

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: P632756

Luminaire Tested: GWS-SA2D-735-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-735-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11283.7 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

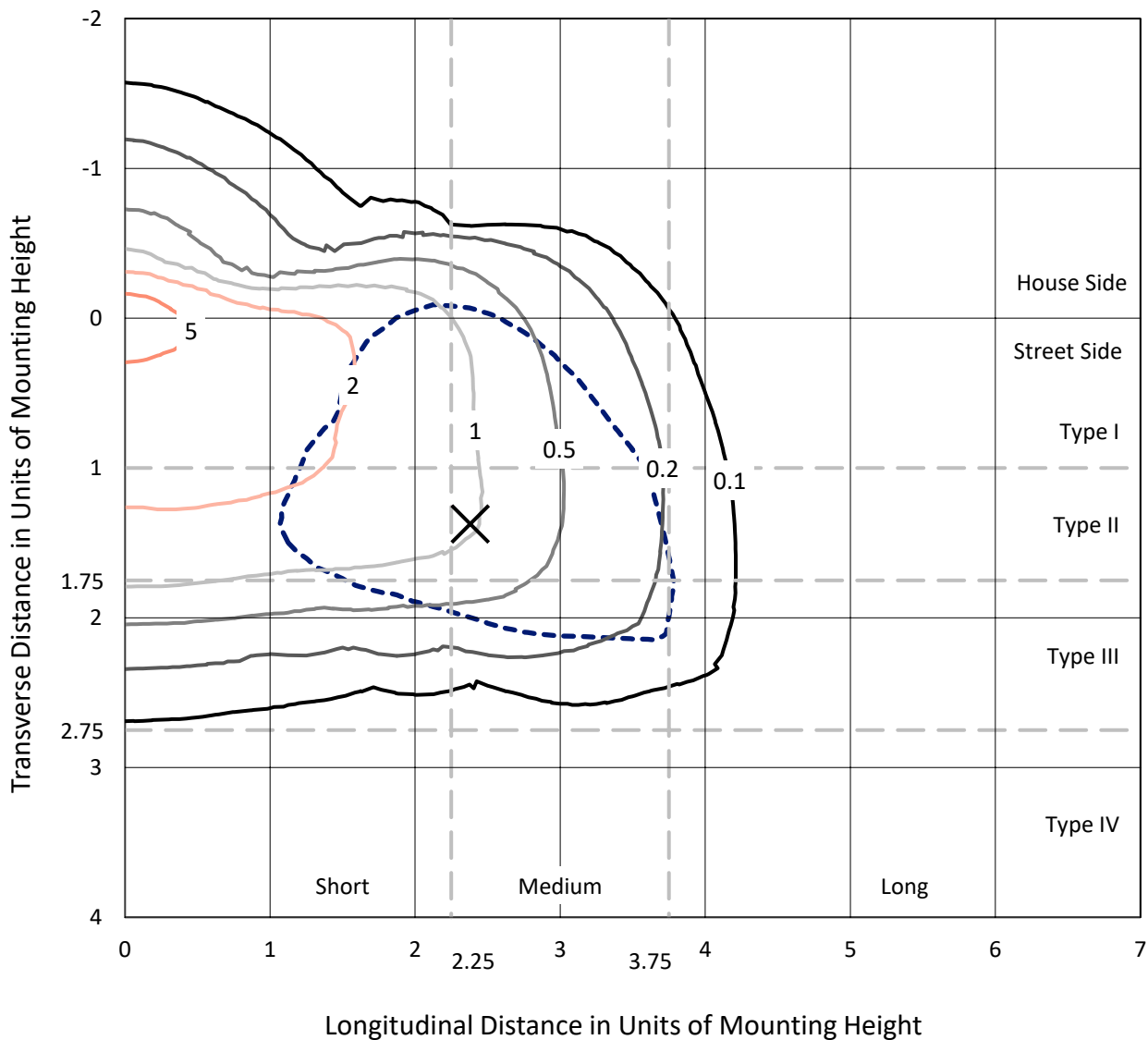
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

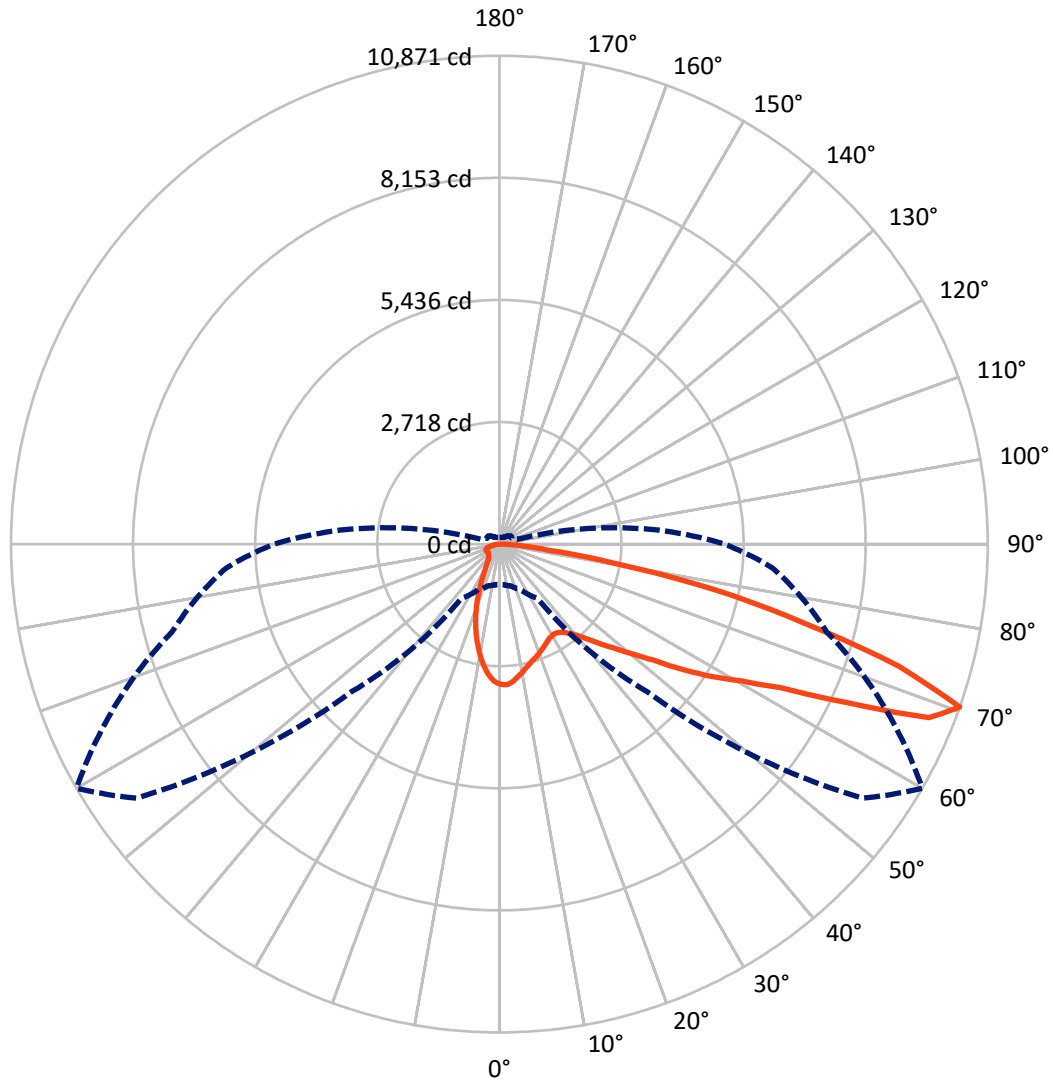
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1929.8	0.0	1929.8
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	9353.9	0.0	9353.9
	% Fixture	82.9	0.0	82.9
Total	Lumens	11283.7	0.0	11283.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.1	2.4
10°-20°	602.9	5.3
20°-30°	772.2	6.8
30°-40°	1014.8	9.0
40°-50°	1472.3	13.0
50°-60°	2297.2	20.4
60°-70°	3007.5	26.7
70°-80°	1663.0	14.7
80°-90°	184.6	1.6
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°	11283.7	100.0
0°-180°	11283.7	100.0

Coefficient of Utilization



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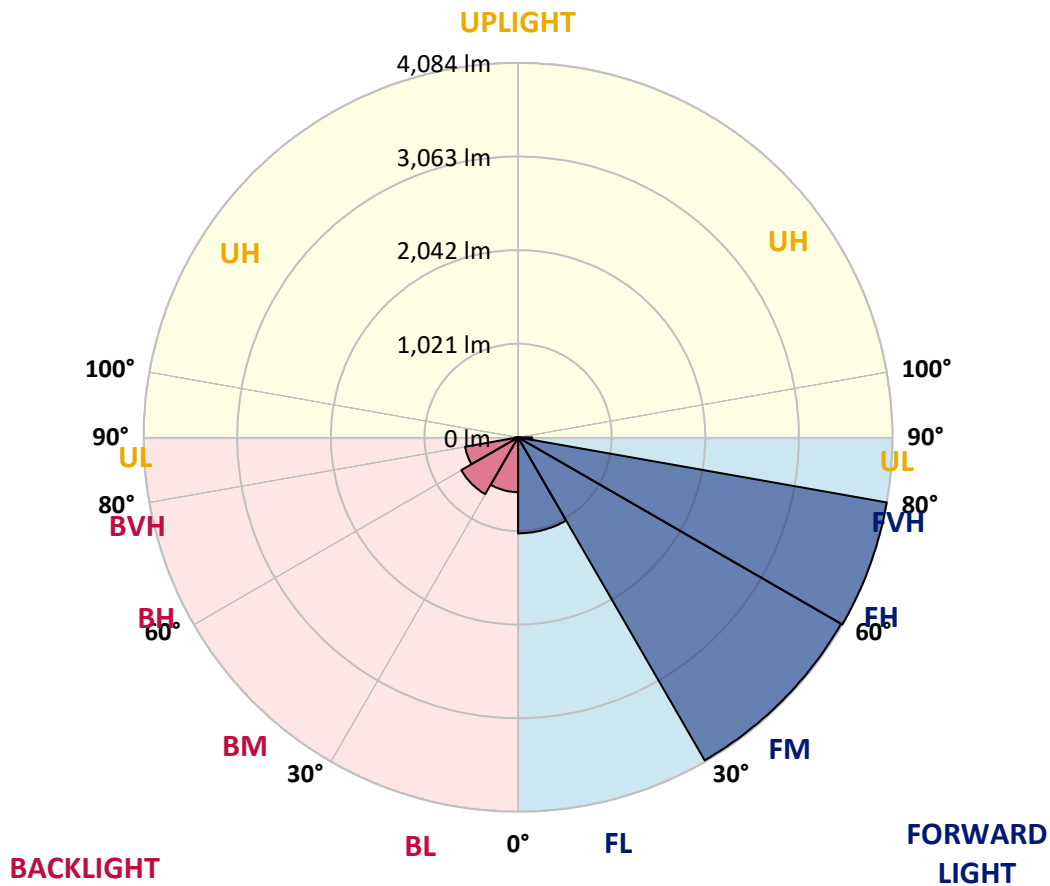
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1047.2	9.3			
FM (30°-60°)	4068.9	36.1			
FH (60°-80°)	4084.1	36.2			G2/5000
FVH (80°-90°)	153.8	1.4			G2/225
BL (0°-30°)	597.1	5.3	B2/1000		
BM (30°-60°)	715.5	6.3	B1/1000		
BH (60°-80°)	586.4	5.2	B2/1000		G2/1000
BVH (80°-90°)	30.8	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°	60°	65°	75°	85°
0°	3122.3	3122.3	3122.3	3122.3	3122.3	3122.3	3122.3	3122.3	3122.3	3122.3	3122.3
2.5°	3078.6	3081.9	3091.0	3104.2	3117.4	3124.0	3140.5	3135.6	3132.3	3125.6	3117.4
5°	2942.4	2949.0	2957.2	2982.8	3011.7	3034.8	3072.0	3076.1	3077.8	3081.1	3067.9
7.5°	2769.0	2770.6	2790.5	2824.3	2862.3	2901.9	2963.8	2981.2	2996.0	3012.5	3001.8
10°	2577.5	2581.6	2596.5	2645.2	2710.4	2769.0	2852.4	2881.3	2912.6	2949.0	2934.1
12.5°	2420.6	2421.4	2445.4	2497.4	2568.4	2647.6	2751.7	2786.3	2827.6	2884.6	2871.4
15°	2295.9	2295.9	2318.2	2362.8	2444.5	2537.8	2661.7	2706.3	2762.4	2839.2	2816.1
17.5°	2196.9	2197.7	2211.7	2258.8	2331.4	2434.6	2581.6	2641.9	2703.8	2805.3	2770.6
20°	2144.9	2140.7	2143.2	2172.1	2234.0	2333.9	2501.5	2571.7	2655.1	2782.2	2729.4
22.5°	2142.4	2135.0	2124.2	2126.7	2163.0	2245.6	2415.6	2500.7	2605.5	2763.2	2687.3
25°	2184.5	2176.2	2157.2	2135.8	2132.5	2182.0	2334.7	2431.3	2554.3	2755.0	2646.8
27.5°	2255.5	2249.7	2224.9	2192.7	2158.9	2157.2	2273.6	2374.4	2517.2	2763.2	2617.9
30°	2349.6	2339.7	2324.0	2282.7	2231.5	2178.7	2249.7	2343.8	2492.4	2789.6	2605.5
32.5°	2456.1	2450.3	2435.5	2394.2	2339.7	2255.5	2268.7	2350.4	2492.4	2835.9	2608.0
35°	2569.2	2568.4	2568.4	2541.1	2480.9	2376.0	2343.8	2406.6	2530.4	2910.2	2634.4
37.5°	2679.0	2678.2	2704.6	2714.5	2646.0	2532.9	2471.8	2518.8	2613.8	3020.0	2699.6
40°	2768.2	2771.5	2829.3	2878.8	2840.8	2736.0	2650.1	2674.1	2749.2	3176.0	2813.6
42.5°	2858.2	2867.2	2953.9	3041.4	3056.3	2965.5	2878.8	2892.8	2943.2	3382.4	2983.6
45°	2956.4	2960.5	3081.9	3204.1	3275.9	3222.2	3151.2	3170.2	3181.8	3637.5	3237.1
47.5°	3051.3	3062.1	3218.9	3386.5	3522.8	3517.8	3478.2	3472.4	3474.9	3947.9	3536.8
50°	3181.0	3196.6	3380.8	3583.0	3782.8	3874.4	3886.0	3842.3	3824.1	4293.0	3909.9
52.5°	3427.0	3427.0	3592.1	3791.1	4059.4	4286.4	4364.0	4292.2	4234.4	4657.9	4306.2
55°	3734.9	3748.1	3879.4	4040.4	4380.5	4719.8	4982.4	4903.1	4739.7	5055.0	4721.5
57.5°	3872.0	3888.5	4096.5	4346.7	4800.8	5212.7	5576.8	5548.7	5310.1	5467.8	5152.4
60°	3624.3	3659.0	3945.4	4364.8	5181.3	6007.8	6264.5	6182.8	5841.8	5901.3	5619.7
62.5°	3023.3	3061.3	3379.1	3964.4	5128.5	6867.2	7348.5	7047.2	6505.6	6448.6	6242.2
65°	1803.9	1802.2	2184.5	2960.5	4477.1	7105.8	9064.0	8501.8	7530.9	7199.9	6882.9
67.5°	1146.7	1144.3	1224.3	1568.6	2979.5	6521.3	10167.0	10313.2	8923.7	7752.2	6935.7
70°	904.8	904.0	961.8	1118.7	1473.7	4640.6	9859.9	10871.2	9765.0	7541.7	6106.8
72.5°	659.6	661.3	750.5	937.0	1136.8	2329.8	7984.2	9301.8	8981.5	6657.5	4957.6
75°	473.9	476.4	530.0	717.4	1048.5	1273.9	5309.3	6994.3	6833.3	5336.6	3410.5
77.5°	301.3	304.6	351.7	502.8	847.0	1028.7	3218.9	4937.8	4546.5	3006.8	1212.8
80°	184.1	194.8	234.5	374.8	677.0	771.9	1609.1	2601.4	2277.0	824.8	407.8
82.5°	94.9	103.2	141.2	232.0	466.5	677.8	910.6	1093.1	705.0	345.1	217.1
85°	29.7	34.7	49.5	94.1	222.1	420.2	602.7	543.2	323.6	162.6	100.7
87.5°	7.4	7.4	8.3	8.3	9.1	19.0	116.4	123.0	85.9	51.2	41.3
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°	3122.3	3122.3	3122.3	3122.3	3122.3	3122.3	3122.3	3122.3	3122.3	3122.3	3122.3
2.5°	3100.9	3081.1	3072.8	3072.0	3051.3	3021.6	3001.8	2987.8	2979.5	2977.9	2977.9
5°	3045.6	3020.0	2986.1	2960.5	2905.2	2849.1	2802.0	2775.6	2745.1	2740.9	2740.1
7.5°	2972.1	2934.9	2870.5	2798.7	2702.1	2608.8	2529.6	2475.9	2422.3	2412.3	2409.0
10°	2892.8	2842.5	2732.7	2606.4	2461.9	2322.4	2201.0	2106.1	2043.3	1998.7	1990.5
12.5°	2814.4	2747.5	2586.5	2398.3	2200.2	2009.5	1827.0	1671.8	1559.5	1494.3	1482.7
15°	2740.9	2647.6	2427.2	2187.0	1929.4	1668.5	1410.1	1208.6	1051.0	994.8	981.6
17.5°	2674.1	2557.6	2272.8	1968.2	1647.0	1306.1	1012.2	833.0	740.5	712.5	705.9
20°	2607.2	2465.2	2116.0	1737.8	1347.3	965.1	739.7	655.5	620.8	610.1	606.8
22.5°	2535.4	2363.6	1945.1	1510.8	1044.4	722.4	605.2	568.0	557.3	558.1	557.3
25°	2463.5	2260.4	1765.9	1264.0	777.7	586.2	528.4	514.3	516.8	524.2	525.9
27.5°	2404.1	2168.8	1590.1	993.2	607.6	504.4	477.2	476.4	485.4	495.3	497.0
30°	2361.2	2087.1	1416.7	763.7	500.3	448.3	437.6	442.5	453.2	460.7	463.2
32.5°	2330.6	2016.9	1231.8	600.2	438.4	408.7	403.7	408.7	415.3	422.7	424.3
35°	2319.9	1965.7	1050.1	489.6	396.3	379.8	376.5	378.9	382.2	386.4	388.0
37.5°	2343.8	1940.1	860.3	426.0	370.7	360.8	355.8	354.2	355.0	356.7	357.5
40°	2414.8	1951.7	705.0	388.8	354.2	345.1	336.8	333.5	332.7	334.4	333.5
42.5°	2537.0	2000.4	592.8	367.4	341.0	327.8	318.7	315.4	315.4	319.5	319.5
45°	2716.2	2096.1	511.9	351.7	329.4	312.9	303.0	301.3	304.6	311.2	312.1
47.5°	2978.7	2236.5	463.2	340.1	318.7	299.7	289.8	289.0	295.6	306.3	307.1
50°	3289.9	2438.8	436.7	331.9	311.2	289.0	279.0	279.9	287.3	298.9	301.3
52.5°	3664.8	2714.5	438.4	328.6	307.1	282.3	272.4	270.8	278.2	289.8	292.3
55°	4051.9	3049.7	470.6	329.4	301.3	279.0	265.8	260.1	266.7	274.9	275.7
57.5°	4477.9	3427.8	550.7	327.8	293.9	275.7	260.1	246.8	251.0	255.9	258.4
60°	4958.4	3872.8	723.2	331.1	290.6	268.3	248.5	231.2	230.3	233.6	234.5
62.5°	5600.7	4477.9	917.2	336.8	298.0	259.2	231.2	213.0	209.7	211.3	212.2
65°	6092.0	4766.9	856.1	331.9	313.7	252.6	214.7	195.7	189.1	187.4	187.4
67.5°	5892.2	4384.7	596.1	318.7	321.2	253.5	201.4	177.5	169.2	165.1	164.3
70°	5013.8	3561.6	414.4	305.5	312.9	251.8	187.4	162.6	151.9	146.1	145.3
72.5°	3961.1	2719.5	335.2	279.0	284.0	227.0	166.8	146.1	137.0	129.6	129.6
75°	2549.4	1659.4	279.9	248.5	232.0	176.7	144.5	130.4	121.4	113.9	113.9
77.5°	857.8	615.9	217.1	210.5	173.4	132.9	121.4	112.3	104.8	98.2	97.4
80°	348.4	292.3	159.3	159.3	121.4	101.5	94.9	90.8	85.9	77.6	77.6
82.5°	202.3	177.5	111.5	96.6	80.9	70.2	66.0	61.9	61.9	56.1	56.1
85°	97.4	98.2	66.9	59.4	46.2	40.5	38.8	36.3	35.5	32.2	31.4
87.5°	52.8	53.7	33.8	26.4	18.2	15.7	13.2	12.4	11.6	10.7	10.7
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)