

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: P642231

Luminaire Tested: GWS-SA6C-740-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642231
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-SA6C-740-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28171.8 lumens
Efficiency: N/A
Efficacy: 148.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

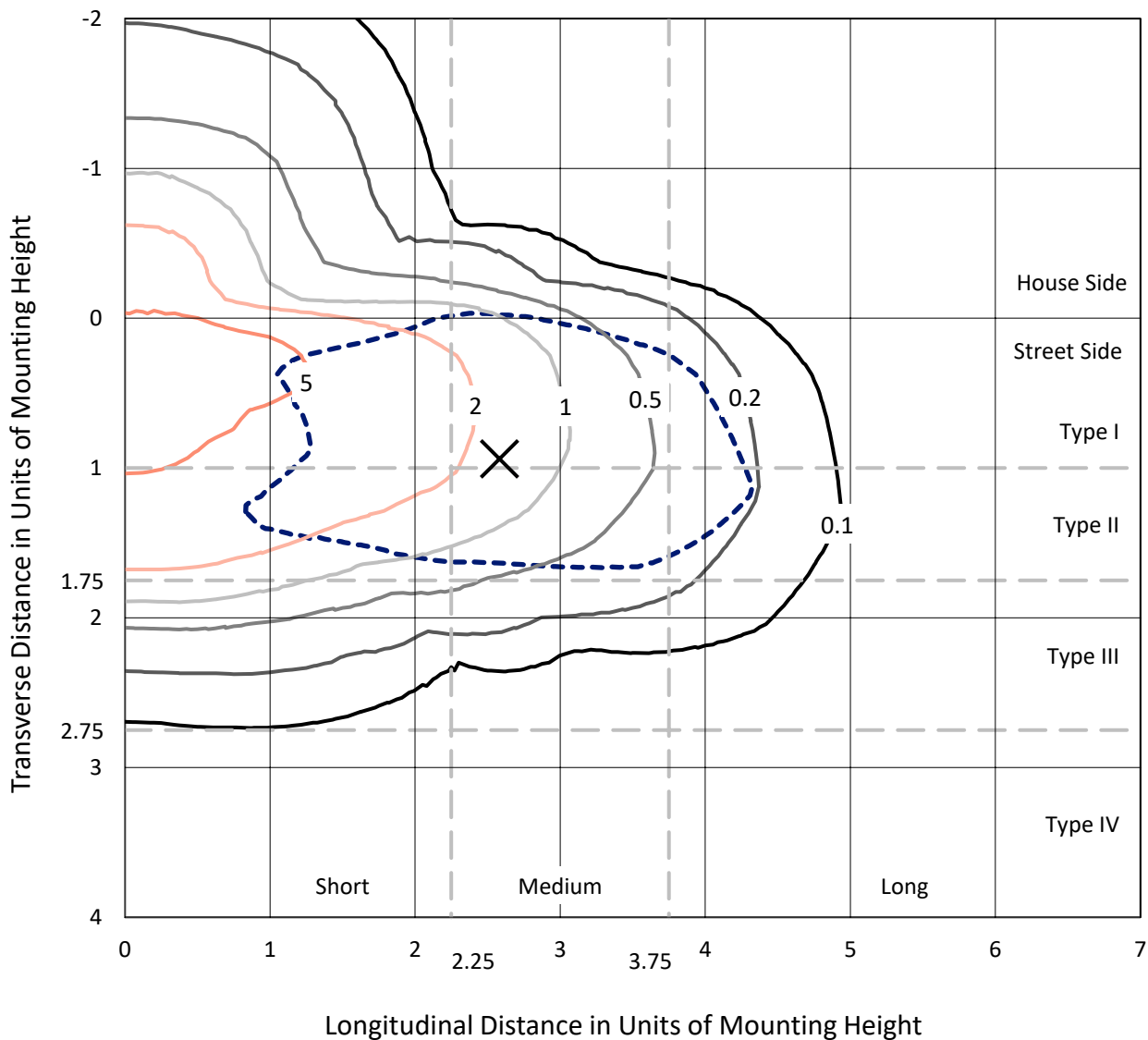
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

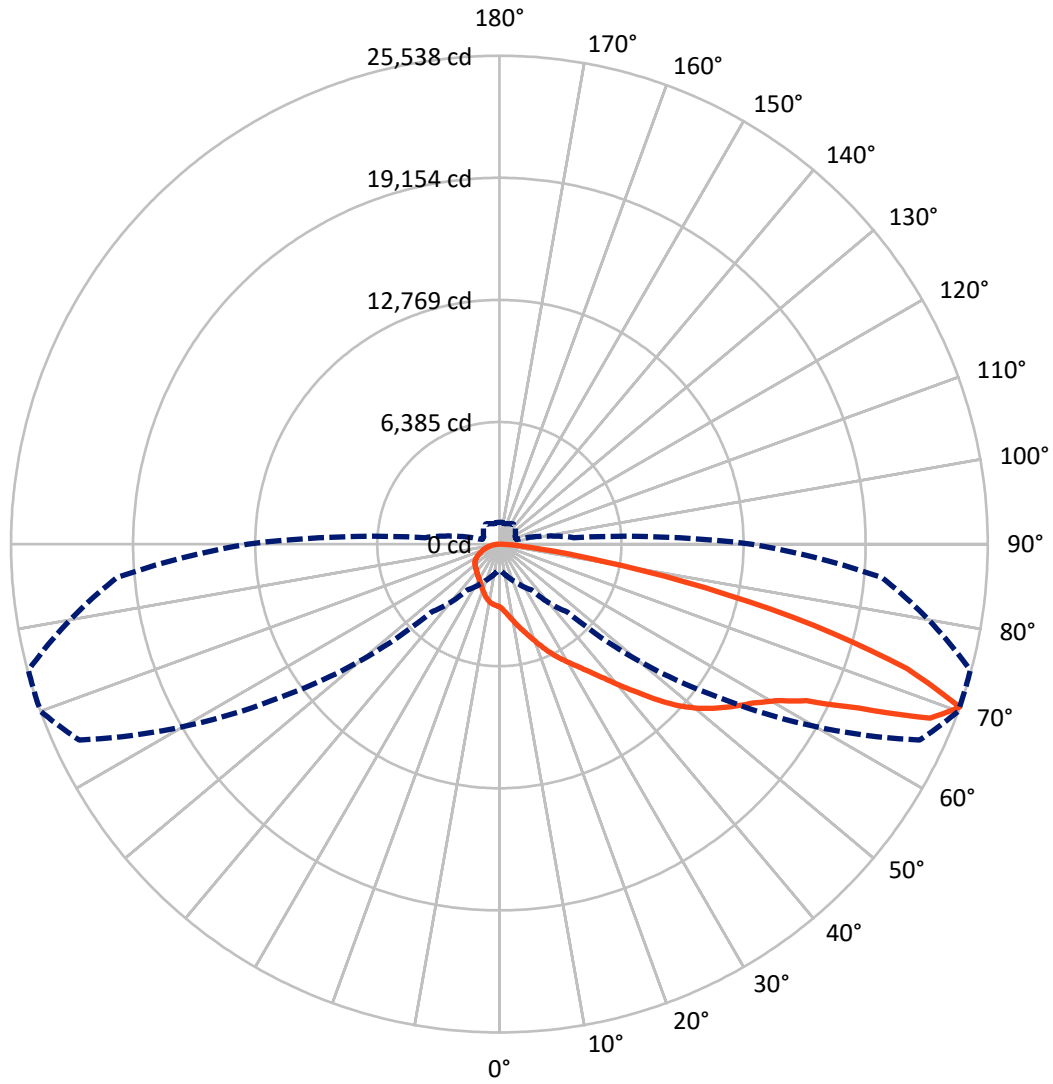
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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	5048.5	0.0	5048.5
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	23123.4	0.0	23123.4
	% Fixture	82.1	0.0	82.1
Total	Lumens	28171.8	0.0	28171.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.9	1.2
10°-20°	1086.3	3.9
20°-30°	1924.3	6.8
30°-40°	2896.2	10.3
40°-50°	4381.6	15.6
50°-60°	6276.8	22.3
60°-70°	6938.4	24.6
70°-80°	3915.5	13.9
80°-90°	418.8	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°	28171.8	100.0
0°-180°	28171.8	100.0

Coefficient of Utilization



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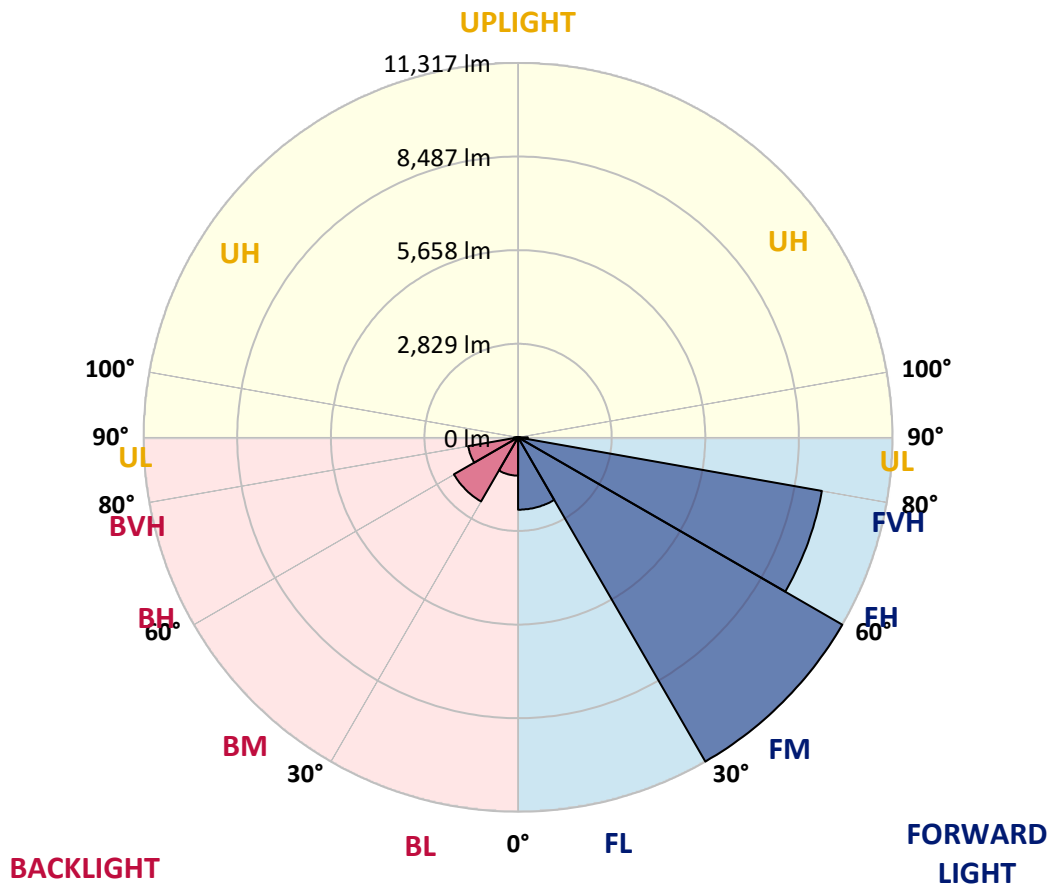
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2187.0	7.8			
FM (30°-60°)	11316.6	40.2			
FH (60°-80°)	9323.7	33.1			G4/12000
FVH (80°-90°)	296.1	1.1			G3/500
BL (0°-30°)	1157.5	4.1	B3/2500		
BM (30°-60°)	2238.0	7.9	B2/2500		
BH (60°-80°)	1530.1	5.4	B3/2500		G3/2500
BVH (80°-90°)	122.8	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°	3285.4	3285.4	3285.4	3285.4	3285.4	3285.4	3285.4	3285.4	3285.4	3285.4	3285.4
2.5°	3639.6	3633.5	3637.6	3633.5	3611.1	3556.1	3511.4	3454.4	3415.7	3393.3	3340.4
5°	4067.1	4061.0	4046.7	4026.4	3985.7	3910.3	3798.4	3674.2	3598.9	3541.9	3429.9
7.5°	4374.4	4374.4	4372.4	4348.0	4319.5	4240.1	4107.8	3944.9	3835.0	3737.3	3554.1
10°	4531.2	4541.4	4555.6	4590.2	4584.1	4541.4	4417.2	4242.1	4103.7	3989.7	3717.0
12.5°	4616.7	4622.8	4647.2	4718.5	4791.7	4801.9	4728.6	4545.4	4394.8	4242.1	3898.1
15°	4726.6	4728.6	4761.2	4846.7	4954.6	5062.5	5044.2	4860.9	4706.2	4537.3	4099.6
17.5°	4812.1	4826.3	4885.4	4985.1	5119.5	5268.1	5357.6	5243.6	5052.3	4858.9	4319.5
20°	4842.6	4852.8	4930.2	5082.8	5266.0	5475.7	5675.2	5644.6	5451.3	5223.3	4567.8
22.5°	4952.5	4952.5	5009.5	5137.8	5353.6	5658.9	5982.5	6061.9	5890.9	5624.3	4834.5
25°	5194.8	5186.6	5213.1	5266.0	5428.9	5805.5	6285.9	6524.0	6332.7	6033.4	5101.1
27.5°	5526.6	5522.5	5520.5	5528.6	5583.6	5933.7	6542.3	6955.6	6764.2	6426.3	5339.3
30°	5886.9	5874.7	5901.1	5876.7	5864.5	6086.4	6760.1	7342.3	7193.7	6815.1	5536.8
32.5°	6377.5	6355.1	6349.0	6269.6	6220.7	6324.5	6935.2	7782.0	7663.9	7234.4	5758.6
35°	7024.8	7004.4	6900.6	6774.4	6629.9	6678.7	7153.0	8211.5	8219.6	7759.6	6049.7
37.5°	7678.2	7682.3	7600.8	7303.6	7155.0	7126.5	7484.8	8734.6	8909.7	8386.6	6426.3
40°	8221.7	8246.1	8246.1	7932.6	7710.8	7684.3	7950.9	9355.5	9703.6	9156.0	6902.6
42.5°	8634.9	8657.3	8728.5	8502.6	8268.5	8360.1	8516.8	9978.4	10603.3	10106.6	7505.2
45°	9088.8	9107.2	9145.8	9015.6	8879.2	9123.4	9158.0	10723.4	11633.3	11173.3	8205.4
47.5°	9691.4	9675.1	9679.2	9583.5	9477.6	9872.5	9864.4	11350.4	12628.7	12341.7	8964.7
50°	10440.5	10471.0	10442.5	10253.2	10129.0	10489.3	10536.1	12044.5	13504.0	13497.9	9730.0
52.5°	11161.0	11173.3	11323.9	11332.0	11077.6	11002.3	11124.4	12744.7	14242.9	14556.4	10464.9
55°	11197.7	11244.5	11696.4	12022.1	12433.3	11828.7	11718.8	13412.4	14957.4	15592.5	11228.2
57.5°	10418.1	10493.4	11260.8	11963.1	13107.1	13247.5	12736.6	14275.5	15671.9	16612.3	12111.7
60°	8753.0	8909.7	9951.9	11026.7	12803.8	14267.3	14819.0	15448.0	16610.3	17654.5	13184.4
62.5°	5589.7	5650.8	7112.3	8911.7	11437.9	14167.6	17086.6	17514.1	18039.3	19012.3	14837.3
65°	2798.9	2994.3	3851.3	5319.0	8248.1	12484.2	18232.6	21298.2	20655.0	21336.9	17516.1
67.5°	1899.2	1962.3	2395.9	3195.9	4836.5	8844.6	17522.2	24485.9	24296.6	24408.6	20372.0
70°	1400.5	1441.2	1783.2	2263.6	2925.1	5021.8	13949.8	24245.7	25538.3	25497.6	20072.8
72.5°	1021.9	1042.2	1300.7	1728.2	2167.9	2597.4	8518.9	19586.3	22293.6	23468.1	17554.8
75°	743.0	767.4	903.8	1292.6	1685.5	1620.3	4205.5	14147.2	17001.1	19260.6	14301.9
77.5°	553.7	584.2	647.3	810.2	1180.6	1160.3	1817.8	9186.5	10996.2	12579.8	8687.8
80°	399.0	405.1	441.7	519.1	749.1	679.9	865.1	4789.7	5492.0	6017.2	3405.5
82.5°	242.2	248.3	295.2	319.6	464.1	427.5	449.9	1551.1	2222.8	2359.2	1272.2
85°	71.2	75.3	134.3	146.6	193.4	183.2	181.2	631.0	753.2	962.8	500.8
87.5°	0.0	0.0	0.0	0.0	2.0	12.2	22.4	112.0	169.0	234.1	122.1
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°	3285.4	3285.4	3285.4	3285.4	3285.4	3285.4	3285.4	3285.4	3285.4	3285.4	3285.4
2.5°	3320.0	3273.2	3248.8	3206.0	3175.5	3145.0	3114.4	3085.9	3073.7	3055.4	3059.5
5°	3379.1	3305.8	3232.5	3149.0	3077.8	3018.8	2965.8	2919.0	2898.7	2880.3	2888.5
7.5°	3468.6	3358.7	3218.2	3065.6	2953.6	2872.2	2817.2	2784.7	2774.5	2760.2	2760.2
10°	3582.6	3417.7	3171.4	2953.6	2819.3	2754.1	2729.7	2727.7	2737.8	2739.9	2735.8
12.5°	3708.8	3474.7	3102.2	2821.3	2707.3	2687.0	2705.3	2739.9	2774.5	2792.8	2788.7
15°	3839.1	3511.4	2984.2	2695.1	2625.9	2652.4	2711.4	2780.6	2847.8	2882.4	2880.3
17.5°	3961.2	3519.5	2831.5	2573.0	2554.6	2621.8	2723.6	2831.5	2923.1	2971.9	2974.0
20°	4097.6	3505.3	2674.7	2463.0	2483.4	2593.3	2727.7	2857.9	2965.8	3014.7	3026.9
22.5°	4221.8	3456.4	2522.1	2359.2	2422.3	2558.7	2695.1	2817.2	2912.9	2959.7	2976.0
25°	4333.7	3362.8	2355.2	2271.7	2375.5	2509.9	2613.7	2699.2	2766.3	2794.8	2817.2
27.5°	4394.8	3222.3	2229.0	2202.5	2330.7	2440.7	2497.6	2524.1	2546.5	2538.4	2554.6
30°	4407.0	3047.3	2119.0	2147.5	2263.6	2345.0	2357.2	2330.7	2292.1	2229.0	2243.2
32.5°	4394.8	2845.7	2027.4	2088.5	2188.2	2237.1	2220.8	2151.6	2058.0	1960.3	1966.4
35°	4398.9	2642.2	1952.1	2023.4	2100.7	2127.2	2086.5	1990.8	1891.0	1801.5	1797.4
37.5°	4443.7	2471.2	1889.0	1960.3	2015.2	2019.3	1974.5	1874.8	1823.9	1756.7	1748.6
40°	4567.8	2345.0	1832.0	1897.2	1931.8	1929.7	1878.8	1807.6	1842.2	1819.8	1813.7
42.5°	4771.4	2267.6	1785.2	1830.0	1854.4	1858.5	1817.8	1773.0	1848.3	1819.8	1809.6
45°	5099.1	2263.6	1752.6	1762.8	1801.5	1830.0	1801.5	1750.6	1779.1	1640.7	1614.2
47.5°	5487.9	2332.8	1728.2	1703.8	1770.9	1821.8	1777.1	1695.6	1636.6	1510.4	1492.1
50°	5956.1	2473.2	1705.8	1640.7	1726.2	1791.3	1746.5	1634.6	1545.0	1477.8	1467.6
52.5°	6511.8	2658.5	1677.3	1569.4	1659.0	1775.0	1746.5	1628.5	1510.4	1449.3	1439.2
55°	7094.0	2872.2	1644.7	1483.9	1583.7	1779.1	1760.8	1585.7	1483.9	1451.4	1443.2
57.5°	7816.6	3128.7	1585.7	1384.2	1516.5	1742.5	1703.8	1561.3	1465.6	1439.2	1431.0
60°	8755.0	3509.3	1473.8	1282.4	1439.2	1677.3	1652.9	1520.6	1416.8	1394.4	1388.3
62.5°	10241.0	4154.6	1337.4	1184.7	1347.5	1540.9	1577.6	1443.2	1355.7	1353.7	1351.6
65°	12663.3	4930.2	1176.6	1097.2	1251.9	1429.0	1477.8	1363.8	1292.6	1315.0	1312.9
67.5°	14361.0	4997.3	1044.2	1005.6	1139.9	1306.8	1378.1	1282.4	1205.1	1247.8	1245.8
70°	13153.9	3898.1	930.3	909.9	1019.8	1174.5	1270.2	1180.6	1103.3	1144.0	1135.8
72.5°	11093.9	2988.2	822.4	810.2	897.7	1036.1	1131.8	1078.9	997.4	997.4	979.1
75°	8915.8	2465.1	708.4	702.3	761.3	895.7	1003.5	914.0	838.7	834.6	822.4
77.5°	5113.4	1616.2	594.4	590.3	608.6	749.1	779.6	761.3	704.3	677.8	669.7
80°	2037.6	840.7	468.2	441.7	460.0	549.6	614.7	584.2	535.4	502.8	484.5
82.5°	789.8	421.4	329.8	289.1	315.5	396.9	445.8	435.6	403.0	329.8	309.4
85°	321.6	205.6	197.5	166.9	183.2	213.7	256.5	221.9	183.2	130.3	124.2
87.5°	85.5	75.3	73.3	44.8	34.6	10.2	2.0	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)