

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: P642614

Luminaire Tested: GWS-SA6D-730-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-730-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27195.8 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

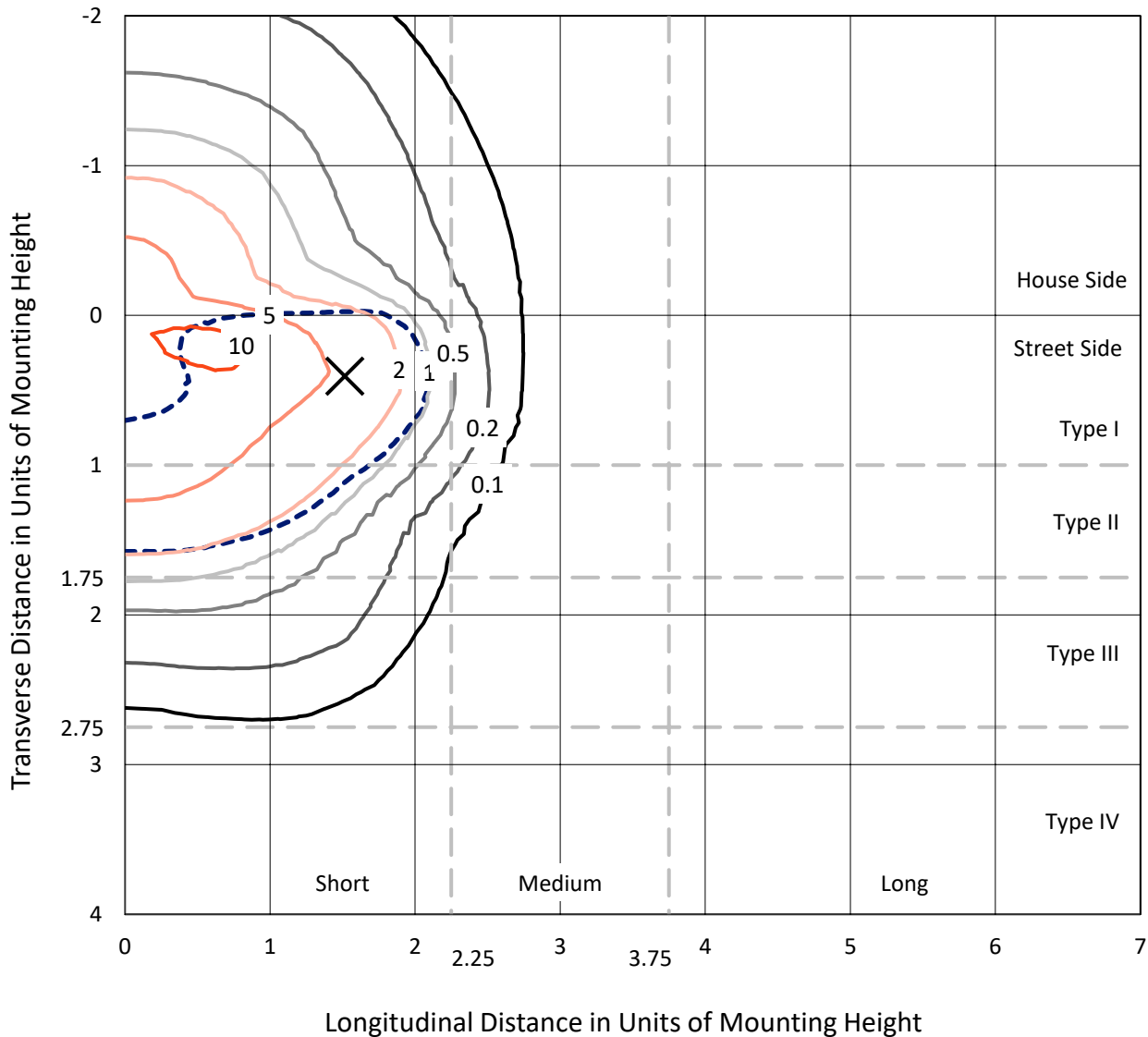
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

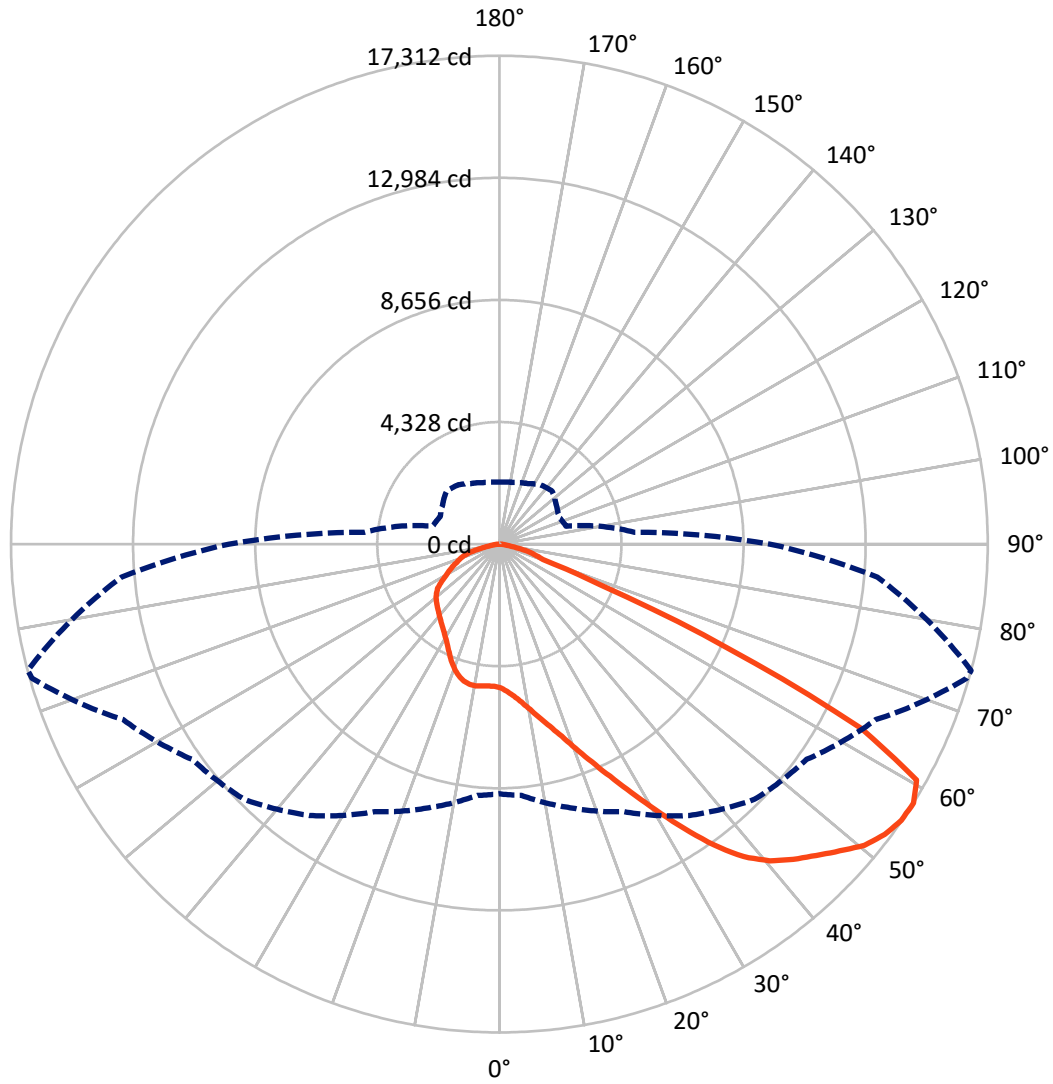
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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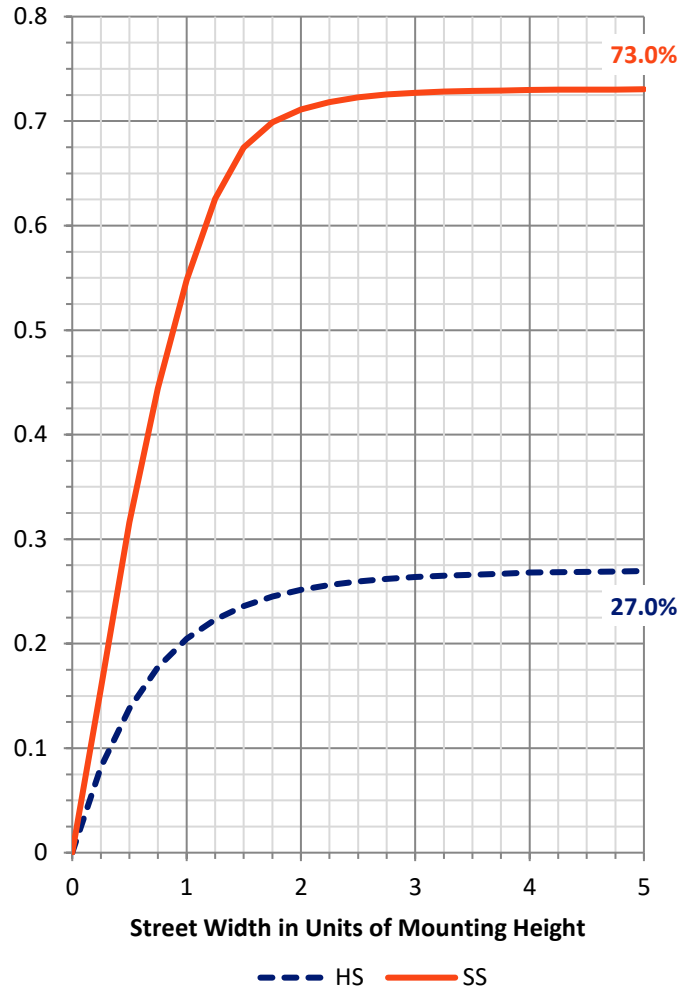
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7357.0	0.0	7357.0
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	19838.8	0.0	19838.8
	% Fixture	72.9	0.0	72.9
Total	Lumens	27195.8	0.0	27195.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	509.7	1.9
10°-20°	1622.7	6.0
20°-30°	2877.8	10.6
30°-40°	4405.4	16.2
40°-50°	6134.1	22.6
50°-60°	7028.5	25.8
60°-70°	3611.4	13.3
70°-80°	909.2	3.3
80°-90°	97.2	0.4
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°	27195.8	100.0
0°-180°	27195.8	100.0

Coefficient of Utilization



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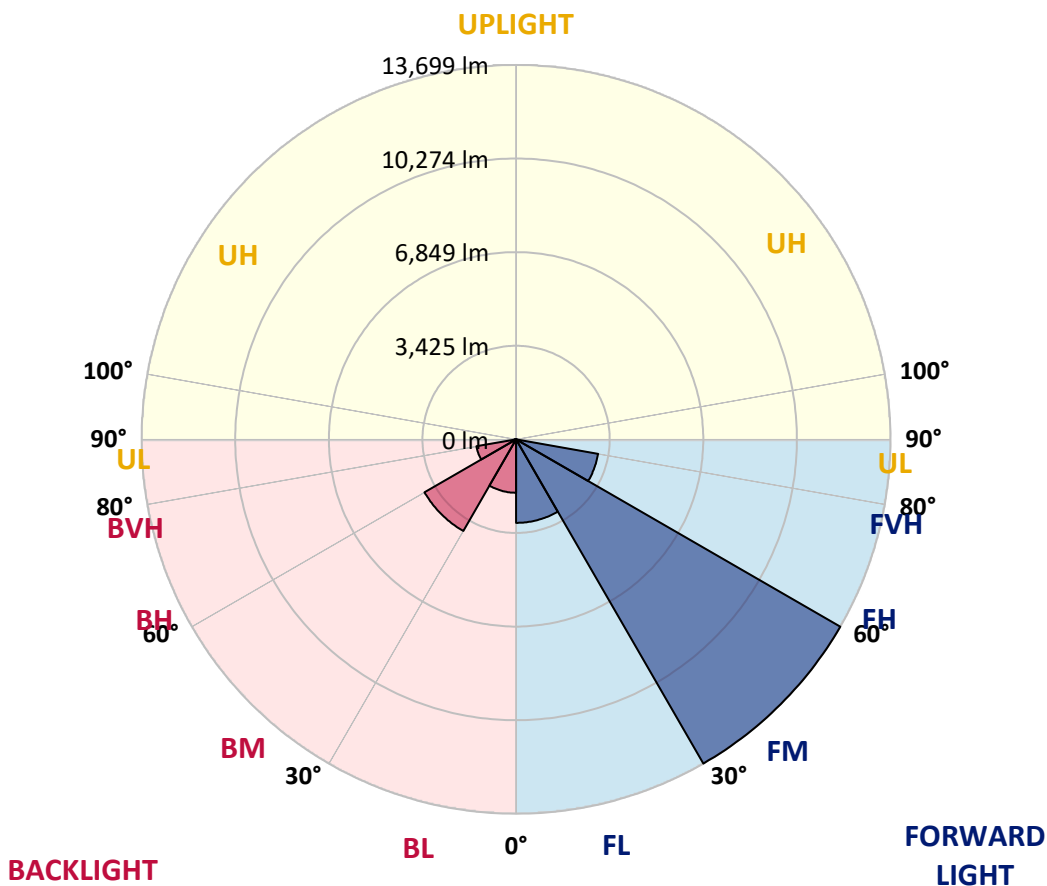
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3055.6	11.2			
FM (30°-60°)	13698.8	50.4			
FH (60°-80°)	3048.4	11.2			G2/5000
FVH (80°-90°)	36.0	0.1			G1/100
BL (0°-30°)	1954.5	7.2	B3/2500		
BM (30°-60°)	3869.1	14.2	B3/5000		
BH (60°-80°)	1472.2	5.4	B3/2500		G3/2500
BVH (80°-90°)	61.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	5093.1	5093.1	5093.1	5093.1	5093.1	5093.1	5093.1	5093.1	5093.1	5093.1	5093.1
2.5°	5471.9	5486.0	5471.9	5495.3	5448.6	5427.5	5376.1	5298.9	5238.1	5228.7	5160.9
5°	5897.5	5927.9	5909.2	5899.9	5836.7	5790.0	5712.8	5558.5	5432.2	5413.5	5280.2
7.5°	6171.1	6192.2	6192.2	6199.2	6175.8	6122.0	6040.2	5857.8	5680.1	5652.0	5450.9
10°	6262.3	6278.7	6309.1	6367.6	6414.3	6430.7	6376.9	6201.5	5984.1	5956.0	5675.4
12.5°	6283.4	6302.1	6348.9	6456.4	6585.0	6702.0	6711.3	6582.7	6339.5	6309.1	5935.0
15°	6323.1	6341.8	6405.0	6538.3	6727.7	6952.2	7090.1	7001.3	6732.4	6699.6	6229.6
17.5°	6318.5	6339.5	6433.0	6610.8	6865.7	7190.7	7457.3	7494.7	7216.4	7160.3	6564.0
20°	6306.8	6325.5	6426.0	6643.5	6959.2	7405.8	7887.6	8081.6	7782.3	7730.9	6954.5
22.5°	6400.3	6421.4	6498.5	6678.6	7008.3	7571.9	8285.1	8752.8	8453.5	8381.0	7403.5
25°	6610.8	6641.2	6687.9	6811.9	7097.2	7719.2	8692.0	9512.8	9206.4	9119.9	7892.2
27.5°	6935.8	6973.2	7038.7	7097.2	7295.9	7906.3	9096.5	10364.0	10057.6	9966.4	8409.0
30°	7333.3	7382.5	7466.6	7506.4	7642.0	8182.2	9536.2	11240.9	11063.2	10936.9	8991.3
32.5°	7882.9	7950.7	8030.2	8041.9	8123.7	8600.8	9971.1	12110.8	12108.4	12019.6	9653.1
35°	8598.4	8670.9	8687.3	8703.7	8743.4	9176.0	10497.3	12903.5	13209.8	13107.0	10373.3
37.5°	9379.5	9484.7	9510.4	9437.9	9494.1	9868.2	11088.9	13539.6	14168.6	14058.7	11070.2
40°	10214.3	10256.4	10326.5	10212.0	10282.1	10660.9	11668.8	13946.5	14884.2	14767.2	11619.7
42.5°	10812.9	10890.1	10995.3	10953.2	10993.0	11339.1	12075.7	14142.9	15393.9	15277.0	12014.9
45°	11463.0	11486.4	11554.2	11544.9	11568.3	11891.0	12368.0	14229.4	15849.9	15744.7	12351.6
47.5°	12028.9	12064.0	12108.4	12057.0	12005.5	12216.0	12606.5	14304.2	16376.1	16249.8	12704.7
50°	12573.8	12604.2	12658.0	12508.3	12316.6	12370.3	12723.4	14407.1	16869.5	16780.6	12983.0
52.5°	12674.3	12707.1	12959.6	12990.0	12744.5	12555.1	12929.2	14634.0	17159.5	17103.3	13083.6
55°	11409.2	11467.7	11970.5	12548.1	13153.7	13092.9	13258.9	14753.2	17274.0	17288.1	13263.6
57.5°	8855.7	8939.9	9674.1	10466.9	11741.3	12795.9	13301.0	14722.8	17234.3	17311.5	13448.4
60°	5808.7	5857.8	6727.7	7616.3	8937.5	10396.7	11905.0	14175.6	16881.2	16991.1	13401.6
62.5°	3507.7	3563.8	4263.0	4936.4	5715.1	6690.3	8074.6	11392.9	14149.9	14395.4	10733.4
65°	2448.3	2523.2	3135.8	3690.1	3959.0	3757.9	4089.9	6362.9	8815.9	8918.8	6559.3
67.5°	1774.9	1826.3	2329.1	2988.5	3285.5	2654.1	2022.7	2817.8	3839.7	3877.1	2705.6
70°	1162.2	1220.7	1676.7	2275.3	2682.2	2151.4	1513.0	1524.7	1615.9	1634.6	1571.4
72.5°	638.4	673.5	1035.9	1510.6	1585.5	1286.1	1180.9	1267.4	1330.6	1330.6	1346.9
75°	329.7	360.1	423.3	498.1	601.0	703.9	851.2	979.8	1047.6	1052.3	1045.3
77.5°	168.4	180.1	226.8	245.5	268.9	313.4	406.9	521.5	582.3	605.7	601.0
80°	79.5	84.2	95.9	112.2	138.0	175.4	219.8	261.9	299.3	304.0	329.7
82.5°	42.1	46.8	51.4	60.8	74.8	93.5	128.6	154.3	177.7	182.4	203.4
85°	16.4	18.7	21.0	23.4	32.7	39.8	53.8	72.5	88.9	88.9	105.2
87.5°	0.0	0.0	0.0	0.0	2.3	4.7	9.4	11.7	16.4	16.4	28.1
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°	5093.1	5093.1	5093.1	5093.1	5093.1	5093.1	5093.1	5093.1	5093.1	5093.1	5093.1
2.5°	5144.6	5076.8	5046.4	4997.2	4957.5	4913.1	4878.0	4852.3	4835.9	4826.5	4817.2
5°	5228.7	5125.9	5044.0	4945.8	4878.0	4812.5	4758.7	4721.3	4702.6	4688.6	4679.2
7.5°	5359.7	5221.7	5067.4	4915.4	4796.1	4690.9	4623.1	4583.3	4557.6	4548.3	4541.2
10°	5539.8	5348.0	5093.1	4852.3	4674.5	4560.0	4513.2	4494.5	4496.8	4492.1	4489.8
12.5°	5743.2	5481.3	5086.1	4740.0	4543.6	4475.8	4478.1	4508.5	4543.6	4552.9	4555.3
15°	5963.0	5612.3	5018.3	4595.0	4440.7	4447.7	4508.5	4581.0	4646.5	4672.2	4676.9
17.5°	6201.5	5722.2	4894.4	4436.0	4356.5	4431.3	4543.6	4662.8	4758.7	4800.8	4812.5
20°	6468.1	5815.7	4719.0	4279.3	4277.0	4400.9	4564.6	4721.3	4842.9	4899.0	4908.4
22.5°	6751.1	5874.2	4503.8	4134.4	4195.2	4361.2	4548.3	4712.0	4840.6	4896.7	4908.4
25°	7036.4	5892.9	4267.7	4001.1	4111.0	4298.1	4468.8	4599.7	4721.3	4770.4	4779.8
27.5°	7302.9	5839.1	4043.2	3886.5	4033.8	4204.5	4319.1	4389.3	4473.4	4510.8	4517.9
30°	7574.2	5731.5	3853.7	3795.3	3947.3	4075.9	4127.3	4132.0	4164.8	4164.8	4169.4
32.5°	7847.8	5572.5	3687.7	3706.4	3839.7	3923.9	3930.9	3877.1	3837.4	3771.9	3769.6
35°	8163.5	5411.1	3552.1	3605.9	3713.4	3764.9	3743.8	3640.9	3545.1	3437.5	3432.8
37.5°	8455.8	5245.1	3437.5	3503.0	3570.8	3608.2	3559.1	3435.2	3355.7	3245.8	3229.4
40°	8696.7	5095.5	3327.6	3395.4	3428.2	3460.9	3381.4	3280.8	3292.5	3231.7	3229.4
42.5°	8837.0	4950.5	3224.7	3276.2	3297.2	3320.6	3250.4	3175.6	3238.7	3192.0	3194.3
45°	8939.9	4824.2	3131.2	3149.9	3201.3	3236.4	3170.9	3086.7	3100.8	2920.7	2878.6
47.5°	9056.8	4754.0	3042.3	3023.6	3114.8	3175.6	3075.0	2953.4	2869.3	2691.5	2675.2
50°	9180.7	4728.3	2948.8	2897.3	3007.2	3065.7	2948.8	2796.8	2686.9	2591.0	2581.6
52.5°	9222.8	4726.0	2831.8	2745.3	2855.2	2937.1	2838.9	2684.5	2553.6	2460.0	2455.4
55°	9388.8	4793.8	2682.2	2537.2	2640.1	2808.5	2736.0	2513.8	2408.6	2366.5	2361.8
57.5°	9582.9	4805.5	2446.0	2310.4	2453.0	2651.8	2560.6	2368.8	2254.3	2202.8	2198.1
60°	9503.4	4517.9	2193.5	2137.3	2294.0	2504.5	2420.3	2254.3	2121.0	2071.9	2067.2
62.5°	7242.1	3189.6	2008.7	1987.7	2123.3	2291.7	2275.3	2102.3	1976.0	1940.9	1936.2
65°	4356.5	2240.2	1831.0	1828.7	1924.5	2085.9	2106.9	1966.6	1833.3	1784.2	1784.2
67.5°	2153.7	1714.1	1629.9	1618.2	1679.0	1793.6	1882.4	1767.9	1655.6	1608.8	1601.8
70°	1522.3	1510.6	1482.6	1449.8	1461.5	1508.3	1545.7	1449.8	1330.6	1283.8	1274.4
72.5°	1316.5	1318.9	1300.2	1274.4	1265.1	1232.4	1199.6	1129.5	1057.0	1007.9	1012.5
75°	1021.9	1026.6	1038.3	1028.9	1003.2	968.1	933.0	844.2	785.7	738.9	729.6
77.5°	596.3	619.7	657.1	647.7	652.4	603.3	589.3	502.8	449.0	416.2	409.2
80°	336.7	350.8	367.1	378.8	364.8	343.8	313.4	266.6	250.2	226.8	222.2
82.5°	203.4	217.5	224.5	233.8	229.2	201.1	177.7	147.3	133.3	121.6	119.3
85°	102.9	112.2	119.3	123.9	109.9	91.2	81.8	65.5	56.1	49.1	49.1
87.5°	25.7	28.1	32.7	28.1	25.7	11.7	9.4	2.3	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)