

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: P642781

Luminaire Tested: GWS-SA6D-750-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642781
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-750-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36354.9 lumens
Efficiency: N/A
Efficacy: 148.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G5

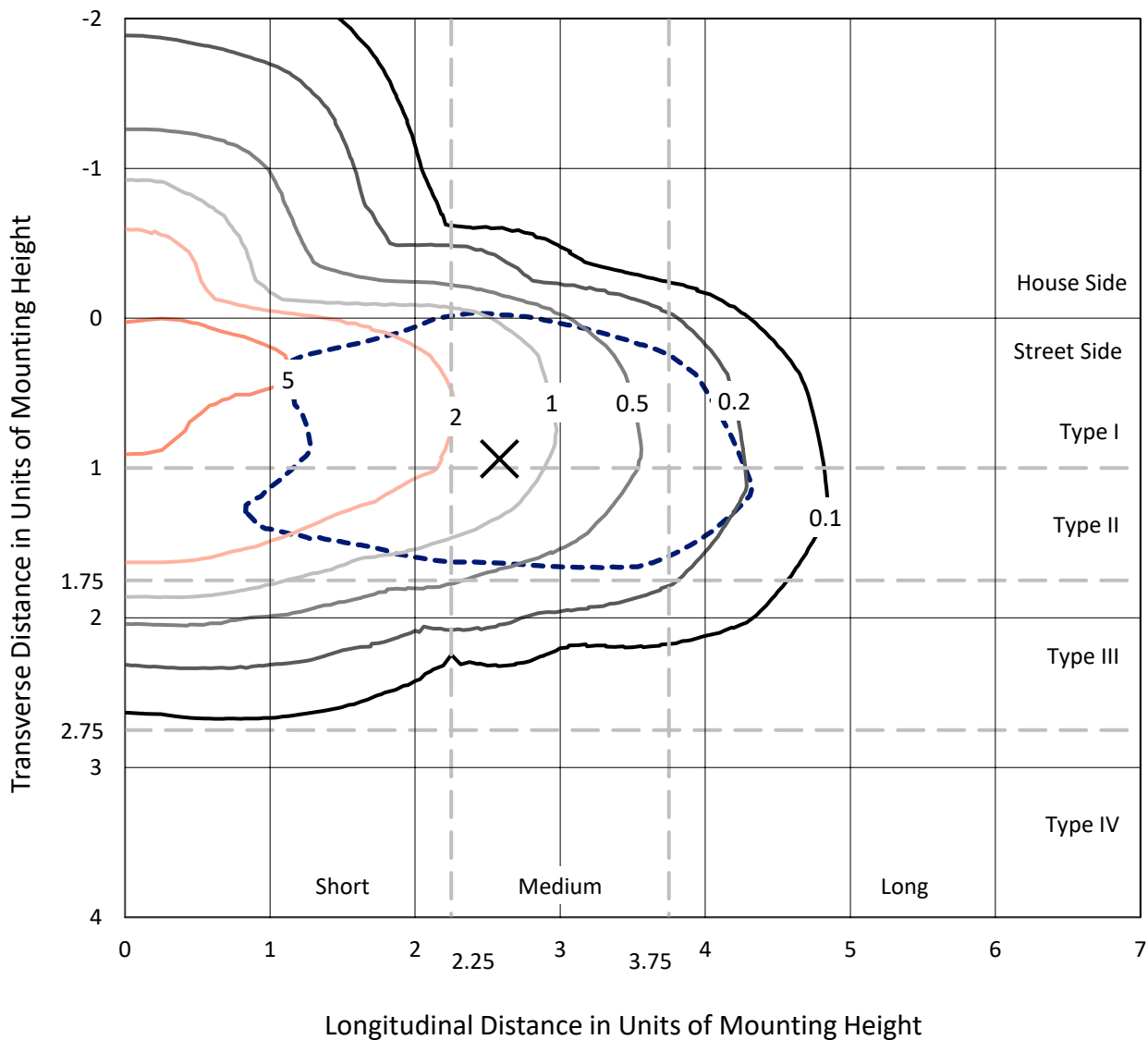
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

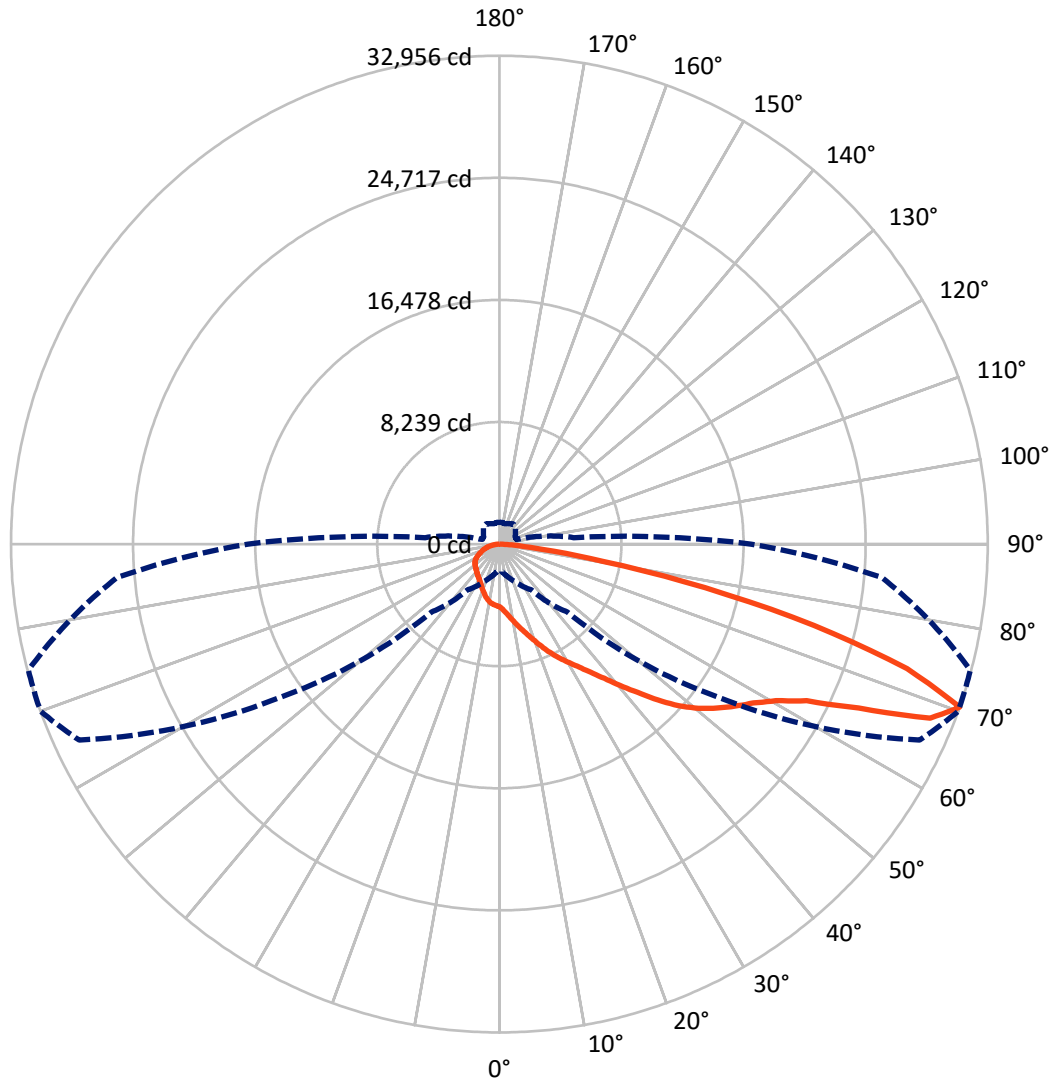
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.8 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	6514.9	0.0	6514.9
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	29840.0	0.0	29840.0
	% Fixture	82.1	0.0	82.1
Total	Lumens	36354.9	0.0	36354.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.9	1.2
10°-20°	1401.8	3.9
20°-30°	2483.3	6.8
30°-40°	3737.4	10.3
40°-50°	5654.3	15.6
50°-60°	8100.1	22.3
60°-70°	8953.8	24.6
70°-80°	5052.8	13.9
80°-90°	540.5	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°	36354.9	100.0
0°-180°	36354.9	100.0

Coefficient of Utilization



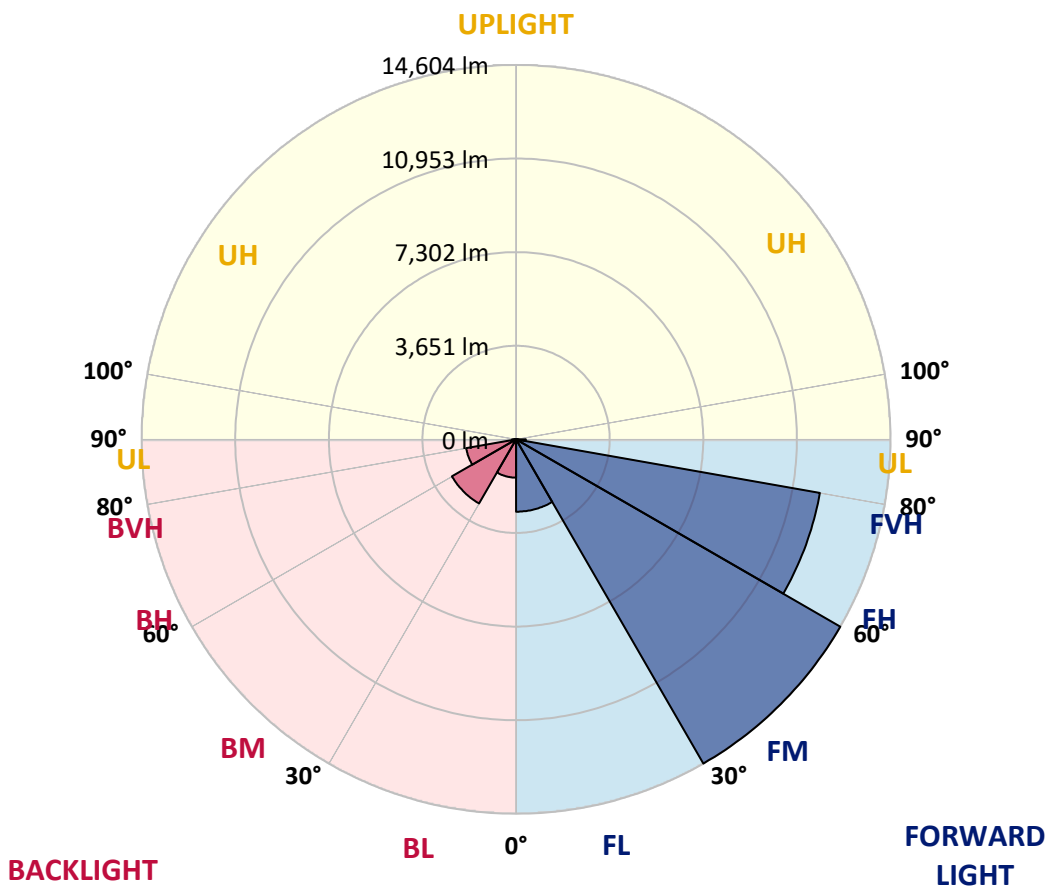
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2822.3	7.8			
FM (30°-60°)	14603.7	40.2			
FH (60°-80°)	12032.0	33.1			G5
FVH (80°-90°)	382.1	1.1			G3/500
BL (0°-30°)	1493.8	4.1	B3/2500		
BM (30°-60°)	2888.1	7.9	B3/5000		
BH (60°-80°)	1974.6	5.4	B3/2500		G3/2500
BVH (80°-90°)	158.4	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-G5
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	4239.7	4239.7	4239.7	4239.7	4239.7	4239.7	4239.7	4239.7	4239.7	4239.7	4239.7
2.5°	4696.8	4688.9	4694.2	4688.9	4660.0	4589.1	4531.3	4457.8	4407.9	4379.0	4310.7
5°	5248.4	5240.6	5222.2	5195.9	5143.4	5046.2	4901.7	4741.5	4644.3	4570.7	4426.2
7.5°	5645.1	5645.1	5642.5	5610.9	5574.2	5471.7	5301.0	5090.8	4949.0	4822.9	4586.5
10°	5847.4	5860.5	5878.9	5923.5	5915.7	5860.5	5700.3	5474.4	5295.7	5148.6	4796.6
12.5°	5957.7	5965.6	5997.1	6089.0	6183.6	6196.7	6102.2	5865.8	5671.4	5474.4	5030.4
15°	6099.5	6102.2	6144.2	6254.5	6393.8	6533.0	6509.3	6272.9	6073.3	5855.2	5290.5
17.5°	6209.9	6228.3	6304.4	6433.2	6606.5	6798.3	6913.9	6766.8	6519.8	6270.3	5574.2
20°	6249.3	6262.4	6362.2	6559.2	6795.7	7066.2	7323.7	7284.3	7034.7	6740.5	5894.6
22.5°	6391.1	6391.1	6464.7	6630.2	6908.6	7302.6	7720.3	7822.8	7602.1	7258.0	6238.8
25°	6703.7	6693.2	6727.4	6795.7	7005.8	7491.8	8111.7	8419.1	8172.1	7786.0	6582.9
27.5°	7131.9	7126.6	7124.0	7134.5	7205.4	7657.3	8442.7	8975.9	8729.0	8293.0	6890.2
30°	7596.8	7581.1	7615.2	7583.7	7568.0	7854.3	8723.8	9475.0	9283.3	8794.7	7145.0
32.5°	8229.9	8201.0	8193.1	8090.7	8027.7	8161.6	8949.7	10042.4	9890.1	9335.8	7431.4
35°	9065.3	9039.0	8905.0	8742.2	8555.6	8618.7	9230.7	10596.7	10607.2	10013.5	7807.0
37.5°	9908.5	9913.7	9808.7	9425.1	9233.4	9196.6	9658.9	11271.8	11497.7	10822.6	8293.0
40°	10609.8	10641.4	10641.4	10236.8	9950.5	9916.4	10260.5	12073.0	12522.2	11815.6	8907.6
42.5°	11143.1	11172.0	11263.9	10972.3	10670.3	10788.5	10990.7	12876.8	13683.3	13042.3	9685.2
45°	11728.9	11752.5	11802.4	11634.3	11458.3	11773.5	11818.2	13838.2	15012.4	14418.8	10588.8
47.5°	12506.4	12485.4	12490.7	12367.2	12230.6	12740.2	12729.7	14647.3	16297.0	15926.6	11568.6
50°	13473.1	13512.5	13475.7	13231.4	13071.2	13536.2	13596.6	15543.1	17426.5	17418.6	12556.3
52.5°	14403.0	14418.8	14613.2	14623.7	14295.3	14198.1	14355.7	16446.7	18380.1	18784.6	13504.6
55°	14450.3	14510.7	15093.9	15514.2	16044.8	15264.6	15122.8	17308.3	19302.1	20121.7	14489.7
57.5°	13444.2	13541.4	14531.7	15438.0	16914.3	17095.5	16436.2	18422.1	20224.1	21437.7	15629.8
60°	11295.5	11497.7	12842.7	14229.6	16522.9	18411.6	19123.5	19935.2	21435.1	22782.7	17014.1
62.5°	7213.3	7292.1	9178.2	11500.3	14760.3	18282.9	22049.8	22601.4	23279.1	24534.8	19147.1
65°	3611.9	3864.1	4970.0	6864.0	10644.0	16110.5	23528.7	27484.7	26654.6	27534.6	22604.0
67.5°	2450.9	2532.3	3091.8	4124.2	6241.4	11413.7	22611.9	31598.4	31354.1	31498.5	26289.5
70°	1807.3	1859.8	2301.1	2921.1	3774.8	6480.4	18001.8	31288.4	32956.4	32903.9	25903.4
72.5°	1318.7	1344.9	1678.6	2230.2	2797.6	3351.9	10993.4	25275.5	28769.2	30284.9	22653.9
75°	958.8	990.3	1166.3	1668.0	2175.0	2091.0	5427.1	18256.6	21939.4	24855.2	18456.2
77.5°	714.5	753.9	835.3	1045.5	1523.6	1497.3	2345.8	11855.0	14190.2	16233.9	11211.4
80°	514.9	522.7	570.0	669.8	966.7	877.4	1116.4	6181.0	7087.2	7765.0	4394.7
82.5°	312.6	320.5	380.9	412.4	598.9	551.6	580.5	2001.7	2868.5	3044.5	1641.8
85°	91.9	97.2	173.4	189.1	249.6	236.4	233.8	814.3	971.9	1242.5	646.2
87.5°	0.0	0.0	0.0	0.0	2.6	15.8	28.9	144.5	218.0	302.1	157.6
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°	4239.7	4239.7	4239.7	4239.7	4239.7	4239.7	4239.7	4239.7	4239.7	4239.7	4239.7
2.5°	4284.4	4224.0	4192.5	4137.3	4097.9	4058.5	4019.1	3982.3	3966.5	3942.9	3948.2
5°	4360.6	4266.0	4171.4	4063.7	3971.8	3895.6	3827.3	3766.9	3740.6	3717.0	3727.5
7.5°	4476.2	4334.3	4153.0	3956.0	3811.6	3706.5	3635.6	3593.5	3580.4	3562.0	3562.0
10°	4623.3	4410.5	4092.6	3811.6	3638.2	3554.1	3522.6	3520.0	3533.1	3535.7	3530.5
12.5°	4786.1	4484.0	4003.3	3640.8	3493.7	3467.4	3491.1	3535.7	3580.4	3604.0	3598.8
15°	4954.2	4531.3	3851.0	3477.9	3388.6	3422.8	3499.0	3588.3	3675.0	3719.6	3717.0
17.5°	5111.8	4541.8	3653.9	3320.3	3296.7	3383.4	3514.7	3653.9	3772.2	3835.2	3837.8
20°	5287.8	4523.4	3451.7	3178.5	3204.8	3346.6	3520.0	3688.1	3827.3	3890.4	3906.1
22.5°	5448.1	4460.4	3254.7	3044.5	3126.0	3301.9	3477.9	3635.6	3759.0	3819.4	3840.5
25°	5592.6	4339.6	3039.3	2931.6	3065.5	3238.9	3372.9	3483.2	3569.9	3606.7	3635.6
27.5°	5671.4	4158.3	2876.4	2842.3	3007.7	3149.6	3223.1	3257.3	3286.2	3275.7	3296.7
30°	5687.1	3932.4	2734.5	2771.3	2921.1	3026.1	3041.9	3007.7	2957.8	2876.4	2894.8
32.5°	5671.4	3672.3	2616.3	2695.1	2823.9	2886.9	2865.9	2776.6	2655.7	2529.7	2537.5
35°	5676.6	3409.6	2519.1	2611.1	2710.9	2745.1	2692.5	2569.1	2440.3	2324.8	2319.5
37.5°	5734.4	3189.0	2437.7	2529.7	2600.6	2605.8	2548.0	2419.3	2353.7	2267.0	2256.5
40°	5894.6	3026.1	2364.2	2448.2	2492.9	2490.3	2424.6	2332.6	2377.3	2348.4	2340.5
42.5°	6157.3	2926.3	2303.7	2361.5	2393.1	2398.3	2345.8	2288.0	2385.2	2348.4	2335.3
45°	6580.3	2921.1	2261.7	2274.9	2324.8	2361.5	2324.8	2259.1	2295.9	2117.2	2083.1
47.5°	7082.0	3010.4	2230.2	2198.7	2285.4	2351.0	2293.2	2188.2	2112.0	1949.1	1925.5
50°	7686.2	3191.6	2201.3	2117.2	2227.6	2311.6	2253.8	2109.4	1993.8	1907.1	1894.0
52.5°	8403.3	3430.7	2164.5	2025.3	2140.9	2290.6	2253.8	2101.5	1949.1	1870.3	1857.2
55°	9154.6	3706.5	2122.5	1915.0	2043.7	2295.9	2272.2	2046.3	1915.0	1872.9	1862.4
57.5°	10087.1	4037.5	2046.3	1786.3	1957.0	2248.6	2198.7	2014.8	1891.3	1857.2	1846.7
60°	11298.1	4528.7	1901.8	1654.9	1857.2	2164.5	2133.0	1962.3	1828.3	1799.4	1791.5
62.5°	13215.7	5361.4	1725.8	1528.8	1739.0	1988.5	2035.8	1862.4	1749.5	1746.9	1744.2
65°	16341.6	6362.2	1518.3	1415.9	1615.5	1844.0	1907.1	1760.0	1668.0	1696.9	1694.3
67.5°	18532.4	6448.9	1347.6	1297.7	1471.0	1686.4	1778.4	1654.9	1555.1	1610.3	1607.6
70°	16974.7	5030.4	1200.5	1174.2	1316.1	1515.7	1639.2	1523.6	1423.8	1476.3	1465.8
72.5°	14316.3	3856.2	1061.2	1045.5	1158.4	1337.1	1460.5	1392.2	1287.2	1287.2	1263.5
75°	11505.6	3181.1	914.1	906.3	982.4	1155.8	1295.0	1179.5	1082.3	1077.0	1061.2
77.5°	6598.6	2085.7	767.0	761.8	785.4	966.7	1006.1	982.4	908.9	874.7	864.2
80°	2629.5	1084.9	604.2	570.0	593.7	709.2	793.3	753.9	690.9	648.8	625.2
82.5°	1019.2	543.8	425.5	373.0	407.2	512.2	575.3	562.1	520.1	425.5	399.3
85°	415.0	265.3	254.8	215.4	236.4	275.8	331.0	286.3	236.4	168.1	160.2
87.5°	110.3	97.2	94.6	57.8	44.7	13.1	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)