

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: P635772

Luminaire Tested: GWS-SA3E-740-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635772
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-740-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19386.3 lumens
Efficiency: N/A
Efficacy: 121.8 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

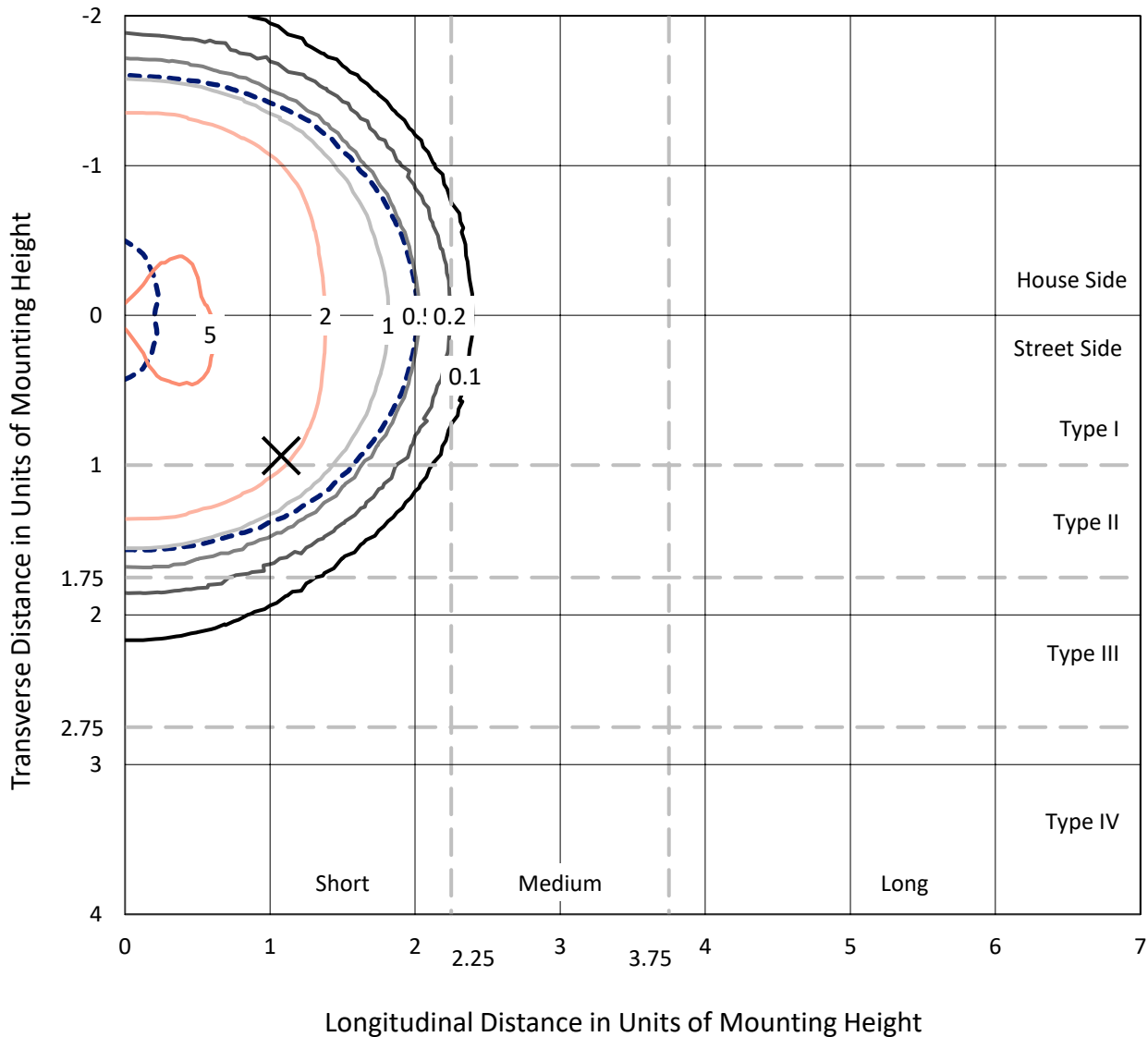


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Iso-Footcandle Lines of Horizontal Illumination

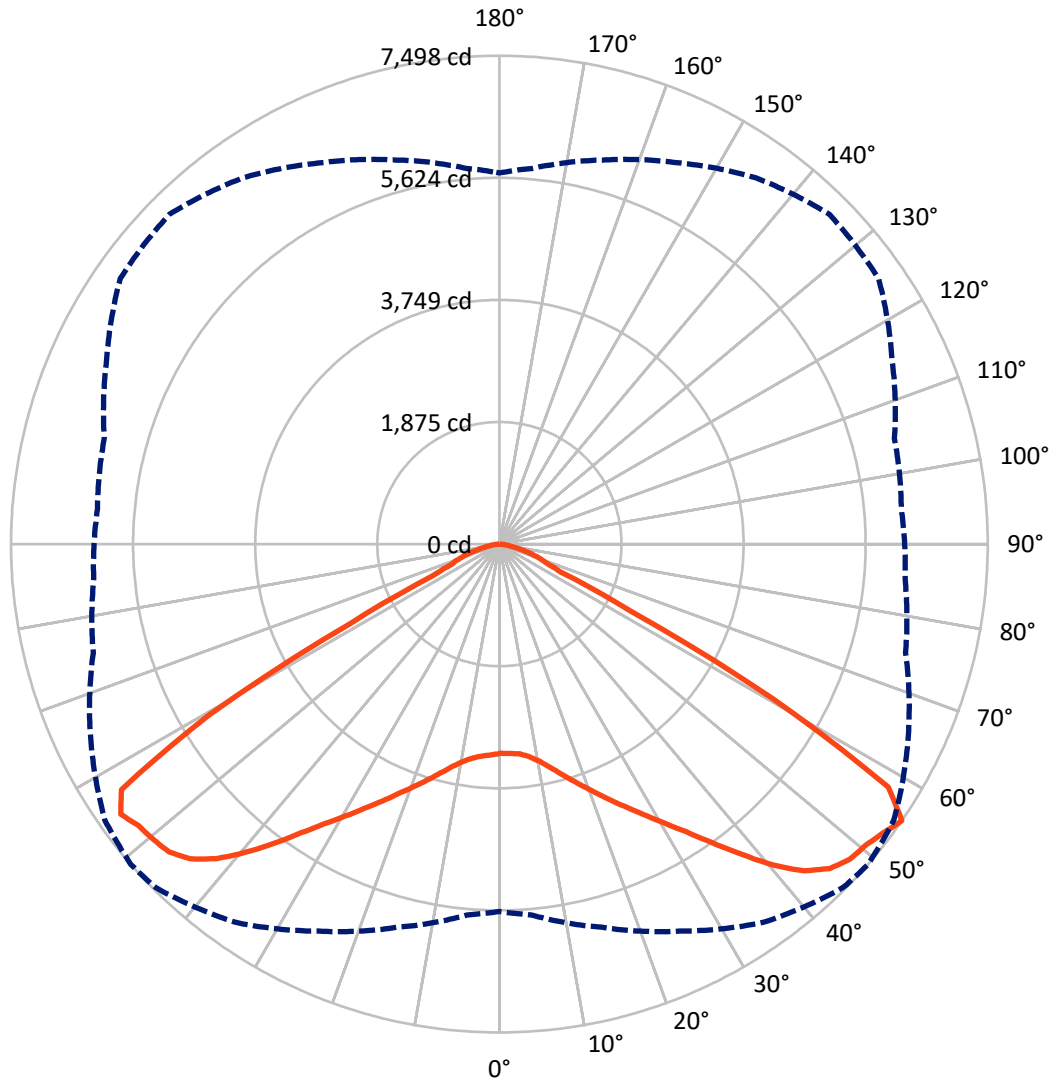
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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	9598.1	0.0	9598.1
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	9788.2	0.0	9788.2
	% Fixture	50.5	0.0	50.5
Total	Lumens	19386.3	0.0	19386.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.3	1.6
10°-20°	1033.3	5.3
20°-30°	1968.2	10.2
30°-40°	3336.5	17.2
40°-50°	5021.2	25.9
50°-60°	5496.2	28.4
60°-70°	1737.9	9.0
70°-80°	417.1	2.2
80°-90°	62.6	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°	19386.3	100.0
0°-180°	19386.3	100.0

Coefficient of Utilization



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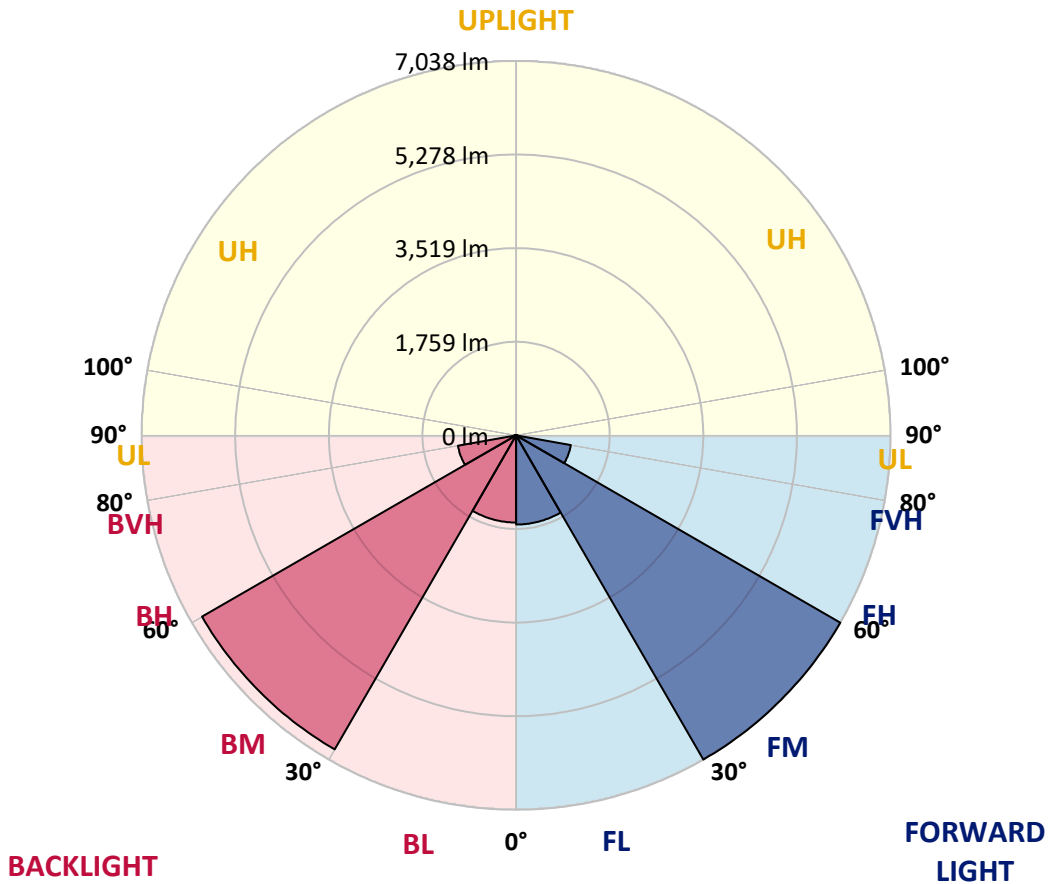
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1676.1	8.6			
FM (30°-60°)	7037.8	36.3			
FH (60°-80°)	1045.4	5.4			G1/1800
FVH (80°-90°)	29.0	0.1			G1/100
BL (0°-30°)	1638.7	8.5	B3/2500		
BM (30°-60°)	6816.1	35.2	B4/8500		
BH (60°-80°)	1109.6	5.7	B3/2500		G1/1800
BVH (80°-90°)	33.6	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°	3211.5	3211.5	3211.5	3211.5	3211.5	3211.5	3211.5	3211.5	3211.5	3211.5	3211.5
2.5°	3164.2	3167.3	3173.6	3184.7	3195.7	3211.5	3217.8	3225.6	3224.1	3233.5	3233.5
5°	3148.4	3153.1	3162.6	3178.4	3197.3	3227.2	3235.1	3254.0	3272.9	3296.6	3304.5
7.5°	3167.3	3173.6	3184.7	3209.9	3238.3	3277.7	3293.4	3325.0	3361.2	3403.8	3421.1
10°	3203.6	3211.5	3230.4	3271.4	3317.1	3377.0	3391.2	3430.6	3488.9	3547.3	3582.0
12.5°	3244.6	3257.2	3291.9	3356.5	3424.3	3503.1	3525.2	3574.1	3637.1	3712.8	3760.1
15°	3291.9	3302.9	3356.5	3447.9	3553.6	3657.6	3682.9	3730.1	3801.1	3875.2	3941.4
17.5°	3391.2	3410.1	3473.2	3578.8	3701.8	3824.7	3853.1	3906.7	3963.5	4021.8	4084.9
20°	3526.8	3542.5	3622.9	3753.8	3898.8	4010.8	4039.2	4086.5	4113.3	4143.2	4196.8
22.5°	3662.4	3684.4	3775.9	3930.4	4100.6	4222.0	4244.1	4288.3	4269.3	4259.9	4294.6
25°	3831.0	3861.0	3950.9	4119.6	4293.0	4442.8	4460.1	4497.9	4466.4	4417.5	4416.0
27.5°	4040.7	4067.5	4160.5	4334.0	4505.8	4661.9	4695.0	4745.5	4676.1	4616.2	4573.6
30°	4289.8	4307.2	4409.6	4594.1	4770.7	4918.9	4961.4	5011.9	4959.9	4860.5	4818.0
32.5°	4579.9	4603.6	4721.8	4915.7	5073.4	5221.6	5264.1	5327.2	5270.4	5158.5	5104.9
35°	4928.3	4952.0	5076.5	5287.8	5448.6	5601.5	5631.5	5683.5	5612.6	5483.3	5440.7
37.5°	5306.7	5336.7	5494.3	5694.5	5863.2	6041.4	6043.0	6058.7	5957.8	5797.0	5749.7
40°	5732.4	5771.8	5929.5	6137.6	6340.9	6486.0	6484.4	6440.3	6270.0	6020.9	5948.4
42.5°	6153.3	6184.9	6344.1	6558.5	6761.9	6899.0	6858.0	6750.8	6504.9	6165.9	6069.8
45°	6457.6	6481.2	6648.4	6889.6	7096.1	7181.2	7107.1	6977.9	6645.2	6257.4	6115.5
47.5°	6601.1	6632.6	6801.3	7040.9	7274.3	7323.1	7234.8	7113.5	6727.2	6342.5	6151.7
50°	6523.8	6564.8	6755.6	6977.9	7241.2	7342.1	7279.0	7157.6	6813.9	6426.1	6216.4
52.5°	6323.6	6363.0	6604.2	6873.8	7171.8	7372.0	7370.4	7271.1	6913.2	6449.7	6219.5
55°	5639.4	5716.6	6091.8	6556.9	7086.6	7460.3	7498.1	7392.5	6929.0	6456.0	6252.6
57.5°	3670.2	3805.8	4162.1	4767.5	5830.1	6785.5	7040.9	7066.2	6815.5	6429.2	6259.0
60°	1532.4	1641.2	1923.4	2325.4	3203.6	4340.3	4835.3	5331.9	5931.0	6148.6	6200.6
62.5°	952.2	961.7	990.1	1081.5	1374.8	1929.7	2248.2	2713.3	3604.0	4362.3	4712.3
65°	859.2	864.0	870.3	864.0	878.1	945.9	1031.1	1193.5	1556.1	1932.9	2380.6
67.5°	756.8	763.1	767.8	763.1	767.8	770.9	780.4	794.6	860.8	914.4	955.4
70°	611.7	621.2	629.0	625.9	644.8	644.8	654.3	665.3	698.4	737.8	766.2
72.5°	466.7	458.8	468.2	471.4	488.7	498.2	512.4	525.0	562.8	586.5	622.7
75°	302.7	294.8	309.0	316.9	340.5	353.2	365.8	378.4	405.2	420.9	455.6
77.5°	164.0	162.4	176.6	187.6	212.8	228.6	238.1	247.5	269.6	274.3	296.4
80°	94.6	94.6	104.1	111.9	127.7	145.0	154.5	162.4	178.2	182.9	192.3
82.5°	52.0	52.0	56.8	61.5	74.1	83.6	91.4	97.7	111.9	116.7	121.4
85°	25.2	23.6	26.8	30.0	34.7	39.4	44.1	47.3	58.3	61.5	67.8
87.5°	3.2	3.2	3.2	4.7	6.3	9.5	11.0	11.0	17.3	20.5	23.6
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°	3211.5	3211.5	3211.5	3211.5	3211.5	3211.5	3211.5	3211.5	3211.5	3211.5	3211.5
2.5°	3243.0	3222.5	3235.1	3239.8	3239.8	3235.1	3214.6	3208.3	3198.8	3184.7	3184.7
5°	3315.5	3299.7	3302.9	3295.0	3276.1	3252.4	3214.6	3195.7	3179.9	3162.6	3161.0
7.5°	3440.1	3419.6	3416.4	3386.5	3336.0	3285.6	3228.8	3194.1	3170.5	3148.4	3146.8
10°	3602.4	3583.5	3559.9	3500.0	3425.9	3351.8	3274.5	3227.2	3192.5	3161.0	3159.4
12.5°	3783.8	3761.7	3717.5	3629.2	3536.2	3463.7	3375.4	3302.9	3250.9	3208.3	3200.4
15°	3980.8	3949.3	3873.6	3769.6	3678.1	3600.9	3506.3	3402.2	3323.4	3255.6	3247.7
17.5°	4132.2	4091.2	4009.2	3911.5	3835.8	3758.5	3635.6	3504.7	3391.2	3306.1	3293.4
20°	4236.2	4203.1	4110.1	4037.6	3993.4	3925.6	3782.2	3634.0	3506.3	3399.1	3392.8
22.5°	4332.4	4293.0	4201.5	4159.0	4159.0	4113.3	3976.1	3801.1	3651.3	3526.8	3511.0
25°	4441.2	4398.6	4329.2	4324.5	4346.6	4326.1	4160.5	3972.9	3797.9	3657.6	3632.4
27.5°	4592.5	4545.2	4504.2	4532.6	4564.1	4542.1	4357.6	4140.1	3955.6	3813.7	3791.6
30°	4833.7	4775.4	4737.6	4772.3	4833.7	4769.1	4568.9	4338.7	4152.7	3996.6	3985.6
32.5°	5114.4	5048.2	5008.7	5063.9	5119.1	5018.2	4819.6	4598.8	4403.3	4239.4	4220.5
35°	5451.8	5368.2	5309.9	5384.0	5440.7	5341.4	5144.3	4934.6	4717.1	4546.8	4521.6
37.5°	5751.3	5650.4	5611.0	5715.0	5790.7	5726.1	5511.7	5314.6	5076.5	4890.5	4879.5
40°	5968.9	5869.5	5841.2	6013.0	6145.4	6129.7	5937.3	5711.9	5488.0	5273.6	5253.1
42.5°	6063.5	5994.1	6000.4	6232.2	6437.1	6538.0	6366.2	6124.9	5909.0	5686.7	5672.5
45°	6084.0	6041.4	6091.8	6381.9	6651.5	6858.0	6711.4	6509.6	6265.3	6050.8	6044.5
47.5°	6106.0	6082.4	6159.6	6467.1	6787.1	7026.7	6944.8	6736.7	6489.1	6279.4	6263.7
50°	6158.1	6148.6	6235.3	6527.0	6851.7	7072.5	6979.4	6772.9	6519.1	6312.6	6274.7
52.5°	6173.8	6158.1	6282.6	6620.0	6958.9	7070.9	6870.7	6601.1	6345.7	6115.5	6076.1
55°	6222.7	6194.3	6279.4	6654.7	7107.1	7162.3	6864.4	6460.8	6104.5	5790.7	5697.7
57.5°	6235.3	6203.8	6259.0	6597.9	6946.3	6897.5	6033.5	5213.7	4542.1	4193.7	4233.1
60°	6167.5	6177.0	6082.4	6044.5	5571.6	4918.9	3693.9	2952.9	2319.1	2051.1	2109.4
62.5°	4695.0	4734.4	4411.2	3835.8	2949.7	2338.0	1546.6	1201.3	1016.9	969.6	977.5
65°	2369.6	2423.2	2087.4	1726.3	1283.3	1037.4	897.1	868.7	859.2	848.2	848.2
67.5°	938.1	953.8	941.2	881.3	819.8	797.7	791.4	788.3	777.2	770.9	772.5
70°	753.6	766.2	747.3	709.5	684.2	682.7	679.5	673.2	665.3	665.3	670.0
72.5°	614.9	627.5	600.7	577.0	558.1	543.9	536.0	531.3	520.3	520.3	525.0
75°	452.5	460.4	438.3	435.1	414.6	400.4	387.8	381.5	367.3	361.0	365.8
77.5°	301.1	299.5	288.5	288.5	280.6	263.3	249.1	234.9	216.0	203.4	206.5
80°	195.5	195.5	190.8	190.8	182.9	168.7	151.4	137.2	126.1	116.7	116.7
82.5°	124.5	123.0	121.4	119.8	116.7	102.5	89.9	80.4	72.5	66.2	67.8
85°	69.4	69.4	66.2	66.2	59.9	52.0	45.7	39.4	34.7	33.1	33.1
87.5°	23.6	23.6	22.1	22.1	18.9	14.2	11.0	9.5	7.9	6.3	7.9
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)