

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: P639352

Luminaire Tested: GWS-SA5B-760-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639352
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-760-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17603.6 lumens
Efficiency: N/A
Efficacy: 152.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 115.7
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

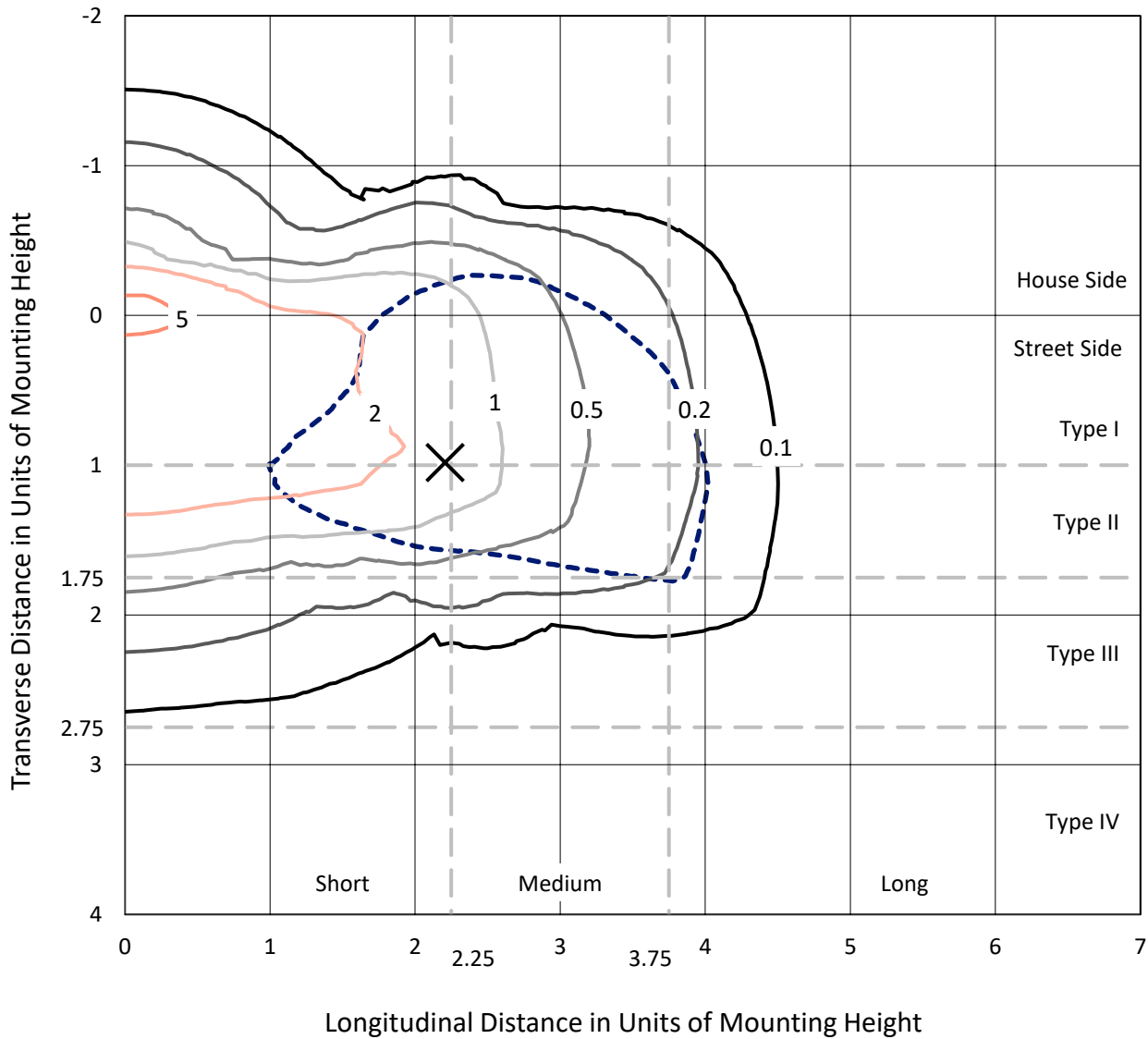


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Iso-Footcandle Lines of Horizontal Illumination

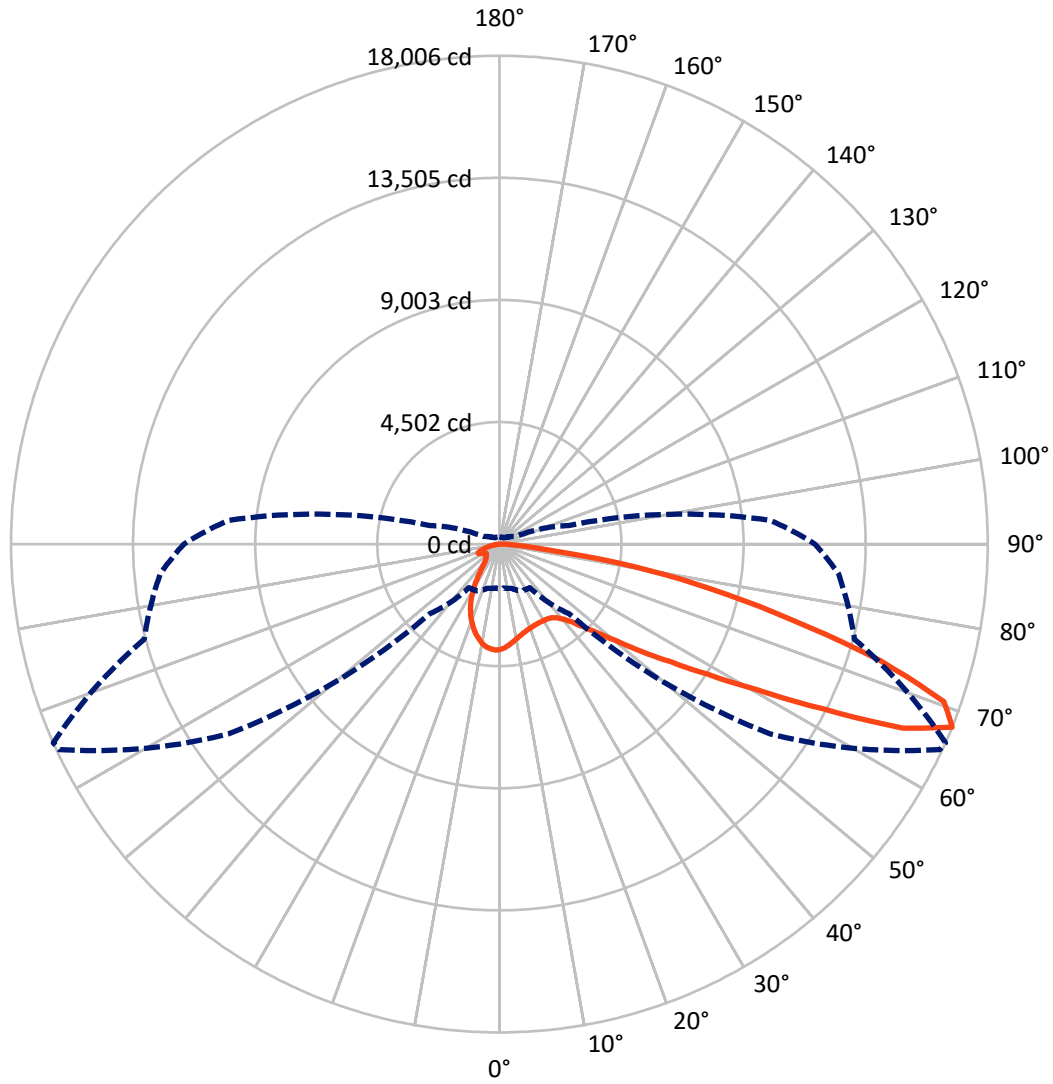
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3572.2	0.0	3572.2
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	14031.4	0.0	14031.4
	% Fixture	79.7	0.0	79.7
Total	Lumens	17603.6	0.0	17603.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.4	1.9
10°-20°	839.0	4.8
20°-30°	1153.2	6.6
30°-40°	1576.7	9.0
40°-50°	2389.0	13.6
50°-60°	3713.8	21.1
60°-70°	4521.5	25.7
70°-80°	2754.3	15.6
80°-90°	314.6	1.8
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°	17603.6	100.0
0°-180°	17603.6	100.0

Coefficient of Utilization



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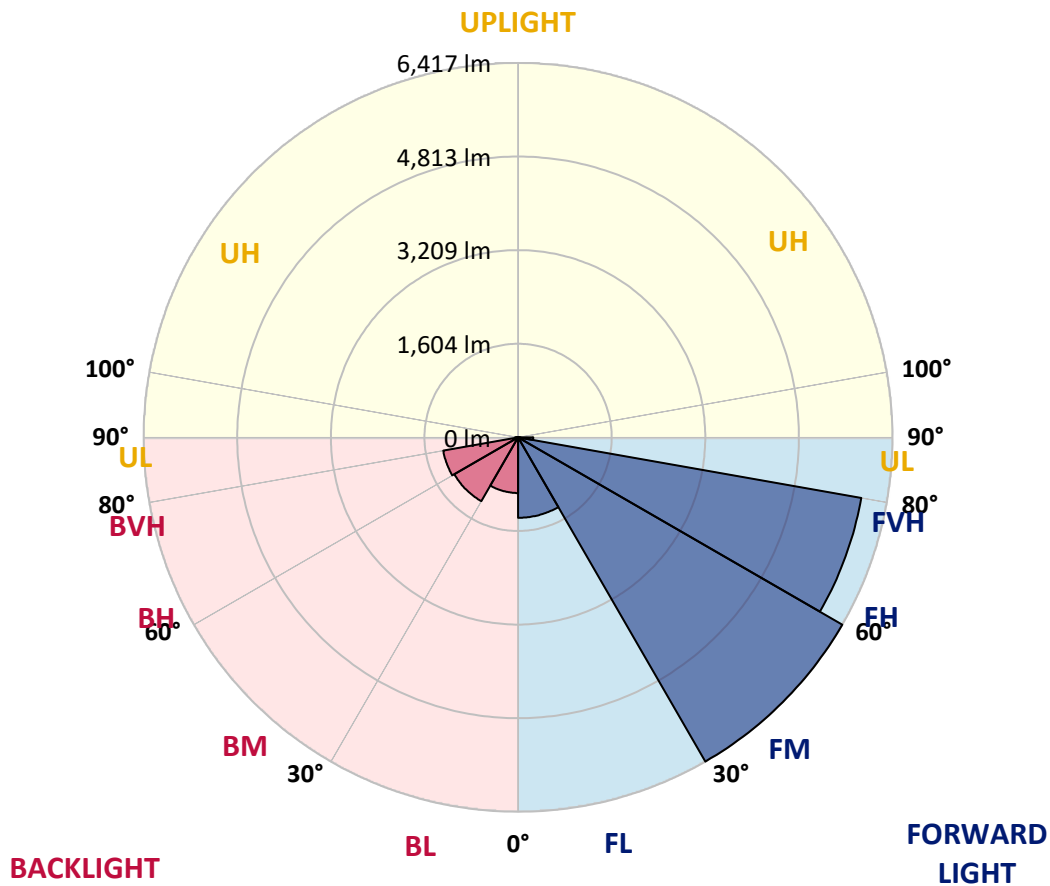
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1379.3	7.8			
FM (30°-60°)	6417.2	36.5			
FH (60°-80°)	5973.3	33.9			G3/7500
FVH (80°-90°)	261.6	1.5			G3/500
BL (0°-30°)	954.3	5.4	B2/1000		
BM (30°-60°)	1262.4	7.2	B2/2500		
BH (60°-80°)	1302.5	7.4	B3/2500		G3/2500
BVH (80°-90°)	53.0	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3889.9	3889.9	3889.9	3889.9	3889.9	3889.9	3889.9	3889.9	3889.9	3889.9	3889.9
2.5°	3643.3	3656.2	3648.5	3697.3	3699.8	3761.5	3796.1	3825.7	3828.3	3866.8	3892.5
5°	3394.2	3401.9	3401.9	3448.1	3478.9	3561.1	3640.8	3725.5	3731.9	3824.4	3895.0
7.5°	3192.6	3200.3	3195.1	3256.8	3296.6	3387.8	3489.2	3618.9	3631.8	3780.7	3904.0
10°	3034.6	3032.0	3044.9	3101.4	3152.8	3261.9	3374.9	3522.6	3541.9	3730.7	3914.3
12.5°	2926.7	2929.3	2937.0	2996.1	3051.3	3159.2	3276.0	3436.6	3457.1	3672.9	3909.2
15°	2875.4	2870.2	2876.6	2930.6	2983.2	3078.3	3199.0	3364.7	3385.2	3621.5	3910.4
17.5°	2863.8	2860.0	2858.7	2897.2	2937.0	3025.6	3141.2	3309.4	3331.3	3588.1	3918.1
20°	2899.8	2894.6	2880.5	2897.2	2913.9	2988.4	3100.1	3269.6	3294.0	3566.3	3933.6
22.5°	2998.6	2989.7	2967.8	2947.3	2925.4	2970.4	3074.4	3240.1	3264.5	3552.1	3949.0
25°	3148.9	3141.2	3118.1	3071.8	2992.2	2984.5	3069.3	3227.2	3251.6	3541.9	3955.4
27.5°	3355.7	3344.1	3321.0	3254.2	3124.5	3037.2	3088.5	3226.0	3249.1	3530.3	3949.0
30°	3600.9	3593.2	3580.4	3499.5	3326.1	3148.9	3132.2	3236.2	3254.2	3523.9	3936.1
32.5°	3850.1	3842.4	3852.7	3814.1	3600.9	3333.8	3227.2	3264.5	3277.3	3522.6	3924.6
35°	4069.7	4078.7	4153.2	4159.6	3950.3	3584.3	3377.5	3330.0	3332.5	3548.3	3929.7
37.5°	4299.6	4334.2	4431.8	4515.3	4340.7	3915.6	3600.9	3453.3	3450.7	3613.8	3961.8
40°	4603.9	4619.3	4743.9	4900.6	4791.4	4370.2	3918.1	3654.9	3636.9	3747.3	4047.9
42.5°	4900.6	4937.8	5136.9	5316.7	5280.7	4882.6	4317.5	3956.7	3924.6	3983.6	4225.1
45°	5278.1	5314.1	5537.5	5768.7	5834.2	5461.8	4828.7	4385.6	4353.5	4339.4	4550.0
47.5°	5655.7	5692.9	5893.3	6227.2	6457.0	6186.1	5493.9	4951.9	4899.3	4844.1	5040.6
50°	5910.0	5953.6	6145.0	6545.7	7085.0	7090.2	6282.4	5694.2	5627.4	5540.1	5731.5
52.5°	5901.0	5929.2	6111.6	6573.9	7537.1	8129.1	7338.0	6639.4	6585.5	6395.4	6562.4
55°	5437.4	5479.8	5663.4	6241.3	7585.9	9114.1	8889.4	7754.1	7657.8	7317.5	7501.1
57.5°	4506.3	4542.3	4727.2	5439.9	7153.1	9618.8	10859.3	9174.5	9042.2	8321.7	8533.6
60°	3401.9	3358.2	3445.6	4069.7	6118.0	9631.6	12598.2	11100.8	10879.9	9395.3	9572.6
62.5°	2553.0	2509.4	2528.6	2704.6	4148.0	8853.4	13589.6	13736.0	13371.3	10607.6	10573.0
65°	2017.5	1993.1	2048.3	2169.0	2418.2	6742.1	13597.3	16585.7	16355.8	12012.6	11599.1
67.5°	1643.8	1628.4	1684.9	1908.3	1961.0	3622.8	12192.4	17916.1	18006.0	13551.1	12550.7
70°	1324.0	1300.9	1389.5	1683.6	1823.6	2192.2	8734.0	17238.1	17383.2	14468.0	12282.3
72.5°	914.4	915.6	960.6	1363.8	1760.7	1892.9	4940.4	14353.7	14668.3	13637.1	10797.7
75°	616.4	621.6	634.4	900.2	1622.0	1836.4	2632.6	10867.1	11089.2	11271.6	8925.3
77.5°	372.4	375.0	404.5	544.5	1118.6	1714.4	1783.8	7877.4	8052.0	7430.5	5532.4
80°	215.7	224.7	251.7	364.7	755.1	1288.1	1380.5	4829.9	5027.7	3303.0	1758.1
82.5°	95.0	101.5	137.4	211.9	440.5	1095.4	1077.5	1908.3	1880.1	920.8	610.0
85°	16.7	20.5	29.5	66.8	161.8	577.9	836.0	842.4	792.4	349.3	253.0
87.5°	0.0	0.0	0.0	0.0	0.0	3.9	125.9	226.0	224.7	98.9	87.3
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°	3889.9	3889.9	3889.9	3889.9	3889.9	3889.9	3889.9	3889.9	3889.9	3889.9	3889.9
2.5°	3909.2	3874.5	3905.3	3909.2	3902.7	3897.6	3859.1	3825.7	3821.8	3785.9	3785.9
5°	3923.3	3891.2	3906.6	3877.1	3830.8	3783.3	3701.1	3644.6	3618.9	3572.7	3572.7
7.5°	3942.5	3909.2	3891.2	3818.0	3710.1	3606.1	3473.8	3363.4	3318.4	3252.9	3250.4
10°	3960.5	3918.1	3856.5	3714.0	3541.9	3376.2	3183.6	3026.9	2920.3	2842.0	2842.0
12.5°	3959.2	3904.0	3782.0	3571.4	3333.8	3093.7	2836.8	2600.5	2459.3	2337.3	2329.6
15°	3956.7	3880.9	3687.0	3405.7	3091.1	2758.5	2409.2	2101.0	1891.7	1772.2	1761.9
17.5°	3954.1	3851.4	3580.4	3217.0	2795.7	2342.4	1881.4	1547.5	1372.8	1299.6	1302.2
20°	3954.1	3818.0	3466.1	2999.9	2455.4	1844.1	1380.5	1137.8	1094.2	1098.0	1101.9
22.5°	3942.5	3776.9	3339.0	2763.6	2076.6	1356.1	1018.4	936.2	959.3	995.3	1000.4
25°	3915.6	3708.8	3191.3	2501.7	1625.8	987.6	830.9	815.5	857.9	902.8	915.6
27.5°	3873.2	3630.5	3025.6	2194.7	1196.9	793.6	730.7	729.4	762.8	796.2	807.8
30°	3828.3	3543.2	2851.0	1853.1	866.8	690.9	666.5	666.5	683.2	703.8	701.2
32.5°	3775.6	3454.5	2663.5	1497.4	706.3	633.1	625.4	621.6	624.1	631.8	631.8
35°	3730.7	3376.2	2470.8	1121.1	633.1	601.0	593.3	584.3	580.5	575.3	577.9
37.5°	3714.0	3314.6	2271.8	845.0	597.2	577.9	565.1	552.2	543.2	540.7	539.4
40°	3740.9	3288.9	2072.7	696.0	571.5	553.5	539.4	522.7	515.0	515.0	515.0
42.5°	3846.2	3308.1	1869.8	629.3	553.5	533.0	512.4	497.0	494.4	497.0	498.3
45°	4038.9	3382.6	1659.2	595.9	538.1	512.4	488.0	476.4	476.4	479.0	479.0
47.5°	4383.0	3577.8	1451.2	575.3	522.7	495.7	470.0	458.5	457.2	459.7	459.7
50°	4978.9	3929.7	1263.7	561.2	511.1	482.9	457.2	441.8	437.9	436.6	436.6
52.5°	5730.2	4539.7	1144.2	550.9	497.0	468.7	443.1	422.5	414.8	410.9	410.9
55°	6638.1	5352.6	1144.2	543.2	479.0	452.0	422.5	402.0	390.4	385.3	385.3
57.5°	7666.8	6299.1	1342.0	536.8	464.9	432.8	400.7	380.1	367.3	359.6	359.6
60°	8713.4	7299.5	1831.3	527.8	452.0	408.4	376.3	357.0	340.3	331.3	330.0
62.5°	9798.6	8401.4	2476.0	533.0	443.1	385.3	350.6	328.8	314.6	305.6	304.4
65°	10792.6	9450.6	3039.7	572.8	444.3	364.7	321.1	301.8	290.2	278.7	277.4
67.5°	11636.3	10029.7	2644.2	653.7	471.3	340.3	291.5	272.3	262.0	254.3	253.0
70°	11045.6	9146.2	1500.0	703.8	508.6	314.6	258.1	245.3	235.0	229.9	228.6
72.5°	9445.4	7743.8	1003.0	621.6	463.6	281.2	227.3	217.0	209.3	202.9	201.6
75°	7651.4	6141.1	766.7	509.8	360.9	228.6	195.2	187.5	179.8	173.4	172.1
77.5°	4526.9	3548.3	565.1	403.2	254.3	178.5	161.8	155.4	147.7	142.5	141.3
80°	1444.7	1232.8	358.3	277.4	168.2	137.4	124.6	119.4	111.7	105.3	104.0
82.5°	550.9	476.4	190.1	141.3	111.7	93.7	83.5	78.3	73.2	66.8	65.5
85°	244.0	228.6	105.3	75.8	60.4	46.2	41.1	38.5	32.1	27.0	25.7
87.5°	86.0	86.0	44.9	21.8	12.8	6.4	3.9	1.3	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)