

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: P643261

Luminaire Tested: GWS-SA6E-750-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643261
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-750-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44866.3 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

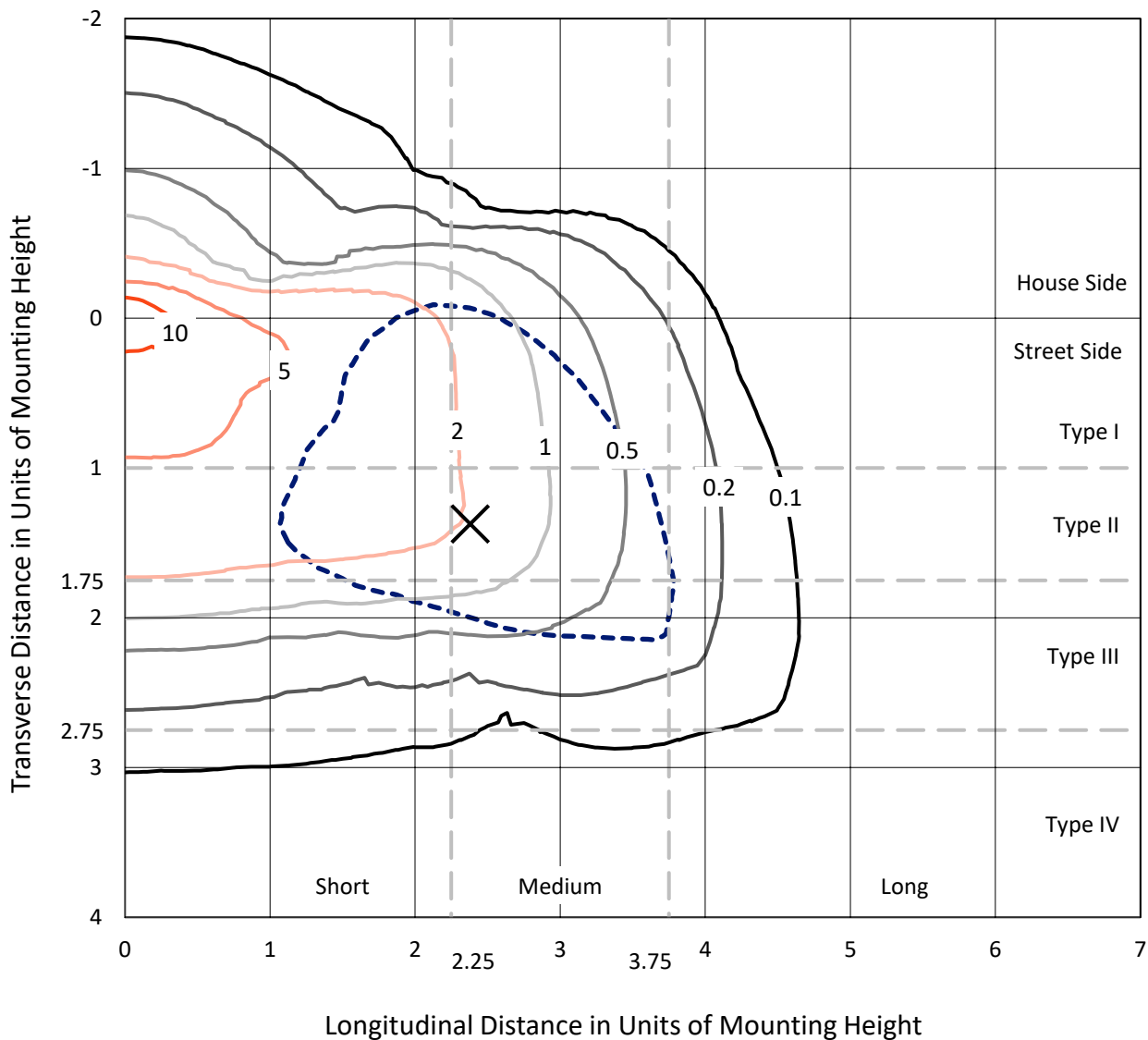
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

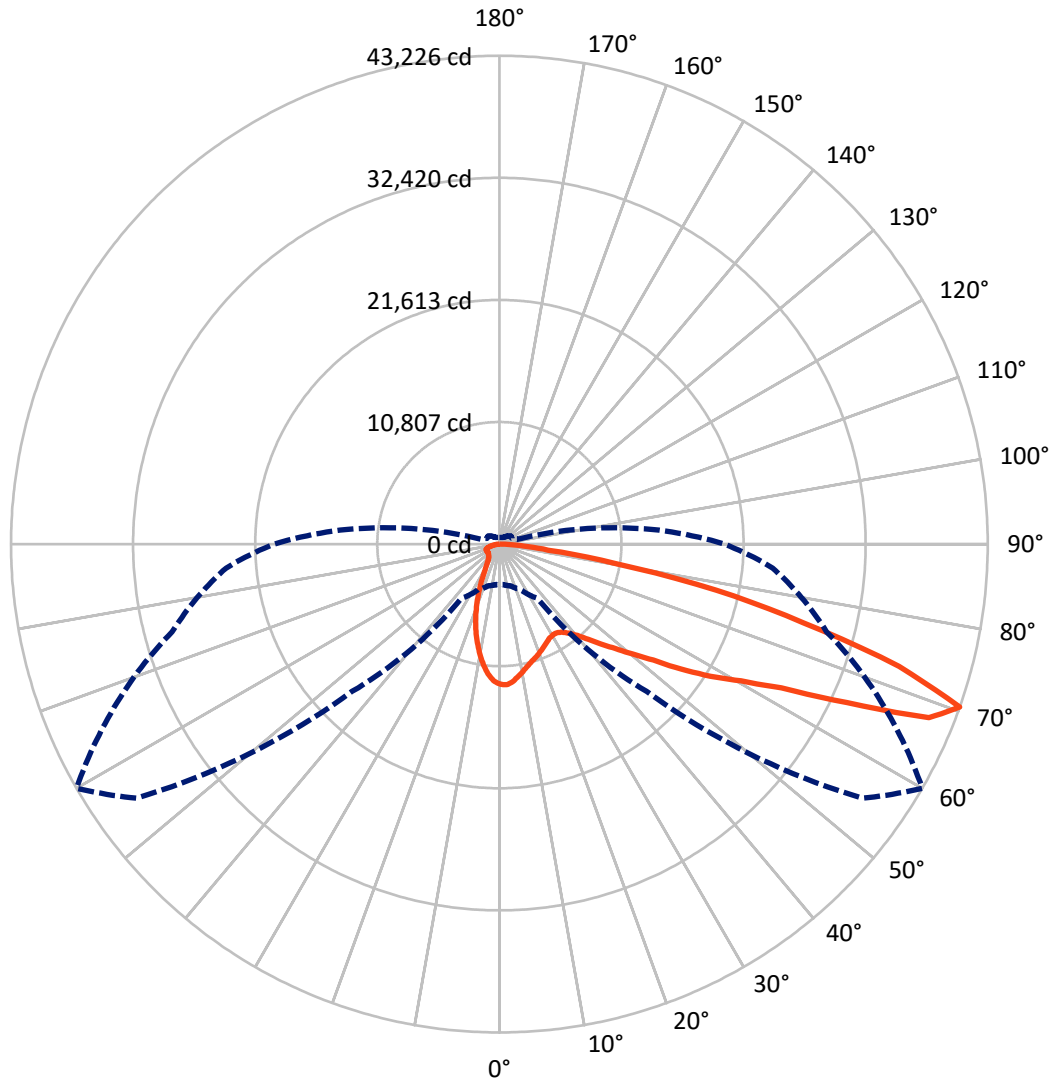
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 13.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7673.2	0.0	7673.2
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	37193.1	0.0	37193.1
	% Fixture	82.9	0.0	82.9
Total	Lumens	44866.3	0.0	44866.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1070.1	2.4
10°-20°	2397.4	5.3
20°-30°	3070.3	6.8
30°-40°	4035.1	9.0
40°-50°	5854.3	13.0
50°-60°	9134.1	20.4
60°-70°	11958.4	26.7
70°-80°	6612.6	14.7
80°-90°	733.8	1.6
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°	44866.3	100.0
0°-180°	44866.3	100.0

Coefficient of Utilization



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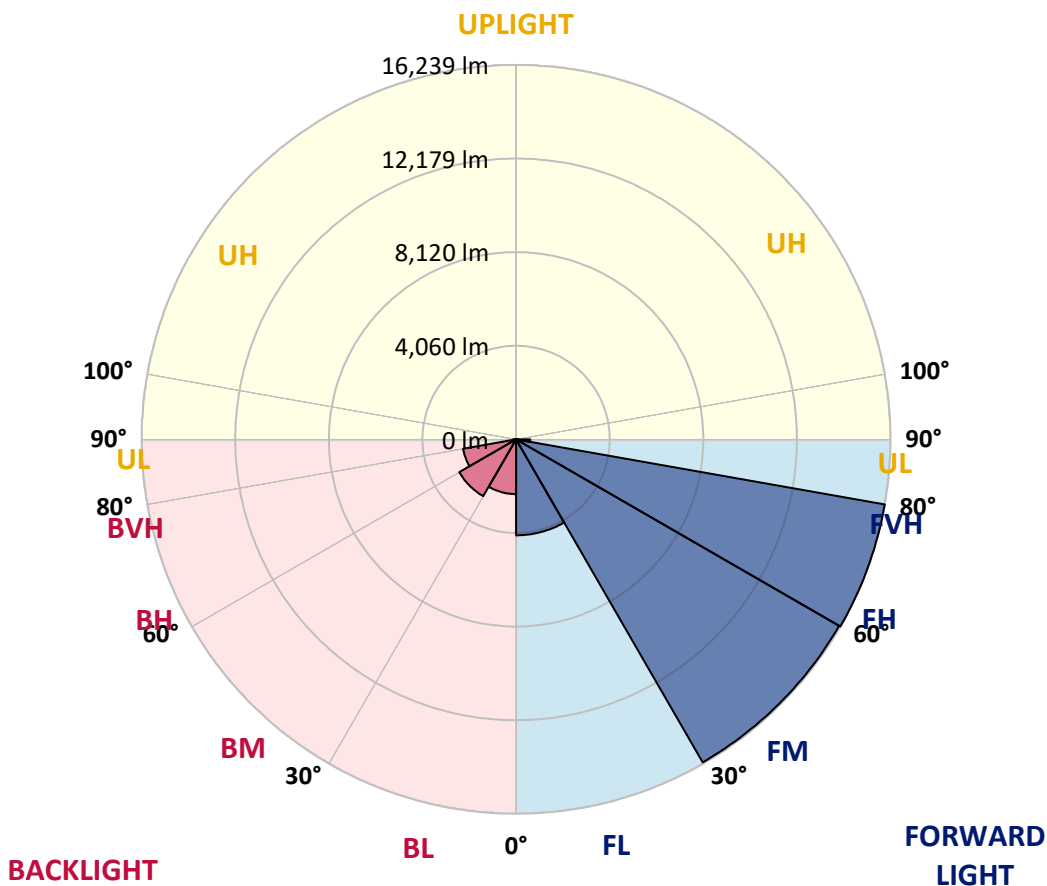
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4163.9	9.3			
FM (30°-60°)	16178.6	36.1			
FH (60°-80°)	16239.1	36.2			G5
FVH (80°-90°)	611.5	1.4			G4/750
BL (0°-30°)	2374.0	5.3	B3/2500		
BM (30°-60°)	2845.0	6.3	B3/5000		
BH (60°-80°)	2331.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	122.4	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	12415.1	12415.1	12415.1	12415.1	12415.1	12415.1	12415.1	12415.1	12415.1	12415.1	12415.1
2.5°	12241.1	12254.2	12290.3	12342.9	12395.4	12421.7	12487.3	12467.6	12454.5	12428.2	12395.4
5°	11699.5	11725.7	11758.6	11860.3	11975.2	12067.1	12214.8	12231.3	12237.8	12251.0	12198.4
7.5°	11010.1	11016.7	11095.4	11230.0	11381.0	11538.6	11784.8	11853.7	11912.8	11978.5	11935.8
10°	10248.5	10264.9	10324.0	10517.7	10777.0	11010.1	11341.7	11456.5	11581.3	11725.7	11666.6
12.5°	9624.8	9628.1	9723.3	9930.1	10212.4	10527.5	10941.2	11079.0	11243.2	11469.7	11417.2
15°	9129.1	9129.1	9217.8	9395.0	9720.0	10091.0	10583.4	10760.6	10983.8	11289.1	11197.2
17.5°	8735.2	8738.5	8794.3	8981.4	9270.3	9680.6	10264.9	10504.6	10750.8	11154.5	11016.7
20°	8528.4	8512.0	8521.8	8636.7	8882.9	9280.1	9946.5	10225.5	10557.1	11062.6	10852.5
22.5°	8518.5	8489.0	8446.3	8456.2	8600.6	8928.9	9605.1	9943.2	10360.1	10987.1	10685.1
25°	8686.0	8653.1	8577.6	8492.3	8479.2	8676.1	9283.4	9667.5	10156.6	10954.3	10524.3
27.5°	8968.3	8945.3	8846.8	8718.8	8584.2	8577.6	9040.5	9441.0	10008.9	10987.1	10409.4
30°	9342.5	9303.1	9240.7	9076.6	8873.1	8663.0	8945.3	9319.5	9910.4	11092.2	10360.1
32.5°	9766.0	9743.0	9683.9	9519.8	9303.1	8968.3	9020.8	9345.8	9910.4	11276.0	10370.0
35°	10215.7	10212.4	10212.4	10104.1	9864.4	9447.5	9319.5	9569.0	10061.4	11571.4	10475.0
37.5°	10652.3	10649.0	10754.1	10793.4	10521.0	10071.3	9828.3	10015.4	10393.0	12008.0	10734.4
40°	11006.8	11019.9	11249.7	11446.7	11295.7	10878.8	10537.4	10632.6	10931.3	12628.5	11187.4
42.5°	11364.6	11400.7	11745.4	12093.4	12152.5	11791.4	11446.7	11502.5	11702.7	13449.1	11863.6
45°	11755.3	11771.7	12254.2	12740.1	13025.7	12812.3	12530.0	12605.5	12651.4	14463.5	12871.4
47.5°	12132.8	12175.5	12799.2	13465.5	14007.2	13987.5	13829.9	13806.9	13816.8	15697.8	14063.0
50°	12648.2	12710.5	13442.6	14246.8	15041.2	15405.6	15451.6	15277.6	15205.4	17069.9	15546.8
52.5°	13626.4	13626.4	14282.9	15074.1	16140.9	17043.7	17352.2	17066.6	16836.9	18520.9	17122.4
55°	14850.8	14903.4	15425.3	16065.4	17417.9	18767.1	19811.0	19495.8	18845.9	20099.8	18773.6
57.5°	15395.8	15461.4	16288.6	17283.3	19088.8	20726.8	22174.5	22062.9	21114.2	21741.2	20487.2
60°	14411.0	14548.8	15687.9	17355.5	20602.1	23888.0	24909.0	24584.0	23228.2	23464.6	22345.2
62.5°	12021.2	12172.2	13436.0	15763.4	20392.0	27305.3	29219.1	28020.9	25867.5	25641.0	24820.3
65°	7172.7	7166.1	8686.0	11771.7	17802.0	28254.0	36040.5	33805.0	29944.6	28628.2	27367.7
67.5°	4559.6	4549.8	4868.2	6237.1	11847.2	25929.9	40426.2	41007.2	35482.5	30824.3	27577.8
70°	3597.8	3594.5	3824.3	4448.0	5859.6	18451.9	39205.0	43226.3	38827.5	29987.3	24282.0
72.5°	2622.9	2629.4	2984.0	3725.8	4520.2	9263.7	31746.8	36985.9	35712.2	26471.5	19712.5
75°	1884.3	1894.1	2107.5	2852.6	4169.0	5065.2	21110.9	27810.8	27170.7	21219.2	13560.7
77.5°	1198.2	1211.3	1398.4	1999.2	3368.0	4090.2	12799.2	19633.7	18077.7	11955.5	4822.3
80°	732.0	774.7	932.3	1490.3	2691.8	3069.3	6397.9	10343.7	9053.6	3279.4	1621.6
82.5°	377.5	410.3	561.3	922.4	1854.7	2695.1	3620.8	4346.3	2803.4	1372.2	863.3
85°	118.2	137.9	197.0	374.2	883.0	1670.9	2396.4	2160.0	1286.8	646.7	400.5
87.5°	29.5	29.5	32.8	32.8	36.1	75.5	462.9	489.1	341.4	203.5	164.1
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°	12415.1	12415.1	12415.1	12415.1	12415.1	12415.1	12415.1	12415.1	12415.1	12415.1	12415.1
2.5°	12329.7	12251.0	12218.1	12214.8	12132.8	12014.6	11935.8	11880.0	11847.2	11840.6	11840.6
5°	12109.8	12008.0	11873.4	11771.7	11551.7	11328.5	11141.4	11036.4	10914.9	10898.5	10895.2
7.5°	11817.6	11669.9	11413.9	11128.3	10744.2	10373.3	10058.1	9844.7	9631.4	9592.0	9578.9
10°	11502.5	11302.3	10865.7	10363.4	9788.9	9234.2	8751.6	8374.1	8124.6	7947.4	7914.5
12.5°	11190.6	10924.8	10284.6	9536.2	8748.3	7990.0	7264.6	6647.4	6201.0	5941.6	5895.7
15°	10898.5	10527.5	9651.1	8695.8	7671.6	6634.3	5606.8	4805.8	4178.8	3955.6	3903.1
17.5°	10632.6	10169.7	9037.2	7825.9	6548.9	5193.2	4024.6	3312.2	2944.6	2833.0	2806.7
20°	10366.7	9802.1	8413.5	6910.0	5357.3	3837.4	2941.3	2606.4	2468.6	2425.9	2412.8
22.5°	10081.1	9398.3	7734.0	6007.3	4152.6	2872.3	2406.2	2258.5	2215.8	2219.1	2215.8
25°	9795.5	8988.0	7021.6	5025.8	3092.3	2330.7	2100.9	2045.1	2055.0	2084.5	2091.1
27.5°	9559.2	8623.6	6322.4	3949.1	2416.1	2005.7	1897.4	1894.1	1930.2	1969.6	1976.2
30°	9388.5	8298.6	5633.1	3036.5	1989.3	1782.5	1739.8	1759.5	1802.2	1831.7	1841.6
32.5°	9267.0	8019.6	4897.8	2386.5	1743.1	1624.9	1605.2	1624.9	1651.2	1680.7	1687.3
35°	9224.3	7816.1	4175.6	1946.6	1575.7	1510.0	1496.9	1506.7	1519.9	1536.3	1542.9
37.5°	9319.5	7714.3	3420.5	1693.9	1473.9	1434.5	1414.8	1408.3	1411.6	1418.1	1421.4
40°	9601.8	7760.2	2803.4	1546.1	1408.3	1372.2	1339.3	1326.2	1322.9	1329.5	1326.2
42.5°	10087.7	7953.9	2357.0	1460.8	1355.7	1303.2	1267.1	1254.0	1254.0	1270.4	1270.4
45°	10800.0	8334.7	2035.3	1398.4	1309.8	1244.1	1204.7	1198.2	1211.3	1237.6	1240.9
47.5°	11843.9	8892.8	1841.6	1352.5	1267.1	1191.6	1152.2	1148.9	1175.2	1217.9	1221.2
50°	13081.5	9697.0	1736.5	1319.6	1237.6	1148.9	1109.5	1112.8	1142.4	1188.3	1198.2
52.5°	14571.8	10793.4	1743.1	1306.5	1221.2	1122.7	1083.3	1076.7	1106.3	1152.2	1162.1
55°	16111.4	12126.2	1871.1	1309.8	1198.2	1109.5	1057.0	1034.0	1060.3	1093.1	1096.4
57.5°	17805.2	13629.7	2189.5	1303.2	1168.6	1096.4	1034.0	981.5	997.9	1017.6	1027.5
60°	19715.8	15399.0	2875.6	1316.4	1155.5	1066.9	988.1	919.1	915.9	929.0	932.3
62.5°	22269.7	17805.2	3647.1	1339.3	1185.0	1030.8	919.1	846.9	833.8	840.4	843.6
65°	24222.9	18954.2	3404.1	1319.6	1247.4	1004.5	853.5	778.0	751.7	745.2	745.2
67.5°	23428.5	17434.3	2370.1	1267.1	1277.0	1007.8	801.0	705.8	672.9	656.5	653.3
70°	19935.7	14161.5	1647.9	1214.6	1244.1	1001.2	745.2	646.7	604.0	581.0	577.8
72.5°	15750.3	10813.1	1332.8	1109.5	1129.2	902.7	663.1	581.0	544.9	515.4	515.4
75°	10136.9	6598.2	1112.8	988.1	922.4	702.5	574.5	518.7	482.6	453.0	453.0
77.5°	3410.7	2448.9	863.3	837.1	689.4	528.5	482.6	446.4	416.9	390.6	387.4
80°	1385.3	1162.1	633.6	633.6	482.6	403.8	377.5	361.1	341.4	308.6	308.6
82.5°	804.3	705.8	443.2	384.1	321.7	279.0	262.6	246.2	246.2	223.2	223.2
85°	387.4	390.6	265.9	236.4	183.8	160.9	154.3	144.4	141.2	128.0	124.7
87.5°	210.1	213.4	134.6	105.0	72.2	62.4	52.5	49.2	46.0	42.7	42.7
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)