

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: P642300

Luminaire Tested: GWS-SA6C-750-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642300
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-SA6C-750-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28055.3 lumens
Efficiency: N/A
Efficacy: 148.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

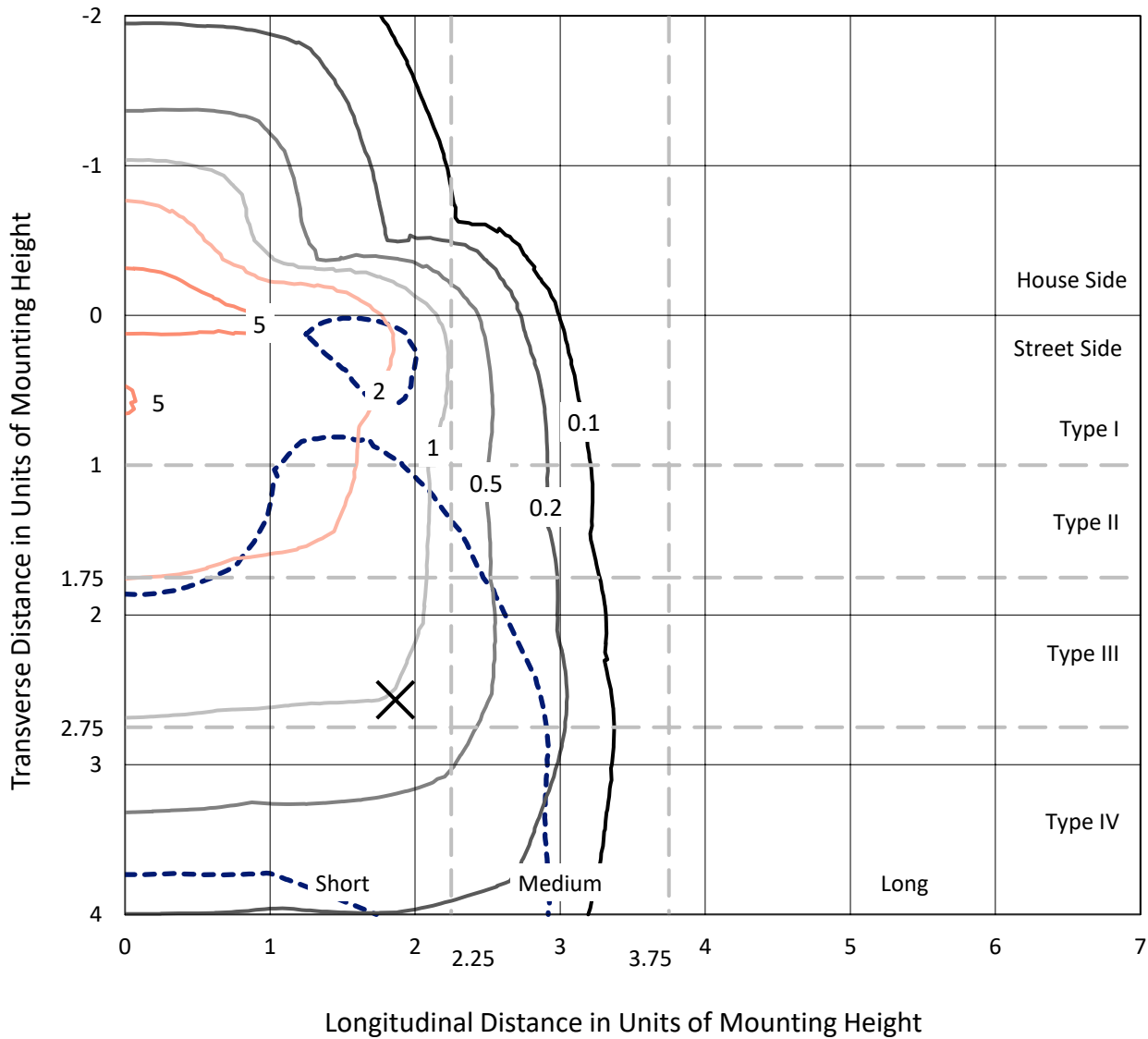
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

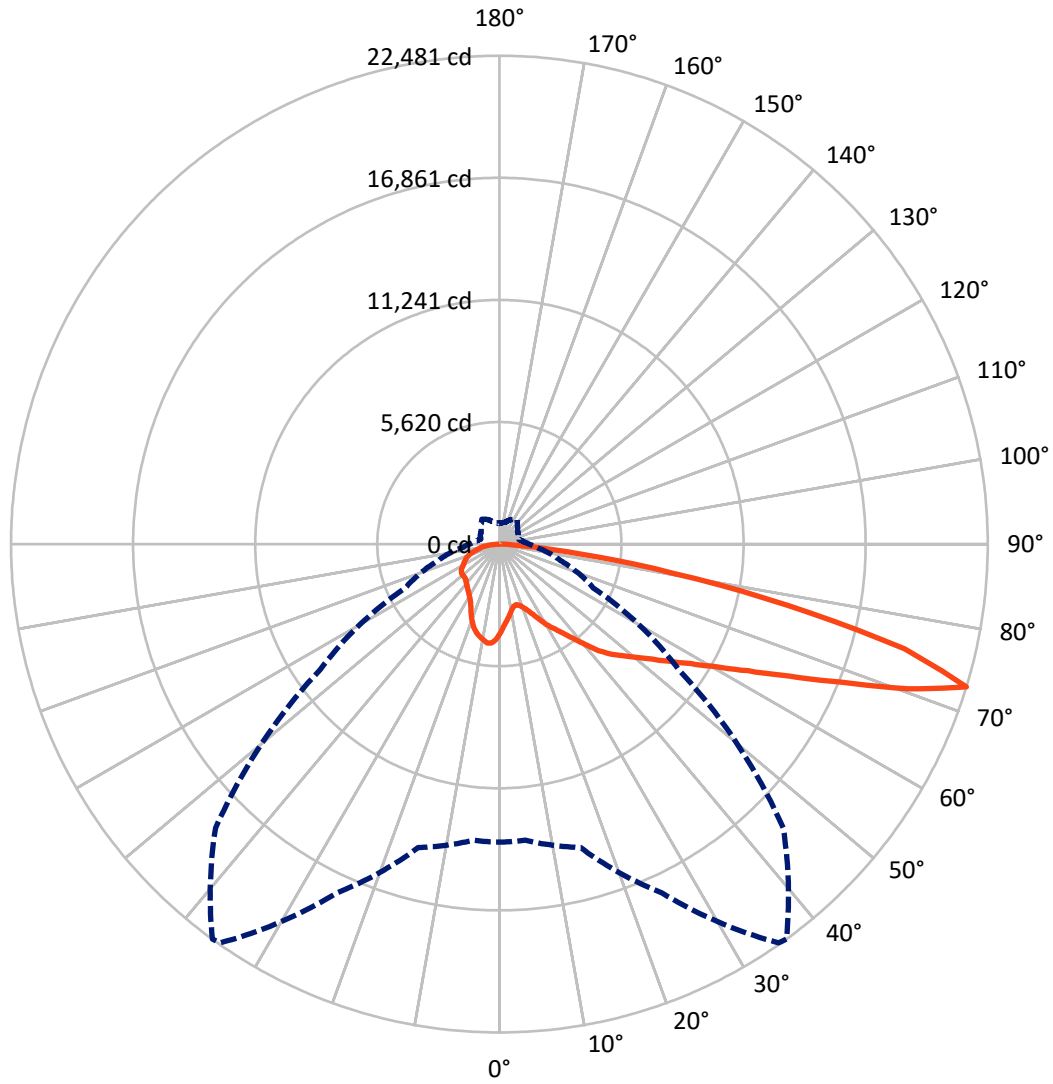
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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	6468.0	0.0	6468.0
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	21587.3	0.0	21587.3
	% Fixture	76.9	0.0	76.9
Total	Lumens	28055.3	0.0	28055.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.8	1.4
10°-20°	1082.9	3.9
20°-30°	1793.3	6.4
30°-40°	2685.7	9.6
40°-50°	3918.2	14.0
50°-60°	5576.8	19.9
60°-70°	7045.8	25.1
70°-80°	5020.8	17.9
80°-90°	548.1	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°	28055.3	100.0
0°-180°	28055.3	100.0

Coefficient of Utilization



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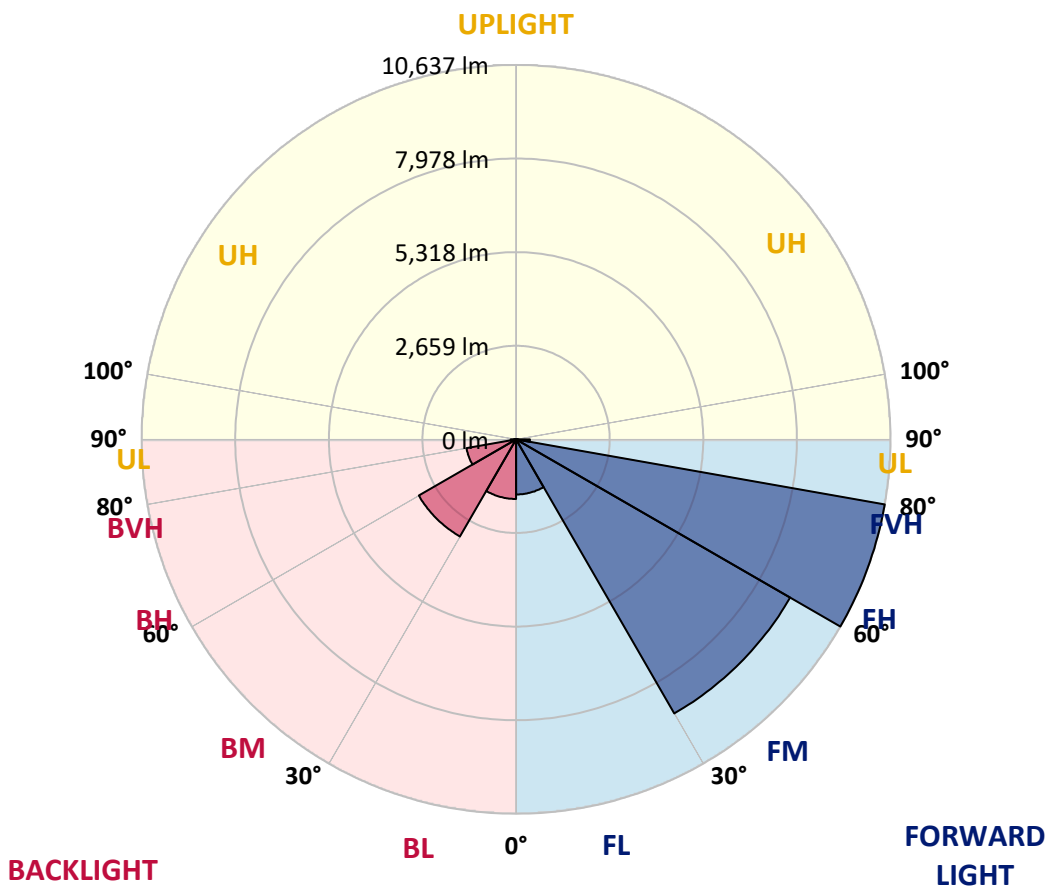
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1566.2	5.6			
FM (30°-60°)	8991.0	32.0			
FH (60°-80°)	10636.7	37.9			G4/12000
FVH (80°-90°)	393.4	1.4			G3/500
BL (0°-30°)	1693.7	6.0	B3/2500		
BM (30°-60°)	3189.6	11.4	B3/5000		
BH (60°-80°)	1429.9	5.1	B3/2500		G3/2500
BVH (80°-90°)	154.7	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°	4106.0	4106.0	4106.0	4106.0	4106.0	4106.0	4106.0	4106.0	4106.0	4106.0	4106.0
2.5°	3745.8	3739.6	3727.1	3764.5	3802.0	3797.9	3849.9	3899.9	3954.0	4010.2	4085.2
5°	3446.0	3441.8	3431.4	3487.6	3543.8	3541.8	3627.1	3708.3	3818.7	3939.4	4089.4
7.5°	3146.1	3135.7	3150.3	3221.1	3300.2	3308.6	3425.2	3558.4	3718.7	3899.9	4112.3
10°	2881.7	2879.6	2885.9	2965.0	3083.7	3092.0	3241.9	3427.2	3639.6	3881.1	4164.3
12.5°	2813.0	2808.8	2792.2	2831.7	2921.3	2933.8	3098.3	3325.2	3585.5	3891.6	4235.1
15°	2925.4	2915.0	2856.7	2838.0	2881.7	2892.1	3031.6	3264.8	3554.2	3910.3	4324.6
17.5°	3119.1	3112.8	3002.5	2925.4	2954.6	2962.9	3067.0	3254.4	3545.9	3947.8	4435.0
20°	3402.2	3375.2	3202.4	3085.8	3085.8	3098.3	3160.7	3300.2	3556.3	3993.6	4559.9
22.5°	3777.0	3722.9	3479.3	3321.0	3279.4	3296.1	3323.1	3414.7	3600.1	4070.6	4716.1
25°	4197.6	4147.7	3858.2	3635.5	3577.2	3583.4	3560.5	3577.2	3695.8	4176.8	4909.7
27.5°	4645.3	4612.0	4303.8	4020.7	3929.0	3929.0	3847.8	3808.3	3829.1	4297.6	5126.3
30°	5045.1	4999.3	4739.0	4428.8	4308.0	4308.0	4153.9	4068.5	4018.6	4445.4	5415.7
32.5°	5255.4	5228.3	5055.5	4818.1	4670.3	4647.4	4514.1	4414.2	4297.6	4664.0	5807.1
35°	5530.2	5524.0	5419.9	5234.5	5047.2	5013.8	4922.2	4843.1	4641.1	4936.8	6327.7
37.5°	5875.9	5865.4	5848.8	5738.4	5513.6	5507.3	5426.1	5330.3	5068.0	5330.3	6958.6
40°	6263.1	6244.4	6223.6	6221.5	6086.2	6063.2	6057.0	5948.7	5582.3	5805.1	7616.5
42.5°	6796.2	6731.6	6535.9	6623.3	6723.3	6702.5	6781.6	6619.2	6223.6	6369.3	8239.1
45°	7452.0	7293.8	6906.5	6931.5	7183.5	7225.1	7499.9	7460.4	6929.4	7021.0	8895.0
47.5°	7845.6	7708.2	7347.9	7327.1	7641.5	7693.6	8291.2	8366.1	7689.4	7806.0	9704.9
50°	8168.3	8072.5	7776.9	7806.0	8139.2	8191.2	9076.1	9236.5	8405.7	8609.7	10646.1
52.5°	8557.7	8420.3	8191.2	8328.6	8736.7	8799.2	9948.6	10121.4	9051.1	9492.6	11620.5
55°	8776.3	8720.1	8724.2	8934.5	9446.8	9532.1	10862.6	10833.5	9642.5	10248.4	12353.5
57.5°	9280.2	9259.4	9450.9	9530.0	10275.5	10385.8	11776.7	11526.8	10179.7	10833.5	12705.3
60°	10169.3	10117.2	10283.8	10404.6	11299.9	11456.0	12797.0	12205.6	10544.1	11268.6	12586.7
62.5°	11418.6	11354.0	11360.3	11551.8	12672.0	12836.5	13931.7	12772.0	10656.5	11335.3	11835.0
65°	12971.9	12878.2	12772.0	13032.2	14493.9	14631.3	15166.5	13184.2	10387.9	10694.0	10265.0
67.5°	14610.5	14533.5	14408.5	14954.1	16853.0	16936.3	16551.1	13148.8	9536.3	8978.3	7200.1
70°	14706.3	14725.0	15316.4	17290.3	19932.5	19953.3	17860.8	12436.7	7722.7	5819.6	3587.6
72.5°	13719.3	13688.1	14458.5	17717.1	22410.3	22481.1	18479.2	10075.6	4772.3	2902.5	1682.4
75°	11143.7	11197.9	12007.8	15501.7	19207.9	19270.4	15064.4	5940.4	2267.5	1420.0	1076.5
77.5°	4797.3	5099.2	6696.2	10920.9	13756.8	13563.2	7764.4	2407.0	1209.7	1011.9	824.5
80°	1384.6	1503.3	2386.2	5192.9	8243.3	8097.5	3073.3	901.6	843.3	760.0	591.3
82.5°	447.7	495.6	874.5	2067.6	3693.8	3689.6	1166.0	533.0	551.8	516.4	381.0
85°	124.9	143.7	268.6	626.7	1143.1	1120.2	337.3	251.9	293.6	297.7	189.5
87.5°	0.0	0.0	2.1	4.2	4.2	4.2	8.3	37.5	85.4	108.3	77.0
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°	4106.0	4106.0	4106.0	4106.0	4106.0	4106.0	4106.0	4106.0	4106.0	4106.0	4106.0
2.5°	4131.0	4124.8	4210.1	4276.8	4339.2	4380.9	4393.4	4401.7	4418.3	4426.7	4418.3
5°	4160.2	4191.4	4333.0	4437.1	4520.4	4570.3	4572.4	4568.3	4580.8	4570.3	4564.1
7.5°	4222.6	4283.0	4462.1	4572.4	4626.6	4628.6	4578.7	4520.4	4491.2	4466.2	4457.9
10°	4305.9	4395.4	4591.2	4664.0	4647.4	4570.3	4460.0	4368.4	4316.3	4278.8	4270.5
12.5°	4420.4	4520.4	4705.7	4703.6	4599.5	4462.1	4333.0	4222.6	4147.7	4103.9	4089.4
15°	4528.7	4655.7	4789.0	4691.1	4526.6	4360.0	4193.5	4045.6	3945.7	3877.0	3864.5
17.5°	4662.0	4797.3	4849.3	4651.5	4435.0	4220.5	3997.7	3804.1	3668.8	3587.6	3581.3
20°	4816.0	4936.8	4878.5	4582.8	4316.3	4035.2	3733.3	3516.8	3371.0	3291.9	3298.1
22.5°	4995.1	5082.6	4886.8	4489.1	4151.8	3772.9	3435.6	3227.3	3129.5	3087.8	3089.9
25°	5186.7	5242.9	4872.3	4362.1	3899.9	3452.2	3129.5	3033.7	3025.4	3015.0	3019.1
27.5°	5413.6	5401.1	4828.5	4183.1	3560.5	3079.5	2915.0	2940.0	2973.3	2969.2	2973.3
30°	5717.6	5598.9	4772.3	3935.3	3156.6	2767.2	2788.0	2858.8	2902.5	2906.7	2919.2
32.5°	6065.3	5817.6	4682.8	3598.0	2771.4	2592.3	2669.3	2754.7	2806.8	2817.2	2833.8
35°	6479.7	6067.4	4524.5	3177.4	2494.4	2488.2	2559.0	2617.3	2673.5	2677.7	2677.7
37.5°	6956.5	6317.3	4272.6	2713.1	2323.7	2398.6	2465.3	2477.8	2492.3	2479.9	2486.1
40°	7393.7	6558.8	3914.5	2290.4	2184.2	2319.5	2375.7	2334.1	2288.3	2257.1	2263.3
42.5°	7760.2	6723.3	3439.7	1994.7	2042.6	2248.7	2292.5	2207.1	2117.6	2059.3	2067.6
45°	8172.5	6875.3	2881.7	1794.8	1921.8	2198.8	2227.9	2117.6	2003.0	1915.6	1903.1
47.5°	8740.9	7185.5	2386.2	1655.3	1836.5	2171.7	2219.6	2069.7	1919.8	1788.6	1774.0
50°	9442.6	7624.9	1971.8	1563.7	1796.9	2157.1	2217.5	2017.6	1838.5	1684.5	1674.1
52.5°	10208.8	8053.8	1665.7	1492.9	1757.3	2113.4	2207.1	1959.3	1753.2	1586.6	1574.1
55°	10719.0	8222.4	1459.6	1426.3	1692.8	2044.7	2165.4	1903.1	1624.1	1472.1	1453.3
57.5°	10868.9	8005.9	1315.9	1365.9	1609.5	1948.9	2086.3	1784.4	1545.0	1424.2	1409.6
60°	10610.7	7460.4	1226.4	1315.9	1517.9	1826.1	1948.9	1715.7	1482.5	1374.2	1363.8
62.5°	9881.9	6619.2	1157.7	1263.9	1424.2	1697.0	1861.5	1632.4	1413.8	1328.4	1313.8
65°	8416.1	5428.2	1101.5	1209.7	1334.7	1574.1	1765.7	1549.1	1338.8	1274.3	1257.6
67.5°	5886.3	3812.4	1041.1	1145.2	1245.1	1455.4	1665.7	1472.1	1261.8	1213.9	1197.2
70°	2877.5	2021.8	968.2	1070.2	1149.4	1334.7	1565.8	1378.4	1159.8	1132.7	1109.8
72.5°	1370.1	1130.6	882.8	968.2	1018.2	1174.3	1399.2	1243.0	1039.0	980.7	941.1
75°	918.2	803.7	770.4	847.4	859.9	984.9	1199.3	1072.3	916.2	849.5	816.2
77.5°	695.4	614.2	647.6	716.3	691.3	810.0	986.9	955.7	826.6	766.2	749.6
80°	489.3	447.7	514.3	555.9	537.2	689.2	889.1	818.3	680.9	614.2	601.7
82.5°	308.2	299.8	379.0	385.2	391.4	545.5	730.8	643.4	528.9	435.2	403.9
85°	154.1	170.7	227.0	227.0	224.9	281.1	416.4	362.3	285.3	227.0	220.7
87.5°	52.1	72.9	97.9	79.1	60.4	47.9	54.1	66.6	70.8	68.7	68.7
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)