

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: P635203

Luminaire Tested: GWS-SA3D-730-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635203
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-730-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16291.1 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

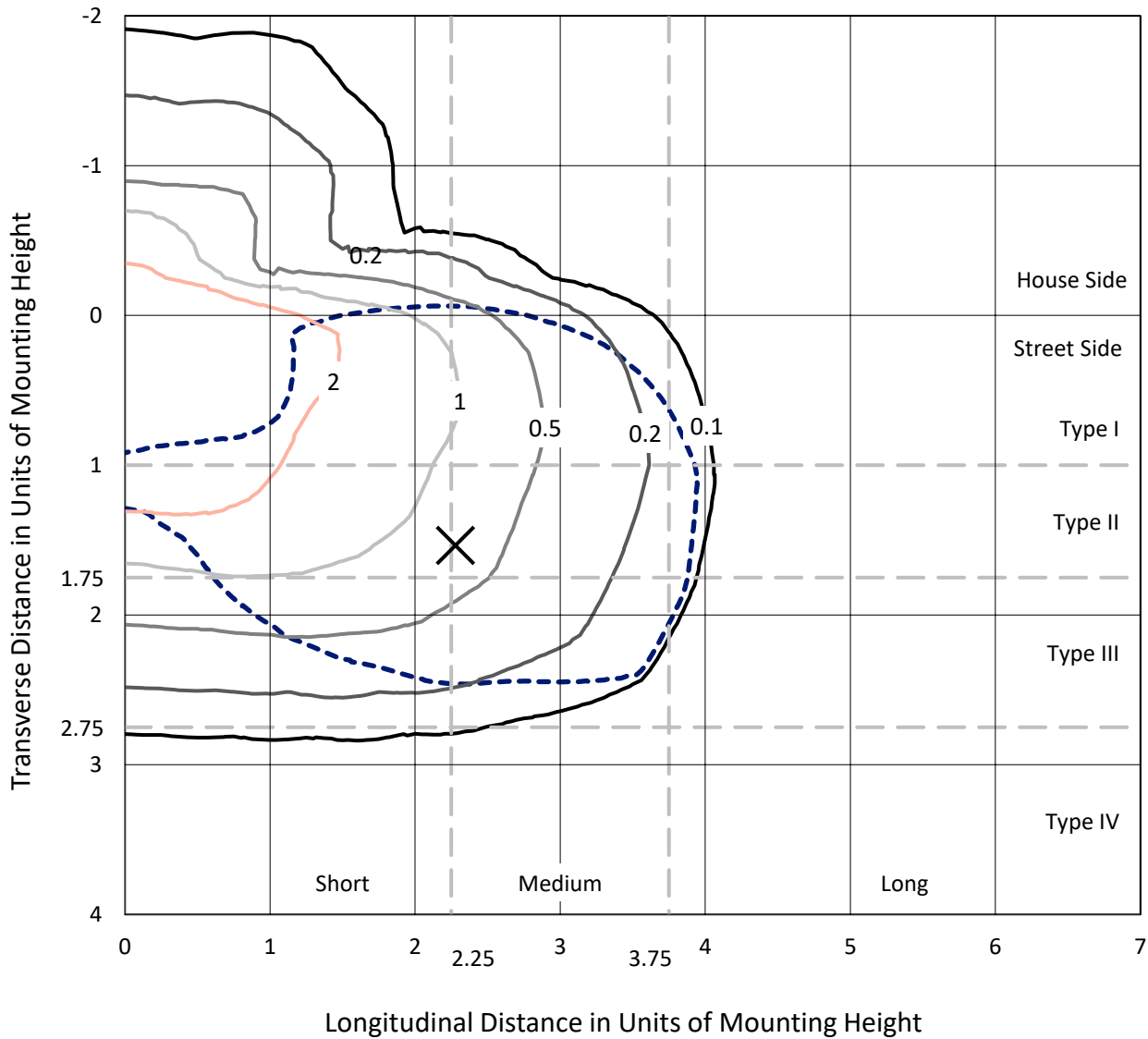
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635203
 CATALOG NUMBER: GWS-SA3D-730-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination

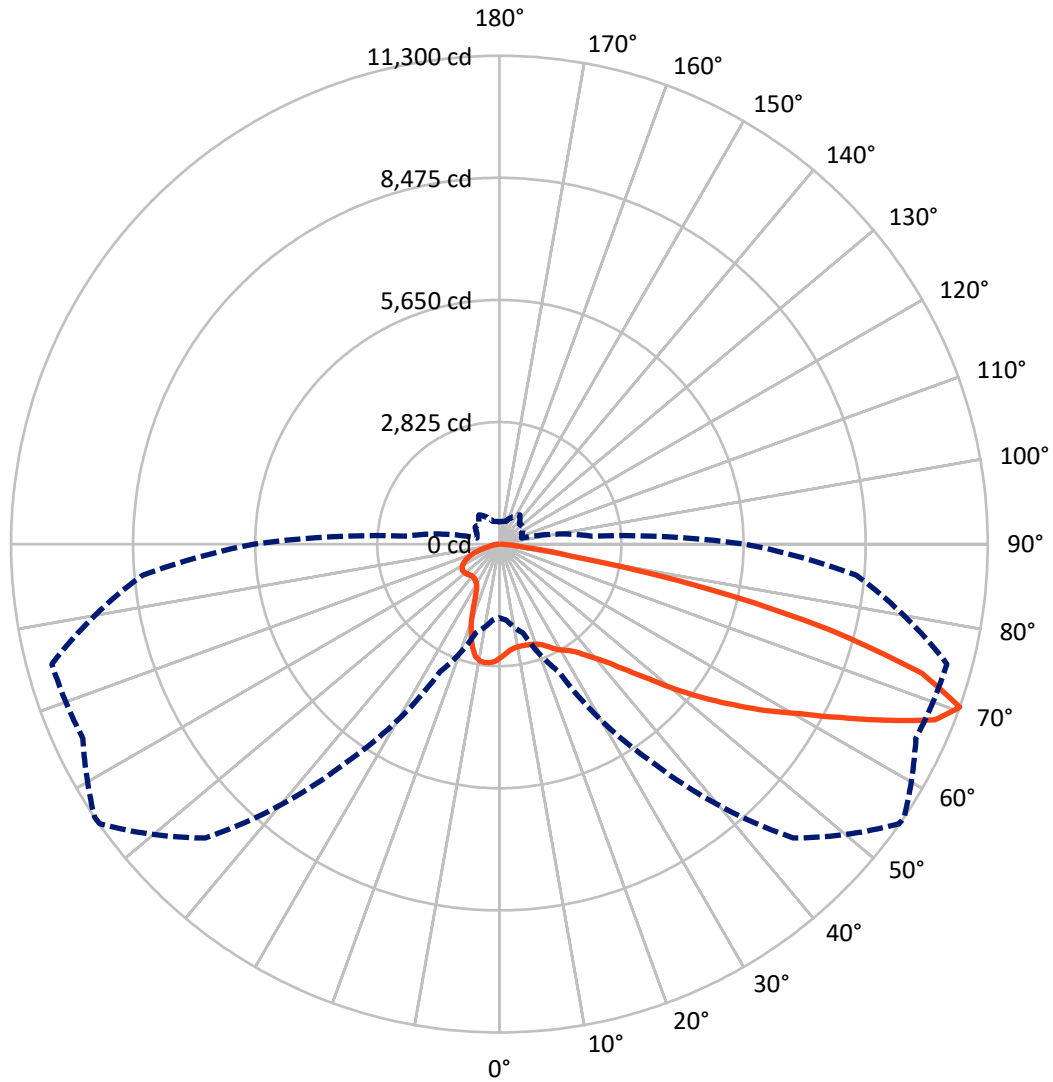
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P635203
CATALOG NUMBER: GWS-SA3D-730-U-T3R-W

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P635203

CATALOG NUMBER: GWS-SA3D-730-U-T3R-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3132.0	0.0	3132.0
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	13159.1	0.0	13159.1
	% Fixture	80.8	0.0	80.8
Total	Lumens	16291.1	0.0	16291.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.3	1.5
10°-20°	659.3	4.0
20°-30°	1090.1	6.7
30°-40°	1629.8	10.0
40°-50°	2425.4	14.9
50°-60°	3448.2	21.2
60°-70°	4270.7	26.2
70°-80°	2358.1	14.5
80°-90°	166.1	1.0
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°	16291.1	100.0
0°-180°	16291.1	100.0

Coefficient of Utilization



REPORT NUMBER: P635203

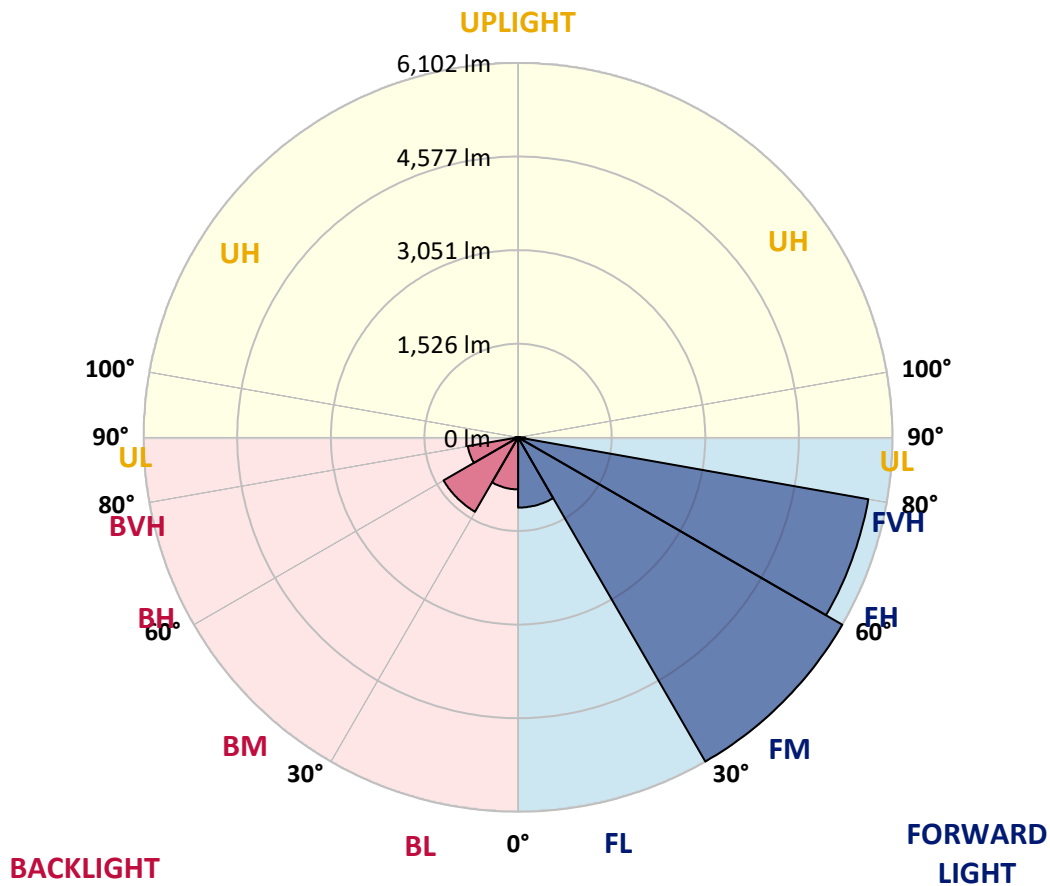
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1144.9	7.0			
FM (30°-60°)	6102.4	37.5			
FH (60°-80°)	5796.4	35.6			G3/7500
FVH (80°-90°)	115.4	0.7			G2/225
BL (0°-30°)	847.8	5.2	B2/1000		
BM (30°-60°)	1401.0	8.6	B2/2500		
BH (60°-80°)	832.5	5.1	B2/1000		G2/1000
BVH (80°-90°)	50.7	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





REPORT NUMBER: P635203
 CATALOG NUMBER: GWS-SA3D-730-U-T3R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2629.6	2629.6	2629.6	2629.6	2629.6	2629.6	2629.6	2629.6	2629.6	2629.6	2629.6
2.5°	2460.8	2447.0	2463.1	2471.1	2491.8	2521.6	2548.1	2549.2	2563.0	2596.3	2628.5
5°	2349.3	2342.4	2347.0	2371.2	2393.0	2430.9	2471.1	2474.5	2513.6	2579.1	2643.4
7.5°	2263.2	2254.0	2271.2	2302.2	2329.8	2372.3	2425.1	2429.7	2484.9	2583.7	2682.5
10°	2139.1	2132.2	2164.4	2205.7	2265.5	2335.5	2405.6	2411.4	2483.7	2613.6	2751.4
12.5°	2085.1	2085.1	2098.9	2137.9	2203.4	2296.5	2402.2	2411.4	2502.1	2659.5	2839.9
15°	2169.0	2174.7	2163.2	2160.9	2187.3	2275.8	2406.8	2420.6	2536.6	2706.6	2927.2
17.5°	2337.8	2343.6	2313.7	2266.6	2240.2	2295.3	2424.0	2438.9	2573.3	2758.3	3021.4
20°	2574.5	2581.4	2515.9	2443.5	2352.8	2351.6	2457.3	2471.1	2620.4	2814.6	3121.3
22.5°	2851.4	2856.0	2773.2	2658.4	2519.3	2456.2	2514.8	2528.5	2681.3	2892.7	3229.3
25°	3171.9	3185.7	3085.7	2919.1	2730.7	2599.8	2610.1	2626.2	2790.5	2997.3	3356.8
27.5°	3514.2	3531.5	3416.6	3232.8	2973.1	2758.3	2733.0	2746.8	2906.5	3061.6	3424.6
30°	3864.6	3877.2	3762.4	3552.1	3233.9	2937.5	2836.4	2844.5	2957.0	3092.6	3493.5
32.5°	4254.1	4243.7	4133.4	3891.0	3534.9	3152.3	2932.9	2930.6	3013.3	3154.6	3592.3
35°	4619.4	4634.3	4517.1	4249.5	3865.8	3417.7	3077.7	3068.5	3132.8	3255.7	3731.3
37.5°	5061.7	5057.1	4916.9	4627.4	4197.8	3671.6	3281.0	3264.9	3287.9	3413.1	3925.5
40°	5377.6	5409.8	5319.0	5049.0	4586.1	3984.1	3518.8	3483.2	3488.9	3607.3	4185.1
42.5°	5636.1	5665.9	5675.1	5502.8	5030.7	4370.1	3815.2	3779.6	3783.0	3950.8	4504.5
45°	5834.8	5875.0	6004.8	5954.3	5531.5	4815.8	4216.1	4179.4	4181.7	4367.8	4890.5
47.5°	5916.4	5960.0	6223.1	6343.7	6063.4	5348.9	4714.7	4660.7	4668.8	4874.4	5331.6
50°	5890.0	5948.6	6304.7	6643.6	6509.2	5891.1	5311.0	5273.1	5242.0	5540.7	5810.7
52.5°	5662.5	5726.8	6296.6	6834.3	6873.4	6403.5	5926.7	5904.9	5898.0	6248.4	6346.0
55°	4992.7	5100.7	6019.8	6884.8	7158.3	6886.0	6594.2	6557.4	6593.0	7006.6	6887.1
57.5°	4621.7	4702.1	5477.5	6828.5	7391.5	7345.5	7260.5	7263.9	7304.2	7830.3	7543.1
60°	4410.3	4504.5	5176.6	6674.6	7615.5	7903.8	7957.8	7957.8	8030.2	8718.3	8209.4
62.5°	4130.0	4225.3	4895.1	6378.2	7822.3	8561.0	8834.4	8830.9	8859.6	9670.7	8860.8
65°	3561.3	3649.8	4329.9	5910.6	7923.4	9284.7	9830.4	9820.1	9762.6	10518.5	9291.6
67.5°	2586.0	2669.8	3316.6	5021.5	7559.2	9868.3	10856.3	10860.9	10517.4	11052.7	9314.6
70°	1704.8	1762.3	2132.2	3261.5	6147.3	9616.7	11285.9	11299.7	10633.4	10719.6	8289.8
72.5°	1063.8	1104.0	1331.5	1944.9	3632.5	7612.0	10183.1	10221.0	9566.2	9420.3	6811.3
75°	706.5	734.1	885.7	1133.9	1680.7	4119.6	7740.7	7862.5	7667.2	7384.6	4745.7
77.5°	425.1	448.0	564.1	720.3	744.4	1609.5	4518.3	4833.1	4860.6	3855.4	1987.4
80°	194.1	220.6	311.3	411.3	396.3	560.6	1593.4	1666.9	1966.8	1224.6	627.3
82.5°	114.9	126.4	206.8	204.5	168.9	272.3	573.3	588.2	499.7	448.0	267.7
85°	46.0	54.0	87.3	77.0	62.0	88.5	216.0	226.3	217.1	195.3	98.8
87.5°	0.0	0.0	0.0	0.0	1.1	2.3	19.5	20.7	29.9	54.0	29.9
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: P635203
 CATALOG NUMBER: GWS-SA3D-730-U-T3R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2629.6	2629.6	2629.6	2629.6	2629.6	2629.6	2629.6	2629.6	2629.6	2629.6	2629.6
2.5°	2649.2	2642.3	2676.7	2703.2	2714.6	2726.1	2715.8	2712.3	2712.3	2689.4	2677.9
5°	2677.9	2681.3	2728.4	2750.3	2750.3	2741.1	2713.5	2694.0	2687.1	2657.2	2649.2
7.5°	2731.9	2746.8	2790.5	2789.3	2757.2	2706.6	2637.7	2584.8	2536.6	2515.9	2503.3
10°	2820.3	2839.9	2869.7	2821.5	2731.9	2598.6	2452.7	2337.8	2268.9	2213.8	2213.8
12.5°	2921.4	2939.8	2934.1	2822.6	2637.7	2388.4	2178.2	2046.0	1949.5	1899.0	1899.0
15°	3022.5	3037.5	2975.4	2769.8	2441.2	2109.2	1879.5	1720.9	1637.1	1590.0	1590.0
17.5°	3124.8	3123.6	2992.7	2648.0	2185.0	1800.2	1575.0	1452.1	1423.4	1415.3	1414.2
20°	3223.6	3197.1	2970.8	2444.7	1887.5	1488.9	1346.4	1354.5	1397.0	1415.3	1417.6
22.5°	3335.0	3269.5	2906.5	2185.0	1549.7	1272.9	1282.1	1348.7	1410.7	1438.3	1441.8
25°	3448.7	3331.6	2798.5	1880.6	1267.1	1193.6	1264.8	1339.5	1409.6	1445.2	1448.7
27.5°	3494.7	3331.6	2614.7	1527.9	1116.6	1160.3	1238.4	1310.8	1384.3	1425.7	1433.7
30°	3532.6	3302.8	2357.4	1209.7	1054.6	1128.1	1195.9	1262.5	1334.9	1385.5	1394.7
32.5°	3585.4	3277.6	2046.0	1016.7	1025.9	1097.1	1144.2	1200.5	1266.0	1299.3	1295.9
35°	3647.5	3238.5	1670.4	924.8	1001.8	1070.7	1104.0	1137.3	1107.5	1106.3	1109.8
37.5°	3735.9	3204.0	1343.0	883.4	985.7	1052.3	1079.9	1008.7	967.3	950.1	943.2
40°	3863.5	3190.3	1059.2	859.3	983.4	1051.2	1031.6	921.3	865.1	805.3	804.2
42.5°	4024.3	3179.9	875.4	847.8	991.4	1077.6	965.0	863.9	747.9	721.5	719.2
45°	4231.1	3163.8	783.5	845.5	1011.0	1098.3	958.1	784.6	705.4	693.9	693.9
47.5°	4480.4	3138.6	742.1	845.5	1032.8	1089.1	937.4	767.4	685.8	698.5	706.5
50°	4766.4	3106.4	720.3	843.2	1054.6	1089.1	893.8	764.0	681.2	746.7	773.2
52.5°	5072.0	3069.6	705.4	834.0	1069.5	1090.2	896.1	775.4	685.8	758.2	780.0
55°	5409.8	3063.9	684.7	814.5	1074.1	1060.4	901.8	800.7	692.7	687.0	688.1
57.5°	5836.0	3132.8	669.8	785.8	1055.8	999.5	913.3	819.1	684.7	685.8	693.9
60°	6281.7	3262.6	682.4	758.2	1017.8	942.0	921.3	809.9	645.6	627.3	629.5
62.5°	6660.8	3361.4	692.7	745.6	962.7	891.5	913.3	789.2	623.8	619.2	629.5
65°	6819.4	3279.9	667.5	719.2	882.3	829.4	896.1	762.8	605.4	588.2	589.3
67.5°	6643.6	2897.3	618.1	660.6	791.5	750.2	868.5	728.3	580.2	559.5	554.9
70°	5675.1	2128.8	533.0	567.5	681.2	657.1	826.0	683.5	539.9	525.0	514.7
72.5°	4573.4	1507.2	442.3	451.5	534.2	553.7	752.5	627.3	494.0	451.5	436.5
75°	3183.4	946.6	368.8	359.6	386.0	422.8	587.0	520.4	426.2	381.4	367.6
77.5°	1369.4	485.9	288.4	283.8	257.3	292.9	450.3	434.3	357.3	305.6	297.5
80°	458.4	281.5	207.9	199.9	171.2	205.6	317.1	346.9	280.3	226.3	212.5
82.5°	229.8	163.1	132.1	119.5	114.9	129.8	187.3	216.0	194.1	156.2	132.1
85°	112.6	93.1	72.4	71.2	59.7	56.3	78.1	91.9	87.3	64.3	60.9
87.5°	41.4	36.8	23.0	18.4	11.5	8.0	4.6	4.6	3.4	3.4	3.4
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)