

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: P633361

Luminaire Tested: GWS-SA2E-750-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633361
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-750-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14624.2 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

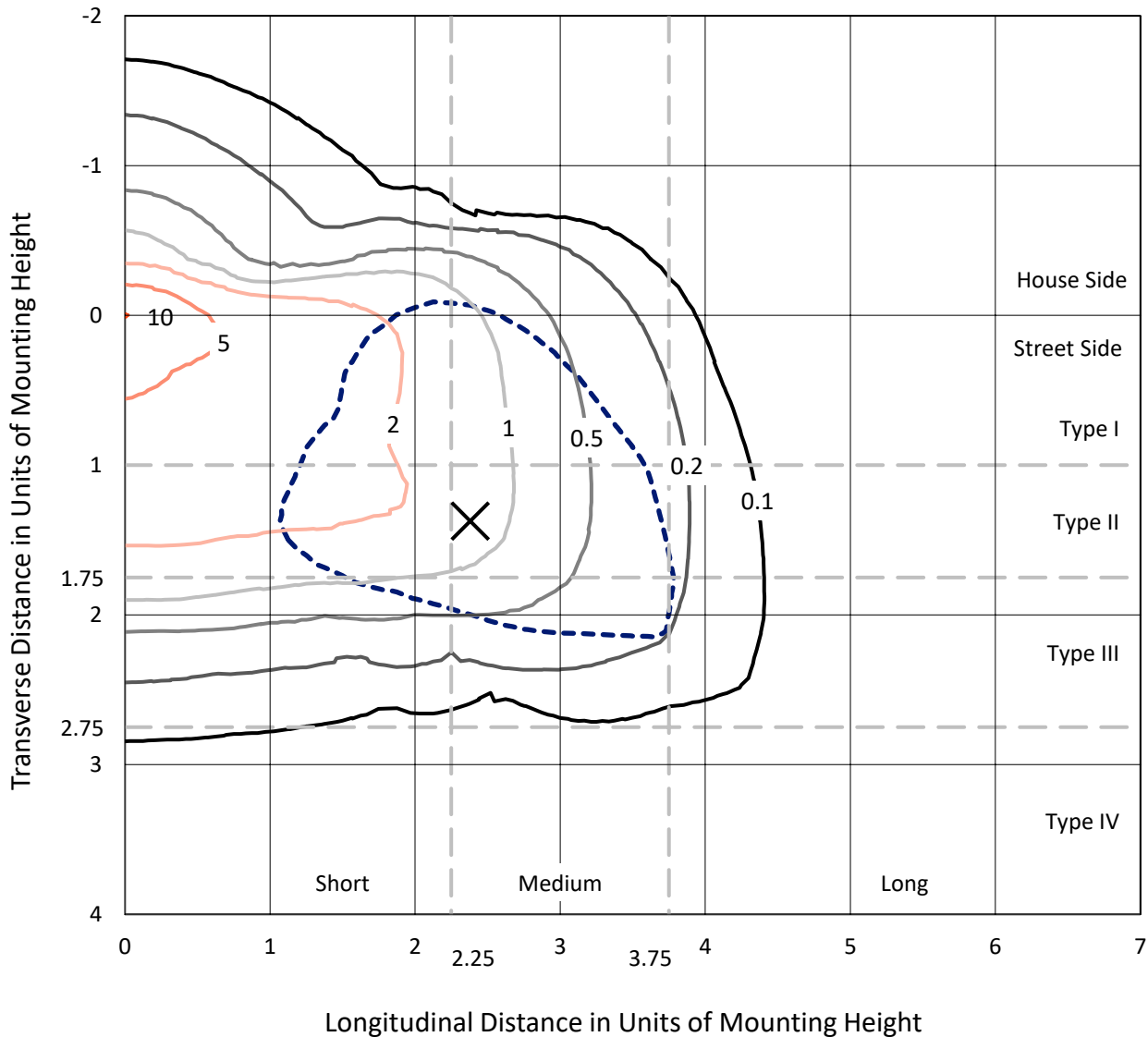
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

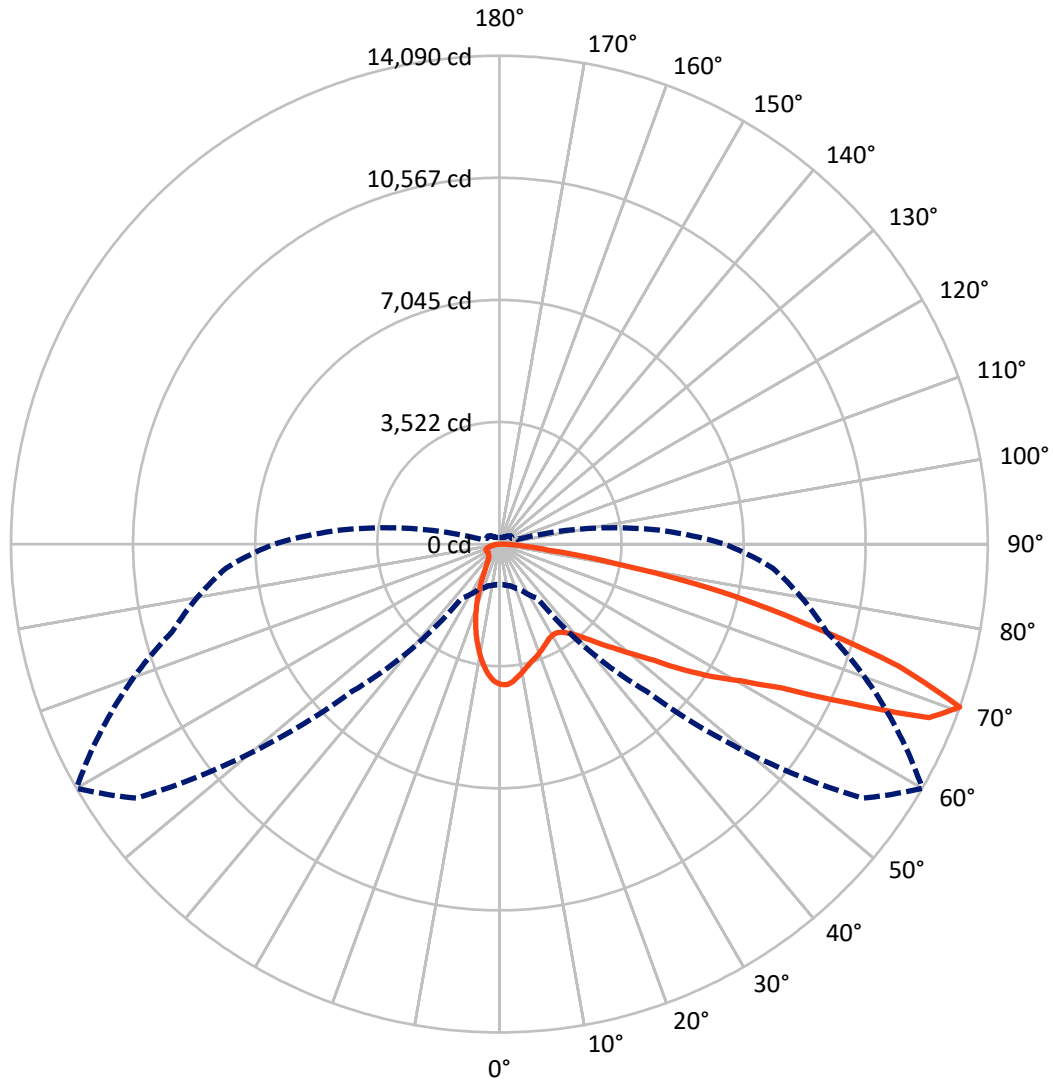
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2501.1	0.0	2501.1
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	12123.1	0.0	12123.1
	% Fixture	82.9	0.0	82.9
Total	Lumens	14624.2	0.0	14624.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.8	2.4
10°-20°	781.4	5.3
20°-30°	1000.8	6.8
30°-40°	1315.3	9.0
40°-50°	1908.2	13.0
50°-60°	2977.3	20.4
60°-70°	3897.8	26.7
70°-80°	2155.4	14.7
80°-90°	239.2	1.6
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°	14624.2	100.0
0°-180°	14624.2	100.0

Coefficient of Utilization



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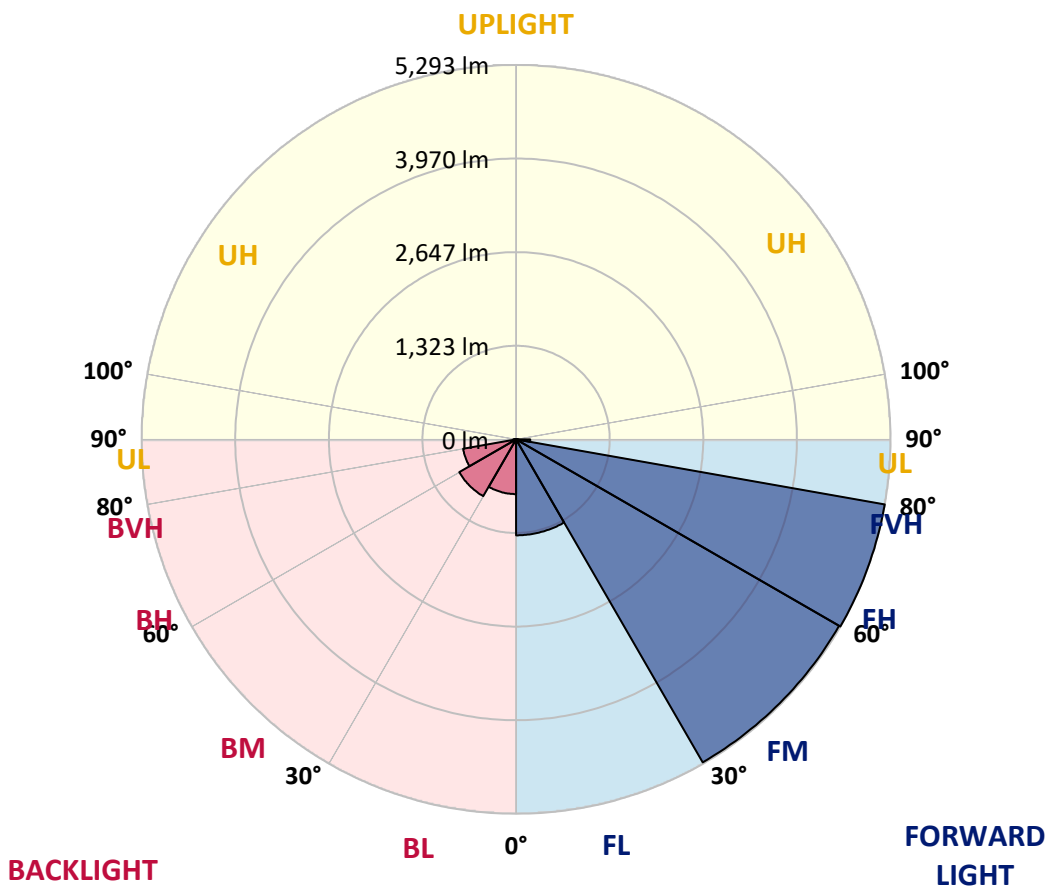
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1357.2	9.3			
FM (30°-60°)	5273.4	36.1			
FH (60°-80°)	5293.1	36.2			G3/7500
FVH (80°-90°)	199.3	1.4			G2/225
BL (0°-30°)	773.8	5.3	B2/1000		
BM (30°-60°)	927.3	6.3	B1/1000		
BH (60°-80°)	760.1	5.2	B2/1000		G2/1000
BVH (80°-90°)	39.9	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-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4046.7	4046.7	4046.7	4046.7	4046.7	4046.7	4046.7	4046.7	4046.7	4046.7	4046.7
2.5°	3990.0	3994.3	4006.0	4023.2	4040.3	4048.8	4070.2	4063.8	4059.5	4051.0	4040.3
5°	3813.4	3822.0	3832.7	3865.9	3903.3	3933.3	3981.4	3986.8	3988.9	3993.2	3976.1
7.5°	3588.7	3590.9	3616.6	3660.4	3709.7	3761.0	3841.3	3863.7	3883.0	3904.4	3890.5
10°	3340.5	3345.9	3365.1	3428.3	3512.8	3588.7	3696.8	3734.3	3774.9	3822.0	3802.7
12.5°	3137.2	3138.3	3169.3	3236.7	3328.7	3431.5	3566.3	3611.2	3664.7	3738.5	3721.4
15°	2975.6	2975.6	3004.5	3062.3	3168.2	3289.2	3449.7	3507.4	3580.2	3679.7	3649.7
17.5°	2847.2	2848.3	2866.5	2927.5	3021.7	3155.4	3345.9	3424.0	3504.2	3635.8	3590.9
20°	2779.8	2774.5	2777.7	2815.1	2895.4	3024.9	3242.1	3333.0	3441.1	3605.9	3537.4
22.5°	2776.6	2767.0	2753.1	2756.3	2803.4	2910.4	3130.8	3241.0	3376.9	3581.3	3482.8
25°	2831.2	2820.5	2795.9	2768.1	2763.8	2828.0	3025.9	3151.1	3310.6	3570.6	3430.4
27.5°	2923.2	2915.7	2883.6	2841.9	2798.0	2795.9	2946.8	3077.3	3262.4	3581.3	3392.9
30°	3045.2	3032.4	3012.0	2958.5	2892.2	2823.7	2915.7	3037.7	3230.3	3615.5	3376.9
32.5°	3183.2	3175.7	3156.5	3103.0	3032.4	2923.2	2940.3	3046.3	3230.3	3675.4	3380.1
35°	3329.8	3328.7	3328.7	3293.4	3215.3	3079.4	3037.7	3119.0	3279.5	3771.7	3414.3
37.5°	3472.1	3471.1	3505.3	3518.1	3429.3	3282.7	3203.6	3264.5	3387.6	3914.0	3498.9
40°	3587.7	3592.0	3666.9	3731.1	3681.8	3545.9	3434.7	3465.7	3563.1	4116.3	3646.5
42.5°	3704.3	3716.1	3828.4	3941.8	3961.1	3843.4	3731.1	3749.2	3814.5	4383.8	3866.9
45°	3831.6	3837.0	3994.3	4152.6	4245.7	4176.2	4084.2	4108.8	4123.7	4714.4	4195.4
47.5°	3954.7	3968.6	4171.9	4389.1	4565.7	4559.2	4507.9	4500.4	4503.6	5116.7	4583.8
50°	4122.7	4143.0	4381.6	4643.8	4902.7	5021.5	5036.4	4979.7	4956.2	5564.0	5067.5
52.5°	4441.5	4441.5	4655.5	4913.4	5261.1	5555.4	5656.0	5562.9	5488.0	6036.9	5581.1
55°	4840.6	4857.8	5027.9	5236.5	5677.4	6117.1	6457.4	6354.7	6142.8	6551.6	6119.3
57.5°	5018.3	5039.7	5309.3	5633.5	6222.0	6755.9	7227.8	7191.4	6882.2	7086.5	6677.8
60°	4697.3	4742.2	5113.5	5657.0	6715.3	7786.3	8119.1	8013.2	7571.3	7648.3	7283.4
62.5°	3918.3	3967.5	4379.5	5138.1	6646.8	8900.2	9524.0	9133.4	8431.5	8357.7	8090.2
65°	2337.9	2335.8	2831.2	3837.0	5802.6	9209.4	11747.4	11018.8	9760.5	9331.4	8920.5
67.5°	1486.2	1483.0	1586.8	2033.0	3861.6	8451.9	13176.9	13366.3	11565.5	10047.2	8989.0
70°	1172.7	1171.6	1246.5	1449.8	1909.9	6014.4	12778.9	14089.6	12655.9	9774.4	7914.7
72.5°	854.9	857.1	972.6	1214.4	1473.4	3019.5	10347.9	12055.6	11640.4	8628.4	6425.3
75°	614.2	617.4	686.9	929.8	1358.9	1651.0	6881.1	9065.0	8856.3	6916.4	4420.1
77.5°	390.5	394.8	455.8	651.6	1097.8	1333.2	4171.9	6399.6	5892.4	3896.9	1571.8
80°	238.6	252.5	303.9	485.8	877.4	1000.4	2085.4	3371.5	2951.0	1068.9	528.6
82.5°	123.0	133.7	183.0	300.7	604.5	878.5	1180.2	1416.7	913.8	447.3	281.4
85°	38.5	44.9	64.2	122.0	287.8	544.6	781.1	704.1	419.4	210.8	130.5
87.5°	9.6	9.6	10.7	10.7	11.8	24.6	150.9	159.4	111.3	66.3	53.5
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°	4046.7	4046.7	4046.7	4046.7	4046.7	4046.7	4046.7	4046.7	4046.7	4046.7	4046.7
2.5°	4018.9	3993.2	3982.5	3981.4	3954.7	3916.2	3890.5	3872.3	3861.6	3859.5	3859.5
5°	3947.2	3914.0	3870.2	3837.0	3765.3	3692.5	3631.5	3597.3	3557.7	3552.4	3551.3
7.5°	3852.0	3803.8	3720.4	3627.3	3502.1	3381.2	3278.5	3208.9	3139.4	3126.5	3122.2
10°	3749.2	3684.0	3541.7	3378.0	3190.7	3009.9	2852.6	2729.5	2648.2	2590.4	2579.7
12.5°	3647.6	3560.9	3352.3	3108.3	2851.5	2604.4	2367.9	2166.7	2021.2	1936.7	1921.7
15°	3552.4	3431.5	3145.8	2834.4	2500.6	2162.5	1827.5	1566.5	1362.1	1289.3	1272.2
17.5°	3465.7	3314.8	2945.7	2550.9	2134.6	1692.7	1311.8	1079.6	959.8	923.4	914.8
20°	3379.0	3195.0	2742.4	2252.3	1746.2	1250.8	958.7	849.6	804.6	790.7	786.4
22.5°	3285.9	3063.4	2520.9	1958.1	1353.5	936.2	784.3	736.2	722.2	723.3	722.2
25°	3192.9	2929.6	2288.7	1638.2	1007.9	759.7	684.8	666.6	669.8	679.4	681.6
27.5°	3115.8	2810.9	2060.8	1287.2	787.5	653.8	618.5	617.4	629.2	642.0	644.1
30°	3060.2	2704.9	1836.1	989.7	648.4	581.0	567.1	573.5	587.4	597.1	600.3
32.5°	3020.6	2614.0	1596.4	777.9	568.2	529.6	523.2	529.6	538.2	547.8	550.0
35°	3006.7	2547.6	1361.0	634.5	513.6	492.2	487.9	491.1	495.4	500.8	502.9
37.5°	3037.7	2514.5	1114.9	552.1	480.4	467.6	461.2	459.0	460.1	462.2	463.3
40°	3129.7	2529.5	913.8	504.0	459.0	447.3	436.6	432.3	431.2	433.3	432.3
42.5°	3288.1	2592.6	768.3	476.1	441.9	424.8	413.0	408.7	408.7	414.1	414.1
45°	3520.3	2716.7	663.4	455.8	426.9	405.5	392.7	390.5	394.8	403.4	404.5
47.5°	3860.5	2898.6	600.3	440.8	413.0	388.4	375.6	374.5	383.1	397.0	398.0
50°	4263.9	3160.8	566.0	430.1	403.4	374.5	361.7	362.7	372.4	387.3	390.5
52.5°	4749.7	3518.1	568.2	425.9	398.0	365.9	353.1	351.0	360.6	375.6	378.8
55°	5251.5	3952.5	609.9	426.9	390.5	361.7	344.5	337.0	345.6	356.3	357.4
57.5°	5803.6	4442.6	713.7	424.8	380.9	357.4	337.0	319.9	325.3	331.7	334.9
60°	6426.4	5019.3	937.3	429.1	376.6	347.7	322.1	299.6	298.5	302.8	303.9
62.5°	7258.8	5803.6	1188.8	436.6	386.3	336.0	299.6	276.1	271.8	273.9	275.0
65°	7895.5	6178.1	1109.6	430.1	406.6	327.4	278.2	253.6	245.0	242.9	242.9
67.5°	7636.5	5682.7	772.5	413.0	416.2	328.5	261.1	230.0	219.3	214.0	212.9
70°	6498.1	4615.9	537.1	395.9	405.5	326.3	242.9	210.8	196.9	189.4	188.3
72.5°	5133.8	3524.5	434.4	361.7	368.1	294.2	216.1	189.4	177.6	168.0	168.0
75°	3304.1	2150.7	362.7	322.1	300.7	229.0	187.2	169.1	157.3	147.7	147.7
77.5°	1111.7	798.2	281.4	272.8	224.7	172.3	157.3	145.5	135.9	127.3	126.3
80°	451.5	378.8	206.5	206.5	157.3	131.6	123.0	117.7	111.3	100.6	100.6
82.5°	262.1	230.0	144.4	125.2	104.9	90.9	85.6	80.2	80.2	72.8	72.8
85°	126.3	127.3	86.7	77.0	59.9	52.4	50.3	47.1	46.0	41.7	40.7
87.5°	68.5	69.5	43.9	34.2	23.5	20.3	17.1	16.0	15.0	13.9	13.9
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)