

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: P634763

Luminaire Tested: GWS-SA3C-735-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634763
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-SA3C-735-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13986.6 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

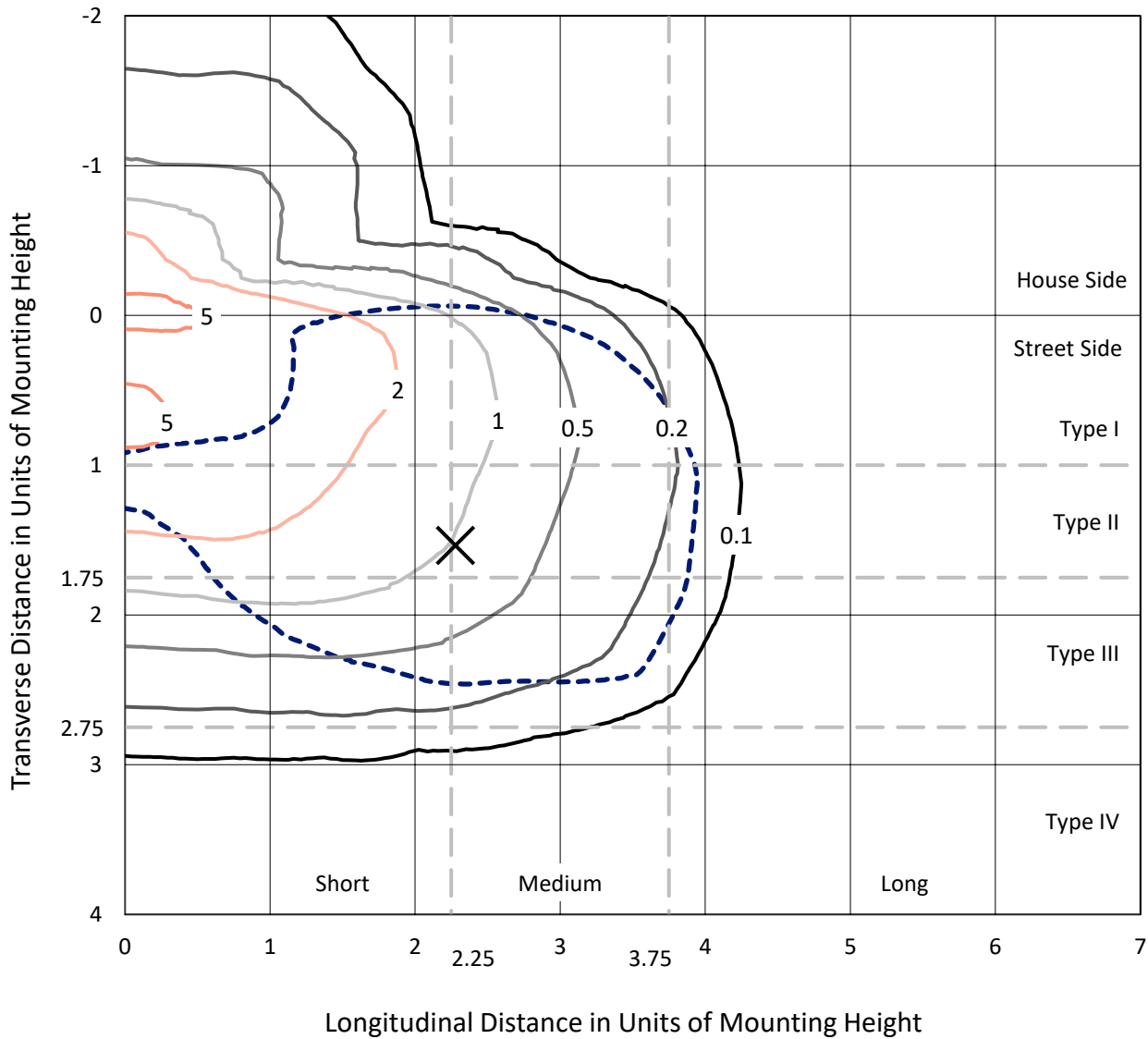
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

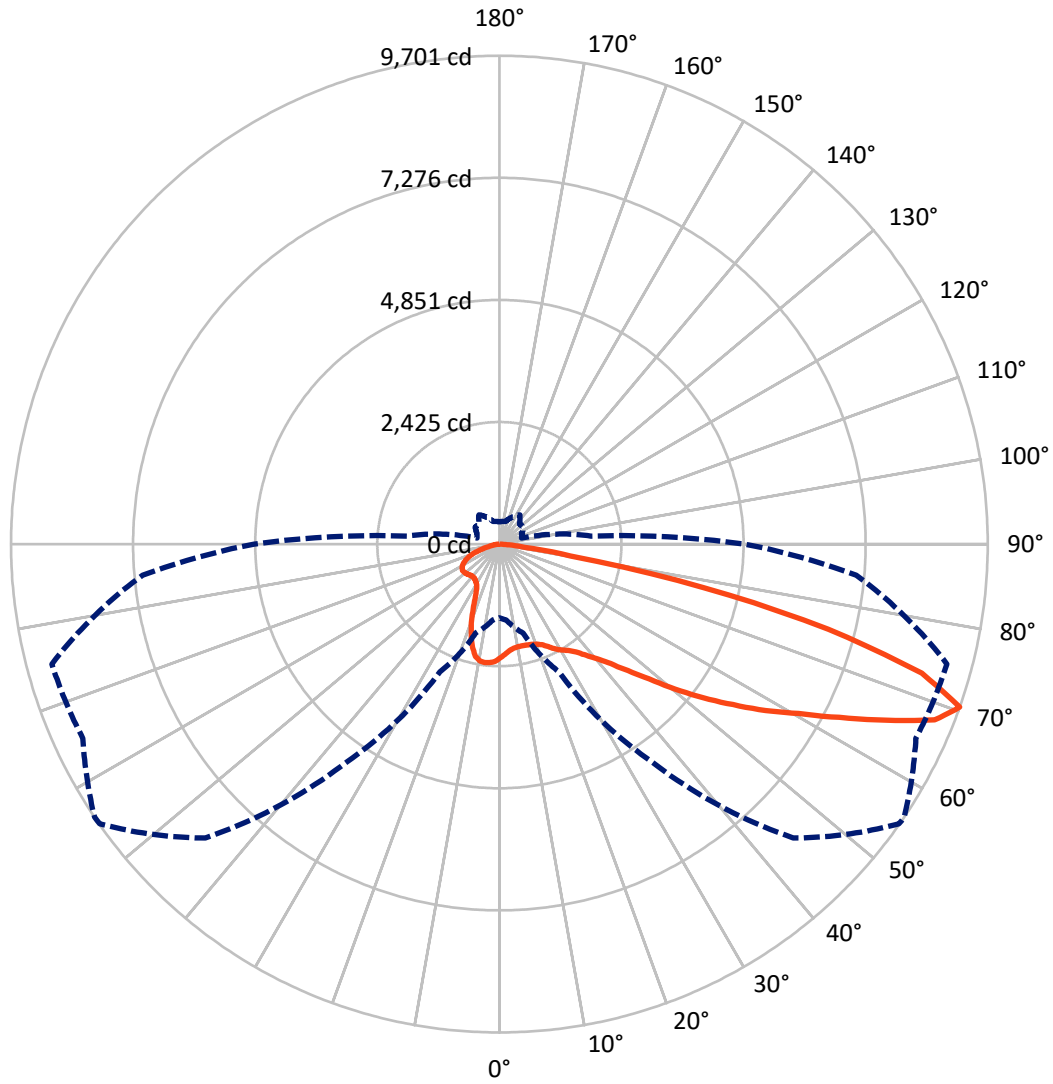
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2688.9	0.0	2688.9
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	11297.6	0.0	11297.6
	% Fixture	80.8	0.0	80.8
Total	Lumens	13986.6	0.0	13986.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.9	1.5
10°-20°	566.1	4.0
20°-30°	935.9	6.7
30°-40°	1399.3	10.0
40°-50°	2082.3	14.9
50°-60°	2960.4	21.2
60°-70°	3666.6	26.2
70°-80°	2024.6	14.5
80°-90°	142.6	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°	13986.6	100.0
0°-180°	13986.6	100.0

Coefficient of Utilization



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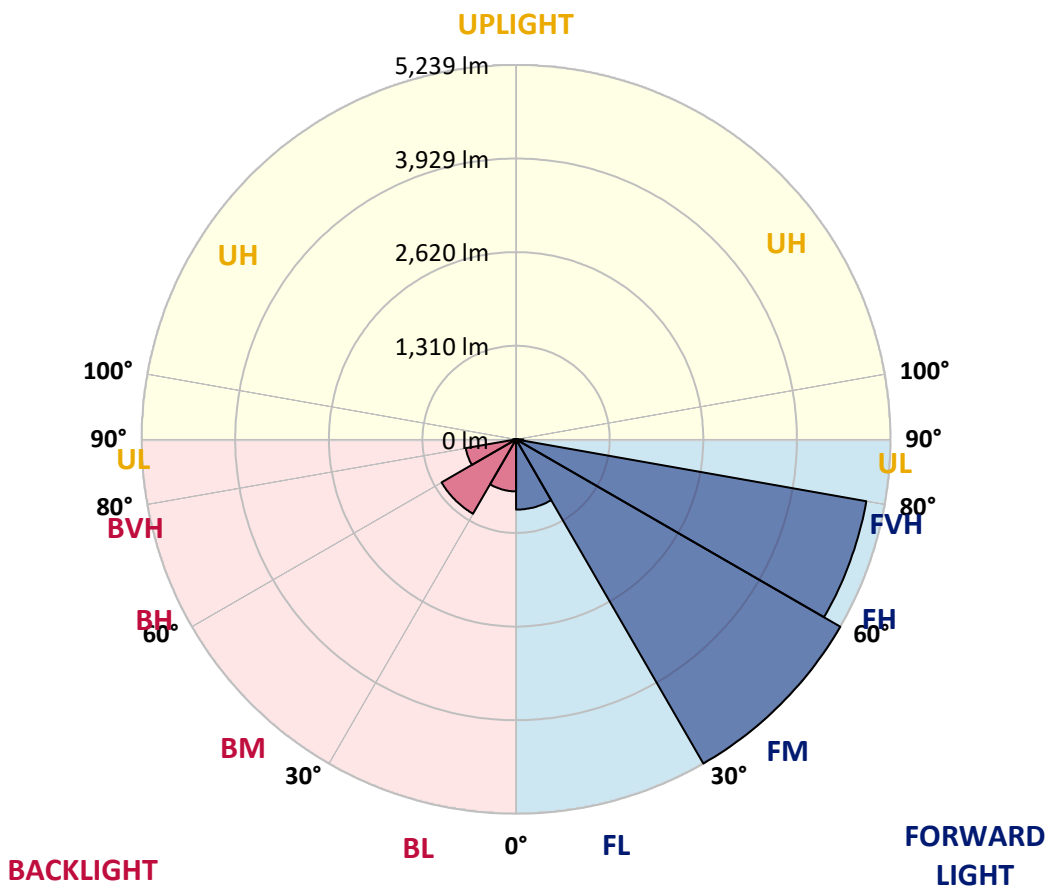
CATALOG NUMBER: GWS-SA3C-735-U-T3R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	983.0	7.0			
FM (30°-60°)	5239.2	37.5			
FH (60°-80°)	4976.4	35.6			G2/5000
FVH (80°-90°)	99.1	0.7			G1/100
BL (0°-30°)	727.9	5.2	B2/1000		
BM (30°-60°)	1202.8	8.6	B2/2500		
BH (60°-80°)	714.7	5.1	B2/1000		G2/1000
BVH (80°-90°)	43.5	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-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2257.7	2257.7	2257.7	2257.7	2257.7	2257.7	2257.7	2257.7	2257.7	2257.7	2257.7
2.5°	2112.7	2100.8	2114.6	2121.5	2139.3	2164.9	2187.6	2188.6	2200.4	2229.0	2256.7
5°	2017.0	2011.1	2015.0	2035.7	2054.5	2087.0	2121.5	2124.5	2158.0	2214.3	2269.5
7.5°	1943.0	1935.1	1949.9	1976.6	2000.2	2036.7	2082.1	2086.0	2133.4	2218.2	2303.0
10°	1836.5	1830.6	1858.2	1893.7	1945.0	2005.2	2065.3	2070.3	2132.4	2243.8	2362.2
12.5°	1790.1	1790.1	1802.0	1835.5	1891.7	1971.6	2062.4	2070.3	2148.2	2283.3	2438.1
15°	1862.1	1867.1	1857.2	1855.2	1877.9	1953.9	2066.3	2078.1	2177.8	2323.7	2513.1
17.5°	2007.1	2012.1	1986.4	1946.0	1923.3	1970.6	2081.1	2093.9	2209.3	2368.1	2594.0
20°	2210.3	2216.2	2160.0	2097.9	2020.0	2019.0	2109.7	2121.5	2249.8	2416.4	2679.8
22.5°	2448.0	2452.0	2380.9	2282.3	2163.0	2108.7	2159.0	2170.9	2302.0	2483.5	2772.5
25°	2723.2	2735.0	2649.2	2506.2	2344.4	2232.0	2240.9	2254.7	2395.7	2573.3	2882.0
27.5°	3017.1	3031.9	2933.3	2775.5	2552.6	2368.1	2346.4	2358.3	2495.4	2628.5	2940.2
30°	3317.9	3328.8	3230.1	3049.7	2776.4	2522.0	2435.2	2442.1	2538.7	2655.1	2999.4
32.5°	3652.3	3643.4	3548.7	3340.6	3034.9	2706.4	2518.0	2516.1	2587.1	2708.4	3084.2
35°	3965.9	3978.8	3878.2	3648.3	3318.9	2934.3	2642.3	2634.4	2689.7	2795.2	3203.5
37.5°	4345.7	4341.7	4221.4	3972.8	3604.0	3152.2	2816.9	2803.1	2822.8	2930.3	3370.2
40°	4616.9	4644.5	4566.6	4334.8	3937.3	3420.5	3021.1	2990.5	2995.4	3097.0	3593.1
42.5°	4838.8	4864.5	4872.3	4724.4	4319.0	3751.9	3275.5	3244.9	3247.9	3391.9	3867.3
45°	5009.4	5044.0	5155.4	5112.0	4749.1	4134.6	3619.7	3588.2	3590.2	3749.9	4198.7
47.5°	5079.5	5117.0	5342.8	5446.4	5205.7	4592.2	4047.8	4001.4	4008.3	4184.9	4577.4
50°	5056.8	5107.1	5412.8	5703.8	5588.4	5057.8	4559.7	4527.1	4500.5	4756.9	4988.7
52.5°	4861.5	4916.7	5405.9	5867.5	5901.1	5497.7	5088.3	5069.6	5063.7	5364.5	5448.3
55°	4286.5	4379.2	5168.2	5910.9	6145.7	5911.9	5661.4	5629.8	5660.4	6015.5	5912.9
57.5°	3967.9	4036.9	4702.7	5862.6	6345.9	6306.4	6233.4	6236.4	6270.9	6722.7	6476.1
60°	3786.4	3867.3	4444.3	5730.4	6538.2	6785.8	6832.1	6832.1	6894.3	7485.1	7048.1
62.5°	3545.8	3627.6	4202.6	5476.0	6715.8	7349.9	7584.7	7581.7	7606.4	8302.7	7607.4
65°	3057.5	3133.5	3717.4	5074.5	6802.5	7971.3	8439.8	8430.9	8381.6	9030.6	7977.2
67.5°	2220.2	2292.2	2847.5	4311.1	6489.9	8472.4	9320.6	9324.5	9029.6	9489.2	7997.0
70°	1463.7	1513.0	1830.6	2800.1	5277.7	8256.4	9689.5	9701.3	9129.2	9203.2	7117.2
72.5°	913.3	947.8	1143.1	1669.8	3118.7	6535.3	8742.6	8775.2	8213.0	8087.7	5847.8
75°	606.6	630.2	760.4	973.5	1443.0	3536.9	6645.7	6750.3	6582.6	6340.0	4074.4
77.5°	364.9	384.7	484.3	618.4	639.1	1381.8	3879.1	4149.4	4173.1	3310.0	1706.3
80°	166.7	189.4	267.3	353.1	340.3	481.3	1368.0	1431.1	1688.6	1051.4	538.5
82.5°	98.6	108.5	177.5	175.6	145.0	233.8	492.2	505.0	429.0	384.7	229.8
85°	39.5	46.4	75.0	66.1	53.3	75.9	185.4	194.3	186.4	167.7	84.8
87.5°	0.0	0.0	0.0	0.0	1.0	2.0	16.8	17.8	25.6	46.4	25.6
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°	2257.7	2257.7	2257.7	2257.7	2257.7	2257.7	2257.7	2257.7	2257.7	2257.7	2257.7
2.5°	2274.4	2268.5	2298.1	2320.8	2330.6	2340.5	2331.6	2328.7	2328.7	2308.9	2299.1
5°	2299.1	2302.0	2342.5	2361.2	2361.2	2353.3	2329.7	2312.9	2307.0	2281.3	2274.4
7.5°	2345.4	2358.3	2395.7	2394.7	2367.1	2323.7	2264.6	2219.2	2177.8	2160.0	2149.2
10°	2421.4	2438.1	2463.8	2422.4	2345.4	2231.0	2105.8	2007.1	1948.0	1900.6	1900.6
12.5°	2508.2	2524.0	2519.0	2423.4	2264.6	2050.5	1870.0	1756.6	1673.8	1630.4	1630.4
15°	2595.0	2607.8	2554.5	2378.0	2095.9	1810.9	1613.6	1477.5	1405.5	1365.0	1365.0
17.5°	2682.7	2681.8	2569.3	2273.4	1876.0	1545.5	1352.2	1246.7	1222.0	1215.1	1214.1
20°	2767.6	2744.9	2550.6	2098.9	1620.5	1278.3	1155.9	1162.9	1199.3	1215.1	1217.1
22.5°	2863.2	2807.0	2495.4	1876.0	1330.5	1092.8	1100.7	1157.9	1211.2	1234.9	1237.8
25°	2960.9	2860.3	2402.6	1614.6	1087.9	1024.8	1085.9	1150.0	1210.2	1240.8	1243.7
27.5°	3000.3	2860.3	2244.8	1311.8	958.7	996.2	1063.2	1125.4	1188.5	1224.0	1230.9
30°	3032.9	2835.6	2023.9	1038.6	905.4	968.6	1026.7	1083.9	1146.1	1189.5	1197.4
32.5°	3078.3	2813.9	1756.6	872.9	880.8	941.9	982.4	1030.7	1086.9	1115.5	1112.6
35°	3131.5	2780.4	1434.1	794.0	860.1	919.2	947.8	976.4	950.8	949.8	952.8
37.5°	3207.5	2750.8	1153.0	758.5	846.2	903.5	927.1	866.0	830.5	815.7	809.8
40°	3316.9	2739.0	909.4	737.8	844.3	902.5	885.7	791.0	742.7	691.4	690.4
42.5°	3455.0	2730.1	751.6	727.9	851.2	925.2	828.5	741.7	642.1	619.4	617.4
45°	3632.6	2716.3	672.7	725.9	867.9	942.9	822.6	673.6	605.6	595.7	595.7
47.5°	3846.6	2694.6	637.2	725.9	886.7	935.0	804.8	658.9	588.8	599.7	606.6
50°	4092.2	2667.0	618.4	723.9	905.4	935.0	767.3	655.9	584.9	641.1	663.8
52.5°	4354.5	2635.4	605.6	716.1	918.3	936.0	769.3	665.8	588.8	651.0	669.7
55°	4644.5	2630.5	587.8	699.3	922.2	910.4	774.2	687.5	594.7	589.8	590.8
57.5°	5010.4	2689.7	575.0	674.6	906.4	858.1	784.1	703.2	587.8	588.8	595.7
60°	5393.1	2801.1	585.9	651.0	873.9	808.8	791.0	695.3	554.3	538.5	540.5
62.5°	5718.6	2885.9	594.7	640.1	826.5	765.4	784.1	677.6	535.6	531.6	540.5
65°	5854.7	2815.9	573.0	617.4	757.5	712.1	769.3	654.9	519.8	505.0	506.0
67.5°	5703.8	2487.5	530.6	567.1	679.6	644.1	745.6	625.3	498.1	480.3	476.4
70°	4872.3	1827.6	457.6	487.2	584.9	564.2	709.2	586.9	463.6	450.7	441.9
72.5°	3926.5	1294.0	379.7	387.6	458.6	475.4	646.0	538.5	424.1	387.6	374.8
75°	2733.1	812.7	316.6	308.7	331.4	363.0	504.0	446.8	365.9	327.5	315.6
77.5°	1175.7	417.2	247.6	243.6	220.9	251.5	386.6	372.8	306.7	262.4	255.5
80°	393.5	241.6	178.5	171.6	147.0	176.5	272.2	297.9	240.7	194.3	182.5
82.5°	197.3	140.1	113.4	102.6	98.6	111.5	160.8	185.4	166.7	134.1	113.4
85°	96.7	79.9	62.1	61.2	51.3	48.3	67.1	78.9	75.0	55.2	52.3
87.5°	35.5	31.6	19.7	15.8	9.9	6.9	3.9	3.9	3.0	3.0	3.0
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)