

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: P639880

Luminaire Tested: GWS-SA5C-760-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-760-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23205.4 lumens
Efficiency: N/A
Efficacy: 147.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

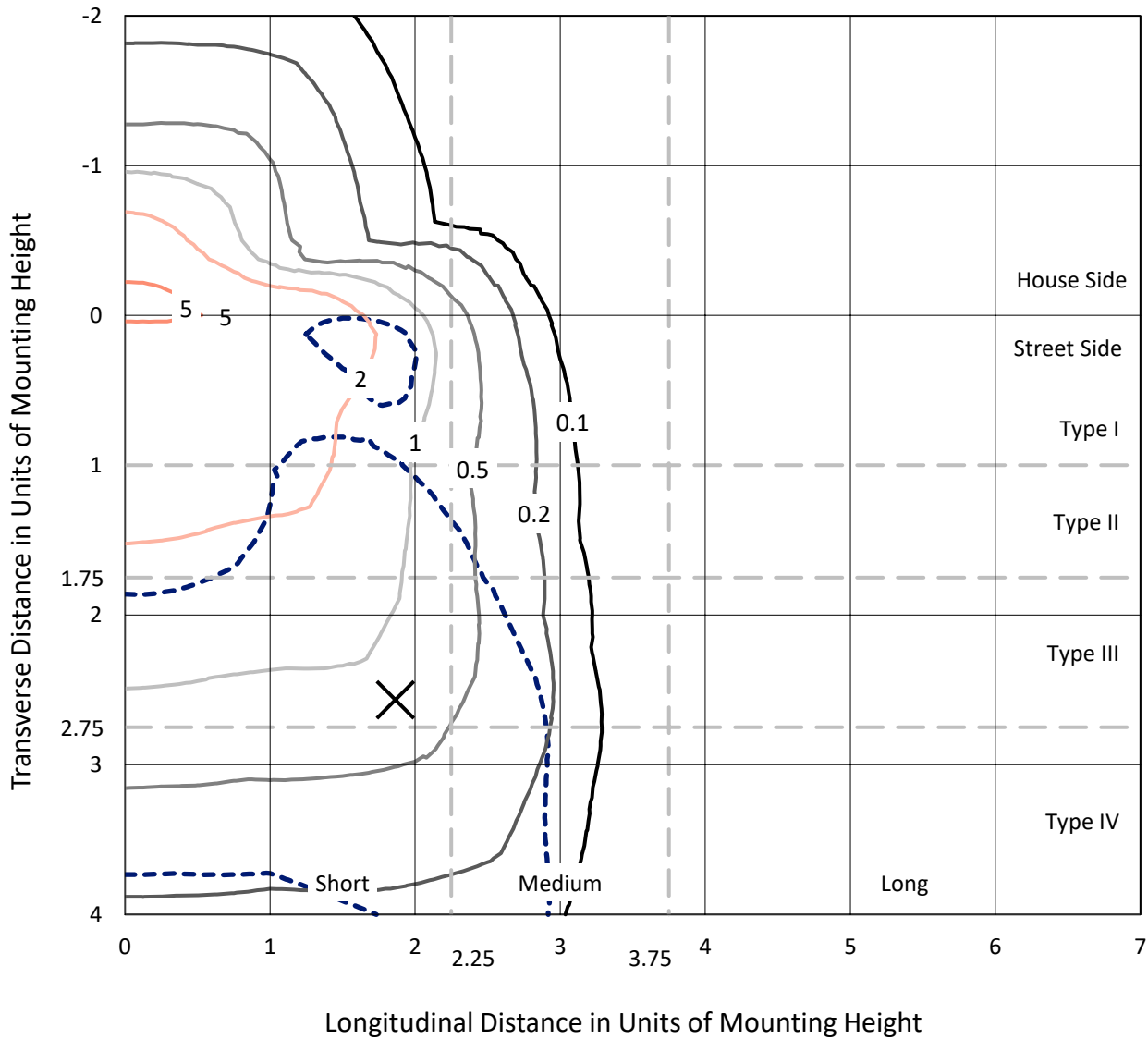
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

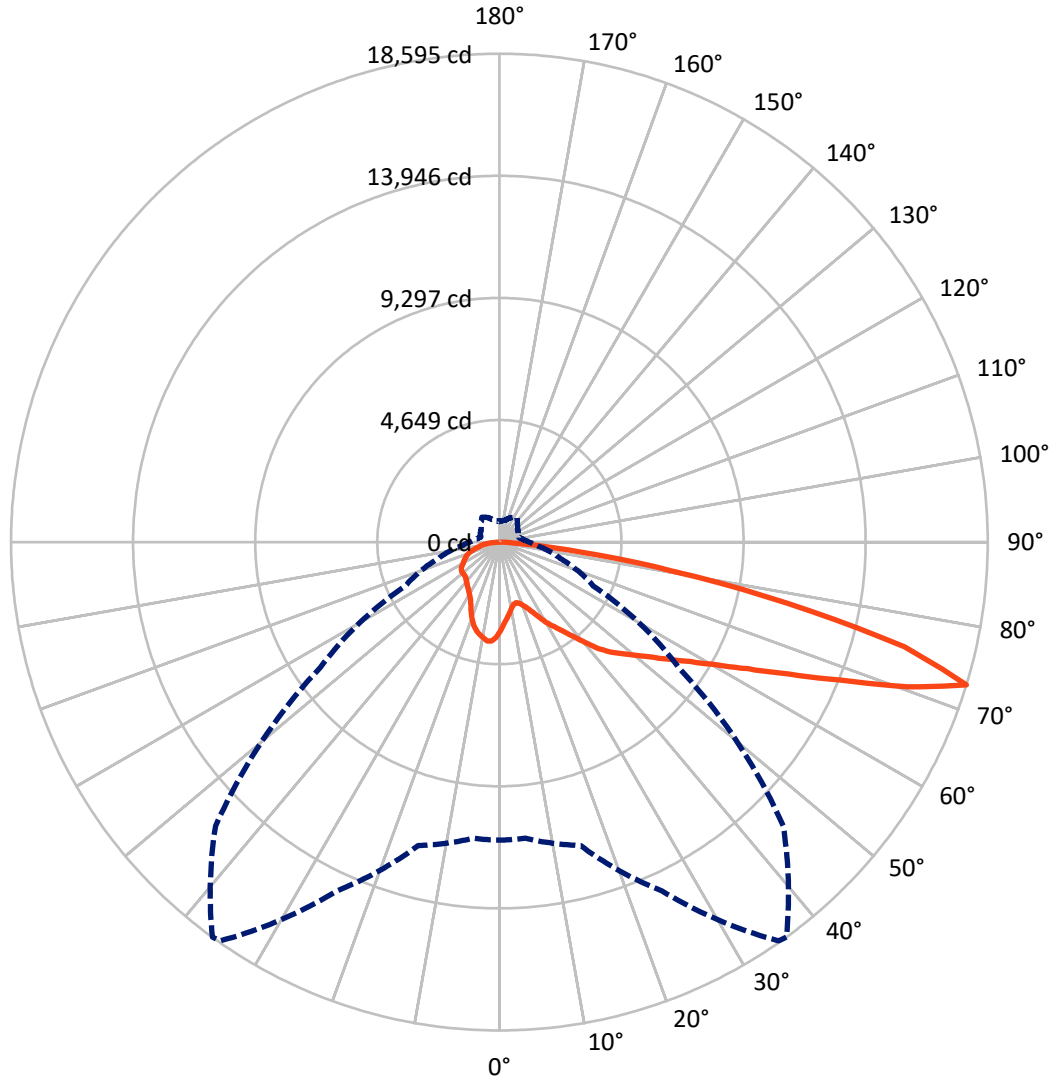
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5349.8	0.0	5349.8
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	17855.6	0.0	17855.6
	% Fixture	76.9	0.0	76.9
Total	Lumens	23205.4	0.0	23205.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.4	1.4
10°-20°	895.7	3.9
20°-30°	1483.3	6.4
30°-40°	2221.4	9.6
40°-50°	3240.9	14.0
50°-60°	4612.7	19.9
60°-70°	5827.8	25.1
70°-80°	4152.8	17.9
80°-90°	453.3	2.0
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°	23205.4	100.0
0°-180°	23205.4	100.0

Coefficient of Utilization



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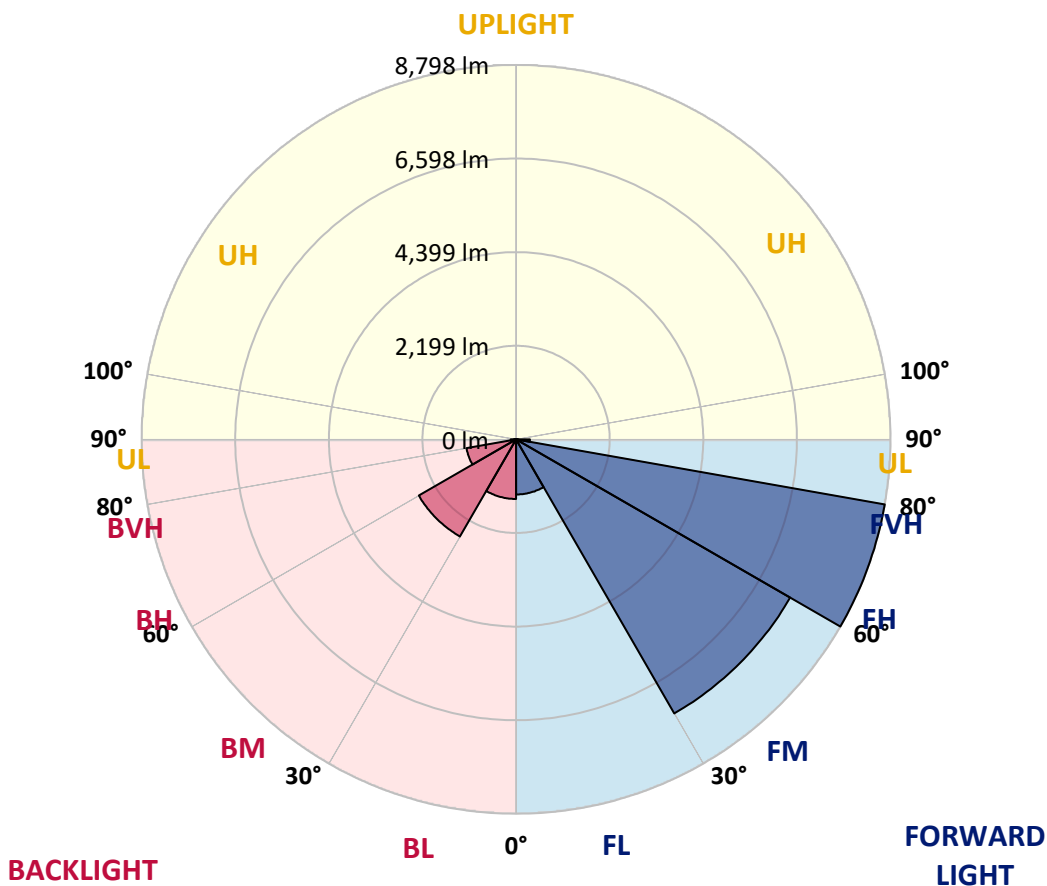
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1295.5	5.6			
FM (30°-60°)	7436.7	32.0			
FH (60°-80°)	8797.9	37.9			G4/12000
FVH (80°-90°)	325.4	1.4			G3/500
BL (0°-30°)	1400.9	6.0	B3/2500		
BM (30°-60°)	2638.2	11.4	B3/5000		
BH (60°-80°)	1182.7	5.1	B3/2500		G3/2500
BVH (80°-90°)	127.9	0.6			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	3396.2	3396.2	3396.2	3396.2	3396.2	3396.2	3396.2	3396.2	3396.2	3396.2	3396.2
2.5°	3098.3	3093.1	3082.8	3113.8	3144.8	3141.3	3184.4	3225.7	3270.5	3317.0	3379.0
5°	2850.3	2846.8	2838.2	2884.7	2931.2	2929.5	3000.1	3067.3	3158.5	3258.4	3382.4
7.5°	2602.3	2593.7	2605.7	2664.3	2729.7	2736.6	2833.0	2943.3	3075.9	3225.7	3401.4
10°	2383.5	2381.8	2387.0	2452.4	2550.6	2557.5	2681.5	2834.8	3010.4	3210.2	3444.4
12.5°	2326.7	2323.3	2309.5	2342.2	2416.3	2426.6	2562.7	2750.4	2965.7	3218.8	3503.0
15°	2419.7	2411.1	2362.9	2347.4	2383.5	2392.2	2507.5	2700.4	2939.8	3234.3	3577.0
17.5°	2579.9	2574.7	2483.4	2419.7	2443.8	2450.7	2536.8	2691.8	2932.9	3265.3	3668.3
20°	2814.1	2791.7	2648.8	2552.3	2552.3	2562.7	2614.3	2729.7	2941.5	3303.2	3771.7
22.5°	3124.1	3079.3	2877.8	2746.9	2712.5	2726.3	2748.7	2824.4	2977.7	3366.9	3900.8
25°	3472.0	3430.7	3191.3	3007.0	2958.8	2963.9	2945.0	2958.8	3056.9	3454.8	4061.0
27.5°	3842.3	3814.7	3559.8	3325.6	3249.8	3249.8	3182.7	3149.9	3167.2	3554.7	4240.1
30°	4172.9	4135.0	3919.8	3663.2	3563.3	3563.3	3435.8	3365.2	3323.9	3676.9	4479.5
32.5°	4346.9	4324.5	4181.5	3985.2	3862.9	3844.0	3733.8	3651.1	3554.7	3857.8	4803.3
35°	4574.2	4569.0	4482.9	4329.7	4174.7	4147.1	4071.3	4005.9	3838.8	4083.4	5233.8
37.5°	4860.1	4851.5	4837.7	4746.4	4560.4	4555.3	4488.1	4408.9	4191.9	4408.9	5755.7
40°	5180.4	5164.9	5147.7	5146.0	5034.0	5015.1	5009.9	4920.4	4617.3	4801.5	6299.9
42.5°	5621.3	5567.9	5406.0	5478.4	5561.0	5543.8	5609.3	5474.9	5147.7	5268.3	6814.8
45°	6163.8	6032.9	5712.6	5733.3	5941.7	5976.1	6203.4	6170.7	5731.5	5807.3	7357.3
47.5°	6489.3	6375.7	6077.7	6060.5	6320.5	6363.6	6857.9	6919.9	6360.2	6456.6	8027.3
50°	6756.3	6677.0	6432.5	6456.6	6732.2	6775.2	7507.1	7639.8	6952.6	7121.4	8805.7
52.5°	7078.3	6964.7	6775.2	6888.9	7226.4	7278.1	8228.8	8371.7	7486.5	7851.6	9611.7
55°	7259.1	7212.6	7216.1	7390.0	7813.7	7884.3	8984.8	8960.7	7975.6	8476.8	10217.9
57.5°	7675.9	7658.7	7817.1	7882.6	8499.1	8590.4	9740.9	9534.2	8419.9	8960.7	10509.0
60°	8411.3	8368.3	8506.0	8605.9	9346.5	9475.6	10584.8	10095.6	8721.3	9320.6	10410.8
62.5°	9444.6	9391.3	9396.4	9554.9	10481.4	10617.5	11523.4	10564.1	8814.3	9375.8	9789.1
65°	10729.4	10651.9	10564.1	10779.4	11988.4	12102.0	12544.6	10905.1	8592.1	8845.3	8490.5
67.5°	12084.8	12021.1	11917.7	12369.0	13939.6	14008.5	13689.9	10875.8	7887.8	7426.2	5955.4
70°	12164.0	12179.5	12668.6	14301.3	16486.8	16504.0	14773.2	10286.8	6387.7	4813.6	2967.4
72.5°	11347.7	11321.9	11959.1	14654.4	18536.2	18594.8	15284.7	8333.8	3947.3	2400.8	1391.6
75°	9217.3	9262.1	9932.0	12821.9	15887.5	15939.1	12460.2	4913.5	1875.5	1174.6	890.4
77.5°	3968.0	4217.7	5538.7	9033.0	11378.7	11218.5	6422.2	1990.9	1000.6	837.0	682.0
80°	1145.3	1243.4	1973.7	4295.2	6818.3	6697.7	2542.0	745.7	697.5	628.6	489.1
82.5°	370.3	409.9	723.3	1710.2	3055.2	3051.8	964.4	440.9	456.4	427.1	315.2
85°	103.3	118.8	222.2	518.4	945.5	926.6	279.0	208.4	242.8	246.3	156.7
87.5°	0.0	0.0	1.7	3.4	3.4	3.4	6.9	31.0	70.6	89.6	63.7
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°	3396.2	3396.2	3396.2	3396.2	3396.2	3396.2	3396.2	3396.2	3396.2	3396.2	3396.2
2.5°	3416.9	3411.7	3482.3	3537.4	3589.1	3623.5	3633.9	3640.8	3654.5	3661.4	3654.5
5°	3441.0	3466.8	3583.9	3670.0	3738.9	3780.3	3782.0	3778.5	3788.9	3780.3	3775.1
7.5°	3492.7	3542.6	3690.7	3782.0	3826.8	3828.5	3787.2	3738.9	3714.8	3694.2	3687.3
10°	3561.5	3635.6	3797.5	3857.8	3844.0	3780.3	3689.0	3613.2	3570.2	3539.2	3532.3
12.5°	3656.3	3738.9	3892.2	3890.5	3804.4	3690.7	3583.9	3492.7	3430.7	3394.5	3382.4
15°	3745.8	3850.9	3961.1	3880.2	3744.1	3606.3	3468.5	3346.3	3263.6	3206.8	3196.4
17.5°	3856.0	3968.0	4011.0	3847.4	3668.3	3490.9	3306.7	3146.5	3034.5	2967.4	2962.2
20°	3983.5	4083.4	4035.2	3790.6	3570.2	3337.7	3087.9	2908.8	2788.3	2722.8	2728.0
22.5°	4131.6	4203.9	4042.0	3713.1	3434.1	3120.7	2841.7	2669.4	2588.5	2554.0	2555.8
25°	4290.0	4336.5	4030.0	3608.0	3225.7	2855.4	2588.5	2509.3	2502.4	2493.8	2497.2
27.5°	4477.8	4467.4	3993.8	3459.9	2945.0	2547.2	2411.1	2431.8	2459.3	2455.9	2459.3
30°	4729.2	4631.0	3947.3	3255.0	2610.9	2288.8	2306.1	2364.6	2400.8	2404.2	2414.5
32.5°	5016.8	4811.9	3873.3	2976.0	2292.3	2144.2	2207.9	2278.5	2321.6	2330.2	2343.9
35°	5359.5	5018.5	3742.4	2628.1	2063.2	2058.1	2116.6	2164.8	2211.3	2214.8	2214.8
37.5°	5753.9	5225.2	3534.0	2244.1	1922.0	1984.0	2039.1	2049.4	2061.5	2051.2	2056.3
40°	6115.6	5425.0	3237.8	1894.4	1806.6	1918.6	1965.1	1930.6	1892.7	1866.9	1872.1
42.5°	6418.7	5561.0	2845.1	1649.9	1689.5	1860.0	1896.2	1825.6	1751.5	1703.3	1710.2
45°	6759.7	5686.8	2383.5	1484.6	1589.6	1818.7	1842.8	1751.5	1656.8	1584.4	1574.1
47.5°	7229.9	5943.4	1973.7	1369.2	1519.0	1796.3	1835.9	1711.9	1587.9	1479.4	1467.3
50°	7810.3	6306.8	1630.9	1293.4	1486.3	1784.2	1834.2	1668.8	1520.7	1393.3	1384.7
52.5°	8444.0	6661.5	1377.8	1234.8	1453.6	1748.1	1825.6	1620.6	1450.1	1312.3	1302.0
55°	8866.0	6801.0	1207.3	1179.7	1400.2	1691.2	1791.1	1574.1	1343.3	1217.6	1202.1
57.5°	8990.0	6621.9	1088.4	1129.8	1331.3	1612.0	1725.7	1475.9	1277.9	1178.0	1165.9
60°	8776.4	6170.7	1014.4	1088.4	1255.5	1510.4	1612.0	1419.1	1226.2	1136.7	1128.1
62.5°	8173.6	5474.9	957.6	1045.4	1178.0	1403.6	1539.7	1350.2	1169.4	1098.8	1086.7
65°	6961.2	4489.8	911.1	1000.6	1103.9	1302.0	1460.4	1281.3	1107.4	1054.0	1040.2
67.5°	4868.7	3153.4	861.1	947.2	1029.9	1203.8	1377.8	1217.6	1043.7	1004.1	990.3
70°	2380.1	1672.3	800.8	885.2	950.7	1103.9	1295.1	1140.1	959.3	936.9	917.9
72.5°	1133.2	935.2	730.2	800.8	842.2	971.3	1157.3	1028.2	859.4	811.2	778.4
75°	759.5	664.8	637.2	700.9	711.3	814.6	992.0	886.9	757.8	702.7	675.1
77.5°	575.2	508.1	535.6	592.4	571.8	669.9	816.3	790.5	683.7	633.8	620.0
80°	404.7	370.3	425.4	459.8	444.3	570.1	735.4	676.8	563.2	508.1	497.7
82.5°	254.9	248.0	313.4	318.6	323.8	451.2	604.5	532.2	437.4	359.9	334.1
85°	127.4	141.2	187.7	187.7	186.0	232.5	344.4	299.7	235.9	187.7	182.6
87.5°	43.1	60.3	80.9	65.4	49.9	39.6	44.8	55.1	58.6	56.8	56.8
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)