

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: P642592

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-730-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28755.5 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

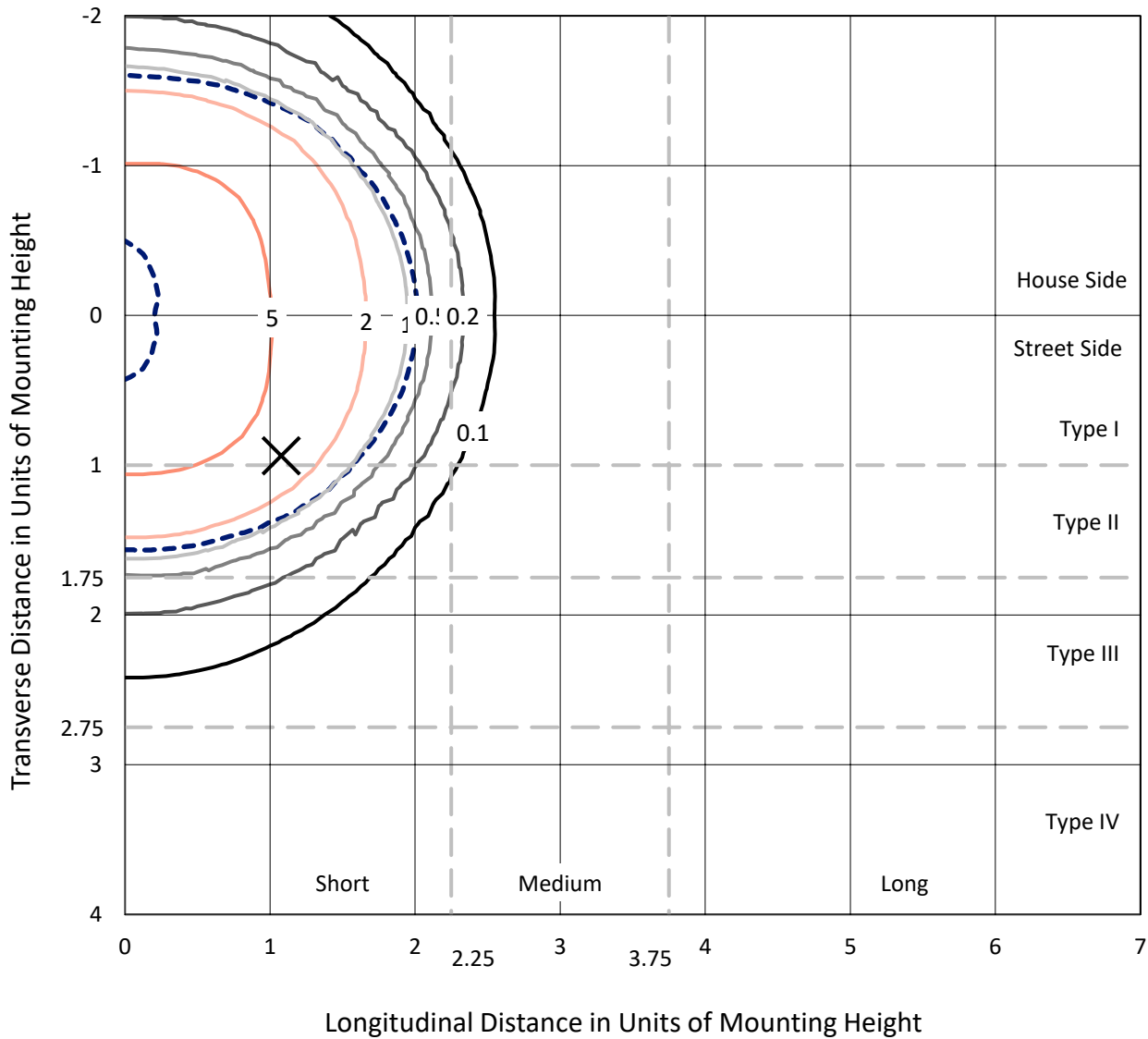


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Iso-Footcandle Lines of Horizontal Illumination

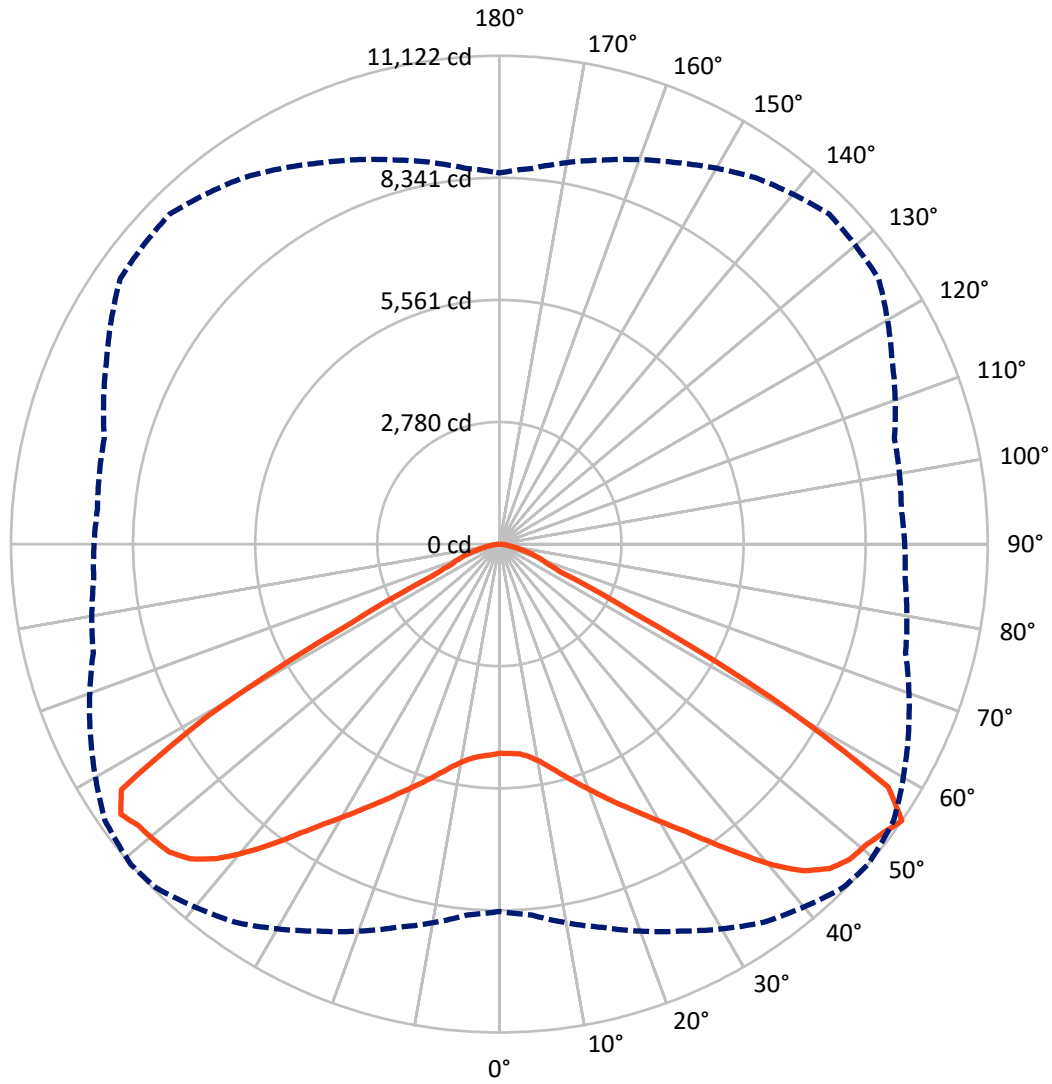
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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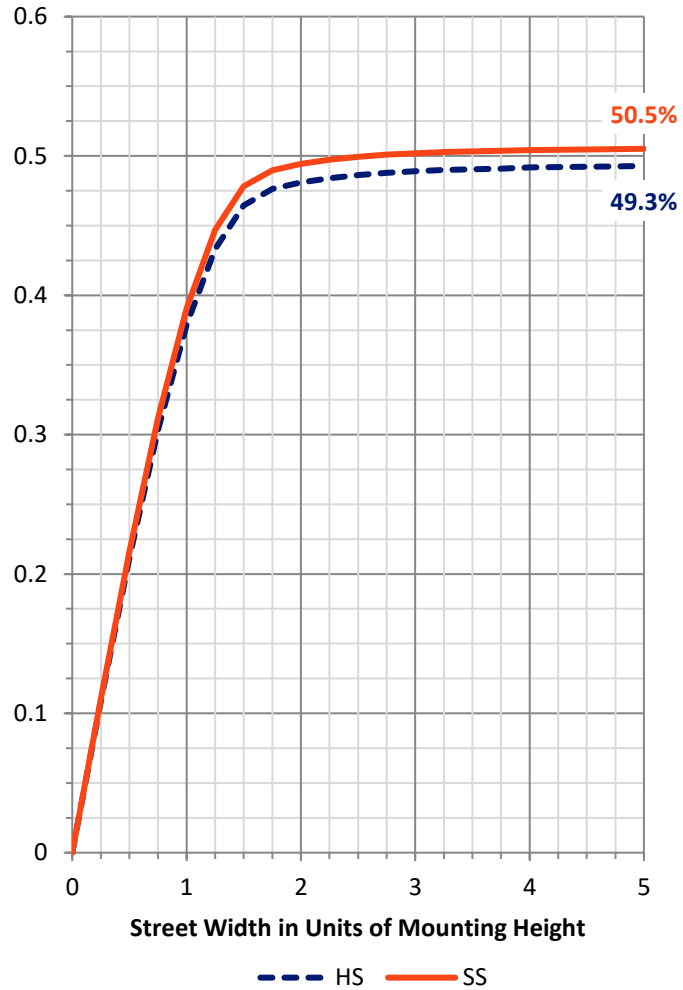
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14236.7	0.0	14236.7
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	14518.8	0.0	14518.8
	% Fixture	50.5	0.0	50.5
Total	Lumens	28755.5	0.0	28755.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	464.7	1.6
10°-20°	1532.7	5.3
20°-30°	2919.4	10.2
30°-40°	4949.0	17.2
40°-50°	7447.9	25.9
50°-60°	8152.4	28.4
60°-70°	2577.8	9.0
70°-80°	618.7	2.2
80°-90°	92.8	0.3
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°	28755.5	100.0
0°-180°	28755.5	100.0

Coefficient of Utilization



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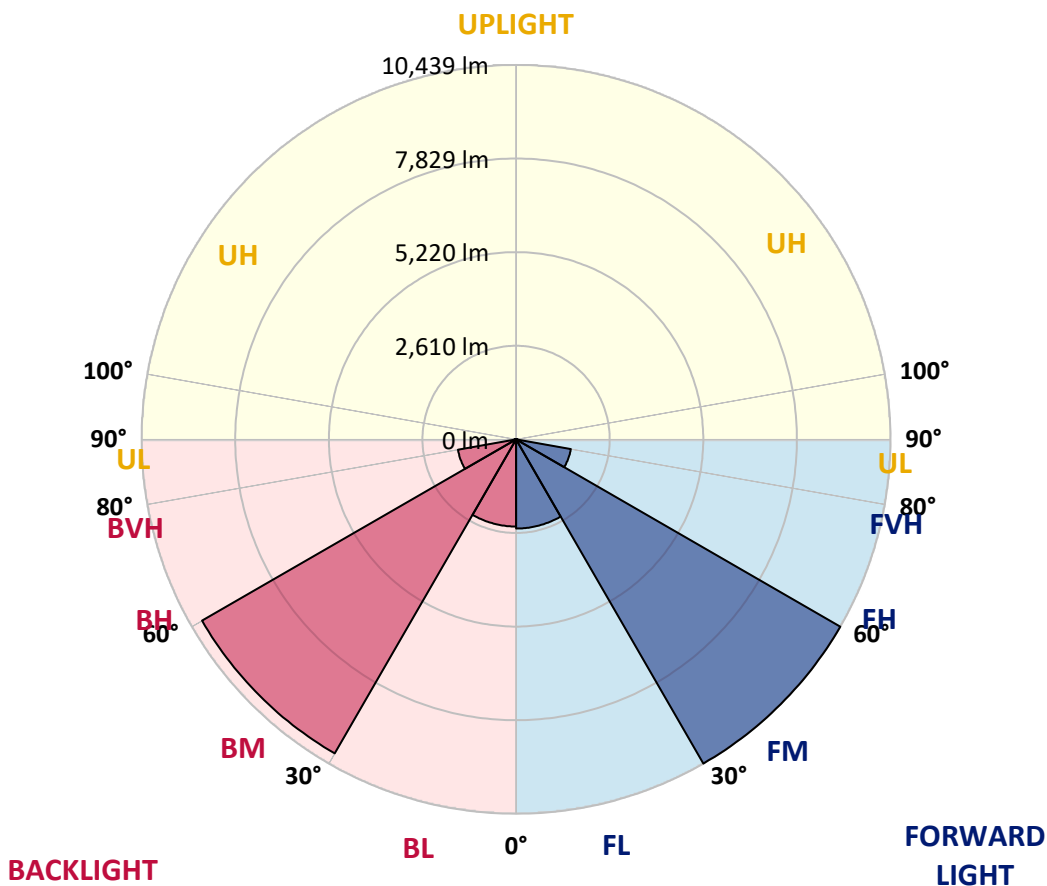
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2486.2	8.6			
FM (30°-60°)	10439.0	36.3			
FH (60°-80°)	1550.6	5.4			G1/1800
FVH (80°-90°)	43.0	0.1			G1/100
BL (0°-30°)	2430.6	8.5	B3/2500		
BM (30°-60°)	10110.3	35.2	B5		
BH (60°-80°)	1645.9	5.7	B3/2500		G1/1800
BVH (80°-90°)	49.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	4763.5	4763.5	4763.5	4763.5	4763.5	4763.5	4763.5	4763.5	4763.5	4763.5	4763.5
2.5°	4693.4	4698.0	4707.4	4723.8	4740.1	4763.5	4772.9	4784.6	4782.2	4796.3	4796.3
5°	4670.0	4677.0	4691.0	4714.4	4742.5	4786.9	4798.6	4826.7	4854.7	4889.8	4901.5
7.5°	4698.0	4707.4	4723.8	4761.2	4803.3	4861.7	4885.1	4931.9	4985.7	5048.8	5074.5
10°	4751.8	4763.5	4791.6	4852.4	4920.2	5009.1	5030.1	5088.6	5175.1	5261.6	5313.1
12.5°	4812.6	4831.3	4882.8	4978.7	5079.2	5196.1	5228.9	5301.4	5394.9	5507.2	5577.3
15°	4882.8	4899.2	4978.7	5114.3	5271.0	5425.3	5462.7	5532.9	5638.1	5748.0	5846.2
17.5°	5030.1	5058.2	5151.7	5308.4	5490.8	5673.2	5715.3	5794.8	5879.0	5965.5	6059.1
20°	5231.2	5254.6	5373.9	5568.0	5783.1	5949.1	5991.2	6061.4	6101.1	6145.6	6225.1
22.5°	5432.3	5465.1	5600.7	5829.9	6082.4	6262.5	6295.2	6360.7	6332.7	6318.6	6370.1
25°	5682.6	5727.0	5860.3	6110.5	6367.7	6589.9	6615.6	6671.7	6625.0	6552.5	6550.1
27.5°	5993.6	6033.3	6171.3	6428.5	6683.4	6914.9	6964.1	7038.9	6936.0	6847.1	6784.0
30°	6363.1	6388.8	6540.8	6814.4	7076.3	7296.1	7359.3	7434.1	7356.9	7209.6	7146.5
32.5°	6793.3	6828.4	7003.8	7291.4	7525.3	7745.1	7808.2	7901.8	7817.6	7651.6	7572.1
35°	7310.1	7345.2	7530.0	7843.3	8081.9	8308.7	8353.1	8430.3	8325.1	8133.3	8070.2
37.5°	7871.4	7915.8	8149.7	8446.7	8696.9	8961.1	8963.5	8986.9	8837.2	8598.7	8528.5
40°	8502.8	8561.2	8795.1	9103.8	9405.4	9620.6	9618.2	9552.8	9300.2	8930.7	8823.2
42.5°	9127.2	9173.9	9410.1	9728.2	10029.8	10233.3	10172.5	10013.5	9648.6	9145.9	9003.2
45°	9578.5	9613.6	9861.5	10219.2	10525.6	10651.9	10542.0	10350.2	9856.8	9281.5	9071.0
47.5°	9791.3	9838.1	10088.3	10443.7	10789.8	10862.3	10731.4	10551.3	9978.4	9407.8	9124.8
50°	9676.7	9737.5	10020.5	10350.2	10740.7	10890.4	10796.9	10616.8	10107.0	9531.7	9220.7
52.5°	9379.7	9438.2	9796.0	10195.9	10637.8	10934.8	10932.5	10785.2	10254.3	9566.8	9225.4
55°	8364.8	8479.4	9036.0	9725.8	10511.6	11065.8	11121.9	10965.2	10277.7	9576.2	9274.5
57.5°	5444.0	5645.1	6173.6	7071.6	8647.8	10064.9	10443.7	10481.2	10109.3	9536.4	9283.8
60°	2273.0	2434.4	2853.0	3449.3	4751.8	6437.9	7172.2	7908.8	8797.4	9120.1	9197.3
62.5°	1412.5	1426.5	1468.6	1604.2	2039.2	2862.3	3334.7	4024.6	5345.8	6470.6	6989.8
65°	1274.5	1281.5	1290.9	1281.5	1302.5	1403.1	1529.4	1770.2	2308.1	2867.0	3531.1
67.5°	1122.5	1131.8	1138.8	1131.8	1138.8	1143.5	1157.6	1178.6	1276.8	1356.3	1417.1
70°	907.3	921.4	933.1	928.4	956.4	956.4	970.5	986.8	1036.0	1094.4	1136.5
72.5°	692.2	680.5	694.5	699.2	724.9	739.0	760.0	778.7	834.8	869.9	923.7
75°	449.0	437.3	458.3	470.0	505.1	523.8	542.5	561.2	601.0	624.4	675.8
77.5°	243.2	240.9	261.9	278.3	315.7	339.1	353.1	367.1	399.9	406.9	439.6
80°	140.3	140.3	154.3	166.0	189.4	215.1	229.2	240.9	264.3	271.3	285.3
82.5°	77.2	77.2	84.2	91.2	109.9	123.9	135.6	145.0	166.0	173.0	180.1
85°	37.4	35.1	39.8	44.4	51.4	58.5	65.5	70.2	86.5	91.2	100.6
87.5°	4.7	4.7	4.7	7.0	9.4	14.0	16.4	16.4	25.7	30.4	35.1
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°	4763.5	4763.5	4763.5	4763.5	4763.5	4763.5	4763.5	4763.5	4763.5	4763.5	4763.5
2.5°	4810.3	4779.9	4798.6	4805.6	4805.6	4798.6	4768.2	4758.8	4744.8	4723.8	4723.8
5°	4917.9	4894.5	4899.2	4887.5	4859.4	4824.3	4768.2	4740.1	4716.8	4691.0	4688.7
7.5°	5102.6	5072.2	5067.5	5023.1	4948.3	4873.4	4789.2	4737.8	4702.7	4670.0	4667.6
10°	5343.5	5315.4	5280.3	5191.5	5081.6	4971.6	4857.1	4786.9	4735.5	4688.7	4686.4
12.5°	5612.4	5579.7	5514.2	5383.2	5245.3	5137.7	5006.7	4899.2	4822.0	4758.8	4747.2
15°	5904.7	5857.9	5745.7	5591.4	5455.7	5341.1	5200.8	5046.5	4929.6	4829.0	4817.3
17.5°	6129.2	6068.4	5946.8	5801.8	5689.6	5575.0	5392.6	5198.5	5030.1	4903.8	4885.1
20°	6283.5	6234.4	6096.5	5988.9	5923.4	5822.9	5610.1	5390.2	5200.8	5041.8	5032.5
22.5°	6426.2	6367.7	6232.1	6169.0	6169.0	6101.1	5897.7	5638.1	5416.0	5231.2	5207.8
25°	6587.6	6524.4	6421.5	6414.5	6447.2	6416.8	6171.3	5893.0	5633.4	5425.3	5387.9
27.5°	6812.0	6741.9	6681.1	6723.2	6770.0	6737.2	6463.6	6140.9	5867.3	5656.8	5624.1
30°	7169.8	7083.3	7027.2	7078.6	7169.8	7074.0	6777.0	6435.5	6159.6	5928.1	5911.7
32.5°	7586.1	7487.9	7429.4	7511.3	7593.1	7443.4	7148.8	6821.4	6531.4	6288.2	6260.2
35°	8086.5	7962.6	7876.1	7986.0	8070.2	7922.8	7630.5	7319.5	6996.8	6744.2	6706.8
37.5°	8530.8	8381.2	8322.7	8477.1	8589.3	8493.4	8175.4	7883.1	7530.0	7254.0	7237.7
40°	8853.6	8706.2	8664.1	8919.0	9115.5	9092.1	8806.8	8472.4	8140.3	7822.3	7791.9
42.5°	8993.9	8891.0	8900.3	9244.1	9548.1	9697.8	9442.9	9085.1	8764.7	8435.0	8413.9
45°	9024.3	8961.1	9036.0	9466.2	9866.1	10172.5	9955.0	9655.7	9293.2	8975.2	8965.8
47.5°	9057.0	9021.9	9136.5	9592.5	10067.2	10422.7	10301.1	9992.4	9625.3	9314.2	9290.9
50°	9134.2	9120.1	9248.8	9681.4	10163.1	10490.5	10352.5	10046.2	9669.7	9363.4	9307.2
52.5°	9157.6	9134.2	9318.9	9819.4	10322.1	10488.2	10191.2	9791.3	9412.5	9071.0	9012.6
55°	9230.1	9188.0	9314.2	9870.8	10542.0	10623.8	10181.8	9583.2	9054.7	8589.3	8451.3
57.5°	9248.8	9202.0	9283.8	9786.6	10303.4	10230.9	8949.4	7733.4	6737.2	6220.4	6278.9
60°	9148.2	9162.2	9021.9	8965.8	8264.3	7296.1	5479.1	4380.0	3439.9	3042.4	3128.9
62.5°	6964.1	7022.5	6543.1	5689.6	4375.3	3468.0	2294.1	1781.9	1508.3	1438.2	1449.9
65°	3514.8	3594.3	3096.2	2560.7	1903.5	1538.7	1330.6	1288.5	1274.5	1258.1	1258.1
67.5°	1391.4	1414.8	1396.1	1307.2	1216.0	1183.3	1173.9	1169.2	1152.9	1143.5	1145.9
70°	1117.8	1136.5	1108.4	1052.3	1014.9	1012.6	1007.9	998.5	986.8	986.8	993.9
72.5°	912.0	930.7	891.0	855.9	827.8	806.8	795.1	788.1	771.7	771.7	778.7
75°	671.1	682.8	650.1	645.4	615.0	594.0	575.3	565.9	544.9	535.5	542.5
77.5°	446.7	444.3	427.9	427.9	416.3	390.5	369.5	348.4	320.4	301.7	306.3
80°	290.0	290.0	283.0	283.0	271.3	250.2	224.5	203.4	187.1	173.0	173.0
82.5°	184.7	182.4	180.1	177.7	173.0	152.0	133.3	119.3	107.6	98.2	100.6
85°	102.9	102.9	98.2	98.2	88.9	77.2	67.8	58.5	51.4	49.1	49.1
87.5°	35.1	35.1	32.7	32.7	28.1	21.0	16.4	14.0	11.7	9.4	11.7
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)