

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: P633427

Luminaire Tested: GWS-SA2E-760-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-760-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14693.9 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B3 - U0 - G3

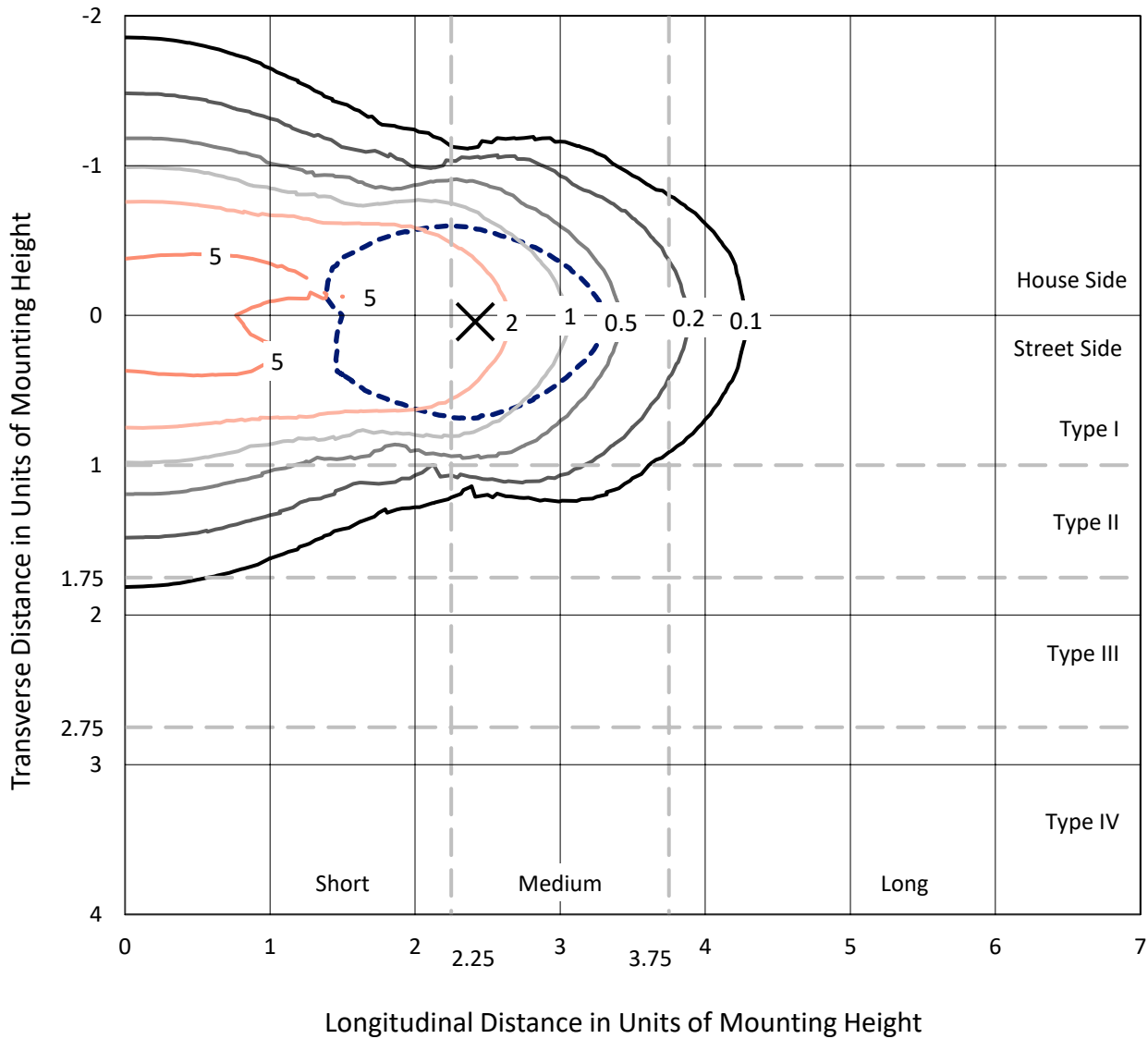
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

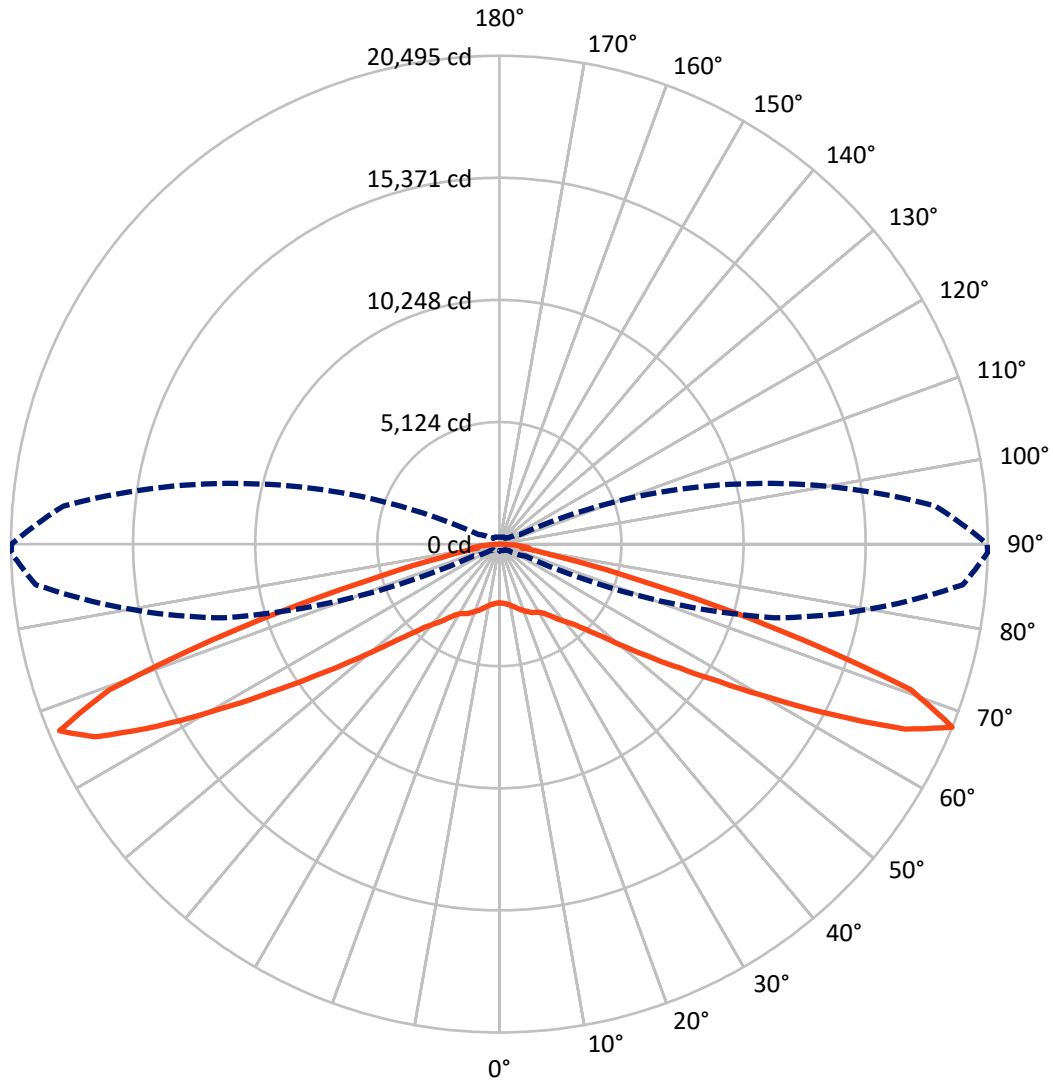
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.7 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7282.6	0.0	7282.6
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	7411.3	0.0	7411.3
	% Fixture	50.4	0.0	50.4
Total	Lumens	14693.9	0.0	14693.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.4	1.7
10°-20°	805.5	5.5
20°-30°	1361.7	9.3
30°-40°	1868.8	12.7
40°-50°	2383.1	16.2
50°-60°	2989.9	20.3
60°-70°	3606.1	24.5
70°-80°	1304.6	8.9
80°-90°	126.9	0.9
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°	14693.9	100.0
0°-180°	14693.9	100.0

Coefficient of Utilization



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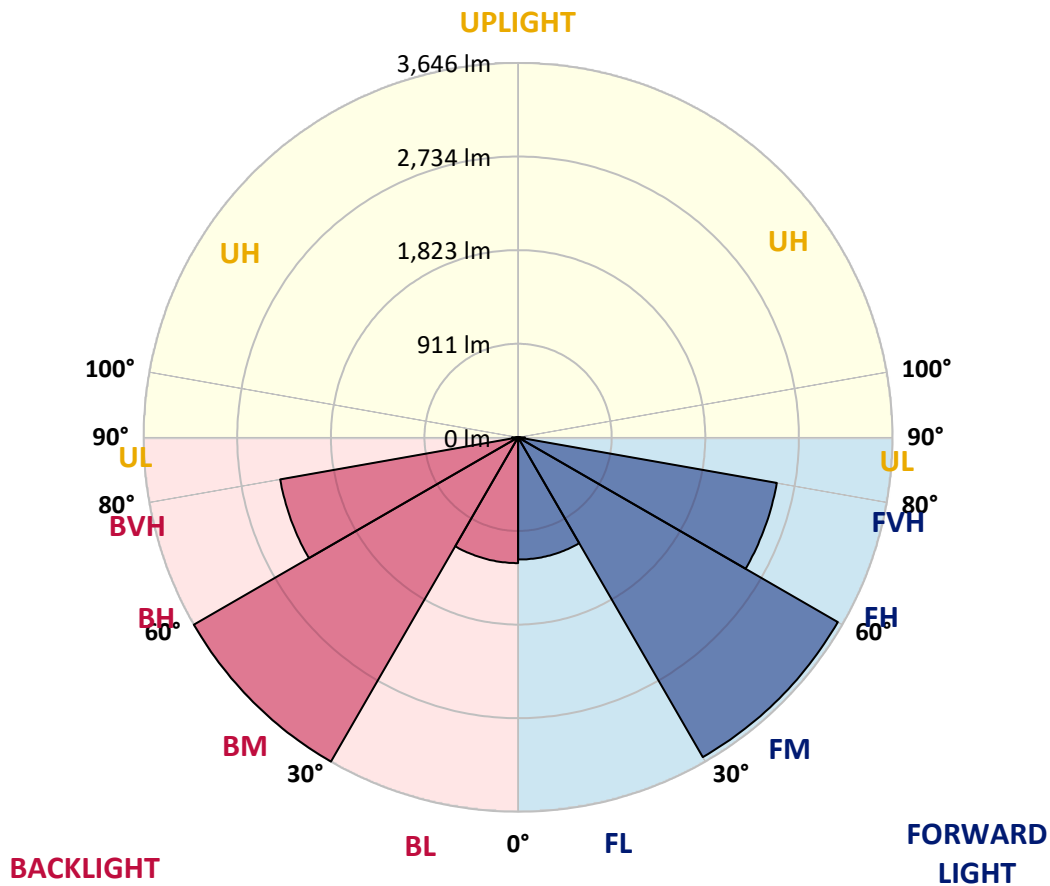
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1190.1	8.1			
FM (30°-60°)	3595.9	24.5			
FH (60°-80°)	2558.4	17.4			G2/5000
FVH (80°-90°)	66.9	0.5			G1/100
BL (0°-30°)	1224.5	8.3	B3/2500		
BM (30°-60°)	3645.9	24.8	B3/5000		
BH (60°-80°)	2352.3	16.0	B3/2500		G3/2500
BVH (80°-90°)	59.9	0.4			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 I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3
2.5°	2473.6	2471.5	2466.3	2482.1	2478.9	2480.0	2486.3	2482.1	2474.7	2462.0	2480.0
5°	2543.3	2542.2	2530.6	2540.1	2529.6	2522.2	2521.1	2510.6	2502.1	2488.4	2507.4
7.5°	2610.8	2609.8	2600.3	2617.2	2608.7	2600.3	2590.8	2569.7	2549.6	2529.6	2550.7
10°	2662.5	2661.5	2659.4	2683.6	2685.8	2688.9	2684.7	2648.8	2614.0	2589.7	2610.8
12.5°	2692.1	2695.3	2700.5	2744.9	2767.0	2788.1	2793.4	2763.8	2705.8	2671.0	2696.3
15°	2672.0	2678.4	2704.8	2785.0	2846.2	2893.7	2913.7	2889.4	2814.5	2756.5	2785.0
17.5°	2576.0	2581.3	2633.0	2755.4	2890.5	3000.2	3033.0	3018.2	2934.8	2864.1	2891.5
20°	2443.0	2454.6	2510.6	2681.5	2883.1	3074.1	3161.7	3156.4	3065.7	2957.0	2989.7
22.5°	2322.7	2336.4	2395.5	2584.4	2833.5	3093.1	3291.5	3305.2	3184.9	3049.8	3076.2
25°	2187.7	2200.3	2276.3	2469.4	2748.0	3078.3	3402.3	3464.6	3320.0	3156.4	3180.7
27.5°	2049.4	2058.9	2133.8	2339.6	2636.2	3050.9	3489.9	3639.8	3453.0	3230.3	3247.2
30°	1928.0	1940.7	2009.3	2209.8	2513.7	2996.0	3561.7	3826.5	3606.0	3313.7	3327.4
32.5°	1810.9	1821.5	1896.4	2082.1	2383.9	2911.6	3626.0	4046.0	3832.9	3468.8	3468.8
35°	1663.2	1682.2	1766.6	1959.7	2261.5	2799.7	3672.5	4301.4	4143.1	3697.8	3698.9
37.5°	1527.0	1537.6	1626.2	1821.5	2132.8	2673.1	3676.7	4566.3	4535.7	3989.1	3991.2
40°	1371.9	1385.6	1480.6	1673.7	1985.0	2540.1	3636.6	4813.3	4947.3	4288.8	4277.2
42.5°	1214.7	1234.7	1325.5	1514.4	1825.7	2377.6	3530.0	5048.6	5469.7	4636.0	4607.5
45°	1062.7	1075.4	1166.1	1344.5	1643.1	2183.4	3359.0	5274.4	6090.2	5163.6	5122.5
47.5°	891.7	897.0	990.9	1161.9	1454.2	1967.1	3114.2	5476.0	6771.9	5862.2	5791.5
50°	739.8	747.2	821.0	967.7	1223.1	1710.7	2809.2	5594.2	7640.4	6815.2	6692.8
52.5°	598.4	605.7	664.8	782.0	1011.0	1418.3	2431.4	5566.7	8521.6	7998.2	7819.8
55°	483.3	488.6	528.7	620.5	795.7	1128.1	1985.0	5320.9	9499.9	9543.1	9159.0
57.5°	408.4	410.5	438.0	493.9	621.6	869.6	1532.3	4740.4	10525.6	11514.5	10883.4
60°	365.1	366.2	378.9	413.7	490.7	663.8	1122.8	3816.0	11588.3	13980.7	13115.4
62.5°	337.7	337.7	348.3	368.3	407.3	510.8	825.3	2740.6	12351.3	16664.4	15804.3
65°	311.3	311.3	318.7	335.6	356.7	416.8	619.5	1767.6	12725.9	18907.9	18716.9
67.5°	277.5	278.6	283.9	301.8	320.8	348.3	469.6	1195.7	11948.2	19528.5	20495.1
70°	245.9	246.9	254.3	265.9	281.8	300.8	367.2	824.2	8696.8	16264.4	18325.4
72.5°	211.1	215.3	220.6	233.2	242.7	256.4	299.7	534.0	5060.2	10462.3	12113.9
75°	173.1	178.3	184.7	197.3	203.7	209.0	246.9	381.0	2434.6	5301.9	6037.4
77.5°	134.0	139.3	146.7	158.3	162.5	168.8	188.9	275.4	1166.1	2350.2	2533.8
80°	89.7	91.8	98.1	111.9	119.2	123.5	139.3	187.8	506.5	943.4	935.0
82.5°	54.9	55.9	58.0	66.5	69.7	73.9	90.8	115.0	241.7	1072.2	1229.4
85°	20.1	19.0	17.9	23.2	27.4	31.7	42.2	58.0	105.5	736.6	824.2
87.5°	0.0	0.0	0.0	1.1	2.1	2.1	4.2	8.4	25.3	275.4	188.9
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°	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3	2466.3
2.5°	2474.7	2463.1	2477.9	2488.4	2511.6	2520.1	2522.2	2514.8	2514.8	2502.1	2504.2
5°	2503.2	2495.8	2520.1	2538.0	2571.8	2584.4	2592.9	2587.6	2590.8	2582.3	2584.4
7.5°	2546.5	2540.1	2582.3	2617.2	2652.0	2666.8	2674.1	2669.9	2671.0	2660.4	2663.6
10°	2606.6	2608.7	2659.4	2704.8	2751.2	2766.0	2769.1	2756.5	2745.9	2726.9	2728.0
12.5°	2688.9	2699.5	2771.2	2821.9	2869.4	2890.5	2867.3	2820.8	2777.6	2744.9	2740.6
15°	2778.6	2797.6	2901.0	2965.4	3017.1	3006.6	2938.0	2833.5	2748.0	2699.5	2690.0
17.5°	2886.3	2914.8	3044.6	3121.6	3165.9	3098.4	2954.9	2798.7	2679.4	2614.0	2601.3
20°	2987.6	3033.0	3196.5	3296.8	3302.1	3150.1	2947.5	2728.0	2578.1	2497.9	2481.0
22.5°	3080.4	3138.5	3355.9	3483.6	3415.0	3173.3	2902.1	2627.7	2455.7	2361.8	2347.0
25°	3181.8	3264.1	3541.6	3660.9	3527.9	3163.8	2807.1	2503.2	2308.0	2211.9	2201.4
27.5°	3251.4	3354.8	3728.4	3842.4	3620.8	3110.0	2684.7	2367.1	2172.9	2082.1	2067.3
30°	3331.6	3463.5	3934.2	4039.7	3677.7	3030.8	2553.8	2240.4	2047.3	1949.2	1938.6
32.5°	3477.2	3642.9	4189.6	4248.7	3695.7	2932.7	2428.3	2118.0	1916.4	1818.3	1803.5
35°	3711.5	3905.7	4548.4	4481.9	3682.0	2825.1	2309.0	1974.5	1782.4	1690.6	1675.8
37.5°	4007.0	4248.7	4948.3	4691.9	3644.0	2706.9	2167.6	1854.2	1662.1	1569.2	1560.8
40°	4282.4	4580.0	5396.8	4873.4	3566.9	2561.2	2031.5	1728.6	1532.3	1434.2	1415.2
42.5°	4627.5	5023.3	5916.1	5030.6	3440.3	2387.1	1878.4	1573.5	1369.8	1281.1	1257.9
45°	5152.0	5643.8	6519.7	5181.6	3251.4	2172.9	1686.4	1384.6	1191.4	1100.7	1082.7
47.5°	5806.3	6419.4	7174.0	5271.3	2964.4	1947.0	1469.0	1185.1	992.0	889.6	881.2
50°	6725.5	7547.6	7875.8	5255.4	2643.5	1679.0	1224.2	947.7	786.2	712.3	700.7
52.5°	7845.2	8963.8	8634.5	5065.5	2302.7	1374.0	954.0	744.0	623.7	570.9	561.4
55°	9249.8	10659.7	9433.4	4658.1	1872.1	1052.1	749.3	586.8	504.4	472.8	468.6
57.5°	10988.9	12855.8	10202.7	3972.2	1407.8	803.1	577.3	484.4	445.3	426.3	425.3
60°	13284.2	15186.9	10870.7	3086.8	1007.8	614.2	477.0	432.7	402.1	389.4	388.4
62.5°	16013.2	17303.9	11286.5	2102.2	757.7	489.7	420.0	392.6	374.6	367.2	366.2
65°	18818.2	18642.0	11088.1	1377.2	575.1	415.8	376.7	362.0	346.1	338.8	338.8
67.5°	20475.1	18359.2	9565.3	956.1	455.9	365.1	339.8	326.1	299.7	293.4	293.4
70°	18135.5	14876.7	6269.6	699.7	369.4	319.8	295.5	276.5	265.9	259.6	258.6
72.5°	11994.6	9680.3	3333.7	485.4	308.1	272.3	250.1	242.7	230.1	223.7	222.7
75°	5969.9	5084.5	1708.5	350.4	256.4	218.4	209.0	205.8	195.2	186.8	184.7
77.5°	2488.4	2263.6	796.8	254.3	195.2	176.2	167.8	167.8	156.2	146.7	142.5
80°	938.2	835.8	376.7	174.1	144.6	130.9	125.6	121.4	111.9	100.3	93.9
82.5°	1254.8	820.0	184.7	108.7	95.0	84.4	77.0	73.9	68.6	63.3	59.1
85°	812.6	582.5	83.4	55.9	47.5	35.9	31.7	29.5	26.4	23.2	21.1
87.5°	165.7	195.2	25.3	10.6	6.3	3.2	3.2	1.1	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)