

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: P636054

Luminaire Tested: GWS-SA3F-722-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636054
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-SA3F-722-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15082.6 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

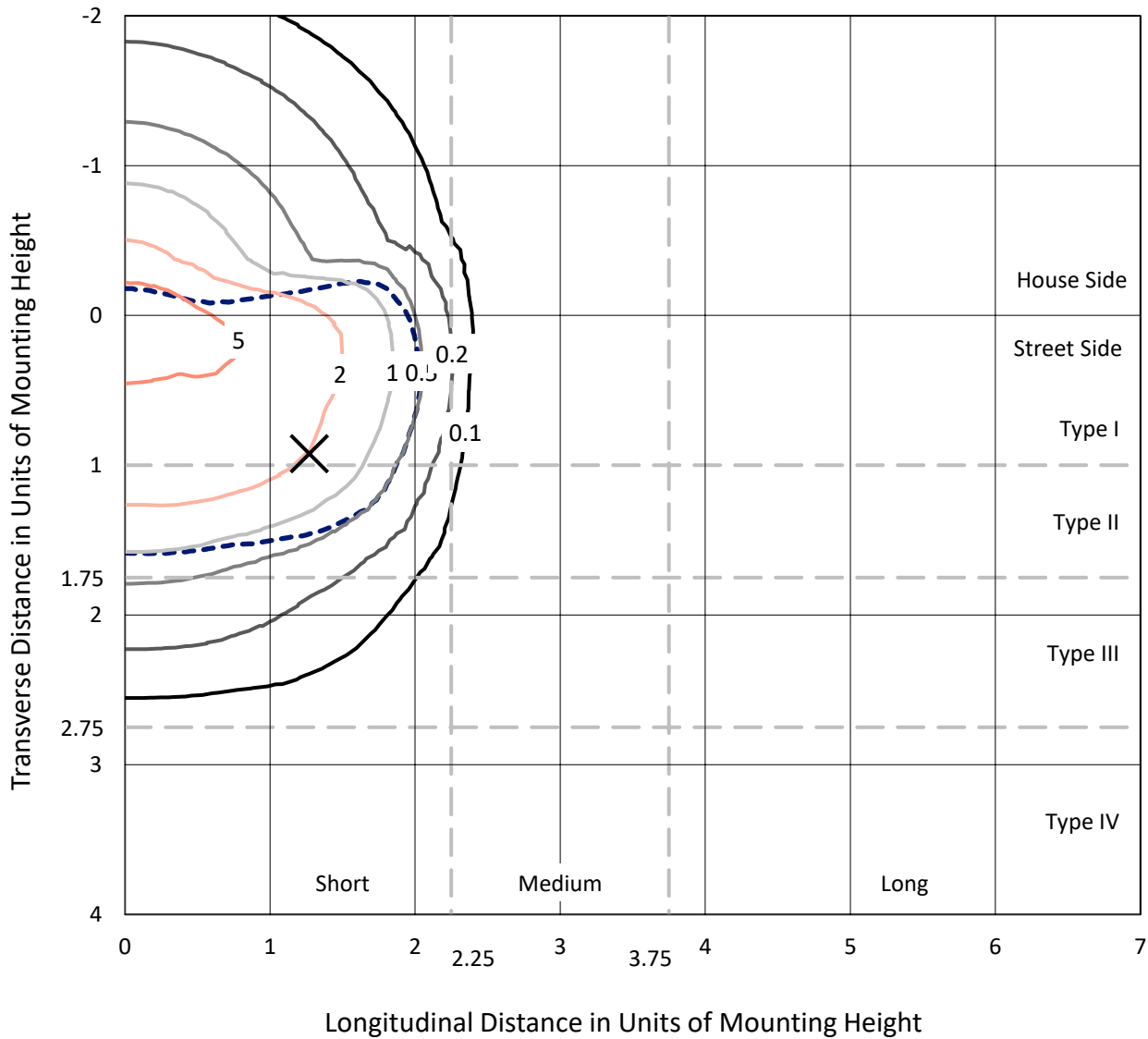
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

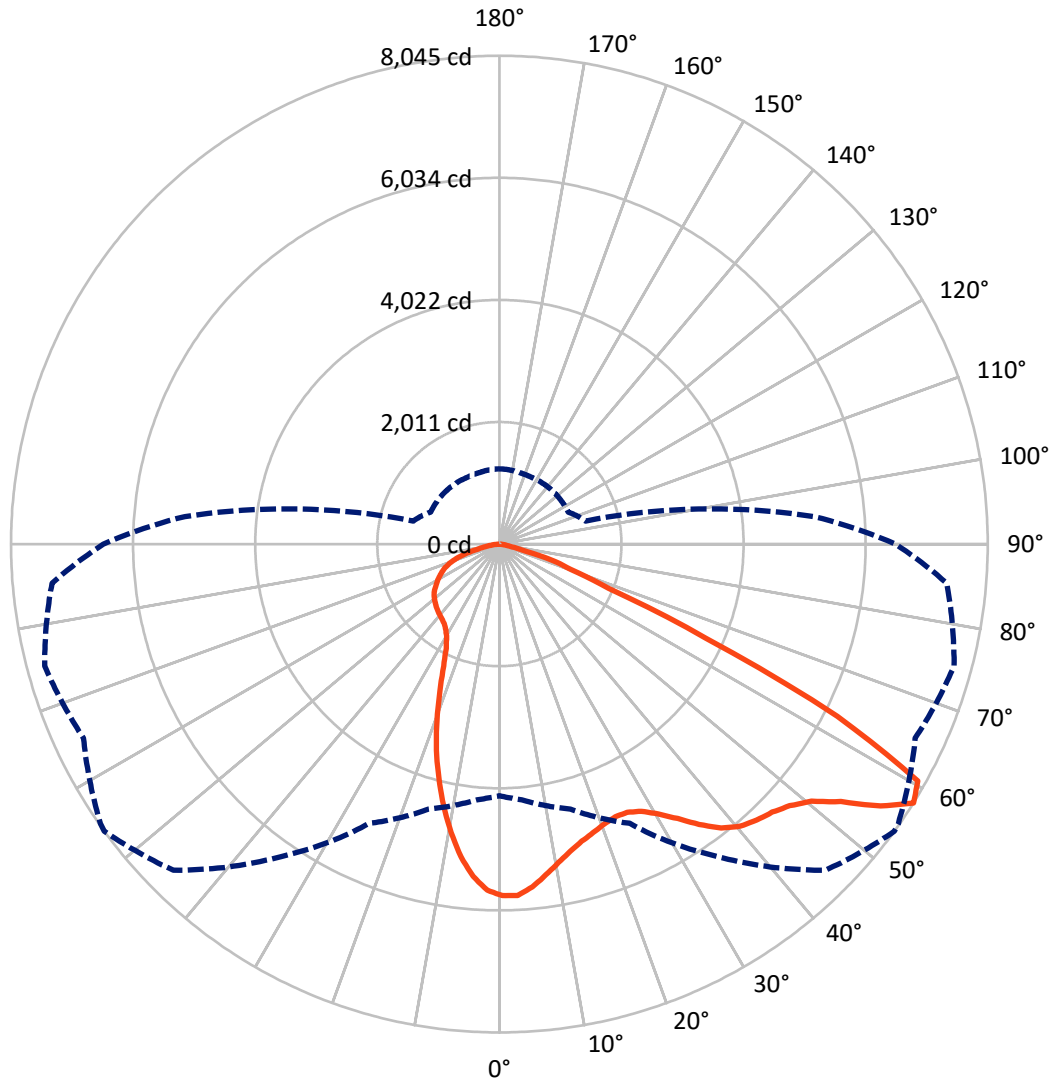
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 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	4384.7	0.0	4384.7
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	10697.9	0.0	10697.9
	% Fixture	70.9	0.0	70.9
Total	Lumens	15082.6	0.0	15082.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	509.0	3.4
10°-20°	1214.5	8.1
20°-30°	1680.7	11.1
30°-40°	2335.3	15.5
40°-50°	3084.2	20.4
50°-60°	3665.2	24.3
60°-70°	2030.6	13.5
70°-80°	505.7	3.4
80°-90°	57.5	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°	15082.6	100.0
0°-180°	15082.6	100.0

Coefficient of Utilization



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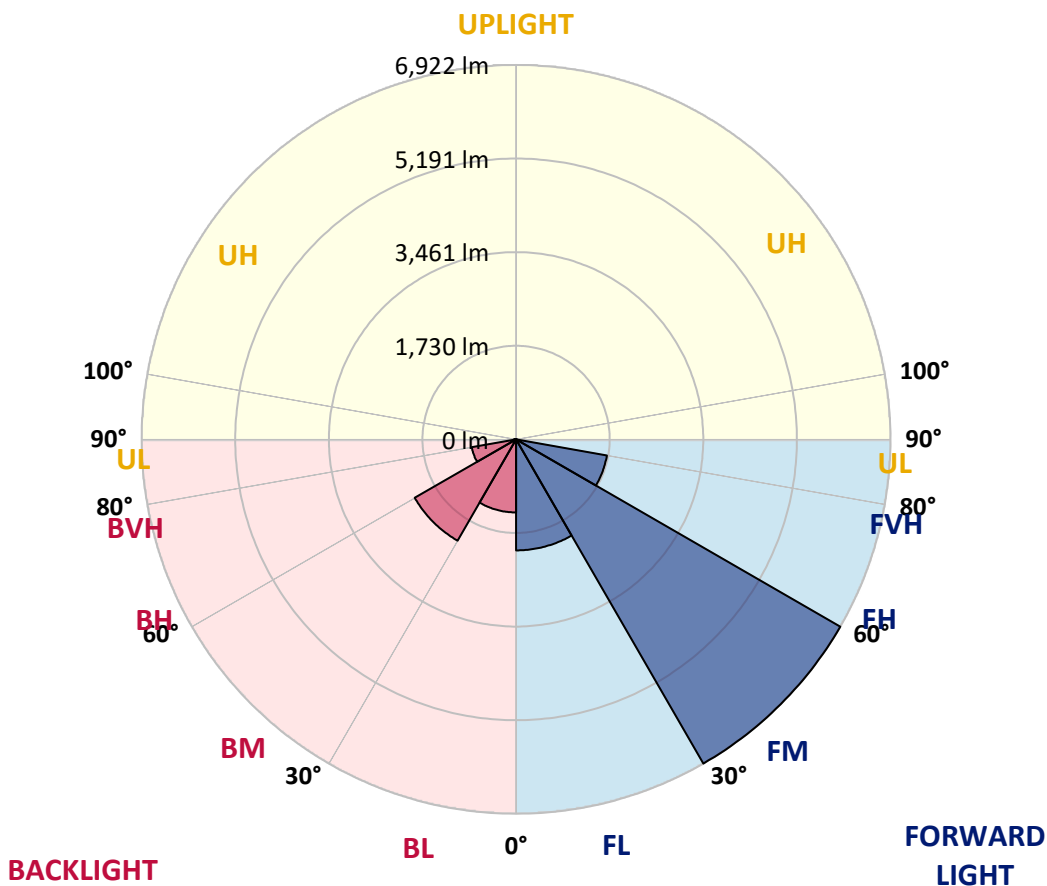
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2053.0	13.6			
FM (30°-60°)	6921.7	45.9			
FH (60°-80°)	1705.3	11.3			G1/1800
FVH (80°-90°)	18.0	0.1			G1/100
BL (0°-30°)	1351.2	9.0	B3/2500		
BM (30°-60°)	2163.1	14.3	B2/2500		
BH (60°-80°)	830.9	5.5	B2/1000		G2/1000
BVH (80°-90°)	39.5	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°	5790.6	5790.6	5790.6	5790.6	5790.6	5790.6	5790.6	5790.6	5790.6	5790.6	5790.6
2.5°	5682.1	5693.7	5701.5	5728.6	5751.8	5772.5	5794.4	5794.4	5793.1	5789.3	5781.5
5°	5457.5	5470.4	5488.4	5525.9	5576.2	5612.4	5671.8	5676.9	5702.8	5713.1	5707.9
7.5°	5196.6	5200.5	5223.8	5272.8	5352.9	5417.4	5502.6	5513.0	5574.9	5611.1	5604.6
10°	4911.3	4898.4	4939.7	5012.0	5116.6	5225.1	5334.8	5343.8	5443.2	5511.7	5506.5
12.5°	4650.5	4651.8	4693.1	4780.9	4911.3	5045.6	5192.8	5213.4	5336.1	5423.9	5414.8
15°	4432.3	4437.5	4487.8	4587.3	4735.7	4895.8	5079.2	5098.5	5253.5	5369.7	5343.8
17.5°	4258.0	4263.2	4307.1	4420.7	4579.5	4773.2	4996.5	5015.9	5208.3	5346.4	5293.5
20°	4138.0	4135.4	4178.0	4286.4	4450.4	4660.8	4924.2	4952.6	5194.1	5355.5	5259.9
22.5°	4088.9	4087.6	4118.6	4207.7	4361.3	4574.3	4880.3	4919.1	5209.6	5395.5	5239.3
25°	4113.4	4108.3	4135.4	4201.2	4323.9	4540.8	4893.2	4934.6	5275.4	5478.1	5243.1
27.5°	4189.6	4183.1	4206.4	4265.8	4358.7	4575.6	4983.6	5031.4	5414.8	5629.2	5294.8
30°	4305.8	4301.9	4325.2	4382.0	4463.3	4691.8	5156.6	5210.9	5630.5	5864.1	5407.1
32.5°	4441.4	4434.9	4476.2	4542.1	4636.3	4903.6	5389.0	5460.0	5886.1	6166.3	5595.6
35°	4593.7	4588.5	4645.4	4740.9	4876.5	5197.9	5670.5	5747.9	6146.9	6508.4	5846.1
37.5°	4742.2	4742.2	4851.9	4993.9	5164.4	5518.1	5935.2	5984.2	6327.6	6811.8	6114.6
40°	4873.9	4881.6	5046.9	5259.9	5476.8	5807.3	6109.5	6150.8	6407.7	7021.0	6348.3
42.5°	5019.8	5026.2	5218.6	5497.5	5755.7	6041.0	6215.3	6236.0	6423.2	7125.5	6513.6
45°	5136.0	5145.0	5383.9	5682.1	5998.4	6216.6	6299.2	6317.3	6445.1	7182.4	6633.6
47.5°	5196.6	5209.6	5483.3	5830.6	6162.4	6374.1	6437.4	6445.1	6535.5	7281.8	6778.2
50°	5186.3	5212.1	5520.7	5904.2	6283.8	6532.9	6659.5	6672.4	6720.1	7427.7	6947.4
52.5°	5278.0	5289.6	5600.8	5992.0	6456.8	6826.0	7045.5	7063.6	7041.6	7537.4	7048.1
55°	5125.6	5181.2	5501.3	5979.1	6720.1	7279.2	7617.4	7608.4	7333.4	7660.1	7215.9
57.5°	4145.7	4227.0	4520.1	5075.3	6286.3	7596.8	8044.8	8022.9	7559.4	7754.3	7398.0
60°	2870.1	2883.0	3147.7	3541.5	4851.9	6711.1	7919.6	7967.3	7600.7	7635.5	7061.0
62.5°	2295.6	2291.7	2316.2	2326.5	3085.7	4717.7	6251.5	6425.8	6314.7	5949.4	5004.3
65°	1959.9	1974.1	2046.4	2008.9	2014.1	2657.1	3735.1	3759.7	3682.2	3550.5	2646.7
67.5°	1533.8	1558.3	1686.2	1832.1	1785.6	1710.7	1937.9	1926.3	1518.3	1174.9	970.9
70°	960.6	976.1	1112.9	1438.3	1554.5	1404.7	1245.9	1240.7	813.4	668.8	733.3
72.5°	560.3	562.9	601.6	801.8	1031.6	960.6	916.7	883.1	522.9	533.2	584.9
75°	308.6	308.6	307.3	346.0	406.7	360.2	348.6	339.6	349.9	396.4	435.1
77.5°	64.6	65.8	69.7	91.7	118.8	144.6	182.0	183.3	228.5	264.7	295.7
80°	29.7	31.0	38.7	49.1	63.3	83.9	111.0	112.3	138.1	166.6	187.2
82.5°	15.5	16.8	20.7	25.8	33.6	43.9	62.0	62.0	82.6	98.1	111.0
85°	5.2	5.2	7.7	10.3	14.2	18.1	24.5	24.5	36.2	47.8	55.5
87.5°	0.0	0.0	0.0	0.0	1.3	2.6	5.2	5.2	6.5	7.7	12.9
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°	5790.6	5790.6	5790.6	5790.6	5790.6	5790.6	5790.6	5790.6	5790.6	5790.6	5790.6
2.5°	5764.7	5724.7	5726.0	5733.7	5709.2	5671.8	5647.2	5616.3	5596.9	5593.0	5607.2
5°	5682.1	5635.6	5603.3	5569.8	5500.1	5417.4	5352.9	5299.9	5265.1	5252.2	5236.7
7.5°	5568.5	5507.8	5426.5	5332.2	5205.7	5058.5	4955.2	4858.4	4791.2	4771.9	4762.8
10°	5454.9	5367.1	5222.5	5046.9	4836.4	4637.6	4450.4	4307.1	4193.5	4128.9	4149.6
12.5°	5337.4	5228.9	5003.0	4733.1	4440.1	4140.5	3895.2	3657.7	3474.3	3382.7	3355.6
15°	5234.1	5086.9	4771.9	4406.5	4016.6	3639.6	3284.5	2928.2	2695.8	2569.3	2534.4
17.5°	5146.3	4955.2	4527.9	4073.4	3607.3	3070.2	2633.8	2303.3	2144.5	2074.8	2069.6
20°	5059.8	4826.1	4286.4	3714.5	3134.8	2533.1	2143.2	1988.3	1931.5	1906.9	1905.7
22.5°	4982.3	4690.5	4032.1	3355.6	2664.8	2129.0	1914.7	1847.6	1832.1	1832.1	1829.5
25°	4916.5	4555.0	3771.3	2974.7	2240.0	1895.3	1795.9	1767.5	1774.0	1785.6	1786.9
27.5°	4889.4	4449.1	3519.5	2583.5	1947.0	1759.8	1714.6	1710.7	1728.8	1746.8	1749.4
30°	4917.8	4376.8	3261.3	2209.1	1771.4	1677.1	1656.5	1664.2	1686.2	1704.2	1704.2
32.5°	5005.6	4340.7	2997.9	1935.3	1669.4	1619.0	1612.6	1620.3	1637.1	1647.4	1648.7
35°	5154.0	4354.9	2725.5	1750.7	1603.5	1576.4	1575.1	1580.3	1586.8	1593.2	1594.5
37.5°	5341.3	4418.1	2433.7	1643.6	1560.9	1545.4	1542.9	1541.6	1542.9	1542.9	1544.1
40°	5524.6	4513.7	2172.9	1580.3	1531.2	1518.3	1511.9	1502.8	1501.5	1499.0	1497.7
42.5°	5660.2	4587.3	1965.0	1535.1	1504.1	1488.6	1480.9	1466.7	1465.4	1464.1	1462.8
45°	5762.1	4649.2	1792.0	1491.2	1475.7	1461.5	1444.7	1431.8	1434.4	1437.0	1437.0
47.5°	5877.1	4703.5	1665.5	1449.9	1440.9	1426.7	1406.0	1397.0	1406.0	1415.0	1415.0
50°	6016.5	4779.6	1562.2	1408.6	1404.7	1387.9	1369.8	1366.0	1376.3	1389.2	1389.2
52.5°	6118.5	4845.5	1488.6	1367.3	1367.3	1345.3	1329.8	1328.5	1340.2	1353.1	1354.4
55°	6309.6	4999.1	1462.8	1319.5	1314.3	1297.5	1285.9	1276.9	1291.1	1302.7	1302.7
57.5°	6525.2	5203.1	1469.3	1251.1	1244.6	1239.4	1230.4	1220.1	1224.0	1236.9	1238.2
60°	6068.1	4808.0	1398.3	1182.6	1178.8	1176.2	1164.6	1146.5	1151.7	1162.0	1163.3
62.5°	4238.7	3195.5	1131.0	1097.4	1110.3	1109.0	1093.6	1072.9	1074.2	1088.4	1088.4
65°	2200.0	1728.8	992.9	1020.0	1039.3	1031.6	1005.8	987.7	985.1	1003.2	999.3
67.5°	949.0	943.8	903.8	938.6	959.3	942.5	915.4	885.7	888.3	894.7	889.6
70°	764.3	787.6	804.4	841.8	858.6	827.6	797.9	781.1	766.9	765.6	756.6
72.5°	610.7	643.0	680.4	719.1	724.3	693.3	655.9	640.4	618.4	617.1	608.1
75°	459.6	486.7	516.4	547.4	547.4	517.7	493.2	485.5	459.6	451.9	444.1
77.5°	313.7	330.5	353.8	361.5	369.3	357.6	333.1	320.2	290.5	282.7	272.4
80°	197.5	209.2	223.4	228.5	236.3	222.1	202.7	188.5	167.8	161.4	156.2
82.5°	118.8	126.5	135.6	138.1	144.6	134.3	116.2	105.9	94.2	89.1	85.2
85°	60.7	64.6	69.7	71.0	69.7	59.4	52.9	47.8	40.0	38.7	36.2
87.5°	15.5	18.1	19.4	18.1	16.8	12.9	9.0	6.5	2.6	2.6	1.3
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)