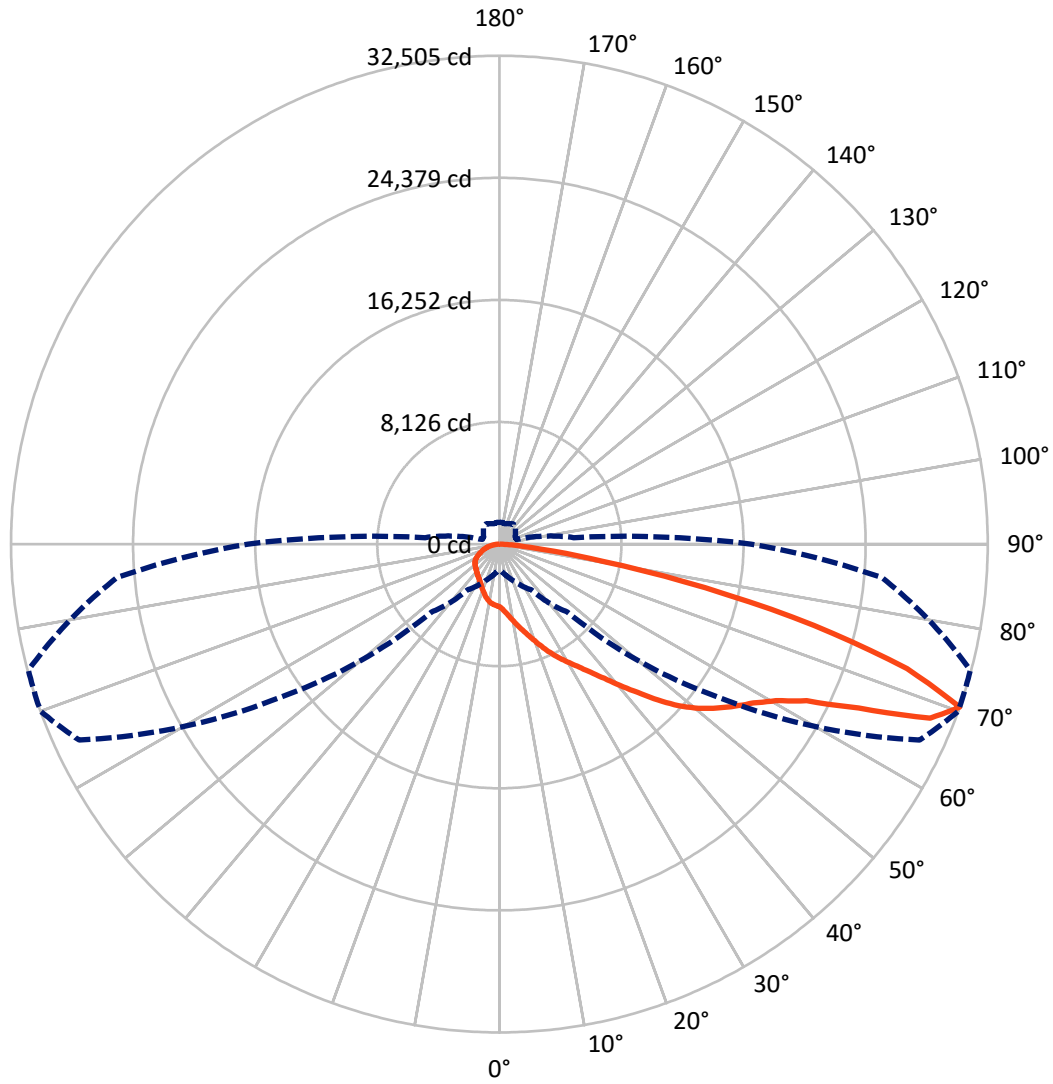
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6425.6	0.0	6425.6
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	29431.1	0.0	29431.1
	% Fixture	82.1	0.0	82.1
Total	Lumens	35856.7	0.0	35856.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.0	1.2
10°-20°	1382.6	3.9
20°-30°	2449.3	6.8
30°-40°	3686.2	10.3
40°-50°	5576.8	15.6
50°-60°	7989.1	22.3
60°-70°	8831.0	24.6
70°-80°	4983.6	13.9
80°-90°	533.1	1.5
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°	35856.7	100.0
0°-180°	35856.7	100.0

Coefficient of Utilization



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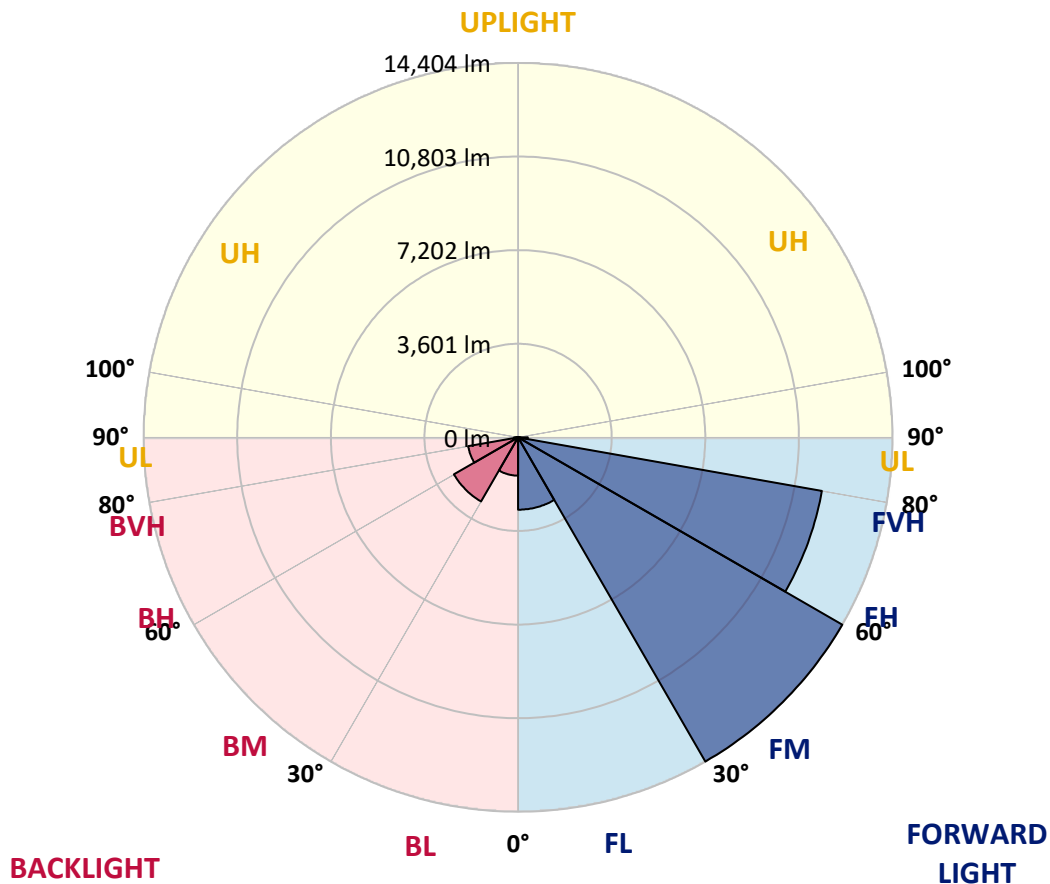
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2783.6	7.8			
FM (30°-60°)	14403.6	40.2			
FH (60°-80°)	11867.1	33.1			G4/12000
FVH (80°-90°)	376.8	1.1			G3/500
BL (0°-30°)	1473.3	4.1	B3/2500		
BM (30°-60°)	2848.5	7.9	B3/5000		
BH (60°-80°)	1947.5	5.4	B3/2500		G3/2500
BVH (80°-90°)	156.2	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	4181.6	4181.6	4181.6	4181.6	4181.6	4181.6	4181.6	4181.6	4181.6	4181.6	4181.6
2.5°	4632.4	4624.7	4629.9	4624.7	4596.2	4526.2	4469.2	4396.7	4347.4	4318.9	4251.6
5°	5176.5	5168.7	5150.6	5124.7	5072.9	4977.0	4834.5	4676.5	4580.6	4508.1	4365.6
7.5°	5567.7	5567.7	5565.1	5534.1	5497.8	5396.7	5228.3	5021.1	4881.2	4756.8	4523.6
10°	5767.2	5780.2	5798.3	5842.4	5834.6	5780.2	5622.1	5399.3	5223.2	5078.1	4730.9
12.5°	5876.1	5883.8	5914.9	6005.6	6098.9	6111.8	6018.5	5785.4	5593.6	5399.3	4961.5
15°	6016.0	6018.5	6060.0	6168.8	6306.1	6443.4	6420.1	6187.0	5990.0	5775.0	5218.0
17.5°	6124.8	6142.9	6218.0	6345.0	6516.0	6705.1	6819.1	6674.0	6430.5	6184.4	5497.8
20°	6163.6	6176.6	6275.0	6469.4	6702.5	6969.4	7223.3	7184.4	6938.3	6648.1	5813.9
22.5°	6303.5	6303.5	6376.1	6539.3	6813.9	7202.6	7614.5	7715.6	7497.9	7158.5	6153.3
25°	6611.9	6601.5	6635.2	6702.5	6909.8	7389.1	8000.5	8303.7	8060.1	7679.3	6492.7
27.5°	7034.2	7029.0	7026.4	7036.8	7106.7	7552.3	8327.0	8852.9	8609.4	8179.3	6795.8
30°	7492.7	7477.2	7510.9	7479.8	7464.2	7746.6	8604.2	9345.2	9156.1	8674.2	7047.1
32.5°	8117.1	8088.6	8080.9	7979.8	7917.6	8049.8	8827.0	9904.8	9754.6	9207.9	7329.5
35°	8941.0	8915.1	8783.0	8622.4	8438.4	8500.6	9104.3	10451.5	10461.9	9876.3	7700.0
37.5°	9772.7	9777.9	9674.2	9296.0	9106.8	9070.6	9526.6	11117.3	11340.2	10674.3	8179.3
40°	10464.4	10495.5	10495.5	10096.5	9814.1	9780.5	10119.9	11907.6	12350.6	11653.6	8785.6
42.5°	10990.4	11018.9	11109.6	10822.0	10524.0	10640.6	10840.1	12700.4	13495.7	12863.6	9552.5
45°	11568.2	11591.5	11640.7	11474.9	11301.3	11612.2	11656.2	13648.6	14806.7	14221.2	10443.7
47.5°	12335.0	12314.3	12319.5	12197.7	12063.0	12565.6	12555.3	14446.6	16073.6	15708.3	11410.1
50°	13288.5	13327.3	13291.1	13050.1	12892.1	13350.7	13410.2	15330.1	17187.7	17179.9	12384.3
52.5°	14205.6	14221.2	14412.9	14423.3	14099.4	14003.6	14159.0	16221.3	18128.2	18527.2	13319.6
55°	14252.3	14311.9	14887.0	15301.6	15824.9	15055.4	14915.5	17071.1	19037.6	19845.9	14291.1
57.5°	13260.0	13355.8	14332.6	15226.4	16682.5	16861.3	16211.0	18169.6	19947.0	21143.9	15415.6
60°	11140.7	11340.2	12666.7	14034.6	16296.5	18159.3	18861.4	19662.0	21141.3	22470.5	16780.9
62.5°	7114.5	7192.2	9052.4	11342.7	14558.0	18032.3	21747.6	22291.7	22960.1	24198.5	18884.7
65°	3562.4	3811.1	4901.9	6769.9	10498.1	15889.7	23206.3	27108.1	26289.4	27157.3	22294.3
67.5°	2417.3	2497.6	3049.4	4067.6	6155.9	11257.2	22302.0	31165.3	30924.4	31066.9	25929.2
70°	1782.5	1834.3	2269.6	2881.0	3723.1	6391.6	17755.1	30859.6	32504.8	32453.0	25548.4
72.5°	1300.6	1326.5	1655.6	2199.6	2759.3	3305.9	10842.7	24929.2	28375.0	29869.9	22343.5
75°	945.7	976.8	1150.3	1645.2	2145.2	2062.3	5352.7	18006.4	21638.8	24514.6	18203.3
77.5°	704.7	743.6	823.9	1031.2	1502.7	1476.8	2313.6	11692.5	13995.8	16011.5	11057.8
80°	507.8	515.6	562.2	660.7	953.4	865.3	1101.1	6096.3	6990.1	7658.6	4334.5
82.5°	308.3	316.1	375.7	406.8	590.7	544.1	572.6	1974.2	2829.2	3002.8	1619.3
85°	90.7	95.9	171.0	186.5	246.1	233.2	230.6	803.2	958.6	1225.5	637.3
87.5°	0.0	0.0	0.0	0.0	2.6	15.5	28.5	142.5	215.0	297.9	155.5
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°	4181.6	4181.6	4181.6	4181.6	4181.6	4181.6	4181.6	4181.6	4181.6	4181.6	4181.6
2.5°	4225.7	4166.1	4135.0	4080.6	4041.7	4002.9	3964.0	3927.7	3912.2	3888.9	3894.0
5°	4300.8	4207.5	4114.3	4008.0	3917.4	3842.2	3774.9	3715.3	3689.4	3666.1	3676.4
7.5°	4414.8	4274.9	4096.1	3901.8	3759.3	3655.7	3585.7	3544.3	3531.3	3513.2	3513.2
10°	4559.9	4350.0	4036.5	3759.3	3588.3	3505.4	3474.3	3471.7	3484.7	3487.3	3482.1
12.5°	4720.5	4422.6	3948.5	3590.9	3445.8	3419.9	3443.2	3487.3	3531.3	3554.6	3549.5
15°	4886.3	4469.2	3798.2	3430.3	3342.2	3375.9	3451.0	3539.1	3624.6	3668.6	3666.1
17.5°	5041.8	4479.6	3603.9	3274.8	3251.5	3337.0	3466.6	3603.9	3720.5	3782.6	3785.2
20°	5215.4	4461.4	3404.4	3134.9	3160.8	3300.7	3471.7	3637.6	3774.9	3837.1	3852.6
22.5°	5373.4	4399.3	3210.1	3002.8	3083.1	3256.7	3430.3	3585.7	3707.5	3767.1	3787.8
25°	5515.9	4280.1	2997.6	2891.4	3023.5	3194.5	3326.7	3435.5	3521.0	3557.2	3585.7
27.5°	5593.6	4101.3	2837.0	2803.3	2966.5	3106.4	3179.0	3212.7	3241.2	3230.8	3251.5
30°	5609.2	3878.5	2697.1	2733.3	2881.0	2984.7	3000.2	2966.5	2917.3	2837.0	2855.1
32.5°	5593.6	3622.0	2580.5	2658.2	2785.2	2847.3	2826.6	2738.5	2619.4	2495.0	2502.8
35°	5598.8	3362.9	2484.6	2575.3	2673.8	2707.4	2655.6	2533.9	2406.9	2292.9	2287.7
37.5°	5655.8	3145.3	2404.3	2495.0	2564.9	2570.1	2513.1	2386.2	2321.4	2235.9	2225.5
40°	5813.9	2984.7	2331.8	2414.7	2458.7	2456.1	2391.4	2300.7	2344.7	2316.2	2308.4
42.5°	6073.0	2886.2	2272.2	2329.2	2360.3	2365.4	2313.6	2256.6	2352.5	2316.2	2303.3
45°	6490.1	2881.0	2230.7	2243.7	2292.9	2329.2	2292.9	2228.1	2264.4	2088.2	2054.5
47.5°	6984.9	2969.1	2199.6	2168.5	2254.0	2318.8	2261.8	2158.2	2083.0	1922.4	1899.1
50°	7580.8	3147.9	2171.1	2088.2	2197.0	2279.9	2223.0	2080.5	1966.5	1881.0	1868.0
52.5°	8288.1	3383.7	2134.9	1997.5	2111.5	2259.2	2223.0	2072.7	1922.4	1844.7	1831.7
55°	9029.1	3655.7	2093.4	1888.7	2015.7	2264.4	2241.1	2018.3	1888.7	1847.3	1836.9
57.5°	9948.9	3982.1	2018.3	1761.8	1930.2	2217.8	2168.5	1987.2	1865.4	1831.7	1821.4
60°	11143.3	4466.6	1875.8	1632.2	1831.7	2134.9	2103.8	1935.4	1803.2	1774.7	1767.0
62.5°	13034.6	5287.9	1702.2	1507.9	1715.1	1961.3	2007.9	1836.9	1725.5	1722.9	1720.3
65°	16117.7	6275.0	1497.5	1396.5	1593.4	1818.8	1881.0	1735.9	1645.2	1673.7	1671.1
67.5°	18278.5	6360.5	1329.1	1279.9	1450.9	1663.3	1754.0	1632.2	1533.8	1588.2	1585.6
70°	16742.1	4961.5	1184.0	1158.1	1298.0	1494.9	1616.7	1502.7	1404.2	1456.1	1445.7
72.5°	14120.1	3803.4	1046.7	1031.2	1142.6	1318.7	1440.5	1373.2	1269.5	1269.5	1246.2
75°	11347.9	3137.5	901.6	893.8	969.0	1140.0	1277.3	1163.3	1067.4	1062.2	1046.7
77.5°	6508.2	2057.1	756.5	751.3	774.7	953.4	992.3	969.0	896.4	862.8	852.4
80°	2593.4	1070.0	595.9	562.2	585.5	699.5	782.4	743.6	681.4	639.9	616.6
82.5°	1005.3	536.3	419.7	367.9	401.6	505.2	567.4	554.4	513.0	419.7	393.8
85°	409.4	261.7	251.3	212.4	233.2	272.0	326.4	282.4	233.2	165.8	158.0
87.5°	108.8	95.9	93.3	57.0	44.0	13.0	2.6	0.0	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)