

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: P641772

Luminaire Tested: GWS-SA6B-750-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-750-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21282.8 lumens
Efficiency: N/A
Efficacy: 153.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

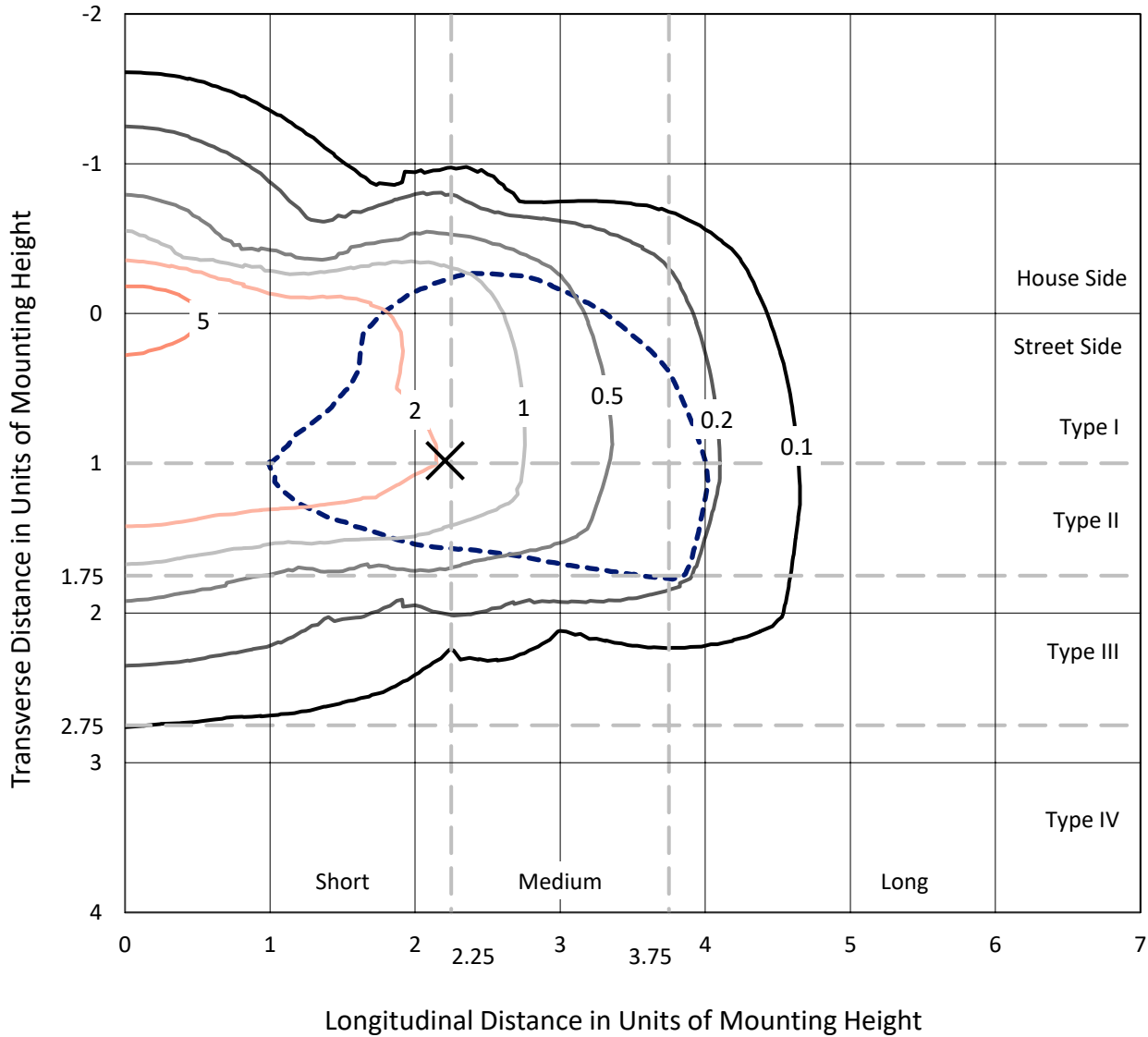
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

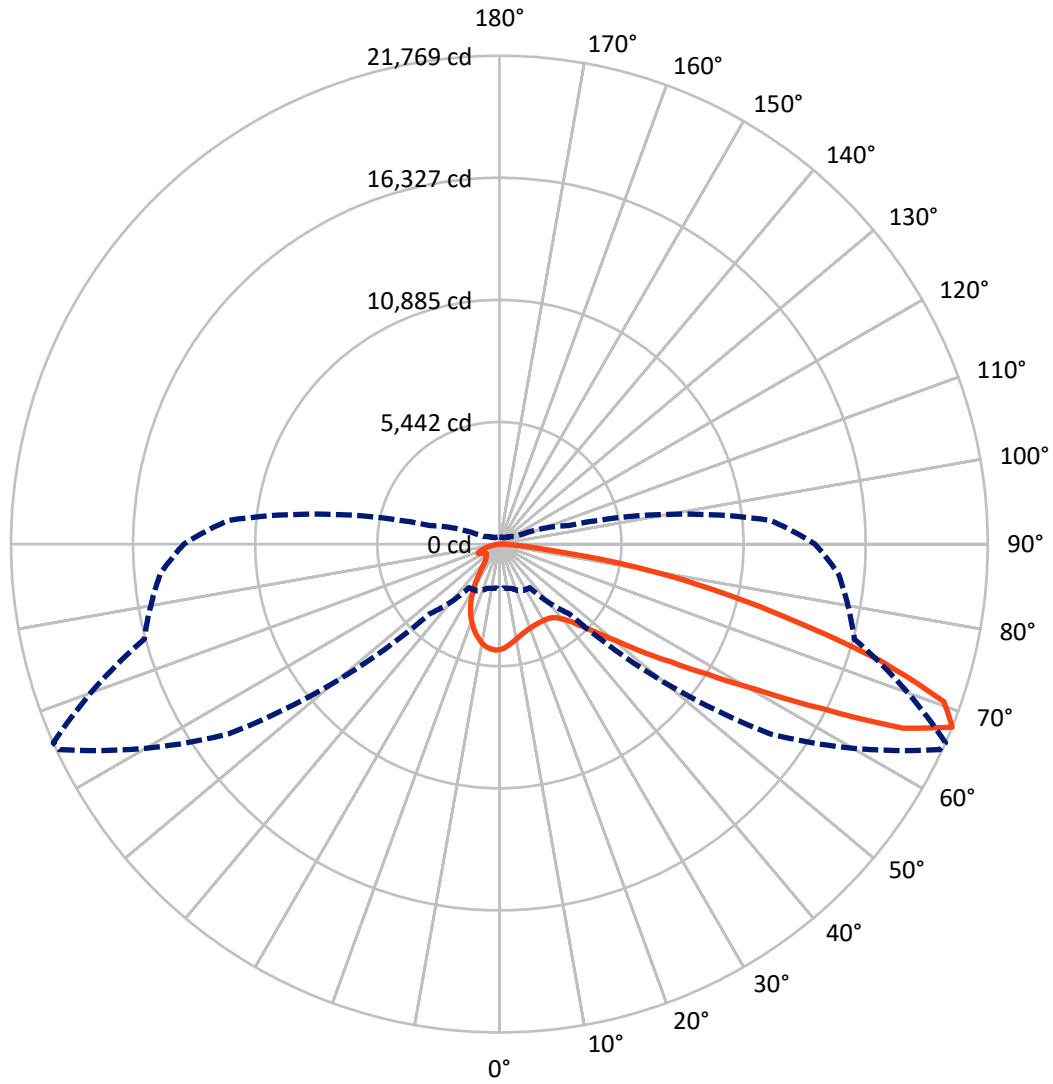
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4318.8	0.0	4318.8
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	16964.0	0.0	16964.0
	% Fixture	79.7	0.0	79.7
Total	Lumens	21282.8	0.0	21282.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.7	1.9
10°-20°	1014.4	4.8
20°-30°	1394.3	6.6
30°-40°	1906.2	9.0
40°-50°	2888.4	13.6
50°-60°	4490.0	21.1
60°-70°	5466.5	25.7
70°-80°	3330.0	15.6
80°-90°	380.4	1.8
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°	21282.8	100.0
0°-180°	21282.8	100.0

Coefficient of Utilization



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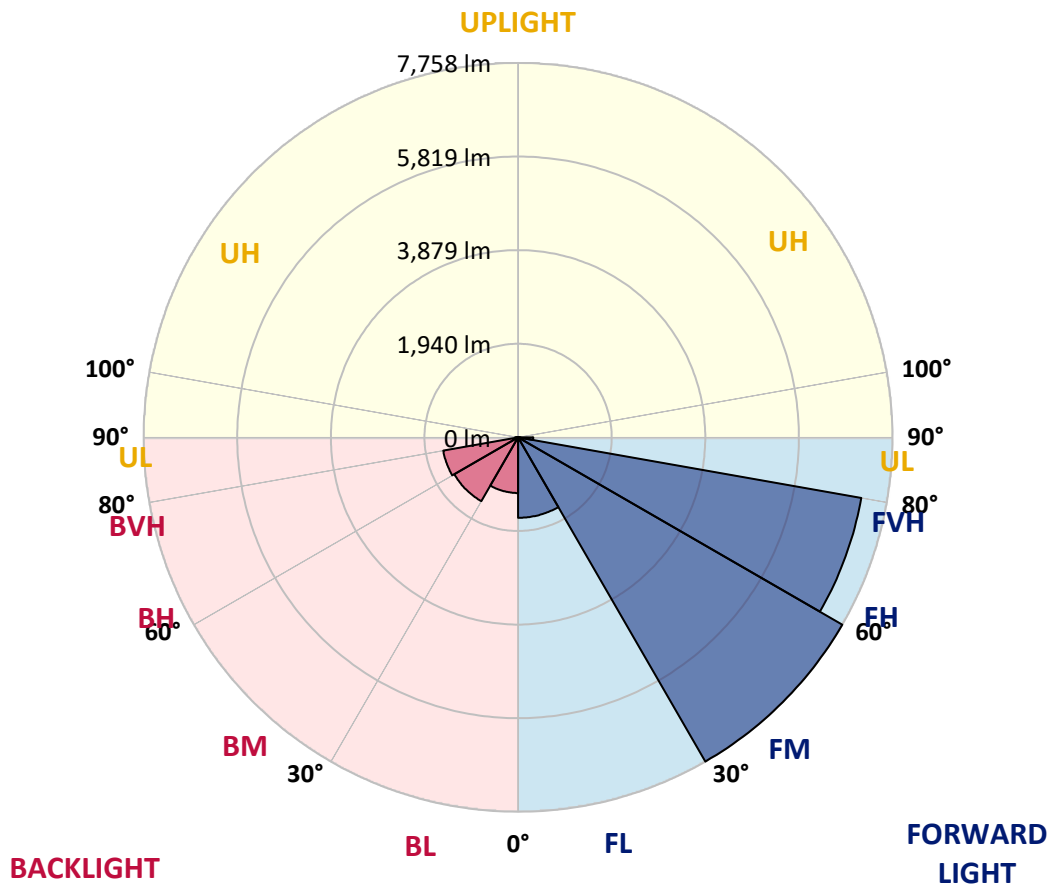
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1667.6	7.8			
FM (30°-60°)	7758.4	36.5			
FH (60°-80°)	7221.8	33.9			G3/7500
FVH (80°-90°)	316.2	1.5			G3/500
BL (0°-30°)	1153.7	5.4	B3/2500		
BM (30°-60°)	1526.2	7.2	B2/2500		
BH (60°-80°)	1574.7	7.4	B3/2500		G3/2500
BVH (80°-90°)	64.1	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4702.9	4702.9	4702.9	4702.9	4702.9	4702.9	4702.9	4702.9	4702.9	4702.9	4702.9
2.5°	4404.8	4420.3	4411.0	4470.0	4473.1	4547.6	4589.6	4625.3	4628.4	4674.9	4706.0
5°	4103.6	4112.9	4112.9	4168.8	4206.1	4305.4	4401.7	4504.2	4511.9	4623.7	4709.1
7.5°	3859.8	3869.1	3862.9	3937.5	3985.6	4095.8	4218.5	4375.3	4390.8	4570.9	4720.0
10°	3668.8	3665.7	3681.3	3749.6	3811.7	3943.7	4080.3	4258.8	4282.1	4510.4	4732.4
12.5°	3538.4	3541.5	3550.8	3622.3	3689.0	3819.5	3960.7	4154.8	4179.7	4440.5	4726.2
15°	3476.3	3470.1	3477.9	3543.1	3606.7	3721.6	3867.6	4067.9	4092.7	4378.4	4727.7
17.5°	3462.3	3457.7	3456.1	3502.7	3550.8	3658.0	3797.7	4001.1	4027.5	4338.0	4737.1
20°	3505.8	3499.6	3482.5	3502.7	3522.9	3613.0	3748.0	3953.0	3982.5	4311.6	4755.7
22.5°	3625.4	3614.5	3588.1	3563.3	3536.9	3591.2	3717.0	3917.3	3946.8	4294.6	4774.3
25°	3807.0	3797.7	3769.8	3713.9	3617.6	3608.3	3710.8	3901.7	3931.2	4282.1	4782.1
27.5°	4057.0	4043.0	4015.1	3934.3	3777.5	3672.0	3734.1	3900.2	3928.1	4268.2	4774.3
30°	4353.6	4344.2	4328.7	4230.9	4021.3	3807.0	3786.8	3912.6	3934.3	4260.4	4758.8
32.5°	4654.8	4645.4	4657.9	4611.3	4353.6	4030.6	3901.7	3946.8	3962.3	4258.8	4744.8
35°	4920.3	4931.1	5021.2	5028.9	4775.9	4333.4	4083.4	4026.0	4029.1	4289.9	4751.0
37.5°	5198.2	5240.1	5358.1	5459.0	5247.9	4733.9	4353.6	4175.0	4171.9	4369.1	4789.8
40°	5566.2	5584.8	5735.4	5924.8	5792.8	5283.6	4737.1	4418.8	4397.0	4530.6	4893.9
42.5°	5924.8	5969.8	6210.5	6427.9	6384.4	5903.1	5219.9	4783.6	4744.8	4816.2	5108.1
45°	6381.3	6424.8	6694.9	6974.4	7053.6	6603.3	5837.9	5302.2	5263.4	5246.3	5500.9
47.5°	6837.8	6882.8	7125.0	7528.7	7806.6	7479.0	6642.1	5986.9	5923.3	5856.5	6094.0
50°	7145.2	7198.0	7429.3	7913.7	8565.8	8572.0	7595.4	6884.3	6803.6	6698.0	6929.4
52.5°	7134.3	7168.5	7388.9	7947.9	9112.3	9828.1	8871.7	8027.1	7961.8	7732.1	7933.9
55°	6573.8	6625.0	6847.1	7545.7	9171.3	11019.0	10747.3	9374.7	9258.3	8846.8	9068.9
57.5°	5448.2	5491.6	5715.2	6576.9	8648.1	11629.1	13129.0	11091.9	10932.0	10061.0	10317.2
60°	4112.9	4060.1	4165.7	4920.3	7396.7	11644.7	15231.2	13420.9	13153.8	11359.0	11573.3
62.5°	3086.6	3033.8	3057.1	3269.8	5015.0	10703.8	16429.9	16606.9	16165.9	12824.7	12782.7
65°	2439.2	2409.7	2476.4	2622.4	2923.6	8151.3	16439.2	20052.1	19774.2	14523.2	14023.3
67.5°	1987.4	1968.7	2037.0	2307.2	2370.9	4379.9	14740.6	21660.6	21769.3	16383.3	15173.8
70°	1600.8	1572.8	1679.9	2035.5	2204.7	2650.3	10559.4	20840.9	21016.3	17491.8	14849.3
72.5°	1105.5	1107.0	1161.4	1648.9	2128.6	2288.6	5972.9	17353.7	17734.1	16487.3	13054.5
75°	745.3	751.5	767.0	1088.4	1961.0	2220.3	3182.9	13138.3	13406.9	13627.4	10790.7
77.5°	450.3	453.4	489.1	658.3	1352.3	2072.8	2156.6	9523.8	9734.9	8983.5	6688.7
80°	260.8	271.7	304.3	440.9	912.9	1557.3	1669.1	5839.4	6078.5	3993.3	2125.5
82.5°	114.9	122.7	166.1	256.2	532.5	1324.4	1302.7	2307.2	2273.0	1113.2	737.5
85°	20.2	24.8	35.7	80.7	195.6	698.7	1010.8	1018.5	958.0	422.3	305.9
87.5°	0.0	0.0	0.0	0.0	0.0	4.7	152.2	273.3	271.7	119.6	105.6
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°	4702.9	4702.9	4702.9	4702.9	4702.9	4702.9	4702.9	4702.9	4702.9	4702.9	4702.9
2.5°	4726.2	4684.3	4721.5	4726.2	4718.4	4712.2	4665.6	4625.3	4620.6	4577.1	4577.1
5°	4743.3	4704.4	4723.1	4687.4	4631.5	4574.0	4474.7	4406.3	4375.3	4319.4	4319.4
7.5°	4766.6	4726.2	4704.4	4615.9	4485.5	4359.8	4199.8	4066.3	4012.0	3932.8	3929.7
10°	4788.3	4737.1	4662.5	4490.2	4282.1	4081.8	3849.0	3659.5	3530.7	3436.0	3436.0
12.5°	4786.7	4720.0	4572.5	4317.8	4030.6	3740.3	3429.7	3144.1	2973.3	2825.8	2816.5
15°	4783.6	4692.0	4457.6	4117.6	3737.2	3335.0	2912.7	2540.1	2287.0	2142.6	2130.2
17.5°	4780.5	4656.3	4328.7	3889.3	3380.1	2832.0	2274.6	1870.9	1659.8	1571.3	1574.4
20°	4780.5	4615.9	4190.5	3626.9	2968.6	2229.6	1669.1	1375.6	1322.8	1327.5	1332.2
22.5°	4766.6	4566.3	4036.8	3341.2	2510.6	1639.6	1231.2	1131.9	1159.8	1203.3	1209.5
25°	4733.9	4484.0	3858.3	3024.5	1965.6	1194.0	1004.5	985.9	1037.2	1091.5	1107.0
27.5°	4682.7	4389.3	3658.0	2653.4	1447.0	959.5	883.4	881.9	922.3	962.6	976.6
30°	4628.4	4283.7	3446.8	2240.4	1048.0	835.3	805.8	805.8	826.0	850.8	847.7
32.5°	4564.7	4176.6	3220.1	1810.4	853.9	765.4	756.1	751.5	754.6	763.9	763.9
35°	4510.4	4081.8	2987.2	1355.4	765.4	726.6	717.3	706.4	701.8	695.6	698.7
37.5°	4490.2	4007.3	2746.6	1021.6	722.0	698.7	683.2	667.6	656.8	653.7	652.1
40°	4522.8	3976.3	2505.9	841.5	690.9	669.2	652.1	631.9	622.6	622.6	622.6
42.5°	4650.1	3999.6	2260.6	760.8	669.2	644.3	619.5	600.9	597.8	600.9	602.4
45°	4883.0	4089.6	2006.0	720.4	650.5	619.5	590.0	576.0	576.0	579.1	579.1
47.5°	5299.1	4325.6	1754.5	695.6	631.9	599.3	568.3	554.3	552.7	555.8	555.8
50°	6019.5	4751.0	1527.8	678.5	617.9	583.8	552.7	534.1	529.4	527.9	527.9
52.5°	6927.8	5488.5	1383.4	666.1	600.9	566.7	535.7	510.8	501.5	496.8	496.8
55°	8025.5	6471.3	1383.4	656.8	579.1	546.5	510.8	486.0	472.0	465.8	465.8
57.5°	9269.2	7615.6	1622.5	649.0	562.0	523.2	484.4	459.6	444.1	434.7	434.7
60°	10534.5	8825.1	2214.0	638.1	546.5	493.7	454.9	431.6	411.4	400.6	399.0
62.5°	11846.5	10157.3	2993.5	644.3	535.7	465.8	423.9	397.5	380.4	369.5	368.0
65°	13048.2	11425.8	3675.1	692.5	537.2	440.9	388.2	364.9	350.9	336.9	335.4
67.5°	14068.3	12126.0	3196.9	790.3	569.8	411.4	352.4	329.2	316.7	307.4	305.9
70°	13354.1	11057.8	1813.5	850.8	614.8	380.4	312.1	296.6	284.1	277.9	276.4
72.5°	11419.5	9362.3	1212.6	751.5	560.5	340.0	274.8	262.4	253.1	245.3	243.8
75°	9250.5	7424.6	926.9	616.4	436.3	276.4	236.0	226.7	217.4	209.6	208.1
77.5°	5473.0	4289.9	683.2	487.5	307.4	215.8	195.6	187.9	178.6	172.3	170.8
80°	1746.7	1490.5	433.2	335.4	203.4	166.1	150.6	144.4	135.1	127.3	125.8
82.5°	666.1	576.0	229.8	170.8	135.1	113.3	100.9	94.7	88.5	80.7	79.2
85°	295.0	276.4	127.3	91.6	73.0	55.9	49.7	46.6	38.8	32.6	31.1
87.5°	104.0	104.0	54.3	26.4	15.5	7.8	4.7	1.6	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)