

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: P634835

Luminaire Tested: GWS-SA3C-750-U-AFL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634835
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-45)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-750-U-AFL-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14530.5 lumens
Efficiency: N/A
Efficacy: 156.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

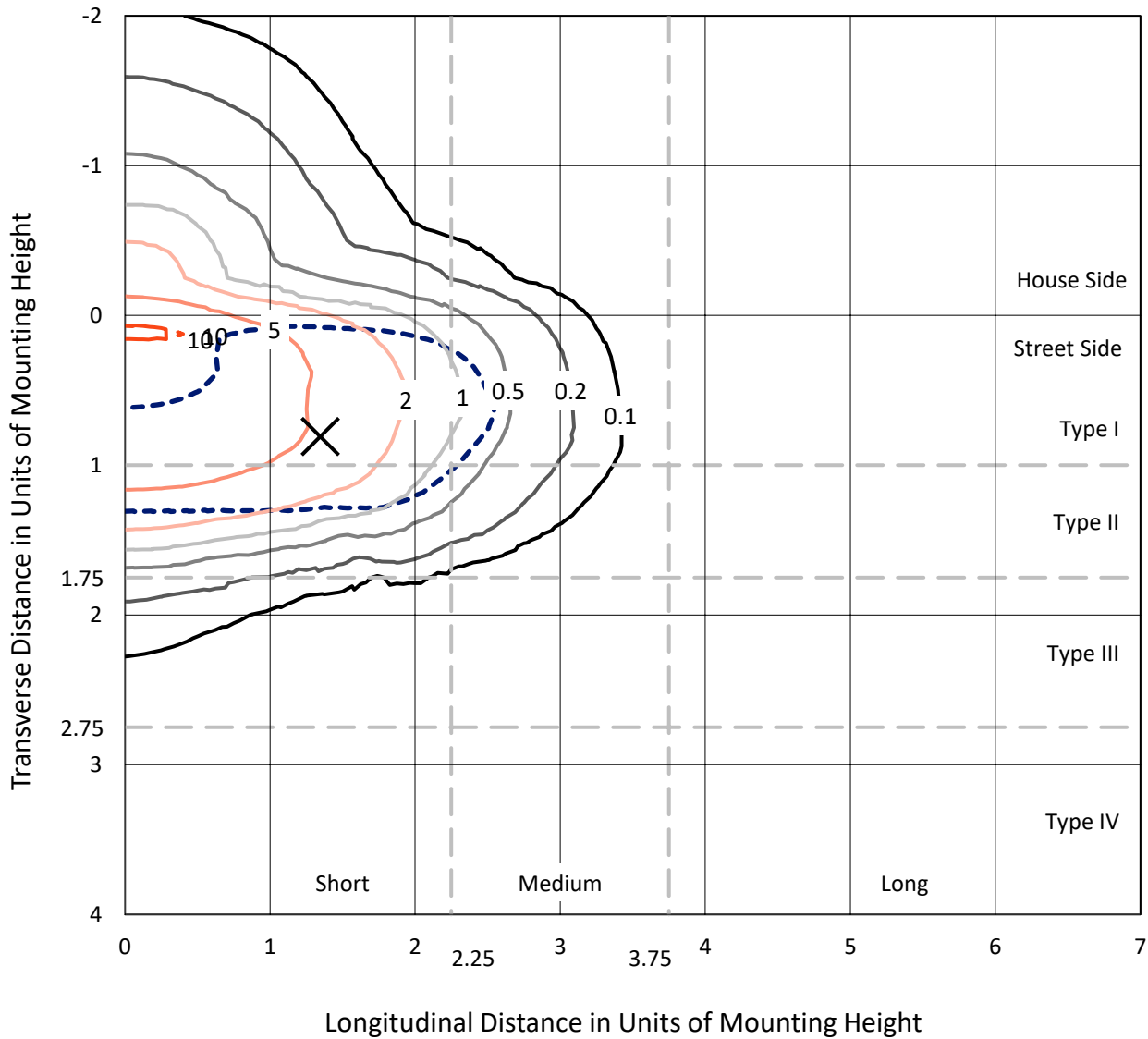
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634835
 CATALOG NUMBER: GWS-SA3C-750-U-AFL-W

Iso-Footcandle Lines of Horizontal Illumination

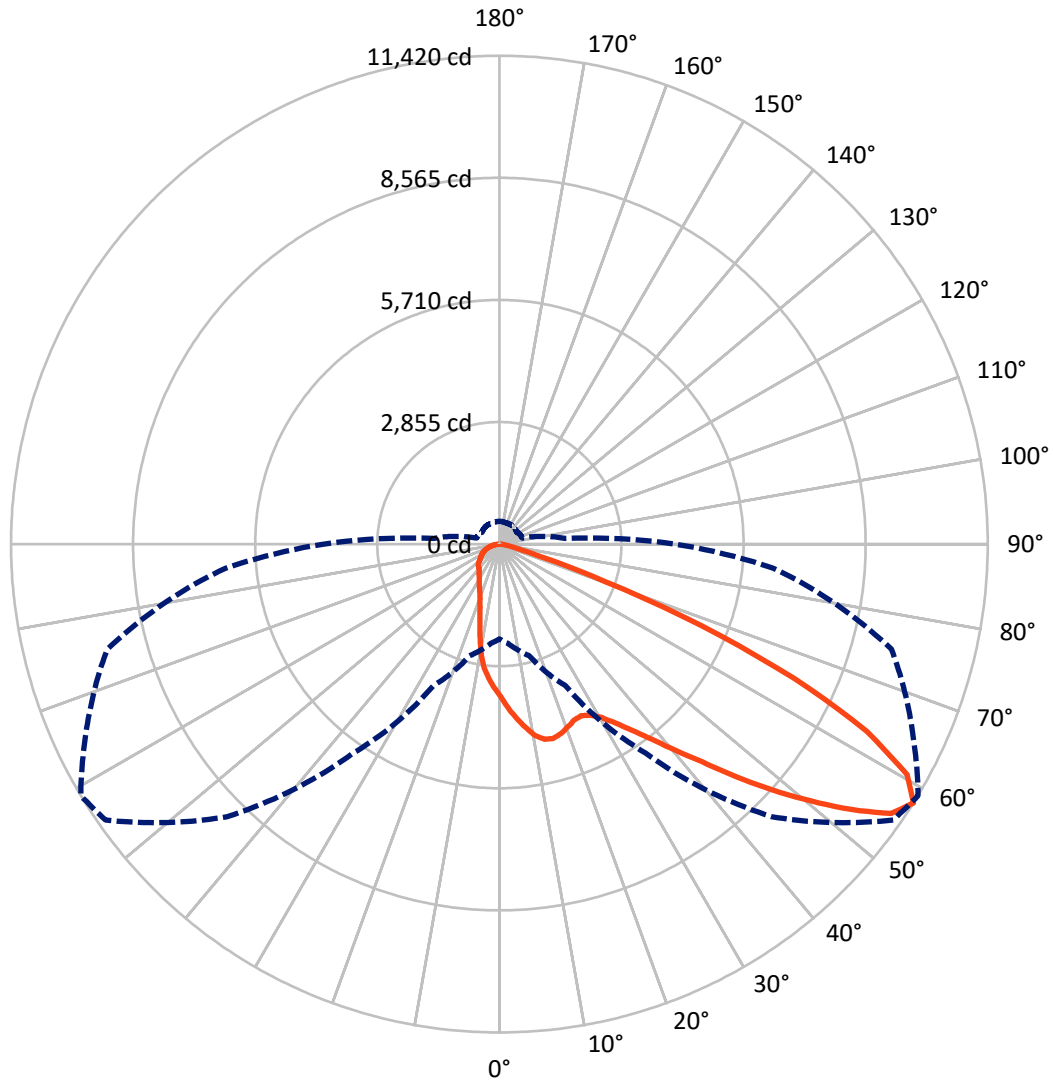
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - N/A

REPORT NUMBER: P634835
CATALOG NUMBER: GWS-SA3C-750-U-AFL-W

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P634835

CATALOG NUMBER: GWS-SA3C-750-U-AFL-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2255.1	0.0	2255.1
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	12275.5	0.0	12275.5
	% Fixture	84.5	0.0	84.5
Total	Lumens	14530.5	0.0	14530.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.2	2.3
10°-20°	839.3	5.8
20°-30°	1360.4	9.4
30°-40°	2188.4	15.1
40°-50°	3398.5	23.4
50°-60°	3660.6	25.2
60°-70°	2124.5	14.6
70°-80°	554.6	3.8
80°-90°	73.1	0.5
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°	14530.5	100.0
0°-180°	14530.5	100.0

Coefficient of Utilization



REPORT NUMBER: P634835

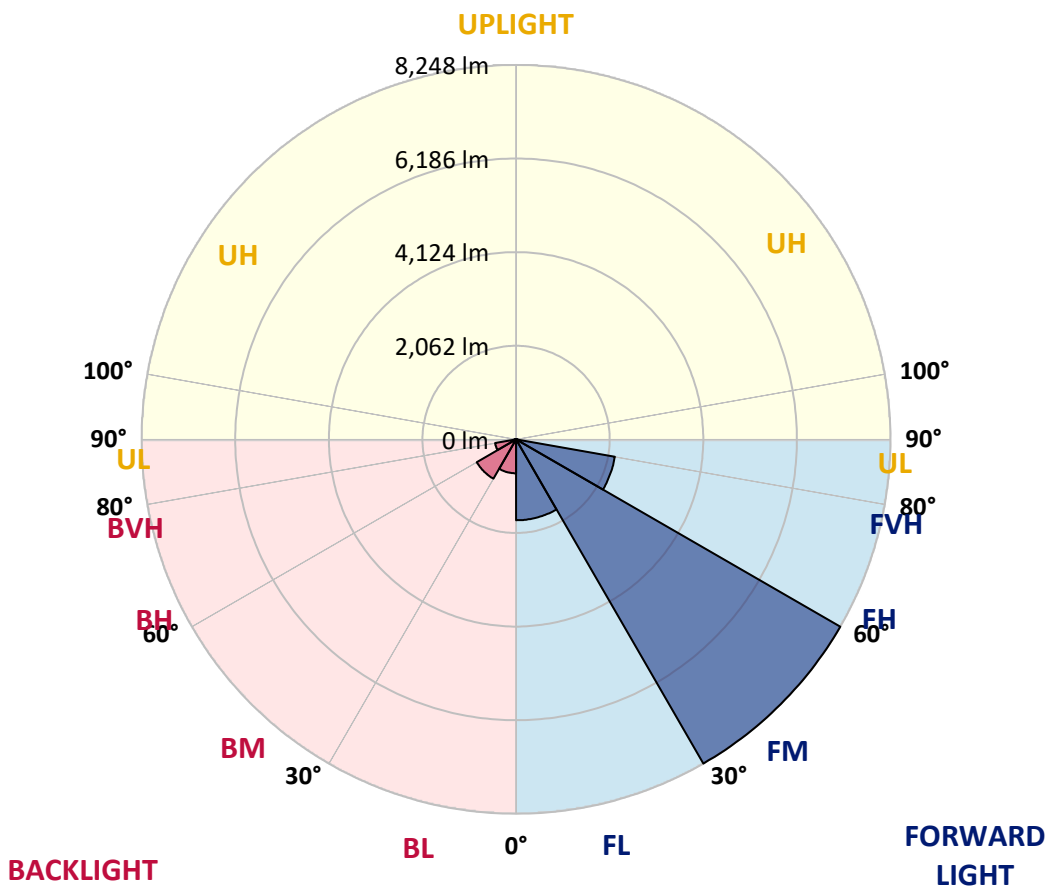
CATALOG NUMBER: GWS-SA3C-750-U-AFL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1782.8	12.3			
FM (30°-60°)	8247.7	56.8			
FH (60°-80°)	2210.0	15.2			G2/5000
FVH (80°-90°)	35.0	0.2			G1/100
BL (0°-30°)	748.1	5.1	B2/1000		
BM (30°-60°)	999.8	6.9	B1/1000		
BH (60°-80°)	469.0	3.2	B1/500		G1/500
BVH (80°-90°)	38.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





REPORT NUMBER: P634835
 CATALOG NUMBER: GWS-SA3C-750-U-AFL-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	3566.9	3566.9	3566.9	3566.9	3566.9	3566.9	3566.9	3566.9	3566.9	3566.9	3566.9
2.5°	4045.7	4011.9	4035.4	3993.5	3976.1	3930.1	3870.8	3830.9	3769.5	3689.7	3620.1
5°	4447.7	4424.2	4429.3	4384.3	4344.4	4267.7	4145.9	4078.4	3974.1	3813.5	3664.1
7.5°	4435.4	4463.0	4478.4	4517.2	4528.5	4521.3	4411.9	4317.8	4203.2	3961.8	3736.8
10°	3976.1	4028.3	4075.3	4208.3	4369.9	4574.5	4600.1	4543.8	4428.3	4151.0	3823.7
12.5°	3475.9	3515.8	3557.7	3717.3	3964.9	4374.0	4651.3	4686.0	4640.0	4338.2	3921.9
15°	3230.4	3248.8	3288.7	3394.1	3591.5	4045.7	4562.3	4714.7	4797.5	4536.7	4032.4
17.5°	3220.2	3228.4	3247.8	3304.1	3441.1	3792.0	4401.7	4657.4	4921.3	4746.4	4161.3
20°	3431.9	3410.4	3398.2	3397.1	3464.7	3707.1	4246.2	4565.3	4979.6	4961.2	4299.4
22.5°	3725.5	3732.7	3706.1	3640.6	3632.4	3767.4	4168.4	4472.2	4997.0	5151.5	4427.2
25°	4141.8	4177.6	4098.9	3974.1	3912.7	3942.4	4216.5	4443.6	4995.0	5310.0	4507.0
27.5°	4627.7	4655.3	4575.6	4411.9	4285.0	4213.4	4359.7	4528.5	5012.3	5447.1	4555.1
30°	5181.1	5190.3	5080.9	4909.0	4723.9	4570.4	4598.1	4703.4	5101.3	5627.1	4611.4
32.5°	5857.3	5896.2	5730.4	5458.3	5199.5	5003.1	4918.2	4985.7	5293.6	5839.9	4698.3
35°	6715.5	6728.8	6518.1	6128.4	5762.1	5490.1	5312.1	5347.9	5586.2	6137.6	4829.2
37.5°	7524.7	7538.0	7313.9	6951.8	6428.1	6055.7	5798.0	5781.6	5960.6	6558.0	5043.0
40°	8038.2	8076.0	7975.8	7748.7	7248.5	6746.2	6396.4	6340.1	6451.6	7072.5	5340.7
42.5°	8314.4	8330.7	8328.7	8358.3	8060.7	7561.5	7071.5	6959.0	7033.6	7628.0	5641.4
45°	8316.4	8357.3	8466.8	8752.2	8765.5	8454.5	7924.6	7748.7	7680.1	8187.5	5955.5
47.5°	7944.1	7988.0	8288.8	8850.4	9264.7	9335.2	8946.5	8593.6	8305.1	8669.3	6213.3
50°	6816.8	6927.3	7500.1	8493.4	9362.9	10041.1	9921.4	9442.6	8860.6	9041.7	6374.9
52.5°	5837.8	5833.8	6186.7	7484.8	8952.7	10352.0	10864.5	10316.2	9409.9	9277.9	6415.8
55°	4274.8	4298.3	4659.4	5724.3	7858.1	10051.3	11383.1	11120.2	10040.0	9403.8	6399.4
57.5°	2216.7	2333.3	2703.6	3652.9	5970.8	9016.1	11245.0	11420.0	10680.4	9492.8	6420.9
60°	1120.1	1097.6	1230.6	1744.1	3459.5	7041.8	10394.0	10951.5	10796.0	9562.3	6434.2
62.5°	747.8	741.6	704.8	808.1	1413.7	4170.5	8860.6	9642.1	9993.0	9398.7	6264.4
65°	647.5	635.2	567.7	563.6	686.4	1729.8	6494.6	7579.9	8259.1	8671.4	5858.3
67.5°	583.1	564.7	496.1	462.4	493.1	760.0	3660.0	5083.9	6098.7	7333.4	4968.4
70°	520.7	511.5	442.9	393.8	390.8	463.4	1348.2	2623.8	3731.6	5003.1	3632.4
72.5°	466.5	450.1	391.8	344.7	321.2	328.4	585.1	1010.7	1931.3	3121.0	2172.7
75°	404.1	391.8	340.6	293.6	264.9	240.4	357.0	467.5	880.7	1483.2	1026.0
77.5°	312.0	303.8	269.0	233.2	216.9	179.0	216.9	294.6	407.1	625.0	534.0
80°	181.1	186.2	200.5	182.1	159.6	127.9	141.2	169.8	244.5	338.6	302.8
82.5°	91.0	97.2	129.9	105.4	95.1	74.7	83.9	100.2	127.9	187.2	118.7
85°	7.2	7.2	23.5	26.6	32.7	26.6	33.8	40.9	58.3	74.7	39.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	5.1	9.2	17.4	11.3
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: P634835
 CATALOG NUMBER: GWS-SA3C-750-U-AFL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3566.9	3566.9	3566.9	3566.9	3566.9	3566.9	3566.9	3566.9	3566.9	3566.9	3566.9
2.5°	3573.1	3520.9	3458.5	3407.4	3328.6	3286.7	3233.5	3168.0	3141.4	3129.1	3122.0
5°	3580.2	3488.2	3355.2	3232.5	3096.4	2989.0	2869.3	2744.5	2672.9	2655.5	2643.2
7.5°	3606.8	3478.0	3266.2	3063.7	2811.0	2576.8	2348.6	2122.6	2007.0	1963.0	1958.9
10°	3643.7	3473.9	3176.2	2839.6	2413.1	2042.8	1775.8	1598.8	1524.2	1499.6	1491.4
12.5°	3689.7	3470.8	3057.5	2528.7	1953.8	1603.9	1451.5	1422.9	1433.1	1431.1	1431.1
15°	3748.0	3474.9	2914.3	2176.8	1580.4	1392.2	1395.3	1429.0	1460.7	1465.9	1465.9
17.5°	3811.4	3470.8	2706.7	1823.9	1356.4	1342.1	1389.1	1436.2	1464.8	1468.9	1468.9
20°	3880.0	3451.4	2444.8	1491.4	1258.2	1310.4	1361.5	1398.3	1415.7	1419.8	1419.8
22.5°	3920.9	3396.1	2160.4	1262.3	1195.8	1260.2	1294.0	1331.9	1333.9	1301.2	1300.1
25°	3914.7	3292.8	1836.2	1115.0	1129.3	1185.6	1228.5	1201.9	1169.2	1150.8	1147.7
27.5°	3875.9	3137.3	1505.7	1003.5	1050.5	1114.0	1100.7	1078.2	1070.0	1049.5	1047.5
30°	3826.8	2946.0	1209.1	916.5	968.7	1027.0	1006.6	1004.5	996.3	973.8	973.8
32.5°	3779.7	2748.6	985.1	852.1	916.5	920.6	949.3	951.3	947.2	908.4	904.3
35°	3766.4	2551.2	833.7	801.0	865.4	863.4	904.3	903.2	832.7	778.4	777.4
37.5°	3806.3	2350.7	743.7	759.0	794.8	821.4	854.1	794.8	771.3	738.6	736.5
40°	3891.2	2165.5	697.6	734.5	749.8	788.7	737.5	741.6	735.5	710.9	707.9
42.5°	4003.7	2008.0	672.1	726.3	724.2	734.5	678.2	694.6	703.8	685.4	682.3
45°	4112.2	1870.9	658.8	695.6	705.8	646.5	635.2	650.6	664.9	657.7	654.7
47.5°	4192.0	1752.3	651.6	653.7	682.3	616.8	598.4	605.6	623.0	626.0	625.0
50°	4216.5	1651.0	643.4	618.9	612.7	587.2	572.8	570.8	591.3	605.6	607.6
52.5°	4169.5	1561.0	621.9	588.2	558.5	562.6	557.5	547.3	567.7	587.2	589.2
55°	4099.9	1509.8	588.2	558.5	523.7	540.1	542.2	532.9	546.2	559.5	559.5
57.5°	4105.0	1539.5	555.4	530.9	493.1	514.5	525.8	521.7	521.7	531.9	532.9
60°	4138.8	1582.5	534.0	496.1	462.4	484.9	510.4	506.3	497.1	510.4	510.4
62.5°	4041.6	1525.2	519.6	462.4	429.6	456.2	486.9	484.9	474.6	496.1	498.2
65°	3755.2	1371.7	503.3	420.4	396.9	427.6	454.2	461.3	452.1	480.8	485.9
67.5°	3147.5	1153.9	471.6	380.5	364.2	392.8	418.4	428.6	421.4	455.2	459.3
70°	2346.6	933.9	421.4	336.5	324.3	349.8	373.4	377.5	378.5	418.4	422.5
72.5°	1496.5	726.3	355.0	287.4	278.2	297.7	315.1	331.4	338.6	376.4	375.4
75°	834.7	540.1	285.4	243.5	227.1	242.4	262.9	282.3	302.8	358.0	364.2
77.5°	480.8	379.5	226.1	195.4	175.9	192.3	209.7	237.3	298.7	346.8	340.6
80°	271.1	246.5	170.8	143.2	130.9	143.2	156.5	208.7	235.3	255.7	258.8
82.5°	126.8	138.1	116.6	88.0	88.0	96.2	108.4	161.6	178.0	145.3	126.8
85°	46.0	62.4	57.3	45.0	39.9	38.9	67.5	92.1	57.3	51.1	44.0
87.5°	12.3	17.4	16.4	11.3	6.1	5.1	0.0	0.0	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)