

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: P635863

Luminaire Tested: GWS-SA3E-750-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635863
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-750-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22868.8 lumens
Efficiency: N/A
Efficacy: 143.6 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

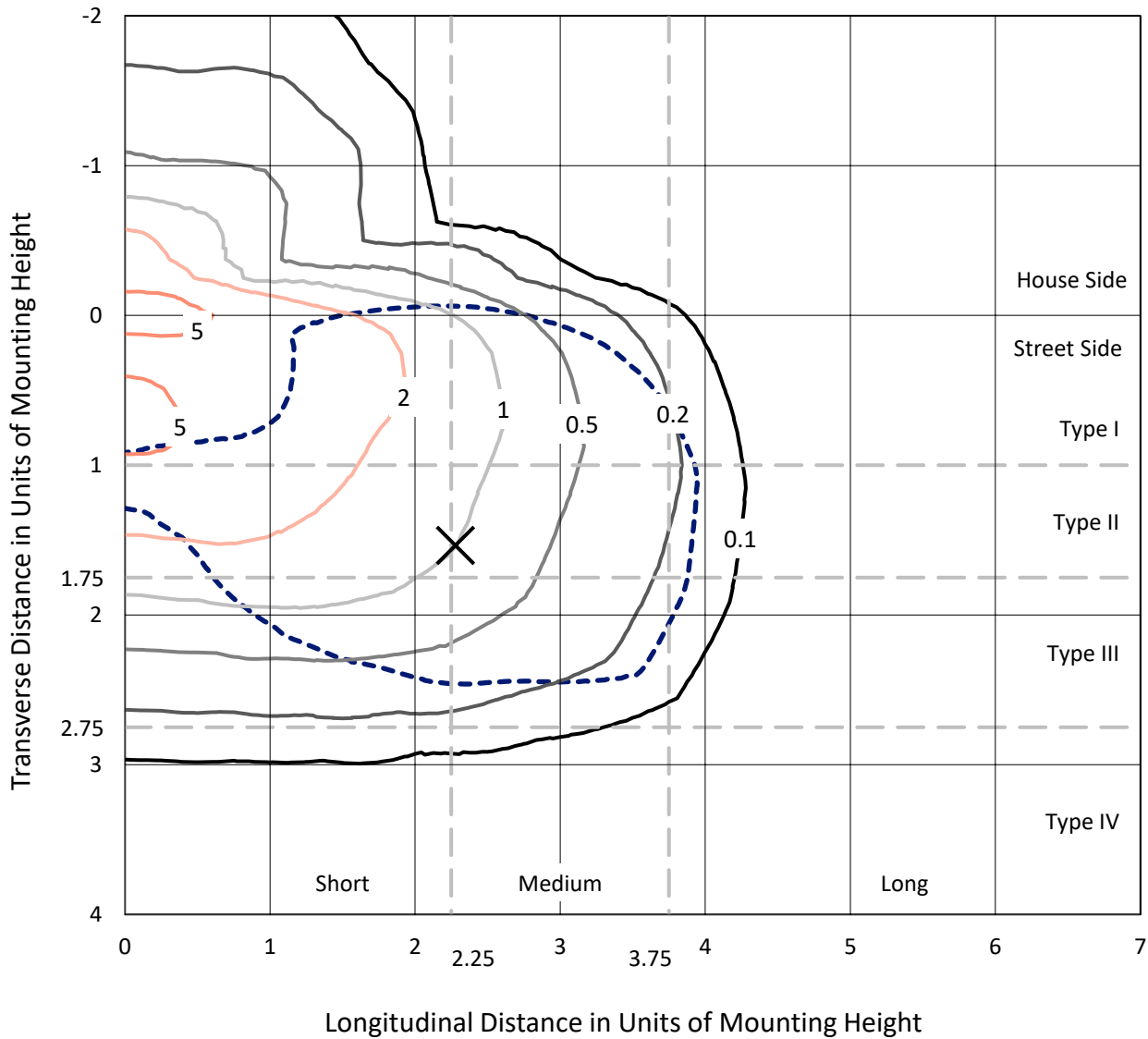
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

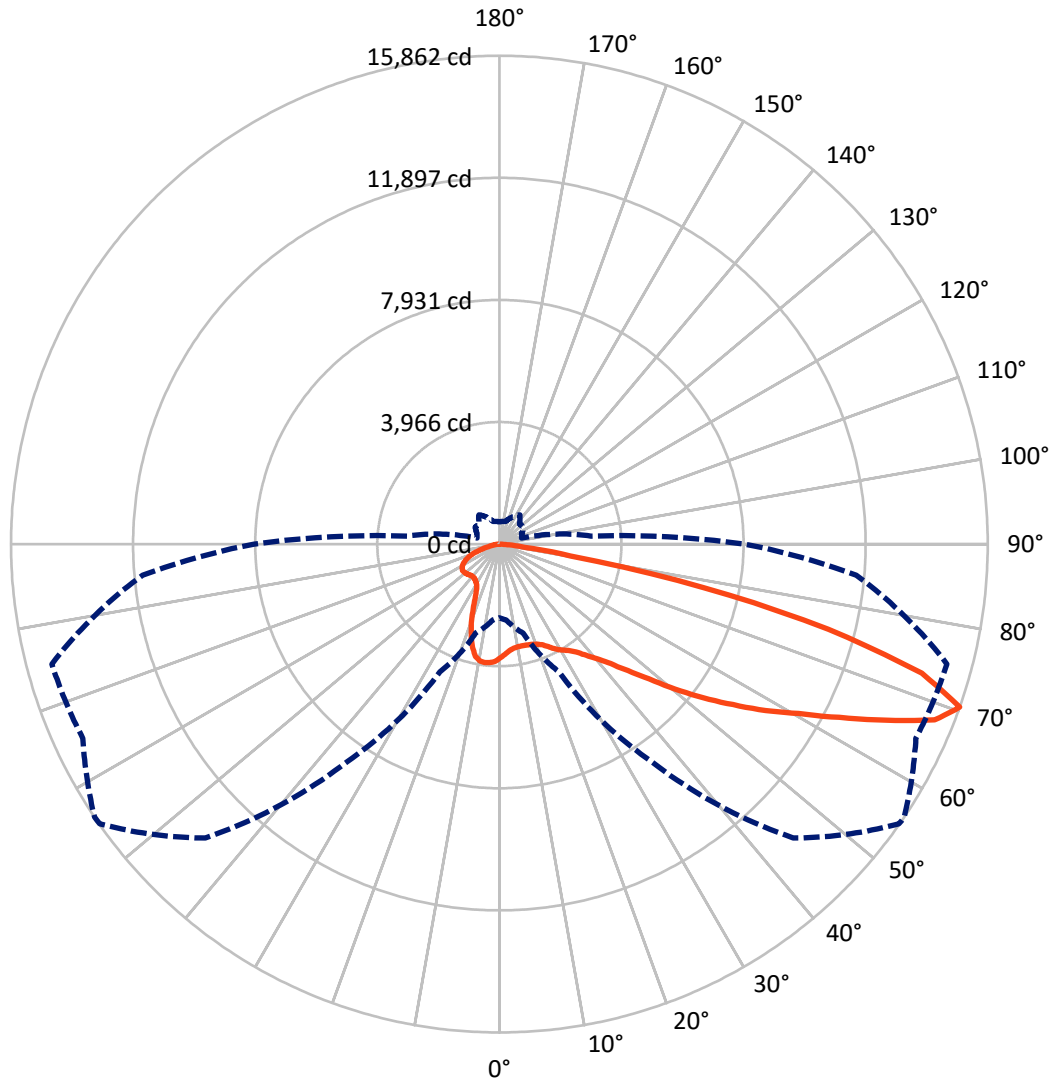
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	4396.6	0.0	4396.6
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	18472.2	0.0	18472.2
	% Fixture	80.8	0.0	80.8
Total	Lumens	22868.8	0.0	22868.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.6	1.5
10°-20°	925.6	4.0
20°-30°	1530.2	6.7
30°-40°	2287.9	10.0
40°-50°	3404.7	14.9
50°-60°	4840.4	21.2
60°-70°	5995.0	26.2
70°-80°	3310.3	14.5
80°-90°	233.1	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°	22868.8	100.0
0°-180°	22868.8	100.0

Coefficient of Utilization



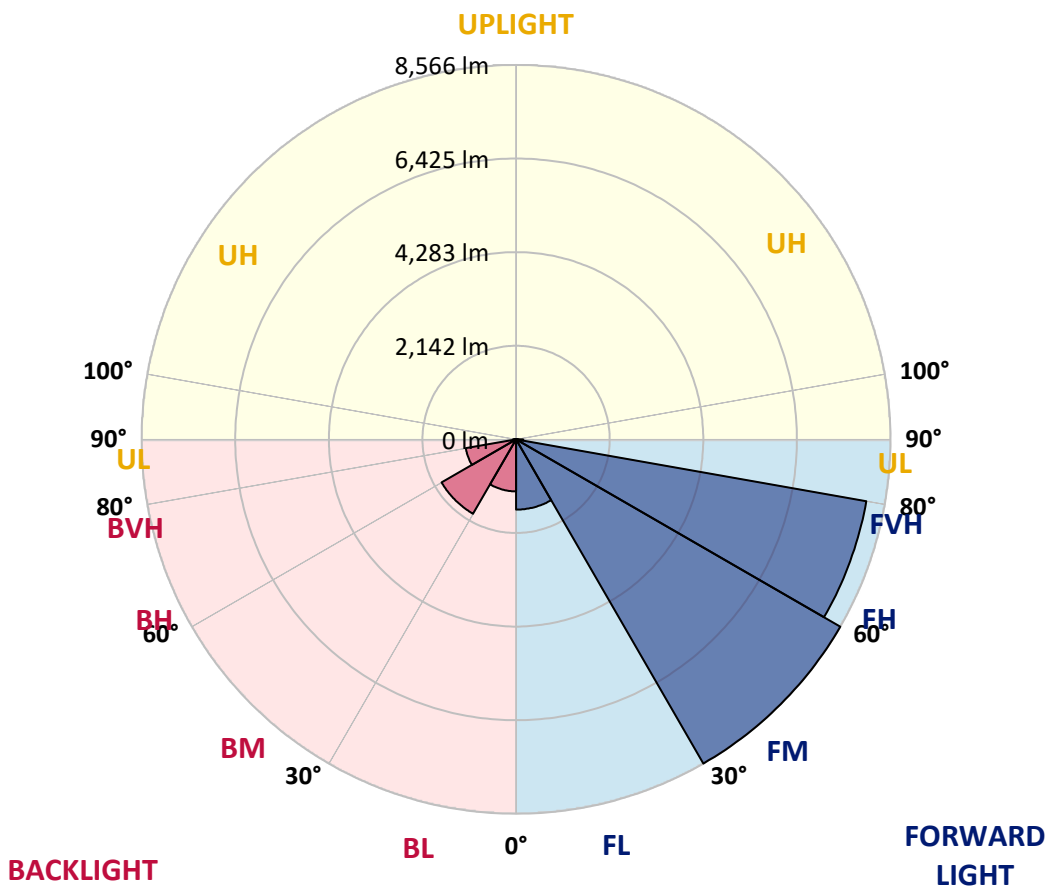
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1607.2	7.0			
FM (30°-60°)	8566.3	37.5			
FH (60°-80°)	8136.7	35.6			G4/12000
FVH (80°-90°)	162.0	0.7			G2/225
BL (0°-30°)	1190.2	5.2	B3/2500		
BM (30°-60°)	1966.7	8.6	B2/2500		
BH (60°-80°)	1168.6	5.1	B3/2500		G3/2500
BVH (80°-90°)	71.1	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-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3691.4	3691.4	3691.4	3691.4	3691.4	3691.4	3691.4	3691.4	3691.4	3691.4	3691.4
2.5°	3454.3	3435.0	3457.5	3468.8	3497.9	3539.8	3576.9	3578.5	3597.8	3644.6	3689.8
5°	3297.9	3288.2	3294.7	3328.5	3359.2	3412.4	3468.8	3473.7	3528.5	3620.4	3710.7
7.5°	3176.9	3164.0	3188.2	3231.8	3270.5	3330.1	3404.3	3410.8	3488.2	3626.9	3765.6
10°	3002.8	2993.1	3038.2	3096.3	3180.2	3278.5	3376.9	3385.0	3486.6	3668.8	3862.3
12.5°	2927.0	2927.0	2946.3	3001.2	3093.1	3223.7	3372.1	3385.0	3512.4	3733.3	3986.5
15°	3044.7	3052.8	3036.6	3033.4	3070.5	3194.7	3378.5	3397.9	3560.8	3799.4	4109.1
17.5°	3281.8	3289.8	3247.9	3181.8	3144.7	3222.1	3402.7	3423.7	3612.4	3872.0	4241.3
20°	3614.0	3623.6	3531.7	3430.1	3302.7	3301.1	3449.5	3468.8	3678.5	3951.0	4381.6
22.5°	4002.6	4009.1	3893.0	3731.7	3536.6	3447.9	3530.1	3549.5	3763.9	4060.7	4533.2
25°	4452.6	4471.9	4331.6	4097.8	3833.3	3649.4	3664.0	3686.5	3917.1	4207.4	4712.2
27.5°	4933.1	4957.3	4796.0	4538.0	4173.6	3872.0	3836.5	3855.9	4080.0	4297.7	4807.3
30°	5425.0	5442.7	5281.5	4986.3	4539.6	4123.6	3981.7	3992.9	4151.0	4341.3	4904.1
32.5°	5971.7	5957.2	5802.3	5462.1	4962.2	4425.1	4117.1	4113.9	4230.0	4428.4	5042.8
35°	6484.5	6505.5	6341.0	5965.2	5426.6	4797.7	4320.3	4307.4	4397.7	4570.3	5237.9
37.5°	7105.4	7098.9	6902.2	6495.8	5892.7	5154.1	4605.8	4583.2	4615.4	4791.2	5510.5
40°	7548.9	7594.0	7466.6	7087.6	6437.7	5592.7	4939.6	4889.6	4897.6	5063.7	5874.9
42.5°	7911.7	7953.6	7966.5	7724.6	7061.8	6134.6	5355.6	5305.6	5310.5	5545.9	6323.2
45°	8190.7	8247.1	8429.4	8358.4	7765.0	6760.3	5918.5	5866.9	5870.1	6131.3	6865.1
47.5°	8305.2	8366.5	8735.8	8905.1	8511.6	7508.5	6618.4	6542.6	6553.8	6842.5	7484.3
50°	8268.1	8350.3	8850.3	9326.0	9137.3	8269.7	7455.3	7402.1	7358.6	7777.9	8156.8
52.5°	7948.8	8039.1	8839.0	9593.7	9648.5	8989.0	8319.7	8289.1	8279.4	8771.3	8908.3
55°	7008.6	7160.2	8450.3	9664.7	10048.5	9666.3	9256.7	9205.1	9255.0	9835.6	9667.9
57.5°	6487.7	6600.6	7689.2	9585.6	10375.8	10311.3	10192.0	10196.8	10253.3	10991.9	10588.7
60°	6191.0	6323.2	7266.6	9369.5	10690.3	11095.1	11170.9	11170.9	11272.5	12238.5	11524.1
62.5°	5797.5	5931.4	6871.5	8953.5	10980.6	12017.5	12401.3	12396.5	12436.8	13575.4	12438.4
65°	4999.2	5123.4	6078.1	8297.1	11122.5	13033.5	13799.5	13785.0	13704.4	14765.5	13043.2
67.5°	3630.1	3747.8	4655.7	7048.9	10611.3	13852.7	15239.6	15246.1	14763.9	15515.4	13075.4
70°	2393.2	2473.8	2993.1	4578.3	8629.3	13499.6	15842.8	15862.1	14926.8	15047.7	11636.9
72.5°	1493.3	1549.8	1869.1	2730.2	5099.2	10685.5	14294.6	14347.8	13428.6	13223.8	9561.5
75°	991.8	1030.5	1243.4	1591.7	2359.3	5783.0	10866.1	11037.0	10762.9	10366.2	6661.9
77.5°	596.7	628.9	791.8	1011.1	1045.0	2259.3	6342.6	6784.5	6823.2	5412.1	2789.9
80°	272.5	309.6	437.0	577.3	556.4	787.0	2236.8	2340.0	2760.9	1719.1	880.5
82.5°	161.3	177.4	290.3	287.1	237.1	382.2	804.7	825.7	701.5	628.9	375.7
85°	64.5	75.8	122.6	108.0	87.1	124.2	303.2	317.7	304.8	274.2	138.7
87.5°	0.0	0.0	0.0	0.0	1.6	3.2	27.4	29.0	41.9	75.8	41.9
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°	3691.4	3691.4	3691.4	3691.4	3691.4	3691.4	3691.4	3691.4	3691.4	3691.4	3691.4
2.5°	3718.8	3709.1	3757.5	3794.6	3810.7	3826.8	3812.3	3807.5	3807.5	3775.2	3759.1
5°	3759.1	3763.9	3830.1	3860.7	3860.7	3847.8	3809.1	3781.7	3772.0	3730.1	3718.8
7.5°	3834.9	3855.9	3917.1	3915.5	3870.4	3799.4	3702.7	3628.5	3560.8	3531.7	3514.0
10°	3959.1	3986.5	4028.4	3960.7	3834.9	3647.8	3443.0	3281.8	3185.0	3107.6	3107.6
12.5°	4101.0	4126.8	4118.7	3962.3	3702.7	3352.7	3057.6	2872.1	2736.7	2665.7	2665.7
15°	4242.9	4263.9	4176.8	3888.1	3426.9	2960.8	2638.3	2415.8	2298.0	2231.9	2231.9
17.5°	4386.4	4384.8	4201.0	3717.2	3067.3	2527.0	2211.0	2038.4	1998.1	1986.8	1985.2
20°	4525.1	4488.0	4170.3	3431.7	2649.6	2090.0	1890.0	1901.3	1961.0	1986.8	1990.0
22.5°	4681.5	4589.6	4080.0	3067.3	2175.5	1786.8	1799.7	1893.3	1980.3	2019.0	2023.9
25°	4841.2	4676.7	3928.4	2639.9	1778.8	1675.6	1775.5	1880.4	1978.7	2028.7	2033.6
27.5°	4905.7	4676.7	3670.4	2144.8	1567.5	1628.8	1738.4	1840.0	1943.3	2001.3	2012.6
30°	4958.9	4636.4	3309.2	1698.1	1480.4	1583.6	1678.8	1772.3	1873.9	1944.9	1957.8
32.5°	5033.1	4600.9	2872.1	1427.2	1440.1	1540.1	1606.2	1685.2	1777.2	1823.9	1819.1
35°	5120.2	4546.1	2344.8	1298.2	1406.2	1503.0	1549.8	1596.5	1554.6	1553.0	1557.8
37.5°	5244.4	4497.7	1885.2	1240.1	1383.7	1477.2	1515.9	1415.9	1357.9	1333.7	1324.0
40°	5423.4	4478.4	1486.9	1206.3	1380.4	1475.6	1448.2	1293.4	1214.3	1130.5	1128.9
42.5°	5649.1	4463.8	1228.8	1190.1	1391.7	1512.7	1354.6	1212.7	1049.8	1012.7	1009.5
45°	5939.4	4441.3	1099.8	1186.9	1419.1	1541.7	1345.0	1101.4	990.2	974.0	974.0
47.5°	6289.4	4405.8	1041.8	1186.9	1449.8	1528.8	1315.9	1077.3	962.8	980.5	991.8
50°	6690.9	4360.6	1011.1	1183.7	1480.4	1528.8	1254.6	1072.4	956.3	1048.2	1085.3
52.5°	7119.9	4309.0	990.2	1170.8	1501.4	1530.4	1257.9	1088.5	962.8	1064.4	1095.0
55°	7594.0	4301.0	961.1	1143.4	1507.8	1488.5	1265.9	1124.0	972.4	964.4	966.0
57.5°	8192.3	4397.7	940.2	1103.1	1482.0	1403.0	1282.1	1149.8	961.1	962.8	974.0
60°	8818.0	4580.0	957.9	1064.4	1428.8	1322.4	1293.4	1136.9	906.3	880.5	883.7
62.5°	9350.2	4718.6	972.4	1046.6	1351.4	1251.4	1282.1	1107.9	875.7	869.2	883.7
65°	9572.7	4604.1	937.0	1009.5	1238.5	1164.3	1257.9	1070.8	849.9	825.7	827.3
67.5°	9326.0	4067.1	867.6	927.3	1111.1	1053.1	1219.2	1022.4	814.4	785.4	778.9
70°	7966.5	2988.3	748.3	796.7	956.3	922.4	1159.5	959.5	757.9	737.0	722.5
72.5°	6420.0	2115.8	620.9	633.8	749.9	777.3	1056.3	880.5	693.4	633.8	612.8
75°	4468.7	1328.8	517.7	504.8	541.9	593.5	824.1	730.5	598.3	535.4	516.1
77.5°	1922.3	682.2	404.8	398.3	361.2	411.2	632.2	609.6	501.5	429.0	417.7
80°	643.5	395.1	291.9	280.6	240.3	288.7	445.1	487.0	393.5	317.7	298.3
82.5°	322.5	229.0	185.5	167.7	161.3	182.2	262.9	303.2	272.5	219.3	185.5
85°	158.0	130.6	101.6	100.0	83.9	79.0	109.7	129.0	122.6	90.3	85.5
87.5°	58.1	51.6	32.3	25.8	16.1	11.3	6.5	6.5	4.8	4.8	4.8
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)