

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: P633867

Luminaire Tested: GWS-SA2F-750-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633867
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-SA2F-750-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16564 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B4 - U0 - G4

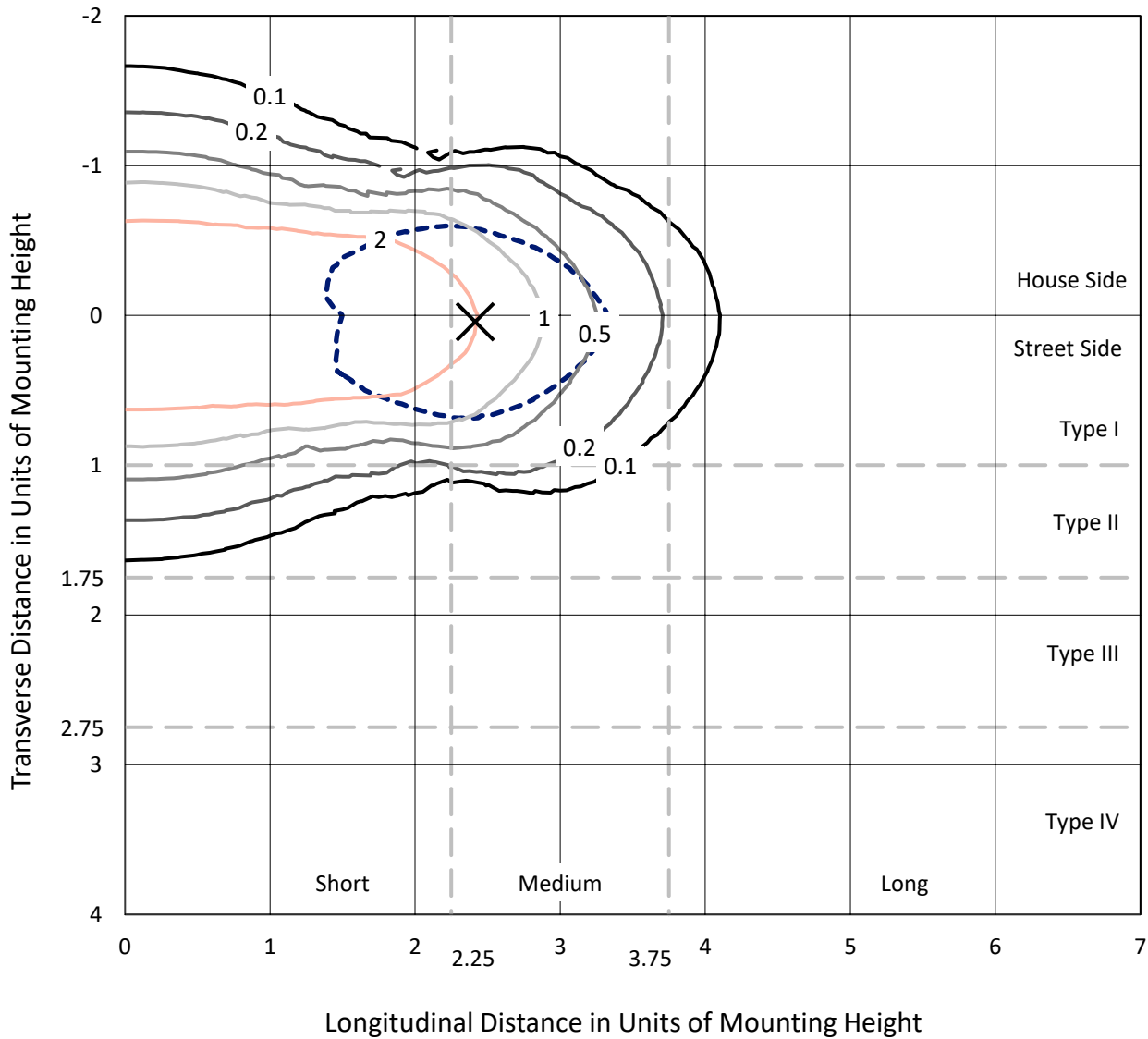
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633867
 CATALOG NUMBER: GWS-SA2F-750-U-T1-W

Iso-Footcandle Lines of Horizontal Illumination

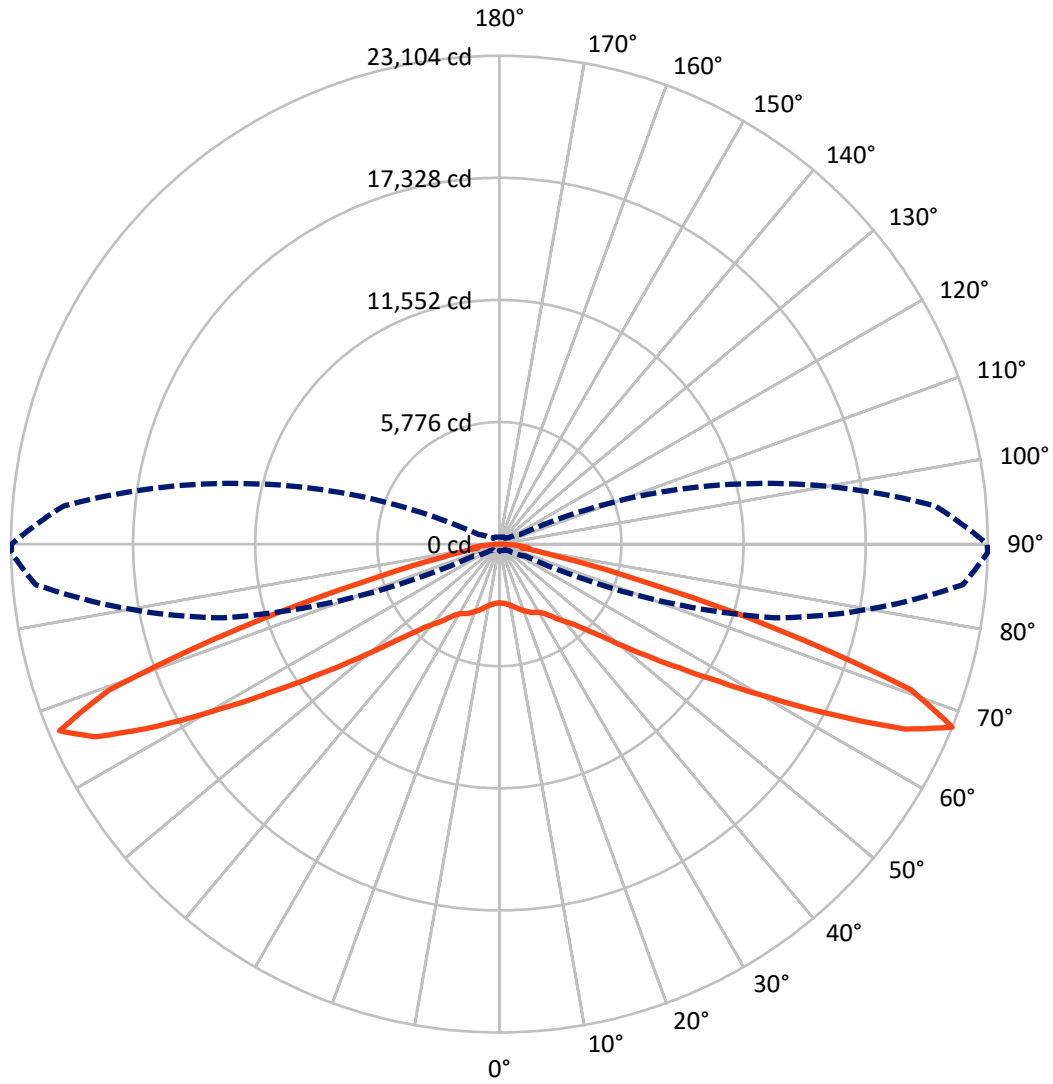
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type I - Medium - N/A

REPORT NUMBER: P633867
CATALOG NUMBER: GWS-SA2F-750-U-T1-W

Luminous Intensity Polar Plot



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



REPORT NUMBER: P633867

CATALOG NUMBER: GWS-SA2F-750-U-T1-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8209.4	0.0	8209.4
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	8354.6	0.0	8354.6
	% Fixture	50.4	0.0	50.4
Total	Lumens	16564.0	0.0	16564.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.9	1.7
10°-20°	908.0	5.5
20°-30°	1535.0	9.3
30°-40°	2106.6	12.7
40°-50°	2686.4	16.2
50°-60°	3370.5	20.3
60°-70°	4065.1	24.5
70°-80°	1470.6	8.9
80°-90°	143.0	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°	16564.0	100.0
0°-180°	16564.0	100.0

Coefficient of Utilization



REPORT NUMBER: P633867

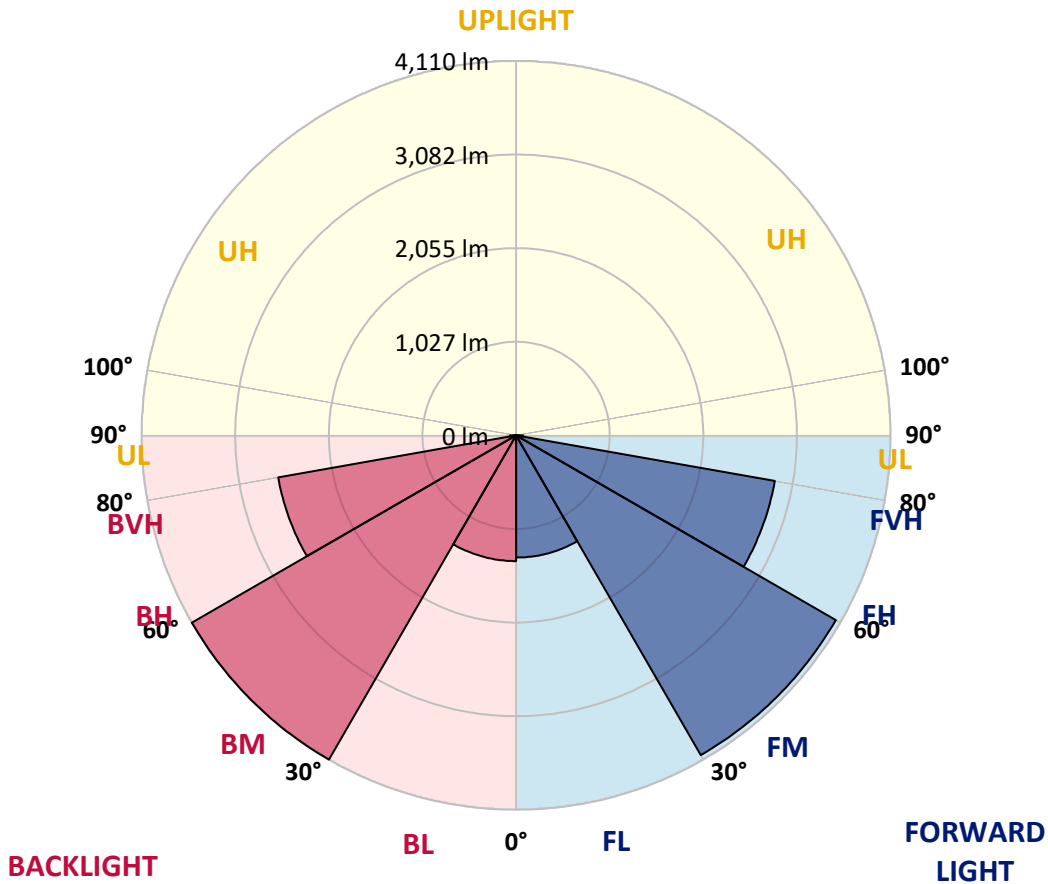
CATALOG NUMBER: GWS-SA2F-750-U-T1-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1341.6	8.1			
FM (30°-60°)	4053.5	24.5			
FH (60°-80°)	2884.0	17.4			G2/5000
FVH (80°-90°)	75.5	0.5			G1/100
BL (0°-30°)	1380.3	8.3	B3/2500		
BM (30°-60°)	4109.9	24.8	B3/5000		
BH (60°-80°)	2651.6	16.0	B4/5000		G4/5000
BVH (80°-90°)	67.6	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





REPORT NUMBER: P633867
 CATALOG NUMBER: GWS-SA2F-750-U-T1-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	2780.1	2780.1	2780.1	2780.1	2780.1	2780.1	2780.1	2780.1	2780.1	2780.1	2780.1
2.5°	2788.5	2786.1	2780.1	2798.0	2794.4	2795.6	2802.7	2798.0	2789.7	2775.4	2795.6
5°	2867.0	2865.8	2852.7	2863.4	2851.5	2843.2	2842.0	2830.1	2820.6	2805.1	2826.5
7.5°	2943.1	2941.9	2931.2	2950.2	2940.7	2931.2	2920.5	2896.7	2874.1	2851.5	2875.3
10°	3001.4	3000.2	2997.8	3025.2	3027.6	3031.1	3026.4	2985.9	2946.7	2919.3	2943.1
12.5°	3034.7	3038.3	3044.2	3094.2	3119.2	3143.0	3148.9	3115.6	3050.2	3010.9	3039.5
15°	3012.1	3019.2	3049.0	3139.4	3208.4	3261.9	3284.5	3257.2	3172.7	3107.3	3139.4
17.5°	2903.9	2909.8	2968.1	3106.1	3258.4	3382.1	3419.0	3402.3	3308.3	3228.6	3259.5
20°	2754.0	2767.0	2830.1	3022.8	3250.0	3465.4	3564.1	3558.1	3455.8	3333.3	3370.2
22.5°	2618.3	2633.8	2700.4	2913.4	3194.1	3486.8	3710.4	3725.9	3590.3	3438.0	3467.7
25°	2466.1	2480.4	2566.0	2783.7	3097.8	3470.1	3835.3	3905.5	3742.5	3558.1	3585.5
27.5°	2310.2	2320.9	2405.4	2637.4	2971.7	3439.2	3934.1	4103.0	3892.4	3641.4	3660.5
30°	2173.4	2187.7	2265.0	2491.1	2833.7	3377.3	4015.0	4313.5	4064.9	3735.4	3750.9
32.5°	2041.4	2053.3	2137.7	2347.1	2687.3	3282.2	4087.5	4561.0	4320.7	3910.3	3910.3
35°	1874.8	1896.2	1991.4	2209.1	2549.3	3156.1	4139.9	4848.9	4670.4	4168.4	4169.6
37.5°	1721.4	1733.3	1833.2	2053.3	2404.2	3013.3	4144.6	5147.5	5113.0	4496.8	4499.1
40°	1546.5	1562.0	1669.0	1886.7	2237.7	2863.4	4099.4	5425.8	5576.9	4834.6	4821.5
42.5°	1369.2	1391.9	1494.2	1707.1	2058.0	2680.2	3979.3	5691.1	6165.8	5226.0	5193.9
45°	1197.9	1212.2	1314.5	1515.6	1852.2	2461.3	3786.5	5945.7	6865.3	5820.8	5774.4
47.5°	1005.2	1011.2	1117.0	1309.8	1639.3	2217.4	3510.6	6172.9	7633.8	6608.3	6528.6
50°	833.9	842.2	925.5	1090.9	1378.8	1928.4	3166.8	6306.2	8612.8	7682.5	7544.5
52.5°	674.5	682.8	749.5	881.5	1139.7	1598.8	2740.9	6275.2	9606.2	9016.1	8815.1
55°	544.8	550.8	596.0	699.5	897.0	1271.7	2237.7	5998.0	10708.9	10757.7	10324.7
57.5°	460.4	462.8	493.7	556.7	700.7	980.2	1727.3	5343.8	11865.2	12979.9	12268.5
60°	411.6	412.8	427.1	466.3	553.2	748.3	1265.8	4301.7	13063.2	15760.0	14784.6
62.5°	380.7	380.7	392.6	415.2	459.2	575.8	930.3	3089.4	13923.3	18785.2	17815.7
65°	350.9	350.9	359.3	378.3	402.1	469.9	698.3	1992.6	14345.6	21314.4	21099.0
67.5°	312.9	314.1	320.0	340.2	361.6	392.6	529.4	1347.8	13468.8	22013.9	23103.5
70°	277.2	278.4	286.7	299.8	317.6	339.0	414.0	929.1	9803.6	18334.4	20657.7
72.5°	237.9	242.7	248.6	262.9	273.6	289.1	337.9	601.9	5704.2	11793.9	13655.6
75°	195.1	201.0	208.2	222.5	229.6	235.5	278.4	429.5	2744.4	5976.6	6805.8
77.5°	151.1	157.0	165.4	178.4	183.2	190.3	212.9	310.5	1314.5	2649.3	2856.3
80°	101.1	103.5	110.6	126.1	134.4	139.2	157.0	211.8	571.0	1063.5	1054.0
82.5°	61.9	63.0	65.4	74.9	78.5	83.3	102.3	129.7	272.4	1208.7	1385.9
85°	22.6	21.4	20.2	26.2	30.9	35.7	47.6	65.4	119.0	830.4	929.1
87.5°	0.0	0.0	0.0	1.2	2.4	2.4	4.8	9.5	28.6	310.5	212.9
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: P633867
 CATALOG NUMBER: GWS-SA2F-750-U-T1-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2780.1	2780.1	2780.1	2780.1	2780.1	2780.1	2780.1	2780.1	2780.1	2780.1	2780.1
2.5°	2789.7	2776.6	2793.2	2805.1	2831.3	2840.8	2843.2	2834.9	2834.9	2820.6	2823.0
5°	2821.8	2813.4	2840.8	2861.0	2899.1	2913.4	2922.9	2916.9	2920.5	2911.0	2913.4
7.5°	2870.5	2863.4	2911.0	2950.2	2989.5	3006.2	3014.5	3009.7	3010.9	2999.0	3002.6
10°	2938.4	2940.7	2997.8	3049.0	3101.3	3118.0	3121.6	3107.3	3095.4	3074.0	3075.2
12.5°	3031.1	3043.0	3123.9	3181.0	3234.6	3258.4	3232.2	3179.8	3131.1	3094.2	3089.4
15°	3132.3	3153.7	3270.3	3342.8	3401.1	3389.2	3311.9	3194.1	3097.8	3043.0	3032.3
17.5°	3253.6	3285.7	3432.0	3518.9	3568.8	3492.7	3330.9	3154.9	3020.4	2946.7	2932.4
20°	3367.8	3419.0	3603.3	3716.4	3722.3	3551.0	3322.6	3075.2	2906.2	2815.8	2796.8
22.5°	3472.5	3537.9	3783.0	3926.9	3849.6	3577.2	3271.4	2962.1	2768.2	2662.4	2645.7
25°	3586.7	3679.5	3992.4	4126.8	3976.9	3566.5	3164.4	2821.8	2601.7	2493.4	2481.5
27.5°	3665.2	3781.8	4202.9	4331.4	4081.6	3505.8	3026.4	2668.3	2449.4	2347.1	2330.5
30°	3755.6	3904.3	4434.9	4553.9	4145.8	3416.6	2878.9	2525.6	2307.9	2197.2	2185.3
32.5°	3919.8	4106.6	4722.8	4789.4	4166.0	3305.9	2737.3	2387.6	2160.3	2049.7	2033.1
35°	4183.9	4402.8	5127.2	5052.3	4150.6	3184.6	2602.9	2225.8	2009.3	1905.8	1889.1
37.5°	4517.0	4789.4	5578.1	5289.0	4107.7	3051.4	2443.5	2090.2	1873.6	1769.0	1759.4
40°	4827.5	5162.9	6083.7	5493.6	4020.9	2887.2	2290.0	1948.6	1727.3	1616.7	1595.3
42.5°	5216.5	5662.6	6669.0	5670.9	3878.2	2690.9	2117.5	1773.7	1544.1	1444.2	1418.0
45°	5807.7	6362.1	7349.5	5841.0	3665.2	2449.4	1901.0	1560.8	1343.1	1240.8	1220.5
47.5°	6545.3	7236.4	8087.0	5942.1	3341.6	2194.8	1655.9	1335.9	1118.2	1002.8	993.3
50°	7581.4	8508.1	8878.1	5924.3	2980.0	1892.7	1380.0	1068.3	886.3	803.0	789.9
52.5°	8843.6	10104.6	9733.4	5710.2	2595.7	1548.9	1075.4	838.7	703.1	643.6	632.9
55°	10427.0	12016.3	10634.0	5251.0	2110.4	1186.0	844.6	661.4	568.6	532.9	528.2
57.5°	12387.5	14491.9	11501.2	4477.7	1586.9	905.3	650.7	546.0	502.0	480.6	479.4
60°	14974.9	17119.8	12254.2	3479.6	1136.1	692.4	537.7	487.7	453.2	439.0	437.8
62.5°	18051.2	19506.1	12722.9	2369.7	854.1	552.0	473.5	442.5	422.3	414.0	412.8
65°	21213.2	21014.6	12499.3	1552.4	648.3	468.7	424.7	408.0	390.2	381.9	381.9
67.5°	23080.9	20695.8	10782.7	1077.8	513.9	411.6	383.1	367.6	337.9	330.7	330.7
70°	20443.6	16770.0	7067.5	788.7	416.4	360.5	333.1	311.7	299.8	292.6	291.5
72.5°	13521.2	10912.4	3758.0	547.2	347.4	306.9	281.9	273.6	259.3	252.2	251.0
75°	6729.7	5731.6	1926.0	395.0	289.1	246.3	235.5	232.0	220.1	210.6	208.2
77.5°	2805.1	2551.7	898.2	286.7	220.1	198.7	189.1	189.1	176.1	165.4	160.6
80°	1057.6	942.2	424.7	196.3	163.0	147.5	141.6	136.8	126.1	113.0	105.9
82.5°	1414.5	924.3	208.2	122.5	107.1	95.2	86.8	83.3	77.3	71.4	66.6
85°	916.0	656.7	94.0	63.0	53.5	40.4	35.7	33.3	29.7	26.2	23.8
87.5°	186.8	220.1	28.6	11.9	7.1	3.6	3.6	1.2	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)