

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: P642630

Luminaire Tested: GWS-SA6D-730-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642630
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-SA6D-730-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31507.9 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

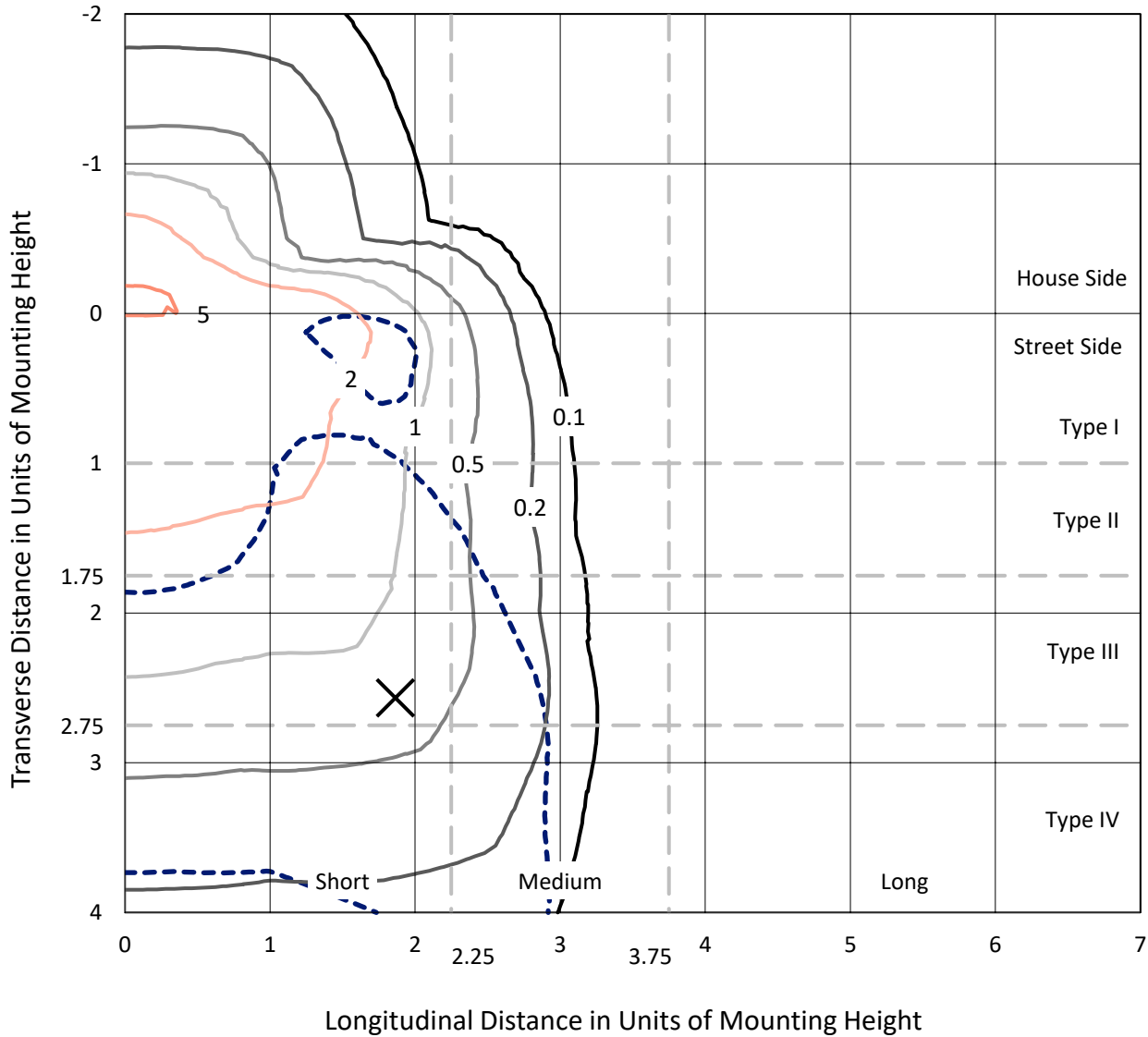
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

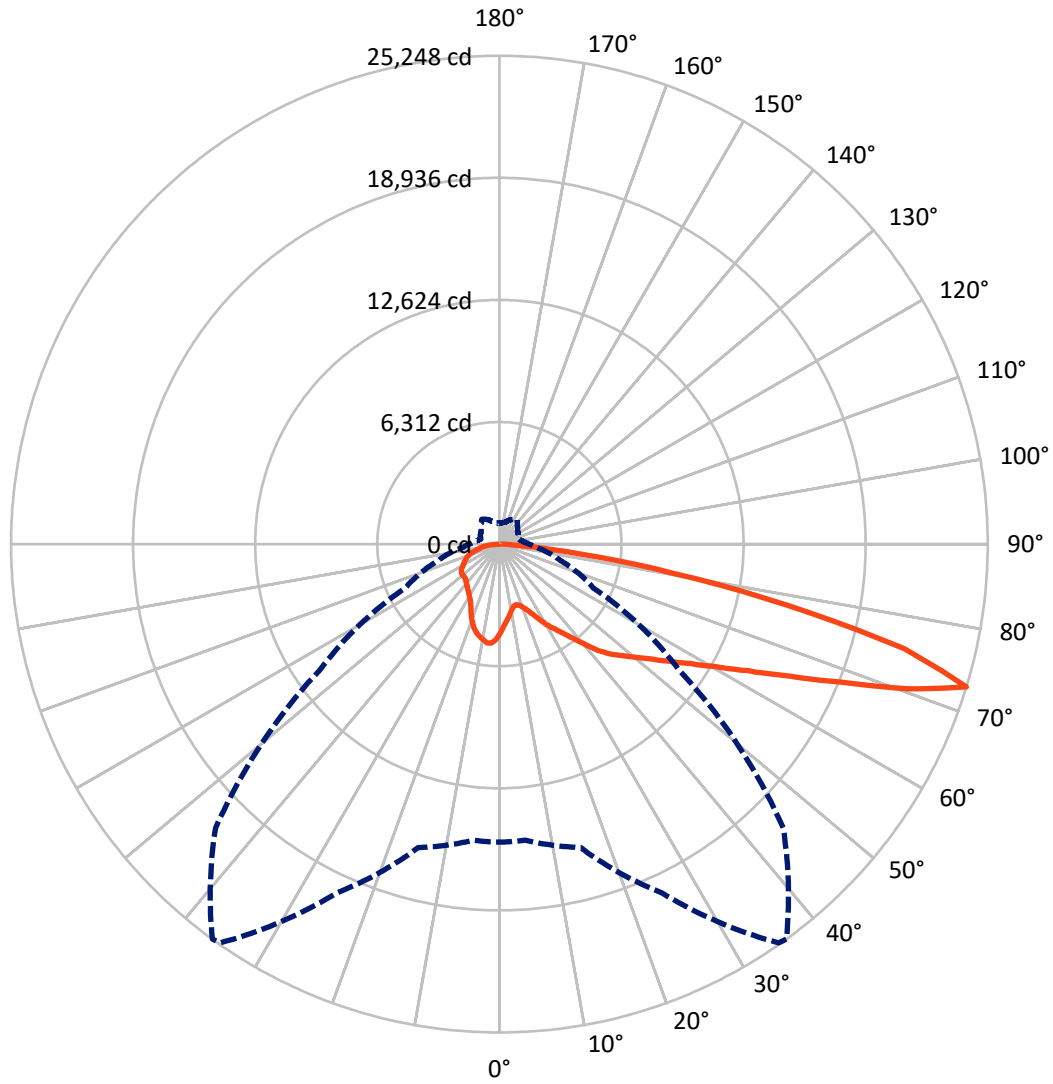
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.5 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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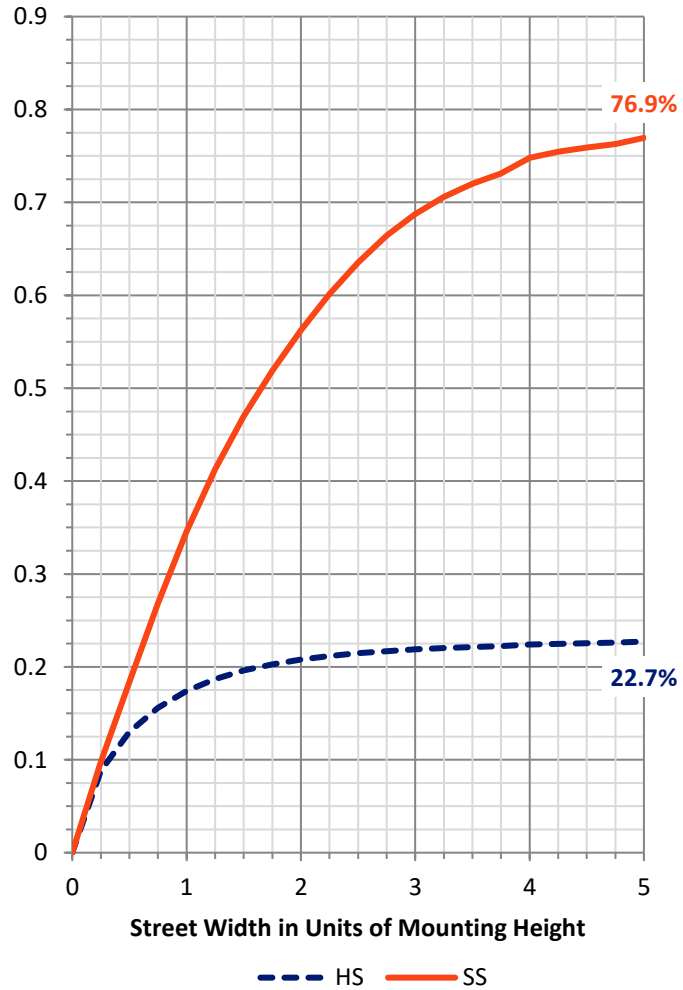
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7263.9	0.0	7263.9
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	24244.0	0.0	24244.0
	% Fixture	76.9	0.0	76.9
Total	Lumens	31507.9	0.0	31507.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	431.0	1.4
10°-20°	1216.1	3.9
20°-30°	2014.0	6.4
30°-40°	3016.2	9.6
40°-50°	4400.4	14.0
50°-60°	6263.1	19.9
60°-70°	7912.9	25.1
70°-80°	5638.6	17.9
80°-90°	615.5	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°	31507.9	100.0
0°-180°	31507.9	100.0

Coefficient of Utilization



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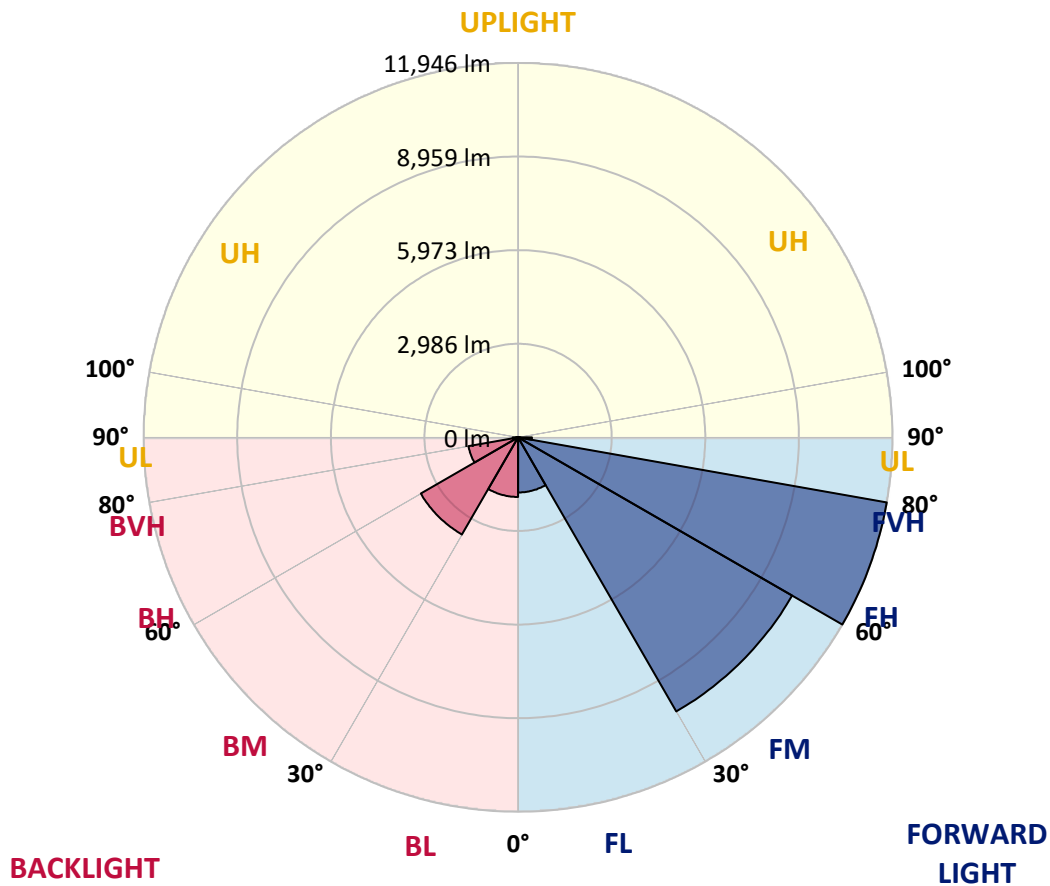
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1759.0	5.6			
FM (30°-60°)	10097.5	32.0			
FH (60°-80°)	11945.7	37.9			G4/12000
FVH (80°-90°)	441.8	1.4			G3/500
BL (0°-30°)	1902.2	6.0	B3/2500		
BM (30°-60°)	3582.1	11.4	B3/5000		
BH (60°-80°)	1605.9	5.1	B3/2500		G3/2500
BVH (80°-90°)	173.7	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°	4611.3	4611.3	4611.3	4611.3	4611.3	4611.3	4611.3	4611.3	4611.3	4611.3	4611.3
2.5°	4206.8	4199.8	4185.7	4227.8	4269.9	4265.2	4323.7	4379.8	4440.6	4503.8	4587.9
5°	3870.0	3865.4	3853.7	3916.8	3980.0	3977.6	4073.5	4164.7	4288.6	4424.3	4592.6
7.5°	3533.3	3521.6	3538.0	3617.5	3706.4	3715.7	3846.7	3996.3	4176.4	4379.8	4618.3
10°	3236.3	3234.0	3241.0	3329.9	3463.2	3472.5	3640.9	3849.0	4087.5	4358.8	4676.8
12.5°	3159.2	3154.5	3135.8	3180.2	3280.8	3294.8	3479.5	3734.4	4026.7	4370.5	4756.3
15°	3285.5	3273.8	3208.3	3187.2	3236.3	3248.0	3404.7	3666.6	3991.6	4391.5	4856.9
17.5°	3502.9	3495.9	3372.0	3285.5	3318.2	3327.5	3444.5	3654.9	3982.3	4433.6	4980.8
20°	3820.9	3790.5	3596.5	3465.5	3465.5	3479.5	3549.7	3706.4	3994.0	4485.0	5121.1
22.5°	4241.9	4181.1	3907.5	3729.7	3683.0	3701.7	3732.1	3835.0	4043.1	4571.6	5296.5
25°	4714.2	4658.1	4333.1	4082.8	4017.4	4024.4	3998.7	4017.4	4150.7	4690.8	5513.9
27.5°	5217.0	5179.6	4833.5	4515.4	4412.6	4412.6	4321.4	4276.9	4300.3	4826.5	5757.1
30°	5665.9	5614.5	5322.2	4973.8	4838.1	4838.1	4665.1	4569.2	4513.1	4992.5	6082.2
32.5°	5902.1	5871.7	5677.6	5411.1	5245.0	5219.3	5069.6	4957.4	4826.5	5238.0	6521.8
35°	6210.8	6203.8	6086.9	5878.7	5668.3	5630.9	5528.0	5439.1	5212.3	5544.3	7106.4
37.5°	6599.0	6587.3	6568.6	6444.6	6192.1	6185.1	6093.9	5986.3	5691.7	5986.3	7814.9
40°	7033.9	7012.9	6989.5	6987.1	6835.1	6809.4	6802.4	6680.8	6269.2	6519.5	8553.9
42.5°	7632.5	7560.0	7340.2	7438.4	7550.7	7527.3	7616.2	7433.8	6989.5	7153.2	9253.0
45°	8369.1	8191.4	7756.5	7784.5	8067.5	8114.2	8422.9	8378.5	7782.2	7885.1	9989.6
47.5°	8811.1	8656.8	8252.2	8228.8	8581.9	8640.4	9311.5	9395.7	8635.7	8766.7	10899.3
50°	9173.5	9066.0	8733.9	8766.7	9140.8	9199.3	10193.1	10373.1	9440.1	9669.3	11956.2
52.5°	9610.8	9456.5	9199.3	9353.6	9811.9	9882.1	11172.9	11367.0	10165.0	10660.8	13050.6
55°	9856.4	9793.2	9797.9	10034.1	10609.3	10705.2	12199.4	12166.7	10829.1	11509.6	13873.7
57.5°	10422.2	10398.9	10614.0	10702.9	11540.0	11663.9	13226.0	12945.4	11432.4	12166.7	14268.9
60°	11420.7	11362.3	11549.4	11685.0	12690.5	12865.9	14371.8	13707.7	11841.7	12655.4	14135.6
62.5°	12823.8	12751.3	12758.3	12973.4	14231.5	14416.2	15646.2	14343.7	11967.9	12730.2	13291.5
65°	14568.2	14463.0	14343.7	14636.0	16277.6	16431.9	17032.9	14806.7	11666.3	12010.0	11528.3
67.5°	16408.5	16322.0	16181.7	16794.4	18927.0	19020.5	18587.9	14767.0	10709.9	10083.2	8086.2
70°	16516.1	16537.2	17201.3	19418.1	22385.5	22408.9	20058.8	13967.3	8673.1	6535.8	4029.1
72.5°	15407.7	15372.6	16237.8	19897.4	25168.2	25247.7	20753.3	11315.5	5359.6	3259.7	1889.4
75°	12515.1	12575.9	13485.5	17409.4	21571.7	21641.9	16918.3	6671.5	2546.5	1594.8	1209.0
77.5°	5387.7	5726.7	7520.3	12264.9	15449.8	15232.3	8719.9	2703.2	1358.6	1136.5	926.0
80°	1555.0	1688.3	2679.8	5832.0	9257.7	9094.0	3451.5	1012.5	947.1	853.5	664.1
82.5°	502.8	556.5	982.1	2322.0	4148.3	4143.6	1309.5	598.6	619.7	579.9	427.9
85°	140.3	161.3	301.7	703.9	1283.8	1258.1	378.8	282.9	329.7	334.4	212.8
87.5°	0.0	0.0	2.3	4.7	4.7	4.7	9.4	42.1	95.9	121.6	86.5
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°	4611.3	4611.3	4611.3	4611.3	4611.3	4611.3	4611.3	4611.3	4611.3	4611.3	4611.3
2.5°	4639.4	4632.4	4728.2	4803.1	4873.2	4920.0	4934.0	4943.4	4962.1	4971.4	4962.1
5°	4672.1	4707.2	4866.2	4983.1	5076.7	5132.8	5135.1	5130.4	5144.5	5132.8	5125.8
7.5°	4742.3	4810.1	5011.2	5135.1	5195.9	5198.3	5142.1	5076.7	5043.9	5015.9	5006.5
10°	4835.8	4936.4	5156.2	5238.0	5219.3	5132.8	5008.9	4906.0	4847.5	4805.4	4796.1
12.5°	4964.4	5076.7	5284.8	5282.4	5165.5	5011.2	4866.2	4742.3	4658.1	4609.0	4592.6
15°	5086.0	5228.7	5378.3	5268.4	5083.7	4896.6	4709.5	4543.5	4431.3	4354.1	4340.1
17.5°	5235.7	5387.7	5446.1	5224.0	4980.8	4739.9	4489.7	4272.3	4120.3	4029.1	4022.0
20°	5408.7	5544.3	5478.9	5146.8	4847.5	4531.8	4192.7	3949.6	3785.9	3697.0	3704.0
22.5°	5609.8	5708.0	5488.2	5041.6	4662.8	4237.2	3858.4	3624.5	3514.6	3467.8	3470.2
25°	5825.0	5888.1	5471.9	4898.9	4379.8	3877.1	3514.6	3407.0	3397.7	3386.0	3390.7
27.5°	6079.8	6065.8	5422.7	4697.8	3998.7	3458.5	3273.8	3301.8	3339.2	3334.6	3339.2
30°	6421.2	6288.0	5359.6	4419.6	3545.0	3107.7	3131.1	3210.6	3259.7	3264.4	3278.4
32.5°	6811.8	6533.5	5259.1	4040.8	3112.4	2911.3	2997.8	3093.7	3152.2	3163.9	3182.6
35°	7277.1	6814.1	5081.3	3568.4	2801.4	2794.4	2873.9	2939.4	3002.5	3007.2	3007.2
37.5°	7812.6	7094.7	4798.4	3046.9	2609.7	2693.8	2768.7	2782.7	2799.1	2785.0	2792.0
40°	8303.7	7366.0	4396.2	2572.2	2453.0	2605.0	2668.1	2621.3	2569.9	2534.8	2541.8
42.5°	8715.2	7550.7	3863.0	2240.2	2294.0	2525.5	2574.6	2478.7	2378.2	2312.7	2322.0
45°	9178.2	7721.4	3236.3	2015.7	2158.3	2469.3	2502.1	2378.2	2249.5	2151.3	2137.3
47.5°	9816.6	8069.8	2679.8	1859.0	2062.5	2438.9	2492.7	2324.4	2156.0	2008.7	1992.3
50°	10604.6	8563.2	2214.5	1756.1	2018.0	2422.6	2490.4	2265.9	2064.8	1891.8	1880.1
52.5°	11465.2	9044.9	1870.7	1676.6	1973.6	2373.5	2478.7	2200.4	1968.9	1781.9	1767.8
55°	12038.1	9234.3	1639.2	1601.8	1901.1	2296.3	2431.9	2137.3	1824.0	1653.2	1632.2
57.5°	12206.4	8991.1	1477.9	1534.0	1807.6	2188.7	2343.1	2004.0	1735.1	1599.5	1583.1
60°	11916.5	8378.5	1377.3	1477.9	1704.7	2050.8	2188.7	1926.8	1664.9	1543.3	1531.7
62.5°	11098.0	7433.8	1300.1	1419.4	1599.5	1905.8	2090.5	1833.3	1587.8	1491.9	1475.5
65°	9451.8	6096.2	1237.0	1358.6	1498.9	1767.8	1983.0	1739.8	1503.6	1431.1	1412.4
67.5°	6610.7	4281.6	1169.2	1286.1	1398.4	1634.5	1870.7	1653.2	1417.1	1363.3	1344.6
70°	3231.7	2270.6	1087.4	1201.9	1290.8	1498.9	1758.5	1548.0	1302.5	1272.1	1246.4
72.5°	1538.7	1269.8	991.5	1087.4	1143.5	1318.9	1571.4	1396.0	1166.9	1101.4	1057.0
75°	1031.2	902.6	865.2	951.7	965.8	1106.1	1346.9	1204.3	1028.9	954.1	916.7
77.5°	781.0	689.8	727.2	804.4	776.3	909.6	1108.4	1073.3	928.3	860.5	841.8
80°	549.5	502.8	577.6	624.4	603.3	774.0	998.5	919.0	764.7	689.8	675.8
82.5°	346.1	336.7	425.6	432.6	439.6	612.7	820.8	722.6	594.0	488.7	453.6
85°	173.0	191.7	254.9	254.9	252.5	315.7	467.7	406.9	320.4	254.9	247.9
87.5°	58.5	81.8	109.9	88.9	67.8	53.8	60.8	74.8	79.5	77.2	77.2
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)