

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: P635407

Luminaire Tested: GWS-SA3D-760-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635407
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-SA3D-760-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17722.3 lumens
Efficiency: N/A
Efficacy: 146.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B4 - U0 - G4

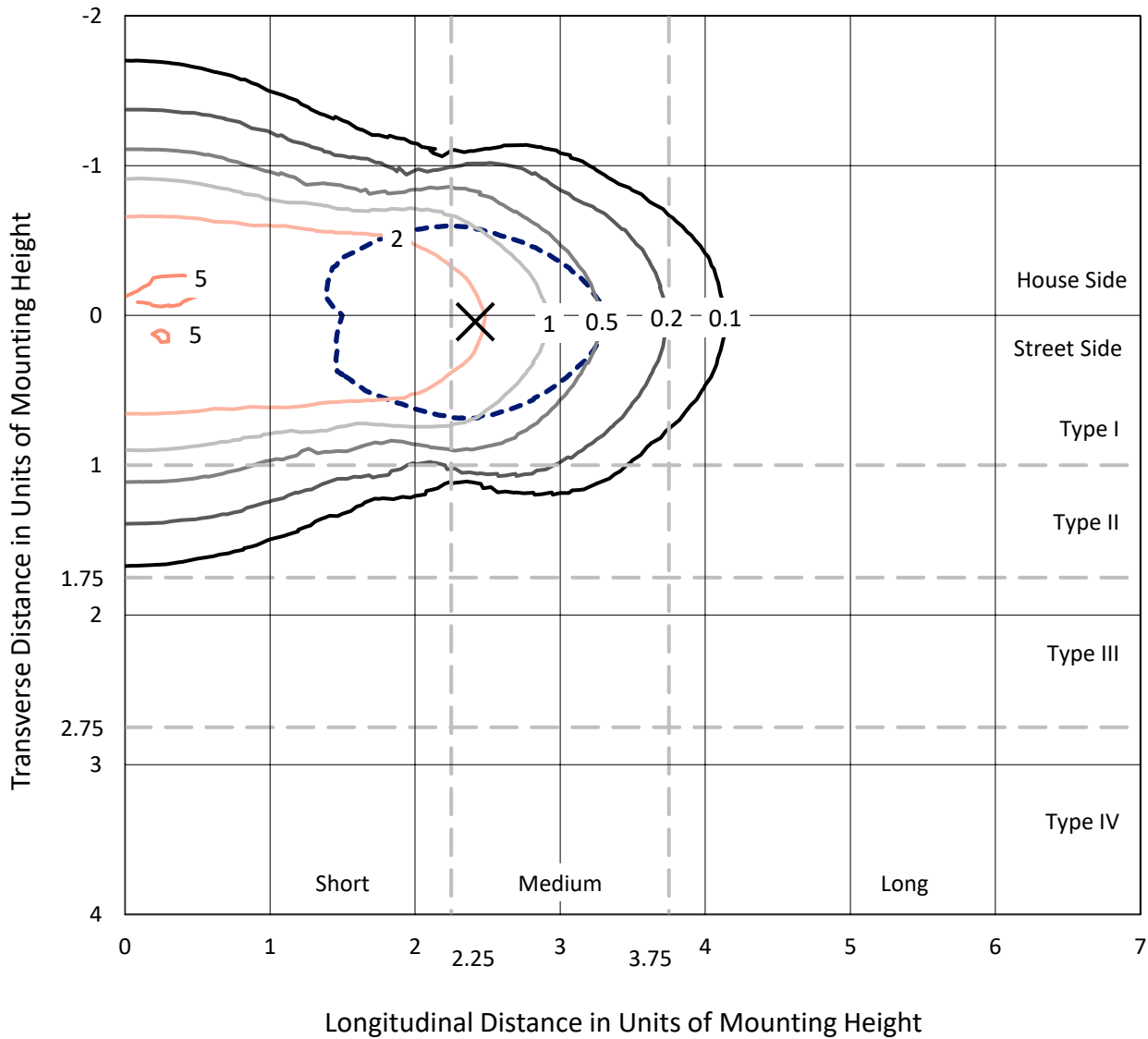
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

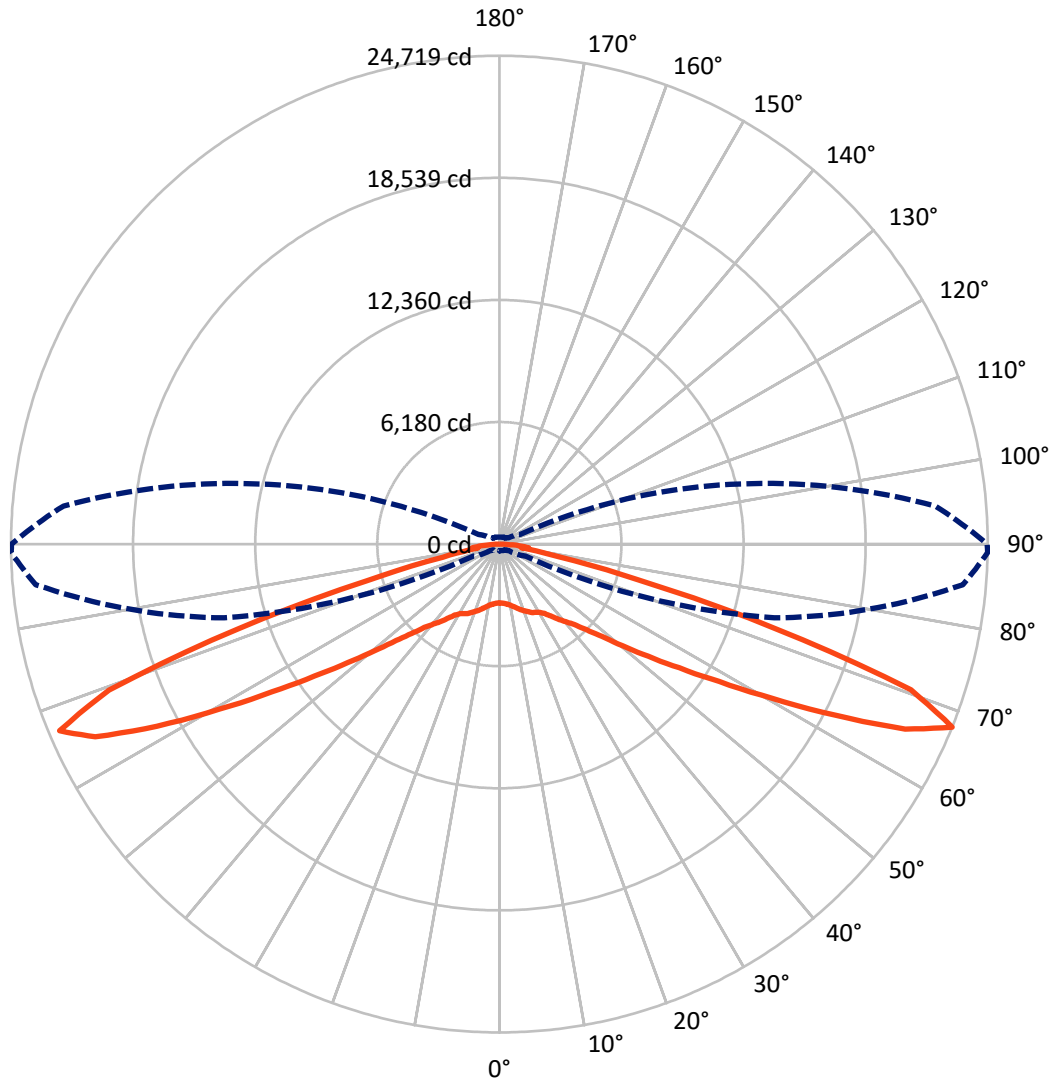
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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	8783.5	0.0	8783.5
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	8938.8	0.0	8938.8
	% Fixture	50.4	0.0	50.4
Total	Lumens	17722.3	0.0	17722.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.4	1.7
10°-20°	971.5	5.5
20°-30°	1642.3	9.3
30°-40°	2253.9	12.7
40°-50°	2874.2	16.2
50°-60°	3606.2	20.3
60°-70°	4349.3	24.5
70°-80°	1573.5	8.9
80°-90°	153.0	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°	17722.3	100.0
0°-180°	17722.3	100.0

Coefficient of Utilization



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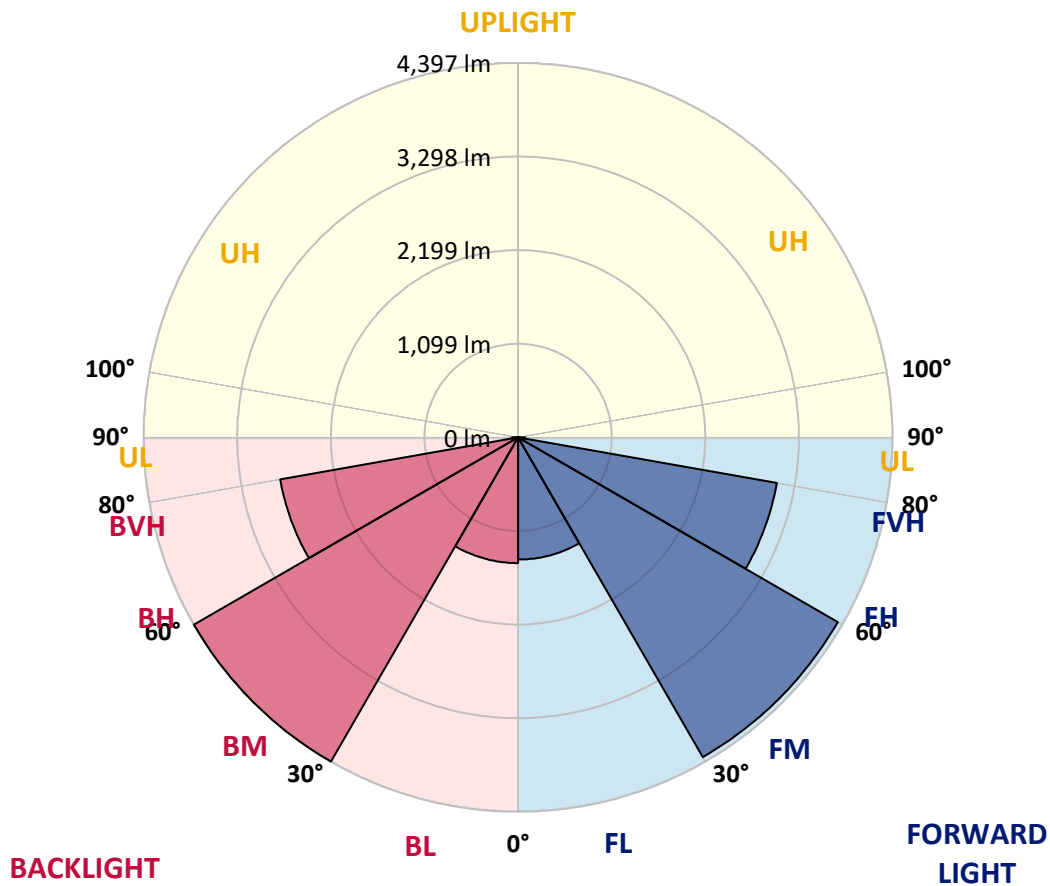
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1435.4	8.1			
FM (30°-60°)	4337.0	24.5			
FH (60°-80°)	3085.7	17.4			G2/5000
FVH (80°-90°)	80.7	0.5			G1/100
BL (0°-30°)	1476.9	8.3	B3/2500		
BM (30°-60°)	4397.3	24.8	B3/5000		
BH (60°-80°)	2837.1	16.0	B4/5000		G4/5000
BVH (80°-90°)	72.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5
2.5°	2983.5	2980.9	2974.5	2993.6	2989.8	2991.1	2998.7	2993.6	2984.7	2969.5	2991.1
5°	3067.5	3066.2	3052.2	3063.6	3050.9	3042.0	3040.7	3028.0	3017.8	3001.3	3024.2
7.5°	3148.9	3147.6	3136.2	3156.6	3146.4	3136.2	3124.7	3099.3	3075.1	3050.9	3076.4
10°	3211.3	3210.0	3207.5	3236.7	3239.3	3243.1	3238.0	3194.7	3152.7	3123.5	3148.9
12.5°	3246.9	3250.7	3257.1	3310.6	3337.3	3362.8	3369.1	3333.5	3263.5	3221.5	3252.0
15°	3222.7	3230.4	3262.2	3358.9	3432.8	3490.0	3514.2	3484.9	3394.6	3324.6	3358.9
17.5°	3106.9	3113.3	3175.6	3323.3	3486.2	3618.6	3658.0	3640.2	3539.7	3454.4	3487.5
20°	2946.5	2960.5	3028.0	3234.2	3477.3	3707.7	3813.3	3807.0	3697.5	3566.4	3605.9
22.5°	2801.4	2818.0	2889.3	3117.1	3417.5	3730.6	3969.9	3986.4	3841.3	3678.4	3710.2
25°	2638.5	2653.8	2745.4	2978.4	3314.4	3712.8	4103.5	4178.6	4004.2	3807.0	3836.2
27.5°	2471.8	2483.2	2573.6	2821.8	3179.5	3679.7	4209.2	4389.9	4164.6	3896.1	3916.4
30°	2325.4	2340.7	2423.4	2665.3	3031.8	3613.5	4295.7	4615.2	4349.2	3996.6	4013.2
32.5°	2184.1	2196.9	2287.2	2511.2	2875.3	3511.7	4373.4	4879.9	4622.8	4183.7	4183.7
35°	2005.9	2028.9	2130.7	2363.6	2727.6	3376.8	4429.4	5188.0	4997.0	4459.9	4461.2
37.5°	1841.7	1854.5	1961.4	2196.9	2572.3	3224.0	4434.5	5507.4	5470.5	4811.2	4813.7
40°	1654.6	1671.2	1785.7	2018.7	2394.1	3063.6	4386.1	5805.3	5966.9	5172.7	5158.7
42.5°	1465.0	1489.2	1598.6	1826.5	2202.0	2867.6	4257.5	6089.1	6596.9	5591.4	5557.1
45°	1281.7	1297.0	1406.4	1621.6	1981.8	2633.4	4051.3	6361.5	7345.4	6227.8	6178.2
47.5°	1075.5	1081.9	1195.2	1401.4	1753.9	2372.5	3756.0	6604.6	8167.6	7070.4	6985.2
50°	892.2	901.1	990.2	1167.2	1475.2	2063.2	3388.2	6747.1	9215.1	8219.8	8072.1
52.5°	721.7	730.6	801.9	943.1	1219.3	1710.6	2932.5	6714.0	10277.9	9646.6	9431.5
55°	582.9	589.3	637.7	748.4	959.7	1360.6	2394.1	6417.5	11457.8	11510.0	11046.7
57.5°	492.6	495.1	528.2	595.7	749.7	1048.8	1848.1	5717.4	12695.0	13887.6	13126.4
60°	440.4	441.7	456.9	498.9	591.9	800.6	1354.3	4602.5	13976.7	16862.1	15818.4
62.5°	407.3	407.3	420.0	444.2	491.3	616.0	995.3	3305.5	14896.9	20098.9	19061.5
65°	375.5	375.5	384.4	404.8	430.2	502.8	747.1	2131.9	15348.8	22804.8	22574.5
67.5°	334.7	336.0	342.4	364.0	386.9	420.0	566.4	1442.1	14410.7	23553.3	24719.1
70°	296.6	297.8	306.7	320.7	339.8	362.7	442.9	994.1	10489.2	19616.5	22102.3
72.5°	254.6	259.7	266.0	281.3	292.7	309.3	361.5	644.0	6103.1	12618.6	14610.5
75°	208.7	215.1	222.7	238.0	245.7	252.0	297.8	459.5	2936.4	6394.6	7281.7
77.5°	161.6	168.0	176.9	190.9	196.0	203.6	227.8	332.2	1406.4	2834.5	3056.0
80°	108.2	110.7	118.4	134.9	143.8	148.9	168.0	226.6	610.9	1137.9	1127.7
82.5°	66.2	67.5	70.0	80.2	84.0	89.1	109.5	138.7	291.5	1293.2	1482.8
85°	24.2	22.9	21.6	28.0	33.1	38.2	50.9	70.0	127.3	888.4	994.1
87.5°	0.0	0.0	0.0	1.3	2.5	2.5	5.1	10.2	30.5	332.2	227.8
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°	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5
2.5°	2984.7	2970.7	2988.5	3001.3	3029.3	3039.5	3042.0	3033.1	3033.1	3017.8	3020.4
5°	3019.1	3010.2	3039.5	3061.1	3101.8	3117.1	3127.3	3120.9	3124.7	3114.6	3117.1
7.5°	3071.3	3063.6	3114.6	3156.6	3198.6	3216.4	3225.3	3220.2	3221.5	3208.7	3212.6
10°	3143.8	3146.4	3207.5	3262.2	3318.2	3336.0	3339.8	3324.6	3311.8	3288.9	3290.2
12.5°	3243.1	3255.8	3342.4	3403.5	3460.8	3486.2	3458.2	3402.2	3350.0	3310.6	3305.5
15°	3351.3	3374.2	3498.9	3576.6	3638.9	3626.2	3543.5	3417.5	3314.4	3255.8	3244.4
17.5°	3481.1	3515.5	3672.0	3765.0	3818.4	3737.0	3563.9	3375.5	3231.7	3152.7	3137.5
20°	3603.3	3658.0	3855.3	3976.2	3982.6	3799.3	3554.9	3290.2	3109.5	3012.7	2992.4
22.5°	3715.3	3785.3	4047.5	4201.5	4118.8	3827.3	3500.2	3169.3	2961.8	2848.5	2830.7
25°	3837.5	3936.8	4271.5	4415.4	4255.0	3815.9	3385.7	3019.1	2783.6	2667.8	2655.1
27.5°	3921.5	4046.2	4496.8	4634.3	4367.0	3751.0	3238.0	2854.9	2620.7	2511.2	2493.4
30°	4018.2	4177.3	4745.0	4872.3	4435.7	3655.5	3080.2	2702.2	2469.2	2350.9	2338.1
32.5°	4193.9	4393.7	5053.0	5124.3	4457.4	3537.1	2928.7	2554.5	2311.4	2193.0	2175.2
35°	4476.5	4710.7	5485.8	5405.6	4440.8	3407.3	2784.9	2381.4	2149.8	2039.0	2021.2
37.5°	4832.8	5124.3	5968.2	5658.9	4395.0	3264.7	2614.3	2236.3	2004.7	1892.7	1882.5
40°	5165.0	5524.0	6509.1	5877.8	4302.1	3089.1	2450.1	2084.9	1848.1	1729.7	1706.8
42.5°	5581.2	6058.6	7135.3	6067.5	4149.3	2879.1	2265.6	1897.8	1652.1	1545.2	1517.2
45°	6213.8	6807.0	7863.4	6249.5	3921.5	2620.7	2033.9	1669.9	1437.0	1327.5	1305.9
47.5°	7003.0	7742.5	8652.5	6357.7	3575.3	2348.3	1771.7	1429.4	1196.4	1073.0	1062.8
50°	8111.6	9103.1	9498.9	6338.6	3188.4	2025.0	1476.5	1143.0	948.2	859.1	845.1
52.5°	9462.0	10811.2	10414.1	6109.5	2777.3	1657.2	1150.6	897.3	752.2	688.6	677.1
55°	11156.1	12856.6	11377.6	5618.2	2258.0	1269.0	903.7	707.7	608.4	570.2	565.1
57.5°	13253.7	15505.3	12305.5	4790.8	1697.9	968.6	696.2	584.2	537.1	514.2	512.9
60°	16022.1	18316.9	13111.2	3723.0	1215.5	740.8	575.3	521.9	484.9	469.7	468.4
62.5°	19313.5	20870.2	13612.6	2535.4	913.9	590.6	506.6	473.5	451.8	442.9	441.7
65°	22696.7	22484.1	13373.4	1661.0	693.7	501.5	454.4	436.6	417.5	408.6	408.6
67.5°	24695.0	22143.0	11536.7	1153.2	549.9	440.4	409.8	393.3	361.5	353.8	353.8
70°	21873.2	17942.7	7561.7	843.9	445.5	385.7	356.4	333.5	320.7	313.1	311.8
72.5°	14466.7	11675.4	4020.8	585.5	371.7	328.4	301.7	292.7	277.5	269.8	268.6
75°	7200.3	6132.4	2060.7	422.6	309.3	263.5	252.0	248.2	235.5	225.3	222.7
77.5°	3001.3	2730.2	961.0	306.7	235.5	212.6	202.4	202.4	188.4	176.9	171.8
80°	1131.5	1008.1	454.4	210.0	174.4	157.8	151.5	146.4	134.9	120.9	113.3
82.5°	1513.4	989.0	222.7	131.1	114.6	101.8	92.9	89.1	82.7	76.4	71.3
85°	980.1	702.6	100.6	67.5	57.3	43.3	38.2	35.6	31.8	28.0	25.5
87.5°	199.8	235.5	30.5	12.7	7.6	3.8	3.8	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)