

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: P643312

Luminaire Tested: GWS-SA6E-760-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-760-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44380.9 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G5

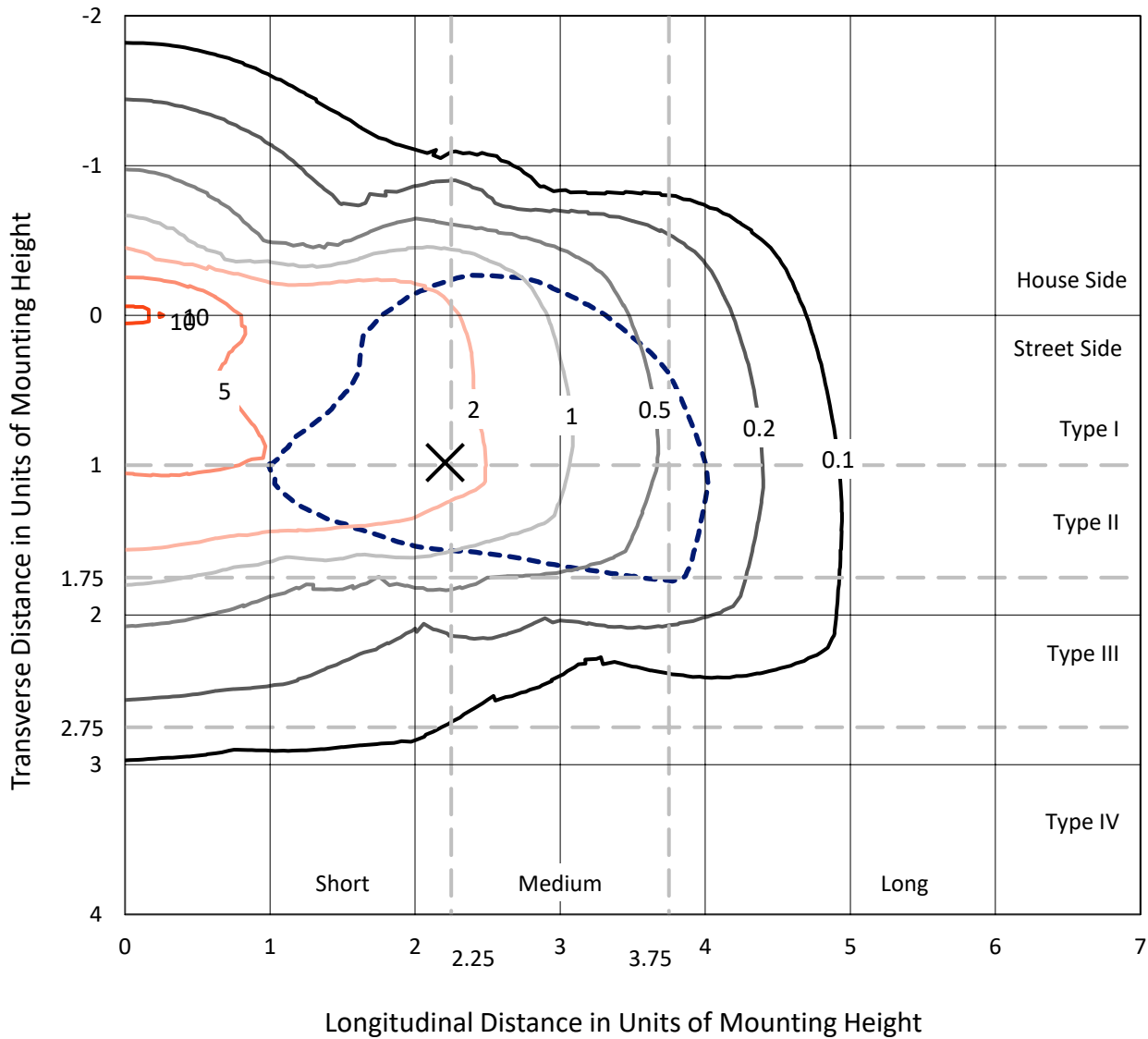
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

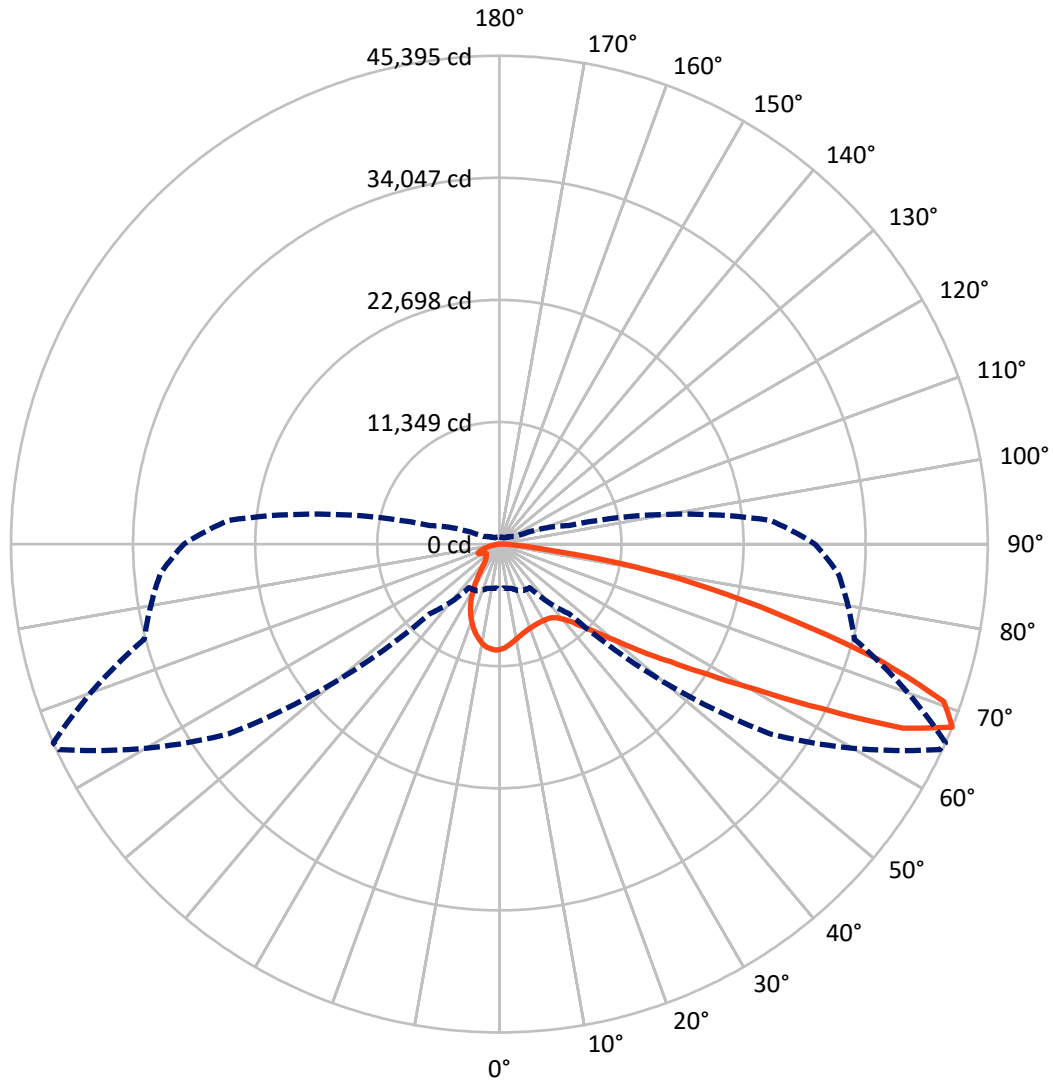
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9005.9	0.0	9005.9
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	35375.0	0.0	35375.0
	% Fixture	79.7	0.0	79.7
Total	Lumens	44380.9	0.0	44380.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	860.7	1.9
10°-20°	2115.2	4.8
20°-30°	2907.4	6.6
30°-40°	3975.0	9.0
40°-50°	6023.1	13.6
50°-60°	9363.1	21.1
60°-70°	11399.3	25.7
70°-80°	6943.9	15.6
80°-90°	793.2	1.8
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°	44380.9	100.0
0°-180°	44380.9	100.0

Coefficient of Utilization



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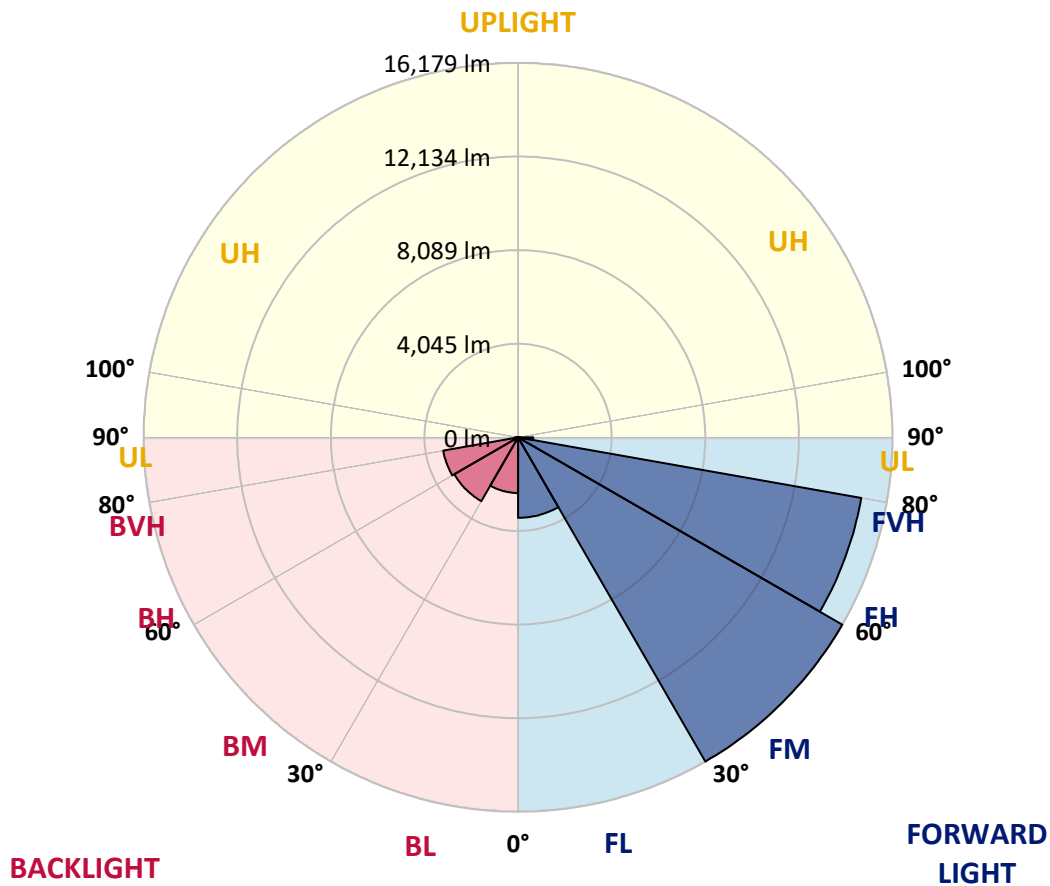
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3477.4	7.8			
FM (30°-60°)	16178.5	36.5			
FH (60°-80°)	15059.6	33.9			G5
FVH (80°-90°)	659.4	1.5			G4/750
BL (0°-30°)	2405.9	5.4	B3/2500		
BM (30°-60°)	3182.6	7.2	B3/5000		
BH (60°-80°)	3283.7	7.4	B4/5000		G4/5000
BVH (80°-90°)	133.7	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	9806.9	9806.9	9806.9	9806.9	9806.9	9806.9	9806.9	9806.9	9806.9	9806.9	9806.9
2.5°	9185.3	9217.7	9198.2	9321.3	9327.7	9483.2	9570.6	9645.0	9651.5	9748.6	9813.4
5°	8557.2	8576.6	8576.6	8693.2	8770.9	8978.1	9178.8	9392.5	9408.7	9641.8	9819.9
7.5°	8048.9	8068.3	8055.3	8210.7	8311.1	8541.0	8796.8	9123.8	9156.1	9531.7	9842.5
10°	7650.6	7644.2	7676.5	7819.0	7948.5	8223.7	8508.6	8880.9	8929.5	9405.4	9868.4
12.5°	7378.7	7385.1	7404.6	7553.5	7692.7	7964.7	8259.3	8664.0	8715.8	9259.8	9855.5
15°	7249.2	7236.2	7252.4	7388.4	7521.1	7760.7	8065.0	8482.7	8534.5	9130.2	9858.7
17.5°	7220.0	7210.3	7207.1	7304.2	7404.6	7628.0	7919.4	8343.5	8398.5	9046.1	9878.1
20°	7310.7	7297.7	7262.1	7304.2	7346.3	7534.1	7815.7	8243.1	8304.6	8991.0	9917.0
22.5°	7560.0	7537.3	7482.3	7430.5	7375.4	7488.7	7751.0	8168.7	8230.2	8955.4	9955.9
25°	7938.8	7919.4	7861.1	7744.5	7543.8	7524.4	7738.0	8136.3	8197.8	8929.5	9972.0
27.5°	8460.0	8430.9	8372.6	8204.3	7877.3	7657.1	7786.6	8133.0	8191.3	8900.4	9955.9
30°	9078.4	9059.0	9026.6	8822.7	8385.6	7938.8	7896.7	8158.9	8204.3	8884.2	9923.5
32.5°	9706.6	9687.1	9713.0	9615.9	9078.4	8405.0	8136.3	8230.2	8262.5	8880.9	9894.3
35°	10260.2	10282.9	10470.6	10486.8	9959.1	9036.4	8515.1	8395.3	8401.8	8945.7	9907.3
37.5°	10839.7	10927.2	11173.2	11383.7	10943.3	9871.7	9078.4	8706.1	8699.6	9110.8	9988.2
40°	11607.1	11645.9	11960.0	12355.0	12079.8	11017.8	9878.1	9214.4	9169.1	9447.5	10205.2
42.5°	12355.0	12448.9	12950.7	13404.0	13313.3	12309.6	10885.1	9975.3	9894.3	10043.3	10652.0
45°	13306.8	13397.5	13960.9	14543.6	14708.8	13769.8	12173.7	11056.7	10975.7	10940.1	11471.1
47.5°	14258.7	14352.6	14857.7	15699.5	16279.0	15595.9	13850.8	12484.5	12351.7	12212.5	12707.9
50°	14899.8	15009.9	15492.3	16502.4	17862.3	17875.2	15838.7	14355.9	14187.5	13967.3	14449.7
52.5°	14877.1	14948.3	15408.1	16573.7	19001.9	20494.5	18500.1	16738.8	16602.8	16123.6	16544.5
55°	13708.3	13815.2	14278.1	15735.1	19124.9	22977.8	22411.2	19549.1	19306.3	18448.3	18911.3
57.5°	11361.0	11451.7	11917.9	13714.8	18033.9	24250.2	27377.8	23130.0	22796.5	20980.1	21514.4
60°	8576.6	8466.5	8686.7	10260.2	15424.3	24282.6	31761.6	27986.5	27429.6	23686.8	24133.6
62.5°	6436.5	6326.4	6375.0	6818.5	10457.7	22320.5	34261.1	34630.2	33710.7	26743.2	26655.8
65°	5086.4	5024.9	5164.1	5468.4	6096.5	16997.8	34280.5	41814.6	41235.0	30285.2	29242.7
67.5°	4144.2	4105.4	4247.8	4811.2	4943.9	9133.5	30738.5	45168.8	45395.4	34164.0	31641.8
70°	3338.0	3279.8	3503.2	4244.6	4597.5	5526.7	22019.4	43459.3	43825.2	36475.7	30965.1
72.5°	2305.2	2308.5	2421.8	3438.4	4438.9	4772.3	12455.3	36187.5	36980.7	34380.9	27222.4
75°	1554.1	1567.0	1599.4	2269.6	4089.2	4629.9	6637.2	27397.2	27957.3	28417.1	22501.8
77.5°	938.9	945.4	1019.9	1372.8	2820.0	4322.3	4497.1	19859.9	20300.2	18733.2	13947.9
80°	543.9	566.6	634.6	919.5	1903.8	3247.4	3480.5	12176.9	12675.5	8327.3	4432.4
82.5°	239.6	255.8	346.4	534.2	1110.5	2761.7	2716.4	4811.2	4740.0	2321.4	1537.9
85°	42.1	51.8	74.5	168.4	407.9	1457.0	2107.7	2123.9	1997.6	880.6	637.8
87.5°	0.0	0.0	0.0	0.0	0.0	9.7	317.3	569.8	566.6	249.3	220.2
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°	9806.9	9806.9	9806.9	9806.9	9806.9	9806.9	9806.9	9806.9	9806.9	9806.9	9806.9
2.5°	9855.5	9768.1	9845.8	9855.5	9839.3	9826.3	9729.2	9645.0	9635.3	9544.7	9544.7
5°	9891.1	9810.2	9849.0	9774.5	9658.0	9538.2	9331.0	9188.5	9123.8	9007.2	9007.2
7.5°	9939.7	9855.5	9810.2	9625.6	9353.6	9091.4	8757.9	8479.5	8366.2	8201.0	8194.6
10°	9985.0	9878.1	9722.7	9363.4	8929.5	8511.8	8026.2	7631.2	7362.5	7165.0	7165.0
12.5°	9981.8	9842.5	9535.0	9004.0	8405.0	7799.6	7152.0	6556.3	6200.1	5892.6	5873.1
15°	9975.3	9784.3	9295.4	8586.3	7793.1	6954.5	6073.9	5296.8	4769.1	4468.0	4442.1
17.5°	9968.8	9709.8	9026.6	8110.4	7048.4	5905.5	4743.2	3901.4	3461.1	3276.5	3283.0
20°	9968.8	9625.6	8738.5	7563.2	6190.4	4649.3	3480.5	2868.6	2758.5	2768.2	2777.9
22.5°	9939.7	9522.0	8418.0	6967.5	5235.3	3419.0	2567.5	2360.3	2418.5	2509.2	2522.1
25°	9871.7	9350.4	8045.6	6307.0	4098.9	2489.8	2094.8	2055.9	2162.8	2276.1	2308.5
27.5°	9764.8	9152.9	7628.0	5533.2	3017.5	2000.9	1842.2	1839.0	1923.2	2007.4	2036.5
30°	9651.5	8932.7	7187.6	4672.0	2185.4	1741.9	1680.4	1680.4	1722.4	1774.2	1767.8
32.5°	9518.8	8709.3	6714.9	3775.1	1780.7	1596.2	1576.7	1567.0	1573.5	1592.9	1592.9
35°	9405.4	8511.8	6229.3	2826.5	1596.2	1515.2	1495.8	1473.1	1463.4	1450.5	1457.0
37.5°	9363.4	8356.4	5727.4	2130.4	1505.5	1457.0	1424.6	1392.2	1369.5	1363.1	1359.8
40°	9431.3	8291.7	5225.6	1754.8	1440.8	1395.4	1359.8	1317.7	1298.3	1298.3	1298.3
42.5°	9696.8	8340.3	4714.1	1586.5	1395.4	1343.6	1291.8	1253.0	1246.5	1253.0	1256.2
45°	10182.5	8528.0	4183.1	1502.3	1356.6	1291.8	1230.3	1201.2	1201.2	1207.7	1207.7
47.5°	11050.2	9020.2	3658.6	1450.5	1317.7	1249.7	1185.0	1155.9	1152.6	1159.1	1159.1
50°	12552.5	9907.3	3185.9	1414.9	1288.6	1217.4	1152.6	1113.8	1104.0	1100.8	1100.8
52.5°	14446.5	11445.2	2884.8	1389.0	1253.0	1181.8	1117.0	1065.2	1045.8	1036.1	1036.1
55°	16735.5	13494.6	2884.8	1369.5	1207.7	1139.7	1065.2	1013.4	984.3	971.3	971.3
57.5°	19328.9	15880.8	3383.4	1353.3	1172.0	1091.1	1010.2	958.4	926.0	906.5	906.5
60°	21967.6	18402.9	4616.9	1330.7	1139.7	1029.6	948.6	900.1	858.0	835.3	832.1
62.5°	24703.5	21180.9	6242.2	1343.6	1117.0	971.3	883.9	828.8	793.2	770.6	767.3
65°	27209.4	23826.1	7663.6	1444.0	1120.2	919.5	809.4	760.9	731.7	702.6	699.3
67.5°	29336.6	25286.2	6666.4	1648.0	1188.2	858.0	735.0	686.4	660.5	641.1	637.8
70°	27847.2	23058.7	3781.6	1774.2	1282.1	793.2	650.8	618.4	592.5	579.5	576.3
72.5°	23813.1	19523.2	2528.6	1567.0	1168.8	709.1	573.1	547.2	527.7	511.6	508.3
75°	19290.1	15482.6	1932.9	1285.4	909.8	576.3	492.1	472.7	453.3	437.1	433.8
77.5°	11412.8	8945.7	1424.6	1016.6	641.1	450.0	407.9	391.8	372.3	359.4	356.1
80°	3642.4	3108.2	903.3	699.3	424.1	346.4	314.1	301.1	281.7	265.5	262.3
82.5°	1389.0	1201.2	479.2	356.1	281.7	236.4	210.4	197.5	184.5	168.4	165.1
85°	615.2	576.3	265.5	191.0	152.2	116.6	103.6	97.1	80.9	68.0	64.8
87.5°	216.9	216.9	113.3	55.0	32.4	16.2	9.7	3.2	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)