

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: P636358

Luminaire Tested: GWS-SA3F-750-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636358
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-SA3F-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: 25426 lumens
Efficiency: N/A
Efficacy: 138.8 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

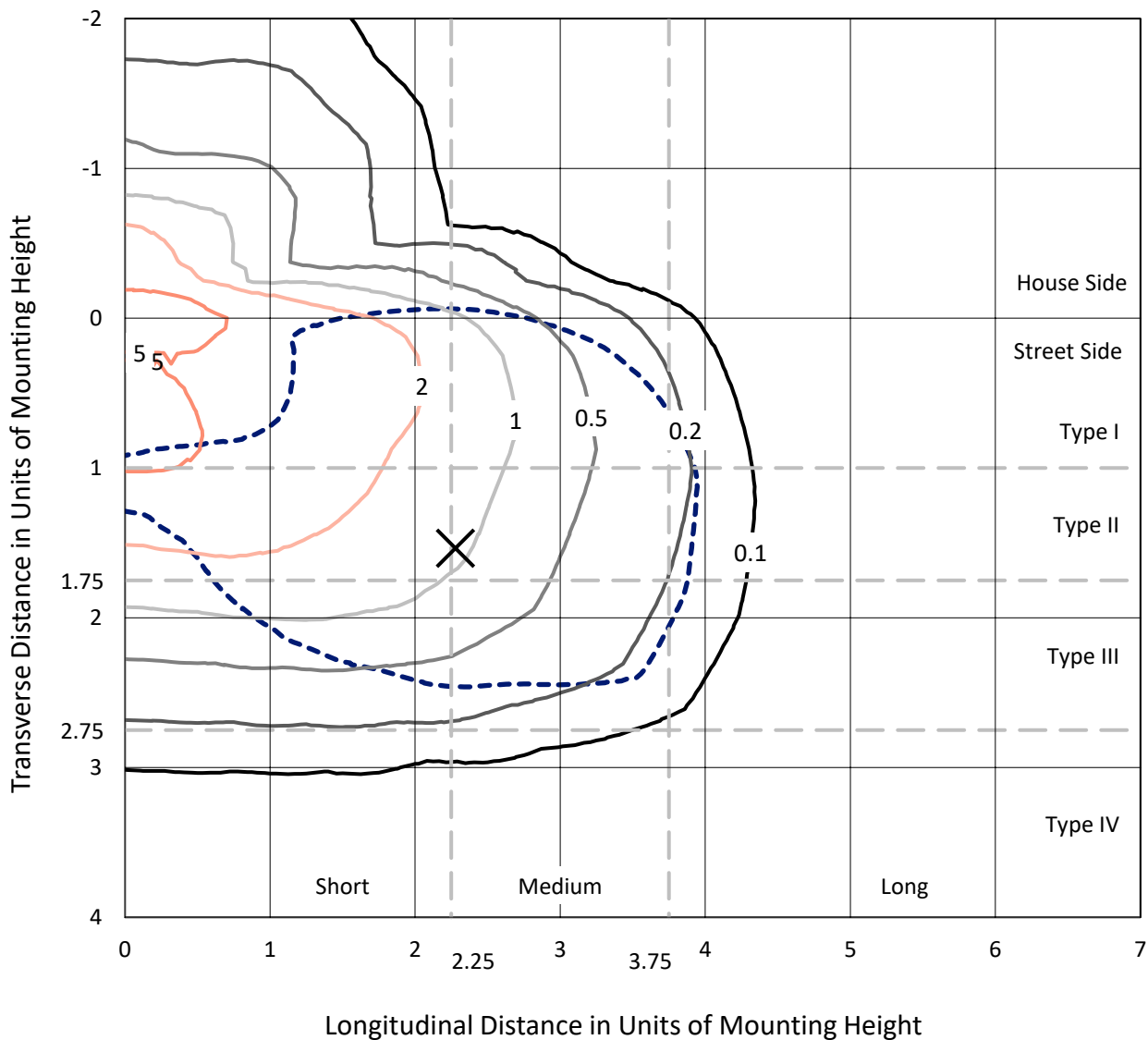
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

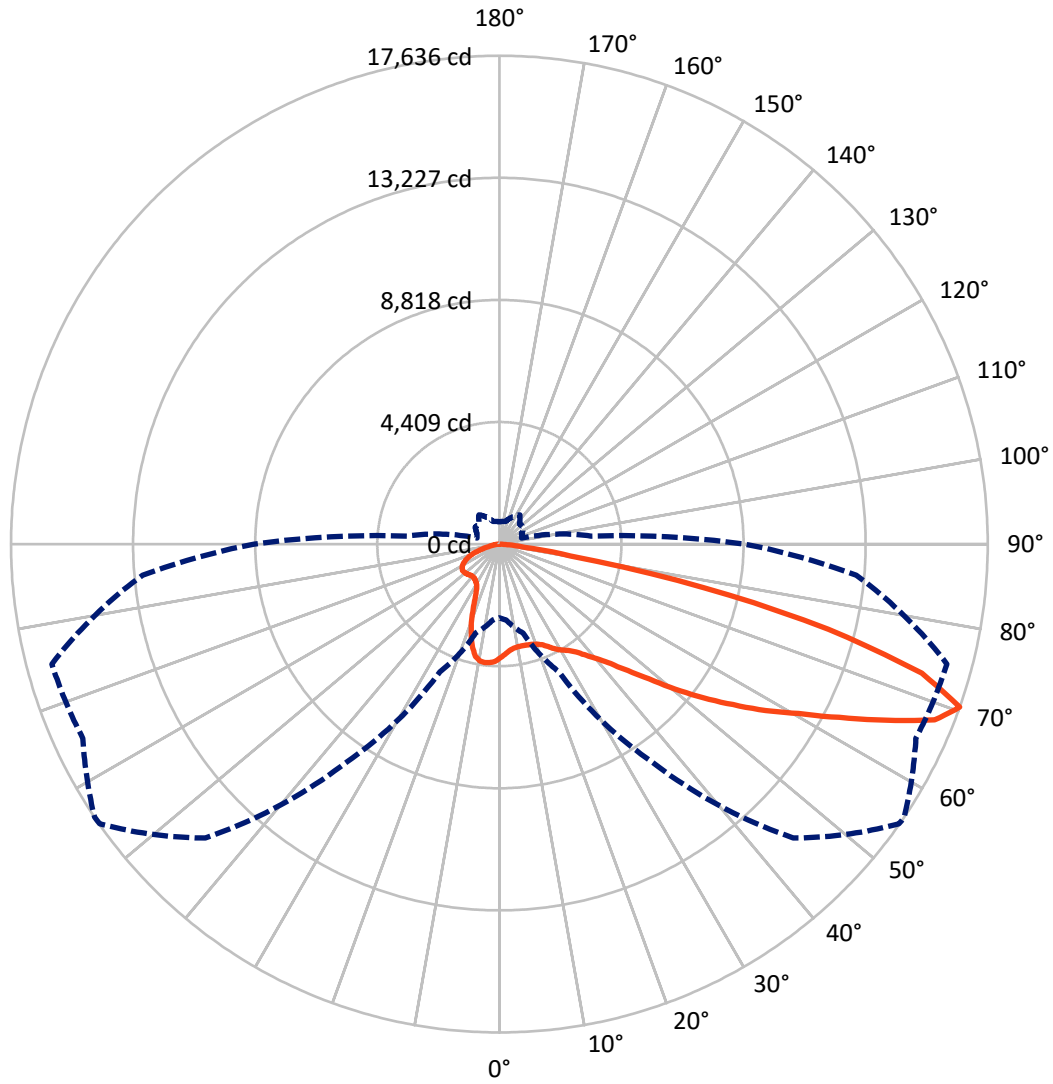
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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	4888.2	0.0	4888.2
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	20537.8	0.0	20537.8
	% Fixture	80.8	0.0	80.8
Total	Lumens	25426.0	0.0	25426.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	379.8	1.5
10°-20°	1029.1	4.0
20°-30°	1701.3	6.7
30°-40°	2543.7	10.0
40°-50°	3785.4	14.9
50°-60°	5381.7	21.2
60°-70°	6665.4	26.2
70°-80°	3680.4	14.5
80°-90°	259.2	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°	25426.0	100.0
0°-180°	25426.0	100.0

Coefficient of Utilization





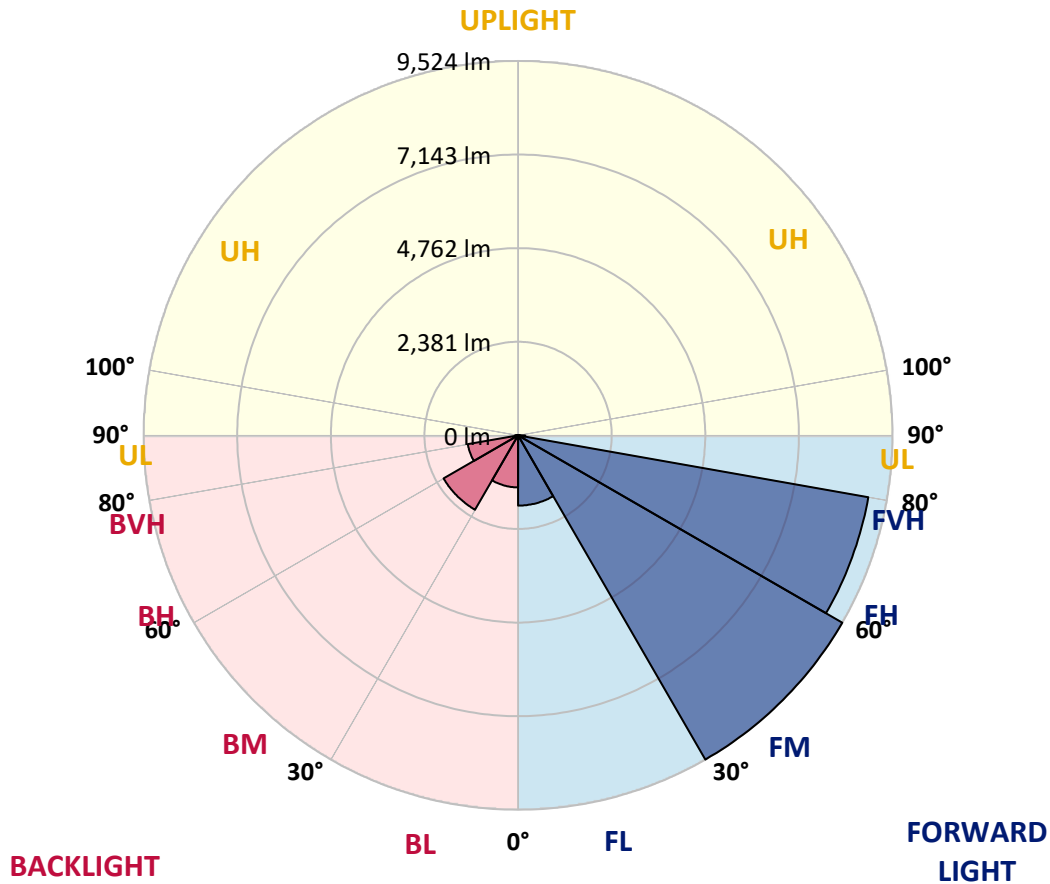
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1786.9	7.0			
FM	(30°-60°)	9524.2	37.5			
FH	(60°-80°)	9046.6	35.6			G4/12000
FVH	(80°-90°)	180.1	0.7			G2/225
BL	(0°-30°)	1323.3	5.2	B3/2500		
BM	(30°-60°)	2186.6	8.6	B2/2500		
BH	(60°-80°)	1299.2	5.1	B3/2500		G3/2500
BVH	(80°-90°)	79.1	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°	4104.1	4104.1	4104.1	4104.1	4104.1	4104.1	4104.1	4104.1	4104.1	4104.1	4104.1
2.5°	3840.6	3819.1	3844.2	3856.7	3889.0	3935.6	3976.8	3978.6	4000.2	4052.2	4102.4
5°	3666.7	3655.9	3663.1	3700.7	3734.8	3794.0	3856.7	3862.1	3923.1	4025.3	4125.7
7.5°	3532.2	3517.8	3544.7	3593.1	3636.2	3702.5	3785.0	3792.2	3878.2	4032.4	4186.6
10°	3338.5	3327.8	3378.0	3442.5	3535.8	3645.1	3754.5	3763.5	3876.4	4079.0	4294.2
12.5°	3254.3	3254.3	3275.8	3336.7	3438.9	3584.2	3749.1	3763.5	3905.1	4150.8	4432.3
15°	3385.2	3394.1	3376.2	3372.6	3413.8	3551.9	3756.3	3777.8	3958.9	4224.3	4568.5
17.5°	3648.7	3657.7	3611.1	3537.6	3496.3	3582.4	3783.2	3806.5	4016.3	4305.0	4715.6
20°	4018.1	4028.8	3926.6	3813.7	3672.0	3670.2	3835.2	3856.7	4089.8	4392.8	4871.5
22.5°	4450.2	4457.4	4328.3	4149.0	3932.0	3833.4	3924.8	3946.4	4184.8	4514.7	5040.1
25°	4950.4	4972.0	4816.0	4556.0	4261.9	4057.5	4073.7	4098.8	4355.2	4677.9	5239.1
27.5°	5484.7	5511.6	5332.3	5045.5	4640.3	4305.0	4265.5	4287.0	4536.3	4778.3	5344.9
30°	6031.6	6051.3	5872.0	5543.9	5047.3	4584.7	4426.9	4439.4	4615.1	4826.7	5452.5
32.5°	6639.4	6623.3	6451.2	6072.8	5517.0	4920.0	4577.5	4573.9	4703.0	4923.5	5606.7
35°	7209.6	7232.9	7050.0	6632.3	6033.4	5334.1	4803.4	4789.1	4889.5	5081.3	5823.6
37.5°	7899.9	7892.7	7674.0	7222.2	6551.6	5730.4	5120.8	5095.7	5131.5	5327.0	6126.6
40°	8393.0	8443.2	8301.5	7880.2	7157.6	6218.1	5491.9	5436.3	5445.3	5630.0	6531.9
42.5°	8796.4	8843.0	8857.4	8588.4	7851.5	6820.5	5954.5	5898.9	5904.3	6166.1	7030.3
45°	9106.6	9169.3	9371.9	9293.1	8633.2	7516.2	6580.3	6522.9	6526.5	6816.9	7632.7
47.5°	9233.9	9302.0	9712.6	9900.9	9463.4	8348.1	7358.4	7274.1	7286.7	7607.6	8321.3
50°	9192.6	9284.1	9839.9	10368.8	10159.1	9194.4	8289.0	8229.8	8181.4	8647.6	9068.9
52.5°	8837.6	8938.0	9827.4	10666.5	10727.4	9994.1	9250.0	9216.0	9205.2	9752.1	9904.5
55°	7792.3	7960.9	9395.3	10745.4	11172.1	10747.2	10291.7	10234.4	10290.0	10935.4	10749.0
57.5°	7213.2	7338.7	8549.0	10657.5	11536.1	11464.4	11331.7	11337.1	11399.8	12221.0	11772.8
60°	6883.3	7030.3	8079.2	10417.3	11885.7	12335.8	12420.0	12420.0	12533.0	13607.0	12812.7
62.5°	6445.8	6594.6	7639.9	9954.7	12208.4	13361.3	13788.1	13782.7	13827.5	15093.4	13829.3
65°	5558.3	5696.3	6757.8	9224.9	12366.2	14490.9	15342.6	15326.5	15236.8	16416.6	14501.7
67.5°	4036.0	4166.9	5176.4	7837.1	11797.9	15401.8	16943.7	16950.9	16414.8	17250.3	14537.5
70°	2660.8	2750.4	3327.8	5090.3	9594.3	15009.1	17614.3	17635.8	16595.9	16730.4	12938.2
72.5°	1660.3	1723.1	2078.1	3035.5	5669.4	11880.3	15893.0	15952.2	14930.2	14702.5	10630.6
75°	1102.7	1145.7	1382.4	1769.7	2623.1	6429.7	12081.1	12271.2	11966.4	11525.3	7406.8
77.5°	663.4	699.3	880.4	1124.2	1161.9	2512.0	7051.8	7543.1	7586.1	6017.3	3101.9
80°	303.0	344.3	485.9	641.9	618.6	875.0	2486.9	2601.6	3069.6	1911.3	979.0
82.5°	179.3	197.2	322.7	319.2	263.6	424.9	894.7	918.0	779.9	699.3	417.8
85°	71.7	84.3	136.3	120.1	96.8	138.1	337.1	353.2	338.9	304.8	154.2
87.5°	0.0	0.0	0.0	0.0	1.8	3.6	30.5	32.3	46.6	84.3	46.6
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°	4104.1	4104.1	4104.1	4104.1	4104.1	4104.1	4104.1	4104.1	4104.1	4104.1	4104.1
2.5°	4134.6	4123.9	4177.7	4218.9	4236.8	4254.8	4238.6	4233.2	4233.2	4197.4	4179.5
5°	4179.5	4184.8	4258.3	4292.4	4292.4	4278.1	4235.0	4204.6	4193.8	4147.2	4134.6
7.5°	4263.7	4287.0	4355.2	4353.4	4303.2	4224.3	4116.7	4034.2	3958.9	3926.6	3906.9
10°	4401.8	4432.3	4478.9	4403.6	4263.7	4055.7	3828.0	3648.7	3541.1	3455.1	3455.1
12.5°	4559.6	4588.3	4579.3	4405.4	4116.7	3727.6	3399.5	3193.3	3042.7	2963.8	2963.8
15°	4717.3	4740.7	4643.8	4322.9	3810.1	3291.9	2933.3	2685.9	2555.0	2481.5	2481.5
17.5°	4876.9	4875.1	4670.7	4132.8	3410.3	2809.6	2458.2	2266.3	2221.5	2209.0	2207.2
20°	5031.1	4989.9	4636.7	3815.5	2945.9	2323.7	2101.4	2113.9	2180.3	2209.0	2212.5
22.5°	5205.0	5102.8	4536.3	3410.3	2418.7	1986.6	2001.0	2105.0	2201.8	2244.8	2250.2
25°	5382.5	5199.7	4367.7	2935.1	1977.7	1862.9	1974.1	2090.6	2200.0	2255.6	2261.0
27.5°	5454.3	5199.7	4080.8	2384.7	1742.8	1810.9	1932.8	2045.8	2160.5	2225.1	2237.6
30°	5513.4	5154.8	3679.2	1888.0	1646.0	1760.7	1866.5	1970.5	2083.5	2162.3	2176.7
32.5°	5595.9	5115.4	3193.3	1586.8	1601.1	1712.3	1785.8	1873.7	1975.9	2027.9	2022.5
35°	5692.7	5054.4	2607.0	1443.4	1563.5	1671.1	1723.1	1775.1	1728.4	1726.6	1732.0
37.5°	5830.8	5000.6	2096.0	1378.8	1538.4	1642.4	1685.4	1574.2	1509.7	1482.8	1472.0
40°	6029.8	4979.1	1653.1	1341.2	1534.8	1640.6	1610.1	1438.0	1350.1	1256.9	1255.1
42.5°	6280.8	4963.0	1366.3	1323.2	1547.3	1681.8	1506.1	1348.3	1167.2	1126.0	1122.4
45°	6603.6	4937.9	1222.8	1319.6	1577.8	1714.1	1495.4	1224.6	1100.9	1083.0	1083.0
47.5°	6992.6	4898.4	1158.3	1319.6	1611.9	1699.8	1463.1	1197.7	1070.4	1090.1	1102.7
50°	7439.1	4848.2	1124.2	1316.1	1646.0	1699.8	1394.9	1192.3	1063.2	1165.4	1206.7
52.5°	7916.0	4790.9	1100.9	1301.7	1669.3	1701.5	1398.5	1210.3	1070.4	1183.4	1217.4
55°	8443.2	4781.9	1068.6	1271.2	1676.4	1654.9	1407.5	1249.7	1081.2	1072.2	1074.0
57.5°	9108.4	4889.5	1045.3	1226.4	1647.8	1559.9	1425.4	1278.4	1068.6	1070.4	1083.0
60°	9804.1	5092.1	1065.0	1183.4	1588.6	1470.2	1438.0	1264.1	1007.7	979.0	982.6
62.5°	10395.7	5246.3	1081.2	1163.6	1502.5	1391.4	1425.4	1231.8	973.6	966.4	982.6
65°	10643.2	5119.0	1041.7	1122.4	1377.0	1294.5	1398.5	1190.5	944.9	918.0	919.8
67.5°	10368.8	4521.9	964.6	1031.0	1235.4	1170.8	1355.5	1136.8	905.5	873.2	866.0
70°	8857.4	3322.4	831.9	885.7	1063.2	1025.6	1289.2	1066.8	842.7	819.4	803.3
72.5°	7137.9	2352.4	690.3	704.6	833.7	864.2	1174.4	979.0	771.0	704.6	681.3
75°	4968.4	1477.4	575.5	561.2	602.4	659.8	916.2	812.2	665.2	595.3	573.8
77.5°	2137.2	758.4	450.0	442.9	401.6	457.2	702.9	677.7	557.6	476.9	464.4
80°	715.4	439.3	324.5	312.0	267.2	320.9	494.9	541.5	437.5	353.2	331.7
82.5°	358.6	254.6	206.2	186.5	179.3	202.6	292.3	337.1	303.0	243.8	206.2
85°	175.7	145.2	113.0	111.2	93.2	87.9	121.9	143.4	136.3	100.4	95.0
87.5°	64.5	57.4	35.9	28.7	17.9	12.6	7.2	7.2	5.4	5.4	5.4
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)