

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: P635055

Luminaire Tested: GWS-SA3D-722-U-AFL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635055
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-SA3D-722-U-AFL-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13200.1 lumens
Efficiency: N/A
Efficacy: 109.3 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

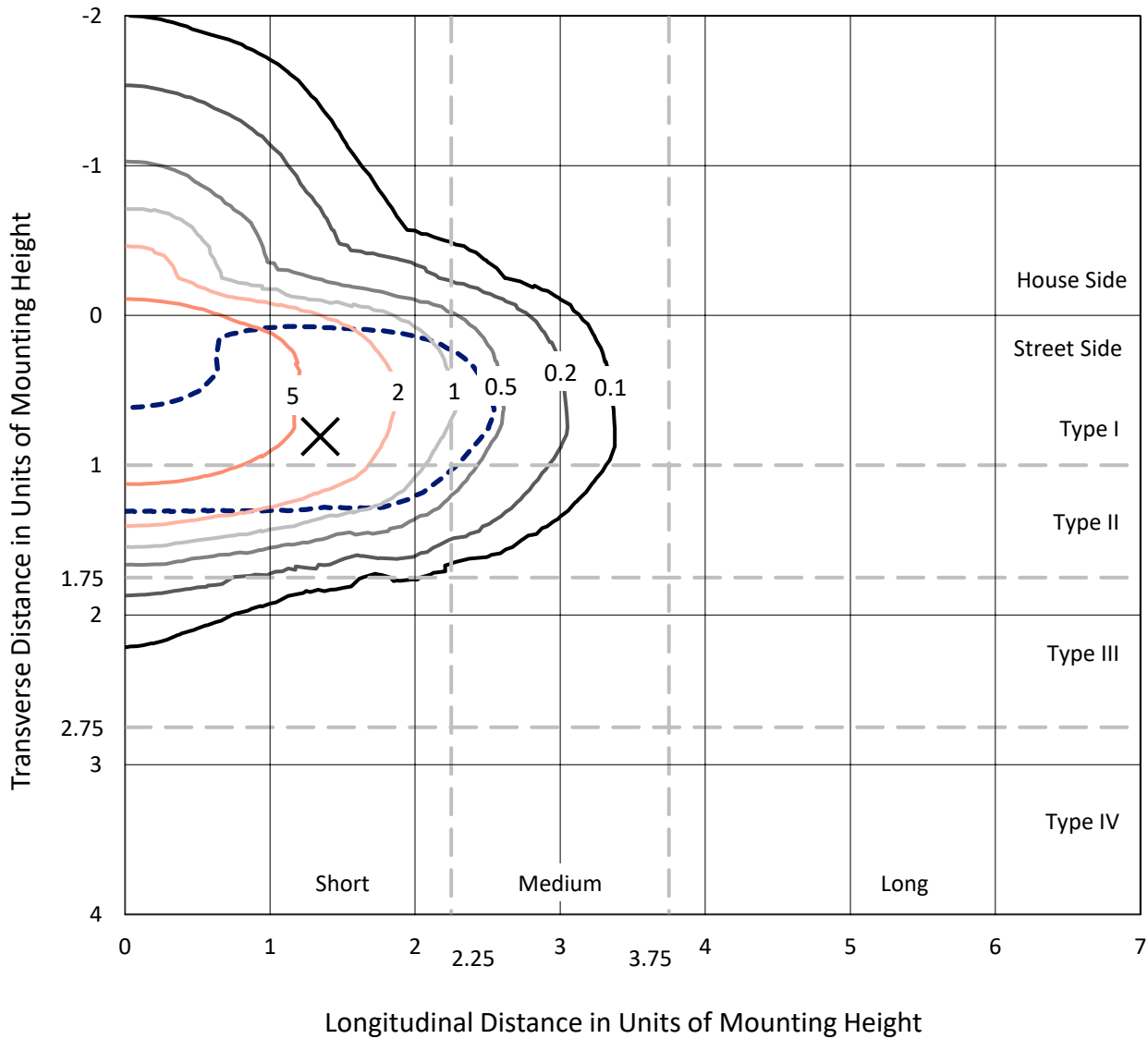
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

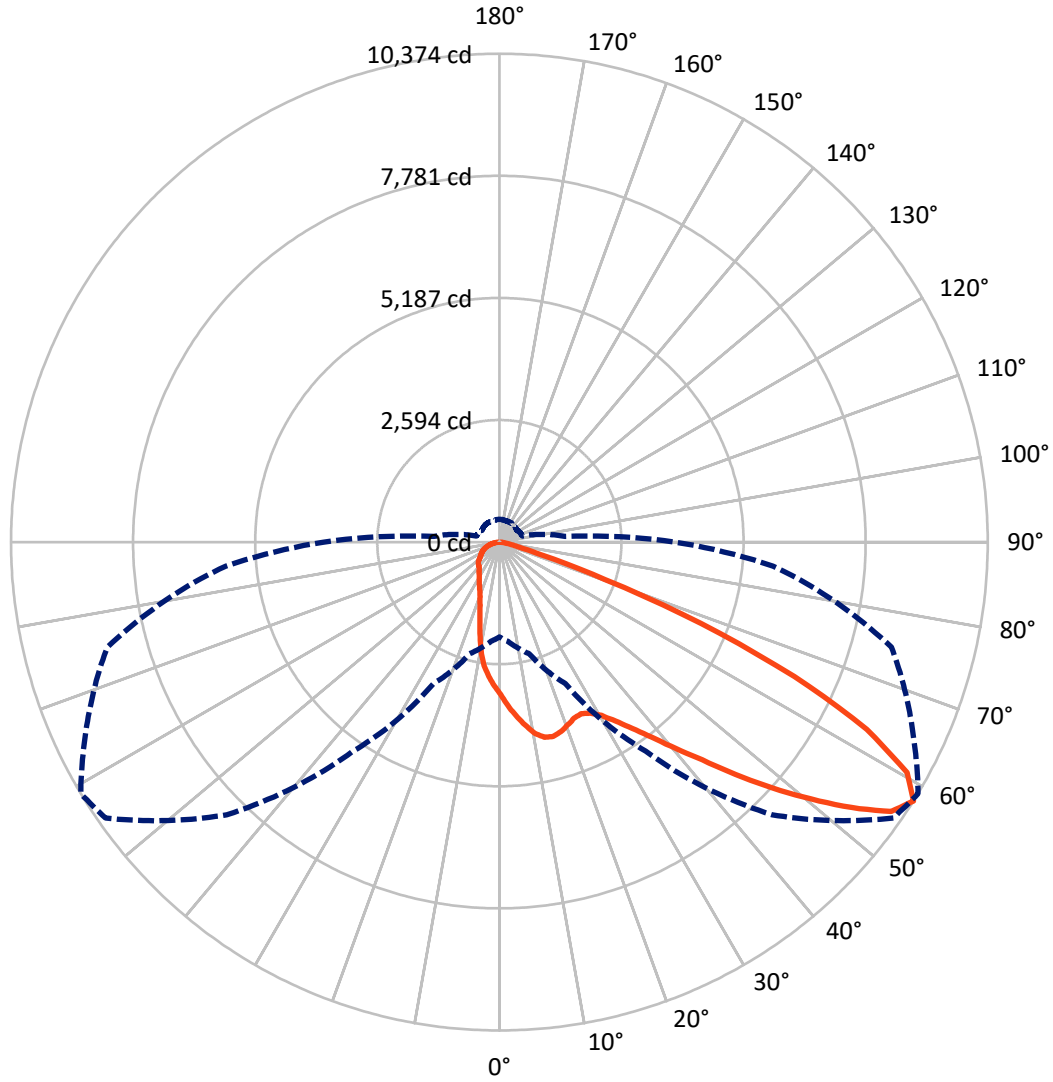
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2048.6	0.0	2048.6
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	11151.5	0.0	11151.5
	% Fixture	84.5	0.0	84.5
Total	Lumens	13200.1	0.0	13200.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.9	2.3
10°-20°	762.4	5.8
20°-30°	1235.9	9.4
30°-40°	1988.1	15.1
40°-50°	3087.3	23.4
50°-60°	3325.4	25.2
60°-70°	1929.9	14.6
70°-80°	503.8	3.8
80°-90°	66.4	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°	13200.1	100.0
0°-180°	13200.1	100.0

Coefficient of Utilization



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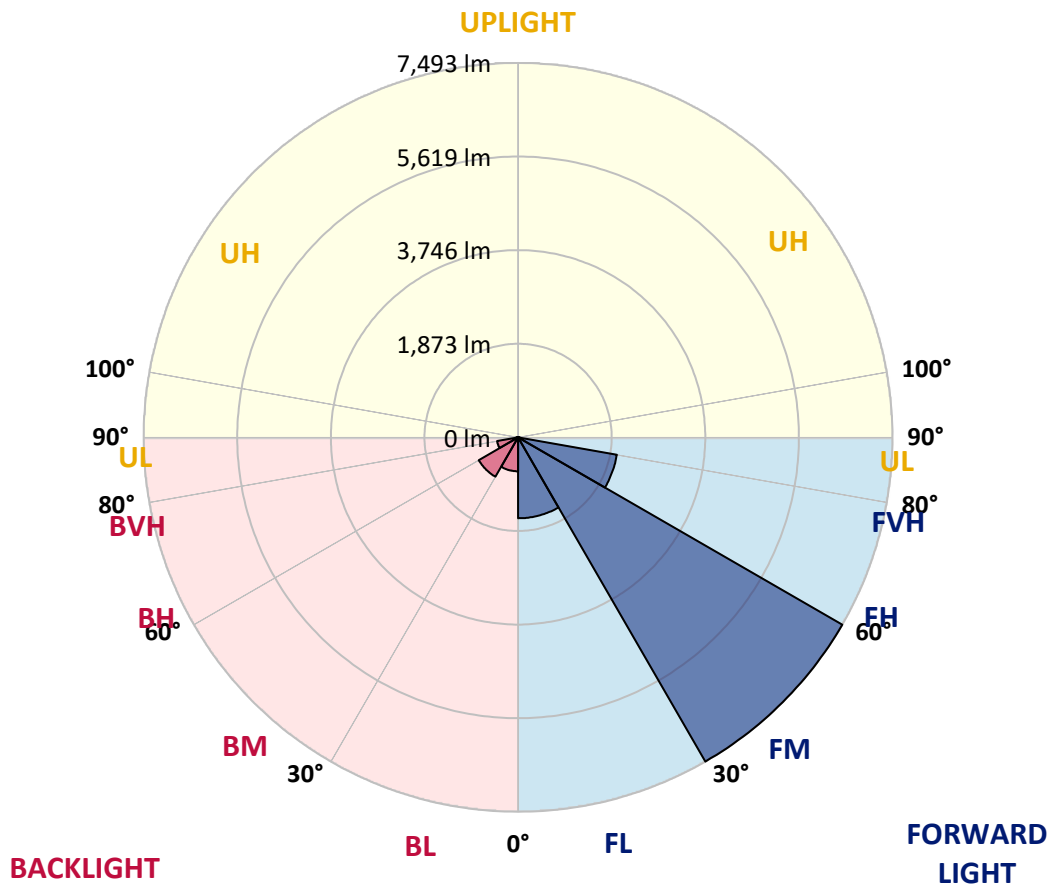
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1619.5	12.3			
FM (30°-60°)	7492.5	56.8			
FH (60°-80°)	2007.7	15.2			G2/5000
FVH (80°-90°)	31.8	0.2			G1/100
BL (0°-30°)	679.6	5.1	B2/1000		
BM (30°-60°)	908.3	6.9	B1/1000		
BH (60°-80°)	426.1	3.2	B1/500		G1/500
BVH (80°-90°)	34.6	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	3240.4	3240.4	3240.4	3240.4	3240.4	3240.4	3240.4	3240.4	3240.4	3240.4	3240.4
2.5°	3675.3	3644.6	3666.0	3627.9	3612.1	3570.3	3516.4	3480.1	3424.4	3351.9	3288.7
5°	4040.5	4019.1	4023.7	3982.8	3946.6	3876.9	3766.3	3705.0	3610.2	3464.3	3328.6
7.5°	4029.3	4054.4	4068.3	4103.7	4113.9	4107.4	4007.9	3922.4	3818.4	3599.1	3394.6
10°	3612.1	3659.5	3702.2	3823.0	3969.8	4155.7	4178.9	4127.8	4022.8	3771.0	3473.6
12.5°	3157.7	3193.9	3232.0	3377.0	3601.8	3973.6	4225.4	4257.0	4215.2	3941.0	3562.8
15°	2934.6	2951.4	2987.6	3083.3	3262.7	3675.3	4144.5	4283.0	4358.3	4121.3	3663.2
17.5°	2925.3	2932.8	2950.4	3001.5	3126.1	3444.8	3998.6	4231.0	4470.7	4311.8	3780.3
20°	3117.7	3098.2	3087.0	3086.1	3147.4	3367.7	3857.4	4147.3	4523.7	4507.0	3905.7
22.5°	3384.4	3390.9	3366.7	3307.3	3299.8	3422.5	3786.8	4062.8	4539.5	4679.8	4021.9
25°	3762.6	3795.1	3723.6	3610.2	3554.5	3581.4	3830.4	4036.7	4537.6	4823.8	4094.4
27.5°	4204.0	4229.1	4156.6	4007.9	3892.7	3827.7	3960.5	4113.9	4553.4	4948.4	4138.0
30°	4706.7	4715.1	4615.7	4459.6	4291.4	4152.0	4177.1	4272.8	4634.3	5111.9	4189.1
32.5°	5321.0	5356.3	5205.8	4958.6	4723.5	4545.1	4467.9	4529.3	4809.0	5305.2	4268.1
35°	6100.7	6112.7	5921.3	5567.2	5234.6	4987.4	4825.7	4858.2	5074.7	5575.6	4387.1
37.5°	6835.7	6847.8	6644.3	6315.3	5839.5	5501.3	5267.1	5252.2	5414.8	5957.5	4581.3
40°	7302.2	7336.6	7245.5	7039.2	6584.8	6128.5	5810.7	5759.6	5860.9	6425.0	4851.7
42.5°	7553.1	7568.0	7566.1	7593.1	7322.6	6869.2	6424.0	6321.8	6389.7	6929.6	5124.9
45°	7555.0	7592.1	7691.6	7950.8	7962.9	7680.4	7199.0	7039.2	6977.0	7437.9	5410.2
47.5°	7216.7	7256.7	7529.9	8040.0	8416.4	8480.5	8127.4	7806.8	7544.7	7875.6	5644.4
50°	6192.6	6293.0	6813.4	7715.7	8505.6	9121.7	9013.0	8578.1	8049.3	8213.8	5791.2
52.5°	5303.3	5299.6	5620.2	6799.5	8133.0	9404.2	9869.8	9371.7	8548.3	8428.5	5828.4
55°	3883.4	3904.8	4232.8	5200.2	7138.6	9131.0	10340.9	10102.1	9120.8	8542.8	5813.5
57.5°	2013.7	2119.7	2456.1	3318.4	5424.1	8190.6	10215.5	10374.4	9702.5	8623.6	5833.0
60°	1017.5	997.1	1117.9	1584.4	3142.8	6397.1	9442.3	9948.8	9807.5	8686.8	5845.1
62.5°	679.3	673.7	640.3	734.1	1284.2	3788.6	8049.3	8759.3	9078.0	8538.1	5690.8
65°	588.2	577.1	515.7	512.0	623.5	1571.4	5899.9	6885.9	7502.9	7877.4	5321.9
67.5°	529.7	513.0	450.7	420.0	447.9	690.4	3324.9	4618.5	5540.3	6661.9	4513.5
70°	473.0	464.6	402.4	357.8	355.0	421.0	1224.8	2383.6	3390.0	4545.1	3299.8
72.5°	423.7	408.9	355.9	313.2	291.8	298.3	531.5	918.1	1754.5	2835.2	1973.8
75°	367.1	355.9	309.4	266.7	240.7	218.4	324.3	424.7	800.1	1347.4	932.1
77.5°	283.4	276.0	244.4	211.9	197.0	162.6	197.0	267.6	369.8	567.8	485.1
80°	164.5	169.1	182.1	165.4	145.0	116.2	128.2	154.3	222.1	307.6	275.1
82.5°	82.7	88.3	118.0	95.7	86.4	67.8	76.2	91.1	116.2	170.1	107.8
85°	6.5	6.5	21.4	24.2	29.7	24.2	30.7	37.2	53.0	67.8	36.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	4.6	8.4	15.8	10.2
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°	3240.4	3240.4	3240.4	3240.4	3240.4	3240.4	3240.4	3240.4	3240.4	3240.4	3240.4
2.5°	3245.9	3198.5	3141.9	3095.4	3023.8	2985.7	2937.4	2877.9	2853.8	2842.6	2836.1
5°	3252.4	3168.8	3048.0	2936.5	2812.9	2715.3	2606.6	2493.2	2428.2	2412.4	2401.2
7.5°	3276.6	3159.5	2967.2	2783.2	2553.6	2340.8	2133.6	1928.2	1823.2	1783.3	1779.5
10°	3310.1	3155.8	2885.4	2579.7	2192.1	1855.7	1613.2	1452.4	1384.6	1362.3	1354.9
12.5°	3351.9	3153.0	2777.6	2297.2	1774.9	1457.1	1318.6	1292.6	1301.9	1300.0	1300.0
15°	3404.8	3156.7	2647.5	1977.5	1435.7	1264.7	1267.5	1298.2	1327.0	1331.6	1331.6
17.5°	3462.5	3153.0	2458.8	1656.9	1232.2	1219.2	1261.9	1304.7	1330.7	1334.4	1334.4
20°	3524.7	3135.4	2221.0	1354.9	1143.0	1190.4	1236.9	1270.3	1286.1	1289.8	1289.8
22.5°	3561.9	3085.2	1962.6	1146.7	1086.3	1144.9	1175.5	1209.9	1211.8	1182.0	1181.1
25°	3556.3	2991.3	1668.0	1012.9	1025.9	1077.0	1116.1	1091.9	1062.2	1045.4	1042.6
27.5°	3521.0	2850.1	1367.9	911.6	954.4	1012.0	999.9	979.4	972.0	953.4	951.6
30°	3476.4	2676.3	1098.4	832.6	880.0	933.0	914.4	912.5	905.1	884.7	884.7
32.5°	3433.6	2496.9	894.9	774.1	832.6	836.3	862.4	864.2	860.5	825.2	821.5
35°	3421.6	2317.6	757.4	727.6	786.2	784.3	821.5	820.5	756.4	707.2	706.2
37.5°	3457.8	2135.5	675.6	689.5	722.0	746.2	775.9	722.0	700.7	670.9	669.1
40°	3534.9	1967.3	633.8	667.2	681.2	716.5	670.0	673.7	668.1	645.8	643.1
42.5°	3637.2	1824.2	610.5	659.8	657.9	667.2	616.1	631.0	639.3	622.6	619.8
45°	3735.7	1699.6	598.4	631.9	641.2	587.3	577.1	591.0	604.0	597.5	594.7
47.5°	3808.1	1591.8	591.9	593.8	619.8	560.3	543.6	550.1	565.9	568.7	567.8
50°	3830.4	1499.8	584.5	562.2	556.6	533.4	520.4	518.5	537.1	550.1	552.0
52.5°	3787.7	1418.1	565.0	534.3	507.4	511.1	506.5	497.2	515.7	533.4	535.3
55°	3724.5	1371.6	534.3	507.4	475.8	490.7	492.5	484.1	496.2	508.3	508.3
57.5°	3729.2	1398.5	504.6	482.3	447.9	467.4	477.6	473.9	473.9	483.2	484.1
60°	3759.8	1437.6	485.1	450.7	420.0	440.5	463.7	460.0	451.6	463.7	463.7
62.5°	3671.5	1385.5	472.1	420.0	390.3	414.5	442.3	440.5	431.2	450.7	452.6
65°	3411.3	1246.1	457.2	381.9	360.6	388.4	412.6	419.1	410.7	436.8	441.4
67.5°	2859.4	1048.2	428.4	345.7	330.8	356.8	380.1	389.4	382.9	413.5	417.2
70°	2131.7	848.4	382.9	305.7	294.6	317.8	339.2	342.9	343.8	380.1	383.8
72.5°	1359.5	659.8	322.5	261.1	252.8	270.4	286.2	301.1	307.6	342.0	341.0
75°	758.3	490.7	259.3	221.2	206.3	220.2	238.8	256.5	275.1	325.2	330.8
77.5°	436.8	344.8	205.4	177.5	159.8	174.7	190.5	215.6	271.3	315.0	309.4
80°	246.3	224.0	155.2	130.1	118.9	130.1	142.2	189.6	213.7	232.3	235.1
82.5°	115.2	125.5	105.9	79.9	79.9	87.4	98.5	146.8	161.7	132.0	115.2
85°	41.8	56.7	52.0	40.9	36.2	35.3	61.3	83.6	52.0	46.5	40.0
87.5°	11.2	15.8	14.9	10.2	5.6	4.6	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)