

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: P637264

Luminaire Tested: GWS-SA4C-740-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637264
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-740-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16256.3 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

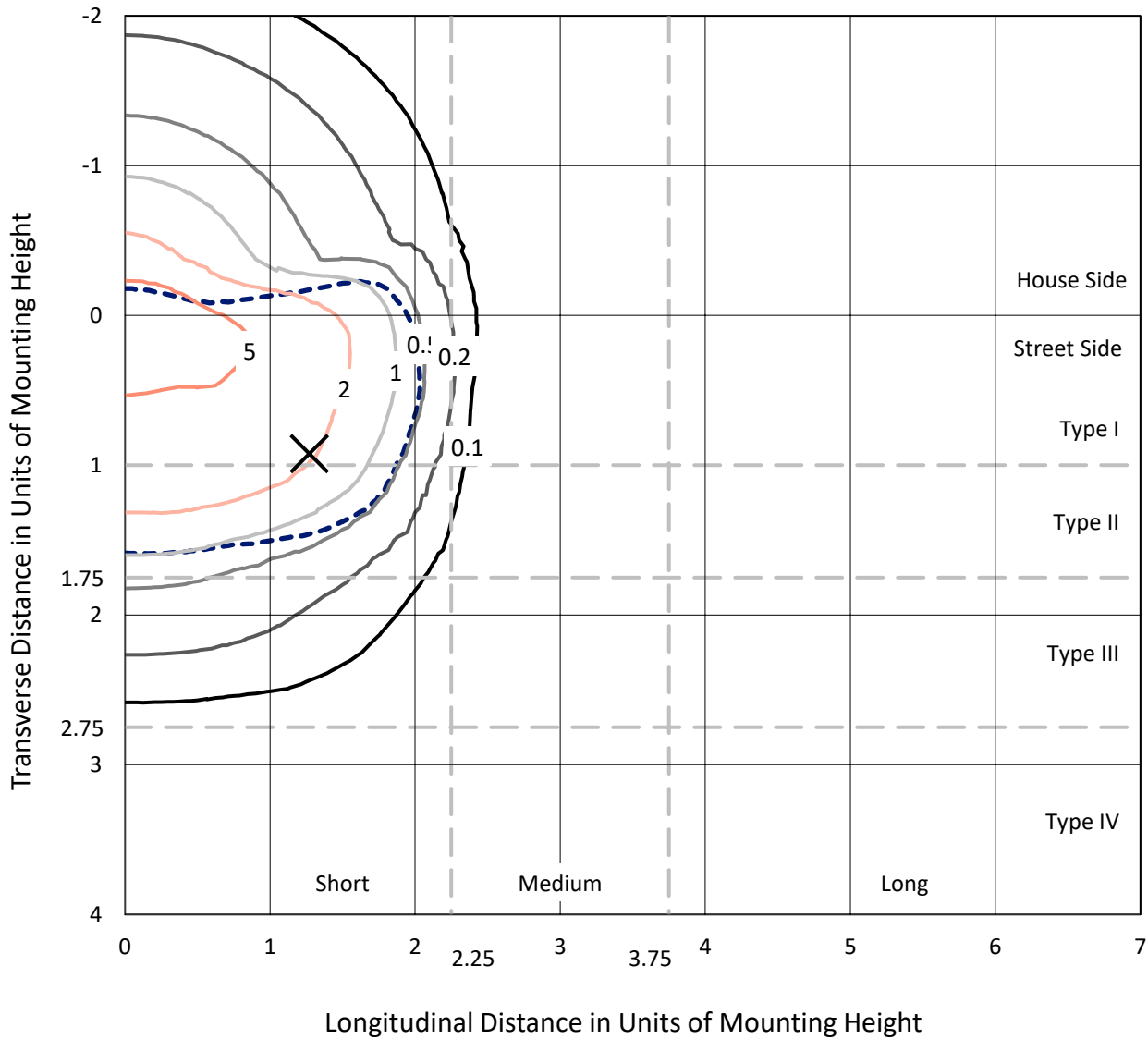
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

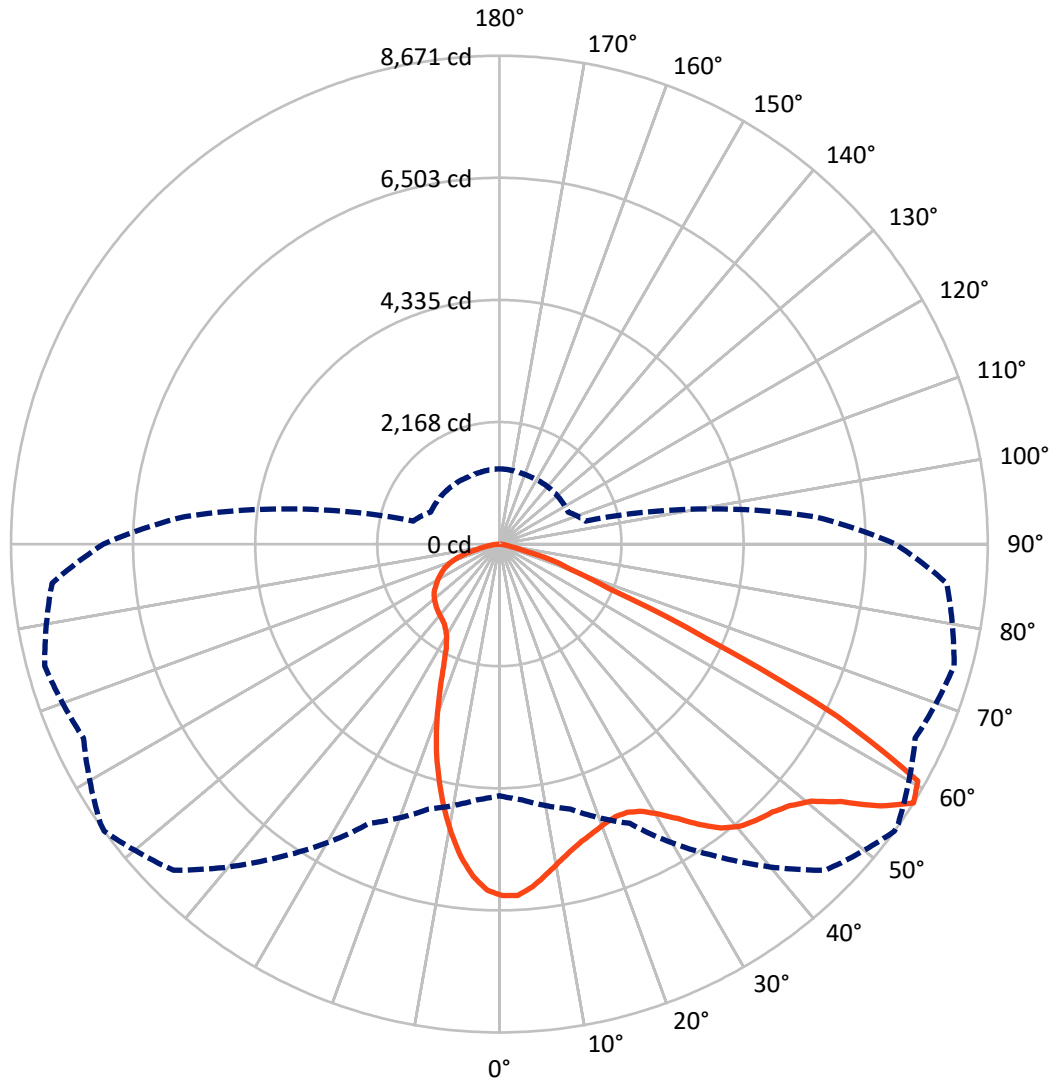
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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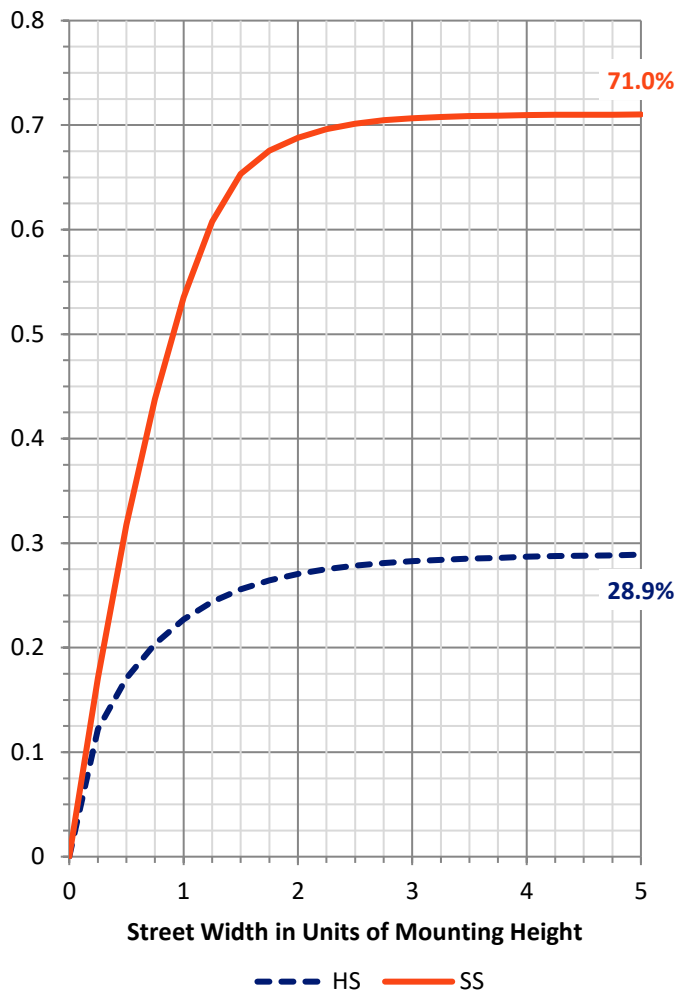
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4725.9	0.0	4725.9
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	11530.4	0.0	11530.4
	% Fixture	70.9	0.0	70.9
Total	Lumens	16256.3	0.0	16256.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	548.6	3.4
10°-20°	1309.0	8.1
20°-30°	1811.5	11.1
30°-40°	2517.0	15.5
40°-50°	3324.3	20.4
50°-60°	3950.4	24.3
60°-70°	2188.6	13.5
70°-80°	545.0	3.4
80°-90°	62.0	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°	16256.3	100.0
0°-180°	16256.3	100.0

Coefficient of Utilization



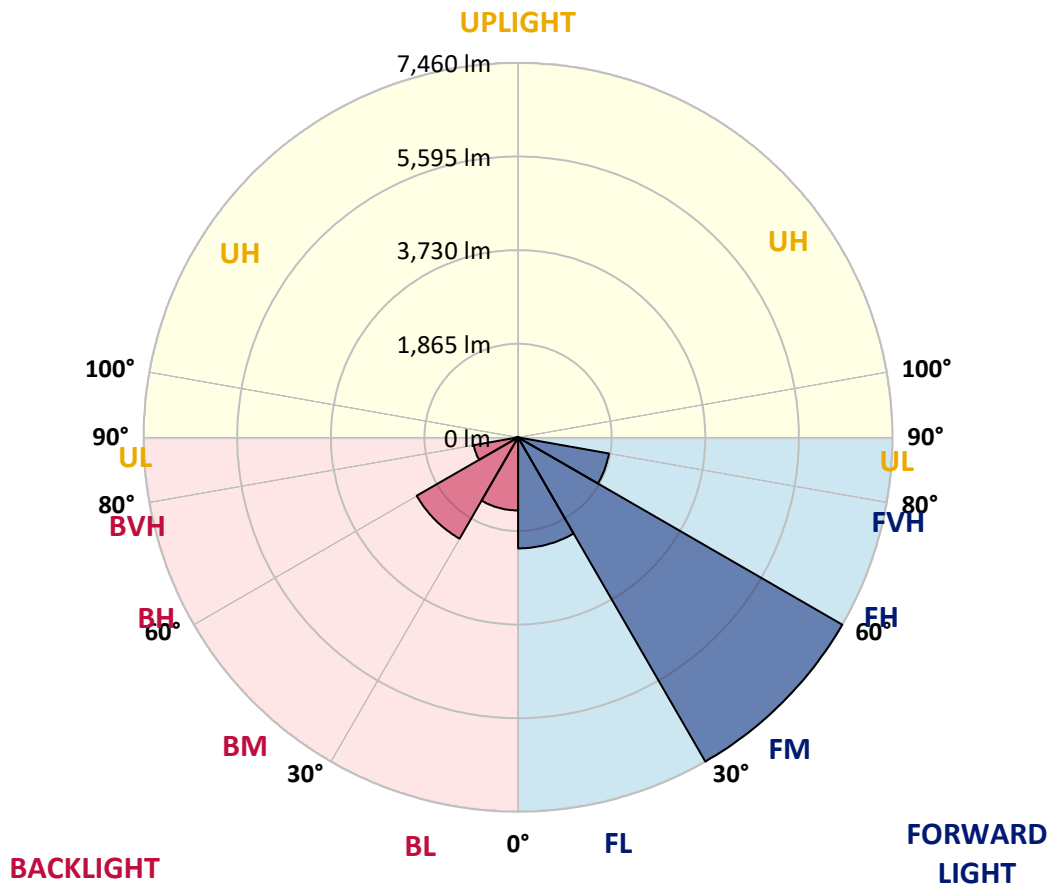
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2212.7	13.6			
FM (30°-60°)	7460.3	45.9			
FH (60°-80°)	1838.0	11.3			G2/5000
FVH (80°-90°)	19.4	0.1			G1/100
BL (0°-30°)	1456.3	9.0	B3/2500		
BM (30°-60°)	2331.4	14.3	B2/2500		
BH (60°-80°)	895.6	5.5	B2/1000		G2/1000
BVH (80°-90°)	42.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	6241.2	6241.2	6241.2	6241.2	6241.2	6241.2	6241.2	6241.2	6241.2	6241.2	6241.2
2.5°	6124.3	6136.8	6145.1	6174.4	6199.4	6221.7	6245.3	6245.3	6243.9	6239.8	6231.4
5°	5882.1	5896.1	5915.5	5955.9	6010.2	6049.1	6113.1	6118.7	6146.5	6157.7	6152.1
7.5°	5601.0	5605.2	5630.3	5683.1	5769.4	5839.0	5930.8	5942.0	6008.8	6047.7	6040.8
10°	5293.5	5279.6	5324.1	5402.0	5514.8	5631.7	5749.9	5759.7	5866.8	5940.6	5935.0
12.5°	5012.4	5013.8	5058.3	5153.0	5293.5	5438.2	5596.9	5619.1	5751.3	5846.0	5836.2
15°	4777.2	4782.8	4837.1	4944.2	5104.3	5276.8	5474.4	5495.3	5662.3	5787.5	5759.7
17.5°	4589.4	4594.9	4642.3	4764.7	4935.9	5144.6	5385.4	5406.2	5613.6	5762.5	5705.4
20°	4460.0	4457.2	4503.1	4620.0	4796.7	5023.5	5307.4	5338.0	5598.3	5772.2	5669.2
22.5°	4407.1	4405.7	4439.1	4535.1	4700.7	4930.3	5260.1	5301.9	5615.0	5815.3	5647.0
25°	4433.5	4428.0	4457.2	4528.1	4660.3	4894.1	5274.0	5318.6	5685.9	5904.4	5651.1
27.5°	4515.6	4508.7	4533.7	4597.7	4697.9	4931.7	5371.4	5422.9	5836.2	6067.2	5706.8
30°	4640.9	4636.7	4661.7	4723.0	4810.6	5056.9	5557.9	5616.4	6068.6	6320.5	5827.9
32.5°	4787.0	4780.0	4824.6	4895.5	4997.1	5285.2	5808.4	5884.9	6344.1	6646.1	6031.0
35°	4951.2	4945.6	5006.8	5109.8	5255.9	5602.4	6111.7	6195.2	6625.2	7014.9	6301.0
37.5°	5111.2	5111.2	5229.5	5382.6	5566.3	5947.5	6397.0	6449.9	6820.1	7341.9	6590.4
40°	5253.2	5261.5	5439.6	5669.2	5903.0	6259.3	6584.9	6629.4	6906.3	7567.3	6842.3
42.5°	5410.4	5417.4	5624.7	5925.3	6203.6	6511.1	6699.0	6721.3	6923.0	7680.0	7020.4
45°	5535.6	5545.4	5802.8	6124.3	6465.2	6700.4	6789.4	6808.9	6946.7	7741.3	7149.9
47.5°	5601.0	5615.0	5910.0	6284.3	6641.9	6870.1	6938.3	6946.7	7044.1	7848.4	7305.7
50°	5589.9	5617.7	5950.3	6363.6	6772.7	7041.3	7177.7	7191.6	7243.1	8005.7	7488.0
52.5°	5688.7	5701.2	6036.6	6458.2	6959.2	7357.2	7593.8	7613.2	7589.6	8123.9	7596.5
55°	5524.5	5584.3	5929.5	6444.3	7243.1	7845.6	8210.2	8200.5	7904.1	8256.1	7777.4
57.5°	4468.3	4556.0	4871.9	5470.2	6775.5	8188.0	8670.8	8647.2	8147.6	8357.7	7973.7
60°	3093.4	3107.4	3392.6	3817.1	5229.5	7233.3	8535.9	8587.3	8192.1	8229.7	7610.5
62.5°	2474.2	2470.0	2496.5	2507.6	3325.8	5084.8	6738.0	6925.8	6806.1	6412.3	5393.7
65°	2112.4	2127.7	2205.6	2165.3	2170.8	2863.8	4025.8	4052.2	3968.7	3826.8	2852.7
67.5°	1653.2	1679.6	1817.4	1974.6	1924.5	1843.8	2088.7	2076.2	1636.5	1266.3	1046.5
70°	1035.3	1052.0	1199.5	1550.2	1675.4	1514.0	1342.9	1337.3	876.7	720.8	790.4
72.5°	603.9	606.7	648.5	864.2	1111.9	1035.3	988.0	951.8	563.6	574.7	630.4
75°	332.6	332.6	331.2	372.9	438.3	388.2	375.7	366.0	377.1	427.2	469.0
77.5°	69.6	71.0	75.1	98.8	128.0	155.9	196.2	197.6	246.3	285.3	318.7
80°	32.0	33.4	41.7	52.9	68.2	90.5	119.7	121.1	148.9	179.5	201.8
82.5°	16.7	18.1	22.3	27.8	36.2	47.3	66.8	66.8	89.1	105.8	119.7
85°	5.6	5.6	8.3	11.1	15.3	19.5	26.4	26.4	39.0	51.5	59.8
87.5°	0.0	0.0	0.0	0.0	1.4	2.8	5.6	5.6	7.0	8.3	13.9
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°	6241.2	6241.2	6241.2	6241.2	6241.2	6241.2	6241.2	6241.2	6241.2	6241.2	6241.2
2.5°	6213.3	6170.2	6171.6	6179.9	6153.5	6113.1	6086.7	6053.3	6032.4	6028.3	6043.6
5°	6124.3	6074.2	6039.4	6003.2	5928.1	5839.0	5769.4	5712.4	5674.8	5660.9	5644.2
7.5°	6001.8	5936.4	5848.7	5747.2	5610.8	5452.1	5340.8	5236.5	5164.1	5143.2	5133.5
10°	5879.4	5784.7	5628.9	5439.6	5212.8	4998.5	4796.7	4642.3	4519.8	4450.2	4472.5
12.5°	5752.7	5635.8	5392.3	5101.5	4785.6	4462.7	4198.3	3942.3	3744.7	3645.9	3616.7
15°	5641.4	5482.8	5143.2	4749.4	4329.2	3922.8	3540.1	3156.1	2905.6	2769.2	2731.6
17.5°	5546.8	5340.8	4880.2	4390.4	3888.0	3309.1	2838.8	2482.5	2311.4	2236.2	2230.7
20°	5453.5	5201.7	4620.0	4003.5	3378.7	2730.2	2310.0	2143.0	2081.8	2055.3	2053.9
22.5°	5370.0	5055.6	4345.9	3616.7	2872.2	2294.7	2063.7	1991.3	1974.6	1974.6	1971.8
25°	5299.1	4909.4	4064.8	3206.2	2414.4	2042.8	1935.7	1905.1	1912.0	1924.5	1925.9
27.5°	5269.9	4795.3	3793.4	2784.5	2098.5	1896.7	1848.0	1843.8	1863.3	1882.8	1885.6
30°	5300.5	4717.4	3515.1	2381.0	1909.2	1807.6	1785.4	1793.7	1817.4	1836.9	1836.9
32.5°	5395.1	4678.4	3231.2	2086.0	1799.3	1745.0	1738.1	1746.4	1764.5	1775.6	1777.0
35°	5555.1	4693.7	2937.6	1887.0	1728.3	1699.1	1697.7	1703.3	1710.2	1717.2	1718.6
37.5°	5756.9	4761.9	2623.1	1771.5	1682.4	1665.7	1662.9	1661.5	1662.9	1662.9	1664.3
40°	5954.5	4864.9	2342.0	1703.3	1650.4	1636.5	1629.5	1619.8	1618.4	1615.6	1614.2
42.5°	6100.6	4944.2	2118.0	1654.6	1621.2	1604.5	1596.1	1580.8	1579.4	1578.0	1576.6
45°	6210.5	5011.0	1931.5	1607.3	1590.6	1575.2	1557.2	1543.2	1546.0	1548.8	1548.8
47.5°	6334.4	5069.5	1795.1	1562.7	1553.0	1537.7	1515.4	1505.7	1515.4	1525.2	1525.2
50°	6484.7	5151.6	1683.8	1518.2	1514.0	1495.9	1476.4	1472.3	1483.4	1497.3	1497.3
52.5°	6594.6	5222.5	1604.5	1473.7	1473.7	1450.0	1433.3	1431.9	1444.4	1458.4	1459.8
55°	6800.6	5388.1	1576.6	1422.2	1416.6	1398.5	1386.0	1376.3	1391.6	1404.1	1404.1
57.5°	7033.0	5608.0	1583.6	1348.4	1341.5	1335.9	1326.2	1315.0	1319.2	1333.1	1334.5
60°	6540.3	5182.2	1507.1	1274.7	1270.5	1267.7	1255.2	1235.7	1241.3	1252.4	1253.8
62.5°	4568.5	3444.1	1219.0	1182.8	1196.7	1195.4	1178.7	1156.4	1157.8	1173.1	1173.1
65°	2371.2	1863.3	1070.1	1099.3	1120.2	1111.9	1084.0	1064.5	1061.8	1081.2	1077.1
67.5°	1022.8	1017.2	974.1	1011.7	1033.9	1015.8	986.6	954.6	957.4	964.4	958.8
70°	823.8	848.9	866.9	907.3	925.4	892.0	860.0	841.9	826.6	825.2	815.5
72.5°	658.2	693.0	733.4	775.1	780.7	747.3	706.9	690.2	666.6	665.2	655.4
75°	495.4	524.6	556.6	590.0	590.0	558.0	531.6	523.2	495.4	487.0	478.7
77.5°	338.1	356.2	381.3	389.6	398.0	385.5	359.0	345.1	313.1	304.8	293.6
80°	212.9	225.4	240.7	246.3	254.7	239.3	218.5	203.2	180.9	173.9	168.4
82.5°	128.0	136.4	146.1	148.9	155.9	144.7	125.2	114.1	101.6	96.0	91.8
85°	65.4	69.6	75.1	76.5	75.1	64.0	57.1	51.5	43.1	41.7	39.0
87.5°	16.7	19.5	20.9	19.5	18.1	13.9	9.7	7.0	2.8	2.8	1.4
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)