

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: P643327

Luminaire Tested: GWS-SA6E-760-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643327
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-760-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45080.2 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B5 - U0 - G5

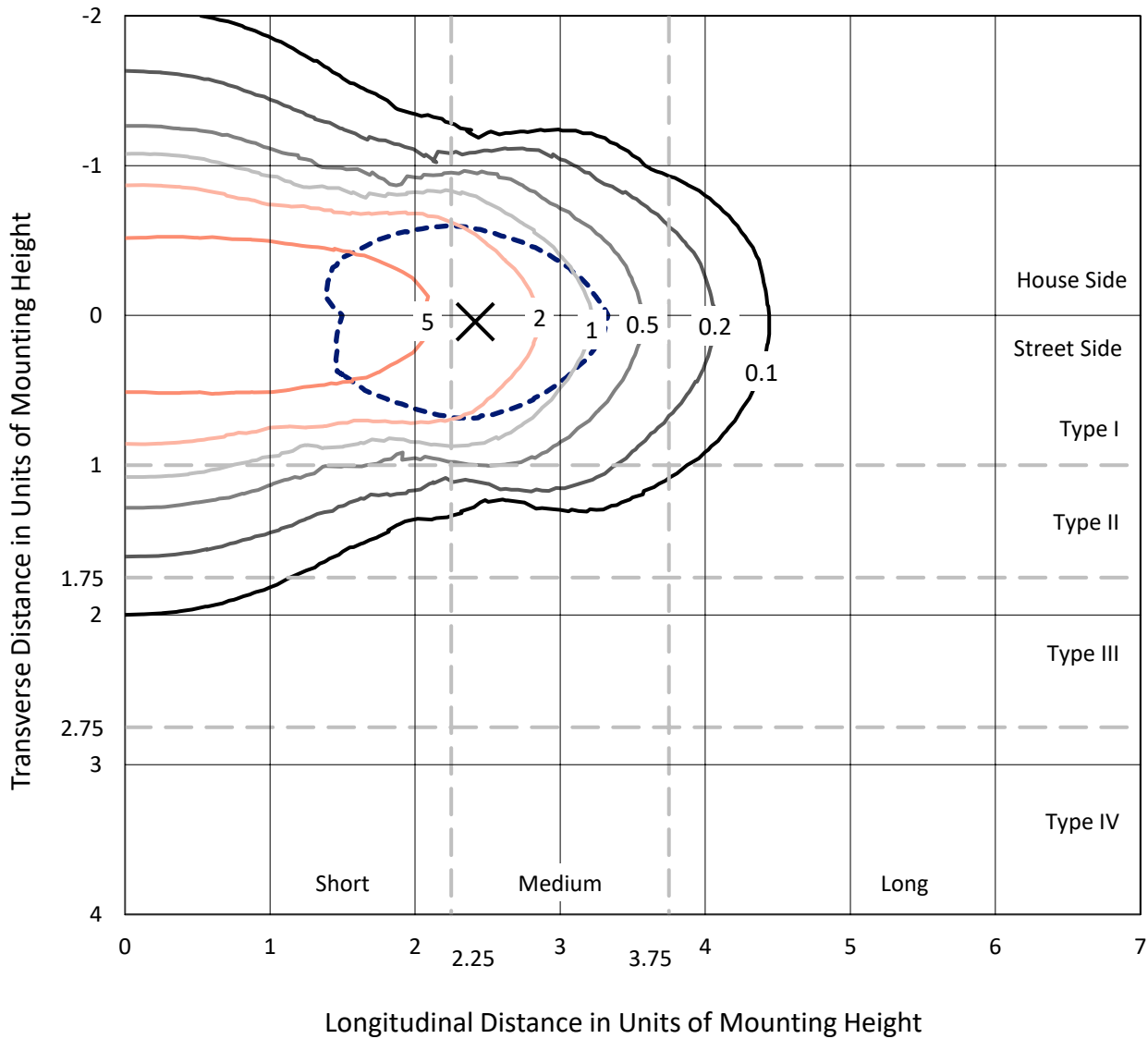
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

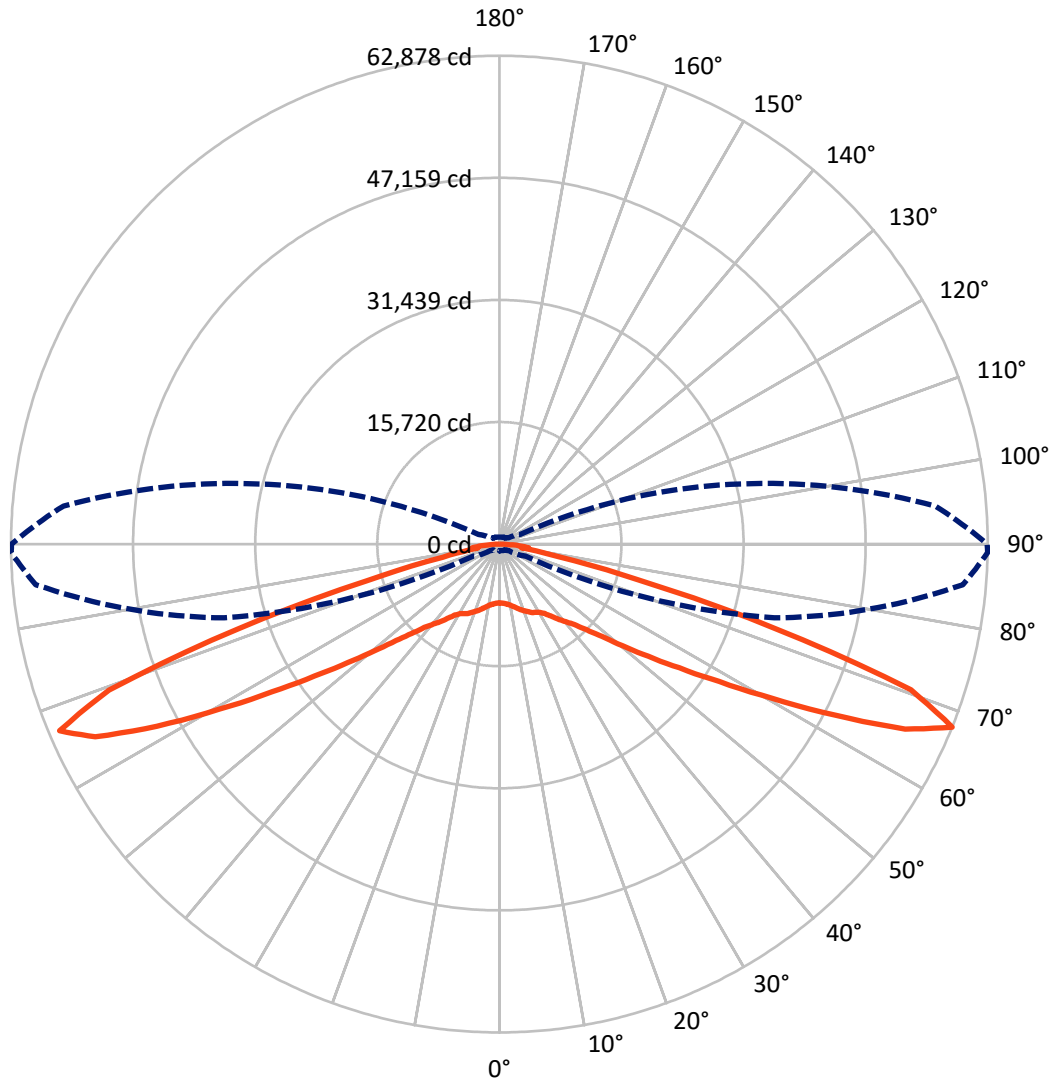
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.2 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22342.5	0.0	22342.5
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	22737.7	0.0	22737.7
	% Fixture	50.4	0.0	50.4
Total	Lumens	45080.2	0.0	45080.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	759.0	1.7
10°-20°	2471.3	5.5
20°-30°	4177.6	9.3
30°-40°	5733.2	12.7
40°-50°	7311.1	16.2
50°-60°	9173.0	20.3
60°-70°	11063.4	24.5
70°-80°	4002.4	8.9
80°-90°	389.2	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°	45080.2	100.0
0°-180°	45080.2	100.0

Coefficient of Utilization



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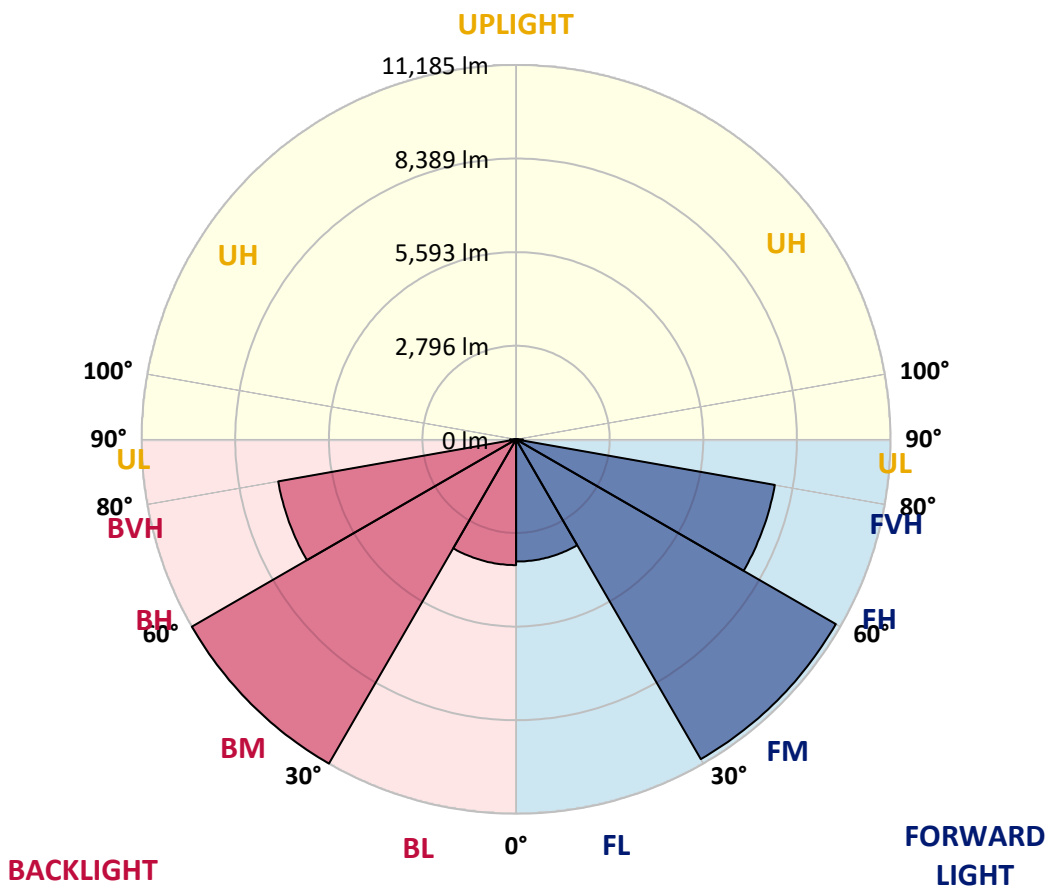
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3651.2	8.1			
FM (30°-60°)	11032.0	24.5			
FH (60°-80°)	7849.1	17.4			G4/12000
FVH (80°-90°)	205.4	0.5			G2/225
BL (0°-30°)	3756.7	8.3	B4/5000		
BM (30°-60°)	11185.3	24.8	B5		
BH (60°-80°)	7216.6	16.0	B5		G5
BVH (80°-90°)	183.8	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	7566.3	7566.3	7566.3	7566.3	7566.3	7566.3	7566.3	7566.3	7566.3	7566.3	7566.3
2.5°	7589.0	7582.5	7566.3	7614.9	7605.2	7608.4	7627.9	7614.9	7592.2	7553.4	7608.4
5°	7802.7	7799.5	7763.8	7793.0	7760.6	7737.9	7734.7	7702.3	7676.4	7634.3	7692.6
7.5°	8009.9	8006.7	7977.5	8029.3	8003.4	7977.5	7948.4	7883.6	7822.1	7760.6	7825.4
10°	8168.5	8165.3	8158.8	8233.3	8239.8	8249.5	8236.5	8126.5	8019.6	7945.2	8009.9
12.5°	8259.2	8268.9	8285.1	8421.1	8489.1	8553.8	8570.0	8479.4	8301.3	8194.4	8272.2
15°	8197.7	8217.1	8298.1	8544.1	8731.9	8877.6	8939.1	8864.6	8634.8	8456.7	8544.1
17.5°	7903.1	7919.3	8077.9	8453.5	8867.9	9204.6	9305.0	9259.6	9003.9	8786.9	8871.1
20°	7495.1	7530.7	7702.3	8226.8	8845.2	9431.2	9699.9	9683.8	9405.3	9071.8	9172.2
22.5°	7126.0	7168.1	7349.4	7929.0	8693.0	9489.5	10098.2	10140.3	9771.2	9356.8	9437.7
25°	6711.6	6750.5	6983.6	7576.1	8430.8	9444.2	10438.1	10629.1	10185.6	9683.8	9758.2
27.5°	6287.5	6316.6	6546.5	7177.8	8087.6	9360.0	10706.9	11166.6	10593.5	9910.4	9962.2
30°	5915.2	5954.0	6164.5	6779.6	7712.0	9191.6	10927.0	11739.7	11063.0	10166.2	10208.3
32.5°	5555.8	5588.2	5818.0	6387.8	7313.8	8932.6	11124.5	12413.1	11759.1	10642.1	10642.1
35°	5102.5	5160.8	5419.8	6012.3	6938.2	8589.4	11267.0	13196.6	12710.9	11344.7	11347.9
37.5°	4684.9	4717.2	4989.2	5588.2	6543.3	8200.9	11279.9	14009.2	13915.3	12238.3	12244.7
40°	4208.9	4251.0	4542.4	5134.9	6090.0	7793.0	11156.9	14766.8	15178.0	13157.7	13122.1
42.5°	3726.5	3788.0	4066.5	4646.0	5601.1	7294.4	10829.9	15488.8	16780.7	14222.9	14135.5
45°	3260.3	3299.1	3577.6	4124.7	5041.0	6698.7	10305.4	16181.7	18684.4	15841.7	15715.5
47.5°	2735.8	2752.0	3040.1	3564.6	4461.5	6034.9	9554.3	16800.1	20775.9	17985.1	17768.1
50°	2269.6	2292.2	2518.9	2968.9	3752.4	5248.2	8618.6	17162.7	23440.5	20908.6	20533.1
52.5°	1835.7	1858.4	2039.7	2399.1	3101.7	4351.4	7459.5	17078.5	26143.9	24538.0	23990.9
55°	1482.8	1499.0	1622.1	1903.7	2441.2	3461.0	6090.0	16324.1	29145.2	29277.9	28099.4
57.5°	1253.0	1259.4	1343.6	1515.2	1907.0	2667.8	4701.0	14543.4	32292.2	35325.8	33389.7
60°	1120.2	1123.5	1162.3	1269.2	1505.5	2036.5	3444.8	11707.3	35552.4	42892.2	40237.3
62.5°	1036.0	1036.0	1068.4	1129.9	1249.7	1567.0	2531.8	8408.1	37893.3	51125.5	48486.8
65°	955.1	955.1	977.8	1029.6	1094.3	1278.9	1900.5	5423.0	39042.6	58008.7	57422.7
67.5°	851.5	854.7	870.9	926.0	984.2	1068.4	1440.7	3668.2	36656.5	59912.4	62878.1
70°	754.4	757.6	780.3	815.9	864.4	922.7	1126.7	2528.6	26681.3	49898.4	56221.5
72.5°	647.5	660.5	676.7	715.5	744.7	786.7	919.5	1638.2	15524.5	32097.9	37164.8
75°	531.0	547.2	566.6	605.4	624.9	641.1	757.6	1168.8	7469.2	16265.9	18522.5
77.5°	411.2	427.4	450.0	485.6	498.6	518.0	579.5	845.0	3577.6	7210.2	7773.6
80°	275.2	281.7	301.1	343.2	365.9	378.8	427.4	576.3	1554.1	2894.4	2868.5
82.5°	168.4	171.6	178.1	204.0	213.7	226.6	278.4	352.9	741.4	3289.4	3771.8
85°	61.5	58.3	55.0	71.2	84.2	97.1	129.5	178.1	323.8	2259.9	2528.6
87.5°	0.0	0.0	0.0	3.2	6.5	6.5	13.0	25.9	77.7	845.0	579.5
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°	7566.3	7566.3	7566.3	7566.3	7566.3	7566.3	7566.3	7566.3	7566.3	7566.3	7566.3
2.5°	7592.2	7556.6	7602.0	7634.3	7705.6	7731.5	7737.9	7715.3	7715.3	7676.4	7682.9
5°	7679.7	7657.0	7731.5	7786.5	7890.1	7929.0	7954.9	7938.7	7948.4	7922.5	7929.0
7.5°	7812.4	7793.0	7922.5	8029.3	8136.2	8181.5	8204.2	8191.2	8194.4	8162.1	8171.8
10°	7997.0	8003.4	8158.8	8298.1	8440.5	8485.8	8495.5	8456.7	8424.3	8366.0	8369.3
12.5°	8249.5	8281.9	8502.0	8657.4	8803.1	8867.9	8796.6	8654.2	8521.5	8421.1	8408.1
15°	8524.7	8583.0	8900.3	9097.7	9256.4	9224.0	9013.6	8693.0	8430.8	8281.9	8252.7
17.5°	8854.9	8942.3	9340.6	9576.9	9712.9	9505.7	9065.4	8586.2	8220.4	8019.6	7980.8
20°	9165.7	9305.0	9806.8	10114.4	10130.6	9664.3	9042.7	8369.3	7909.5	7663.5	7611.7
22.5°	9450.7	9628.7	10295.7	10687.4	10477.0	9735.6	8903.5	8061.7	7534.0	7245.8	7200.5
25°	9761.5	10014.0	10865.5	11231.3	10823.4	9706.4	8612.1	7679.7	7080.7	6786.1	6753.7
27.5°	9975.1	10292.4	11438.6	11788.2	11108.3	9541.3	8236.5	7262.0	6666.3	6387.8	6342.5
30°	10221.2	10625.9	12069.9	12393.7	11283.2	9298.5	7835.1	6873.5	6281.0	5979.9	5947.5
32.5°	10668.0	11176.3	12853.4	13034.7	11338.2	8997.4	7449.8	6497.9	5879.5	5578.4	5533.1
35°	11386.8	11982.5	13954.2	13750.2	11296.1	8667.1	7083.9	6057.6	5468.4	5186.7	5141.4
37.5°	12293.3	13034.7	15181.3	14394.5	11179.5	8304.5	6650.1	5688.5	5099.3	4814.4	4788.5
40°	13138.3	14051.3	16557.3	14951.4	10943.2	7857.7	6232.4	5303.2	4701.0	4399.9	4341.7
42.5°	14197.0	15411.1	18150.2	15433.8	10554.7	7323.5	5763.0	4827.3	4202.4	3930.5	3859.3
45°	15806.1	17314.9	20002.1	15896.8	9975.1	6666.3	5173.7	4247.8	3655.3	3376.9	3321.8
47.5°	17813.5	19694.5	22009.4	16172.0	9094.5	5973.4	4506.8	3635.9	3043.4	2729.3	2703.4
50°	20633.4	23155.6	24162.5	16123.4	8110.3	5151.1	3755.7	2907.4	2412.0	2185.4	2149.8
52.5°	24068.6	27500.5	26490.3	15540.6	7064.5	4215.4	2926.8	2282.5	1913.4	1751.6	1722.4
55°	28377.9	32703.3	28941.2	14290.9	5743.6	3227.9	2298.7	1800.1	1547.6	1450.5	1437.5
57.5°	33713.5	39440.8	31301.4	12186.5	4319.0	2463.8	1771.0	1486.1	1366.3	1308.0	1304.8
60°	40755.3	46592.8	33350.9	9470.1	3091.9	1884.3	1463.4	1327.4	1233.5	1194.7	1191.4
62.5°	49127.8	53087.5	34626.5	6449.4	2324.6	1502.3	1288.6	1204.4	1149.4	1126.7	1123.5
65°	57733.5	57192.8	34017.8	4225.1	1764.5	1275.6	1155.8	1110.5	1061.9	1039.3	1039.3
67.5°	62816.6	56325.1	29345.9	2933.3	1398.7	1120.2	1042.5	1000.4	919.5	900.1	900.1
70°	55638.7	45640.9	19234.8	2146.6	1133.2	981.0	906.5	848.3	815.9	796.5	793.2
72.5°	36798.9	29698.8	10227.7	1489.3	945.4	835.3	767.3	744.7	705.8	686.4	683.1
75°	18315.3	15598.9	5241.7	1074.9	786.7	670.2	641.1	631.3	599.0	573.1	566.6
77.5°	7634.3	6944.7	2444.4	780.3	599.0	540.7	514.8	514.8	479.2	450.0	437.1
80°	2878.3	2564.2	1155.8	534.2	443.6	401.5	385.3	372.3	343.2	307.6	288.1
82.5°	3849.5	2515.6	566.6	333.5	291.4	259.0	236.3	226.6	210.4	194.3	181.3
85°	2493.0	1787.2	255.8	171.6	145.7	110.1	97.1	90.7	80.9	71.2	64.8
87.5°	508.3	599.0	77.7	32.4	19.4	9.7	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)