

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: P633443

Luminaire Tested: GWS-SA2E-760-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633443
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-SA2E-760-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14965.1 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - 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

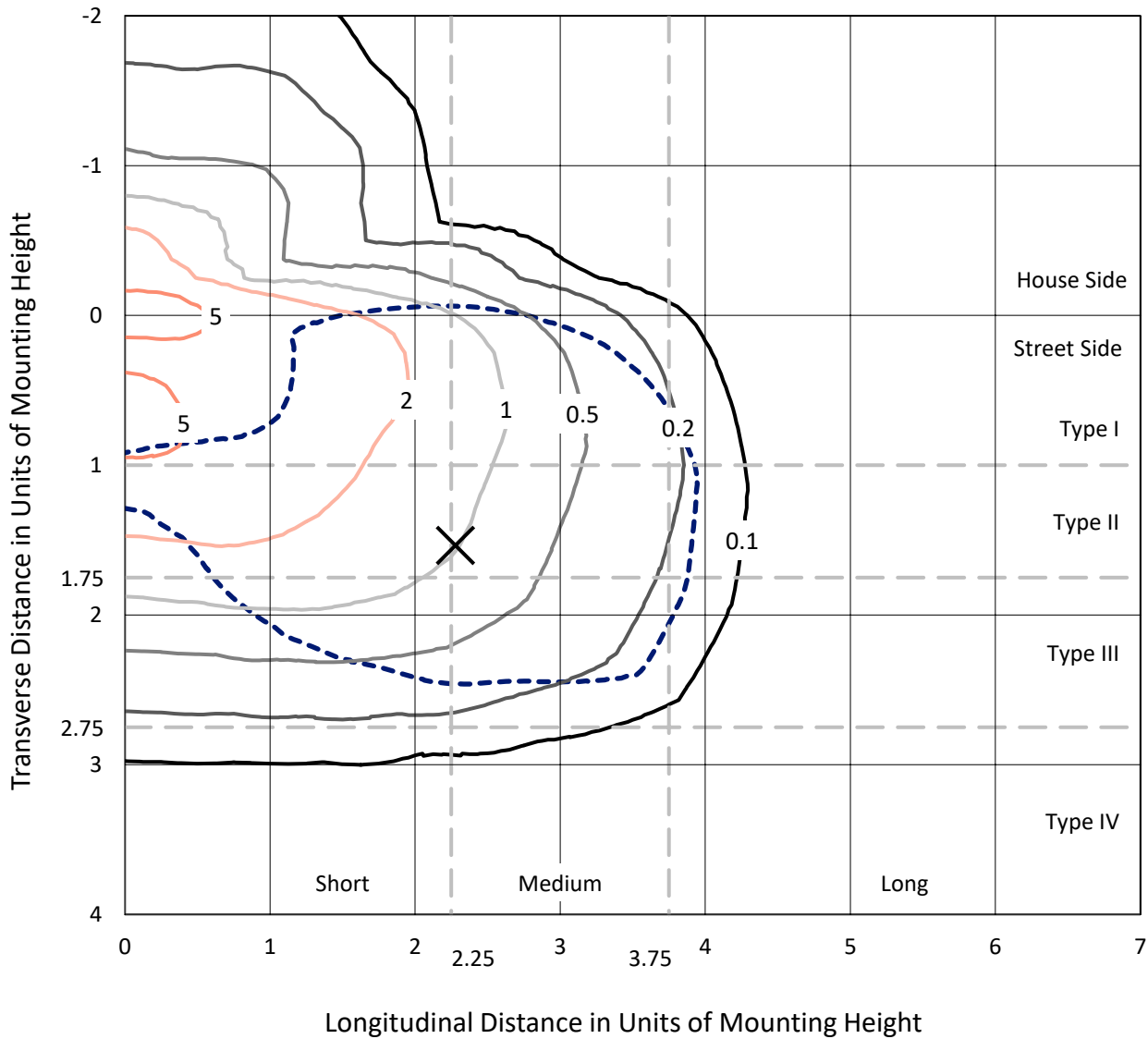


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Iso-Footcandle Lines of Horizontal Illumination

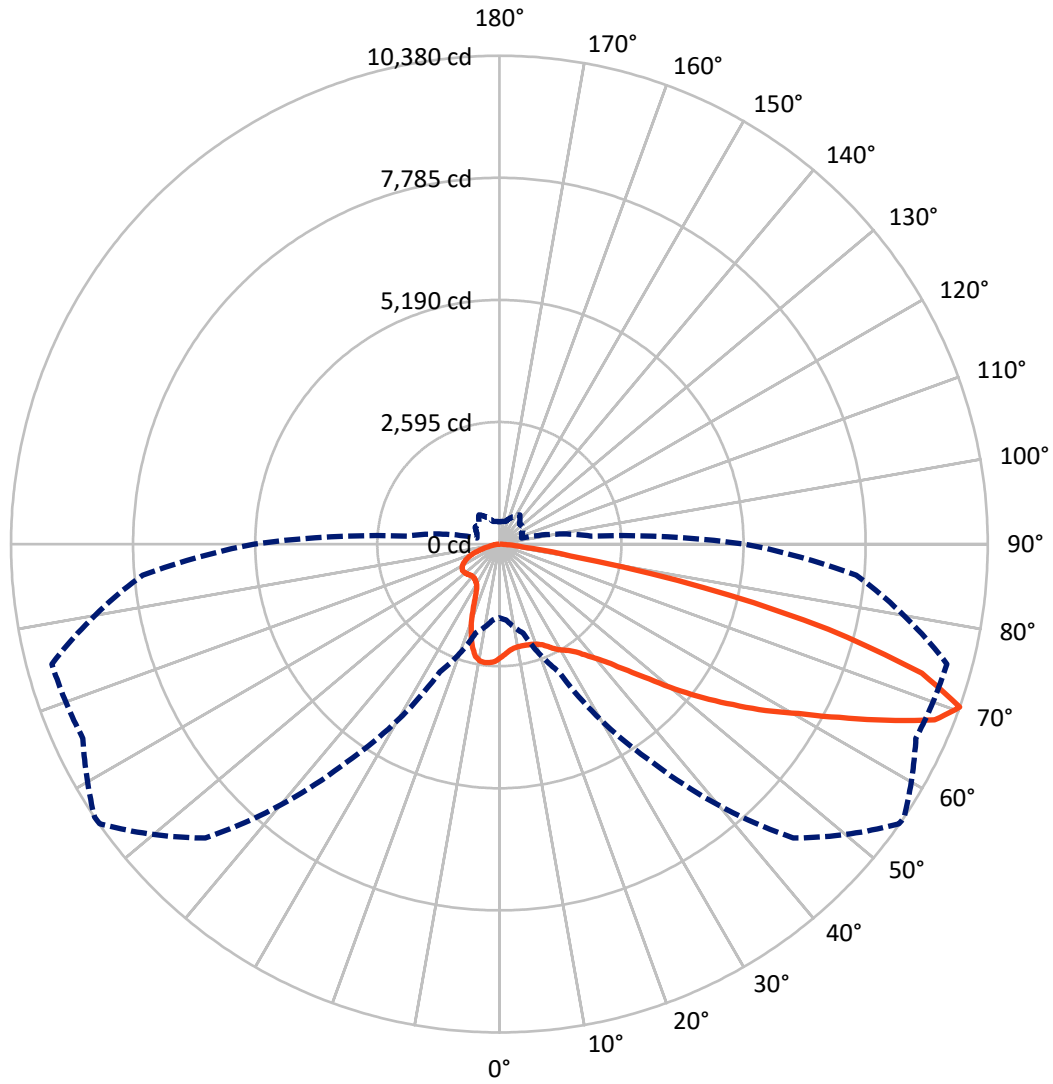
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.3 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	2877.1	0.0	2877.1
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	12088.0	0.0	12088.0
	% Fixture	80.8	0.0	80.8
Total	Lumens	14965.1	0.0	14965.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.5	1.5
10°-20°	605.7	4.0
20°-30°	1001.4	6.7
30°-40°	1497.2	10.0
40°-50°	2228.0	14.9
50°-60°	3167.5	21.2
60°-70°	3923.1	26.2
70°-80°	2166.2	14.5
80°-90°	152.6	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°	14965.1	100.0
0°-180°	14965.1	100.0

Coefficient of Utilization



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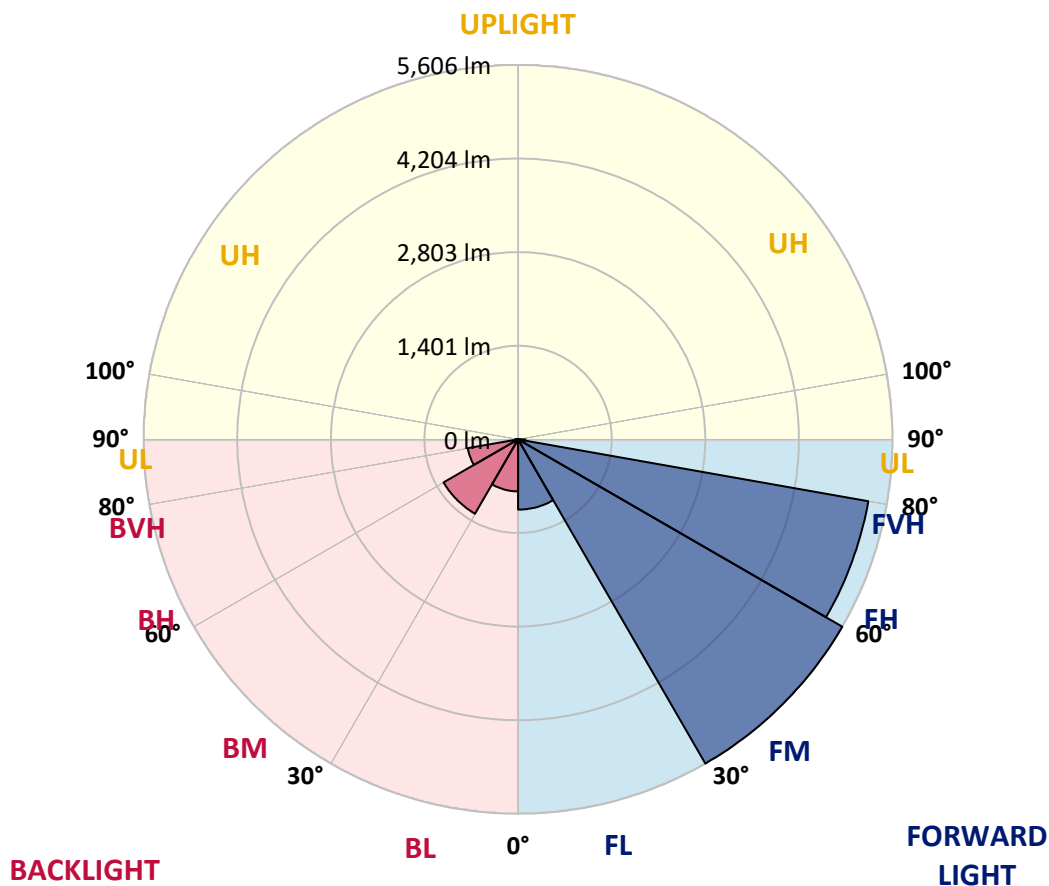
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1051.7	7.0			
FM (30°-60°)	5605.7	37.5			
FH (60°-80°)	5324.6	35.6			G3/7500
FVH (80°-90°)	106.0	0.7			G2/225
BL (0°-30°)	778.8	5.2	B2/1000		
BM (30°-60°)	1287.0	8.6	B2/2500		
BH (60°-80°)	764.7	5.1	B2/1000		G2/1000
BVH (80°-90°)	46.5	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-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2415.6	2415.6	2415.6	2415.6	2415.6	2415.6	2415.6	2415.6	2415.6	2415.6	2415.6
2.5°	2260.5	2247.8	2262.6	2270.0	2289.0	2316.4	2340.7	2341.7	2354.4	2385.0	2414.5
5°	2158.1	2151.8	2156.0	2178.2	2198.2	2233.0	2270.0	2273.1	2309.0	2369.2	2428.3
7.5°	2079.0	2070.5	2086.3	2114.8	2140.2	2179.2	2227.8	2232.0	2282.6	2373.4	2464.1
10°	1965.0	1958.6	1988.2	2026.2	2081.1	2145.4	2209.8	2215.1	2281.6	2400.8	2527.5
12.5°	1915.4	1915.4	1928.0	1963.9	2024.1	2109.6	2206.6	2215.1	2298.5	2443.0	2608.7
15°	1992.4	1997.7	1987.1	1985.0	2009.3	2090.6	2210.9	2223.5	2330.1	2486.3	2688.9
17.5°	2147.5	2152.8	2125.4	2082.1	2057.8	2108.5	2226.7	2240.4	2363.9	2533.8	2775.5
20°	2364.9	2371.3	2311.1	2244.6	2161.3	2160.2	2257.3	2270.0	2407.2	2585.5	2867.3
22.5°	2619.3	2623.5	2547.5	2442.0	2314.3	2256.2	2310.1	2322.7	2463.1	2657.3	2966.5
25°	2913.7	2926.4	2834.6	2681.5	2508.5	2388.2	2397.7	2412.4	2563.3	2753.3	3083.6
27.5°	3228.2	3244.0	3138.5	2969.6	2731.1	2533.8	2510.6	2523.2	2669.9	2812.4	3145.9
30°	3550.1	3561.7	3456.1	3263.0	2970.7	2698.4	2605.6	2612.9	2716.4	2840.9	3209.2
32.5°	3907.8	3898.3	3797.0	3574.3	3247.2	2895.8	2694.2	2692.1	2768.1	2897.9	3299.9
35°	4243.4	4257.1	4149.5	3903.6	3551.1	3139.5	2827.2	2818.7	2877.8	2990.7	3427.6
37.5°	4649.7	4645.5	4516.7	4250.8	3856.1	3372.8	3014.0	2999.2	3020.3	3135.3	3606.0
40°	4939.9	4969.4	4886.1	4638.1	4212.8	3659.8	3232.4	3199.7	3205.0	3313.7	3844.5
42.5°	5177.3	5204.8	5213.2	5054.9	4621.2	4014.4	3504.7	3472.0	3475.1	3629.2	4137.9
45°	5359.9	5396.8	5516.1	5469.7	5081.3	4423.8	3873.0	3839.2	3841.3	4012.3	4492.4
47.5°	5434.8	5474.9	5716.6	5827.4	5569.9	4913.5	4331.0	4281.4	4288.8	4477.7	4897.7
50°	5410.6	5464.4	5791.5	6102.8	5979.4	5411.6	4878.7	4843.9	4815.4	5089.7	5337.7
52.5°	5201.6	5260.7	5784.1	6278.0	6313.9	5882.3	5444.3	5424.3	5417.9	5739.8	5829.5
55°	4586.4	4685.6	5529.8	6324.5	6575.6	6325.5	6057.5	6023.7	6056.4	6436.3	6326.6
57.5°	4245.5	4319.4	5031.7	6272.7	6789.8	6747.6	6669.5	6672.7	6709.6	7193.0	6929.1
60°	4051.3	4137.9	4755.2	6131.3	6995.6	7260.5	7310.1	7310.1	7376.6	8008.7	7541.2
62.5°	3793.8	3881.4	4496.7	5859.1	7185.6	7864.1	8115.3	8112.1	8138.5	8883.6	8139.6
65°	3271.5	3352.7	3977.5	5429.6	7278.5	8529.0	9030.3	9020.8	8968.0	9662.4	8535.3
67.5°	2375.5	2452.5	3046.7	4612.7	6943.9	9065.1	9972.6	9976.9	9661.3	10153.1	8556.4
70°	1566.1	1618.8	1958.6	2996.0	5646.9	8834.0	10367.3	10380.0	9767.9	9847.1	7615.1
72.5°	977.2	1014.1	1223.1	1786.6	3336.9	6992.5	9354.2	9389.1	8787.5	8653.5	6256.9
75°	649.0	674.3	813.6	1041.6	1543.9	3784.3	7110.7	7222.5	7043.1	6783.5	4359.5
77.5°	390.5	411.6	518.2	661.7	683.8	1478.5	4150.5	4439.7	4465.0	3541.6	1825.7
80°	178.3	202.6	286.0	377.8	364.1	515.0	1463.7	1531.3	1806.7	1125.0	576.2
82.5°	105.5	116.1	190.0	187.8	155.1	250.1	526.6	540.3	459.1	411.6	245.9
85°	42.2	49.6	80.2	70.7	57.0	81.3	198.4	207.9	199.5	179.4	90.8
87.5°	0.0	0.0	0.0	0.0	1.1	2.1	17.9	19.0	27.4	49.6	27.4
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°	2415.6	2415.6	2415.6	2415.6	2415.6	2415.6	2415.6	2415.6	2415.6	2415.6	2415.6
2.5°	2433.5	2427.2	2458.9	2483.1	2493.7	2504.2	2494.7	2491.6	2491.6	2470.5	2459.9
5°	2459.9	2463.1	2506.4	2526.4	2526.4	2518.0	2492.6	2474.7	2468.4	2440.9	2433.5
7.5°	2509.5	2523.2	2563.3	2562.3	2532.7	2486.3	2423.0	2374.4	2330.1	2311.1	2299.5
10°	2590.8	2608.7	2636.2	2591.8	2509.5	2387.1	2253.1	2147.5	2084.2	2033.6	2033.6
12.5°	2683.6	2700.5	2695.3	2592.9	2423.0	2194.0	2000.9	1879.5	1790.9	1744.4	1744.4
15°	2776.5	2790.2	2733.2	2544.3	2242.5	1937.5	1726.5	1580.8	1503.8	1460.5	1460.5
17.5°	2870.4	2869.4	2749.1	2432.5	2007.2	1653.7	1446.8	1333.9	1307.5	1300.1	1299.1
20°	2961.2	2936.9	2729.0	2245.7	1733.9	1367.7	1236.8	1244.2	1283.3	1300.1	1302.2
22.5°	3063.6	3003.4	2669.9	2007.2	1423.6	1169.3	1177.7	1238.9	1295.9	1321.2	1324.4
25°	3168.0	3060.4	2570.7	1727.5	1164.0	1096.5	1161.9	1230.5	1294.9	1327.6	1330.7
27.5°	3210.2	3060.4	2401.9	1403.6	1025.8	1065.9	1137.6	1204.1	1271.6	1309.6	1317.0
30°	3245.1	3034.0	2165.5	1111.2	968.8	1036.3	1098.6	1159.8	1226.3	1272.7	1281.1
32.5°	3293.6	3010.8	1879.5	933.9	942.4	1007.8	1051.1	1102.8	1162.9	1193.6	1190.4
35°	3350.6	2974.9	1534.4	849.5	920.2	983.5	1014.1	1044.8	1017.3	1016.3	1019.4
37.5°	3431.9	2943.3	1233.7	811.5	905.5	966.7	992.0	926.6	888.6	872.7	866.4
40°	3549.0	2930.6	973.0	789.4	903.3	965.6	947.7	846.4	794.6	739.8	738.7
42.5°	3696.7	2921.1	804.1	778.8	910.7	989.9	886.5	793.6	687.0	662.7	660.6
45°	3886.7	2906.3	719.7	776.7	928.7	1008.9	880.1	720.8	648.0	637.4	637.4
47.5°	4115.7	2883.1	681.7	776.7	948.7	1000.4	861.1	704.9	630.0	641.6	649.0
50°	4378.5	2853.5	661.7	774.6	968.8	1000.4	821.0	701.8	625.8	685.9	710.2
52.5°	4659.2	2819.8	648.0	766.2	982.5	1001.5	823.1	712.3	630.0	696.5	716.6
55°	4969.4	2814.5	629.0	748.2	986.7	974.0	828.4	735.5	636.4	631.1	632.1
57.5°	5361.0	2877.8	615.2	721.8	969.8	918.1	839.0	752.4	629.0	630.0	637.4
60°	5770.4	2997.1	626.9	696.5	935.0	865.4	846.4	744.0	593.1	576.2	578.3
62.5°	6118.7	3087.8	636.4	684.9	884.3	818.9	839.0	725.0	573.0	568.8	578.3
65°	6264.3	3012.9	613.1	660.6	810.5	761.9	823.1	700.7	556.1	540.3	541.4
67.5°	6102.8	2661.5	567.8	606.8	727.1	689.1	797.8	669.1	532.9	513.9	509.7
70°	5213.2	1955.5	489.7	521.3	625.8	603.6	758.8	627.9	496.0	482.3	472.8
72.5°	4201.2	1384.6	406.3	414.7	490.7	508.7	691.2	576.2	453.8	414.7	401.0
75°	2924.3	869.6	338.8	330.3	354.6	388.4	539.3	478.1	391.5	350.4	337.7
77.5°	1257.9	446.4	264.9	260.7	236.4	269.1	413.7	398.9	328.2	280.7	273.3
80°	421.1	258.6	191.0	183.6	157.2	188.9	291.3	318.7	257.5	207.9	195.2
82.5°	211.1	149.9	121.4	109.8	105.5	119.2	172.0	198.4	178.3	143.5	121.4
85°	103.4	85.5	66.5	65.4	54.9	51.7	71.8	84.4	80.2	59.1	55.9
87.5°	38.0	33.8	21.1	16.9	10.6	7.4	4.2	4.2	3.2	3.2	3.2
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)