

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: P643001

Luminaire Tested: GWS-SA6E-722-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643001
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-SAGE-722-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32714.5 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

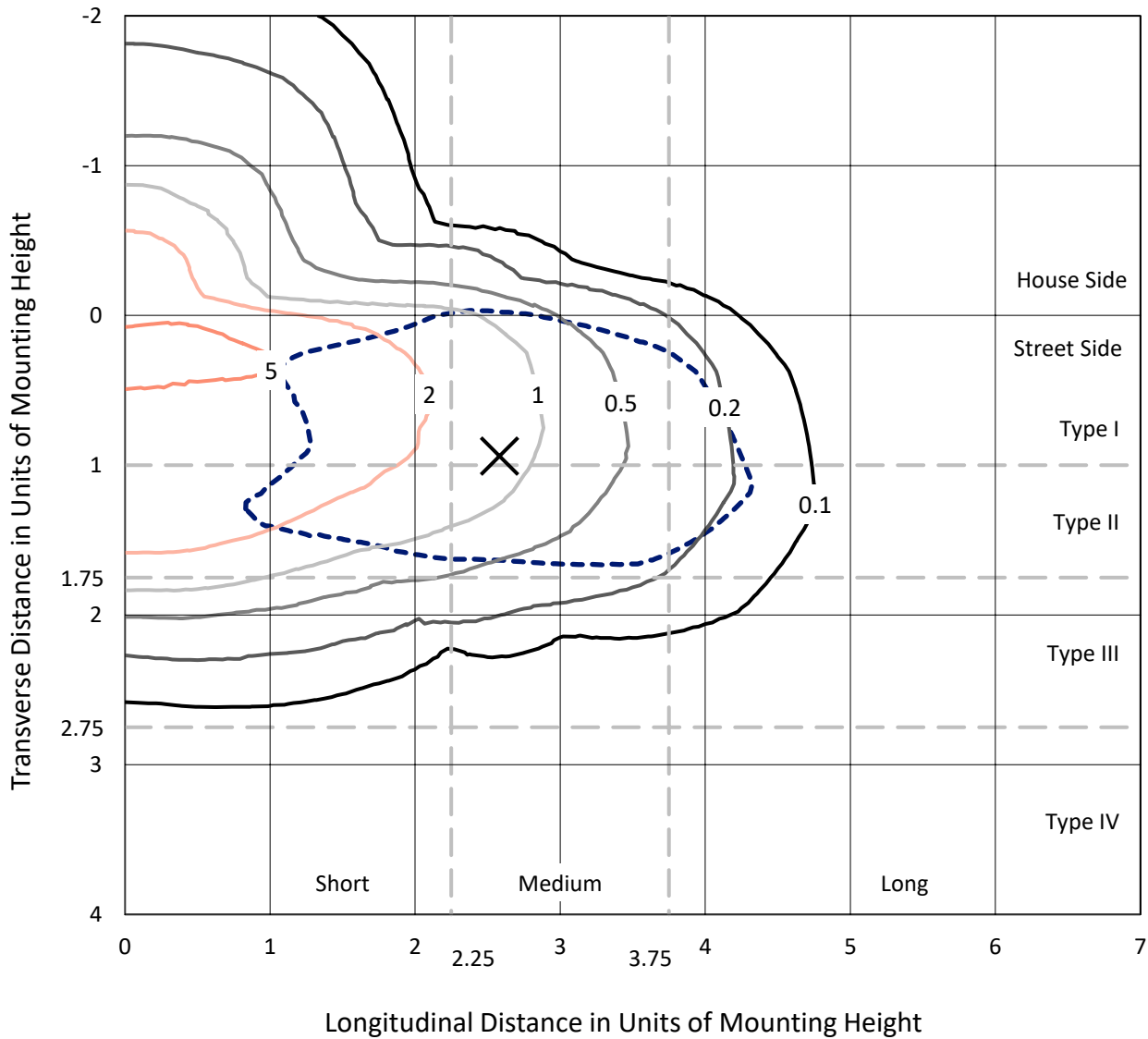
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

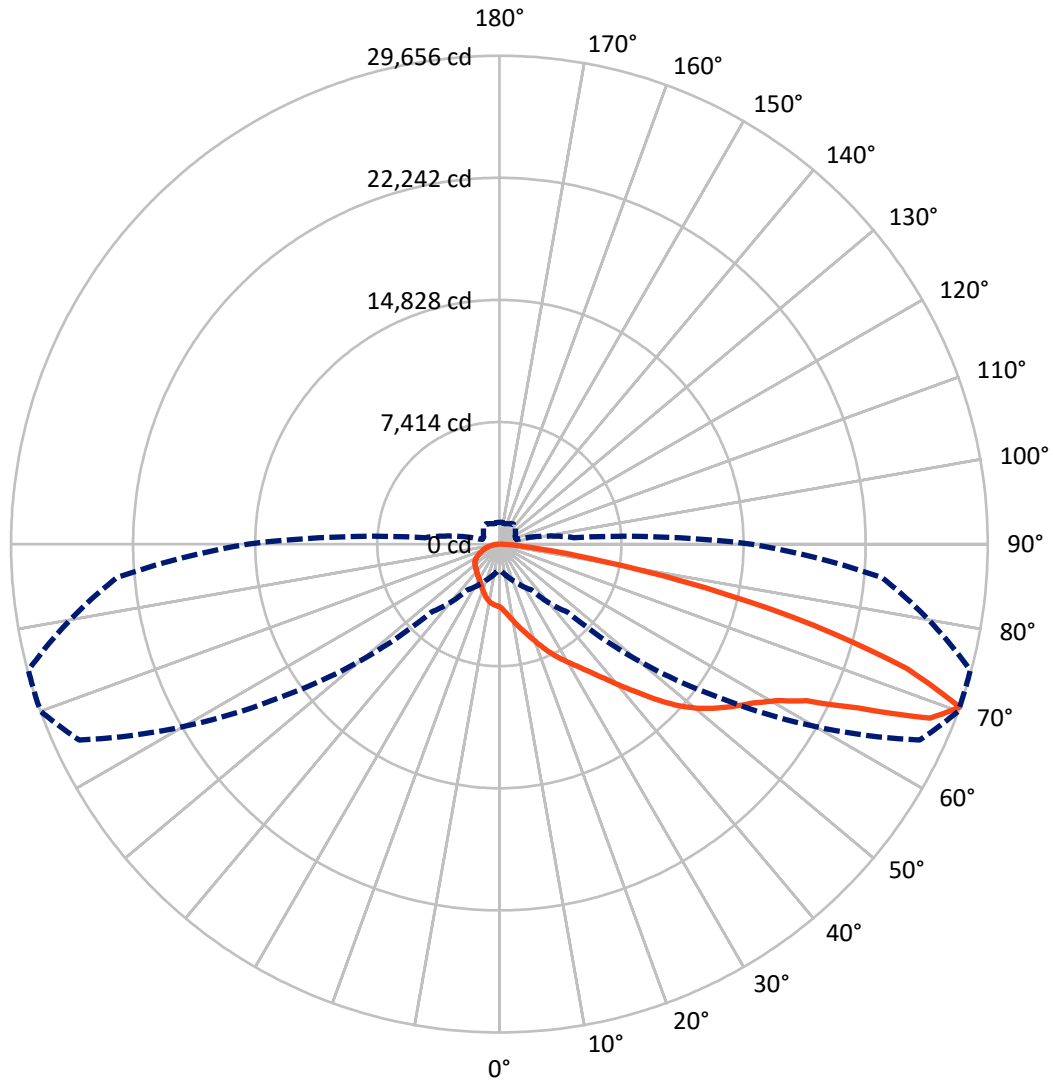
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.1 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	5862.5	0.0	5862.5
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	26852.0	0.0	26852.0
	% Fixture	82.1	0.0	82.1
Total	Lumens	32714.5	0.0	32714.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.8	1.2
10°-20°	1261.4	3.9
20°-30°	2234.6	6.8
30°-40°	3363.2	10.3
40°-50°	5088.1	15.6
50°-60°	7289.0	22.3
60°-70°	8057.2	24.6
70°-80°	4546.9	13.9
80°-90°	486.4	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°	32714.5	100.0
0°-180°	32714.5	100.0

Coefficient of Utilization



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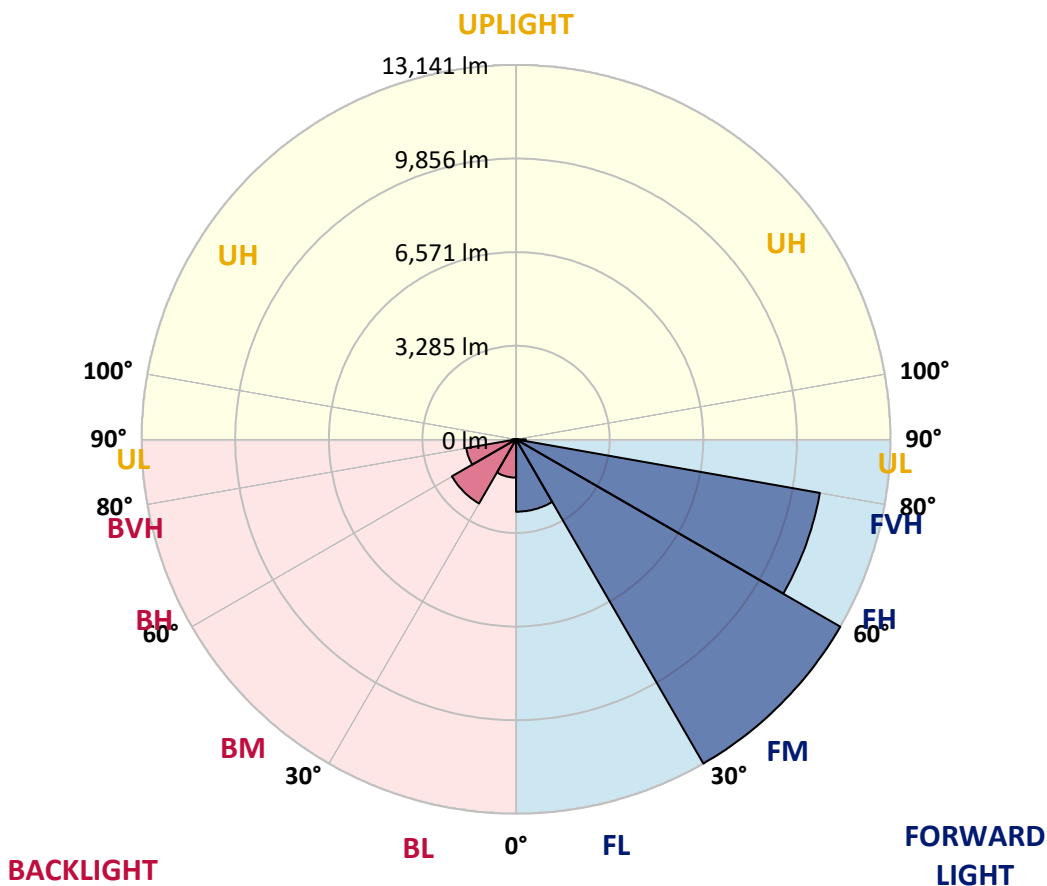
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2539.6	7.8			
FM (30°-60°)	13141.4	40.2			
FH (60°-80°)	10827.1	33.1			G4/12000
FVH (80°-90°)	343.8	1.1			G3/500
BL (0°-30°)	1344.2	4.1	B3/2500		
BM (30°-60°)	2598.9	7.9	B3/5000		
BH (60°-80°)	1776.9	5.4	B3/2500		G3/2500
BVH (80°-90°)	142.5	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°	3815.2	3815.2	3815.2	3815.2	3815.2	3815.2	3815.2	3815.2	3815.2	3815.2	3815.2
2.5°	4226.5	4219.4	4224.1	4219.4	4193.4	4129.6	4077.6	4011.4	3966.5	3940.5	3879.0
5°	4722.9	4715.8	4699.3	4675.6	4628.3	4540.9	4410.9	4266.7	4179.2	4113.0	3983.0
7.5°	5079.8	5079.8	5077.5	5049.1	5016.0	4923.8	4770.2	4581.1	4453.4	4340.0	4127.2
10°	5261.8	5273.7	5290.2	5330.4	5323.3	5273.7	5129.5	4926.2	4765.4	4633.1	4316.3
12.5°	5361.1	5368.2	5396.6	5479.3	5564.4	5576.2	5491.1	5278.4	5103.5	4926.2	4526.7
15°	5488.8	5491.1	5528.9	5628.2	5753.5	5878.8	5857.5	5644.8	5465.1	5268.9	4760.7
17.5°	5588.0	5604.6	5673.1	5789.0	5945.0	6117.5	6221.5	6089.2	5867.0	5642.4	5016.0
20°	5623.5	5635.3	5725.1	5902.4	6115.2	6358.6	6590.3	6554.8	6330.3	6065.5	5304.4
22.5°	5751.1	5751.1	5817.3	5966.3	6216.8	6571.4	6947.2	7039.4	6840.9	6531.2	5614.0
25°	6032.4	6023.0	6053.7	6115.2	6304.3	6741.6	7299.4	7576.0	7353.8	7006.3	5923.7
27.5°	6417.7	6413.0	6410.7	6420.1	6483.9	6890.5	7597.3	8077.1	7854.9	7462.5	6200.3
30°	6836.1	6822.0	6852.7	6824.3	6810.1	7067.8	7850.2	8526.3	8353.7	7914.0	6429.6
32.5°	7405.8	7379.8	7372.7	7280.5	7223.8	7344.4	8053.5	9036.8	8899.7	8401.0	6687.2
35°	8157.5	8133.9	8013.3	7866.8	7698.9	7755.7	8306.4	9535.6	9545.1	9010.8	7025.2
37.5°	8916.3	8921.0	8826.5	8481.3	8308.8	8275.7	8691.7	10143.1	10346.4	9738.9	7462.5
40°	9547.4	9575.8	9575.8	9211.8	8954.1	8923.4	9233.0	10864.1	11268.3	10632.4	8015.7
42.5°	10027.3	10053.3	10136.0	9873.6	9601.8	9708.2	9890.2	11587.4	12313.1	11736.3	8715.4
45°	10554.4	10575.7	10620.6	10469.3	10310.9	10594.6	10634.8	12452.5	13509.2	12974.9	9528.5
47.5°	11254.1	11235.2	11239.9	11128.8	11005.9	11464.5	11455.0	13180.6	14665.1	14331.8	10410.2
50°	12124.0	12159.4	12126.3	11906.5	11762.3	12180.7	12235.1	13986.7	15681.5	15674.4	11299.0
52.5°	12960.8	12974.9	13149.9	13159.3	12863.9	12776.4	12918.2	14799.8	16539.6	16903.6	12152.3
55°	13003.3	13057.7	13582.4	13960.7	14438.1	13736.1	13608.4	15575.1	17369.3	18106.8	13038.8
57.5°	12098.0	12185.4	13076.6	13892.1	15220.6	15383.7	14790.4	16577.4	18199.0	19291.0	14064.7
60°	10164.4	10346.4	11556.7	12804.8	14868.4	16567.9	17208.5	17938.9	19288.7	20501.3	15310.4
62.5°	6491.0	6561.9	8259.1	10348.8	13282.2	16452.1	19841.8	20338.2	20948.1	22078.0	17229.8
65°	3250.2	3477.2	4472.3	6176.6	9578.2	14497.2	21172.6	24732.5	23985.6	24777.4	20340.6
67.5°	2205.4	2278.7	2782.2	3711.2	5616.4	10270.8	20347.7	28434.3	28214.4	28344.4	23657.0
70°	1626.3	1673.6	2070.7	2628.6	3396.8	5831.5	16199.2	28155.3	29656.4	29609.1	23309.5
72.5°	1186.6	1210.3	1510.5	2006.9	2517.5	3016.2	9892.5	22744.6	25888.4	27252.4	20385.5
75°	862.8	891.2	1049.5	1501.0	1957.2	1881.6	4883.6	16428.5	19742.5	22366.4	16608.1
77.5°	643.0	678.4	751.7	940.8	1371.0	1347.4	2110.9	10667.9	12769.3	14608.3	10088.7
80°	463.3	470.4	512.9	602.8	869.9	789.5	1004.6	5562.0	6377.6	6987.4	3954.7
82.5°	281.3	288.4	342.8	371.1	538.9	496.4	522.4	1801.2	2581.3	2739.7	1477.4
85°	82.7	87.5	156.0	170.2	224.6	212.7	210.4	732.8	874.6	1118.1	581.5
87.5°	0.0	0.0	0.0	0.0	2.4	14.2	26.0	130.0	196.2	271.8	141.8
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°	3815.2	3815.2	3815.2	3815.2	3815.2	3815.2	3815.2	3815.2	3815.2	3815.2	3815.2
2.5°	3855.4	3801.0	3772.6	3723.0	3687.5	3652.1	3616.6	3583.5	3569.4	3548.1	3552.8
5°	3923.9	3838.8	3753.7	3656.8	3574.1	3505.5	3444.1	3389.7	3366.1	3344.8	3354.2
7.5°	4027.9	3900.3	3737.2	3559.9	3429.9	3335.3	3271.5	3233.7	3221.9	3205.3	3205.3
10°	4160.3	3968.8	3682.8	3429.9	3273.9	3198.2	3169.9	3167.5	3179.3	3181.7	3177.0
12.5°	4306.9	4035.0	3602.4	3276.2	3143.9	3120.2	3141.5	3181.7	3221.9	3243.1	3238.4
15°	4458.1	4077.6	3465.3	3129.7	3049.3	3080.0	3148.6	3229.0	3307.0	3347.2	3344.8
17.5°	4600.0	4087.0	3288.1	2987.9	2966.6	3044.6	3162.8	3288.1	3394.4	3451.2	3453.5
20°	4758.3	4070.5	3106.0	2860.2	2883.8	3011.5	3167.5	3318.8	3444.1	3500.8	3515.0
22.5°	4902.5	4013.7	2928.8	2739.7	2812.9	2971.3	3129.7	3271.5	3382.6	3437.0	3455.9
25°	5032.5	3905.0	2734.9	2638.0	2758.6	2914.6	3035.1	3134.4	3212.4	3245.5	3271.5
27.5°	5103.5	3741.9	2588.4	2557.6	2706.6	2834.2	2900.4	2931.1	2957.1	2947.7	2966.6
30°	5117.6	3538.6	2460.7	2493.8	2628.6	2723.1	2737.3	2706.6	2661.6	2588.4	2604.9
32.5°	5103.5	3304.6	2354.4	2425.3	2541.1	2597.8	2578.9	2498.5	2389.8	2276.3	2283.4
35°	5108.2	3068.2	2266.9	2349.6	2439.5	2470.2	2422.9	2311.8	2196.0	2092.0	2087.2
37.5°	5160.2	2869.7	2193.6	2276.3	2340.2	2344.9	2292.9	2177.1	2118.0	2040.0	2030.5
40°	5304.4	2723.1	2127.4	2203.1	2243.3	2240.9	2181.8	2099.1	2139.2	2113.2	2106.2
42.5°	5540.8	2633.3	2073.1	2125.1	2153.4	2158.2	2110.9	2058.9	2146.3	2113.2	2101.4
45°	5921.3	2628.6	2035.2	2047.1	2092.0	2125.1	2092.0	2032.9	2066.0	1905.2	1874.5
47.5°	6372.8	2708.9	2006.9	1978.5	2056.5	2115.6	2063.6	1969.1	1900.5	1753.9	1732.7
50°	6916.5	2872.0	1980.9	1905.2	2004.5	2080.2	2028.1	1898.1	1794.1	1716.1	1704.3
52.5°	7561.8	3087.1	1947.8	1822.5	1926.5	2061.2	2028.1	1891.0	1753.9	1683.0	1671.2
55°	8237.9	3335.3	1910.0	1723.2	1839.0	2066.0	2044.7	1841.4	1723.2	1685.4	1675.9
57.5°	9077.0	3633.2	1841.4	1607.4	1761.0	2023.4	1978.5	1813.0	1701.9	1671.2	1661.8
60°	10166.7	4075.2	1711.4	1489.2	1671.2	1947.8	1919.4	1765.8	1645.2	1619.2	1612.1
62.5°	11892.3	4824.5	1553.0	1375.7	1564.8	1789.4	1832.0	1675.9	1574.3	1571.9	1569.6
65°	14705.3	5725.1	1366.3	1274.1	1453.7	1659.4	1716.1	1583.8	1501.0	1527.0	1524.7
67.5°	16676.7	5803.2	1212.6	1167.7	1323.7	1517.6	1600.3	1489.2	1399.4	1449.0	1446.7
70°	15274.9	4526.7	1080.3	1056.6	1184.3	1363.9	1475.0	1371.0	1281.2	1328.5	1319.0
72.5°	12882.8	3470.1	955.0	940.8	1042.4	1203.2	1314.3	1252.8	1158.3	1158.3	1137.0
75°	10353.5	2862.6	822.6	815.5	884.1	1040.1	1165.4	1061.4	973.9	969.2	955.0
77.5°	5937.9	1876.9	690.2	685.5	706.8	869.9	905.3	884.1	817.9	787.1	777.7
80°	2366.2	976.3	543.7	512.9	534.2	638.2	713.9	678.4	621.7	583.9	562.6
82.5°	917.2	489.3	382.9	335.7	366.4	460.9	517.7	505.9	468.0	382.9	359.3
85°	373.5	238.7	229.3	193.8	212.7	248.2	297.8	257.7	212.7	151.3	144.2
87.5°	99.3	87.5	85.1	52.0	40.2	11.8	2.4	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)