

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: P635902

Luminaire Tested: GWS-SA3E-760-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635902
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-760-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22146.6 lumens
Efficiency: N/A
Efficacy: 139.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B4 - U0 - G4

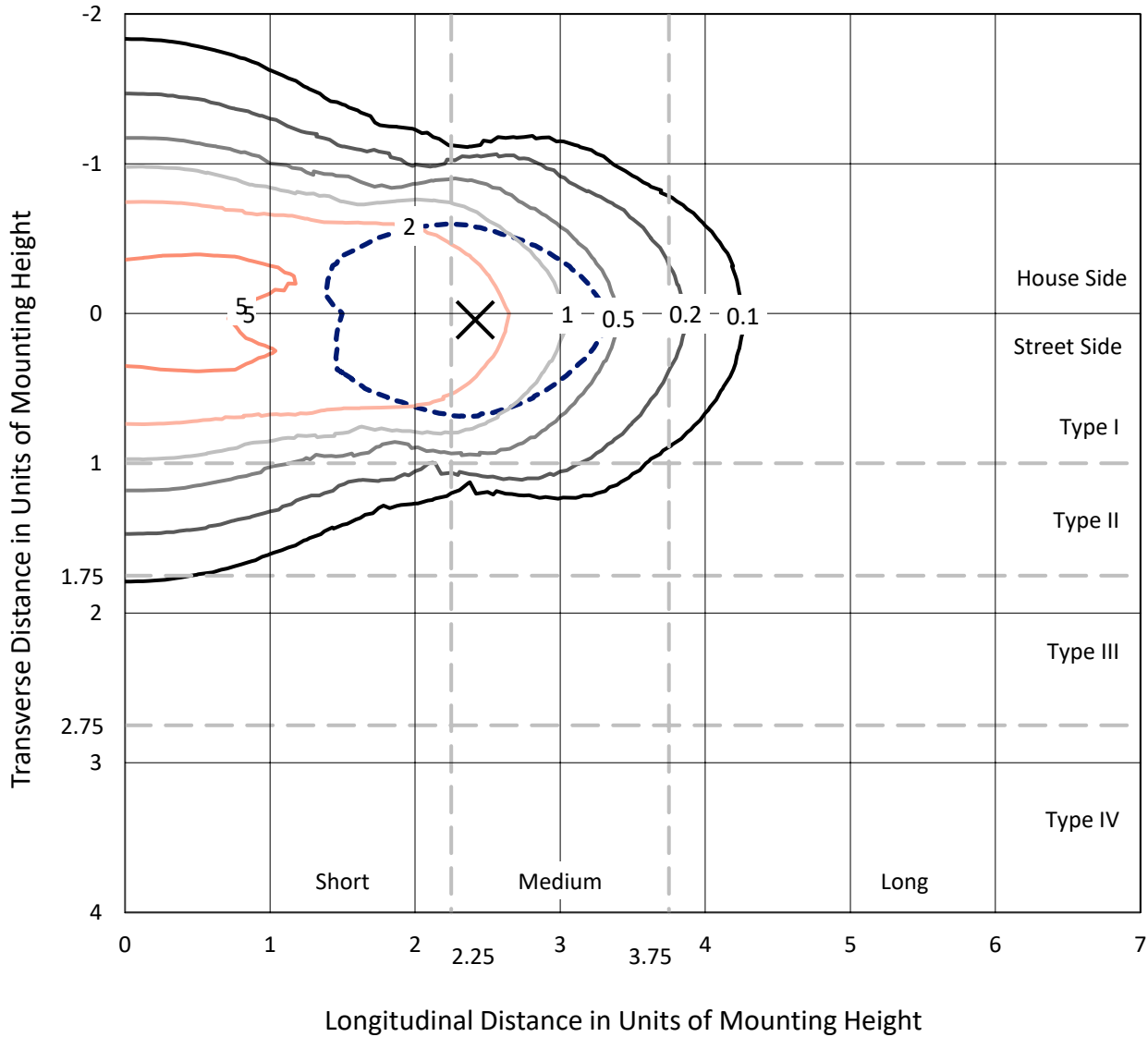
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

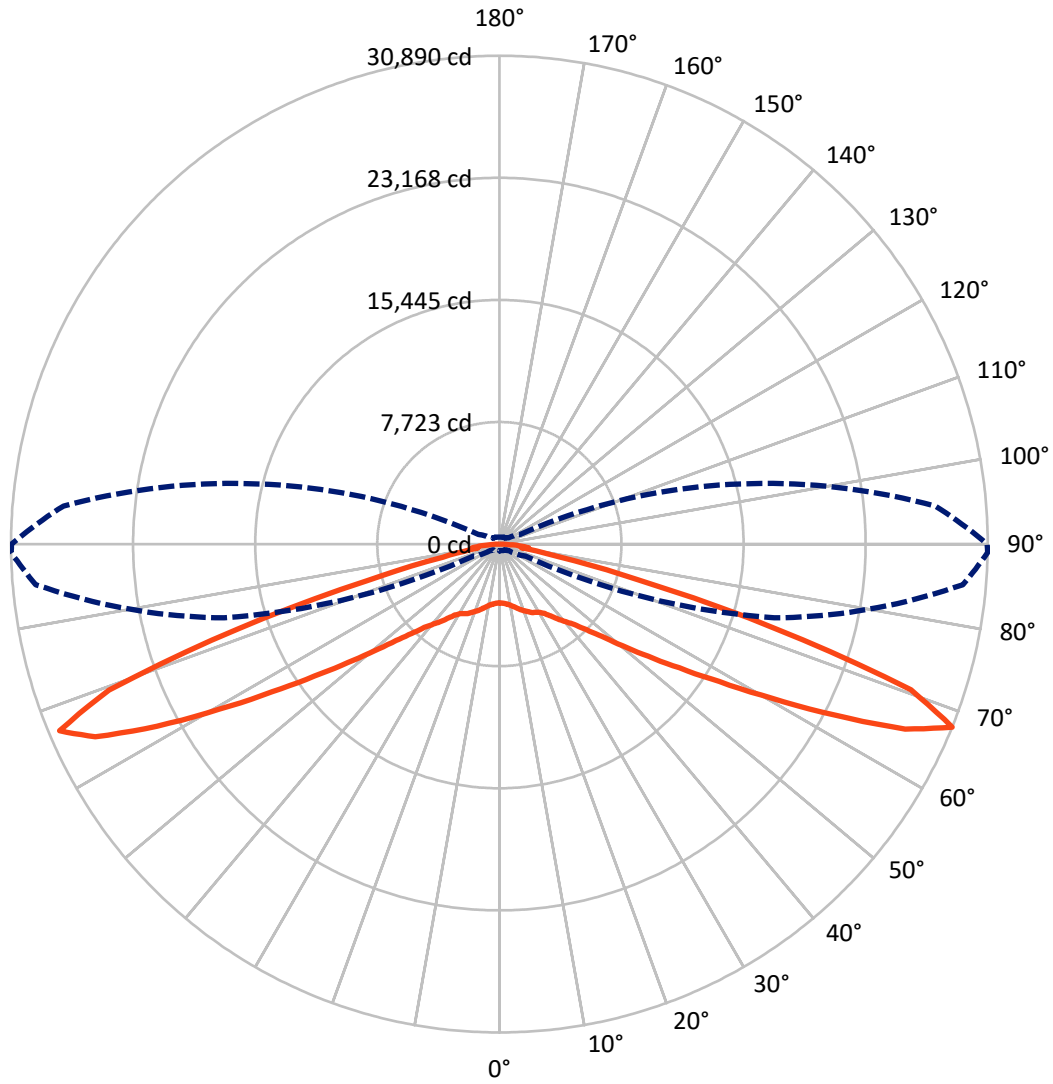
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10976.2	0.0	10976.2
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	11170.4	0.0	11170.4
	% Fixture	50.4	0.0	50.4
Total	Lumens	22146.6	0.0	22146.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.9	1.7
10°-20°	1214.1	5.5
20°-30°	2052.3	9.3
30°-40°	2816.6	12.7
40°-50°	3591.8	16.2
50°-60°	4506.4	20.3
60°-70°	5435.1	24.5
70°-80°	1966.3	8.9
80°-90°	191.2	0.9
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°	22146.6	100.0
0°-180°	22146.6	100.0

Coefficient of Utilization



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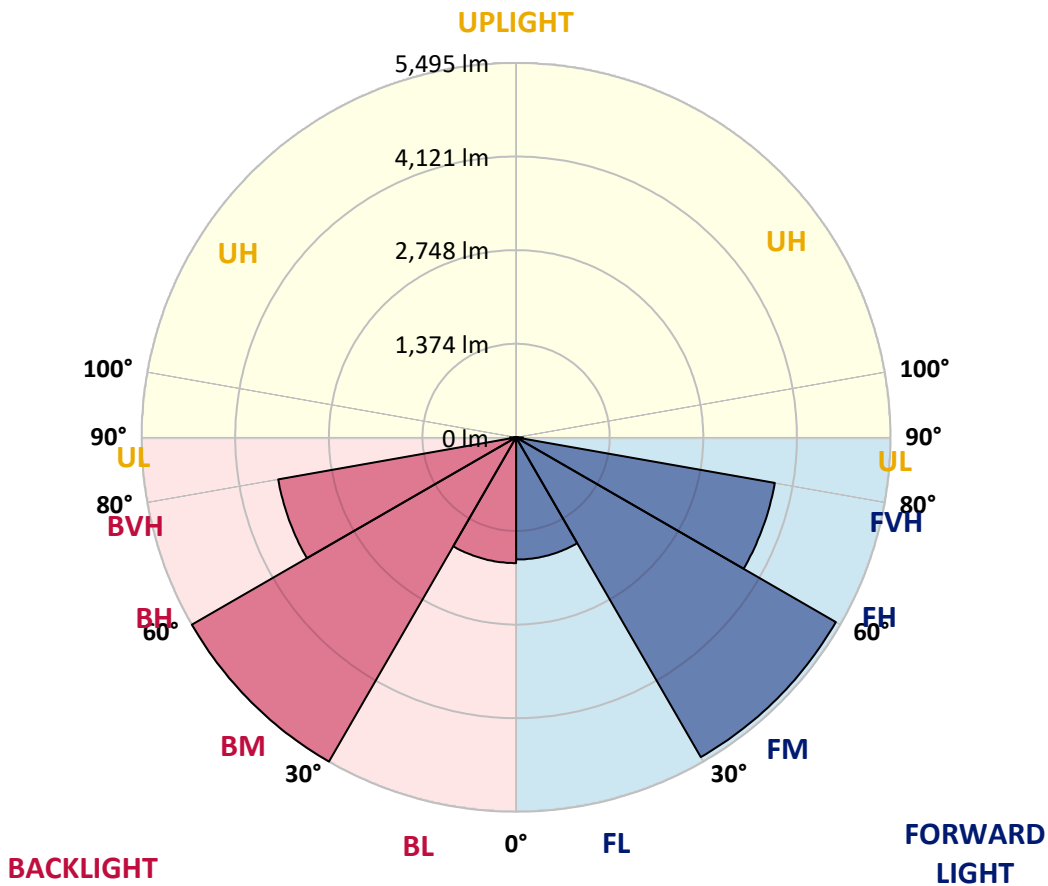
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1793.7	8.1			
FM (30°-60°)	5419.7	24.5			
FH (60°-80°)	3856.1	17.4			G2/5000
FVH (80°-90°)	100.9	0.5			G2/225
BL (0°-30°)	1845.6	8.3	B3/2500		
BM (30°-60°)	5495.0	24.8	B4/8500		
BH (60°-80°)	3545.3	16.0	B4/5000		G4/5000
BVH (80°-90°)	90.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	3717.1	3717.1	3717.1	3717.1	3717.1	3717.1	3717.1	3717.1	3717.1	3717.1	3717.1
2.5°	3728.3	3725.1	3717.1	3741.0	3736.2	3737.8	3747.3	3741.0	3729.9	3710.8	3737.8
5°	3833.2	3831.6	3814.2	3828.5	3812.6	3801.4	3799.8	3783.9	3771.2	3750.5	3779.2
7.5°	3935.0	3933.4	3919.1	3944.6	3931.9	3919.1	3904.8	3873.0	3842.8	3812.6	3844.4
10°	4013.0	4011.4	4008.2	4044.8	4048.0	4052.7	4046.4	3992.3	3939.8	3903.2	3935.0
12.5°	4057.5	4062.3	4070.2	4137.0	4170.4	4202.2	4210.2	4165.7	4078.2	4025.7	4063.9
15°	4027.3	4036.8	4076.6	4197.5	4289.7	4361.3	4391.5	4354.9	4242.0	4154.5	4197.5
17.5°	3882.5	3890.5	3968.4	4152.9	4356.5	4521.9	4571.3	4549.0	4423.3	4316.8	4358.1
20°	3682.1	3699.6	3783.9	4041.6	4345.4	4633.3	4765.3	4757.4	4620.6	4456.7	4506.0
22.5°	3500.8	3521.5	3610.6	3895.3	4270.6	4661.9	4960.9	4981.6	4800.3	4596.7	4636.5
25°	3297.2	3316.3	3430.8	3721.9	4141.8	4639.7	5128.0	5221.8	5003.9	4757.4	4793.9
27.5°	3088.9	3103.2	3216.1	3526.3	3973.2	4598.3	5260.0	5485.8	5204.3	4868.7	4894.1
30°	2905.9	2925.0	3028.4	3330.6	3788.7	4515.6	5368.1	5767.4	5434.9	4994.3	5015.0
32.5°	2729.4	2745.3	2858.2	3138.2	3593.1	4388.3	5465.1	6098.2	5776.9	5228.2	5228.2
35°	2506.7	2535.3	2662.6	2953.7	3408.6	4219.7	5535.1	6483.1	6244.5	5573.3	5574.9
37.5°	2301.5	2317.4	2451.0	2745.3	3214.5	4028.9	5541.5	6882.3	6836.2	6012.3	6015.5
40°	2067.7	2088.4	2231.5	2522.6	2991.8	3828.5	5481.1	7254.5	7456.5	6464.0	6446.5
42.5°	1830.7	1861.0	1997.7	2282.4	2751.7	3583.5	5320.4	7609.2	8243.8	6987.3	6944.4
45°	1601.7	1620.8	1757.6	2026.4	2476.5	3290.9	5062.7	7949.6	9179.1	7782.6	7720.6
47.5°	1344.0	1352.0	1493.5	1751.2	2191.8	2964.8	4693.7	8253.4	10206.6	8835.5	8729.0
50°	1115.0	1126.1	1237.5	1458.5	1843.5	2578.3	4234.1	8431.5	11515.6	10271.8	10087.3
52.5°	901.8	913.0	1002.1	1178.6	1523.8	2137.7	3664.6	8390.2	12843.7	12054.8	11786.0
55°	728.5	736.4	796.9	935.2	1199.3	1700.3	2991.8	8019.6	14318.2	14383.4	13804.4
57.5°	615.5	618.7	660.1	744.4	936.8	1310.6	2309.5	7144.8	15864.2	17354.6	16403.4
60°	550.3	551.9	571.0	623.5	739.6	1000.5	1692.4	5751.4	17465.9	21071.7	19767.4
62.5°	509.0	509.0	524.9	555.1	614.0	769.8	1243.8	4130.7	18615.9	25116.5	23820.2
65°	469.2	469.2	480.3	505.8	537.6	628.3	933.7	2664.2	19180.5	28498.0	28210.1
67.5°	418.3	419.9	427.9	454.9	483.5	524.9	707.8	1802.1	18008.3	29433.2	30890.2
70°	370.6	372.2	383.3	400.8	424.7	453.3	553.5	1242.2	13107.8	24513.6	27620.0
72.5°	318.1	324.5	332.4	351.5	365.8	386.5	451.7	804.8	7626.7	15768.8	18258.0
75°	260.9	268.8	278.3	297.4	307.0	314.9	372.2	574.2	3669.4	7991.0	9099.6
77.5°	202.0	210.0	221.1	238.6	244.9	254.5	284.7	415.1	1757.6	3542.2	3818.9
80°	135.2	138.4	147.9	168.6	179.7	186.1	210.0	283.1	763.5	1422.0	1409.2
82.5°	82.7	84.3	87.5	100.2	105.0	111.3	136.8	173.4	364.2	1616.0	1853.0
85°	30.2	28.6	27.0	35.0	41.4	47.7	63.6	87.5	159.1	1110.2	1242.2
87.5°	0.0	0.0	0.0	1.6	3.2	3.2	6.4	12.7	38.2	415.1	284.7
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°	3717.1	3717.1	3717.1	3717.1	3717.1	3717.1	3717.1	3717.1	3717.1	3717.1	3717.1
2.5°	3729.9	3712.4	3734.6	3750.5	3785.5	3798.2	3801.4	3790.3	3790.3	3771.2	3774.4
5°	3772.8	3761.7	3798.2	3825.3	3876.2	3895.3	3908.0	3900.0	3904.8	3892.1	3895.3
7.5°	3838.0	3828.5	3892.1	3944.6	3997.1	4019.3	4030.5	4024.1	4025.7	4009.8	4014.6
10°	3928.7	3931.9	4008.2	4076.6	4146.6	4168.8	4173.6	4154.5	4138.6	4110.0	4111.6
12.5°	4052.7	4068.6	4176.8	4253.1	4324.7	4356.5	4321.5	4251.6	4186.3	4137.0	4130.7
15°	4187.9	4216.6	4372.4	4469.5	4547.4	4531.5	4428.1	4270.6	4141.8	4068.6	4054.3
17.5°	4350.2	4393.1	4588.8	4704.9	4771.7	4669.9	4453.6	4218.2	4038.4	3939.8	3920.7
20°	4502.9	4571.3	4817.8	4968.9	4976.8	4747.8	4442.4	4111.6	3885.7	3764.8	3739.4
22.5°	4642.8	4730.3	5058.0	5250.4	5147.0	4782.8	4374.0	3960.5	3701.2	3559.7	3537.4
25°	4795.5	4919.6	5337.9	5517.6	5317.2	4768.5	4230.9	3772.8	3478.5	3333.8	3317.9
27.5°	4900.5	5056.4	5619.4	5791.2	5457.2	4687.4	4046.4	3567.6	3275.0	3138.2	3115.9
30°	5021.4	5220.2	5929.6	6088.6	5543.1	4568.1	3849.1	3376.7	3085.7	2937.8	2921.9
32.5°	5240.9	5490.6	6314.5	6403.6	5570.1	4420.2	3659.9	3192.2	2888.4	2740.5	2718.3
35°	5594.0	5886.6	6855.3	6755.1	5549.4	4257.9	3480.1	2975.9	2686.4	2548.1	2525.8
37.5°	6039.3	6403.6	7458.1	7071.6	5492.2	4079.8	3267.0	2794.6	2505.1	2365.2	2352.4
40°	6454.5	6903.0	8134.1	7345.2	5376.1	3860.3	3061.8	2605.3	2309.5	2161.6	2132.9
42.5°	6974.6	7571.0	8916.7	7582.2	5185.2	3597.8	2831.2	2371.5	2064.5	1930.9	1895.9
45°	7765.1	8506.3	9826.5	7809.6	4900.5	3275.0	2541.7	2086.8	1795.7	1658.9	1631.9
47.5°	8751.2	9675.3	10812.6	7944.8	4467.9	2934.6	2214.1	1786.2	1495.1	1340.8	1328.1
50°	10136.6	11375.7	11870.3	7921.0	3984.3	2530.6	1845.0	1428.3	1185.0	1073.6	1056.1
52.5°	11824.2	13510.2	13013.9	7634.7	3470.6	2070.9	1437.9	1121.3	940.0	860.5	846.2
55°	13941.2	16066.2	14218.0	7020.7	2821.6	1585.8	1129.3	884.3	760.3	712.6	706.2
57.5°	16562.5	19376.1	15377.5	5986.9	2121.8	1210.4	870.0	730.1	671.2	642.6	641.0
60°	20021.9	22889.7	16384.3	4652.4	1519.0	925.7	718.9	652.1	606.0	586.9	585.3
62.5°	24135.1	26080.3	17011.0	3168.4	1142.0	738.0	633.0	591.7	564.6	553.5	551.9
65°	28362.8	28097.2	16712.0	2075.7	866.9	626.7	567.8	545.6	521.7	510.6	510.6
67.5°	30860.0	27670.9	14416.8	1441.0	687.1	550.3	512.2	491.5	451.7	442.2	442.2
70°	27333.7	22422.1	9449.5	1054.5	556.7	481.9	445.4	416.7	400.8	391.3	389.7
72.5°	18078.3	14590.2	5024.6	731.7	464.4	410.4	377.0	365.8	346.7	337.2	335.6
75°	8997.8	7663.3	2575.1	528.1	386.5	329.2	314.9	310.2	294.3	281.5	278.3
77.5°	3750.5	3411.7	1200.9	383.3	294.3	265.6	252.9	252.9	235.4	221.1	214.7
80°	1414.0	1259.7	567.8	262.4	217.9	197.2	189.3	182.9	168.6	151.1	141.6
82.5°	1891.2	1235.9	278.3	163.8	143.2	127.2	116.1	111.3	103.4	95.4	89.1
85°	1224.7	878.0	125.7	84.3	71.6	54.1	47.7	44.5	39.8	35.0	31.8
87.5°	249.7	294.3	38.2	15.9	9.5	4.8	4.8	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)