

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: P632910

Luminaire Tested: GWS-SA2D-760-U-AFL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632910
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-SA2D-760-U-AFL-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11995.7 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

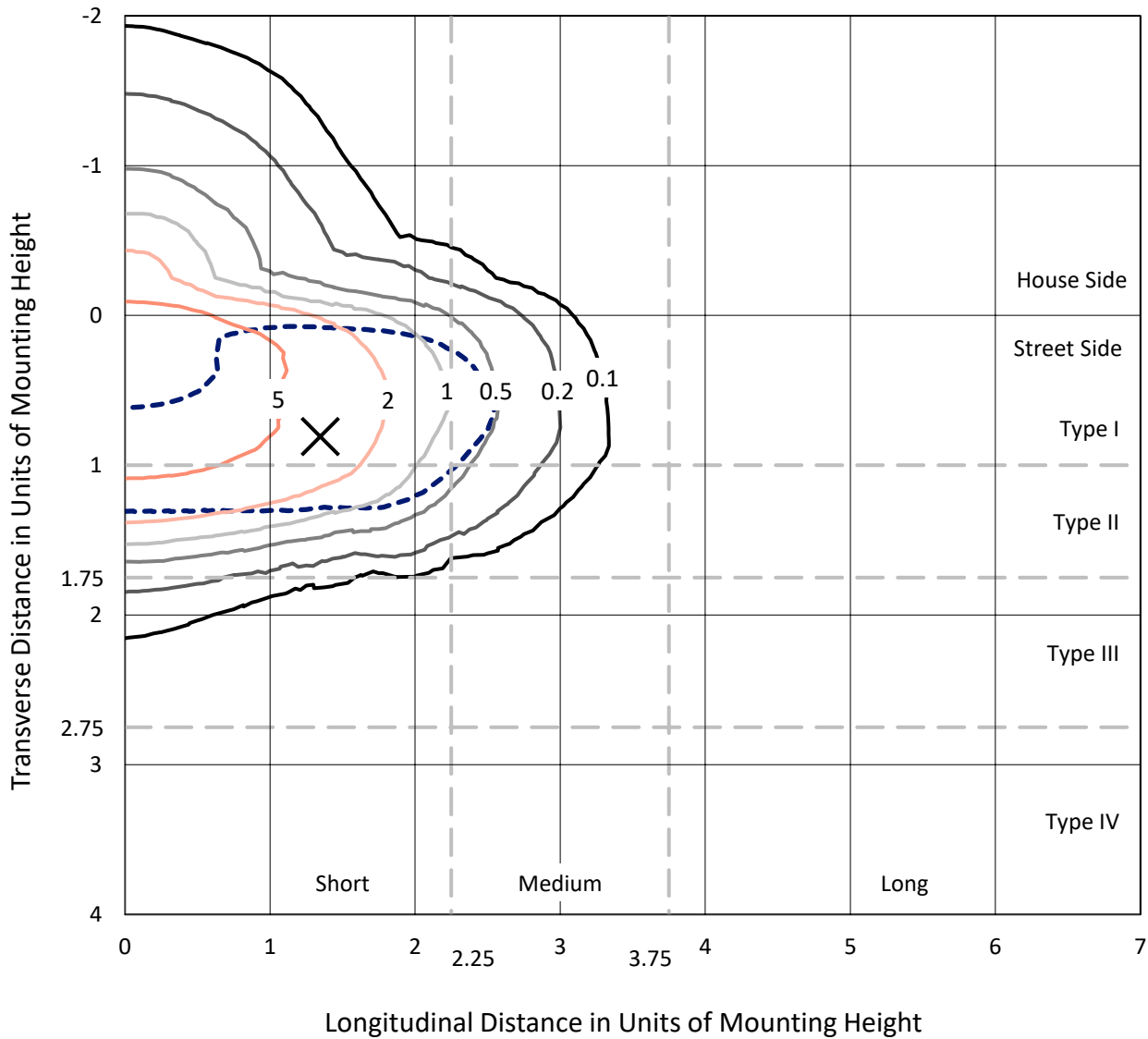
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632910
 CATALOG NUMBER: GWS-SA2D-760-U-AFL-W

Iso-Footcandle Lines of Horizontal Illumination

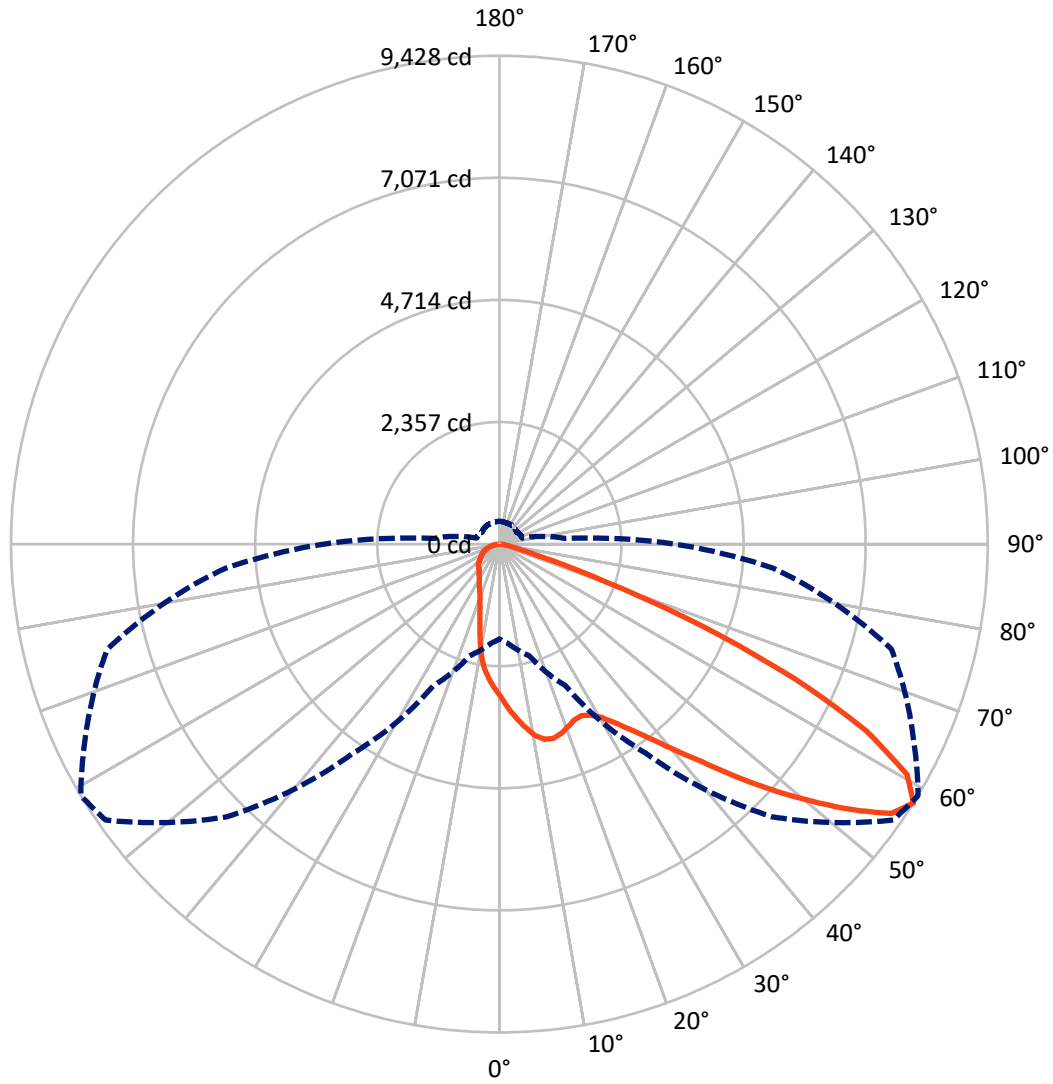
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9 fc
 Type II - Short - N/A

REPORT NUMBER: P632910
CATALOG NUMBER: GWS-SA2D-760-U-AFL-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P632910

CATALOG NUMBER: GWS-SA2D-760-U-AFL-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1861.7	0.0	1861.7
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	10134.0	0.0	10134.0
	% Fixture	84.5	0.0	84.5
Total	Lumens	11995.7	0.0	11995.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.4	2.3
10°-20°	692.8	5.8
20°-30°	1123.1	9.4
30°-40°	1806.7	15.1
40°-50°	2805.6	23.4
50°-60°	3022.0	25.2
60°-70°	1753.9	14.6
70°-80°	457.9	3.8
80°-90°	60.3	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°	11995.7	100.0
0°-180°	11995.7	100.0

Coefficient of Utilization



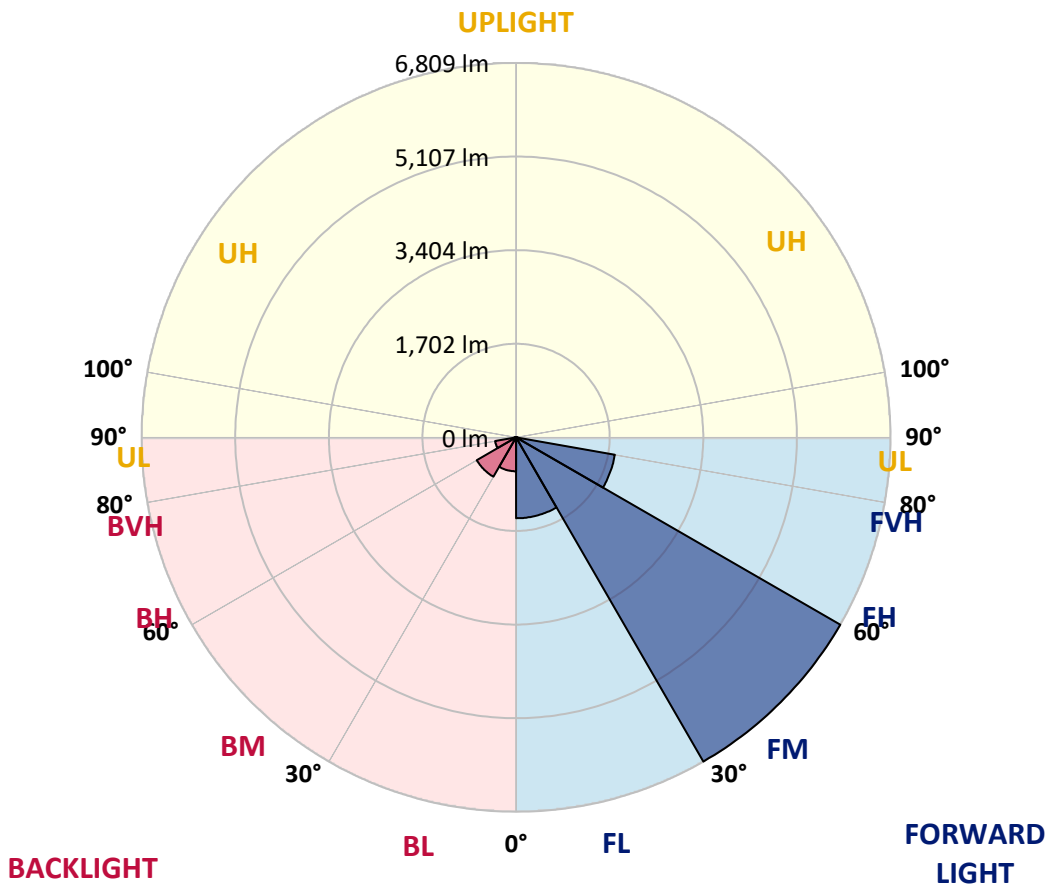
REPORT NUMBER: P632910

CATALOG NUMBER: GWS-SA2D-760-U-AFL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1471.8	12.3			
FM (30°-60°)	6808.9	56.8			
FH (60°-80°)	1824.5	15.2			G2/5000
FVH (80°-90°)	28.9	0.2			G1/100
BL (0°-30°)	617.6	5.1	B2/1000		
BM (30°-60°)	825.4	6.9	B1/1000		
BH (60°-80°)	387.2	3.2	B1/500		G1/500
BVH (80°-90°)	31.4	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: P632910
 CATALOG NUMBER: GWS-SA2D-760-U-AFL-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2944.7	2944.7	2944.7	2944.7	2944.7	2944.7	2944.7	2944.7	2944.7	2944.7	2944.7
2.5°	3339.9	3312.1	3331.5	3296.9	3282.5	3244.5	3195.5	3162.6	3111.9	3046.0	2988.6
5°	3671.8	3652.4	3656.6	3619.4	3586.5	3523.2	3422.7	3366.9	3280.8	3148.2	3024.9
7.5°	3661.7	3684.5	3697.1	3729.2	3738.5	3732.6	3642.2	3564.6	3470.0	3270.7	3084.9
10°	3282.5	3325.6	3364.4	3474.2	3607.6	3776.5	3797.6	3751.2	3655.8	3426.9	3156.7
12.5°	2869.5	2902.5	2937.1	3068.8	3273.2	3611.0	3839.9	3868.6	3830.6	3581.4	3237.7
15°	2666.9	2682.1	2715.0	2802.0	2965.0	3339.9	3766.4	3892.2	3960.6	3745.3	3328.9
17.5°	2658.4	2665.2	2681.2	2727.7	2840.8	3130.5	3633.8	3844.9	4062.8	3918.4	3435.3
20°	2833.2	2815.5	2805.4	2804.5	2860.3	3060.4	3505.4	3768.9	4110.9	4095.7	3549.4
22.5°	3075.6	3081.5	3059.6	3005.5	2998.8	3110.2	3441.3	3692.1	4125.3	4252.8	3654.9
25°	3419.3	3448.9	3383.8	3280.8	3230.1	3254.6	3480.9	3668.4	4123.6	4383.7	3720.8
27.5°	3820.4	3843.2	3777.4	3642.2	3537.5	3478.4	3599.2	3738.5	4138.0	4496.9	3760.5
30°	4277.3	4284.9	4194.5	4052.7	3899.8	3773.1	3795.9	3882.9	4211.4	4645.5	3806.9
32.5°	4835.5	4867.6	4730.8	4506.1	4292.5	4130.4	4060.3	4116.0	4370.2	4821.1	3878.7
35°	5544.0	5555.0	5381.0	5059.3	4757.0	4532.3	4385.4	4414.9	4611.7	5066.9	3986.8
37.5°	6212.0	6223.0	6038.0	5739.1	5306.7	4999.3	4786.5	4773.0	4920.8	5414.0	4163.3
40°	6635.9	6667.2	6584.4	6396.9	5984.0	5569.4	5280.5	5234.1	5326.1	5838.7	4409.0
42.5°	6863.9	6877.5	6875.8	6900.3	6654.5	6242.4	5837.9	5745.0	5806.6	6297.3	4657.3
45°	6865.6	6899.4	6989.8	7225.4	7236.4	6979.6	6542.2	6396.9	6340.4	6759.2	4916.6
47.5°	6558.2	6594.6	6842.8	7306.4	7648.5	7706.7	7385.8	7094.5	6856.3	7157.0	5129.4
50°	5627.6	5718.8	6191.7	7011.7	7729.5	8289.4	8190.6	7795.4	7314.9	7464.4	5262.8
52.5°	4819.5	4816.1	5107.4	6179.1	7390.9	8546.1	8969.2	8516.6	7768.4	7659.4	5296.6
55°	3529.1	3548.5	3846.6	4725.7	6487.3	8297.9	9397.4	9180.4	8288.6	7763.3	5283.1
57.5°	1830.0	1926.3	2232.0	3015.6	4929.2	7443.3	9283.4	9427.8	8817.2	7836.8	5300.8
60°	924.7	906.1	1015.9	1439.8	2856.0	5813.4	8580.8	9041.0	8912.7	7894.2	5311.8
62.5°	617.3	612.2	581.8	667.1	1167.1	3442.9	7314.9	7960.1	8249.7	7759.1	5171.6
65°	534.6	524.4	468.7	465.3	566.6	1428.0	5361.6	6257.6	6818.3	7158.7	4836.3
67.5°	481.4	466.2	409.6	381.7	407.0	627.4	3021.6	4197.1	5034.8	6054.1	4101.6
70°	429.8	422.2	365.7	325.1	322.6	382.5	1113.0	2166.1	3080.7	4130.4	2998.8
72.5°	385.1	371.6	323.4	284.6	265.2	271.1	483.0	834.3	1594.4	2576.5	1793.7
75°	333.6	323.4	281.2	242.4	218.7	198.5	294.7	385.9	727.1	1224.5	847.0
77.5°	257.6	250.8	222.1	192.5	179.0	147.8	179.0	243.2	336.1	516.0	440.8
80°	149.5	153.7	165.5	150.3	131.7	105.6	116.5	140.2	201.8	279.5	250.0
82.5°	75.2	80.2	107.2	87.0	78.5	61.6	69.2	82.8	105.6	154.5	98.0
85°	5.9	5.9	19.4	22.0	27.0	22.0	27.9	33.8	48.1	61.6	32.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	4.2	7.6	14.4	9.3
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: P632910
 CATALOG NUMBER: GWS-SA2D-760-U-AFL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2944.7	2944.7	2944.7	2944.7	2944.7	2944.7	2944.7	2944.7	2944.7	2944.7	2944.7
2.5°	2949.8	2906.7	2855.2	2813.0	2747.9	2713.3	2669.4	2615.4	2593.4	2583.3	2577.4
5°	2955.7	2879.7	2769.9	2668.6	2556.2	2467.6	2368.8	2265.7	2206.6	2192.3	2182.1
7.5°	2977.6	2871.2	2696.4	2529.2	2320.6	2127.2	1938.9	1752.3	1656.9	1620.6	1617.2
10°	3008.0	2867.9	2622.1	2344.3	1992.1	1686.4	1466.0	1319.9	1258.3	1238.0	1231.3
12.5°	3046.0	2865.3	2524.2	2087.6	1613.0	1324.1	1198.3	1174.7	1183.1	1181.4	1181.4
15°	3094.2	2868.7	2405.9	1797.1	1304.7	1149.3	1151.9	1179.7	1205.9	1210.1	1210.1
17.5°	3146.5	2865.3	2234.5	1505.7	1119.8	1108.0	1146.8	1185.7	1209.3	1212.7	1212.7
20°	3203.1	2849.3	2018.3	1231.3	1038.7	1081.8	1124.0	1154.4	1168.8	1172.1	1172.1
22.5°	3236.9	2803.7	1783.5	1042.1	987.2	1040.4	1068.3	1099.5	1101.2	1074.2	1073.3
25°	3231.8	2718.4	1515.8	920.5	932.3	978.8	1014.2	992.3	965.2	950.0	947.5
27.5°	3199.7	2590.0	1243.1	828.4	867.3	919.6	908.7	890.1	883.3	866.4	864.7
30°	3159.2	2432.1	998.2	756.7	799.7	847.9	831.0	829.3	822.5	803.9	803.9
32.5°	3120.4	2269.1	813.2	703.5	756.7	760.0	783.7	785.4	782.0	749.9	746.5
35°	3109.4	2106.1	688.3	661.2	714.4	712.7	746.5	745.7	687.4	642.6	641.8
37.5°	3142.3	1940.6	613.9	626.6	656.2	678.1	705.1	656.2	636.7	609.7	608.0
40°	3212.4	1787.8	575.9	606.3	619.0	651.1	608.9	612.2	607.2	586.9	584.4
42.5°	3305.3	1657.7	554.8	599.6	597.9	606.3	559.9	573.4	581.0	565.8	563.3
45°	3394.8	1544.6	543.8	574.2	582.7	533.7	524.4	537.1	548.9	543.0	540.5
47.5°	3460.7	1446.6	537.9	539.6	563.3	509.2	494.0	499.9	514.3	516.8	516.0
50°	3480.9	1363.0	531.2	510.9	505.8	484.7	472.9	471.2	488.1	499.9	501.6
52.5°	3442.1	1288.7	513.4	485.6	461.1	464.5	460.2	451.8	468.7	484.7	486.4
55°	3384.7	1246.5	485.6	461.1	432.4	445.9	447.6	440.0	451.0	461.9	461.9
57.5°	3388.9	1270.9	458.6	438.3	407.0	424.8	434.1	430.7	430.7	439.1	440.0
60°	3416.8	1306.4	440.8	409.6	381.7	400.3	421.4	418.0	410.4	421.4	421.4
62.5°	3336.5	1259.1	429.0	381.7	354.7	376.6	402.0	400.3	391.8	409.6	411.3
65°	3100.1	1132.4	415.5	347.1	327.7	353.0	374.9	380.9	373.3	396.9	401.1
67.5°	2598.5	952.6	389.3	314.1	300.6	324.3	345.4	353.8	347.9	375.8	379.2
70°	1937.2	771.0	347.9	277.8	267.7	288.8	308.2	311.6	312.5	345.4	348.8
72.5°	1235.5	599.6	293.0	237.3	229.7	245.7	260.1	273.6	279.5	310.8	309.9
75°	689.1	445.9	235.6	201.0	187.5	200.1	217.0	233.1	250.0	295.6	300.6
77.5°	396.9	313.3	186.6	161.3	145.3	158.8	173.1	195.9	246.6	286.3	281.2
80°	223.8	203.5	141.0	118.2	108.1	118.2	129.2	172.3	194.2	211.1	213.7
82.5°	104.7	114.0	96.3	72.6	72.6	79.4	89.5	133.4	146.9	119.9	104.7
85°	38.0	51.5	47.3	37.2	32.9	32.1	55.7	76.0	47.3	42.2	36.3
87.5°	10.1	14.4	13.5	9.3	5.1	4.2	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)