

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: P642353

Luminaire Tested: GWS-SA6C-760-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642353
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-760-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29122.7 lumens
Efficiency: N/A
Efficacy: 153.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

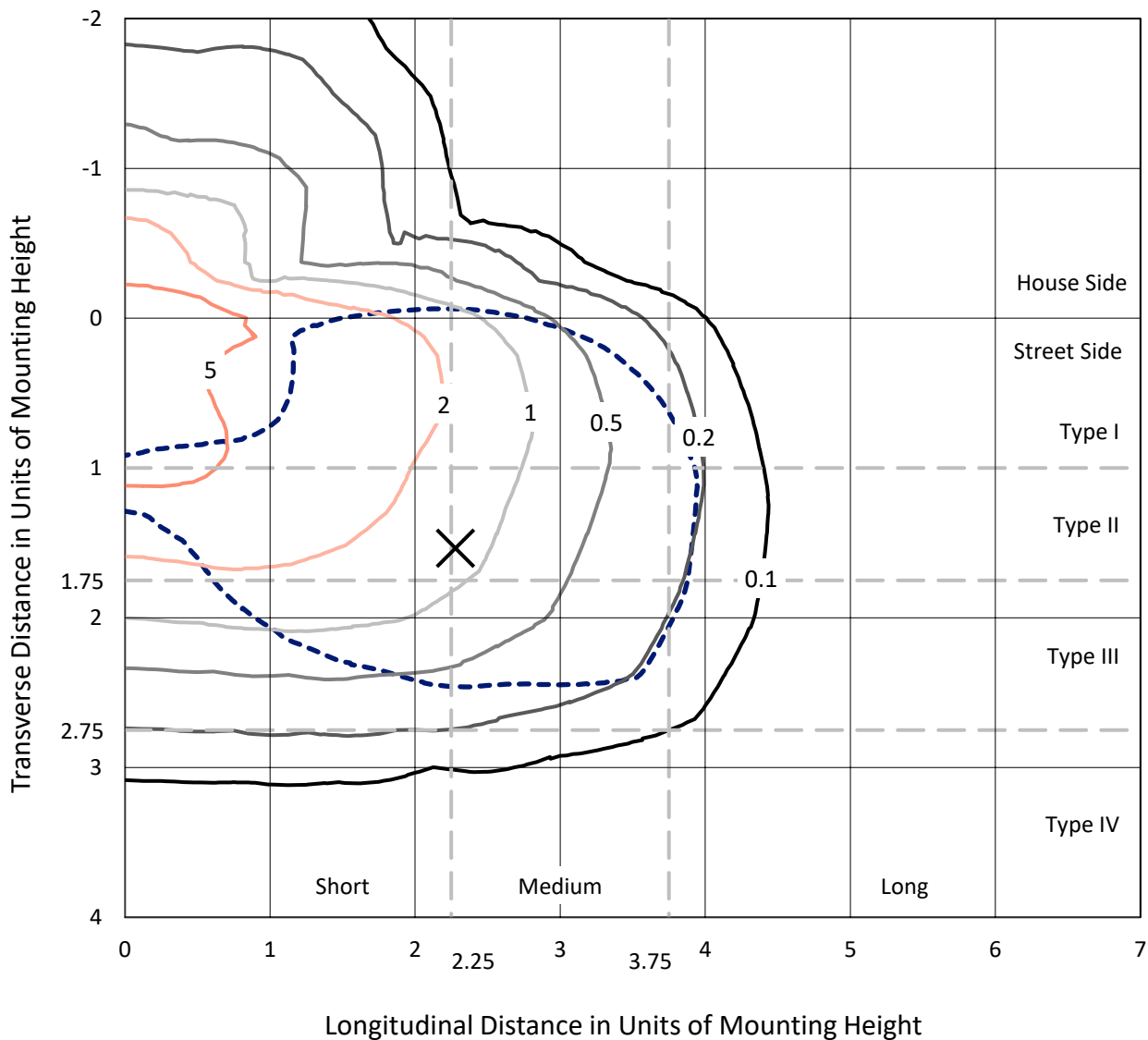
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

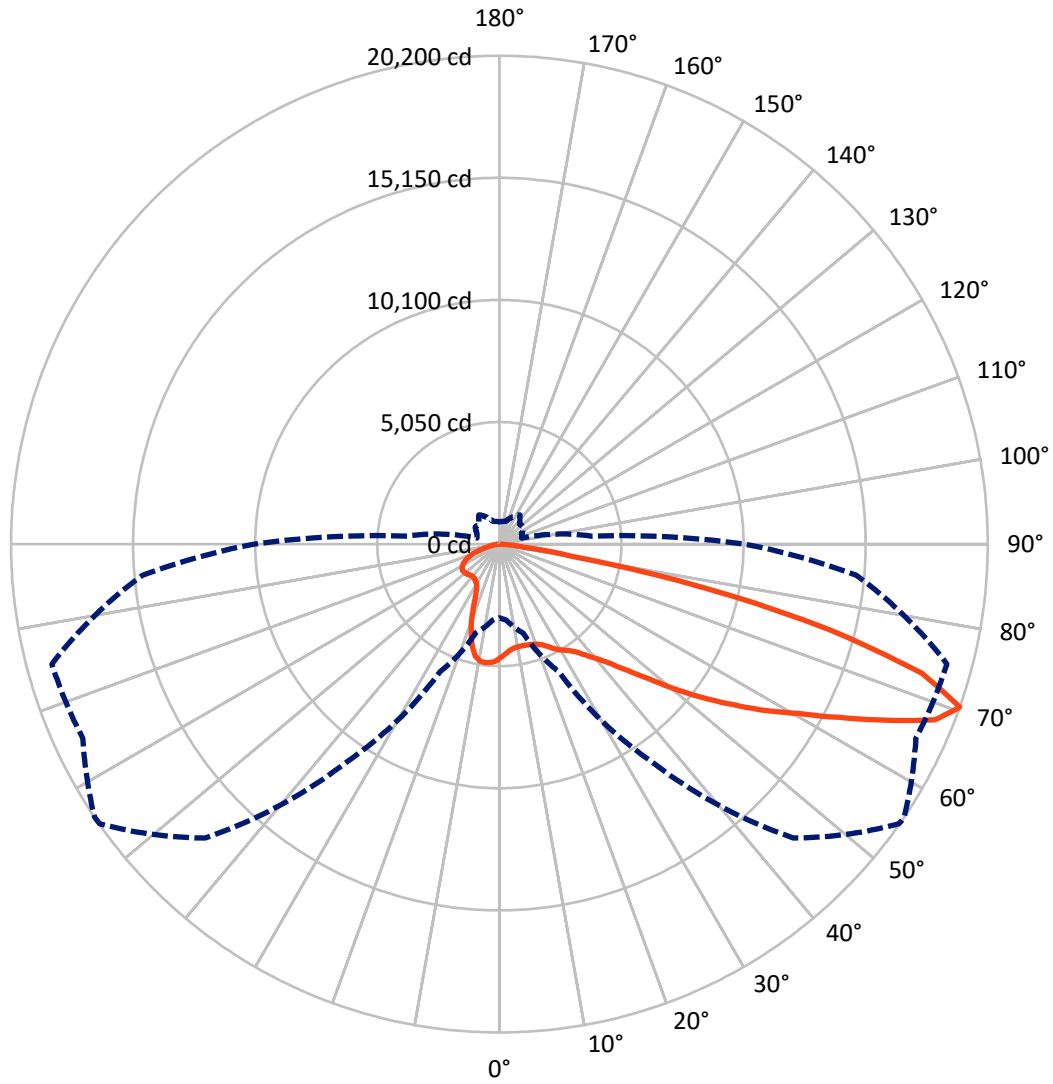
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5598.9	0.0	5598.9
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	23523.8	0.0	23523.8
	% Fixture	80.8	0.0	80.8
Total	Lumens	29122.7	0.0	29122.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.0	1.5
10°-20°	1178.7	4.0
20°-30°	1948.7	6.7
30°-40°	2913.5	10.0
40°-50°	4335.7	14.9
50°-60°	6164.1	21.2
60°-70°	7634.5	26.2
70°-80°	4215.5	14.5
80°-90°	296.9	1.0
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°	29122.7	100.0
0°-180°	29122.7	100.0

Coefficient of Utilization



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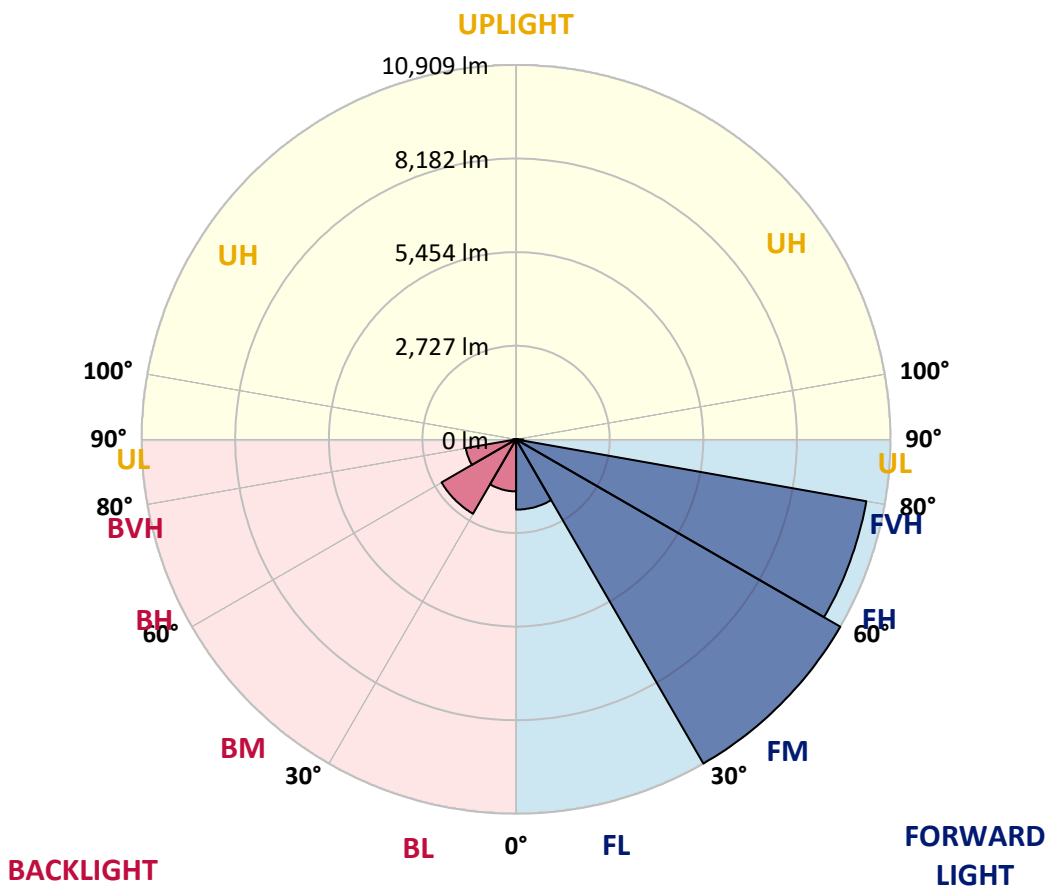
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2046.7	7.0			
FM (30°-60°)	10908.9	37.5			
FH (60°-80°)	10361.9	35.6			G4/12000
FVH (80°-90°)	206.3	0.7			G2/225
BL (0°-30°)	1515.7	5.2	B3/2500		
BM (30°-60°)	2504.5	8.6	B3/5000		
BH (60°-80°)	1488.2	5.1	B3/2500		G3/2500
BVH (80°-90°)	90.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	4700.9	4700.9	4700.9	4700.9	4700.9	4700.9	4700.9	4700.9	4700.9	4700.9	4700.9
2.5°	4399.0	4374.3	4403.1	4417.4	4454.4	4507.8	4555.0	4557.1	4581.7	4641.3	4698.8
5°	4199.8	4187.4	4195.6	4238.8	4277.8	4345.6	4417.4	4423.6	4493.4	4610.5	4725.5
7.5°	4045.7	4029.3	4060.1	4115.6	4164.8	4240.8	4335.3	4343.5	4442.1	4618.7	4795.3
10°	3823.9	3811.6	3869.1	3943.0	4049.8	4175.1	4300.4	4310.7	4440.0	4672.1	4918.5
12.5°	3727.4	3727.4	3752.1	3821.9	3938.9	4105.3	4294.2	4310.7	4472.9	4754.2	5076.7
15°	3877.3	3887.6	3867.1	3863.0	3910.2	4068.3	4302.4	4327.1	4534.5	4838.4	5232.8
17.5°	4179.2	4189.5	4136.1	4051.9	4004.7	4103.2	4333.2	4359.9	4600.2	4930.9	5401.2
20°	4602.3	4614.6	4497.5	4368.2	4205.9	4203.9	4392.8	4417.4	4684.4	5031.5	5579.8
22.5°	5097.2	5105.4	4957.6	4752.2	4503.7	4390.7	4495.5	4520.1	4793.3	5171.1	5772.9
25°	5670.2	5694.8	5516.2	5218.4	4881.6	4647.5	4665.9	4694.7	4988.4	5358.0	6000.8
27.5°	6282.2	6313.0	6107.6	5779.0	5314.9	4930.9	4885.7	4910.3	5195.8	5473.0	6122.0
30°	6908.5	6931.1	6725.8	6349.9	5781.1	5251.2	5070.5	5084.9	5286.1	5528.5	6245.2
32.5°	7604.7	7586.3	7389.1	6955.8	6319.1	5635.3	5243.0	5238.9	5386.8	5639.4	6421.8
35°	8257.8	8284.5	8075.0	7596.5	6910.6	6109.7	5501.8	5485.4	5600.4	5820.1	6670.3
37.5°	9048.5	9040.3	8789.7	8272.2	7504.1	6563.5	5865.3	5836.5	5877.6	6101.5	7017.4
40°	9613.2	9670.7	9508.5	9025.9	8198.3	7122.1	6290.4	6226.7	6237.0	6448.5	7481.5
42.5°	10075.3	10128.7	10145.1	9837.1	8993.0	7812.2	6820.2	6756.6	6762.7	7062.6	8052.4
45°	10430.6	10502.5	10734.5	10644.2	9888.4	8609.0	7537.0	7471.3	7475.4	7808.1	8742.5
47.5°	10576.4	10654.4	11124.7	11340.4	10839.3	9561.9	8428.3	8331.7	8346.1	8713.7	9531.1
50°	10529.2	10633.9	11270.5	11876.4	11636.1	10531.2	9494.1	9426.3	9370.9	9904.9	10387.5
52.5°	10122.5	10237.5	11256.2	12217.3	12287.1	11447.2	10594.9	10555.9	10543.5	11169.9	11344.5
55°	8925.3	9118.3	10761.2	12307.6	12796.4	12309.7	11788.1	11722.4	11786.0	12525.3	12311.8
57.5°	8261.9	8405.7	9791.9	12207.0	13213.3	13131.2	12979.2	12985.4	13057.2	13997.8	13484.4
60°	7884.0	8052.4	9253.8	11931.8	13613.8	14129.3	14225.8	14225.8	14355.2	15585.3	14675.5
62.5°	7382.9	7553.4	8750.7	11402.0	13983.4	15304.0	15792.7	15786.6	15837.9	17287.8	15840.0
65°	6366.4	6524.5	7740.3	10566.1	14164.2	16597.8	17573.3	17554.8	17452.1	18803.4	16610.1
67.5°	4622.8	4772.7	5928.9	8976.6	13513.2	17641.0	19407.2	19415.4	18801.4	19758.4	16651.2
70°	3047.6	3150.3	3811.6	5830.4	10989.2	17191.3	20175.3	20199.9	19008.8	19162.8	14819.3
72.5°	1901.7	1973.6	2380.2	3476.9	6493.7	13607.6	18203.7	18271.5	17100.9	16840.1	12176.2
75°	1263.0	1312.3	1583.4	2027.0	3004.5	7364.5	13837.6	14055.3	13706.2	13201.0	8483.7
77.5°	759.9	800.9	1008.4	1287.7	1330.8	2877.2	8077.1	8639.8	8689.1	6892.1	3552.8
80°	347.1	394.3	556.5	735.2	708.5	1002.2	2848.4	2979.9	3515.9	2189.2	1121.3
82.5°	205.4	225.9	369.7	365.6	301.9	486.7	1024.8	1051.5	893.3	800.9	478.5
85°	82.1	96.5	156.1	137.6	110.9	158.1	386.1	404.6	388.1	349.1	176.6
87.5°	0.0	0.0	0.0	0.0	2.1	4.1	34.9	37.0	53.4	96.5	53.4
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°	4700.9	4700.9	4700.9	4700.9	4700.9	4700.9	4700.9	4700.9	4700.9	4700.9	4700.9
2.5°	4735.8	4723.4	4785.1	4832.3	4852.8	4873.4	4854.9	4848.7	4848.7	4807.6	4787.1
5°	4787.1	4793.3	4877.5	4916.5	4916.5	4900.1	4850.8	4815.9	4803.5	4750.1	4735.8
7.5°	4883.6	4910.3	4988.4	4986.3	4928.8	4838.4	4715.2	4620.8	4534.5	4497.5	4474.9
10°	5041.8	5076.7	5130.1	5043.8	4883.6	4645.4	4384.6	4179.2	4056.0	3957.4	3957.4
12.5°	5222.5	5255.3	5245.1	5045.9	4715.2	4269.6	3893.8	3657.6	3485.1	3394.7	3394.7
15°	5403.2	5429.9	5319.0	4951.4	4364.0	3770.5	3359.8	3076.4	2926.5	2842.3	2842.3
17.5°	5586.0	5583.9	5349.8	4733.7	3906.1	3218.1	2815.6	2595.8	2544.5	2530.1	2528.1
20°	5762.6	5715.4	5310.8	4370.2	3374.2	2661.6	2406.9	2421.3	2497.3	2530.1	2534.2
22.5°	5961.8	5844.7	5195.8	3906.1	2770.4	2275.5	2291.9	2411.0	2521.9	2571.2	2577.4
25°	6165.1	5955.6	5002.7	3361.9	2265.2	2133.8	2261.1	2394.6	2519.9	2583.5	2589.7
27.5°	6247.3	5955.6	4674.2	2731.4	1996.2	2074.2	2213.9	2343.2	2474.7	2548.6	2563.0
30°	6315.0	5904.3	4214.1	2162.5	1885.3	2016.7	2137.9	2257.0	2386.4	2476.7	2493.2
32.5°	6409.5	5859.1	3657.6	1817.5	1833.9	1961.3	2045.5	2146.1	2263.1	2322.7	2316.5
35°	6520.4	5789.3	2986.0	1653.2	1790.8	1914.0	1973.6	2033.1	1979.7	1977.7	1983.8
37.5°	6678.5	5727.7	2400.7	1579.3	1762.0	1881.2	1930.5	1803.1	1729.2	1698.4	1686.1
40°	6906.5	5703.0	1893.5	1536.1	1757.9	1879.1	1844.2	1647.0	1546.4	1439.6	1437.6
42.5°	7194.0	5684.6	1564.9	1515.6	1772.3	1926.3	1725.1	1544.4	1336.9	1289.7	1285.6
45°	7563.7	5655.8	1400.6	1511.5	1807.2	1963.3	1712.8	1402.7	1261.0	1240.4	1240.4
47.5°	8009.3	5610.6	1326.7	1511.5	1846.2	1946.9	1675.8	1371.9	1226.0	1248.6	1263.0
50°	8520.7	5553.1	1287.7	1507.4	1885.3	1946.9	1597.8	1365.7	1217.8	1334.9	1382.1
52.5°	9067.0	5487.4	1261.0	1491.0	1912.0	1948.9	1601.9	1386.2	1226.0	1355.4	1394.4
55°	9670.7	5477.1	1224.0	1456.1	1920.2	1895.5	1612.1	1431.4	1238.4	1228.1	1230.1
57.5°	10432.6	5600.4	1197.3	1404.7	1887.3	1786.7	1632.7	1464.3	1224.0	1226.0	1240.4
60°	11229.5	5832.4	1219.9	1355.4	1819.6	1684.0	1647.0	1447.8	1154.2	1121.3	1125.4
62.5°	11907.2	6009.0	1238.4	1332.8	1721.0	1593.6	1632.7	1410.9	1115.1	1106.9	1125.4
65°	12190.6	5863.2	1193.2	1285.6	1577.2	1482.8	1601.9	1363.6	1082.3	1051.5	1053.5
67.5°	11876.4	5179.4	1104.9	1180.9	1415.0	1341.0	1552.6	1302.0	1037.1	1000.1	991.9
70°	10145.1	3805.5	952.9	1014.5	1217.8	1174.7	1476.6	1221.9	965.2	938.5	920.0
72.5°	8175.7	2694.4	790.7	807.1	955.0	989.9	1345.2	1121.3	883.1	807.1	780.4
75°	5690.7	1692.2	659.2	642.8	690.0	755.8	1049.4	930.3	761.9	681.8	657.2
77.5°	2448.0	868.7	515.5	507.3	460.0	523.7	805.0	776.3	638.7	546.3	531.9
80°	819.4	503.1	371.7	357.3	306.0	367.6	566.8	620.2	501.1	404.6	379.9
82.5°	410.7	291.6	236.2	213.6	205.4	232.1	334.7	386.1	347.1	279.3	236.2
85°	201.3	166.3	129.4	127.3	106.8	100.6	139.6	164.3	156.1	115.0	108.8
87.5°	73.9	65.7	41.1	32.9	20.5	14.4	8.2	8.2	6.2	6.2	6.2
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)