

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: P635836

Luminaire Tested: GWS-SA3E-750-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635836
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-750-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22041.5 lumens
Efficiency: N/A
Efficacy: 138.5 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

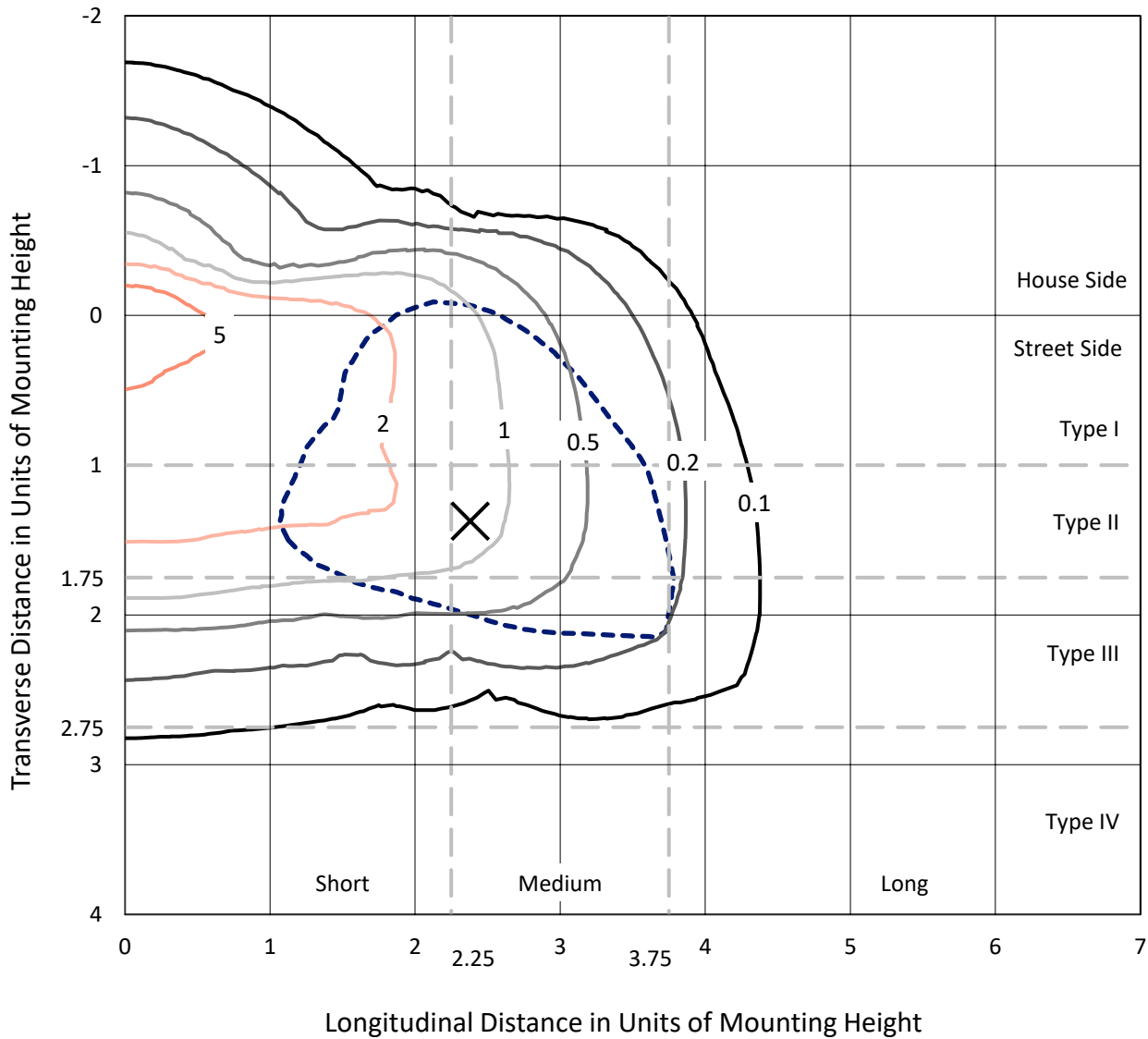
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

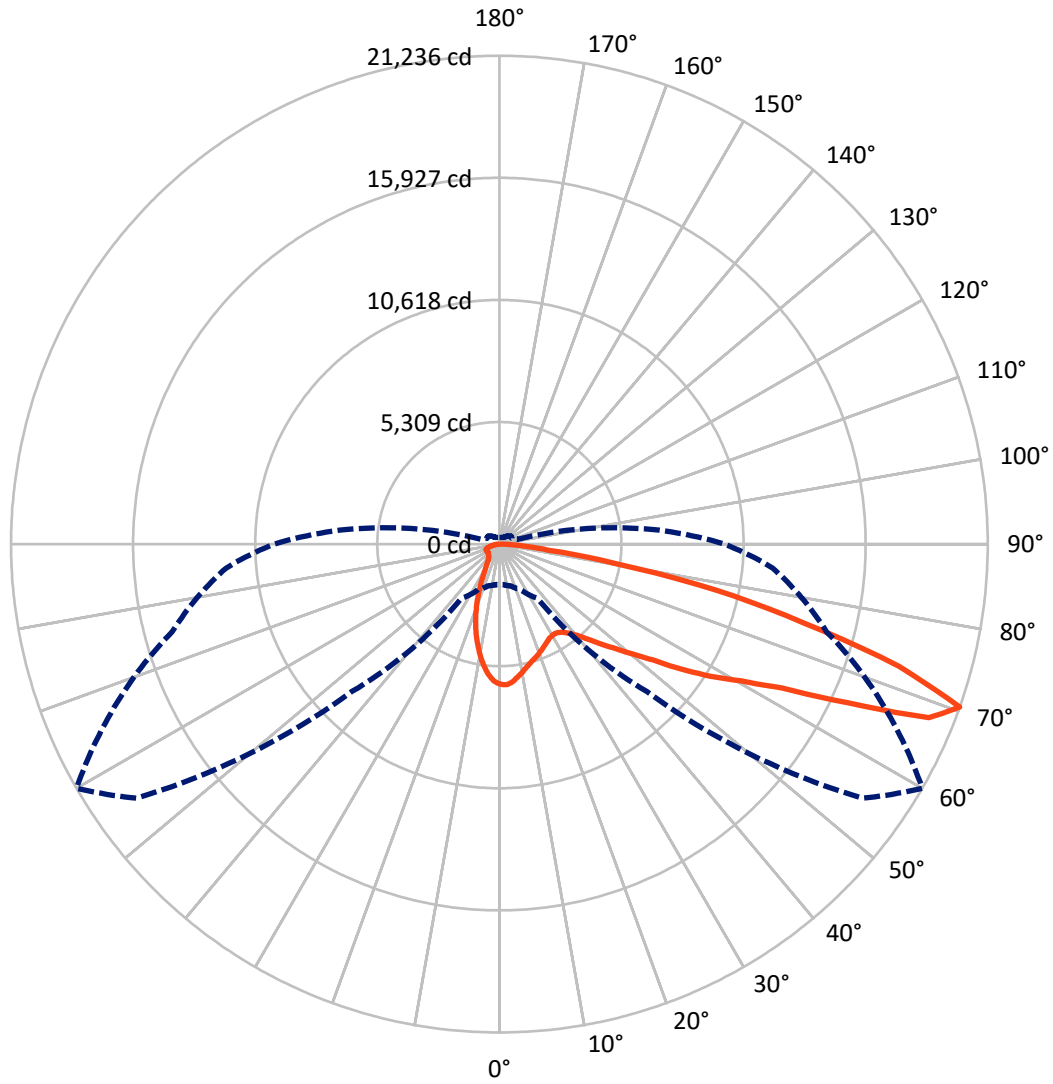
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 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	3769.6	0.0	3769.6
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	18271.9	0.0	18271.9
	% Fixture	82.9	0.0	82.9
Total	Lumens	22041.5	0.0	22041.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	525.7	2.4
10°-20°	1177.8	5.3
20°-30°	1508.4	6.8
30°-40°	1982.3	9.0
40°-50°	2876.1	13.0
50°-60°	4487.3	20.4
60°-70°	5874.8	26.7
70°-80°	3248.6	14.7
80°-90°	360.5	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°	22041.5	100.0
0°-180°	22041.5	100.0

Coefficient of Utilization



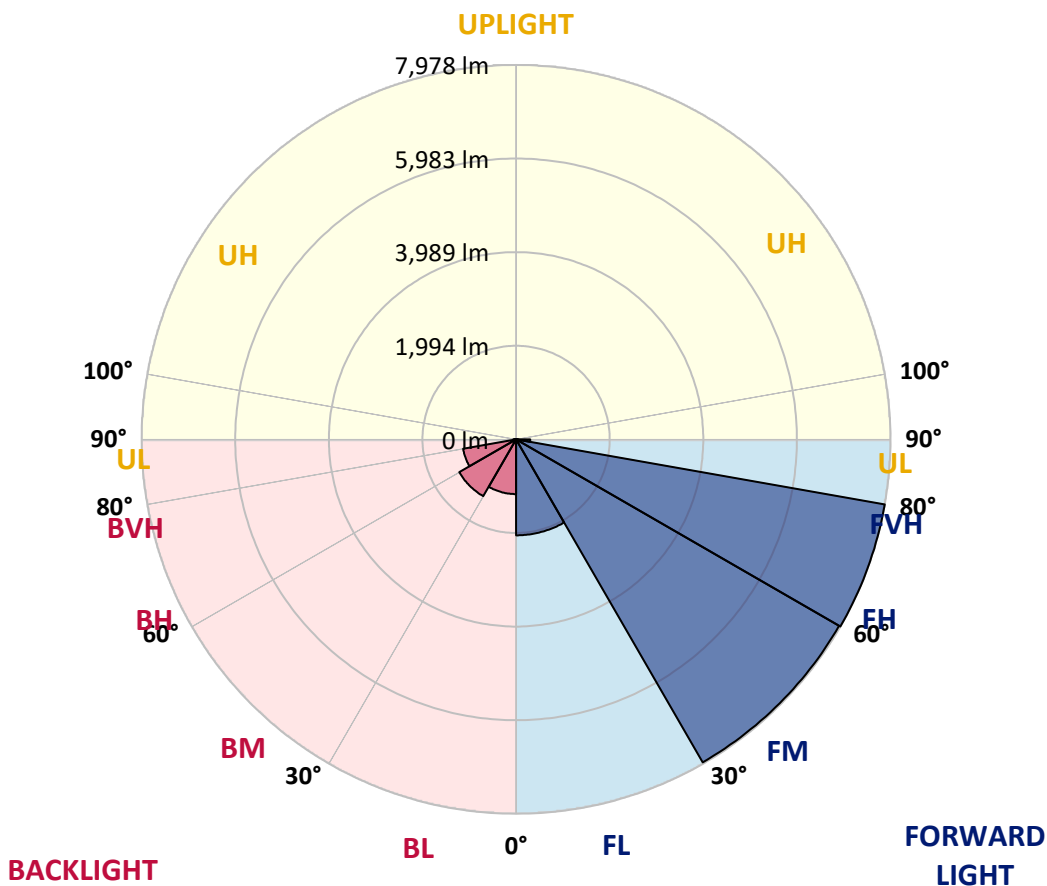
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2045.6	9.3			
FM (30°-60°)	7948.1	36.1			
FH (60°-80°)	7977.8	36.2			G4/12000
FVH (80°-90°)	300.4	1.4			G3/500
BL (0°-30°)	1166.3	5.3	B3/2500		
BM (30°-60°)	1397.7	6.3	B2/2500		
BH (60°-80°)	1145.6	5.2	B3/2500		G3/2500
BVH (80°-90°)	60.1	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°	6099.2	6099.2	6099.2	6099.2	6099.2	6099.2	6099.2	6099.2	6099.2	6099.2	6099.2
2.5°	6013.7	6020.1	6037.9	6063.7	6089.5	6102.4	6134.6	6125.0	6118.5	6105.6	6089.5
5°	5747.6	5760.5	5776.6	5826.6	5883.1	5928.2	6000.8	6008.9	6012.1	6018.5	5992.7
7.5°	5408.9	5412.2	5450.9	5517.0	5591.2	5668.6	5789.5	5823.4	5852.4	5884.7	5863.7
10°	5034.8	5042.9	5071.9	5167.0	5294.4	5408.9	5571.8	5628.3	5689.5	5760.5	5731.5
12.5°	4728.4	4730.0	4776.8	4878.4	5017.1	5171.9	5375.1	5442.8	5523.4	5634.7	5608.9
15°	4484.9	4484.9	4528.4	4615.5	4775.2	4957.4	5199.3	5286.4	5396.0	5546.0	5500.9
17.5°	4291.4	4293.0	4320.4	4412.3	4554.2	4755.8	5042.9	5160.6	5281.5	5479.9	5412.2
20°	4189.8	4181.7	4186.5	4243.0	4363.9	4559.1	4886.4	5023.5	5186.4	5434.7	5331.5
22.5°	4184.9	4170.4	4149.4	4154.3	4225.2	4386.5	4718.7	4884.8	5089.6	5397.7	5249.3
25°	4267.2	4251.0	4213.9	4172.0	4165.6	4262.3	4560.7	4749.4	4989.6	5381.5	5170.3
27.5°	4405.9	4394.6	4346.2	4283.3	4217.2	4213.9	4441.3	4638.1	4917.1	5397.7	5113.8
30°	4589.7	4570.3	4539.7	4459.1	4359.1	4255.9	4394.6	4578.4	4868.7	5449.3	5089.6
32.5°	4797.7	4786.4	4757.4	4676.8	4570.3	4405.9	4431.7	4591.3	4868.7	5539.6	5094.5
35°	5018.7	5017.1	5017.1	4963.8	4846.1	4641.3	4578.4	4701.0	4942.9	5684.7	5146.1
37.5°	5233.2	5231.5	5283.2	5302.5	5168.7	4947.7	4828.4	4920.3	5105.8	5899.2	5273.5
40°	5407.3	5413.8	5526.7	5623.4	5549.2	5344.4	5176.7	5223.5	5370.2	6204.0	5496.0
42.5°	5583.1	5600.8	5770.2	5941.1	5970.2	5792.8	5623.4	5650.8	5749.2	6607.2	5828.2
45°	5775.0	5783.1	6020.1	6258.8	6399.1	6294.3	6155.6	6192.7	6215.3	7105.5	6323.3
47.5°	5960.5	5981.4	6287.9	6615.2	6881.3	6871.6	6794.2	6782.9	6787.8	7711.9	6908.7
50°	6213.7	6244.3	6603.9	6999.0	7389.3	7568.3	7590.9	7505.4	7469.9	8386.0	7637.7
52.5°	6694.2	6694.2	7016.8	7405.4	7929.6	8373.1	8524.6	8384.3	8271.5	9098.8	8411.8
55°	7295.8	7321.6	7578.0	7892.5	8556.9	9219.7	9732.5	9577.7	9258.4	9874.5	9222.9
57.5°	7563.5	7595.7	8002.1	8490.8	9377.8	10182.5	10893.7	10838.8	10372.8	10680.8	10064.8
60°	7079.7	7147.4	7707.0	8526.3	10121.2	11735.5	12237.0	12077.4	11411.3	11527.5	10977.5
62.5°	5905.6	5979.8	6600.7	7744.1	10018.0	13414.3	14354.5	13765.9	12707.9	12596.7	12193.5
65°	3523.7	3520.5	4267.2	5783.1	8745.6	13880.4	17705.7	16607.4	14710.9	14064.2	13444.9
67.5°	2240.0	2235.2	2391.6	3064.1	5820.2	12738.6	19860.2	20145.6	17431.5	15143.1	13548.2
70°	1767.5	1765.9	1878.8	2185.2	2878.6	9064.9	19260.3	21235.8	19074.8	14731.9	11929.0
72.5°	1288.5	1291.8	1465.9	1830.4	2220.7	4551.0	15596.3	18170.1	17544.4	13004.7	9684.2
75°	925.7	930.5	1035.3	1401.4	2048.1	2488.4	10371.2	13662.7	13348.2	10424.4	6662.0
77.5°	588.6	595.1	687.0	982.1	1654.6	2009.4	6287.9	9645.5	8881.0	5873.4	2369.0
80°	359.6	380.6	458.0	732.2	1322.4	1507.9	3143.1	5081.6	4447.8	1611.1	796.7
82.5°	185.5	201.6	275.8	453.2	911.2	1324.0	1778.8	2135.2	1377.2	674.1	424.1
85°	58.1	67.7	96.8	183.8	433.8	820.9	1177.3	1061.1	632.2	317.7	196.7
87.5°	14.5	14.5	16.1	16.1	17.7	37.1	227.4	240.3	167.7	100.0	80.6
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°	6099.2	6099.2	6099.2	6099.2	6099.2	6099.2	6099.2	6099.2	6099.2	6099.2	6099.2
2.5°	6057.2	6018.5	6002.4	6000.8	5960.5	5902.4	5863.7	5836.3	5820.2	5816.9	5816.9
5°	5949.2	5899.2	5833.1	5783.1	5675.0	5565.4	5473.4	5421.8	5362.2	5354.1	5352.5
7.5°	5805.7	5733.1	5607.3	5467.0	5278.3	5096.1	4941.3	4836.4	4731.6	4712.3	4705.8
10°	5650.8	5552.5	5338.0	5091.2	4809.0	4536.5	4299.4	4114.0	3991.4	3904.3	3888.2
12.5°	5497.6	5367.0	5052.5	4684.8	4297.8	3925.3	3568.9	3265.7	3046.4	2919.0	2896.4
15°	5354.1	5171.9	4741.3	4272.0	3768.8	3259.2	2754.5	2361.0	2052.9	1943.3	1917.5
17.5°	5223.5	4996.1	4439.7	3844.6	3217.3	2551.3	1977.1	1627.2	1446.6	1391.7	1378.8
20°	5092.9	4815.5	4133.3	3394.7	2631.9	1885.2	1445.0	1280.5	1212.7	1191.8	1185.3
22.5°	4952.6	4617.1	3799.5	2951.2	2040.0	1411.1	1182.1	1109.5	1088.6	1090.2	1088.6
25°	4812.2	4415.5	3449.5	2469.0	1519.1	1145.0	1032.1	1004.7	1009.5	1024.1	1027.3
27.5°	4696.1	4236.5	3106.0	1940.1	1186.9	985.3	932.1	930.5	948.3	967.6	970.8
30°	4612.3	4076.9	2767.4	1491.7	977.3	875.7	854.7	864.4	885.4	899.9	904.7
32.5°	4552.6	3939.8	2406.1	1172.4	856.3	798.3	788.6	798.3	811.2	825.7	828.9
35°	4531.6	3839.8	2051.3	956.3	774.1	741.8	735.4	740.2	746.7	754.7	758.0
37.5°	4578.4	3789.8	1680.4	832.1	724.1	704.7	695.1	691.8	693.5	696.7	698.3
40°	4717.1	3812.4	1377.2	759.6	691.8	674.1	658.0	651.5	649.9	653.1	651.5
42.5°	4955.8	3907.5	1157.9	717.6	666.0	640.2	622.5	616.0	616.0	624.1	624.1
45°	5305.7	4094.6	999.9	687.0	643.5	611.2	591.9	588.6	595.1	608.0	609.6
47.5°	5818.6	4368.8	904.7	664.4	622.5	585.4	566.1	564.4	577.3	598.3	599.9
50°	6426.5	4763.9	853.1	648.3	608.0	564.4	545.1	546.7	561.2	583.8	588.6
52.5°	7158.7	5302.5	856.3	641.8	599.9	551.5	532.2	529.0	543.5	566.1	570.9
55°	7915.0	5957.3	919.2	643.5	588.6	545.1	519.3	508.0	520.9	537.0	538.6
57.5°	8747.2	6695.9	1075.7	640.2	574.1	538.6	508.0	482.2	490.3	499.9	504.8
60°	9685.8	7565.1	1412.7	646.7	567.7	524.1	485.4	451.6	449.9	456.4	458.0
62.5°	10940.4	8747.2	1791.7	658.0	582.2	506.4	451.6	416.1	409.6	412.8	414.5
65°	11900.0	9311.6	1672.4	648.3	612.8	493.5	419.3	382.2	369.3	366.1	366.1
67.5°	11509.7	8565.0	1164.4	622.5	627.3	495.1	393.5	346.7	330.6	322.5	320.9
70°	9793.8	6957.1	809.6	596.7	611.2	491.9	366.1	317.7	296.7	285.4	283.8
72.5°	7737.7	5312.2	654.7	545.1	554.8	443.5	325.8	285.4	267.7	253.2	253.2
75°	4980.0	3241.5	546.7	485.4	453.2	345.1	282.2	254.8	237.1	222.6	222.6
77.5°	1675.6	1203.1	424.1	411.2	338.7	259.6	237.1	219.3	204.8	191.9	190.3
80°	680.6	570.9	311.2	311.2	237.1	198.4	185.5	177.4	167.7	151.6	151.6
82.5°	395.1	346.7	217.7	188.7	158.0	137.1	129.0	121.0	121.0	109.7	109.7
85°	190.3	191.9	130.6	116.1	90.3	79.0	75.8	71.0	69.3	62.9	61.3
87.5°	103.2	104.8	66.1	51.6	35.5	30.6	25.8	24.2	22.6	21.0	21.0
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)