

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: P643331

Luminaire Tested: GWS-SA6E-760-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643331
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-760-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44808.3 lumens
Efficiency: N/A
Efficacy: 138.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G5

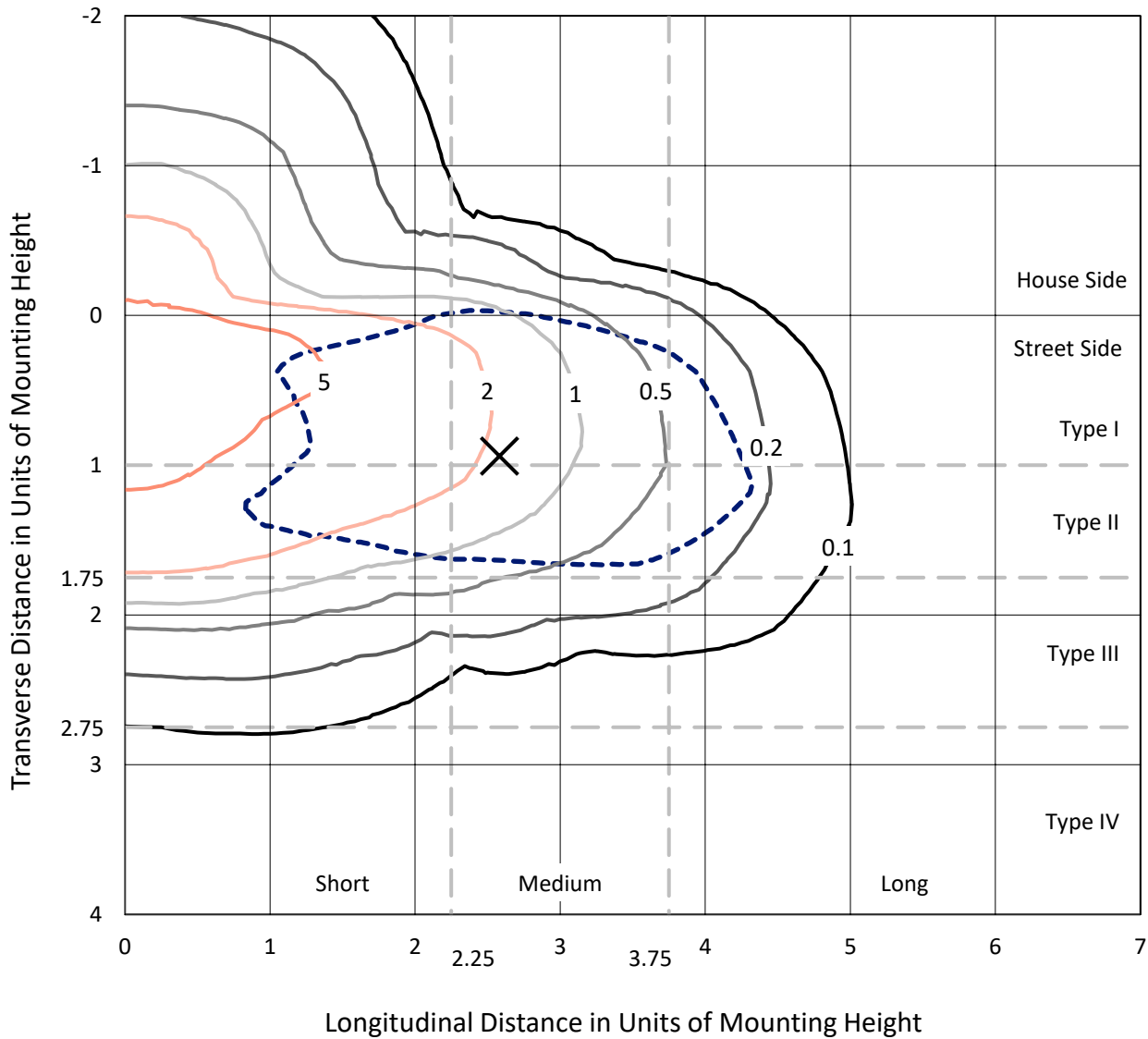
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

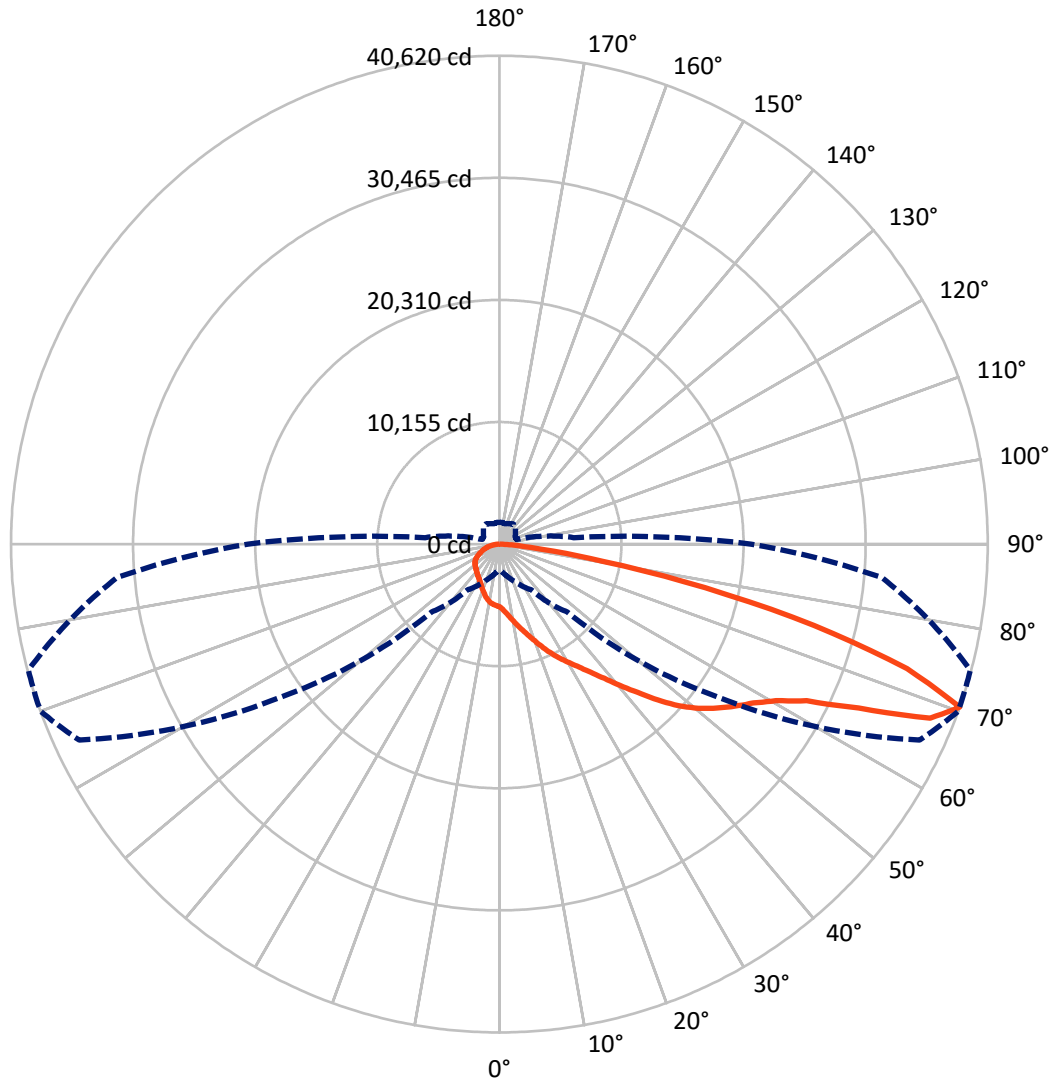
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.4 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	8029.8	0.0	8029.8
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	36778.6	0.0	36778.6
	% Fixture	82.1	0.0	82.1
Total	Lumens	44808.3	0.0	44808.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.1	1.2
10°-20°	1727.7	3.9
20°-30°	3060.7	6.8
30°-40°	4606.5	10.3
40°-50°	6969.1	15.6
50°-60°	9983.6	22.3
60°-70°	11035.7	24.6
70°-80°	6227.7	13.9
80°-90°	666.1	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°	44808.3	100.0
0°-180°	44808.3	100.0

Coefficient of Utilization



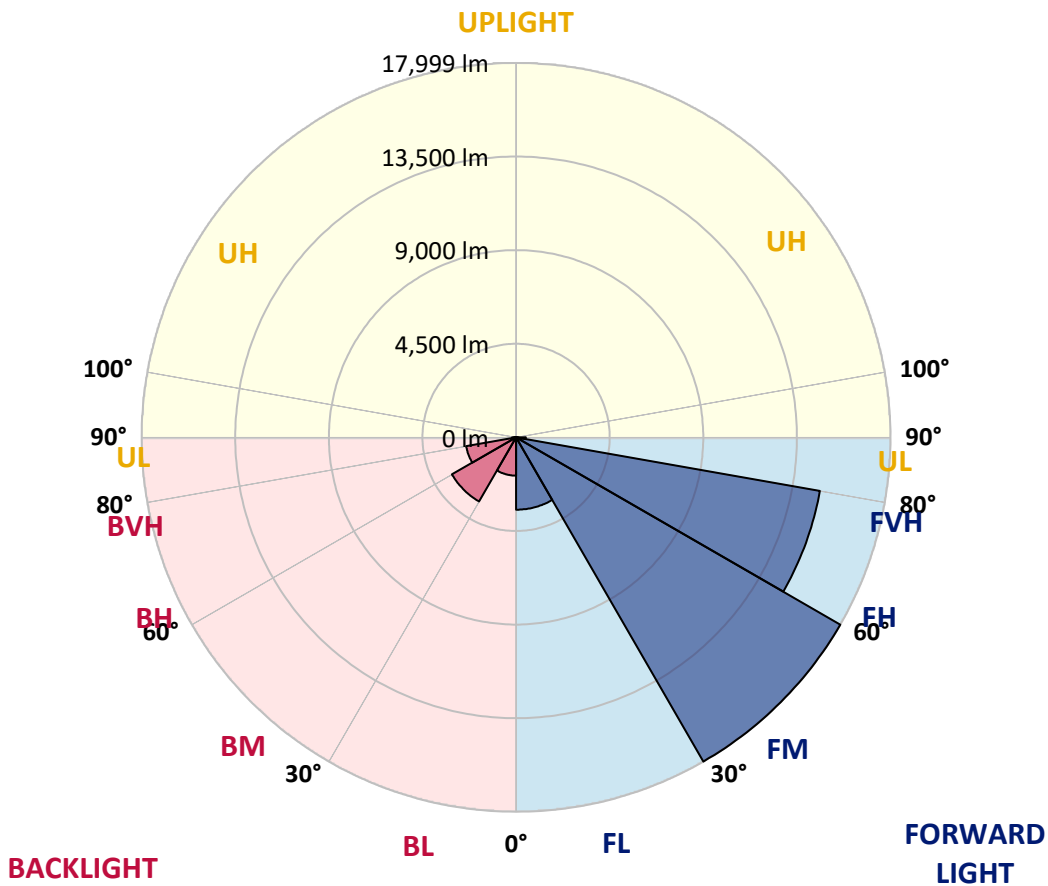
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3478.5	7.8			
FM (30°-60°)	17999.5	40.2			
FH (60°-80°)	14829.7	33.1			G5
FVH (80°-90°)	470.9	1.1			G3/500
BL (0°-30°)	1841.1	4.1	B3/2500		
BM (30°-60°)	3559.6	7.9	B3/5000		
BH (60°-80°)	2433.8	5.4	B3/2500		G3/2500
BVH (80°-90°)	195.2	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°	5225.6	5225.6	5225.6	5225.6	5225.6	5225.6	5225.6	5225.6	5225.6	5225.6	5225.6
2.5°	5788.9	5779.2	5785.7	5779.2	5743.6	5656.2	5585.0	5494.3	5432.8	5397.2	5313.0
5°	6468.8	6459.1	6436.5	6404.1	6339.3	6219.5	6041.5	5844.0	5724.2	5633.5	5455.4
7.5°	6957.7	6957.7	6954.5	6915.6	6870.3	6744.0	6533.6	6274.6	6099.7	5944.3	5652.9
10°	7207.0	7223.2	7245.9	7300.9	7291.2	7223.2	7025.7	6747.3	6527.1	6345.8	5912.0
12.5°	7343.0	7352.7	7391.6	7504.9	7621.4	7637.6	7521.1	7229.7	6990.1	6747.3	6200.1
15°	7517.8	7521.1	7572.9	7708.9	7880.5	8052.0	8022.9	7731.5	7485.5	7216.7	6520.6
17.5°	7653.8	7676.5	7770.4	7929.0	8142.7	8379.1	8521.5	8340.2	8035.9	7728.3	6870.3
20°	7702.4	7718.6	7841.6	8084.4	8375.8	8709.3	9026.6	8978.0	8670.4	8307.8	7265.3
22.5°	7877.2	7877.2	7967.9	8171.8	8515.0	9000.7	9515.5	9641.7	9369.8	8945.6	7689.4
25°	8262.5	8249.5	8291.6	8375.8	8634.8	9233.8	9997.9	10376.7	10072.3	9596.4	8113.6
27.5°	8790.2	8783.8	8780.5	8793.5	8880.9	9437.8	10405.8	11063.1	10758.7	10221.3	8492.4
30°	9363.3	9343.9	9386.0	9347.1	9327.7	9680.6	10752.3	11678.2	11441.9	10839.7	8806.4
32.5°	10143.6	10108.0	10098.2	9972.0	9894.3	10059.4	11030.7	12377.6	12189.8	11506.6	9159.3
35°	11173.1	11140.8	10975.7	10774.9	10545.0	10622.7	11377.1	13060.7	13073.7	12341.9	9622.3
37.5°	12212.4	12218.9	12089.4	11616.7	11380.4	11335.0	11904.9	13892.8	14171.2	13339.1	10221.3
40°	13076.9	13115.7	13115.7	12617.1	12264.2	12222.1	12646.3	14880.3	15433.9	14563.0	10978.9
42.5°	13734.1	13769.7	13883.1	13523.7	13151.4	13297.1	13546.3	15871.0	16864.9	16075.0	11937.2
45°	14456.1	14485.3	14546.8	14339.6	14122.7	14511.2	14566.2	17056.0	18503.2	17771.5	13051.0
47.5°	15414.5	15388.6	15395.1	15242.9	15074.5	15702.6	15689.7	18053.2	20086.4	19629.9	14258.6
50°	16605.9	16654.5	16609.2	16308.1	16110.6	16683.6	16758.1	19157.2	21478.6	21468.9	15476.0
52.5°	17752.1	17771.5	18011.1	18024.0	17619.3	17499.5	17693.8	20271.0	22653.9	23152.5	16644.8
55°	17810.3	17884.8	18603.6	19121.6	19775.6	18814.0	18639.2	21332.9	23790.3	24800.4	17858.9
57.5°	16570.3	16690.1	17910.7	19027.7	20847.3	21070.7	20258.0	22705.7	24926.7	26422.5	19264.0
60°	13921.9	14171.2	15828.9	17538.4	20364.9	22692.7	23570.1	24570.6	26419.3	28080.2	20970.3
62.5°	8890.6	8987.7	11312.4	14174.5	18192.4	22534.1	27176.9	27856.8	28692.1	30239.7	23599.3
65°	4451.8	4762.6	6125.6	8460.0	13119.0	19856.5	28999.7	33875.6	32852.5	33937.1	27860.0
67.5°	3020.7	3121.1	3810.7	5083.1	7692.7	14067.6	27869.7	38945.8	38644.7	38822.7	32402.5
70°	2227.5	2292.3	2836.2	3600.3	4652.5	7987.3	22187.7	38563.7	40619.6	40554.9	31926.5
72.5°	1625.3	1657.7	2068.9	2748.8	3448.1	4131.2	13549.6	31152.7	35458.8	37326.9	27921.5
75°	1181.7	1220.6	1437.5	2055.9	2680.8	2577.2	6689.0	22501.7	27040.9	30634.7	22747.8
77.5°	880.6	929.2	1029.6	1288.6	1877.8	1845.5	2891.2	14611.5	17489.8	20008.7	13818.3
80°	634.6	644.3	702.6	825.6	1191.5	1081.4	1376.0	7618.2	8735.2	9570.5	5416.6
82.5°	385.3	395.0	469.5	508.3	738.2	679.9	715.5	2467.1	3535.5	3752.4	2023.5
85°	113.3	119.8	213.7	233.1	307.6	291.4	288.2	1003.7	1197.9	1531.4	796.5
87.5°	0.0	0.0	0.0	0.0	3.2	19.4	35.6	178.1	268.7	372.3	194.3
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°	5225.6	5225.6	5225.6	5225.6	5225.6	5225.6	5225.6	5225.6	5225.6	5225.6	5225.6
2.5°	5280.6	5206.1	5167.3	5099.3	5050.7	5002.2	4953.6	4908.3	4888.9	4859.7	4866.2
5°	5374.5	5258.0	5141.4	5008.7	4895.3	4801.4	4717.3	4642.8	4610.4	4581.3	4594.2
7.5°	5517.0	5342.1	5118.7	4875.9	4697.8	4568.3	4480.9	4429.1	4412.9	4390.3	4390.3
10°	5698.3	5436.0	5044.3	4697.8	4484.2	4380.5	4341.7	4338.5	4354.6	4357.9	4351.4
12.5°	5899.0	5526.7	4934.2	4487.4	4306.1	4273.7	4302.8	4357.9	4412.9	4442.1	4435.6
15°	6106.2	5585.0	4746.4	4286.7	4176.6	4218.7	4312.6	4422.6	4529.5	4584.5	4581.3
17.5°	6300.5	5597.9	4503.6	4092.4	4063.3	4170.1	4332.0	4503.6	4649.3	4727.0	4730.2
20°	6517.4	5575.2	4254.3	3917.6	3949.9	4124.8	4338.5	4545.7	4717.3	4795.0	4814.4
22.5°	6714.9	5497.5	4011.5	3752.4	3852.8	4069.7	4286.7	4480.9	4633.1	4707.6	4733.5
25°	6893.0	5348.6	3746.0	3613.2	3778.3	3992.0	4157.1	4293.1	4400.0	4445.3	4480.9
27.5°	6990.1	5125.2	3545.2	3503.1	3707.1	3881.9	3972.6	4014.7	4050.3	4037.4	4063.3
30°	7009.5	4846.8	3370.4	3415.7	3600.3	3729.8	3749.2	3707.1	3645.6	3545.2	3567.9
32.5°	6990.1	4526.2	3224.7	3321.8	3480.5	3558.2	3532.3	3422.2	3273.3	3117.9	3127.6
35°	6996.6	4202.5	3104.9	3218.2	3341.3	3383.3	3318.6	3166.4	3007.8	2865.3	2858.8
37.5°	7067.8	3930.5	3004.5	3117.9	3205.3	3211.8	3140.5	2981.9	2900.9	2794.1	2781.1
40°	7265.3	3729.8	2913.9	3017.5	3072.5	3069.3	2988.4	2875.0	2930.1	2894.5	2884.8
42.5°	7589.1	3606.7	2839.4	2910.7	2949.5	2956.0	2891.2	2820.0	2939.8	2894.5	2878.3
45°	8110.3	3600.3	2787.6	2803.8	2865.3	2910.7	2865.3	2784.4	2829.7	2609.6	2567.5
47.5°	8728.7	3710.4	2748.8	2709.9	2816.8	2897.7	2826.5	2697.0	2603.1	2402.3	2373.2
50°	9473.4	3933.8	2713.2	2609.6	2745.5	2849.1	2777.9	2599.8	2457.4	2350.5	2334.3
52.5°	10357.3	4228.4	2667.8	2496.2	2638.7	2823.2	2777.9	2590.1	2402.3	2305.2	2289.0
55°	11283.2	4568.3	2616.0	2360.3	2518.9	2829.7	2800.6	2522.1	2360.3	2308.4	2295.5
57.5°	12432.6	4976.3	2522.1	2201.6	2412.1	2771.4	2709.9	2483.3	2331.1	2289.0	2276.1
60°	13925.2	5581.7	2344.1	2039.7	2289.0	2667.8	2629.0	2418.5	2253.4	2217.8	2208.1
62.5°	16288.6	6608.1	2127.1	1884.3	2143.3	2450.9	2509.2	2295.5	2156.3	2153.0	2149.8
65°	20141.5	7841.6	1871.4	1745.1	1991.2	2272.8	2350.5	2169.2	2055.9	2091.5	2088.3
67.5°	22841.7	7948.4	1660.9	1599.4	1813.1	2078.6	2191.9	2039.7	1916.7	1984.7	1981.4
70°	20921.7	6200.1	1479.6	1447.2	1622.1	1868.1	2020.3	1877.8	1754.8	1819.6	1806.6
72.5°	17645.2	4752.9	1308.0	1288.6	1427.8	1648.0	1800.1	1716.0	1586.5	1586.5	1557.3
75°	14180.9	3920.8	1126.7	1117.0	1210.9	1424.6	1596.2	1453.7	1333.9	1327.4	1308.0
77.5°	8133.0	2570.7	945.4	938.9	968.1	1191.5	1240.0	1210.9	1120.2	1078.1	1065.2
80°	3240.9	1337.2	744.7	702.6	731.7	874.2	977.8	929.2	851.5	799.7	770.6
82.5°	1256.2	670.2	524.5	459.7	501.8	631.3	709.0	692.9	641.1	524.5	492.1
85°	511.5	327.0	314.1	265.5	291.4	340.0	407.9	352.9	291.4	207.2	197.5
87.5°	136.0	119.8	116.6	71.2	55.0	16.2	3.2	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)