

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: P635396

Luminaire Tested: GWS-SA3D-760-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635396
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-SA3D-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: 17396.4 lumens
Efficiency: N/A
Efficacy: 144.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

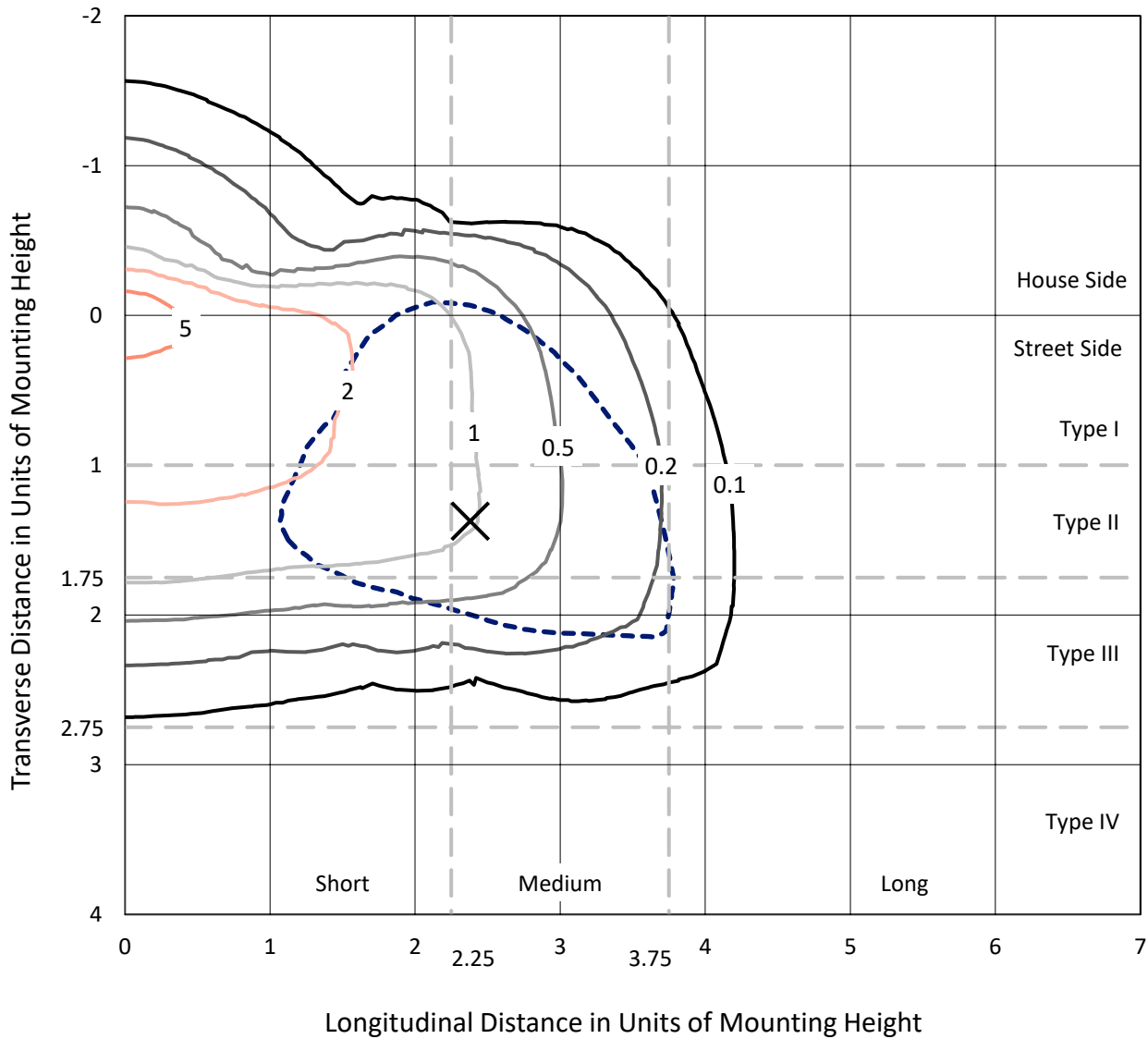
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635396
 CATALOG NUMBER: GWS-SA3D-760-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination

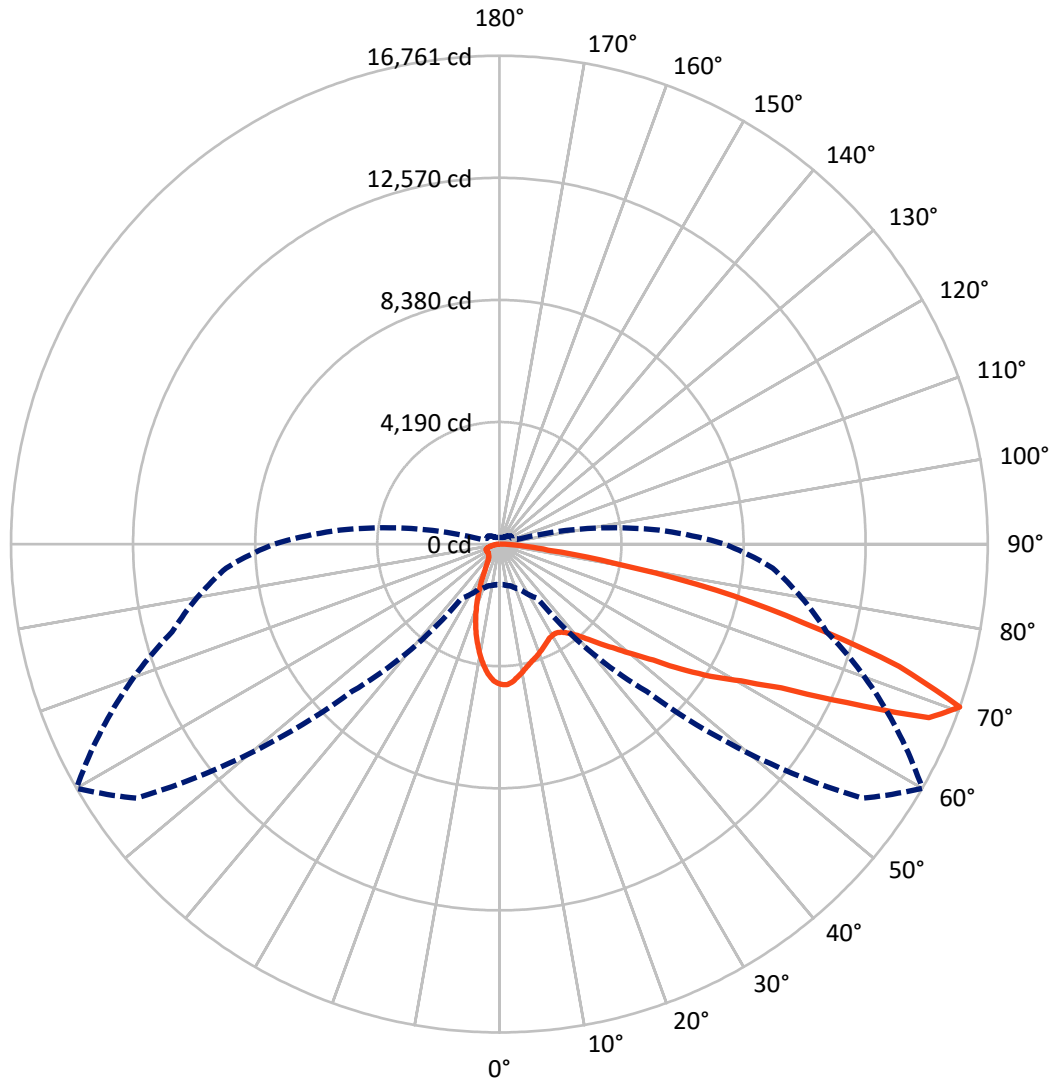
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P635396
CATALOG NUMBER: GWS-SA3D-760-U-SL3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P635396

CATALOG NUMBER: GWS-SA3D-760-U-SL3-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2975.2	0.0	2975.2
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	14421.2	0.0	14421.2
	% Fixture	82.9	0.0	82.9
Total	Lumens	17396.4	0.0	17396.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.9	2.4
10°-20°	929.6	5.3
20°-30°	1190.5	6.8
30°-40°	1564.6	9.0
40°-50°	2269.9	13.0
50°-60°	3541.7	20.4
60°-70°	4636.7	26.7
70°-80°	2564.0	14.7
80°-90°	284.5	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°	17396.4	100.0
0°-180°	17396.4	100.0

Coefficient of Utilization



REPORT NUMBER: P635396

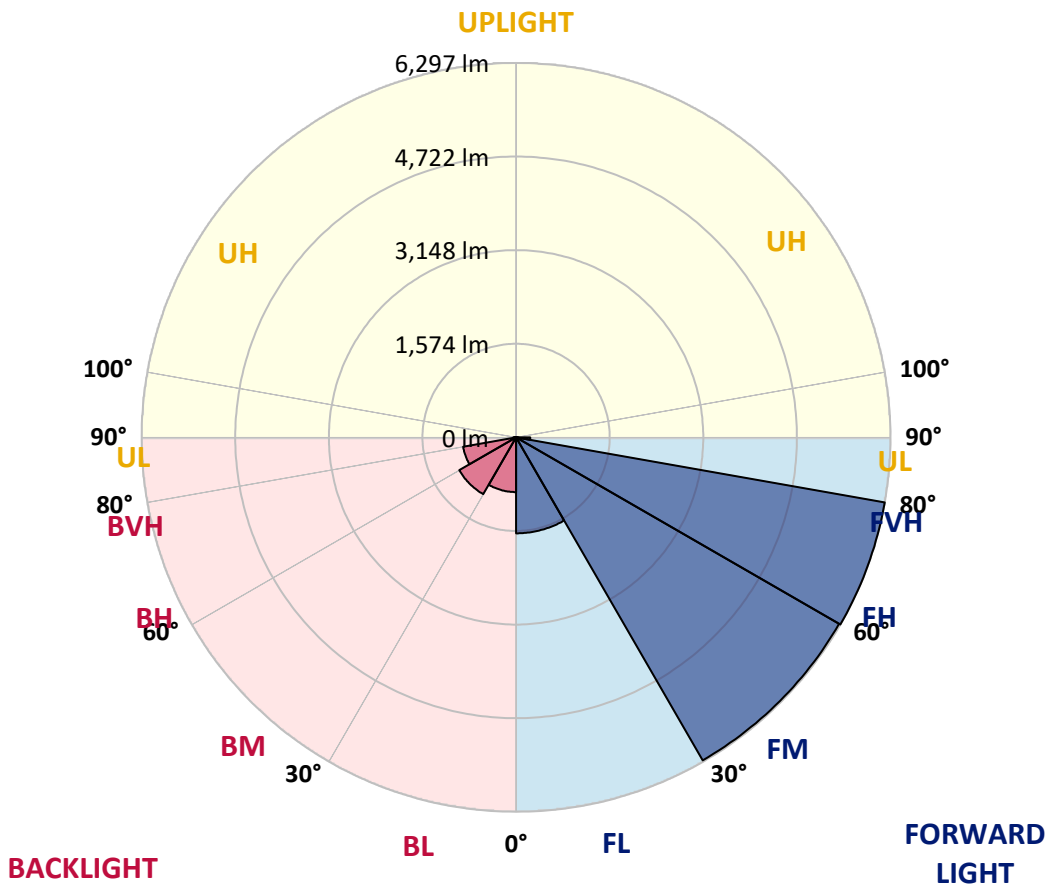
CATALOG NUMBER: GWS-SA3D-760-U-SL3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1614.5	9.3			
FM (30°-60°)	6273.1	36.1			
FH (60°-80°)	6296.5	36.2			G3/7500
FVH (80°-90°)	237.1	1.4			G3/500
BL (0°-30°)	920.5	5.3	B2/1000		
BM (30°-60°)	1103.1	6.3	B2/2500		
BH (60°-80°)	904.2	5.2	B2/1000		G2/1000
BVH (80°-90°)	47.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





REPORT NUMBER: P635396
 CATALOG NUMBER: GWS-SA3D-760-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4813.8	4813.8	4813.8	4813.8	4813.8	4813.8	4813.8	4813.8	4813.8	4813.8	4813.8
2.5°	4746.3	4751.4	4765.4	4785.8	4806.2	4816.4	4841.8	4834.2	4829.1	4818.9	4806.2
5°	4536.3	4546.5	4559.2	4598.7	4643.3	4678.9	4736.2	4742.5	4745.1	4750.2	4729.8
7.5°	4269.0	4271.6	4302.1	4354.3	4412.9	4474.0	4569.4	4596.2	4619.1	4644.5	4628.0
10°	3973.7	3980.1	4003.0	4078.1	4178.7	4269.0	4397.6	4442.1	4490.5	4546.5	4523.6
12.5°	3731.9	3733.2	3770.1	3850.3	3959.7	4081.9	4242.3	4295.8	4359.4	4447.2	4426.9
15°	3539.7	3539.7	3574.1	3642.8	3768.8	3912.7	4103.6	4172.3	4258.9	4377.2	4341.6
17.5°	3387.0	3388.2	3409.9	3482.4	3594.4	3753.5	3980.1	4073.0	4168.5	4325.0	4271.6
20°	3306.8	3300.4	3304.2	3348.8	3444.3	3598.3	3856.6	3964.8	4093.4	4289.4	4207.9
22.5°	3303.0	3291.5	3275.0	3278.8	3334.8	3462.1	3724.3	3855.4	4017.0	4260.1	4143.0
25°	3367.9	3355.2	3325.9	3292.8	3287.7	3364.1	3599.5	3748.5	3938.1	4247.4	4080.7
27.5°	3477.3	3468.4	3430.3	3380.6	3328.4	3325.9	3505.3	3660.6	3880.8	4260.1	4036.1
30°	3622.4	3607.2	3583.0	3519.4	3440.4	3359.0	3468.4	3613.5	3842.6	4300.9	4017.0
32.5°	3786.6	3777.7	3754.8	3691.2	3607.2	3477.3	3497.7	3623.7	3842.6	4372.1	4020.8
35°	3961.0	3959.7	3959.7	3917.7	3824.8	3663.2	3613.5	3710.3	3901.2	4486.7	4061.6
37.5°	4130.3	4129.0	4169.8	4185.0	4079.4	3905.0	3810.8	3883.4	4029.8	4656.0	4162.1
40°	4267.8	4272.9	4362.0	4438.3	4379.8	4218.1	4085.8	4122.7	4238.5	4896.5	4337.8
42.5°	4406.5	4420.5	4554.2	4689.1	4712.0	4572.0	4438.3	4460.0	4537.6	5214.7	4600.0
45°	4558.0	4564.3	4751.4	4939.8	5050.6	4967.8	4858.4	4887.6	4905.5	5608.0	4990.7
47.5°	4704.3	4720.9	4962.7	5221.1	5431.1	5423.5	5362.4	5353.5	5357.3	6086.6	5452.8
50°	4904.2	4928.4	5212.2	5524.0	5832.1	5973.3	5991.2	5923.7	5895.7	6618.7	6028.1
52.5°	5283.5	5283.5	5538.0	5844.8	6258.5	6608.5	6728.1	6617.4	6528.3	7181.3	6639.0
55°	5758.2	5778.6	5981.0	6229.2	6753.6	7276.7	7681.5	7559.3	7307.3	7793.5	7279.3
57.5°	5969.5	5995.0	6315.7	6701.4	7401.5	8036.6	8597.9	8554.6	8186.8	8429.9	7943.7
60°	5587.7	5641.1	6082.8	6729.4	7988.2	9262.3	9658.2	9532.2	9006.5	9098.1	8664.1
62.5°	4661.1	4719.6	5209.7	6112.1	7906.8	10587.3	11329.4	10864.8	10029.8	9942.0	9623.8
65°	2781.1	2778.6	3367.9	4564.3	6902.5	10955.2	13974.3	13107.5	11610.7	11100.3	10611.5
67.5°	1767.9	1764.1	1887.6	2418.4	4593.6	10054.0	15674.8	15900.1	13757.9	11951.8	10693.0
70°	1395.0	1393.7	1482.8	1724.7	2272.0	7154.5	15201.3	16760.5	15054.9	11627.2	9415.1
72.5°	1017.0	1019.5	1157.0	1444.7	1752.7	3591.9	12309.5	14340.9	13847.0	10264.0	7643.3
75°	730.6	734.4	817.2	1106.1	1616.5	1964.0	8185.5	10783.3	10535.1	8227.5	5258.0
77.5°	464.6	469.7	542.2	775.1	1305.9	1585.9	4962.7	7612.7	7009.4	4635.6	1869.8
80°	283.8	300.4	361.5	577.9	1043.7	1190.1	2480.7	4010.7	3510.4	1271.5	628.8
82.5°	146.4	159.1	217.7	357.7	719.1	1045.0	1403.9	1685.2	1087.0	532.0	334.8
85°	45.8	53.5	76.4	145.1	342.4	647.9	929.2	837.5	498.9	250.7	155.3
87.5°	11.5	11.5	12.7	12.7	14.0	29.3	179.5	189.7	132.4	78.9	63.6
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: P635396
 CATALOG NUMBER: GWS-SA3D-760-U-SL3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4813.8	4813.8	4813.8	4813.8	4813.8	4813.8	4813.8	4813.8	4813.8	4813.8	4813.8
2.5°	4780.7	4750.2	4737.4	4736.2	4704.3	4658.5	4628.0	4606.3	4593.6	4591.1	4591.1
5°	4695.4	4656.0	4603.8	4564.3	4479.1	4392.5	4320.0	4279.2	4232.1	4225.8	4224.5
7.5°	4582.2	4524.9	4425.6	4314.9	4165.9	4022.1	3899.9	3817.2	3734.5	3719.2	3714.1
10°	4460.0	4382.3	4213.0	4018.3	3795.6	3580.4	3393.3	3247.0	3150.2	3081.5	3068.8
12.5°	4339.0	4235.9	3987.7	3697.5	3392.1	3098.0	2816.8	2577.5	2404.4	2303.8	2286.0
15°	4225.8	4081.9	3742.1	3371.7	2974.6	2572.4	2174.0	1863.4	1620.3	1533.7	1513.4
17.5°	4122.7	3943.2	3504.1	3034.4	2539.3	2013.6	1560.5	1284.3	1141.7	1098.4	1088.3
20°	4019.6	3800.6	3262.2	2679.3	2077.2	1487.9	1140.4	1010.6	957.2	940.6	935.5
22.5°	3908.8	3644.1	2998.8	2329.3	1610.1	1113.7	933.0	875.7	859.2	860.4	859.2
25°	3798.1	3485.0	2722.6	1948.7	1199.0	903.7	814.6	793.0	796.8	808.2	810.8
27.5°	3706.5	3343.7	2451.5	1531.2	936.8	777.7	735.7	734.4	748.4	763.7	766.2
30°	3640.3	3217.7	2184.2	1177.4	771.3	691.1	674.6	682.2	698.8	710.2	714.1
32.5°	3593.2	3109.5	1899.0	925.3	675.9	630.0	622.4	630.0	640.2	651.7	654.2
35°	3576.6	3030.6	1619.0	754.8	611.0	585.5	580.4	584.2	589.3	595.7	598.2
37.5°	3613.5	2991.1	1326.3	656.8	571.5	556.2	548.6	546.0	547.3	549.9	551.1
40°	3723.0	3008.9	1087.0	599.5	546.0	532.0	519.3	514.2	512.9	515.5	514.2
42.5°	3911.4	3084.0	913.9	566.4	525.7	505.3	491.3	486.2	486.2	492.6	492.6
45°	4187.6	3231.7	789.1	542.2	507.9	482.4	467.1	464.6	469.7	479.9	481.1
47.5°	4592.3	3448.1	714.1	524.4	491.3	462.0	446.8	445.5	455.7	472.2	473.5
50°	5072.2	3759.9	673.3	511.7	479.9	445.5	430.2	431.5	442.9	460.8	464.6
52.5°	5650.1	4185.0	675.9	506.6	473.5	435.3	420.0	417.5	428.9	446.8	450.6
55°	6247.0	4701.8	725.5	507.9	464.6	430.2	409.8	400.9	411.1	423.8	425.1
57.5°	6903.8	5284.8	849.0	505.3	453.1	425.1	400.9	380.6	386.9	394.6	398.4
60°	7644.6	5970.8	1115.0	510.4	448.0	413.7	383.1	356.4	355.1	360.2	361.5
62.5°	8634.8	6903.8	1414.1	519.3	459.5	399.7	356.4	328.4	323.3	325.8	327.1
65°	9392.1	7349.3	1319.9	511.7	483.7	389.5	330.9	301.7	291.5	288.9	288.9
67.5°	9084.1	6760.0	919.0	491.3	495.1	390.8	310.6	273.7	260.9	254.6	253.3
70°	7729.8	5490.9	639.0	470.9	482.4	388.2	288.9	250.7	234.2	225.3	224.0
72.5°	6107.0	4192.7	516.8	430.2	437.9	350.0	257.1	225.3	211.3	199.8	199.8
75°	3930.5	2558.4	431.5	383.1	357.7	272.4	222.7	201.1	187.1	175.6	175.6
77.5°	1322.5	949.5	334.8	324.6	267.3	204.9	187.1	173.1	161.6	151.5	150.2
80°	537.1	450.6	245.7	245.7	187.1	156.6	146.4	140.0	132.4	119.6	119.6
82.5°	311.8	273.7	171.8	148.9	124.7	108.2	101.8	95.5	95.5	86.6	86.6
85°	150.2	151.5	103.1	91.6	71.3	62.4	59.8	56.0	54.7	49.6	48.4
87.5°	81.5	82.7	52.2	40.7	28.0	24.2	20.4	19.1	17.8	16.5	16.5
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)