

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: P635808

Luminaire Tested: GWS-SA3E-740-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635808
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-740-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22356.5 lumens
Efficiency: N/A
Efficacy: 140.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - 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

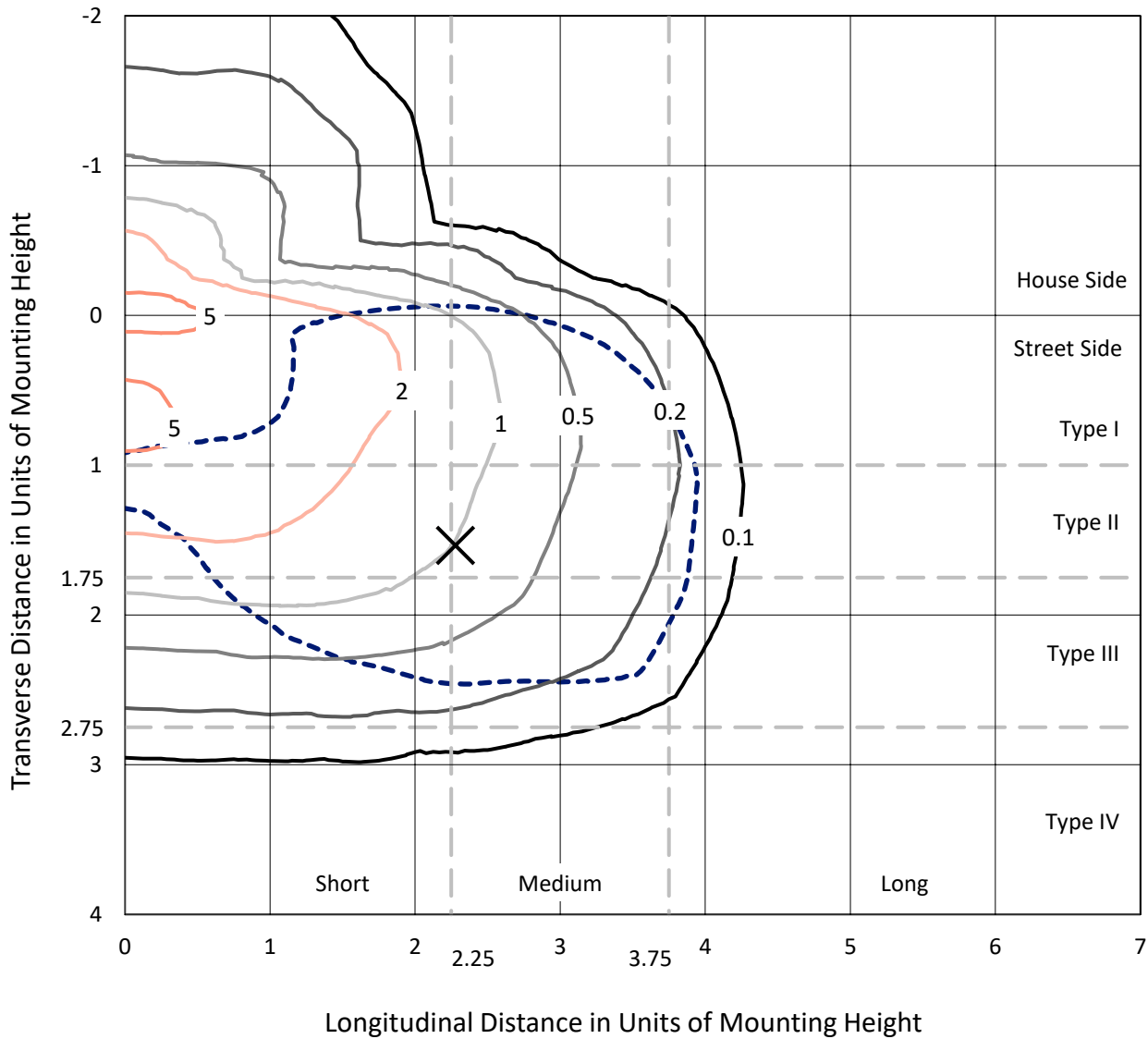


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Iso-Footcandle Lines of Horizontal Illumination

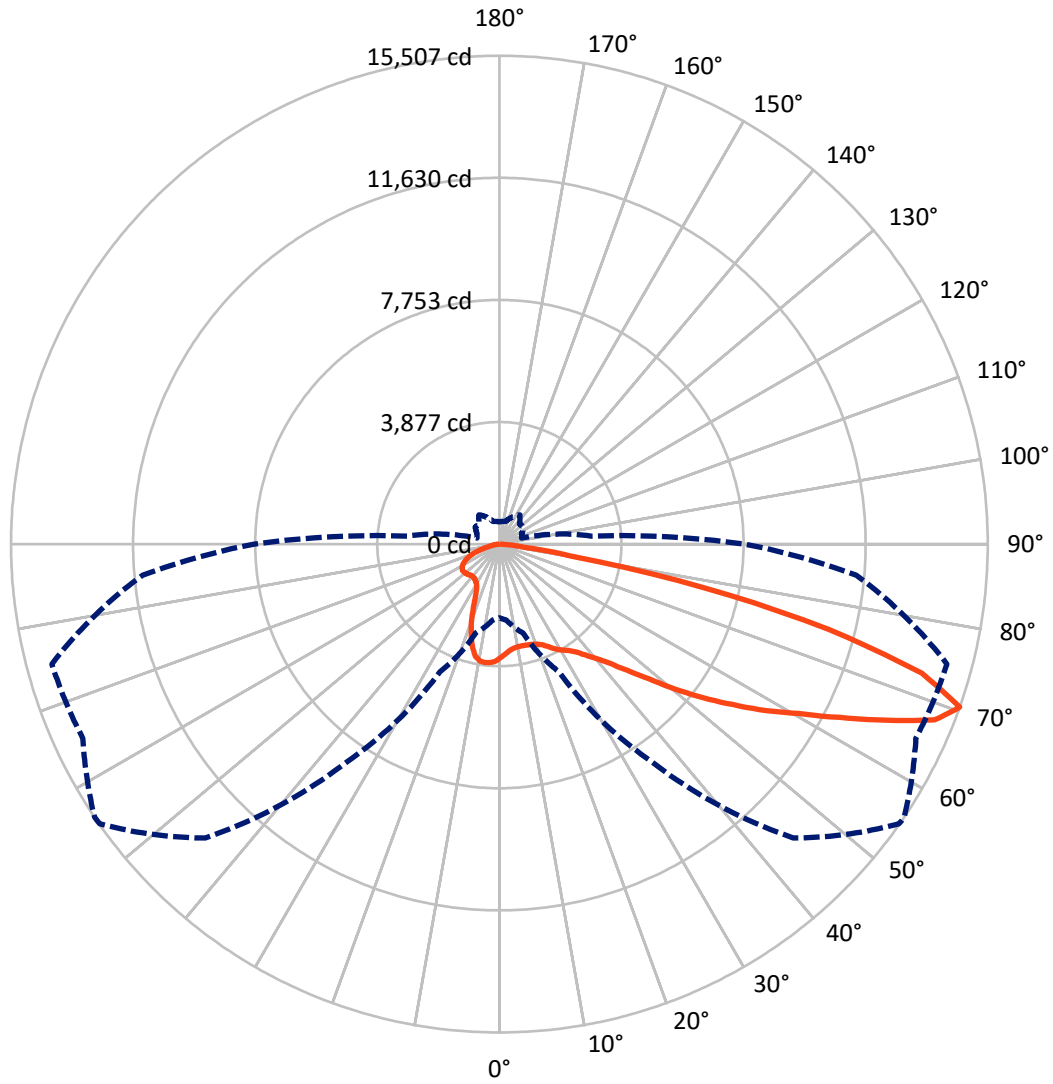
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4298.1	0.0	4298.1
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	18058.4	0.0	18058.4
	% Fixture	80.8	0.0	80.8
Total	Lumens	22356.5	0.0	22356.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.9	1.5
10°-20°	904.8	4.0
20°-30°	1495.9	6.7
30°-40°	2236.6	10.0
40°-50°	3328.4	14.9
50°-60°	4732.0	21.2
60°-70°	5860.7	26.2
70°-80°	3236.1	14.5
80°-90°	227.9	1.0
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°	22356.5	100.0
0°-180°	22356.5	100.0

Coefficient of Utilization



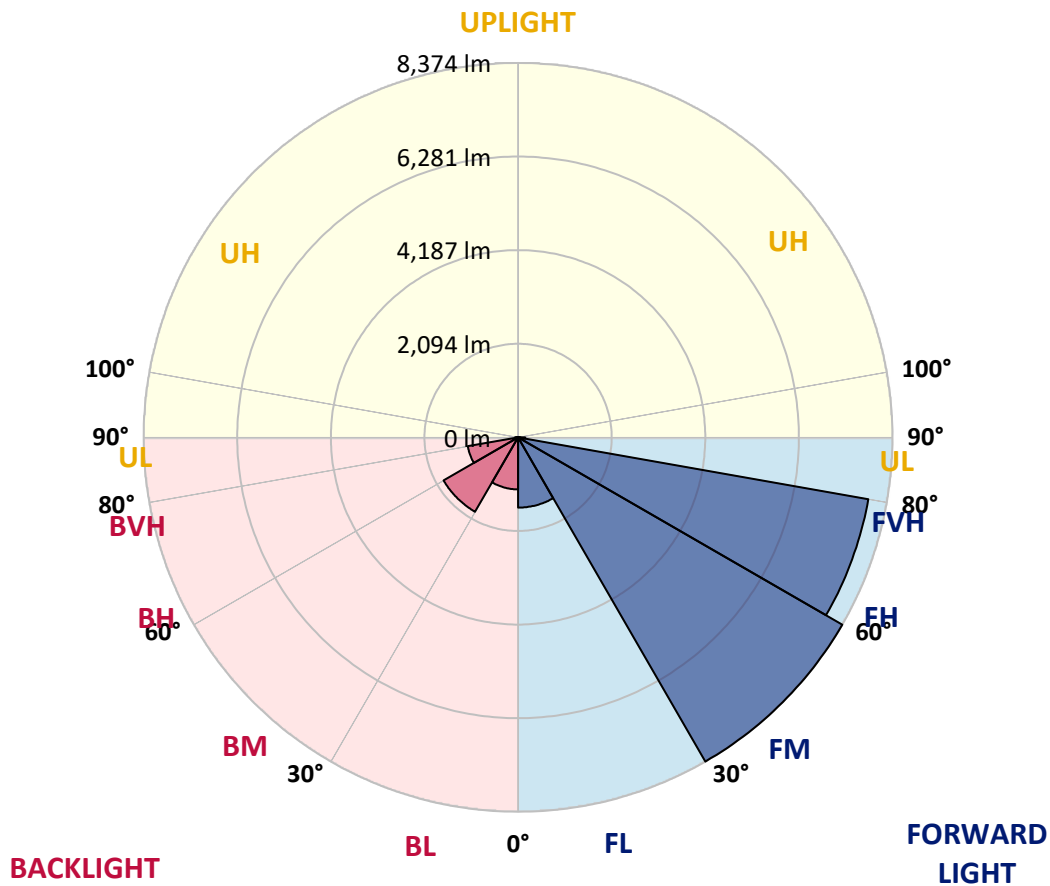
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1571.2	7.0			
FM (30°-60°)	8374.4	37.5			
FH (60°-80°)	7954.5	35.6			G4/12000
FVH (80°-90°)	158.4	0.7			G2/225
BL (0°-30°)	1163.5	5.2	B3/2500		
BM (30°-60°)	1922.6	8.6	B2/2500		
BH (60°-80°)	1142.4	5.1	B3/2500		G3/2500
BVH (80°-90°)	69.5	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-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3608.7	3608.7	3608.7	3608.7	3608.7	3608.7	3608.7	3608.7	3608.7	3608.7	3608.7
2.5°	3376.9	3358.0	3380.1	3391.1	3419.5	3460.5	3496.7	3498.3	3517.2	3563.0	3607.1
5°	3224.0	3214.5	3220.9	3254.0	3283.9	3335.9	3391.1	3395.9	3449.5	3539.3	3627.6
7.5°	3105.8	3093.2	3116.8	3159.4	3197.2	3255.5	3328.1	3334.4	3410.0	3545.6	3681.2
10°	2935.5	2926.0	2970.2	3026.9	3108.9	3205.1	3301.3	3309.1	3408.5	3586.6	3775.8
12.5°	2861.4	2861.4	2880.3	2933.9	3023.8	3151.5	3296.5	3309.1	3433.7	3649.7	3897.2
15°	2976.5	2984.4	2968.6	2965.5	3001.7	3123.1	3302.8	3321.8	3481.0	3714.3	4017.0
17.5°	3208.2	3216.1	3175.1	3110.5	3074.2	3149.9	3326.5	3347.0	3531.4	3785.3	4146.3
20°	3533.0	3542.5	3452.6	3353.3	3228.7	3227.2	3372.2	3391.1	3596.1	3862.5	4283.4
22.5°	3913.0	3919.3	3805.7	3648.1	3457.3	3370.6	3451.0	3469.9	3679.6	3969.7	4431.6
25°	4352.8	4371.7	4234.6	4006.0	3747.4	3567.7	3581.9	3604.0	3829.4	4113.2	4606.6
27.5°	4822.6	4846.3	4688.6	4436.4	4080.1	3785.3	3750.6	3769.5	3988.6	4201.5	4699.6
30°	5303.5	5320.8	5163.1	4874.6	4437.9	4031.2	3892.5	3903.5	4058.0	4244.0	4794.2
32.5°	5837.9	5823.7	5672.4	5339.7	4851.0	4326.0	4024.9	4021.7	4135.2	4329.2	4929.8
35°	6339.2	6359.7	6198.9	5831.6	5305.0	4690.2	4223.5	4210.9	4299.2	4467.9	5120.6
37.5°	6946.2	6939.9	6747.6	6350.3	5760.6	5038.6	4502.6	4480.5	4512.0	4683.9	5387.0
40°	7379.7	7423.9	7299.3	6928.9	6293.5	5467.4	4828.9	4780.0	4787.9	4950.3	5743.3
42.5°	7734.5	7775.5	7788.1	7551.6	6903.6	5997.1	5235.7	5186.8	5191.5	5421.7	6181.6
45°	8007.2	8062.4	8240.5	8171.2	7591.0	6608.8	5785.9	5735.4	5738.6	5994.0	6711.3
47.5°	8119.1	8179.1	8540.1	8705.6	8320.9	7340.3	6470.1	6396.0	6407.0	6689.2	7316.7
50°	8082.9	8163.3	8652.0	9117.1	8932.6	8084.5	7288.3	7236.3	7193.7	7603.6	7974.1
52.5°	7770.7	7859.0	8641.0	9378.8	9432.4	8787.6	8133.3	8103.4	8093.9	8574.8	8708.8
55°	6851.6	6999.8	8261.0	9448.2	9823.4	9449.7	9049.3	8998.8	9047.7	9615.3	9451.3
57.5°	6342.4	6452.7	7516.9	9370.9	10143.4	10080.3	9963.7	9968.4	10023.6	10745.6	10351.5
60°	6052.3	6181.6	7103.9	9159.7	10450.8	10846.5	10920.6	10920.6	11020.0	11964.3	11265.9
62.5°	5667.6	5798.5	6717.6	8752.9	10734.6	11748.3	12123.5	12118.8	12158.2	13271.3	12159.8
65°	4887.3	5008.6	5942.0	8111.3	10873.3	12741.5	13490.4	13476.2	13397.4	14434.7	12751.0
67.5°	3548.8	3663.9	4551.4	6891.0	10373.6	13542.4	14898.2	14904.5	14433.2	15167.8	12782.5
70°	2339.6	2418.4	2926.0	4475.8	8436.0	13197.2	15487.9	15506.8	14592.4	14710.6	11376.3
72.5°	1459.9	1515.0	1827.2	2669.1	4985.0	10446.1	13974.4	14026.4	13127.8	12927.6	9347.3
75°	969.6	1007.4	1215.5	1556.0	2306.5	5653.4	10622.7	10789.8	10521.8	10134.0	6512.7
77.5°	583.3	614.8	774.1	988.5	1021.6	2208.7	6200.5	6632.5	6670.3	5290.8	2727.4
80°	266.4	302.7	427.2	564.4	543.9	769.3	2186.7	2287.5	2699.0	1680.6	860.8
82.5°	157.7	173.4	283.8	280.6	231.8	373.6	786.7	807.2	685.8	614.8	367.3
85°	63.1	74.1	119.8	105.6	85.1	121.4	296.4	310.6	298.0	268.0	135.6
87.5°	0.0	0.0	0.0	0.0	1.6	3.2	26.8	28.4	41.0	74.1	41.0
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°	3608.7	3608.7	3608.7	3608.7	3608.7	3608.7	3608.7	3608.7	3608.7	3608.7	3608.7
2.5°	3635.5	3626.0	3673.3	3709.6	3725.3	3741.1	3726.9	3722.2	3722.2	3690.7	3674.9
5°	3674.9	3679.6	3744.3	3774.2	3774.2	3761.6	3723.8	3697.0	3687.5	3646.5	3635.5
7.5°	3749.0	3769.5	3829.4	3827.8	3783.7	3714.3	3619.7	3547.2	3481.0	3452.6	3435.3
10°	3870.4	3897.2	3938.2	3872.0	3749.0	3566.1	3365.9	3208.2	3113.7	3038.0	3038.0
12.5°	4009.1	4034.3	4026.5	3873.5	3619.7	3277.6	2989.1	2807.8	2675.4	2606.0	2606.0
15°	4147.9	4168.4	4083.2	3801.0	3350.1	2894.5	2579.2	2361.6	2246.6	2181.9	2181.9
17.5°	4288.2	4286.6	4106.9	3633.9	2998.6	2470.4	2161.4	1992.7	1953.3	1942.3	1940.7
20°	4423.8	4387.5	4076.9	3354.9	2590.2	2043.2	1847.7	1858.7	1917.1	1942.3	1945.4
22.5°	4576.7	4486.8	3988.6	2998.6	2126.7	1746.8	1759.4	1850.8	1936.0	1973.8	1978.5
25°	4732.8	4571.9	3840.4	2580.8	1738.9	1638.0	1735.8	1838.2	1934.4	1983.3	1988.0
27.5°	4795.8	4571.9	3588.2	2096.8	1532.4	1592.3	1699.5	1798.8	1899.7	1956.5	1967.5
30°	4847.8	4532.5	3235.0	1660.1	1447.3	1548.2	1641.2	1732.6	1831.9	1901.3	1913.9
32.5°	4920.4	4497.8	2807.8	1395.2	1407.8	1505.6	1570.2	1647.5	1737.3	1783.1	1778.3
35°	5005.5	4444.2	2292.3	1269.1	1374.7	1469.3	1515.0	1560.8	1519.8	1518.2	1522.9
37.5°	5126.9	4396.9	1843.0	1212.4	1352.7	1444.1	1481.9	1384.2	1327.4	1303.8	1294.3
40°	5301.9	4378.0	1453.6	1179.2	1349.5	1442.5	1415.7	1264.4	1187.1	1105.1	1103.6
42.5°	5522.6	4363.8	1201.3	1163.5	1360.5	1478.8	1324.3	1185.6	1026.3	990.1	986.9
45°	5806.4	4341.8	1075.2	1160.3	1387.3	1507.2	1314.8	1076.8	968.0	952.2	952.2
47.5°	6148.5	4307.1	1018.4	1160.3	1417.3	1494.6	1286.5	1053.1	941.2	958.5	969.6
50°	6541.0	4262.9	988.5	1157.2	1447.3	1494.6	1226.5	1048.4	934.9	1024.7	1061.0
52.5°	6960.4	4212.5	968.0	1144.6	1467.8	1496.1	1229.7	1064.2	941.2	1040.5	1070.5
55°	7423.9	4204.6	939.6	1117.8	1474.1	1455.1	1237.6	1098.8	950.6	942.8	944.3
57.5°	8008.8	4299.2	919.1	1078.3	1448.8	1371.6	1253.3	1124.1	939.6	941.2	952.2
60°	8620.5	4477.4	936.5	1040.5	1396.8	1292.8	1264.4	1111.5	886.0	860.8	863.9
62.5°	9140.7	4612.9	950.6	1023.2	1321.1	1223.4	1253.3	1083.1	856.1	849.8	863.9
65°	9358.3	4501.0	916.0	986.9	1210.8	1138.3	1229.7	1046.8	830.8	807.2	808.8
67.5°	9117.1	3976.0	848.2	906.5	1086.2	1029.5	1191.9	999.5	796.1	767.8	761.5
70°	7788.1	2921.3	731.5	778.8	934.9	901.8	1133.5	938.0	741.0	720.5	706.3
72.5°	6276.2	2068.4	607.0	619.6	733.1	759.9	1032.6	860.8	677.9	619.6	599.1
75°	4368.6	1299.1	506.1	493.5	529.7	580.2	805.6	714.2	584.9	523.4	504.5
77.5°	1879.2	666.9	395.7	389.4	353.1	402.0	618.0	595.9	490.3	419.4	408.3
80°	629.0	386.3	285.4	274.3	234.9	282.2	435.1	476.1	384.7	310.6	291.7
82.5°	315.3	223.9	181.3	164.0	157.7	178.1	257.0	296.4	266.4	214.4	181.3
85°	154.5	127.7	99.3	97.7	82.0	77.3	107.2	126.1	119.8	88.3	83.6
87.5°	56.8	50.4	31.5	25.2	15.8	11.0	6.3	6.3	4.7	4.7	4.7
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)