

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: P635777

Luminaire Tested: GWS-SA3E-740-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635777
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-SA3E-740-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21610.8 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

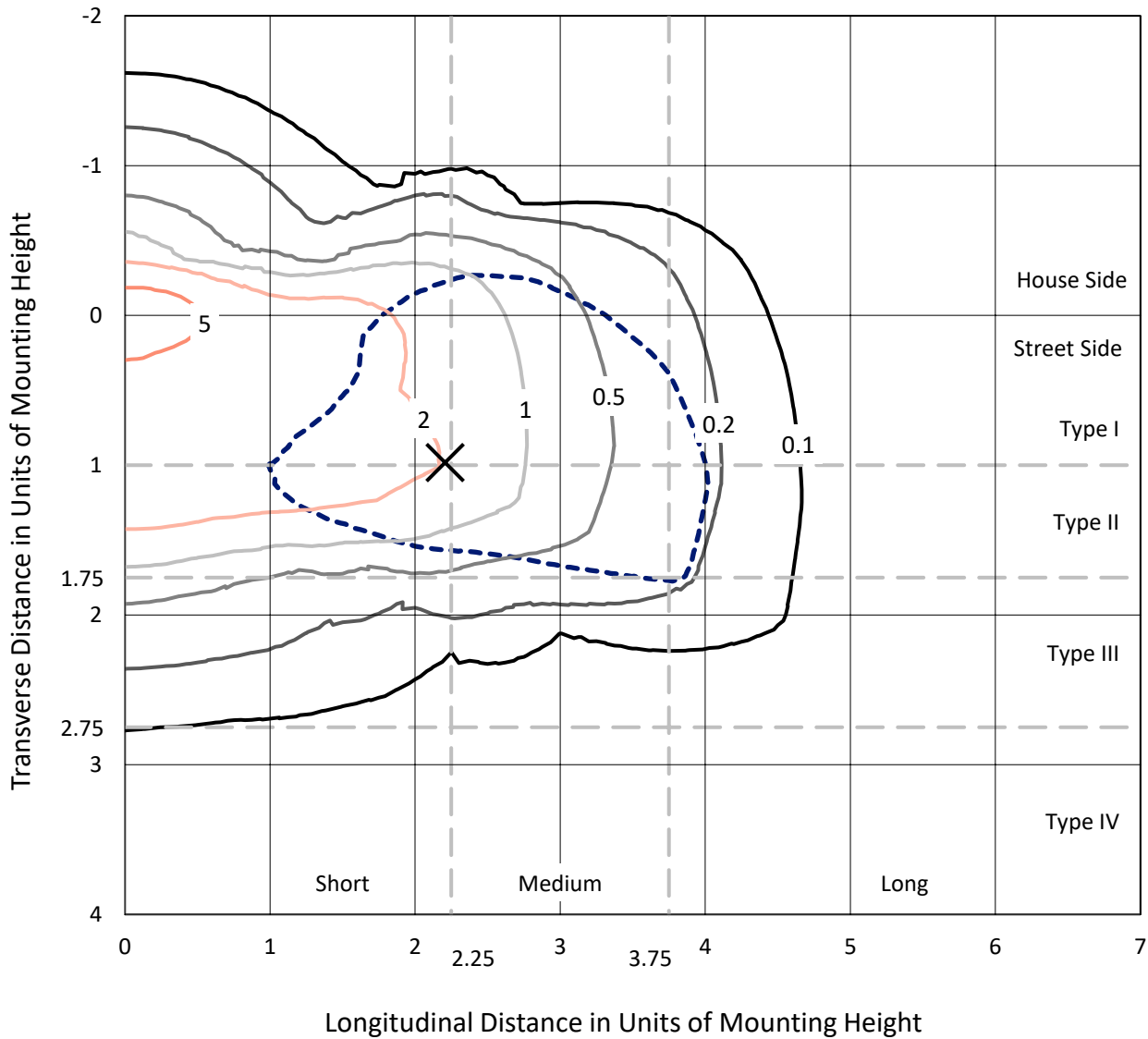
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

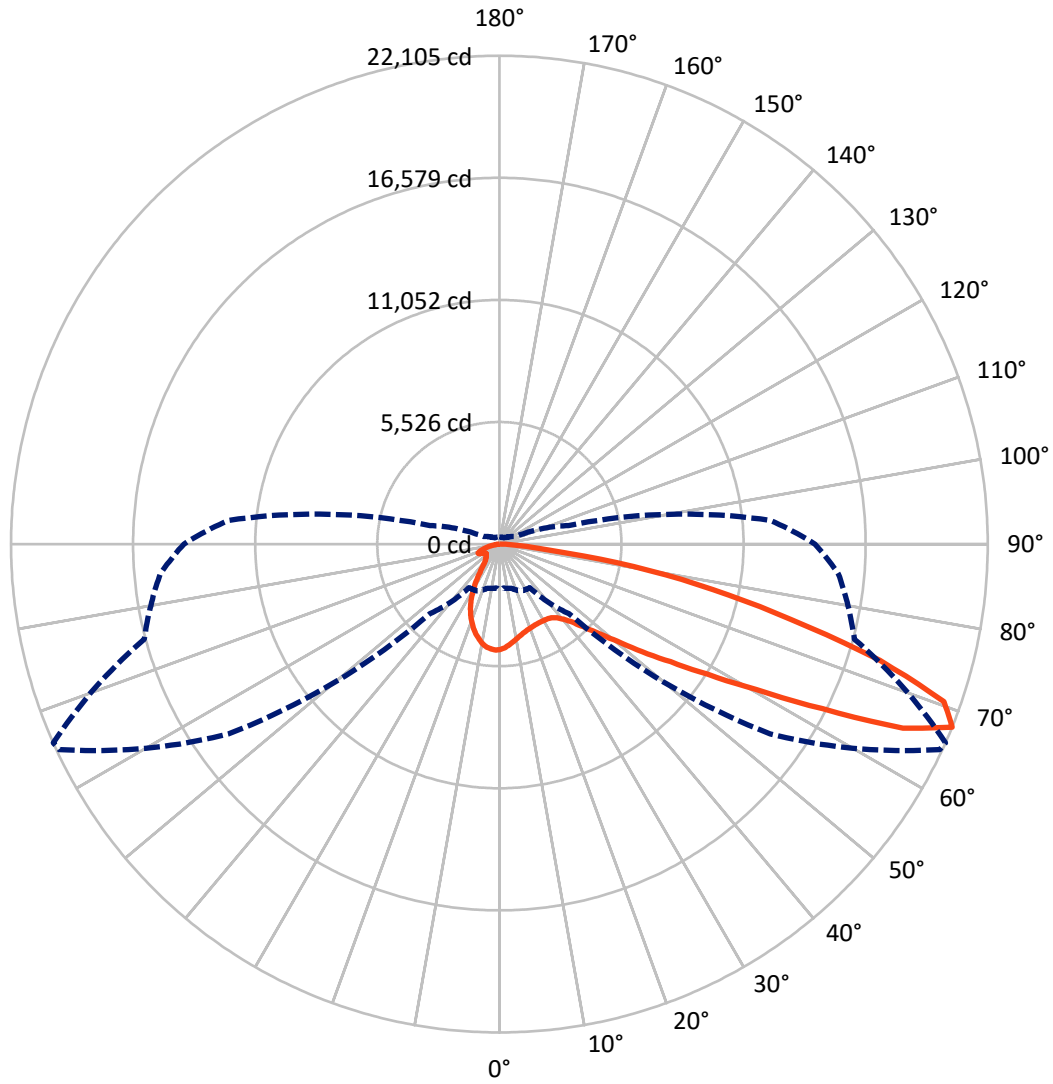
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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	4385.3	0.0	4385.3
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	17225.5	0.0	17225.5
	% Fixture	79.7	0.0	79.7
Total	Lumens	21610.8	0.0	21610.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	419.1	1.9
10°-20°	1030.0	4.8
20°-30°	1415.7	6.6
30°-40°	1935.6	9.0
40°-50°	2932.9	13.6
50°-60°	4559.2	21.1
60°-70°	5550.8	25.7
70°-80°	3381.3	15.6
80°-90°	386.2	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°	21610.8	100.0
0°-180°	21610.8	100.0

Coefficient of Utilization



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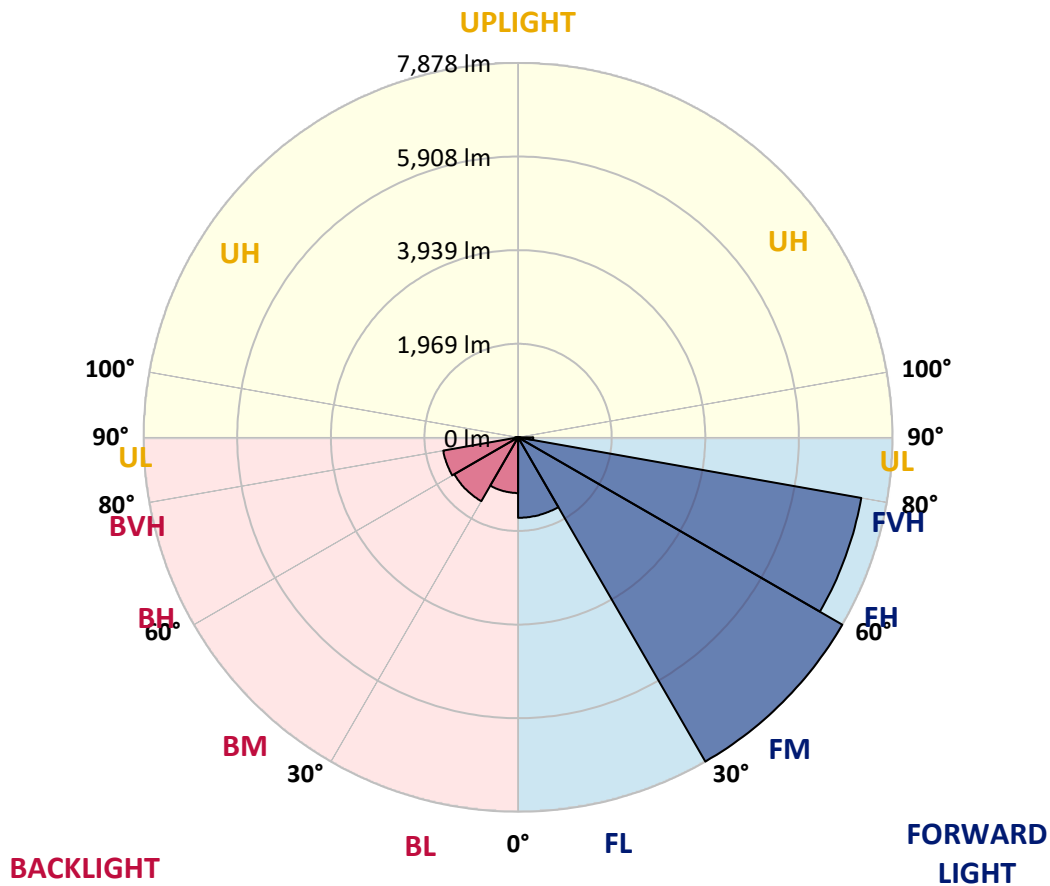
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1693.3	7.8			
FM (30°-60°)	7878.0	36.5			
FH (60°-80°)	7333.1	33.9			G3/7500
FVH (80°-90°)	321.1	1.5			G3/500
BL (0°-30°)	1171.5	5.4	B3/2500		
BM (30°-60°)	1549.7	7.2	B2/2500		
BH (60°-80°)	1599.0	7.4	B3/2500		G3/2500
BVH (80°-90°)	65.1	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°	4775.4	4775.4	4775.4	4775.4	4775.4	4775.4	4775.4	4775.4	4775.4	4775.4	4775.4
2.5°	4472.7	4488.4	4479.0	4538.9	4542.0	4617.7	4660.3	4696.5	4699.7	4747.0	4778.5
5°	4166.8	4176.3	4176.3	4233.0	4270.9	4371.8	4469.5	4573.6	4581.5	4695.0	4781.7
7.5°	3919.3	3928.8	3922.5	3998.1	4047.0	4158.9	4283.5	4442.7	4458.5	4641.4	4792.7
10°	3725.4	3722.2	3738.0	3807.4	3870.4	4004.4	4143.2	4324.5	4348.1	4579.9	4805.3
12.5°	3593.0	3596.1	3605.6	3678.1	3745.9	3878.3	4021.8	4218.9	4244.1	4508.9	4799.0
15°	3529.9	3523.6	3531.5	3597.7	3662.3	3779.0	3927.2	4130.6	4155.8	4445.9	4800.6
17.5°	3515.7	3511.0	3509.4	3556.7	3605.6	3714.4	3856.2	4062.8	4089.6	4404.9	4810.1
20°	3559.9	3553.5	3536.2	3556.7	3577.2	3668.6	3805.8	4013.9	4043.9	4378.1	4829.0
22.5°	3681.2	3670.2	3643.4	3618.2	3591.4	3646.6	3774.3	3977.6	4007.6	4360.7	4847.9
25°	3865.7	3856.2	3827.9	3771.1	3673.4	3663.9	3768.0	3961.9	3991.8	4348.1	4855.8
27.5°	4119.5	4105.3	4077.0	3995.0	3835.7	3728.5	3791.6	3960.3	3988.7	4333.9	4847.9
30°	4420.6	4411.2	4395.4	4296.1	4083.3	3865.7	3845.2	3972.9	3995.0	4326.1	4832.1
32.5°	4726.5	4717.0	4729.7	4682.4	4420.6	4092.7	3961.9	4007.6	4023.4	4324.5	4817.9
35°	4996.1	5007.1	5098.6	5106.4	4849.5	4400.2	4146.3	4088.0	4091.2	4356.0	4824.2
37.5°	5278.3	5320.9	5440.7	5543.2	5328.7	4806.9	4420.6	4239.3	4236.2	4436.4	4863.7
40°	5651.9	5670.9	5823.8	6016.1	5882.1	5365.0	4810.1	4486.9	4464.8	4600.4	4969.3
42.5°	6016.1	6061.8	6306.2	6526.9	6482.8	5994.0	5300.4	4857.4	4817.9	4890.5	5186.9
45°	6479.6	6523.8	6798.1	7081.9	7162.3	6705.1	5927.8	5383.9	5344.5	5327.2	5585.7
47.5°	6943.1	6988.9	7234.8	7644.7	7926.9	7594.2	6744.5	6079.2	6014.5	5946.8	6188.0
50°	7255.3	7308.9	7543.8	8035.7	8697.8	8704.1	7712.5	6990.4	6908.4	6801.2	7036.1
52.5°	7244.3	7278.9	7502.8	8070.4	9252.8	9979.6	9008.4	8150.8	8084.6	7851.2	8056.2
55°	6675.1	6727.1	6952.6	7662.0	9312.7	11188.8	10912.9	9519.2	9401.0	8983.2	9208.6
57.5°	5532.1	5576.3	5803.3	6678.3	8781.4	11808.4	13331.3	11262.9	11100.5	10216.1	10476.2
60°	4176.3	4122.7	4229.9	4996.1	7510.7	11824.1	15466.0	13627.7	13356.5	11534.0	11751.6
62.5°	3134.2	3080.6	3104.2	3320.2	5092.3	10868.7	16683.1	16862.8	16415.0	13022.3	12979.7
65°	2476.8	2446.8	2514.6	2662.8	2968.6	8276.9	16692.5	20361.2	20079.0	14747.1	14239.4
67.5°	2018.0	1999.1	2068.4	2342.8	2407.4	4447.5	14967.8	21994.5	22104.8	16635.8	15407.6
70°	1625.4	1597.0	1705.8	2066.9	2238.7	2691.2	10722.1	21162.0	21340.2	17761.4	15078.1
72.5°	1122.5	1124.1	1179.3	1674.3	2161.5	2323.8	6065.0	17621.1	18007.4	16741.4	13255.6
75°	756.7	763.1	778.8	1105.2	1991.2	2254.5	3231.9	13340.8	13613.5	13837.4	10957.0
77.5°	457.2	460.4	496.6	668.5	1373.2	2104.7	2189.8	9670.6	9885.0	9121.9	6791.8
80°	264.9	275.9	309.0	447.7	927.0	1581.3	1694.8	5929.4	6172.2	4054.9	2158.3
82.5°	116.7	124.5	168.7	260.1	540.8	1344.8	1322.7	2342.8	2308.1	1130.4	748.9
85°	20.5	25.2	36.3	82.0	198.6	709.4	1026.3	1034.2	972.7	428.8	310.6
87.5°	0.0	0.0	0.0	0.0	0.0	4.7	154.5	277.5	275.9	121.4	107.2
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°	4775.4	4775.4	4775.4	4775.4	4775.4	4775.4	4775.4	4775.4	4775.4	4775.4	4775.4
2.5°	4799.0	4756.5	4794.3	4799.0	4791.1	4784.8	4737.5	4696.5	4691.8	4647.7	4647.7
5°	4816.4	4776.9	4795.9	4759.6	4702.9	4644.5	4543.6	4474.3	4442.7	4386.0	4386.0
7.5°	4840.0	4799.0	4776.9	4687.1	4554.7	4427.0	4264.6	4129.0	4073.8	3993.4	3990.3
10°	4862.1	4810.1	4734.4	4559.4	4348.1	4144.8	3908.3	3715.9	3585.1	3488.9	3488.9
12.5°	4860.5	4792.7	4642.9	4384.4	4092.7	3797.9	3482.6	3192.5	3019.1	2869.3	2859.9
15°	4857.4	4764.3	4526.3	4181.0	3794.8	3386.4	2957.6	2579.2	2322.3	2175.6	2163.0
17.5°	4854.2	4728.1	4395.4	3949.3	3432.2	2875.6	2309.6	1899.7	1685.3	1595.5	1598.6
20°	4854.2	4687.1	4255.1	3682.8	3014.4	2263.9	1694.8	1396.8	1343.2	1348.0	1352.7
22.5°	4840.0	4636.6	4099.0	3392.7	2549.3	1664.8	1250.2	1149.3	1177.7	1221.8	1228.1
25°	4806.9	4553.1	3917.7	3071.1	1995.9	1212.4	1020.0	1001.1	1053.1	1108.3	1124.1
27.5°	4754.9	4456.9	3714.4	2694.3	1469.3	974.3	897.1	895.5	936.5	977.5	991.7
30°	4699.7	4349.7	3499.9	2275.0	1064.2	848.2	818.2	818.2	838.7	863.9	860.8
32.5°	4635.1	4240.9	3269.8	1838.3	867.1	777.2	767.8	763.1	766.2	775.7	775.7
35°	4579.9	4144.8	3033.3	1376.3	777.2	737.8	728.4	717.3	712.6	706.3	709.4
37.5°	4559.4	4069.1	2788.9	1037.4	733.1	709.4	693.7	677.9	666.9	663.7	662.2
40°	4592.5	4037.5	2544.6	854.5	701.6	679.5	662.2	641.7	632.2	632.2	632.2
42.5°	4721.8	4061.2	2295.5	772.5	679.5	654.3	629.0	610.1	607.0	610.1	611.7
45°	4958.3	4152.6	2036.9	731.5	660.6	629.0	599.1	584.9	584.9	588.1	588.1
47.5°	5380.8	4392.3	1781.5	706.3	641.7	608.5	577.0	562.8	561.3	564.4	564.4
50°	6112.3	4824.2	1551.3	689.0	627.5	592.8	561.3	542.3	537.6	536.0	536.0
52.5°	7034.6	5573.1	1404.7	676.3	610.1	575.4	543.9	518.7	509.2	504.5	504.5
55°	8149.2	6571.1	1404.7	666.9	588.1	554.9	518.7	493.5	479.3	473.0	473.0
57.5°	9412.0	7733.0	1647.5	659.0	570.7	531.3	491.9	466.7	450.9	441.4	441.4
60°	10696.9	8961.1	2248.2	648.0	554.9	501.3	461.9	438.3	417.8	406.8	405.2
62.5°	12029.1	10313.8	3039.6	654.3	543.9	473.0	430.4	403.6	386.3	375.2	373.6
65°	13249.3	11601.8	3731.7	703.1	545.5	447.7	394.1	370.5	356.3	342.1	340.5
67.5°	14285.1	12312.9	3246.1	802.5	578.6	417.8	357.9	334.2	321.6	312.2	310.6
70°	13559.9	11228.2	1841.4	863.9	624.3	386.3	316.9	301.1	288.5	282.2	280.6
72.5°	11595.5	9506.6	1231.3	763.1	569.1	345.3	279.0	266.4	257.0	249.1	247.5
75°	9393.1	7539.1	941.2	625.9	443.0	280.6	239.6	230.2	220.7	212.8	211.3
77.5°	5557.3	4356.0	693.7	495.0	312.2	219.1	198.6	190.8	181.3	175.0	173.4
80°	1773.6	1513.5	439.9	340.5	206.5	168.7	152.9	146.6	137.2	129.3	127.7
82.5°	676.3	584.9	233.3	173.4	137.2	115.1	102.5	96.2	89.9	82.0	80.4
85°	299.5	280.6	129.3	93.0	74.1	56.8	50.4	47.3	39.4	33.1	31.5
87.5°	105.6	105.6	55.2	26.8	15.8	7.9	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)