

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: P643481

Luminaire Tested: GWS-SA6F-722-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643481
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-SAGF-722-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35920.6 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

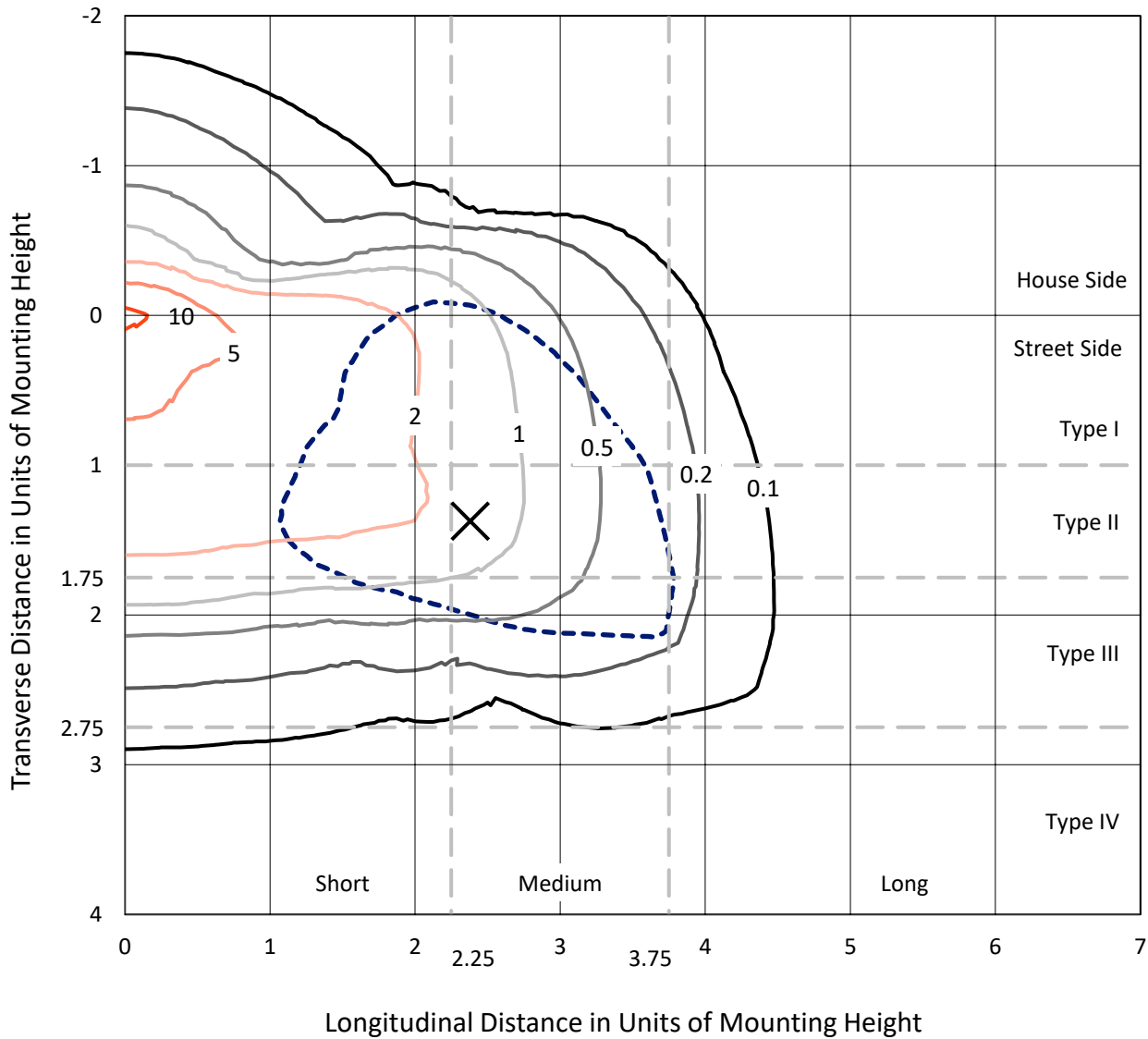
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

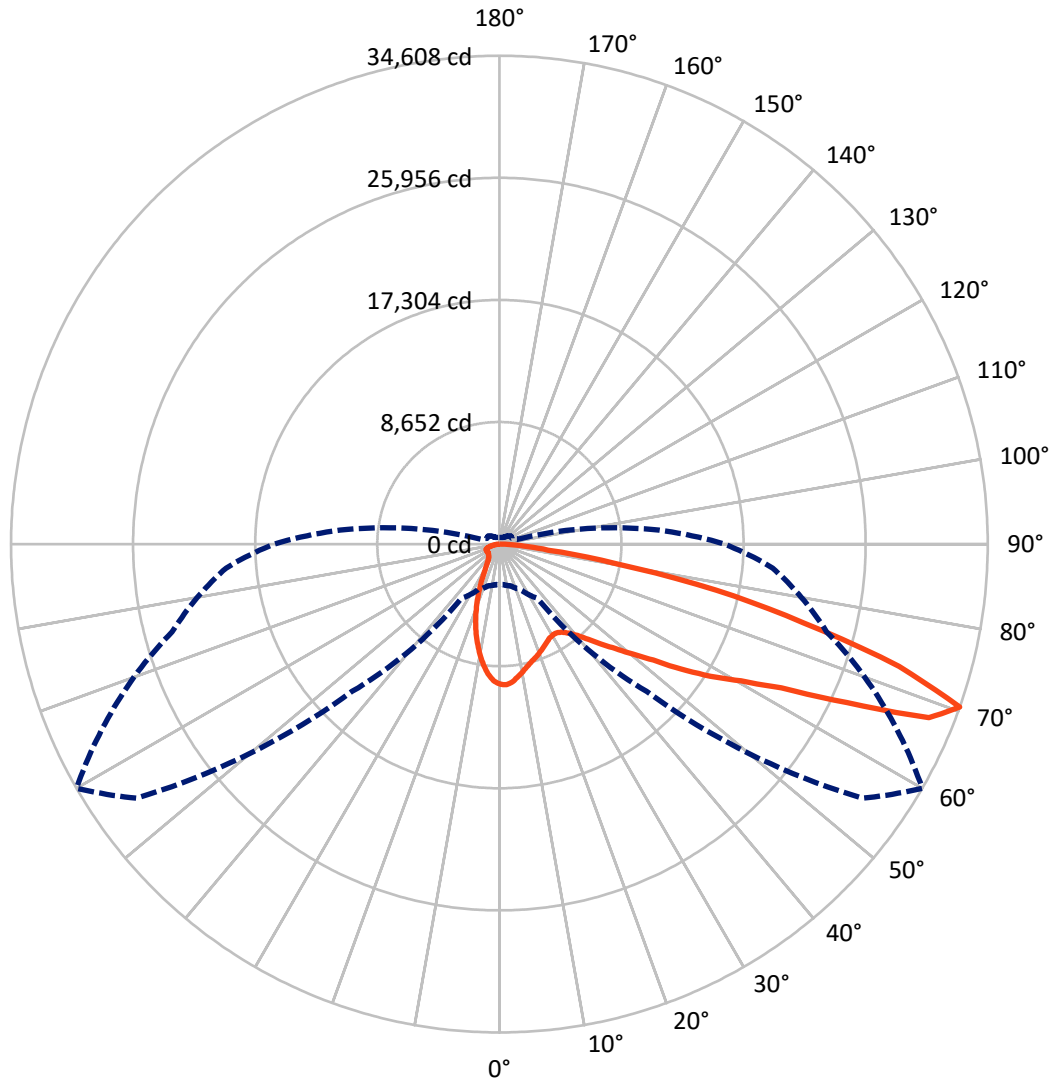
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11 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	6143.3	0.0	6143.3
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	29777.3	0.0	29777.3
	% Fixture	82.9	0.0	82.9
Total	Lumens	35920.6	0.0	35920.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	856.8	2.4
10°-20°	1919.4	5.3
20°-30°	2458.1	6.8
30°-40°	3230.6	9.0
40°-50°	4687.1	13.0
50°-60°	7312.9	20.4
60°-70°	9574.1	26.7
70°-80°	5294.1	14.7
80°-90°	587.5	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°	35920.6	100.0
0°-180°	35920.6	100.0

Coefficient of Utilization



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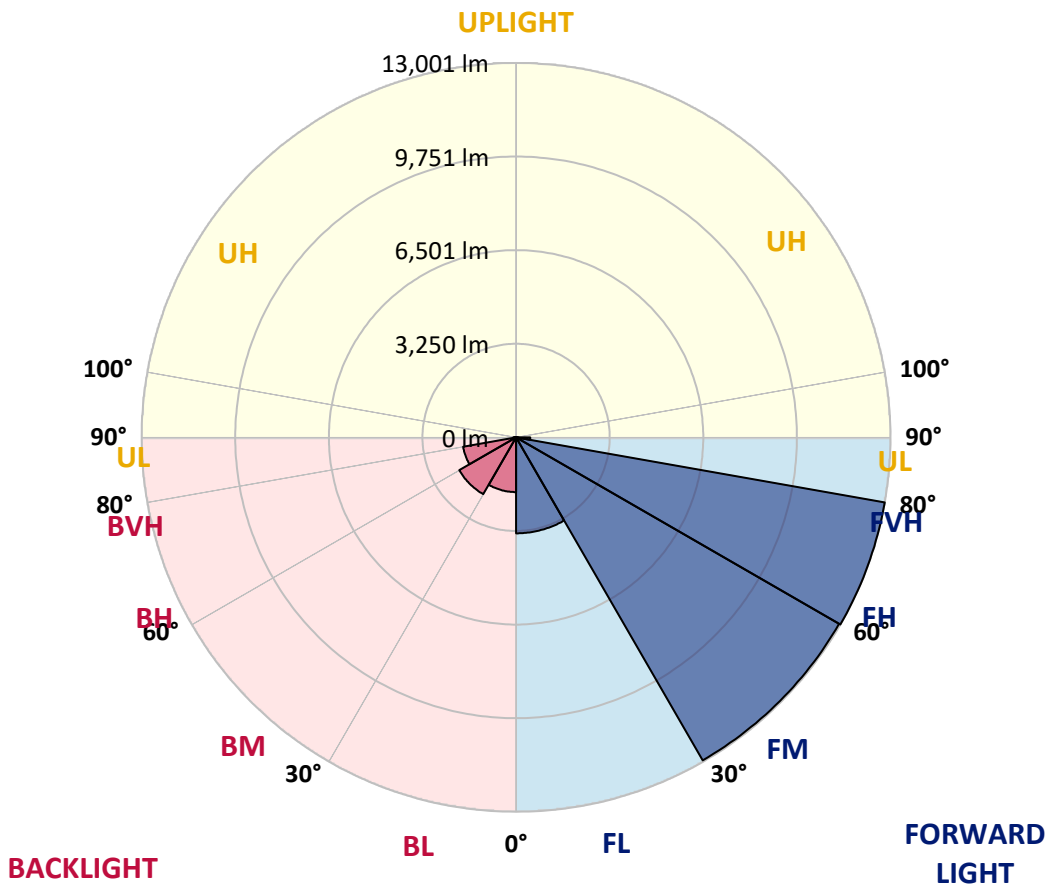
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3333.7	9.3			
FM (30°-60°)	12952.8	36.1			
FH (60°-80°)	13001.3	36.2			G5
FVH (80°-90°)	489.6	1.4			G3/500
BL (0°-30°)	1900.7	5.3	B3/2500		
BM (30°-60°)	2277.7	6.3	B2/2500		
BH (60°-80°)	1866.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	98.0	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-G5

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	9939.7	9939.7	9939.7	9939.7	9939.7	9939.7	9939.7	9939.7	9939.7	9939.7	9939.7
2.5°	9800.4	9810.9	9839.8	9881.9	9923.9	9945.0	9997.5	9981.7	9971.2	9950.2	9923.9
5°	9366.8	9387.8	9414.1	9495.5	9587.5	9661.1	9779.4	9792.5	9797.8	9808.3	9766.2
7.5°	8814.8	8820.1	8883.2	8990.9	9111.8	9238.0	9435.1	9490.3	9537.6	9590.1	9556.0
10°	8205.1	8218.3	8265.6	8420.6	8628.2	8814.8	9080.3	9172.3	9272.1	9387.8	9340.5
12.5°	7705.8	7708.4	7784.6	7950.2	8176.2	8428.5	8759.7	8870.0	9001.4	9182.8	9140.7
15°	7308.9	7308.9	7379.9	7521.8	7782.0	8079.0	8473.2	8615.1	8793.8	9038.2	8964.6
17.5°	6993.5	6996.2	7040.8	7190.6	7421.9	7750.4	8218.3	8410.1	8607.2	8930.5	8820.1
20°	6828.0	6814.8	6822.7	6914.7	7111.8	7429.8	7963.3	8186.7	8452.2	8856.9	8688.7
22.5°	6820.1	6796.4	6762.3	6770.1	6885.8	7148.6	7690.0	7960.7	8294.5	8796.4	8554.7
25°	6954.1	6927.8	6867.4	6799.0	6788.5	6946.2	7432.4	7739.9	8131.5	8770.2	8425.9
27.5°	7180.1	7161.7	7082.9	6980.4	6872.6	6867.4	7237.9	7558.6	8013.3	8796.4	8333.9
30°	7479.7	7448.2	7398.3	7266.9	7103.9	6935.7	7161.7	7461.3	7934.4	8880.5	8294.5
32.5°	7818.8	7800.4	7753.1	7621.7	7448.2	7180.1	7222.2	7482.4	7934.4	9027.7	8302.4
35°	8178.8	8176.2	8176.2	8089.5	7897.6	7563.8	7461.3	7661.1	8055.3	9264.3	8386.5
37.5°	8528.4	8525.7	8609.8	8641.4	8423.2	8063.2	7868.7	8018.5	8320.7	9613.8	8594.1
40°	8812.2	8822.7	9006.7	9164.4	9043.5	8709.7	8436.4	8512.6	8751.8	10110.5	8956.8
42.5°	9098.7	9127.6	9403.6	9682.1	9729.4	9440.3	9164.4	9209.1	9369.4	10767.6	9498.2
45°	9411.4	9424.6	9810.9	10199.9	10428.5	10257.7	10031.7	10092.1	10128.9	11579.7	10305.0
47.5°	9713.7	9747.8	10247.2	10780.7	11214.4	11198.6	11072.4	11054.0	11061.9	12567.9	11259.0
50°	10126.3	10176.2	10762.3	11406.2	12042.2	12333.9	12370.7	12231.4	12173.6	13666.4	12447.0
52.5°	10909.5	10909.5	11435.1	12068.5	12922.7	13645.4	13892.4	13663.8	13479.8	14828.1	13708.5
55°	11889.8	11931.8	12349.7	12862.2	13945.0	15025.2	15860.9	15608.6	15088.3	16092.2	15030.4
57.5°	12326.1	12378.6	13040.9	13837.3	15282.7	16594.2	17753.2	17663.9	16904.3	17406.3	16402.3
60°	11537.6	11648.0	12560.0	13895.1	16494.3	19125.1	19942.5	19682.3	18596.8	18786.1	17889.9
62.5°	9624.3	9745.2	10757.1	12620.4	16326.1	21861.0	23393.2	22434.0	20709.9	20528.5	19871.5
65°	5742.5	5737.3	6954.1	9424.6	14252.5	22620.6	28854.6	27064.8	23974.1	22920.2	21911.0
67.5°	3650.5	3642.6	3897.6	4993.5	9485.0	20759.8	32365.8	32831.0	28407.8	24678.4	22079.2
70°	2880.5	2877.8	3061.8	3561.2	4691.3	14772.9	31388.1	34607.6	31085.9	24008.2	19440.5
72.5°	2099.9	2105.2	2389.0	2983.0	3619.0	7416.7	25416.9	29611.5	28591.7	21193.5	15782.1
75°	1508.6	1516.4	1687.3	2283.9	3337.8	4055.2	16901.7	22265.8	21753.3	16988.4	10856.9
77.5°	959.3	969.8	1119.6	1600.5	2696.5	3274.7	10247.2	15719.0	14473.3	9571.8	3860.8
80°	586.1	620.2	746.4	1193.2	2155.1	2457.3	5122.3	8281.3	7248.5	2625.5	1298.3
82.5°	302.2	328.5	449.4	738.5	1484.9	2157.7	2898.9	3479.7	2244.4	1098.6	691.2
85°	94.6	110.4	157.7	299.6	707.0	1337.7	1918.6	1729.3	1030.2	517.7	320.6
87.5°	23.7	23.7	26.3	26.3	28.9	60.4	370.6	391.6	273.3	162.9	131.4
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°	9939.7	9939.7	9939.7	9939.7	9939.7	9939.7	9939.7	9939.7	9939.7	9939.7	9939.7
2.5°	9871.4	9808.3	9782.0	9779.4	9713.7	9619.1	9556.0	9511.3	9485.0	9479.8	9479.8
5°	9695.3	9613.8	9506.0	9424.6	9248.5	9069.8	8920.0	8835.9	8738.6	8725.5	8722.9
7.5°	9461.4	9343.1	9138.1	8909.5	8602.0	8305.0	8052.7	7881.8	7711.0	7679.5	7669.0
10°	9209.1	9048.7	8699.2	8297.1	7837.2	7393.0	7006.7	6704.4	6504.7	6362.8	6336.5
12.5°	8959.4	8746.5	8234.0	7634.8	7004.0	6396.9	5816.1	5322.0	4964.6	4757.0	4720.2
15°	8725.5	8428.5	7726.8	6962.0	6142.0	5311.5	4488.9	3847.6	3345.6	3166.9	3124.9
17.5°	8512.6	8142.0	7235.3	6265.5	5243.2	4157.7	3222.1	2651.8	2357.5	2268.1	2247.1
20°	8299.7	7847.7	6736.0	5532.3	4289.2	3072.3	2354.8	2086.8	1976.4	1942.2	1931.7
22.5°	8071.1	7524.4	6191.9	4809.5	3324.6	2299.6	1926.4	1808.2	1774.0	1776.6	1774.0
25°	7842.4	7195.9	5621.6	4023.7	2475.7	1866.0	1682.0	1637.3	1645.2	1668.9	1674.1
27.5°	7653.2	6904.2	5061.8	3161.7	1934.3	1605.8	1519.1	1516.4	1545.4	1576.9	1582.2
30°	7516.5	6644.0	4509.9	2431.0	1592.7	1427.1	1392.9	1408.7	1442.9	1466.5	1474.4
32.5°	7419.3	6420.6	3921.2	1910.7	1395.6	1300.9	1285.2	1300.9	1322.0	1345.6	1350.9
35°	7385.1	6257.6	3343.0	1558.5	1261.5	1209.0	1198.4	1206.3	1216.8	1230.0	1235.2
37.5°	7461.3	6176.2	2738.5	1356.1	1180.0	1148.5	1132.7	1127.5	1130.1	1135.4	1138.0
40°	7687.4	6213.0	2244.4	1237.9	1127.5	1098.6	1072.3	1061.8	1059.1	1064.4	1061.8
42.5°	8076.3	6368.0	1887.0	1169.5	1085.4	1043.4	1014.5	1004.0	1004.0	1017.1	1017.1
45°	8646.6	6672.9	1629.5	1119.6	1048.6	996.1	964.5	959.3	969.8	990.8	993.4
47.5°	9482.4	7119.7	1474.4	1082.8	1014.5	954.0	922.5	919.9	940.9	975.0	977.7
50°	10473.2	7763.6	1390.3	1056.5	990.8	919.9	888.3	890.9	914.6	951.4	959.3
52.5°	11666.4	8641.4	1395.6	1046.0	977.7	898.8	867.3	862.0	885.7	922.5	930.4
55°	12899.0	9708.4	1498.1	1048.6	959.3	888.3	846.3	827.9	848.9	875.2	877.8
57.5°	14255.1	10912.1	1753.0	1043.4	935.6	877.8	827.9	785.8	799.0	814.7	822.6
60°	15784.7	12328.7	2302.3	1053.9	925.1	854.2	791.1	735.9	733.3	743.8	746.4
62.5°	17829.4	14255.1	2919.9	1072.3	948.8	825.2	735.9	678.1	667.6	672.8	675.4
65°	19393.2	15175.0	2725.4	1056.5	998.7	804.2	683.3	622.9	601.8	596.6	596.6
67.5°	18757.2	13958.1	1897.5	1014.5	1022.4	806.8	641.3	565.1	538.8	525.6	523.0
70°	15960.8	11337.9	1319.3	972.4	996.1	801.6	596.6	517.7	483.6	465.2	462.6
72.5°	12609.9	8657.2	1067.0	888.3	904.1	722.7	530.9	465.2	436.3	412.6	412.6
75°	8115.8	5282.6	890.9	791.1	738.5	562.4	459.9	415.2	386.3	362.7	362.7
77.5°	2730.7	1960.6	691.2	670.2	551.9	423.1	386.3	357.4	333.8	312.8	310.1
80°	1109.1	930.4	507.2	507.2	386.3	323.3	302.2	289.1	273.3	247.0	247.0
82.5°	643.9	565.1	354.8	307.5	257.6	223.4	210.3	197.1	197.1	178.7	178.7
85°	310.1	312.8	212.9	189.2	147.2	128.8	123.5	115.6	113.0	102.5	99.9
87.5°	168.2	170.8	107.8	84.1	57.8	49.9	42.1	39.4	36.8	34.2	34.2
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)