

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: P641850

Luminaire Tested: GWS-SA6B-760-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641850
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-760-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21781.2 lumens
Efficiency: N/A
Efficacy: 156.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

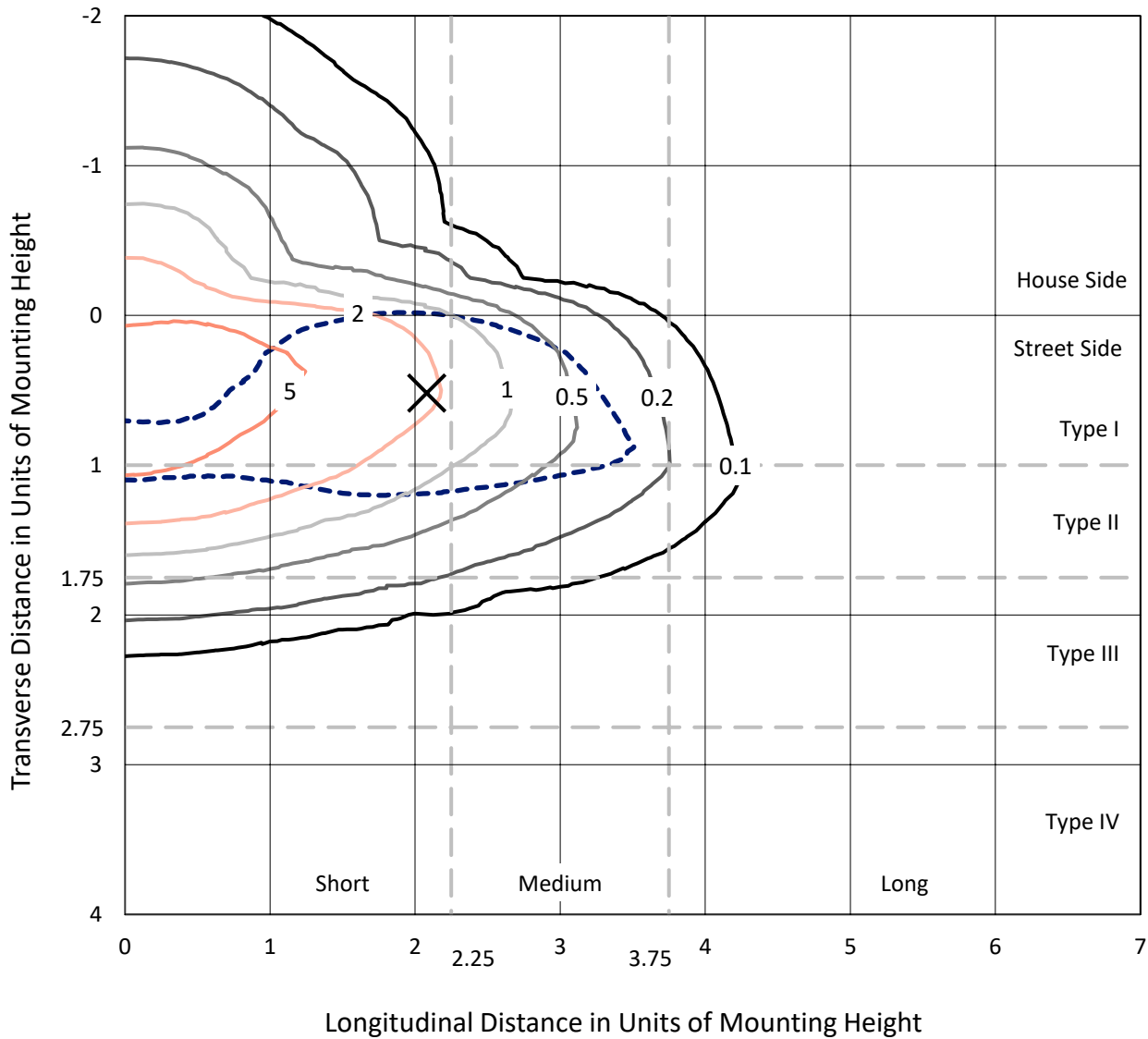
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

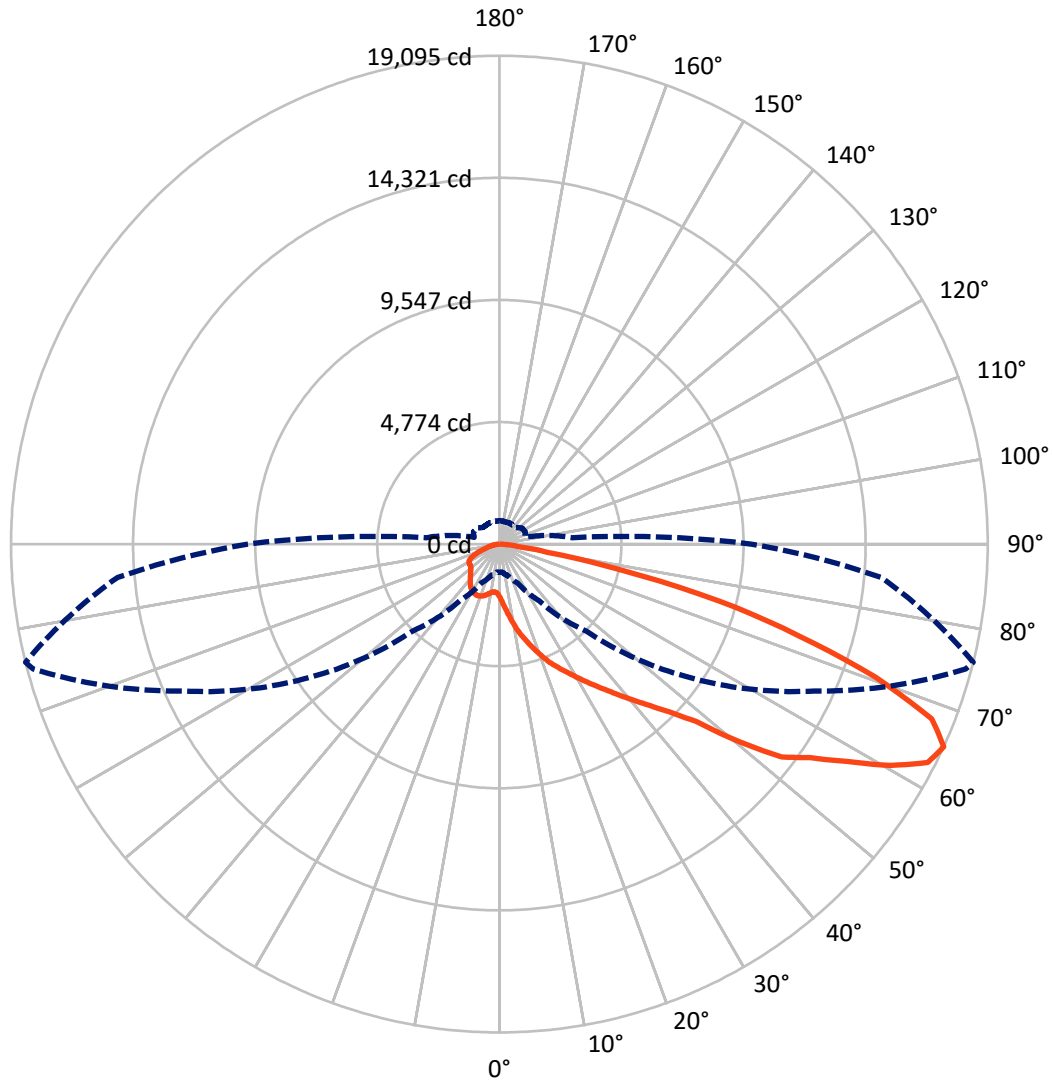
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3640.7	0.0	3640.7
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	18140.5	0.0	18140.5
	% Fixture	83.3	0.0	83.3
Total	Lumens	21781.2	0.0	21781.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.0	1.1
10°-20°	933.4	4.3
20°-30°	1819.0	8.4
30°-40°	3042.2	14.0
40°-50°	4355.8	20.0
50°-60°	5156.6	23.7
60°-70°	4287.8	19.7
70°-80°	1754.7	8.1
80°-90°	186.8	0.9
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°	21781.2	100.0
0°-180°	21781.2	100.0

Coefficient of Utilization



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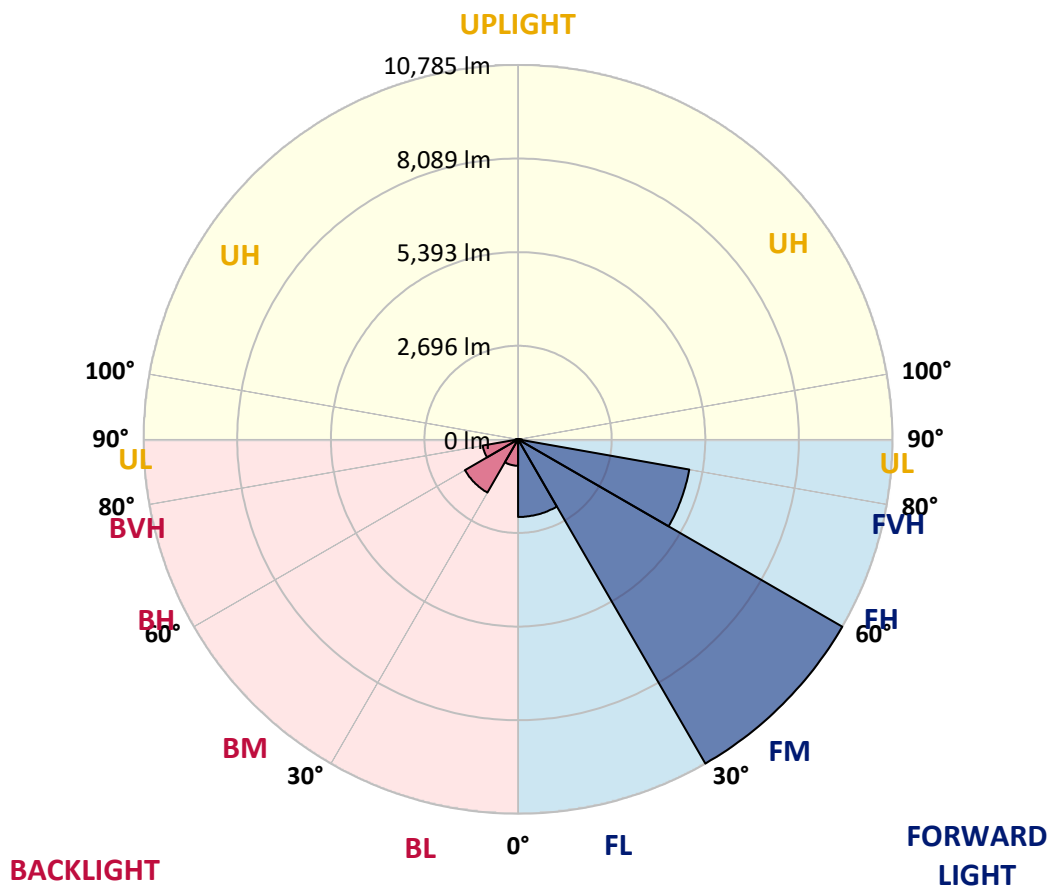
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2235.8	10.3			
FM (30°-60°)	10785.2	49.5			
FH (60°-80°)	5008.1	23.0			G3/7500
FVH (80°-90°)	111.4	0.5			G2/225
BL (0°-30°)	761.6	3.5	B2/1000		
BM (30°-60°)	1769.3	8.1	B2/2500		
BH (60°-80°)	1034.4	4.7	B3/2500		G3/2500
BVH (80°-90°)	75.4	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2062.6	2062.6	2062.6	2062.6	2062.6	2062.6	2062.6	2062.6	2062.6	2062.6	2062.6
2.5°	2891.0	2901.7	2866.5	2854.3	2771.6	2659.8	2566.4	2425.5	2295.3	2275.4	2159.1
5°	3671.9	3626.0	3586.2	3560.2	3445.3	3318.2	3120.7	2855.8	2578.6	2544.9	2293.8
7.5°	4135.9	4128.3	4079.3	4063.9	3975.1	3848.0	3644.4	3315.2	2912.4	2857.3	2476.0
10°	4508.0	4503.4	4478.9	4492.7	4411.5	4287.5	4090.0	3750.0	3278.4	3223.3	2679.7
12.5°	4832.6	4840.3	4835.7	4886.2	4844.9	4748.4	4543.2	4169.6	3644.4	3584.7	2927.8
15°	5070.0	5076.1	5099.1	5209.3	5232.3	5212.4	5004.1	4581.5	4005.8	3920.0	3183.5
17.5°	5137.4	5149.6	5204.7	5382.4	5506.4	5589.1	5434.4	5001.1	4361.0	4267.6	3443.8
20°	5227.7	5241.5	5296.6	5481.9	5664.1	5852.5	5824.9	5426.8	4719.3	4642.8	3707.2
22.5°	5645.7	5635.0	5610.5	5699.3	5829.5	6063.8	6132.7	5835.6	5089.9	5016.4	3998.1
25°	6451.2	6431.3	6275.1	6193.9	6151.0	6293.5	6416.0	6207.7	5451.3	5341.0	4269.1
27.5°	7339.3	7328.6	7129.5	6936.6	6673.2	6612.0	6683.9	6532.3	5801.9	5690.1	4504.9
30°	8180.0	8147.8	7939.6	7697.6	7345.4	7082.0	6976.4	6850.8	6186.3	6069.9	4780.6
32.5°	8931.8	8890.5	8645.5	8377.5	8008.5	7697.6	7382.2	7189.2	6621.1	6486.4	5062.3
35°	9548.9	9507.6	9256.4	8971.6	8565.8	8336.1	7904.3	7556.7	7063.7	6927.4	5394.6
37.5°	10026.7	9988.4	9726.5	9446.3	9092.6	8910.4	8535.2	7970.2	7573.6	7431.2	5746.8
40°	10294.6	10267.1	10057.3	9835.2	9538.2	9380.5	9212.0	8492.3	8144.7	8002.3	6161.8
42.5°	10375.8	10357.4	10210.4	10095.6	9895.0	9775.5	9872.0	9106.4	8754.2	8630.1	6628.8
45°	10172.1	10172.1	10129.2	10187.4	10196.6	10195.1	10533.5	9800.0	9503.0	9366.7	7287.2
47.5°	9651.5	9685.2	9748.0	10034.3	10336.0	10588.6	11306.8	10724.9	10466.1	10354.3	8219.8
50°	8699.1	8790.9	9005.3	9564.2	10205.8	10848.9	12038.7	12092.3	12338.8	12141.3	9591.8
52.5°	7304.1	7290.3	7837.0	8633.2	9611.7	10859.7	12441.4	13298.9	13962.0	13825.7	10611.6
55°	5805.0	5782.0	6291.9	7389.8	8700.6	10449.3	12683.4	13851.7	14862.4	14739.9	11528.8
57.5°	4445.2	4416.1	4869.4	5860.1	7414.3	9578.0	12637.4	14510.2	16101.1	16038.4	12775.3
60°	3059.4	3024.2	3448.4	4315.1	5892.3	8245.8	12129.1	14848.6	17551.2	17572.7	14109.0
62.5°	1837.5	1817.6	2125.4	2797.6	4238.5	6595.1	10939.3	14643.4	18705.8	18802.3	14966.5
65°	1108.6	1094.8	1275.5	1669.1	2688.9	4812.7	9104.8	13594.5	18872.7	19094.7	14986.4
67.5°	807.0	808.5	860.6	1016.8	1568.0	3108.4	6832.5	11714.1	18003.0	18232.6	14041.6
70°	701.3	704.4	731.9	767.2	947.8	1779.3	4442.2	9247.2	15432.0	15609.6	11776.9
72.5°	623.2	623.2	641.6	660.0	741.1	1084.1	2379.6	6463.4	12179.6	12227.1	8988.5
75°	548.2	543.6	552.8	562.0	643.1	758.0	1157.6	4503.4	8996.1	8885.9	5809.6
77.5°	436.4	431.8	433.3	442.5	516.0	542.1	586.5	2812.9	5070.0	4785.2	2566.4
80°	310.8	307.8	324.6	347.6	381.3	332.3	367.5	1361.3	2010.5	1871.2	995.3
82.5°	185.3	191.4	217.4	235.8	263.4	208.3	237.3	454.8	712.0	693.7	404.3
85°	26.0	27.6	78.1	90.3	113.3	81.2	125.6	205.2	284.8	304.7	142.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	10.7	36.8	81.2	82.7	35.2
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°	2062.6	2062.6	2062.6	2062.6	2062.6	2062.6	2062.6	2062.6	2062.6	2062.6	2062.6
2.5°	2099.3	2027.4	1924.8	1839.0	1767.1	1708.9	1659.9	1623.1	1612.4	1597.1	1597.1
5°	2175.9	2045.8	1862.0	1731.8	1656.8	1612.4	1581.8	1566.5	1558.8	1549.6	1545.0
7.5°	2281.6	2099.3	1851.3	1719.6	1661.4	1633.8	1613.9	1604.8	1598.6	1589.4	1589.4
10°	2427.0	2179.0	1885.0	1762.5	1716.5	1689.0	1666.0	1650.7	1636.9	1623.1	1620.1
12.5°	2584.8	2283.1	1946.2	1820.7	1771.7	1738.0	1705.8	1682.8	1666.0	1649.2	1644.6
15°	2759.3	2390.3	2012.1	1877.3	1816.1	1770.1	1731.8	1696.6	1673.7	1649.2	1646.1
17.5°	2930.8	2499.0	2067.2	1915.6	1837.5	1780.8	1725.7	1679.8	1650.7	1623.1	1615.5
20°	3136.0	2607.7	2105.5	1926.3	1832.9	1757.9	1692.0	1633.8	1601.7	1569.5	1564.9
22.5°	3324.4	2708.8	2123.8	1911.0	1797.7	1708.9	1632.3	1569.5	1534.3	1502.2	1496.0
25°	3506.6	2797.6	2116.2	1874.3	1744.1	1641.5	1561.9	1499.1	1465.4	1431.7	1422.5
27.5°	3682.7	2857.3	2085.6	1817.6	1676.7	1566.5	1489.9	1433.3	1404.2	1375.1	1362.8
30°	3855.7	2912.4	2038.1	1744.1	1591.0	1488.4	1425.6	1385.8	1356.7	1326.1	1316.9
32.5°	4030.3	2952.3	1966.1	1658.3	1503.7	1419.5	1381.2	1352.1	1321.5	1290.8	1281.7
35°	4206.4	2969.1	1878.8	1560.3	1430.2	1375.1	1361.3	1327.6	1286.3	1249.5	1237.3
37.5°	4416.1	2984.4	1770.1	1463.9	1365.9	1353.6	1350.6	1300.0	1251.0	1200.5	1186.7
40°	4668.8	3004.3	1658.3	1376.6	1313.8	1346.0	1333.7	1264.8	1166.8	1117.8	1102.5
42.5°	4978.1	3041.1	1542.0	1297.0	1275.5	1316.9	1303.1	1179.1	1113.2	1085.7	1078.0
45°	5432.9	3175.8	1425.6	1234.2	1246.4	1275.5	1254.1	1128.5	1102.5	1084.1	1074.9
47.5°	6242.9	3382.5	1324.5	1186.7	1223.5	1238.8	1156.1	1114.8	1094.8	1070.3	1059.6
50°	7085.1	3472.9	1243.4	1157.6	1197.4	1205.1	1102.5	1096.4	1082.6	1056.6	1045.8
52.5°	7654.7	3460.6	1194.4	1146.9	1176.0	1146.9	1078.0	1076.5	1067.3	1036.7	1024.4
55°	8297.9	3482.1	1172.9	1150.0	1166.8	1048.9	1047.4	1052.0	1047.4	1013.7	1007.6
57.5°	9166.1	3547.9	1162.2	1160.7	1160.7	1001.4	1018.3	1024.4	1015.2	999.9	995.3
60°	10000.6	3552.5	1142.3	1172.9	1156.1	972.3	984.6	990.7	980.0	976.9	975.4
62.5°	10314.5	3332.0	1097.9	1163.8	1137.7	940.2	949.4	952.4	941.7	949.4	947.8
65°	9847.5	2863.4	1024.4	1119.3	1081.1	911.1	905.0	912.6	894.3	914.2	915.7
67.5°	8743.5	2275.4	912.6	1035.1	1001.4	878.9	866.7	866.7	836.1	866.7	865.2
70°	7049.9	1607.8	748.8	900.4	914.2	840.7	834.5	799.3	750.3	796.3	791.7
72.5°	5344.1	1154.6	589.5	712.0	787.1	787.1	788.6	728.9	672.2	693.7	675.3
75°	3385.6	813.1	471.6	545.1	617.1	690.6	725.8	615.6	565.0	555.8	546.7
77.5°	1525.1	534.4	367.5	418.0	437.9	545.1	663.0	529.8	460.9	441.0	434.9
80°	638.5	332.3	261.8	295.5	269.5	457.8	584.9	411.9	338.4	310.8	290.9
82.5°	280.2	197.5	166.9	159.3	168.4	339.9	436.4	274.1	211.3	286.3	289.4
85°	117.9	104.1	85.8	78.1	68.9	130.2	205.2	107.2	131.7	75.0	61.3
87.5°	27.6	30.6	23.0	15.3	9.2	1.5	0.0	0.0	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)