

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: P639697

Luminaire Tested: GWS-SA5C-735-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639697
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-735-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23443.2 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B4 - U0 - G4

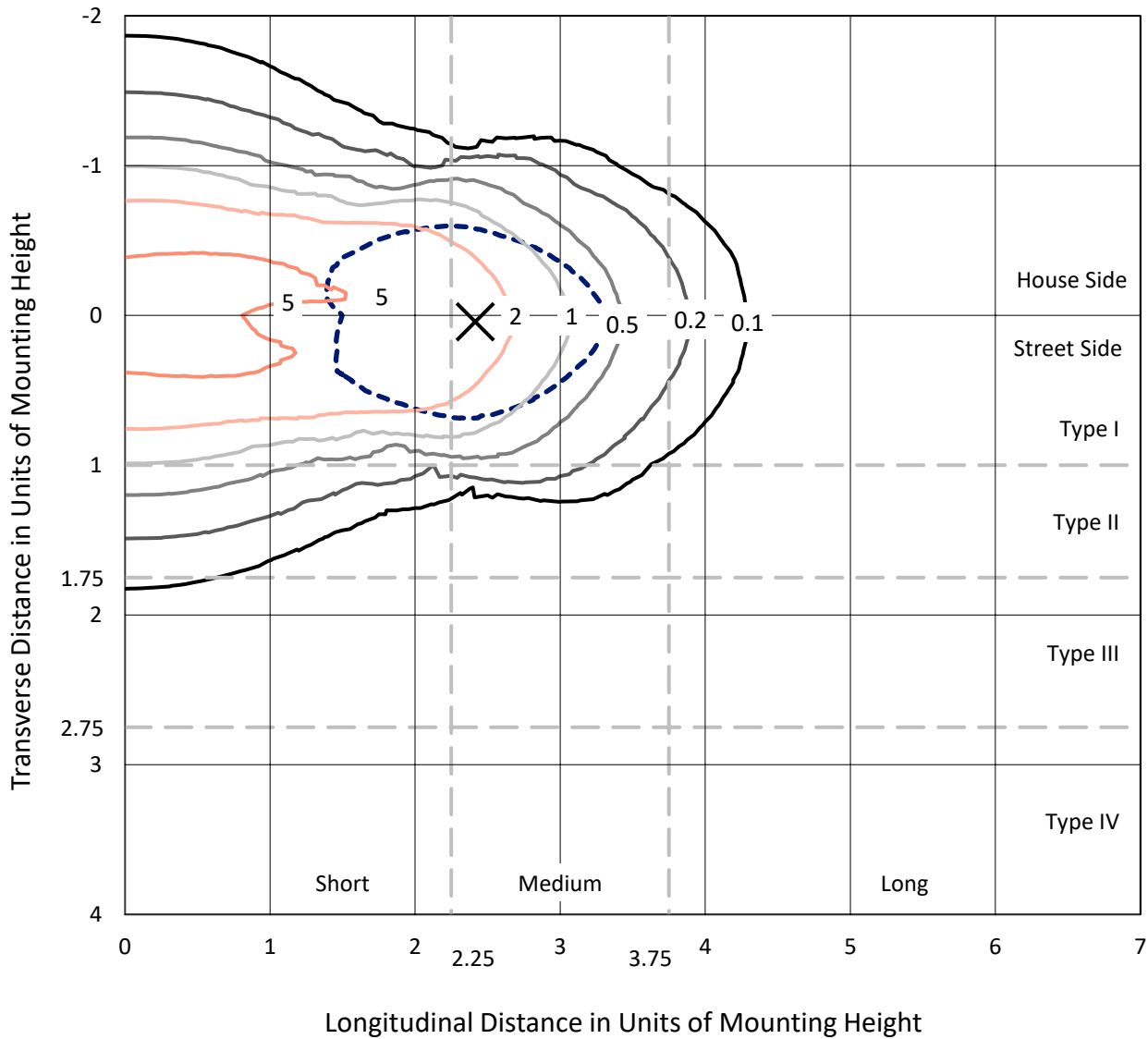
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639697
 CATALOG NUMBER: GWS-SA5C-735-U-T1-W

Iso-Footcandle Lines of Horizontal Illumination

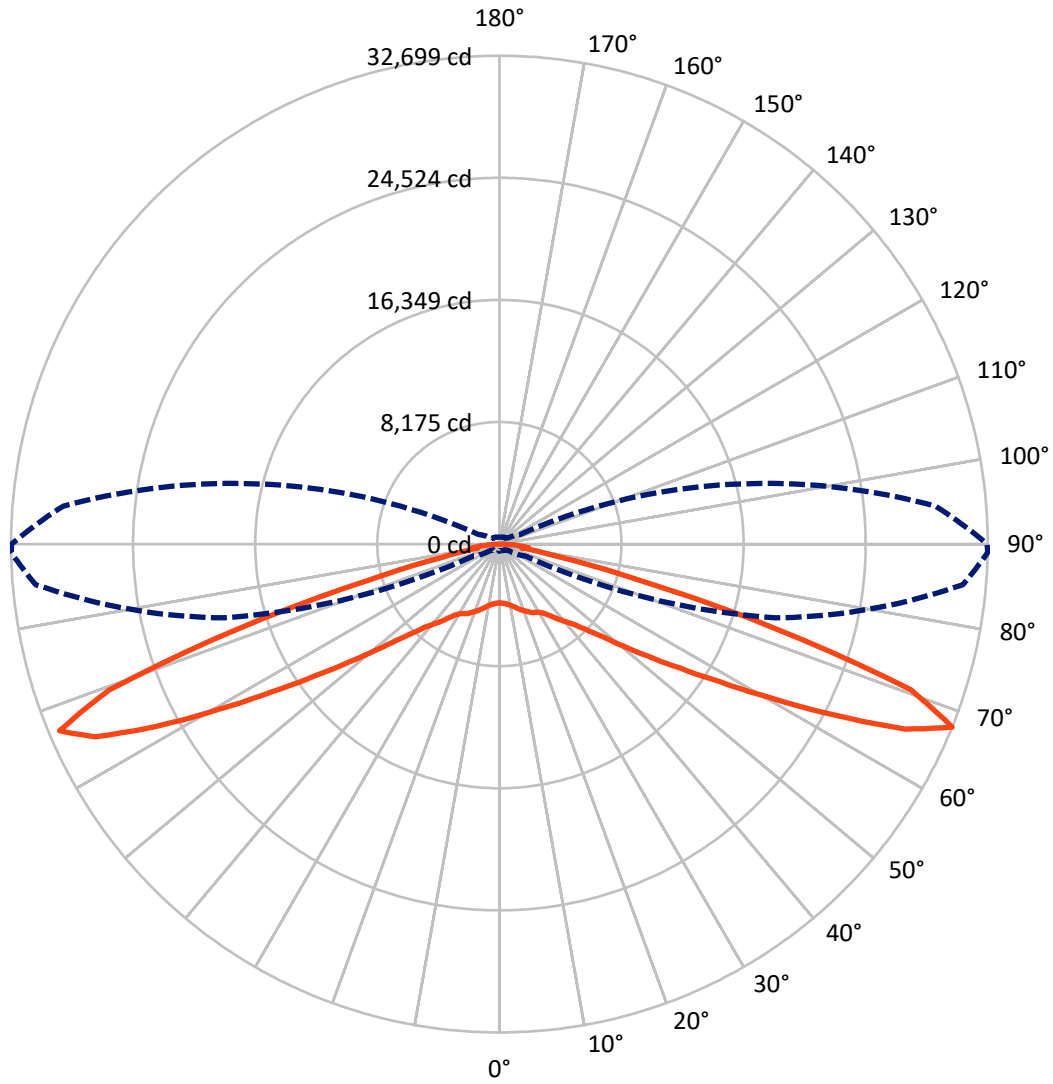
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type I - Medium - N/A

REPORT NUMBER: P639697
CATALOG NUMBER: GWS-SA5C-735-U-T1-W

Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P639697

CATALOG NUMBER: GWS-SA5C-735-U-T1-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11618.9	0.0	11618.9
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	11824.3	0.0	11824.3
	% Fixture	50.4	0.0	50.4
Total	Lumens	23443.2	0.0	23443.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.7	1.7
10°-20°	1285.2	5.5
20°-30°	2172.5	9.3
30°-40°	2981.5	12.7
40°-50°	3802.0	16.2
50°-60°	4770.2	20.3
60°-70°	5753.3	24.5
70°-80°	2081.4	8.9
80°-90°	202.4	0.9
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°	23443.2	100.0
0°-180°	23443.2	100.0

Coefficient of Utilization



REPORT NUMBER: P639697

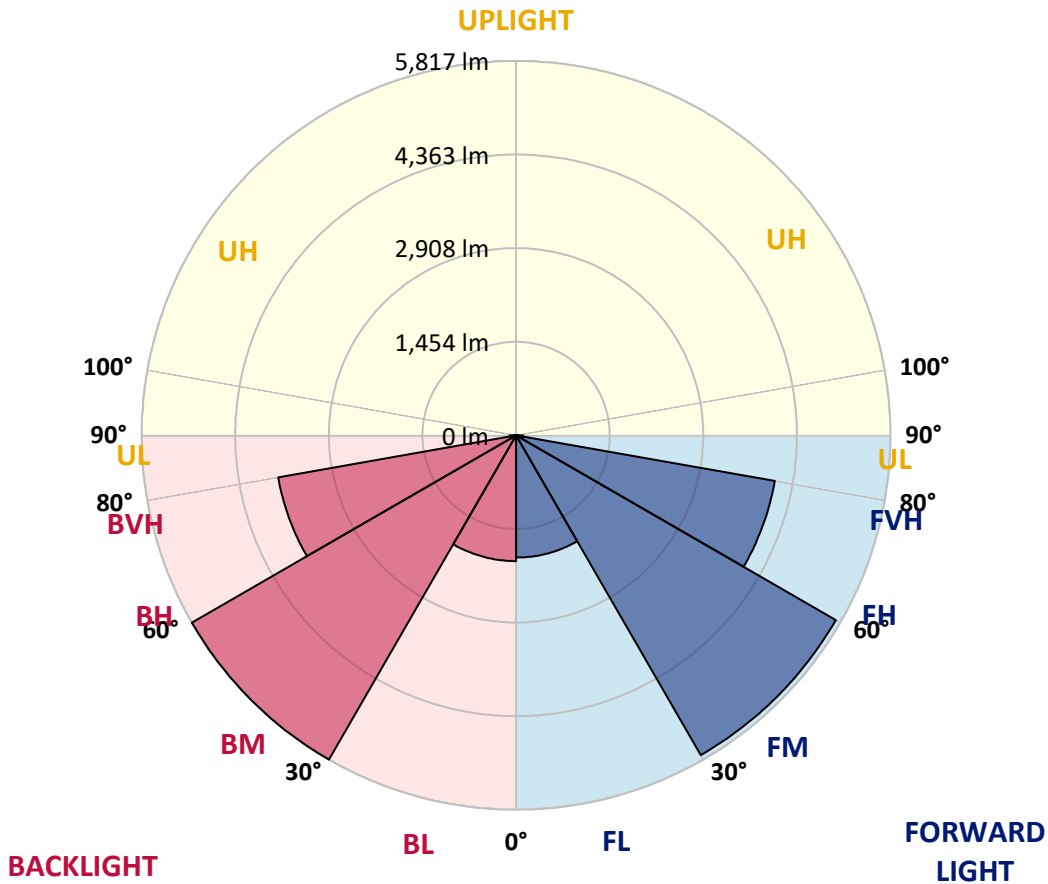
CATALOG NUMBER: GWS-SA5C-735-U-T1-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1898.7	8.1			
FM (30°-60°)	5737.0	24.5			
FH (60°-80°)	4081.8	17.4			G2/5000
FVH (80°-90°)	106.8	0.5			G2/225
BL (0°-30°)	1953.6	8.3	B3/2500		
BM (30°-60°)	5816.7	24.8	B4/8500		
BH (60°-80°)	3752.9	16.0	B4/5000		G4/5000
BVH (80°-90°)	95.6	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Medium





REPORT NUMBER: P639697
 CATALOG NUMBER: GWS-SA5C-735-U-T1-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	3934.8	3934.8	3934.8	3934.8	3934.8	3934.8	3934.8	3934.8	3934.8	3934.8	3934.8
2.5°	3946.5	3943.2	3934.8	3960.0	3955.0	3956.6	3966.7	3960.0	3948.2	3928.0	3956.6
5°	4057.7	4056.0	4037.5	4052.6	4035.8	4024.0	4022.3	4005.5	3992.0	3970.1	4000.4
7.5°	4165.4	4163.7	4148.6	4175.5	4162.0	4148.6	4133.4	4099.8	4067.8	4035.8	4069.4
10°	4247.9	4246.2	4242.9	4281.6	4285.0	4290.0	4283.3	4226.0	4170.5	4131.7	4165.4
12.5°	4295.1	4300.1	4308.5	4379.2	4414.6	4448.3	4456.7	4409.5	4316.9	4261.4	4301.8
15°	4263.1	4273.2	4315.3	4443.2	4540.9	4616.6	4648.6	4609.9	4490.4	4397.8	4443.2
17.5°	4109.9	4118.3	4200.8	4396.1	4611.6	4786.7	4838.9	4815.3	4682.3	4569.5	4613.3
20°	3897.7	3916.2	4005.5	4278.2	4599.8	4904.6	5044.3	5035.9	4891.1	4717.7	4769.9
22.5°	3705.8	3727.7	3821.9	4123.3	4520.7	4934.9	5251.4	5273.3	5081.3	4865.8	4907.9
25°	3490.3	3510.5	3631.7	3939.8	4384.3	4911.3	5428.2	5527.5	5296.8	5035.9	5074.6
27.5°	3269.7	3284.9	3404.4	3732.7	4205.8	4867.5	5567.9	5807.0	5509.0	5153.7	5180.7
30°	3076.1	3096.3	3205.7	3525.6	4010.5	4780.0	5682.4	6105.0	5753.1	5286.7	5308.6
32.5°	2889.2	2906.0	3025.6	3321.9	3803.4	4645.3	5785.1	6455.2	6115.1	5534.2	5534.2
35°	2653.5	2683.8	2818.5	3126.6	3608.1	4466.8	5859.2	6862.7	6610.1	5899.6	5901.3
37.5°	2436.3	2453.1	2594.5	2906.0	3402.7	4264.8	5865.9	7285.3	7236.4	6364.3	6367.7
40°	2188.8	2210.7	2362.2	2670.3	3167.0	4052.6	5801.9	7679.2	7893.1	6842.5	6823.9
42.5°	1937.9	1969.9	2114.7	2416.1	2912.8	3793.3	5631.9	8054.7	8726.5	7396.4	7350.9
45°	1695.5	1715.7	1860.5	2145.0	2621.5	3483.5	5359.1	8415.0	9716.5	8238.2	8172.6
47.5°	1422.7	1431.1	1581.0	1853.7	2320.1	3138.4	4968.5	8736.6	10804.2	9352.8	9240.0
50°	1180.3	1192.0	1309.9	1543.9	1951.4	2729.2	4481.9	8925.2	12189.8	10873.2	10677.9
52.5°	954.6	966.4	1060.7	1247.6	1613.0	2262.9	3879.2	8881.4	13595.7	12760.6	12476.0
55°	771.1	779.5	843.5	990.0	1269.5	1799.9	3167.0	8489.1	15156.5	15225.5	14612.6
57.5°	651.6	655.0	698.7	788.0	991.7	1387.3	2444.7	7563.1	16793.0	18370.6	17363.8
60°	582.6	584.2	604.4	660.0	782.9	1059.0	1791.4	6088.2	18488.5	22305.3	20924.7
62.5°	538.8	538.8	555.6	587.6	649.9	814.9	1316.6	4372.5	19705.8	26586.9	25214.7
65°	496.7	496.7	508.5	535.4	569.1	665.1	988.3	2820.2	20303.5	30166.4	29861.7
67.5°	442.8	444.5	452.9	481.5	511.8	555.6	749.2	1907.6	19062.6	31156.4	32698.7
70°	392.3	394.0	405.8	424.3	449.5	479.8	585.9	1315.0	13875.2	25948.8	29237.0
72.5°	336.7	343.5	351.9	372.1	387.2	409.1	478.2	851.9	8073.2	16692.0	19326.9
75°	276.1	284.5	294.6	314.8	324.9	333.4	394.0	607.8	3884.2	8458.8	9632.3
77.5°	213.8	222.2	234.0	252.6	259.3	269.4	301.4	439.4	1860.5	3749.5	4042.5
80°	143.1	146.5	156.6	178.5	190.3	197.0	222.2	299.7	808.2	1505.2	1491.7
82.5°	87.6	89.2	92.6	106.1	111.1	117.9	144.8	183.5	385.6	1710.6	1961.5
85°	32.0	30.3	28.6	37.0	43.8	50.5	67.3	92.6	168.4	1175.2	1315.0
87.5°	0.0	0.0	0.0	1.7	3.4	3.4	6.7	13.5	40.4	439.4	301.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P639697
 CATALOG NUMBER: GWS-SA5C-735-U-T1-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3934.8	3934.8	3934.8	3934.8	3934.8	3934.8	3934.8	3934.8	3934.8	3934.8	3934.8
2.5°	3948.2	3929.7	3953.3	3970.1	4007.2	4020.6	4024.0	4012.2	4012.2	3992.0	3995.4
5°	3993.7	3981.9	4020.6	4049.2	4103.1	4123.3	4136.8	4128.4	4133.4	4120.0	4123.3
7.5°	4062.7	4052.6	4120.0	4175.5	4231.1	4254.7	4266.4	4259.7	4261.4	4244.5	4249.6
10°	4158.7	4162.0	4242.9	4315.3	4389.3	4412.9	4418.0	4397.8	4380.9	4350.6	4352.3
12.5°	4290.0	4306.8	4421.3	4502.2	4577.9	4611.6	4574.5	4500.5	4431.4	4379.2	4372.5
15°	4433.1	4463.4	4628.4	4731.1	4813.6	4796.8	4687.4	4520.7	4384.3	4306.8	4291.7
17.5°	4604.9	4650.3	4857.4	4980.3	5051.0	4943.3	4714.3	4465.1	4274.9	4170.5	4150.3
20°	4766.5	4838.9	5099.9	5259.8	5268.2	5025.8	4702.5	4352.3	4113.2	3985.3	3958.3
22.5°	4914.7	5007.3	5354.1	5557.8	5448.4	5062.8	4630.1	4192.4	3917.9	3768.1	3744.5
25°	5076.3	5207.6	5650.4	5840.7	5628.5	5047.7	4478.6	3993.7	3682.2	3529.0	3512.1
27.5°	5187.4	5352.4	5948.4	6130.3	5776.7	4961.8	4283.3	3776.5	3466.7	3321.9	3298.3
30°	5315.4	5525.8	6276.7	6445.1	5867.6	4835.5	4074.5	3574.4	3266.3	3109.8	3092.9
32.5°	5547.7	5812.1	6684.2	6778.5	5896.2	4678.9	3874.1	3379.1	3057.6	2901.0	2877.4
35°	5921.5	6231.3	7256.6	7150.6	5874.3	4507.2	3683.9	3150.2	2843.7	2697.2	2673.7
37.5°	6392.9	6778.5	7894.8	7485.6	5813.7	4318.6	3458.3	2958.2	2651.8	2503.6	2490.2
40°	6832.4	7307.2	8610.3	7775.2	5690.8	4086.3	3241.1	2757.9	2444.7	2288.1	2257.8
42.5°	7382.9	8014.3	9438.7	8026.1	5488.8	3808.5	2996.9	2510.4	2185.4	2044.0	2006.9
45°	8219.7	9004.3	10401.8	8266.9	5187.4	3466.7	2690.5	2209.0	1900.9	1756.1	1727.5
47.5°	9263.6	10241.8	11445.6	8410.0	4729.4	3106.4	2343.7	1890.8	1582.7	1419.3	1405.9
50°	10730.1	12041.7	12565.3	8384.7	4217.6	2678.7	1953.1	1511.9	1254.3	1136.5	1118.0
52.5°	12516.5	14301.1	13775.8	8081.6	3673.8	2192.1	1522.0	1187.0	995.1	910.9	895.7
55°	14757.4	17006.8	15050.4	7431.7	2986.8	1678.6	1195.4	936.1	804.8	754.3	747.6
57.5°	17532.1	20510.5	16277.8	6337.4	2246.0	1281.3	921.0	772.8	710.5	680.2	678.5
60°	21194.1	24229.8	17343.6	4924.8	1607.9	979.9	761.0	690.3	641.5	621.3	619.6
62.5°	25548.1	27607.2	18006.9	3353.9	1208.9	781.2	670.1	626.3	597.7	585.9	584.2
65°	30023.3	29742.1	17690.4	2197.2	917.6	663.4	601.1	577.5	552.2	540.5	540.5
67.5°	32666.7	29290.9	15260.8	1525.4	727.3	582.6	542.1	520.3	478.2	468.1	468.1
70°	28934.0	23734.8	10002.7	1116.3	589.3	510.2	471.4	441.1	424.3	414.2	412.5
72.5°	19136.7	15444.4	5318.7	774.5	491.6	434.4	399.0	387.2	367.0	356.9	355.3
75°	9524.6	8112.0	2725.9	559.0	409.1	348.5	333.4	328.3	311.5	298.0	294.6
77.5°	3970.1	3611.5	1271.2	405.8	311.5	281.2	267.7	267.7	249.2	234.0	227.3
80°	1496.8	1333.5	601.1	277.8	230.7	208.8	200.4	193.6	178.5	159.9	149.8
82.5°	2001.9	1308.2	294.6	173.4	151.5	134.7	122.9	117.9	109.4	101.0	94.3
85°	1296.4	929.4	133.0	89.2	75.8	57.2	50.5	47.1	42.1	37.0	33.7
87.5°	264.3	311.5	40.4	16.8	10.1	5.1	5.1	1.7	0.0	0.0	0.0
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)