

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: P642271

Luminaire Tested: GWS-SA6C-750-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642271
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-SA6C-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: 28459.3 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

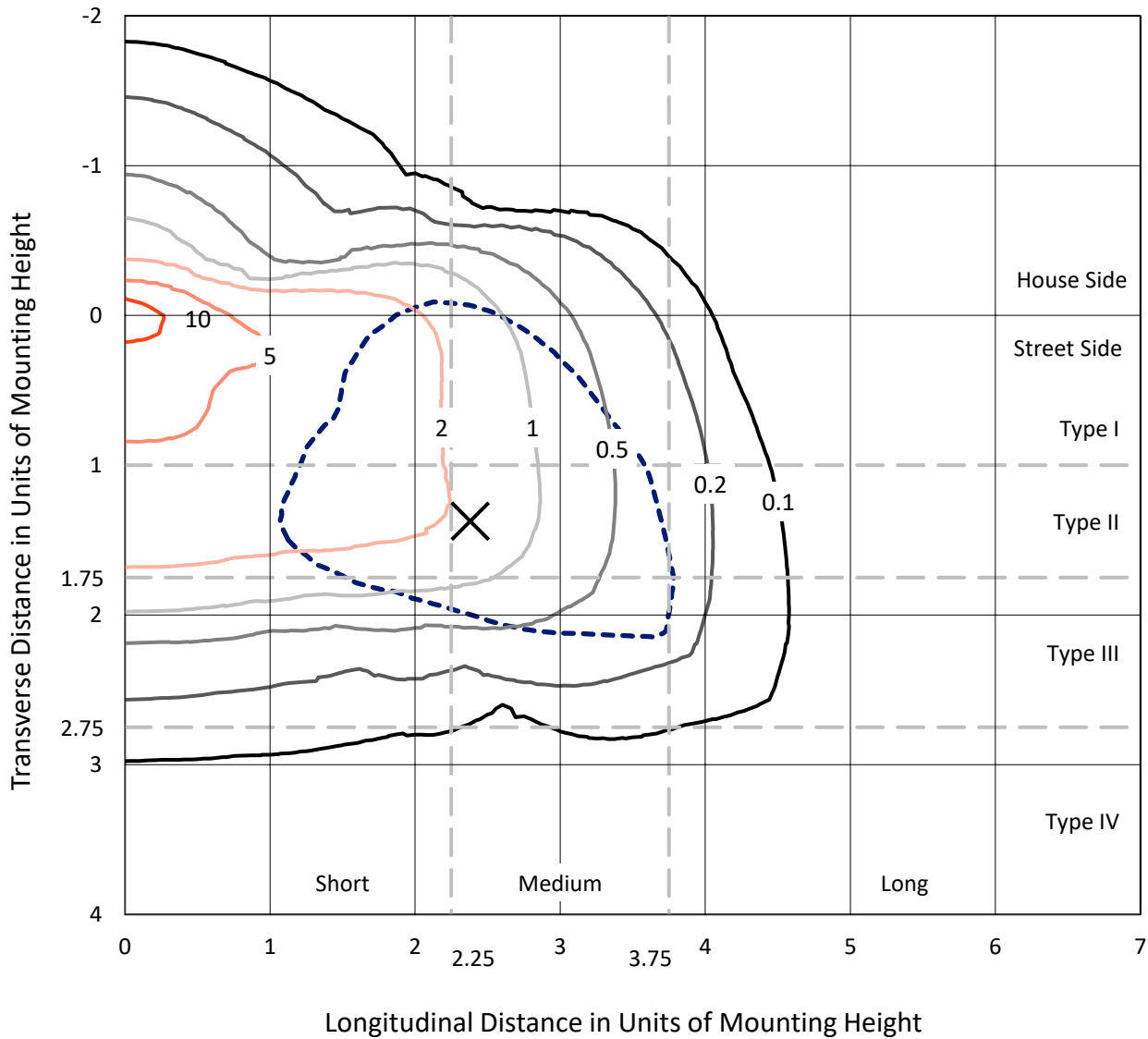
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

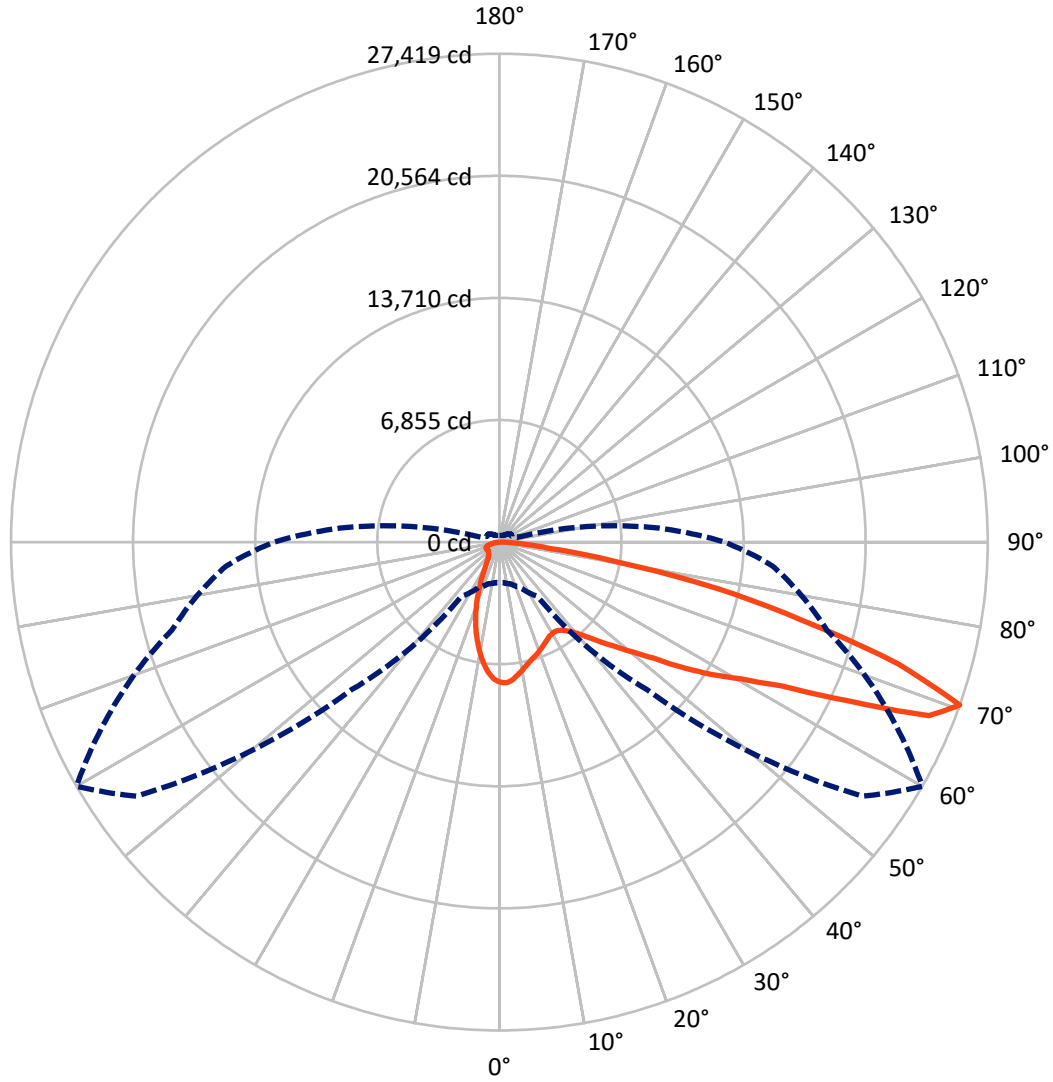
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 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	4867.2	0.0	4867.2
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	23592.1	0.0	23592.1
	% Fixture	82.9	0.0	82.9
Total	Lumens	28459.3	0.0	28459.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	678.8	2.4
10°-20°	1520.7	5.3
20°-30°	1947.6	6.8
30°-40°	2559.5	9.0
40°-50°	3713.5	13.0
50°-60°	5793.9	20.4
60°-70°	7585.4	26.7
70°-80°	4194.5	14.7
80°-90°	465.5	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°	28459.3	100.0
0°-180°	28459.3	100.0

Coefficient of Utilization



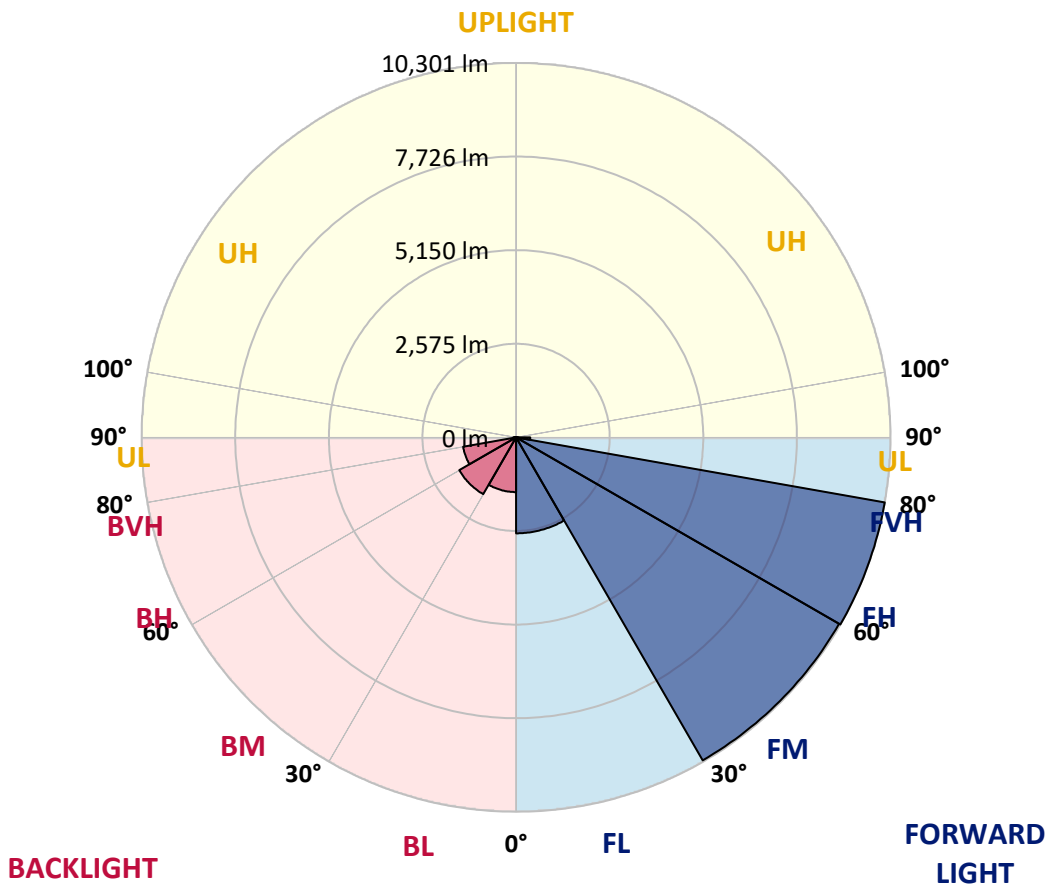
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2641.2	9.3			
FM (30°-60°)	10262.3	36.1			
FH (60°-80°)	10300.7	36.2			G4/12000
FVH (80°-90°)	387.9	1.4			G3/500
BL (0°-30°)	1505.9	5.3	B3/2500		
BM (30°-60°)	1804.6	6.3	B2/2500		
BH (60°-80°)	1479.1	5.2	B3/2500		G3/2500
BVH (80°-90°)	77.6	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-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	7875.1	7875.1	7875.1	7875.1	7875.1	7875.1	7875.1	7875.1	7875.1	7875.1	7875.1
2.5°	7764.7	7773.0	7795.9	7829.2	7862.6	7879.2	7920.9	7908.4	7900.0	7883.4	7862.6
5°	7421.1	7437.8	7458.6	7523.2	7596.0	7654.3	7748.0	7758.5	7762.6	7770.9	7737.6
7.5°	6983.9	6988.0	7038.0	7123.4	7219.1	7319.1	7475.3	7519.0	7556.5	7598.1	7571.0
10°	6500.8	6511.2	6548.7	6671.5	6836.0	6983.9	7194.2	7267.0	7346.2	7437.8	7400.3
12.5°	6105.1	6107.2	6167.6	6298.8	6477.9	6677.8	6940.1	7027.6	7131.7	7275.4	7242.1
15°	5790.7	5790.7	5846.9	5959.4	6165.5	6400.8	6713.2	6825.6	6967.2	7160.8	7102.5
17.5°	5540.9	5542.9	5578.3	5697.0	5880.3	6140.5	6511.2	6663.2	6819.4	7075.5	6988.0
20°	5409.7	5399.3	5405.5	5478.4	5634.6	5886.5	6309.2	6486.2	6696.5	7017.2	6883.9
22.5°	5403.4	5384.7	5357.6	5363.9	5455.5	5663.7	6092.7	6307.1	6571.6	6969.3	6777.7
25°	5509.6	5488.8	5440.9	5386.8	5378.4	5503.4	5888.6	6132.2	6442.5	6948.5	6675.7
27.5°	5688.7	5674.1	5611.7	5530.4	5445.1	5440.9	5734.5	5988.5	6348.8	6969.3	6602.8
30°	5926.1	5901.1	5861.5	5757.4	5628.3	5495.0	5674.1	5911.5	6286.3	7035.9	6571.6
32.5°	6194.7	6180.1	6142.6	6038.5	5901.1	5688.7	5722.0	5928.2	6286.3	7152.5	6577.8
35°	6480.0	6477.9	6477.9	6409.2	6257.2	5992.7	5911.5	6069.7	6382.1	7339.9	6644.4
37.5°	6756.9	6754.8	6821.4	6846.4	6673.6	6388.3	6234.2	6352.9	6592.4	7616.9	6808.9
40°	6981.8	6990.1	7135.9	7260.8	7165.0	6900.6	6684.0	6744.4	6933.9	8010.4	7096.3
42.5°	7208.7	7231.6	7450.3	7671.0	7708.5	7479.4	7260.8	7296.2	7423.2	8531.0	7525.2
45°	7456.5	7466.9	7773.0	8081.2	8262.4	8127.0	7947.9	7995.8	8025.0	9174.4	8164.5
47.5°	7696.0	7723.1	8118.7	8541.4	8884.9	8872.5	8772.5	8757.9	8764.2	9957.3	8920.3
50°	8022.9	8062.5	8526.8	9037.0	9540.9	9772.0	9801.1	9690.8	9645.0	10827.7	9861.5
52.5°	8643.4	8643.4	9059.9	9561.7	10238.4	10811.0	11006.8	10825.6	10679.8	11748.0	10861.0
55°	9420.1	9453.4	9784.5	10190.5	11048.4	11904.2	12566.4	12366.5	11954.2	12749.6	11908.4
57.5°	9765.7	9807.4	10332.1	10963.0	12108.3	13147.3	14065.6	13994.8	13393.0	13790.7	12995.3
60°	9141.1	9228.5	9951.1	11008.8	13068.2	15152.5	15800.1	15593.9	14734.0	14883.9	14173.9
62.5°	7625.2	7721.0	8522.6	9998.9	12934.9	17320.1	18534.1	17774.1	16408.1	16264.4	15743.9
65°	4549.7	4545.5	5509.6	7466.9	11292.0	17921.9	22861.0	21443.0	18994.3	18159.3	17359.7
67.5°	2892.2	2886.0	3088.0	3956.3	7514.8	16447.7	25642.9	26011.4	22507.0	19552.3	17493.0
70°	2282.1	2280.1	2425.8	2821.4	3716.8	11704.3	24868.3	27419.0	24628.8	19021.3	15402.4
72.5°	1663.7	1667.9	1892.8	2363.3	2867.3	5876.1	20137.4	23460.7	22652.8	16791.2	12503.9
75°	1195.2	1201.5	1336.8	1809.5	2644.5	3212.9	13390.9	17640.8	17234.8	13459.6	8601.8
77.5°	760.0	768.3	887.0	1268.1	2136.4	2594.5	8118.7	12453.9	11466.9	7583.5	3058.8
80°	464.3	491.4	591.4	945.3	1707.4	1946.9	4058.3	6561.2	5742.8	2080.2	1028.6
82.5°	239.5	260.3	356.1	585.1	1176.5	1709.5	2296.7	2756.9	1778.2	870.4	547.6
85°	75.0	87.5	124.9	237.4	560.1	1059.9	1520.0	1370.1	816.2	410.2	254.0
87.5°	18.7	18.7	20.8	20.8	22.9	47.9	293.6	310.3	216.6	129.1	104.1
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°	7875.1	7875.1	7875.1	7875.1	7875.1	7875.1	7875.1	7875.1	7875.1	7875.1	7875.1
2.5°	7820.9	7770.9	7750.1	7748.0	7696.0	7621.0	7571.0	7535.7	7514.8	7510.7	7510.7
5°	7681.4	7616.9	7531.5	7466.9	7327.4	7185.8	7067.1	7000.5	6923.5	6913.1	6911.0
7.5°	7496.1	7402.4	7240.0	7058.8	6815.2	6579.9	6380.0	6244.7	6109.3	6084.3	6076.0
10°	7296.2	7169.2	6892.2	6573.7	6209.3	5857.4	5551.3	5311.8	5153.6	5041.1	5020.3
12.5°	7098.4	6929.7	6523.7	6048.9	5549.2	5068.2	4608.0	4216.5	3933.4	3768.9	3739.7
15°	6913.1	6677.8	6121.8	5515.9	4866.2	4208.2	3556.5	3048.4	2650.7	2509.1	2475.8
17.5°	6744.4	6450.8	5732.4	4964.1	4154.1	3294.1	2552.8	2101.0	1867.8	1797.0	1780.3
20°	6575.7	6217.6	5336.8	4383.1	3398.2	2434.1	1865.7	1653.3	1565.8	1538.8	1530.5
22.5°	6394.6	5961.5	4905.8	3810.5	2634.0	1822.0	1526.3	1432.6	1405.5	1407.6	1405.5
25°	6213.4	5701.2	4453.9	3187.9	1961.5	1478.4	1332.6	1297.2	1303.5	1322.2	1326.4
27.5°	6063.5	5470.1	4010.4	2504.9	1532.5	1272.3	1203.5	1201.5	1224.4	1249.3	1253.5
30°	5955.2	5263.9	3573.1	1926.1	1261.8	1130.7	1103.6	1116.1	1143.2	1161.9	1168.1
32.5°	5878.2	5086.9	3106.7	1513.8	1105.7	1030.7	1018.2	1030.7	1047.4	1066.1	1070.3
35°	5851.1	4957.8	2648.6	1234.8	999.5	957.8	949.5	955.8	964.1	974.5	978.7
37.5°	5911.5	4893.3	2169.7	1074.4	934.9	909.9	897.4	893.3	895.4	899.5	901.6
40°	6090.6	4922.4	1778.2	980.7	893.3	870.4	849.6	841.2	839.1	843.3	841.2
42.5°	6398.7	5045.3	1495.1	926.6	860.0	826.7	803.7	795.4	795.4	805.8	805.8
45°	6850.6	5286.8	1291.0	887.0	830.8	789.2	764.2	760.0	768.3	785.0	787.1
47.5°	7512.7	5640.8	1168.1	857.9	803.7	755.9	730.9	728.8	745.4	772.5	774.6
50°	8297.8	6151.0	1101.5	837.1	785.0	728.8	703.8	705.9	724.6	753.8	760.0
52.5°	9243.1	6846.4	1105.7	828.7	774.6	712.1	687.1	683.0	701.7	730.9	737.1
55°	10219.7	7691.8	1186.9	830.8	760.0	703.8	670.5	655.9	672.6	693.4	695.5
57.5°	11294.1	8645.5	1388.9	826.7	741.3	695.5	655.9	622.6	633.0	645.5	651.7
60°	12506.0	9767.8	1824.0	835.0	733.0	676.7	626.8	583.0	580.9	589.3	591.4
62.5°	14126.0	11294.1	2313.4	849.6	751.7	653.8	583.0	537.2	528.9	533.1	535.1
65°	15364.9	12022.9	2159.3	837.1	791.3	637.2	541.4	493.5	476.8	472.7	472.7
67.5°	14861.0	11058.8	1503.4	803.7	810.0	639.2	508.1	447.7	426.9	416.4	414.4
70°	12645.5	8982.8	1045.3	770.4	789.2	635.1	472.7	410.2	383.1	368.6	366.5
72.5°	9990.6	6858.9	845.4	703.8	716.3	572.6	420.6	368.6	345.7	326.9	326.9
75°	6430.0	4185.3	705.9	626.8	585.1	445.6	364.4	329.0	306.1	287.4	287.4
77.5°	2163.5	1553.4	547.6	531.0	437.3	335.2	306.1	283.2	264.4	247.8	245.7
80°	878.7	737.1	401.9	401.9	306.1	256.1	239.5	229.0	216.6	195.7	195.7
82.5°	510.2	447.7	281.1	243.6	204.1	177.0	166.6	156.2	156.2	141.6	141.6
85°	245.7	247.8	168.7	149.9	116.6	102.0	97.9	91.6	89.5	81.2	79.1
87.5°	133.3	135.3	85.4	66.6	45.8	39.6	33.3	31.2	29.2	27.1	27.1
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)