

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: P643151

Luminaire Tested: GWS-SA6E-735-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643151
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-735-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43260.1 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

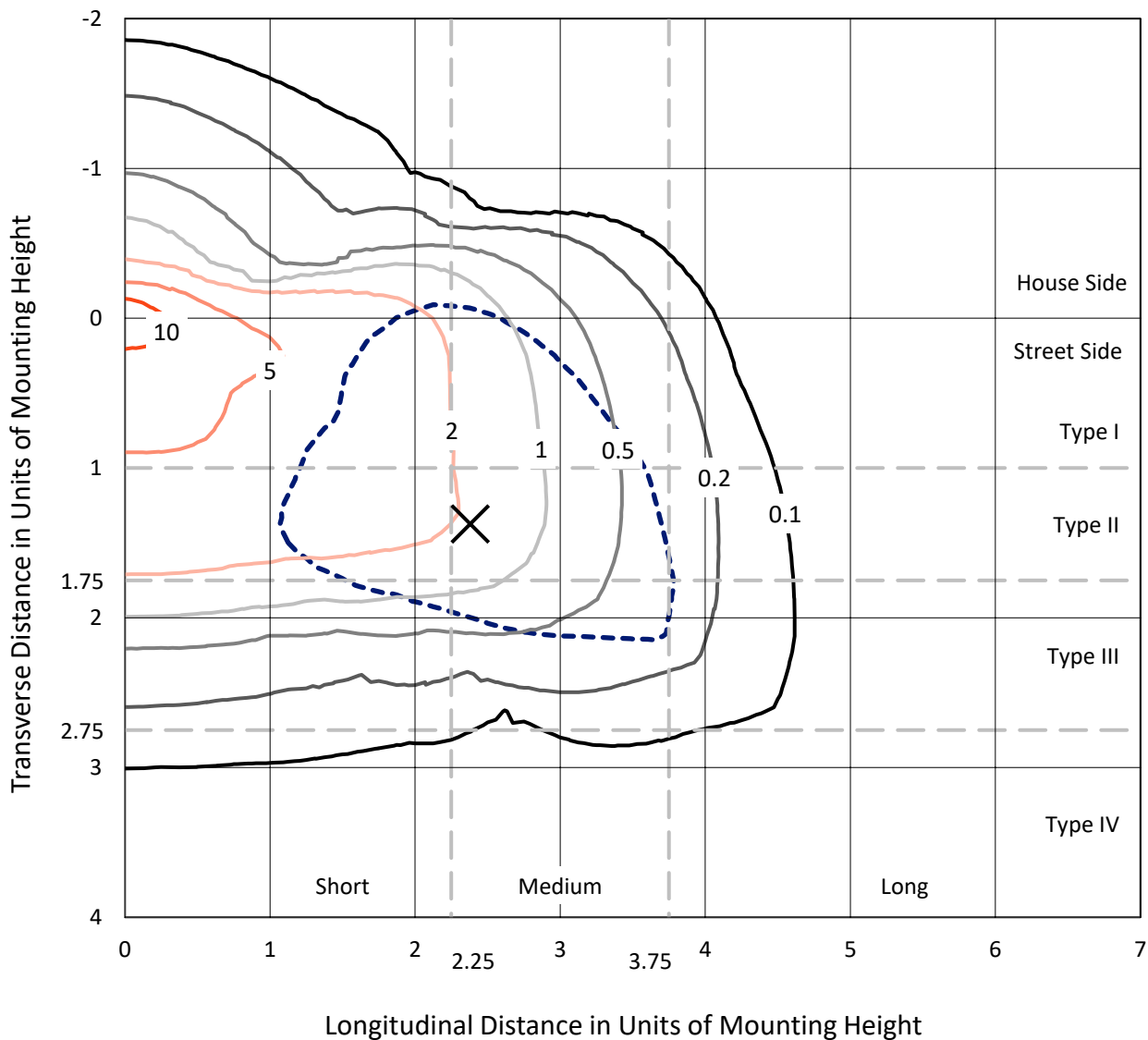
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

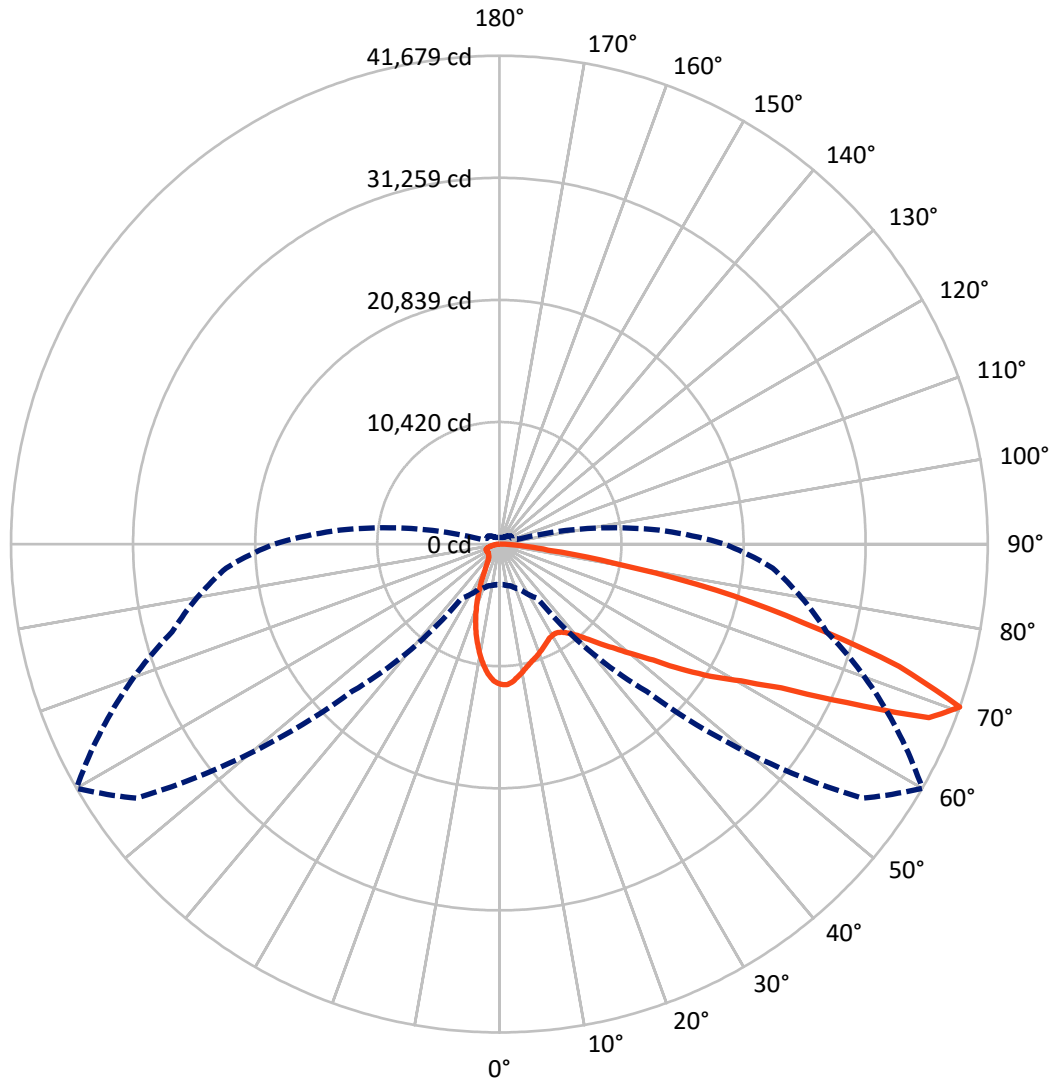
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 13.3 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	7398.5	0.0	7398.5
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	35861.6	0.0	35861.6
	% Fixture	82.9	0.0	82.9
Total	Lumens	43260.1	0.0	43260.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1031.8	2.4
10°-20°	2311.6	5.3
20°-30°	2960.4	6.8
30°-40°	3890.7	9.0
40°-50°	5644.7	13.0
50°-60°	8807.1	20.4
60°-70°	11530.3	26.7
70°-80°	6375.9	14.7
80°-90°	707.6	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°	43260.1	100.0
0°-180°	43260.1	100.0

Coefficient of Utilization



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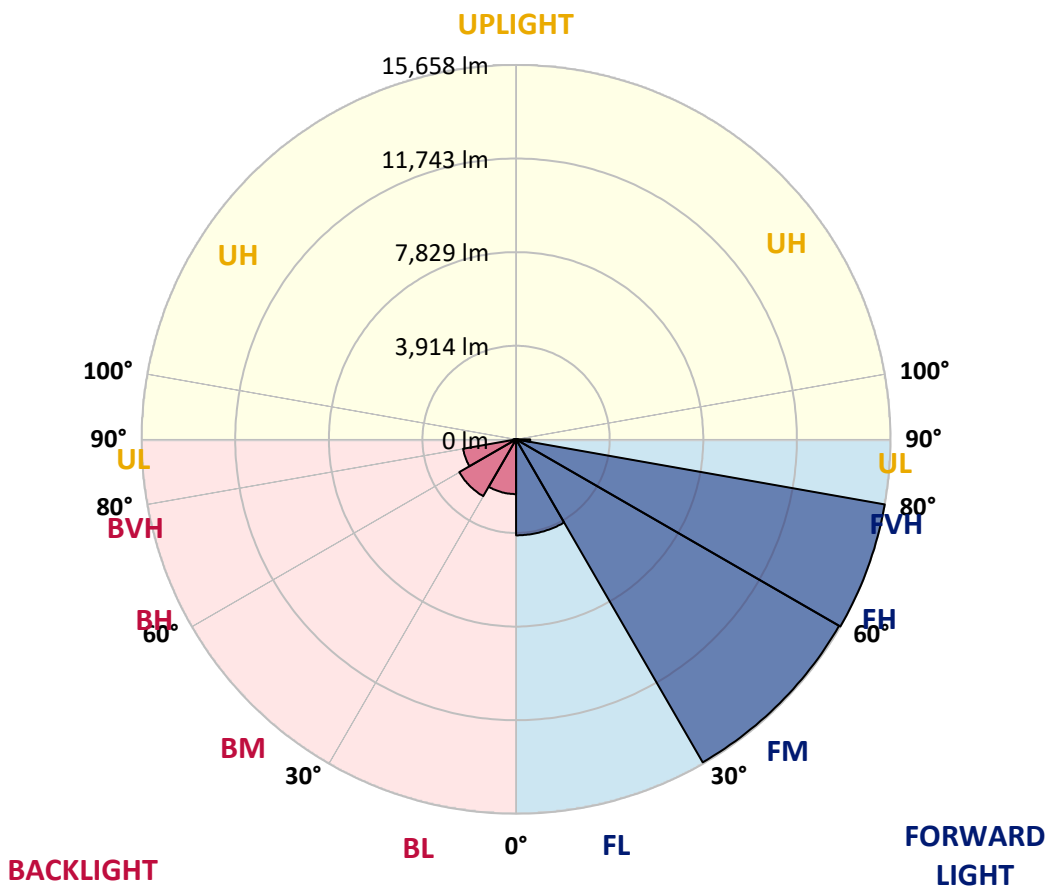
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4014.8	9.3			
FM (30°-60°)	15599.4	36.1			
FH (60°-80°)	15657.8	36.2			G5
FVH (80°-90°)	589.6	1.4			G4/750
BL (0°-30°)	2289.0	5.3	B3/2500		
BM (30°-60°)	2743.1	6.3	B3/5000		
BH (60°-80°)	2248.4	5.2	B3/2500		G3/2500
BVH (80°-90°)	118.0	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°	11970.6	11970.6	11970.6	11970.6	11970.6	11970.6	11970.6	11970.6	11970.6	11970.6	11970.6
2.5°	11802.9	11815.5	11850.4	11901.0	11951.6	11977.0	12040.3	12021.3	12008.6	11983.3	11951.6
5°	11280.6	11305.9	11337.6	11435.7	11546.5	11635.1	11777.6	11793.4	11799.7	11812.4	11761.7
7.5°	10615.9	10622.3	10698.2	10828.0	10973.6	11125.5	11362.9	11429.4	11486.4	11549.7	11508.5
10°	9881.6	9897.5	9954.4	10141.2	10391.2	10615.9	10935.6	11046.4	11166.7	11305.9	11249.0
12.5°	9280.2	9283.4	9375.2	9574.6	9846.8	10150.7	10549.5	10682.4	10840.7	11059.1	11008.4
15°	8802.3	8802.3	8887.8	9058.7	9372.0	9729.7	10204.5	10375.4	10590.6	10885.0	10796.4
17.5°	8422.5	8425.7	8479.5	8659.9	8938.4	9334.1	9897.5	10128.5	10365.9	10755.2	10622.3
20°	8223.1	8207.3	8216.8	8327.5	8564.9	8947.9	9590.4	9859.5	10179.1	10666.6	10464.0
22.5°	8213.6	8185.1	8144.0	8153.4	8292.7	8609.2	9261.3	9587.3	9989.2	10593.8	10302.6
25°	8375.0	8343.4	8270.6	8188.3	8175.6	8365.5	8951.1	9321.4	9793.0	10562.1	10147.5
27.5°	8647.2	8625.1	8530.1	8406.7	8276.9	8270.6	8716.8	9103.0	9650.6	10593.8	10036.7
30°	9008.0	8970.1	8909.9	8751.7	8555.4	8352.9	8625.1	8985.9	9555.6	10695.1	9989.2
32.5°	9416.3	9394.2	9337.2	9179.0	8970.1	8647.2	8697.9	9011.2	9555.6	10872.3	9998.7
35°	9850.0	9846.8	9846.8	9742.4	9511.3	9109.3	8985.9	9226.4	9701.2	11157.2	10100.0
37.5°	10270.9	10267.8	10369.1	10407.0	10144.3	9710.7	9476.5	9656.9	10020.9	11578.1	10350.1
40°	10612.8	10625.4	10847.0	11036.9	10891.3	10489.3	10160.2	10251.9	10540.0	12176.4	10786.9
42.5°	10957.8	10992.6	11324.9	11660.4	11717.4	11369.2	11036.9	11090.7	11283.8	12967.7	11438.9
45°	11334.4	11350.3	11815.5	12284.0	12559.3	12353.6	12081.4	12154.2	12198.5	13945.7	12410.6
47.5°	11698.4	11739.6	12341.0	12983.5	13505.7	13486.7	13334.8	13312.7	13322.2	15135.8	13559.5
50°	12195.4	12255.5	12961.3	13736.8	14502.8	14854.1	14898.4	14730.6	14661.0	16458.8	14990.2
52.5°	13138.6	13138.6	13771.6	14534.4	15563.1	16433.5	16731.0	16455.7	16234.1	17857.8	16509.5
55°	14319.2	14369.8	14873.1	15490.3	16794.3	18095.2	19101.7	18797.9	18171.2	19380.3	18101.5
57.5°	14844.6	14907.9	15705.5	16664.6	18405.4	19984.8	21380.6	21273.0	20358.3	20962.8	19753.8
60°	13895.0	14028.0	15126.3	16734.2	19864.5	23032.9	24017.2	23703.9	22396.7	22624.6	21545.2
62.5°	11590.8	11736.4	12955.0	15199.1	19662.0	26327.8	28173.1	27017.8	24941.4	24723.1	23931.8
65°	6915.9	6909.5	8375.0	11350.3	17164.7	27242.5	34750.3	32594.8	28872.6	27603.3	26387.9
67.5°	4396.4	4386.9	4693.9	6013.8	11423.1	25001.6	38978.9	39539.2	34212.2	29720.8	26590.5
70°	3469.0	3465.8	3687.4	4288.8	5649.8	17791.4	37801.5	41678.8	37437.5	28913.7	23412.7
72.5°	2529.0	2535.3	2877.1	3592.5	4358.4	8932.1	30610.2	35661.8	34433.8	25523.8	19006.8
75°	1816.8	1826.3	2032.0	2750.5	4019.8	4883.8	20355.1	26815.2	26198.0	20459.6	13075.3
77.5°	1155.3	1167.9	1348.4	1927.6	3247.5	3943.8	12341.0	18930.8	17430.5	11527.5	4649.6
80°	705.8	747.0	898.9	1437.0	2595.4	2959.4	6168.9	9973.4	8729.5	3162.0	1563.6
82.5°	364.0	395.6	541.2	889.4	1788.3	2598.6	3491.2	4190.7	2703.0	1323.0	832.4
85°	113.9	132.9	189.9	360.8	851.4	1611.1	2310.6	2082.7	1240.7	623.5	386.1
87.5°	28.5	28.5	31.7	31.7	34.8	72.8	446.3	471.6	329.2	196.2	158.3
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°	11970.6	11970.6	11970.6	11970.6	11970.6	11970.6	11970.6	11970.6	11970.6	11970.6	11970.6
2.5°	11888.3	11812.4	11780.7	11777.6	11698.4	11584.5	11508.5	11454.7	11423.1	11416.7	11416.7
5°	11676.3	11578.1	11448.4	11350.3	11138.2	10923.0	10742.5	10641.3	10524.2	10508.3	10505.2
7.5°	11394.6	11252.1	11005.3	10729.9	10359.6	10001.9	9698.0	9492.3	9286.6	9248.6	9235.9
10°	11090.7	10897.6	10476.7	9992.4	9438.5	8903.6	8438.3	8074.3	7833.8	7662.8	7631.2
12.5°	10790.0	10533.6	9916.4	9194.8	8435.1	7704.0	7004.5	6409.4	5979.0	5728.9	5684.6
15°	10508.3	10150.7	9305.6	8384.5	7397.0	6396.8	5406.1	4633.8	4029.2	3814.0	3763.4
17.5°	10251.9	9805.7	8713.7	7545.7	6314.5	5007.3	3880.5	3193.6	2839.1	2731.5	2706.2
20°	9995.6	9451.2	8112.3	6662.7	5165.5	3700.1	2836.0	2513.1	2380.2	2339.1	2326.4
22.5°	9720.2	9061.8	7457.1	5792.2	4003.9	2769.5	2320.1	2177.6	2136.5	2139.6	2136.5
25°	9444.8	8666.2	6770.3	4845.9	2981.6	2247.3	2025.7	1971.9	1981.4	2009.9	2016.2
27.5°	9216.9	8314.9	6096.1	3807.7	2329.6	1933.9	1829.5	1826.3	1861.1	1899.1	1905.4
30°	9052.4	8001.5	5431.4	2927.8	1918.1	1718.7	1677.5	1696.5	1737.7	1766.2	1775.7
32.5°	8935.2	7732.5	4722.4	2301.1	1680.7	1566.8	1547.8	1566.8	1592.1	1620.6	1626.9
35°	8894.1	7536.2	4026.1	1876.9	1519.3	1456.0	1443.3	1452.8	1465.5	1481.3	1487.6
37.5°	8985.9	7438.1	3298.1	1633.2	1421.2	1383.2	1364.2	1357.9	1361.0	1367.3	1370.5
40°	9258.1	7482.4	2703.0	1490.8	1357.9	1323.0	1291.4	1278.7	1275.6	1281.9	1278.7
42.5°	9726.5	7669.2	2272.6	1408.5	1307.2	1256.6	1221.8	1209.1	1209.1	1224.9	1224.9
45°	10413.4	8036.3	1962.4	1348.4	1262.9	1199.6	1161.6	1155.3	1167.9	1193.3	1196.4
47.5°	11419.9	8574.4	1775.7	1304.0	1221.8	1149.0	1111.0	1107.8	1133.1	1174.3	1177.4
50°	12613.2	9349.9	1674.4	1272.4	1193.3	1107.8	1069.8	1073.0	1101.5	1145.8	1155.3
52.5°	14050.1	10407.0	1680.7	1259.7	1177.4	1082.5	1044.5	1038.2	1066.7	1111.0	1120.5
55°	15534.6	11692.1	1804.1	1262.9	1155.3	1069.8	1019.2	997.0	1022.3	1054.0	1057.2
57.5°	17167.8	13141.7	2111.2	1256.6	1126.8	1057.2	997.0	946.4	962.2	981.2	990.7
60°	19009.9	14847.8	2772.7	1269.2	1114.1	1028.7	952.7	886.2	883.1	895.7	898.9
62.5°	21472.4	17167.8	3516.5	1291.4	1142.6	993.9	886.2	816.6	804.0	810.3	813.4
65°	23355.7	18275.6	3282.3	1272.4	1202.8	968.5	822.9	750.1	724.8	718.5	718.5
67.5°	22589.7	16810.2	2285.2	1221.8	1231.2	971.7	772.3	680.5	648.9	633.0	629.9
70°	19222.0	13654.5	1588.9	1171.1	1199.6	965.4	718.5	623.5	582.4	560.2	557.1
72.5°	15186.4	10426.0	1285.1	1069.8	1088.8	870.4	639.4	560.2	525.4	496.9	496.9
75°	9774.0	6362.0	1073.0	952.7	889.4	677.3	553.9	500.1	465.3	436.8	436.8
77.5°	3288.6	2361.2	832.4	807.1	664.7	509.6	465.3	430.5	402.0	376.7	373.5
80°	1335.7	1120.5	610.9	610.9	465.3	389.3	364.0	348.2	329.2	297.5	297.5
82.5°	775.5	680.5	427.3	370.3	310.2	269.0	253.2	237.4	237.4	215.2	215.2
85°	373.5	376.7	256.4	227.9	177.2	155.1	148.8	139.3	136.1	123.4	120.3
87.5°	202.6	205.7	129.8	101.3	69.6	60.1	50.6	47.5	44.3	41.1	41.1
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)