

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: P635891

Luminaire Tested: GWS-SA3E-760-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635891
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-SA3E-760-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21739.4 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

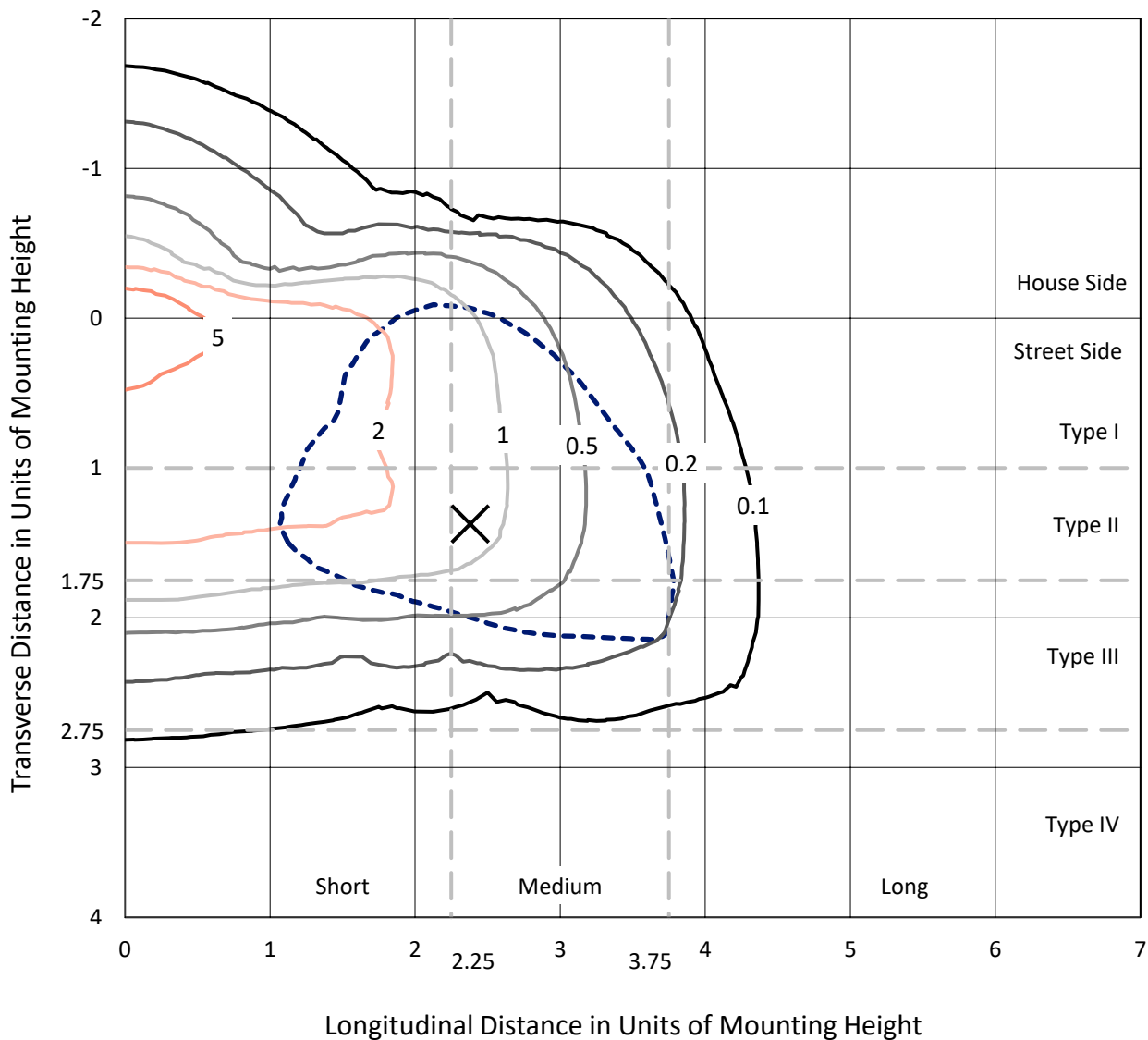
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635891
 CATALOG NUMBER: GWS-SA3E-760-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination

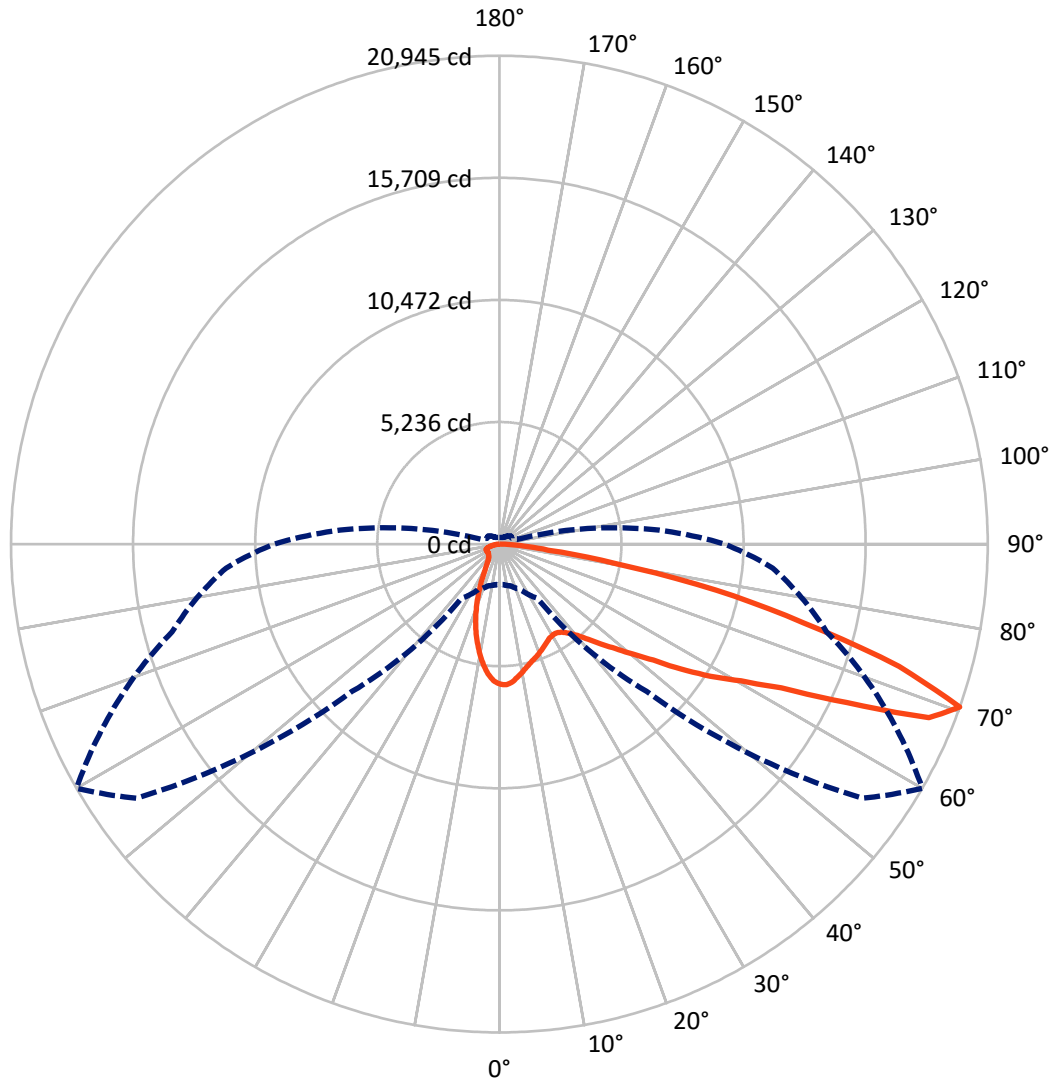
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P635891
CATALOG NUMBER: GWS-SA3E-760-U-SL3-W

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	3718.0	0.0	3718.0
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	18021.5	0.0	18021.5
	% Fixture	82.9	0.0	82.9
Total	Lumens	21739.4	0.0	21739.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	518.5	2.4
10°-20°	1161.6	5.3
20°-30°	1487.7	6.8
30°-40°	1955.2	9.0
40°-50°	2836.6	13.0
50°-60°	4425.8	20.4
60°-70°	5794.3	26.7
70°-80°	3204.0	14.7
80°-90°	355.6	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°	21739.4	100.0
0°-180°	21739.4	100.0

Coefficient of Utilization



REPORT NUMBER: P635891

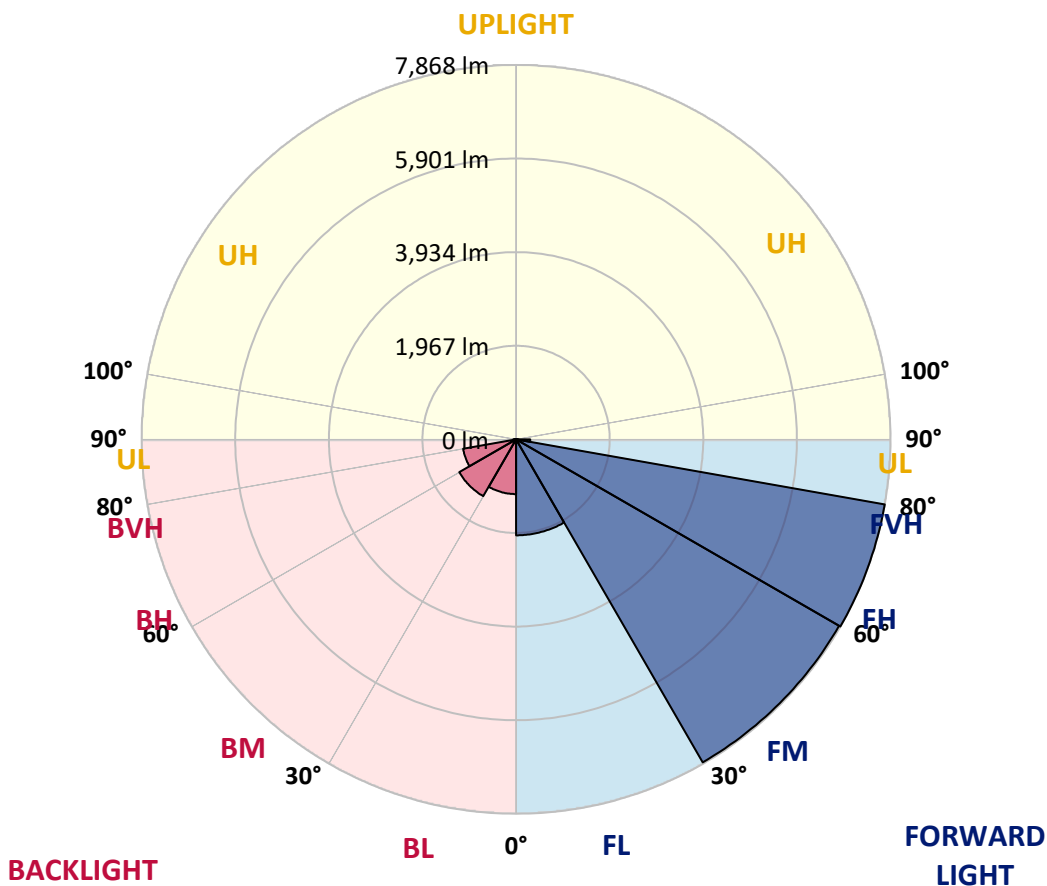
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2017.6	9.3			
FM (30°-60°)	7839.1	36.1			
FH (60°-80°)	7868.5	36.2			G4/12000
FVH (80°-90°)	296.3	1.4			G3/500
BL (0°-30°)	1150.3	5.3	B3/2500		
BM (30°-60°)	1378.5	6.3	B2/2500		
BH (60°-80°)	1129.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	59.3	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





REPORT NUMBER: P635891

CATALOG NUMBER: GWS-SA3E-760-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	6015.6	6015.6	6015.6	6015.6	6015.6	6015.6	6015.6	6015.6	6015.6	6015.6	6015.6
2.5°	5931.3	5937.6	5955.1	5980.6	6006.0	6018.8	6050.6	6041.0	6034.7	6021.9	6006.0
5°	5668.8	5681.6	5697.5	5746.8	5802.4	5847.0	5918.5	5926.5	5929.7	5936.0	5910.6
7.5°	5334.8	5338.0	5376.2	5441.4	5514.5	5590.9	5710.2	5743.6	5772.2	5804.0	5783.3
10°	4965.8	4973.7	5002.4	5096.2	5221.9	5334.8	5495.5	5551.1	5611.6	5681.6	5652.9
12.5°	4663.6	4665.2	4711.3	4811.5	4948.3	5101.0	5301.4	5368.2	5447.7	5557.5	5532.0
15°	4423.4	4423.4	4466.3	4552.2	4709.7	4889.4	5128.0	5213.9	5322.1	5470.0	5425.5
17.5°	4232.5	4234.1	4261.2	4351.8	4491.8	4690.6	4973.7	5089.9	5209.1	5404.8	5338.0
20°	4132.3	4124.4	4129.1	4184.8	4304.1	4496.6	4819.5	4954.7	5115.3	5360.3	5258.5
22.5°	4127.6	4113.2	4092.6	4097.3	4167.3	4326.4	4654.0	4817.9	5019.9	5323.7	5177.3
25°	4208.7	4192.8	4156.2	4114.8	4108.5	4203.9	4498.2	4684.3	4921.3	5307.8	5099.4
27.5°	4345.5	4334.3	4286.6	4224.6	4159.4	4156.2	4380.5	4574.5	4849.7	5323.7	5043.7
30°	4526.8	4507.7	4477.5	4398.0	4299.3	4197.5	4334.3	4515.7	4802.0	5374.6	5019.9
32.5°	4732.0	4720.8	4692.2	4612.7	4507.7	4345.5	4370.9	4528.4	4802.0	5463.6	5024.6
35°	4949.9	4948.3	4948.3	4895.8	4779.7	4577.7	4515.7	4636.5	4875.1	5606.8	5075.5
37.5°	5161.4	5159.8	5210.7	5229.8	5097.8	4879.9	4762.2	4852.9	5035.8	5818.3	5201.2
40°	5333.2	5339.6	5450.9	5546.4	5473.2	5271.2	5105.8	5151.9	5296.6	6119.0	5420.7
42.5°	5506.6	5524.1	5691.1	5859.7	5888.3	5713.4	5546.4	5573.4	5670.4	6516.6	5748.4
45°	5695.9	5703.8	5937.6	6173.0	6311.4	6208.0	6071.2	6107.8	6130.1	7008.1	6236.7
47.5°	5878.8	5899.5	6201.7	6524.6	6787.0	6777.5	6701.1	6690.0	6694.8	7606.2	6814.0
50°	6128.5	6158.7	6513.4	6903.1	7288.0	7464.6	7486.9	7402.6	7367.6	8271.0	7533.0
52.5°	6602.5	6602.5	6920.6	7303.9	7820.9	8258.3	8407.8	8269.4	8158.1	8974.1	8296.5
55°	7195.8	7221.2	7474.1	7784.3	8439.6	9093.3	9599.1	9446.5	9131.5	9739.1	9096.5
57.5°	7459.8	7491.6	7892.5	8374.4	9249.2	10042.9	10744.4	10690.3	10230.6	10534.4	9926.8
60°	6982.6	7049.5	7601.4	8409.4	9982.5	11574.7	12069.3	11911.9	11254.9	11369.5	10827.1
62.5°	5824.7	5897.9	6510.2	7638.0	9880.7	13230.4	14157.8	13577.2	12533.8	12424.0	12026.4
65°	3475.4	3472.2	4208.7	5703.8	8625.7	13690.1	17463.0	16379.8	14509.3	13871.4	13260.7
67.5°	2209.3	2204.5	2358.8	3022.1	5740.4	12564.0	19588.0	19869.5	17192.6	14935.5	13362.5
70°	1743.3	1741.7	1853.0	2155.2	2839.2	8940.6	18996.3	20944.8	18813.4	14529.9	11765.5
72.5°	1270.9	1274.1	1445.8	1805.3	2190.2	4488.6	15382.5	17921.1	17303.9	12826.4	9551.4
75°	913.0	917.8	1021.2	1382.2	2020.0	2454.3	10229.0	13475.4	13165.2	10281.5	6570.7
77.5°	580.6	586.9	677.6	968.7	1631.9	1981.9	6201.7	9513.3	8759.3	5792.9	2336.6
80°	354.7	375.4	451.7	722.1	1304.3	1487.2	3100.0	5011.9	4386.8	1589.0	785.7
82.5°	182.9	198.8	272.0	447.0	898.7	1305.9	1754.4	2105.9	1358.4	664.9	418.3
85°	57.3	66.8	95.4	181.3	427.9	809.6	1161.1	1046.6	623.5	313.3	194.1
87.5°	14.3	14.3	15.9	15.9	17.5	36.6	224.3	237.0	165.4	98.6	79.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P635891
 CATALOG NUMBER: GWS-SA3E-760-U-SL3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6015.6	6015.6	6015.6	6015.6	6015.6	6015.6	6015.6	6015.6	6015.6	6015.6	6015.6
2.5°	5974.2	5936.0	5920.1	5918.5	5878.8	5821.5	5783.3	5756.3	5740.4	5737.2	5737.2
5°	5867.6	5818.3	5753.1	5703.8	5597.3	5489.1	5398.4	5347.5	5288.7	5280.7	5279.1
7.5°	5726.1	5654.5	5530.4	5392.1	5206.0	5026.2	4873.5	4770.1	4666.8	4647.7	4641.3
10°	5573.4	5476.4	5264.8	5021.5	4743.1	4474.3	4240.5	4057.6	3936.7	3850.8	3834.9
12.5°	5422.3	5293.5	4983.3	4620.6	4238.9	3871.5	3520.0	3220.9	3004.6	2878.9	2856.7
15°	5280.7	5101.0	4676.3	4213.4	3717.2	3214.6	2716.7	2328.6	2024.8	1916.6	1891.2
17.5°	5151.9	4927.6	4378.9	3791.9	3173.2	2516.3	1950.1	1604.9	1426.8	1372.7	1359.9
20°	5023.1	4749.5	4076.7	3348.2	2595.8	1859.4	1425.2	1262.9	1196.1	1175.4	1169.1
22.5°	4884.7	4553.8	3747.4	2910.8	2012.1	1391.8	1165.9	1094.3	1073.6	1075.2	1073.6
25°	4746.3	4355.0	3402.3	2435.2	1498.3	1129.3	1018.0	990.9	995.7	1010.0	1013.2
27.5°	4631.8	4178.5	3063.5	1913.5	1170.7	971.8	919.4	917.8	935.3	954.3	957.5
30°	4549.1	4021.0	2729.4	1471.3	963.9	863.7	843.0	852.6	873.2	887.5	892.3
32.5°	4490.2	3885.8	2373.1	1156.4	844.6	787.3	777.8	787.3	800.1	814.4	817.6
35°	4469.5	3787.2	2023.2	943.2	763.5	731.7	725.3	730.1	736.4	744.4	747.6
37.5°	4515.7	3737.9	1657.4	820.7	714.2	695.1	685.5	682.4	683.9	687.1	688.7
40°	4652.4	3760.1	1358.4	749.2	682.4	664.9	649.0	642.6	641.0	644.2	642.6
42.5°	4887.9	3854.0	1142.0	707.8	656.9	631.5	614.0	607.6	607.6	615.6	615.6
45°	5233.0	4038.5	986.2	677.6	634.6	602.8	583.7	580.6	586.9	599.6	601.2
47.5°	5738.8	4308.9	892.3	655.3	614.0	577.4	558.3	556.7	569.4	590.1	591.7
50°	6338.5	4698.6	841.4	639.4	599.6	556.7	537.6	539.2	553.5	575.8	580.6
52.5°	7060.6	5229.8	844.6	633.1	591.7	544.0	524.9	521.7	536.0	558.3	563.1
55°	7806.6	5875.6	906.6	634.6	580.6	537.6	512.2	501.0	513.8	529.7	531.3
57.5°	8627.3	6604.1	1060.9	631.5	566.2	531.3	501.0	475.6	483.5	493.1	497.9
60°	9553.0	7461.4	1393.3	637.8	559.9	516.9	478.8	445.4	443.8	450.1	451.7
62.5°	10790.5	8627.3	1767.1	649.0	574.2	499.4	445.4	410.4	404.0	407.2	408.8
65°	11736.9	9184.0	1649.4	639.4	604.4	486.7	413.6	377.0	364.2	361.1	361.1
67.5°	11352.0	8447.6	1148.4	614.0	618.7	488.3	388.1	342.0	326.1	318.1	316.5
70°	9659.6	6861.8	798.5	588.5	602.8	485.1	361.1	313.3	292.7	281.5	279.9
72.5°	7631.6	5239.4	645.8	537.6	547.2	437.4	321.3	281.5	264.0	249.7	249.7
75°	4911.7	3197.1	539.2	478.8	447.0	340.4	278.4	251.3	233.8	219.5	219.5
77.5°	1652.6	1186.6	418.3	405.6	334.0	256.1	233.8	216.3	202.0	189.3	187.7
80°	671.2	563.1	307.0	307.0	233.8	195.6	182.9	175.0	165.4	149.5	149.5
82.5°	389.7	342.0	214.7	186.1	155.9	135.2	127.2	119.3	119.3	108.2	108.2
85°	187.7	189.3	128.8	114.5	89.1	77.9	74.8	70.0	68.4	62.0	60.4
87.5°	101.8	103.4	65.2	50.9	35.0	30.2	25.4	23.9	22.3	20.7	20.7
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)