

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: P635717

Luminaire Tested: GWS-SA3E-735-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635717
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-735-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19120.6 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

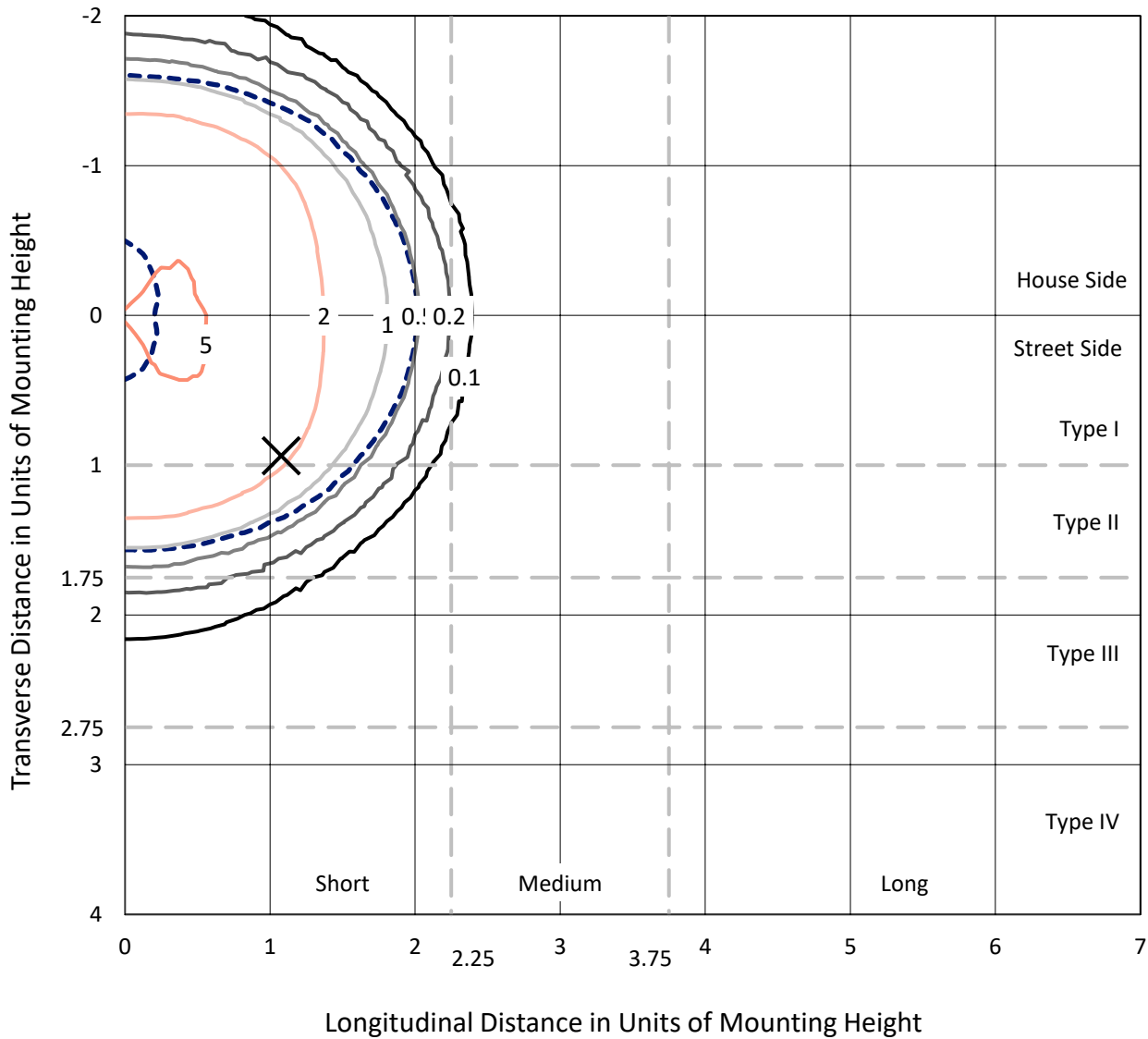
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

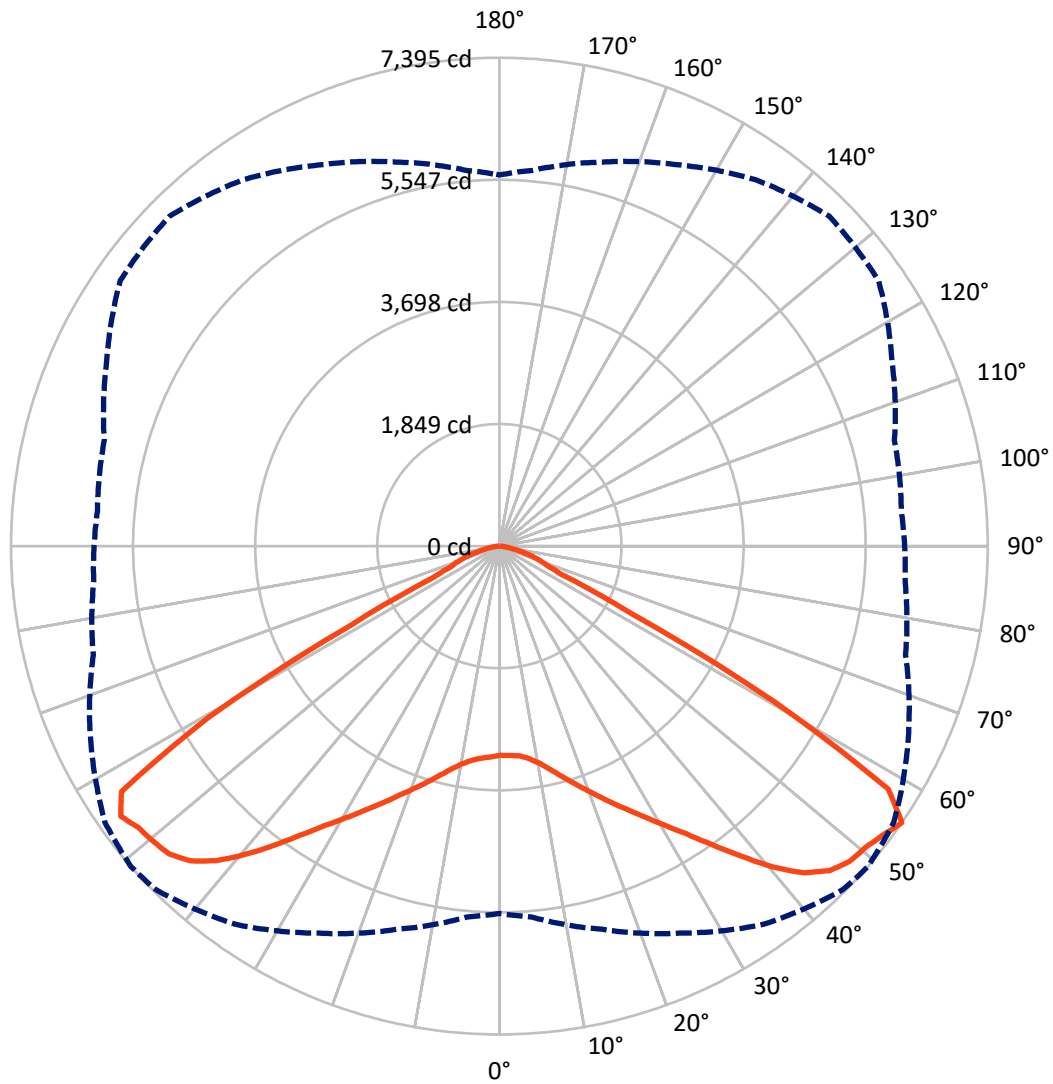
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9466.5	0.0	9466.5
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	9654.1	0.0	9654.1
	% Fixture	50.5	0.0	50.5
Total	Lumens	19120.6	0.0	19120.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.0	1.6
10°-20°	1019.2	5.3
20°-30°	1941.2	10.2
30°-40°	3290.8	17.2
40°-50°	4952.4	25.9
50°-60°	5420.9	28.4
60°-70°	1714.1	9.0
70°-80°	411.4	2.2
80°-90°	61.7	0.3
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°	19120.6	100.0
0°-180°	19120.6	100.0

Coefficient of Utilization



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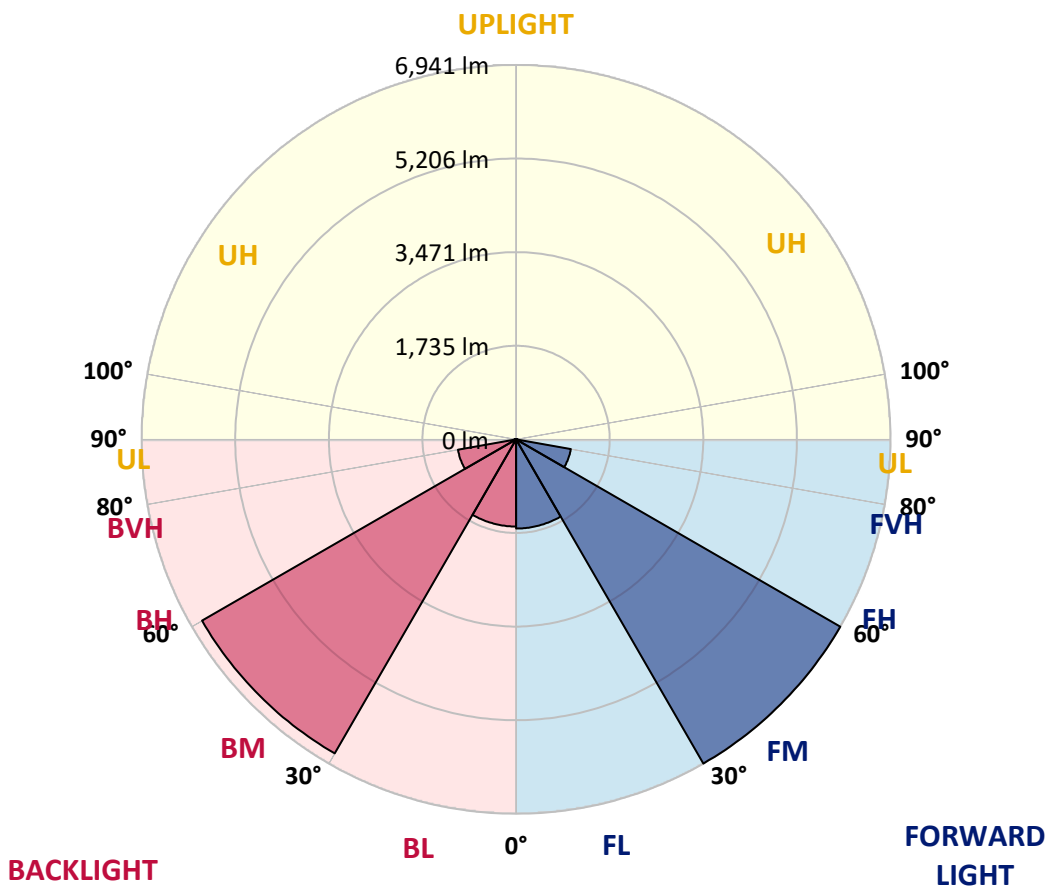
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1653.1	8.6			
FM (30°-60°)	6941.3	36.3			
FH (60°-80°)	1031.1	5.4			G1/1800
FVH (80°-90°)	28.6	0.1			G1/100
BL (0°-30°)	1616.2	8.5	B3/2500		
BM (30°-60°)	6722.7	35.2	B4/8500		
BH (60°-80°)	1094.4	5.7	B3/2500		G1/1800
BVH (80°-90°)	33.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4
2.5°	3120.8	3123.9	3130.1	3141.0	3151.9	3167.4	3173.7	3181.4	3179.9	3189.2	3189.2
5°	3105.2	3109.9	3119.2	3134.8	3153.4	3183.0	3190.8	3209.4	3228.1	3251.4	3259.2
7.5°	3123.9	3130.1	3141.0	3165.9	3193.9	3232.8	3248.3	3279.4	3315.2	3357.1	3374.3
10°	3159.7	3167.4	3186.1	3226.5	3271.6	3330.7	3344.7	3383.6	3441.1	3498.6	3532.9
12.5°	3200.1	3212.5	3246.7	3310.5	3377.4	3455.1	3476.9	3525.1	3587.3	3661.9	3708.6
15°	3246.7	3257.6	3310.5	3400.7	3504.9	3607.5	3632.4	3679.0	3749.0	3822.1	3887.4
17.5°	3344.7	3363.4	3425.6	3529.7	3651.0	3772.3	3800.3	3853.2	3909.2	3966.7	4028.9
20°	3478.4	3494.0	3573.3	3702.3	3845.4	3955.8	3983.8	4030.4	4056.9	4086.4	4139.3
22.5°	3612.2	3633.9	3724.1	3876.5	4044.4	4164.2	4185.9	4229.5	4210.8	4201.5	4235.7
25°	3778.5	3808.1	3896.7	4063.1	4234.1	4381.9	4399.0	4436.3	4405.2	4357.0	4355.4
27.5°	3985.3	4011.8	4103.5	4274.6	4444.1	4598.0	4630.7	4680.4	4612.0	4552.9	4510.9
30°	4231.0	4248.1	4349.2	4531.1	4705.3	4851.5	4893.4	4943.2	4891.9	4793.9	4751.9
32.5°	4517.1	4540.5	4657.1	4848.3	5003.8	5150.0	5192.0	5254.2	5198.2	5087.8	5034.9
35°	4860.8	4884.1	5007.0	5215.3	5373.9	5524.8	5554.3	5605.6	5535.6	5408.1	5366.1
37.5°	5234.0	5263.5	5419.0	5616.5	5782.9	5958.6	5960.1	5975.7	5876.2	5717.6	5670.9
40°	5653.8	5692.7	5848.2	6053.4	6254.0	6397.1	6395.5	6352.0	6184.1	5938.4	5866.8
42.5°	6069.0	6100.1	6257.1	6468.6	6669.2	6804.5	6764.1	6658.3	6415.7	6081.4	5986.6
45°	6369.1	6392.4	6557.2	6795.2	6998.9	7082.8	7009.7	6882.2	6554.1	6171.6	6031.7
47.5°	6510.6	6541.7	6708.1	6944.4	7174.6	7222.8	7135.7	7016.0	6635.0	6255.6	6067.4
50°	6434.4	6474.8	6663.0	6882.2	7141.9	7241.4	7179.2	7059.5	6720.5	6338.0	6131.2
52.5°	6236.9	6275.8	6513.7	6779.6	7073.5	7271.0	7269.4	7171.5	6818.5	6361.3	6134.3
55°	5562.1	5638.3	6008.3	6467.1	6989.5	7358.0	7395.4	7291.2	6834.0	6367.5	6167.0
57.5°	3619.9	3753.7	4105.1	4702.2	5750.2	6692.5	6944.4	6969.3	6722.1	6341.1	6173.2
60°	1511.4	1618.7	1897.0	2293.6	3159.7	4280.8	4769.0	5258.9	5849.7	6064.3	6115.6
62.5°	939.2	948.5	976.5	1066.7	1355.9	1903.3	2217.4	2676.1	3554.6	4302.6	4647.8
65°	847.5	852.1	858.3	852.1	866.1	933.0	1016.9	1177.1	1534.7	1906.4	2348.0
67.5°	746.4	752.6	757.3	752.6	757.3	760.4	769.7	783.7	849.0	901.9	942.3
70°	603.3	612.7	620.4	617.3	636.0	636.0	645.3	656.2	688.8	727.7	755.7
72.5°	460.3	452.5	461.8	464.9	482.0	491.4	505.4	517.8	555.1	578.4	614.2
75°	298.6	290.8	304.8	312.5	335.9	348.3	360.7	373.2	399.6	415.2	449.4
77.5°	161.7	160.2	174.2	185.0	209.9	225.5	234.8	244.1	265.9	270.6	292.3
80°	93.3	93.3	102.6	110.4	126.0	143.1	152.4	160.2	175.7	180.4	189.7
82.5°	51.3	51.3	56.0	60.6	73.1	82.4	90.2	96.4	110.4	115.1	119.7
85°	24.9	23.3	26.4	29.5	34.2	38.9	43.5	46.6	57.5	60.6	66.9
87.5°	3.1	3.1	3.1	4.7	6.2	9.3	10.9	10.9	17.1	20.2	23.3
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°	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4
2.5°	3198.5	3178.3	3190.8	3195.4	3195.4	3190.8	3170.6	3164.3	3155.0	3141.0	3141.0
5°	3270.1	3254.5	3257.6	3249.9	3231.2	3207.9	3170.6	3151.9	3136.3	3119.2	3117.7
7.5°	3392.9	3372.7	3369.6	3340.0	3290.3	3240.5	3184.5	3150.3	3127.0	3105.2	3103.7
10°	3553.1	3534.4	3511.1	3452.0	3378.9	3305.8	3229.6	3183.0	3148.8	3117.7	3116.1
12.5°	3731.9	3710.1	3666.6	3579.5	3487.8	3416.2	3329.2	3257.6	3206.3	3164.3	3156.6
15°	3926.3	3895.2	3820.5	3717.9	3627.7	3551.5	3458.2	3355.6	3277.8	3211.0	3203.2
17.5°	4075.5	4035.1	3954.3	3857.8	3783.2	3707.0	3585.7	3456.7	3344.7	3260.7	3248.3
20°	4178.2	4145.5	4053.8	3982.2	3938.7	3871.8	3730.3	3584.2	3458.2	3352.5	3346.3
22.5°	4273.0	4234.1	4144.0	4102.0	4102.0	4056.9	3921.6	3749.0	3601.3	3478.4	3462.9
25°	4380.3	4338.3	4269.9	4265.2	4287.0	4266.8	4103.5	3918.5	3745.9	3607.5	3582.6
27.5°	4529.6	4482.9	4442.5	4470.5	4501.6	4479.8	4297.9	4083.3	3901.4	3761.4	3739.7
30°	4767.5	4710.0	4672.6	4706.8	4767.5	4703.7	4506.3	4279.2	4095.8	3941.8	3930.9
32.5°	5044.3	4979.0	4940.1	4994.5	5048.9	4949.4	4753.5	4535.8	4343.0	4181.3	4162.6
35°	5377.0	5294.6	5237.1	5310.2	5366.1	5268.2	5073.8	4867.0	4652.4	4484.5	4459.6
37.5°	5672.5	5573.0	5534.1	5636.7	5711.3	5647.6	5436.1	5241.8	5007.0	4823.5	4812.6
40°	5887.1	5789.1	5761.1	5930.6	6061.2	6045.7	5856.0	5633.6	5412.8	5201.3	5181.1
42.5°	5980.4	5911.9	5918.2	6146.7	6348.9	6448.4	6278.9	6041.0	5828.0	5608.7	5594.7
45°	6000.6	5958.6	6008.3	6294.5	6560.4	6764.1	6619.4	6420.4	6179.4	5967.9	5961.7
47.5°	6022.3	5999.0	6075.2	6378.4	6694.1	6930.4	6849.6	6644.3	6400.2	6193.4	6177.8
50°	6073.7	6064.3	6149.8	6437.5	6757.8	6975.5	6883.8	6680.1	6429.7	6226.0	6188.7
52.5°	6089.2	6073.7	6196.5	6529.3	6863.6	6974.0	6776.5	6510.6	6258.7	6031.7	5992.8
55°	6137.4	6109.4	6193.4	6563.5	7009.7	7064.2	6770.3	6372.2	6020.8	5711.3	5619.6
57.5°	6149.8	6118.7	6173.2	6507.5	6851.1	6802.9	5950.8	5142.2	4479.8	4136.2	4175.1
60°	6083.0	6092.3	5999.0	5961.7	5495.2	4851.5	3643.3	2912.4	2287.3	2023.0	2080.5
62.5°	4630.7	4669.5	4350.8	3783.2	2909.3	2306.0	1525.4	1184.9	1002.9	956.3	964.1
65°	2337.1	2390.0	2058.8	1702.7	1265.7	1023.2	884.8	856.8	847.5	836.6	836.6
67.5°	925.2	940.7	928.3	869.2	808.6	786.8	780.6	777.5	766.6	760.4	761.9
70°	743.3	755.7	737.0	699.7	674.9	673.3	670.2	664.0	656.2	656.2	660.9
72.5°	606.4	618.9	592.4	569.1	550.5	536.5	528.7	524.0	513.1	513.1	517.8
75°	446.3	454.0	432.3	429.2	409.0	395.0	382.5	376.3	362.3	356.1	360.7
77.5°	297.0	295.4	284.6	284.6	276.8	259.7	245.7	231.7	213.0	200.6	203.7
80°	192.8	192.8	188.1	188.1	180.4	166.4	149.3	135.3	124.4	115.1	115.1
82.5°	122.8	121.3	119.7	118.2	115.1	101.1	88.6	79.3	71.5	65.3	66.9
85°	68.4	68.4	65.3	65.3	59.1	51.3	45.1	38.9	34.2	32.7	32.7
87.5°	23.3	23.3	21.8	21.8	18.7	14.0	10.9	9.3	7.8	6.2	7.8
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)