

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: P636397

Luminaire Tested: GWS-SA3F-760-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636397
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-SA3F-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: 24623 lumens
Efficiency: N/A
Efficacy: 134.4 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

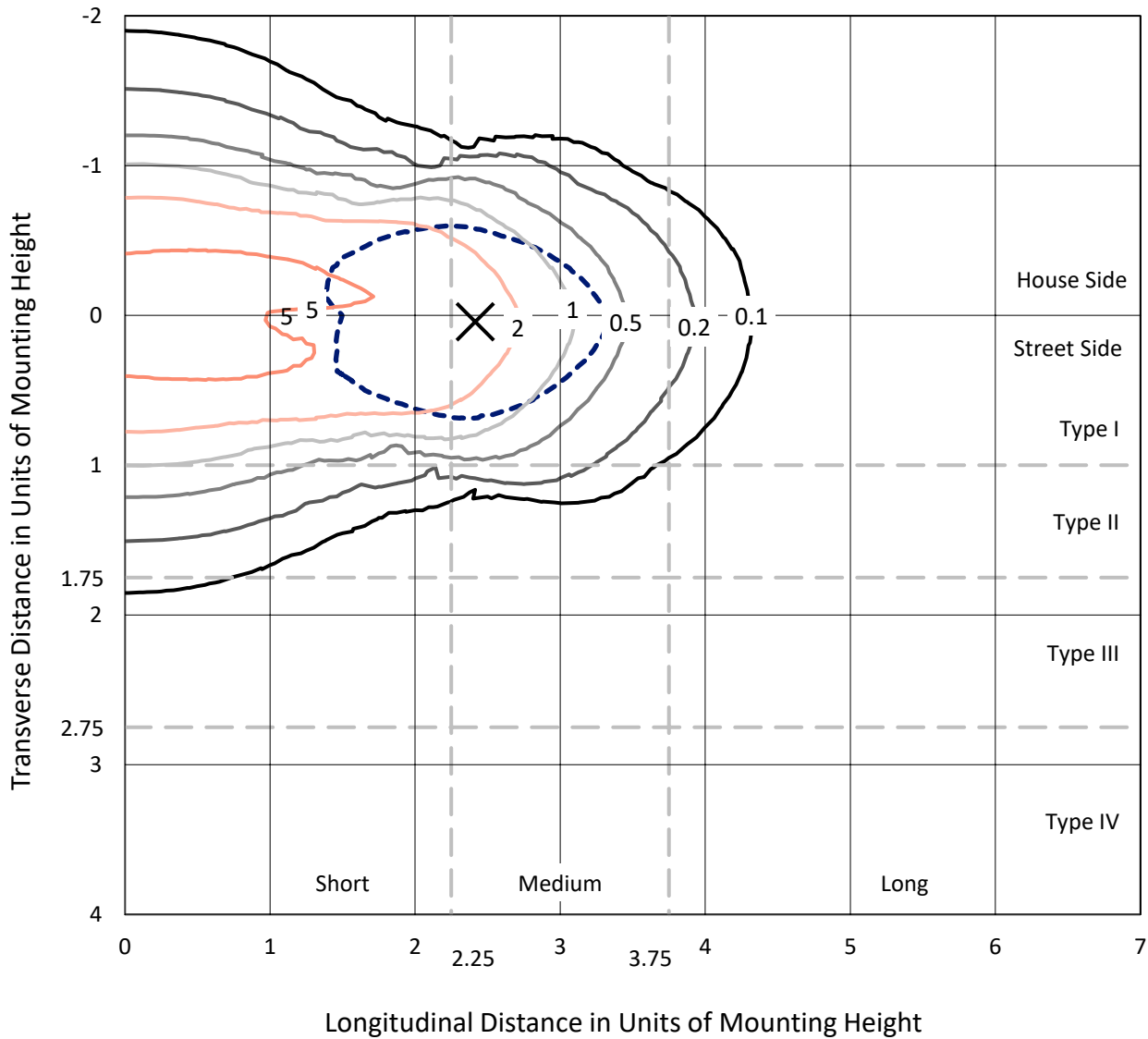
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

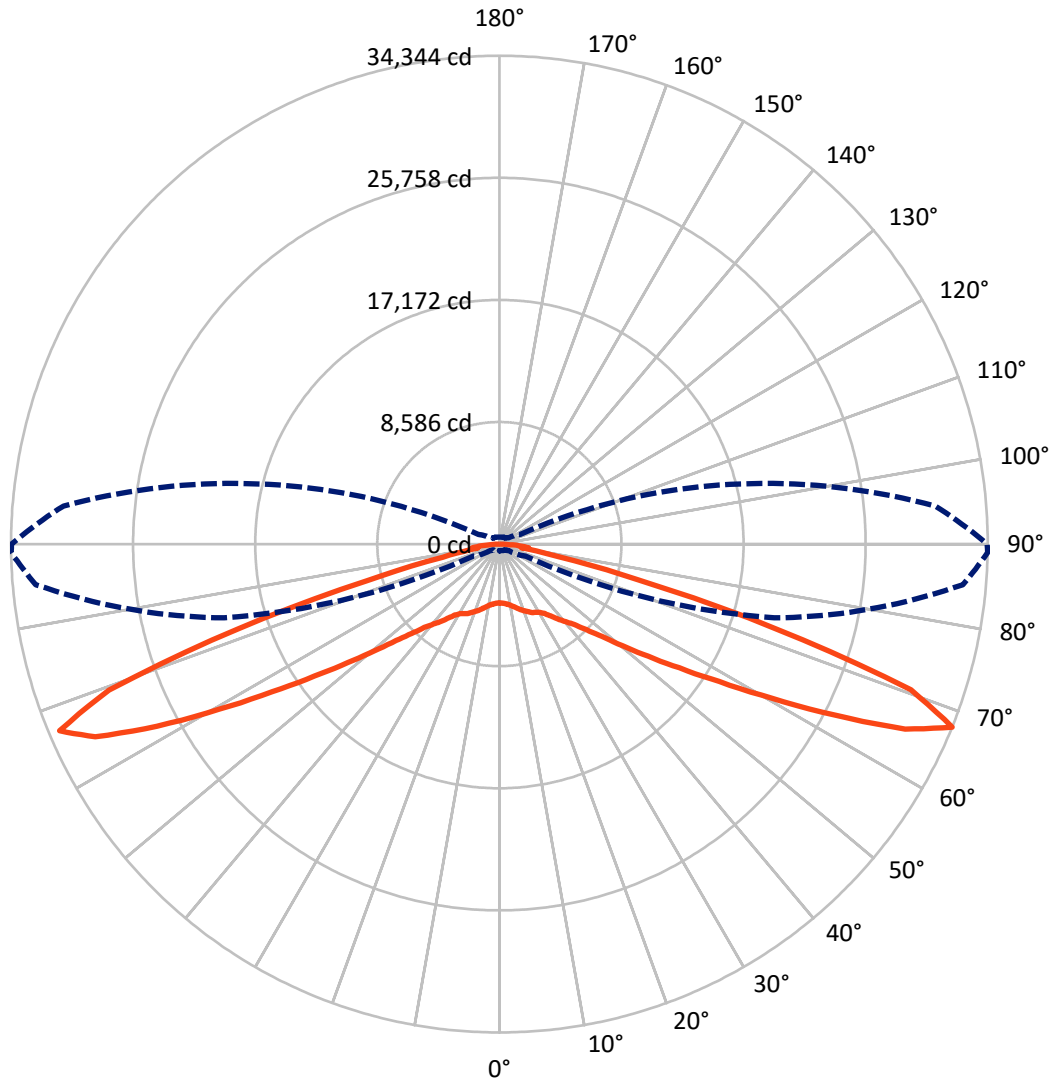
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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	12203.6	0.0	12203.6
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	12419.4	0.0	12419.4
	% Fixture	50.4	0.0	50.4
Total	Lumens	24623.0	0.0	24623.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.5	1.7
10°-20°	1349.8	5.5
20°-30°	2281.8	9.3
30°-40°	3131.5	12.7
40°-50°	3993.4	16.2
50°-60°	5010.3	20.3
60°-70°	6042.9	24.5
70°-80°	2186.1	8.9
80°-90°	212.6	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°	24623.0	100.0
0°-180°	24623.0	100.0

Coefficient of Utilization



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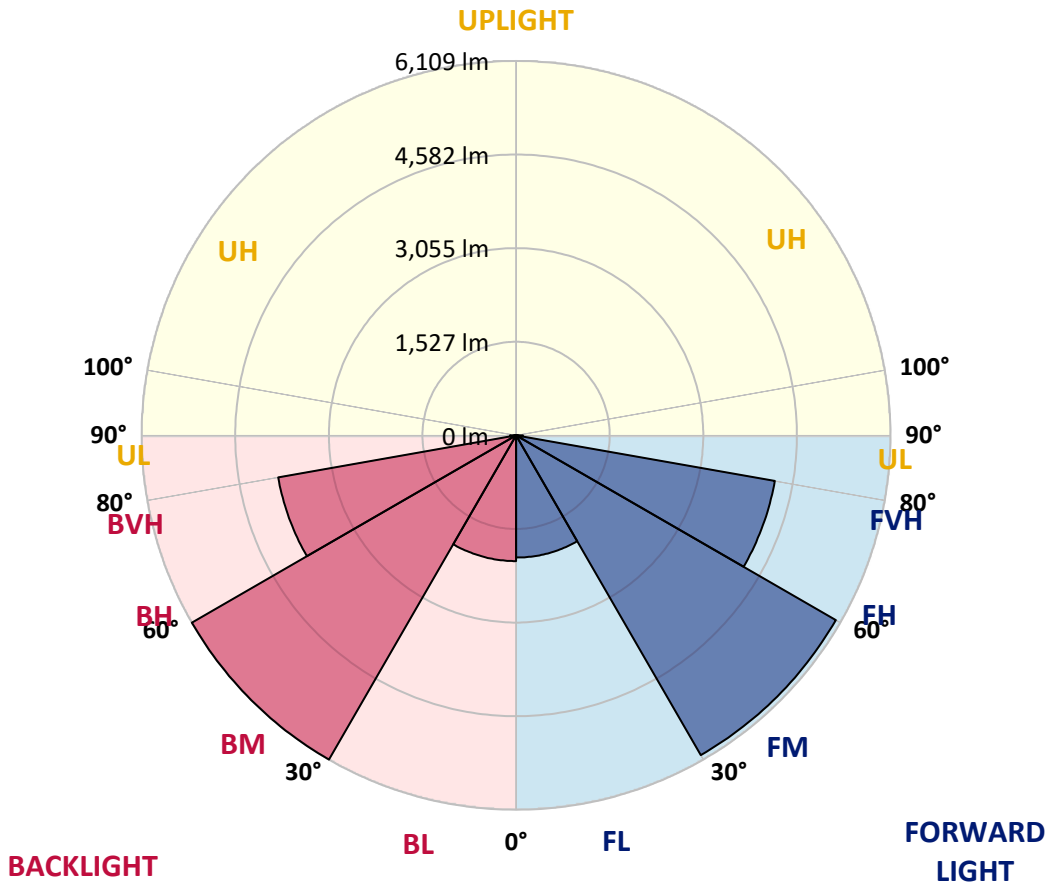
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1994.3	8.1			
FM (30°-60°)	6025.7	24.5			
FH (60°-80°)	4287.2	17.4			G2/5000
FVH (80°-90°)	112.2	0.5			G2/225
BL (0°-30°)	2051.9	8.3	B3/2500		
BM (30°-60°)	6109.5	24.8	B4/8500		
BH (60°-80°)	3941.8	16.0	B4/5000		G4/5000
BVH (80°-90°)	100.4	0.4			G2/225
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°	4132.8	4132.8	4132.8	4132.8	4132.8	4132.8	4132.8	4132.8	4132.8	4132.8	4132.8
2.5°	4145.2	4141.6	4132.8	4159.3	4154.0	4155.8	4166.4	4159.3	4146.9	4125.7	4155.8
5°	4261.9	4260.1	4240.6	4256.6	4238.9	4226.5	4224.7	4207.0	4192.9	4169.9	4201.7
7.5°	4375.0	4373.3	4357.4	4385.7	4371.5	4357.4	4341.4	4306.1	4272.5	4238.9	4274.2
10°	4461.7	4459.9	4456.4	4497.1	4500.6	4505.9	4498.8	4438.7	4380.3	4339.7	4375.0
12.5°	4511.2	4516.5	4525.4	4599.6	4636.8	4672.1	4681.0	4631.5	4534.2	4475.8	4518.3
15°	4477.6	4488.2	4532.4	4666.8	4769.4	4849.0	4882.6	4841.9	4716.3	4619.1	4666.8
17.5°	4316.7	4325.5	4412.2	4617.3	4843.7	5027.6	5082.4	5057.7	4917.9	4799.5	4845.4
20°	4093.9	4113.3	4207.0	4493.5	4831.3	5151.4	5298.2	5289.3	5137.2	4955.1	5009.9
22.5°	3892.3	3915.3	4014.3	4330.8	4748.2	5183.2	5515.7	5538.7	5337.1	5110.7	5154.9
25°	3665.9	3687.1	3814.5	4138.1	4604.9	5158.4	5701.4	5805.7	5563.4	5289.3	5330.0
27.5°	3434.3	3450.2	3575.7	3920.6	4417.5	5112.5	5848.1	6099.2	5786.2	5413.1	5441.4
30°	3230.9	3252.1	3367.1	3703.0	4212.4	5020.5	5968.4	6412.3	6042.7	5552.8	5575.8
32.5°	3034.6	3052.3	3177.8	3489.1	3994.8	4879.0	6076.3	6780.1	6422.9	5812.8	5812.8
35°	2787.0	2818.8	2960.3	3283.9	3789.7	4691.6	6154.1	7208.0	6942.8	6196.5	6198.3
37.5°	2558.9	2576.6	2725.1	3052.3	3574.0	4479.4	6161.1	7651.9	7600.6	6684.6	6688.1
40°	2298.9	2321.9	2481.1	2804.7	3326.4	4256.6	6093.9	8065.7	8290.3	7186.8	7167.4
42.5°	2035.4	2069.0	2221.1	2537.7	3059.3	3984.2	5915.3	8460.1	9165.7	7768.6	7720.9
45°	1780.8	1802.0	1954.1	2253.0	2753.4	3658.8	5628.8	8838.5	10205.5	8652.8	8583.9
47.5°	1494.3	1503.1	1660.5	1947.0	2436.9	3296.3	5218.6	9176.3	11347.9	9823.5	9705.0
50°	1239.7	1252.0	1375.8	1621.6	2049.6	2866.6	4707.5	9374.3	12803.3	11420.4	11215.3
52.5°	1002.7	1015.1	1114.1	1310.4	1694.1	2376.7	4074.4	9328.4	14279.9	13402.8	13103.9
55°	809.9	818.8	886.0	1039.8	1333.4	1890.4	3326.4	8916.3	15919.2	15991.7	15348.0
57.5°	684.4	687.9	733.9	827.6	1041.6	1457.2	2567.7	7943.7	17638.1	19295.1	18237.6
60°	611.9	613.6	634.9	693.2	822.3	1112.3	1881.6	6394.6	19418.9	23427.9	21977.8
62.5°	565.9	565.9	583.6	617.2	682.6	855.9	1382.9	4592.6	20697.5	27924.9	26483.7
65°	521.7	521.7	534.1	562.4	597.7	698.5	1038.1	2962.1	21325.2	31684.6	31364.5
67.5°	465.1	466.9	475.7	505.8	537.6	583.6	786.9	2003.6	20021.9	32724.4	34344.3
70°	412.0	413.8	426.2	445.6	472.2	504.0	615.4	1381.1	14573.5	27254.7	30708.4
72.5°	353.7	360.8	369.6	390.8	406.7	429.7	502.2	894.8	8479.5	17532.0	20299.6
75°	290.0	298.9	309.5	330.7	341.3	350.1	413.8	638.4	4079.7	8884.5	10117.1
77.5°	224.6	233.4	245.8	265.3	272.3	282.9	316.5	461.6	1954.1	3938.2	4246.0
80°	150.3	153.9	164.5	187.5	199.8	206.9	233.4	314.8	848.8	1581.0	1566.8
82.5°	92.0	93.7	97.3	111.4	116.7	123.8	152.1	192.8	405.0	1796.7	2060.2
85°	33.6	31.8	30.1	38.9	46.0	53.1	70.7	97.3	176.8	1234.3	1381.1
87.5°	0.0	0.0	0.0	1.8	3.5	3.5	7.1	14.1	42.4	461.6	316.5
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°	4132.8	4132.8	4132.8	4132.8	4132.8	4132.8	4132.8	4132.8	4132.8	4132.8	4132.8
2.5°	4146.9	4127.5	4152.2	4169.9	4208.8	4223.0	4226.5	4214.1	4214.1	4192.9	4196.4
5°	4194.7	4182.3	4223.0	4253.0	4309.6	4330.8	4345.0	4336.1	4341.4	4327.3	4330.8
7.5°	4267.2	4256.6	4327.3	4385.7	4444.0	4468.8	4481.1	4474.1	4475.8	4458.2	4463.5
10°	4368.0	4371.5	4456.4	4532.4	4610.2	4635.0	4640.3	4619.1	4601.4	4569.6	4571.3
12.5°	4505.9	4523.6	4643.8	4728.7	4808.3	4843.7	4804.8	4727.0	4654.5	4599.6	4592.6
15°	4656.2	4688.1	4861.4	4969.2	5055.9	5038.2	4923.3	4748.2	4604.9	4523.6	4507.7
17.5°	4836.6	4884.3	5101.9	5231.0	5305.2	5192.0	4951.5	4689.8	4490.0	4380.3	4359.1
20°	5006.4	5082.4	5356.5	5524.5	5533.4	5278.7	4939.2	4571.3	4320.2	4185.8	4157.5
22.5°	5162.0	5259.2	5623.5	5837.5	5722.6	5317.6	4863.1	4403.3	4115.1	3957.7	3932.9
25°	5331.8	5469.7	5934.8	6134.6	5911.8	5301.7	4704.0	4194.7	3867.5	3706.6	3688.9
27.5°	5448.5	5621.8	6247.8	6438.8	6067.4	5211.5	4498.8	3966.5	3641.2	3489.1	3464.3
30°	5582.9	5803.9	6592.6	6769.5	6162.9	5078.9	4279.6	3754.3	3430.7	3266.3	3248.6
32.5°	5826.9	6104.5	7020.6	7119.6	6193.0	4914.4	4069.1	3549.2	3211.4	3047.0	3022.2
35°	6219.5	6544.9	7621.8	7510.4	6170.0	4734.0	3869.3	3308.7	2986.8	2833.0	2808.2
37.5°	6714.6	7119.6	8292.1	7862.3	6106.3	4536.0	3632.3	3107.1	2785.2	2629.6	2615.5
40°	7176.2	7674.9	9043.6	8166.5	5977.2	4291.9	3404.2	2896.7	2567.7	2403.3	2371.4
42.5°	7754.5	8417.6	9913.7	8430.0	5765.0	4000.1	3147.8	2636.7	2295.4	2146.8	2107.9
45°	8633.4	9457.5	10925.2	8682.9	5448.5	3641.2	2825.9	2320.2	1996.5	1844.5	1814.4
47.5°	9729.8	10757.2	12021.6	8833.2	4967.5	3262.7	2461.6	1985.9	1662.3	1490.8	1476.6
50°	11270.1	12647.7	13197.6	8806.7	4429.9	2813.5	2051.4	1588.0	1317.5	1193.7	1174.2
52.5°	13146.4	15020.9	14469.1	8488.4	3858.7	2302.5	1598.6	1246.7	1045.1	956.7	940.8
55°	15500.1	17862.7	15807.8	7805.8	3137.2	1763.1	1255.6	983.2	845.3	792.2	785.2
57.5°	18414.4	21542.8	17097.0	6656.3	2359.1	1345.8	967.3	811.7	746.3	714.4	712.7
60°	22260.7	25449.2	18216.4	5172.6	1688.8	1029.2	799.3	725.0	673.8	652.5	650.8
62.5°	26833.8	28996.6	18913.1	3522.7	1269.7	820.5	703.8	657.8	627.8	615.4	613.6
65°	31534.3	31238.9	18580.7	2307.8	963.8	696.8	631.3	606.6	580.0	567.7	567.7
67.5°	34310.7	30765.0	16028.9	1602.2	764.0	611.9	569.4	546.4	502.2	491.6	491.6
70°	30390.1	24929.3	10506.1	1172.5	618.9	535.8	495.2	463.3	445.6	435.0	433.3
72.5°	20099.7	16221.6	5586.4	813.5	516.4	456.2	419.1	406.7	385.5	374.9	373.1
75°	10003.9	8520.2	2863.1	587.1	429.7	366.1	350.1	344.8	327.2	313.0	309.5
77.5°	4169.9	3793.2	1335.1	426.2	327.2	295.3	281.2	281.2	261.7	245.8	238.7
80°	1572.1	1400.6	631.3	291.8	242.3	219.3	210.4	203.4	187.5	168.0	157.4
82.5°	2102.6	1374.1	309.5	182.1	159.2	141.5	129.1	123.8	114.9	106.1	99.0
85°	1361.7	976.2	139.7	93.7	79.6	60.1	53.1	49.5	44.2	38.9	35.4
87.5°	277.6	327.2	42.4	17.7	10.6	5.3	5.3	1.8	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)