

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: P634296

Luminaire Tested: GWS-SA3B-740-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634296
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-SA3B-740-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10191.6 lumens
Efficiency: N/A
Efficacy: 149.2 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): 68.3
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

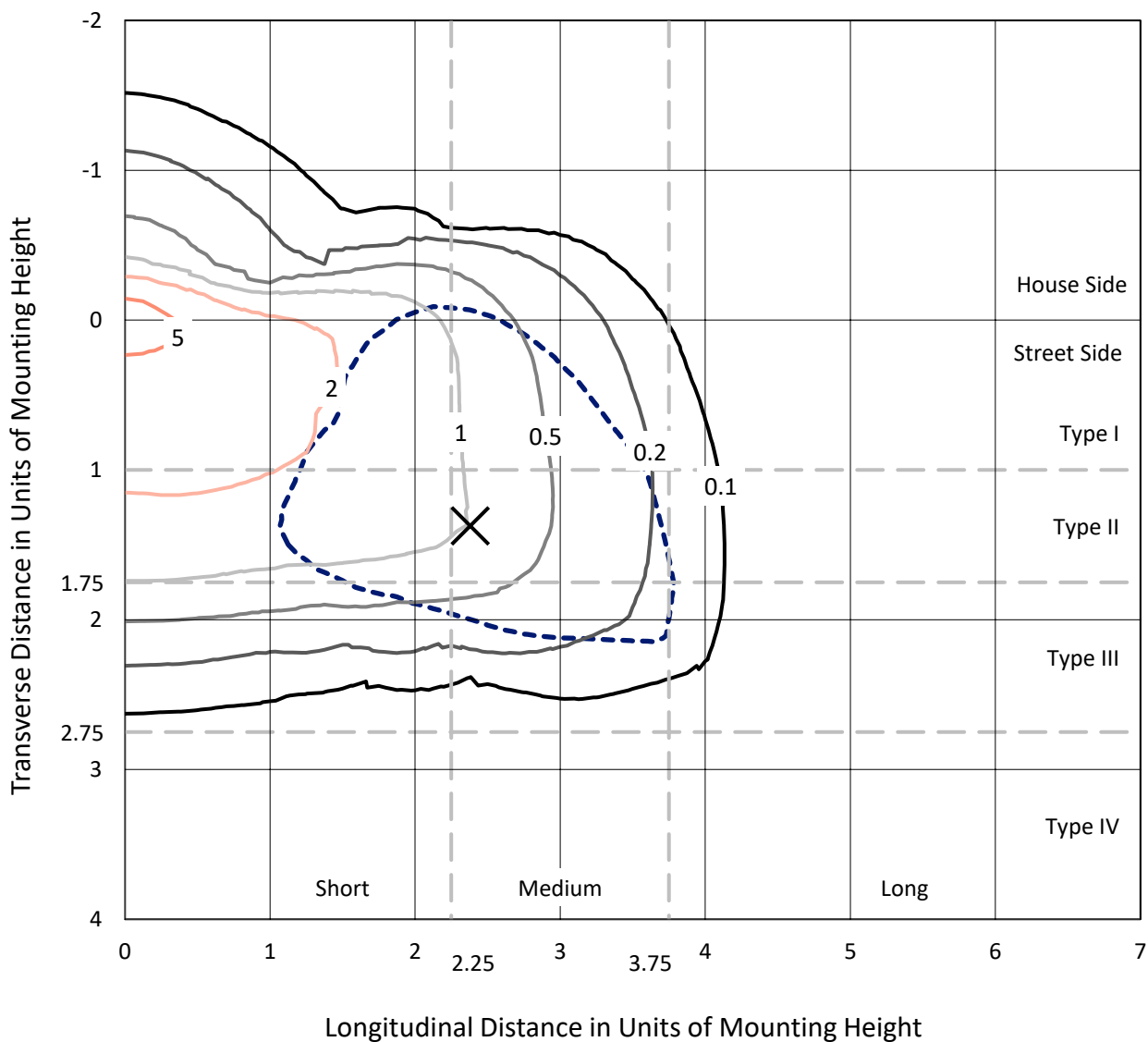


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Iso-Footcandle Lines of Horizontal Illumination

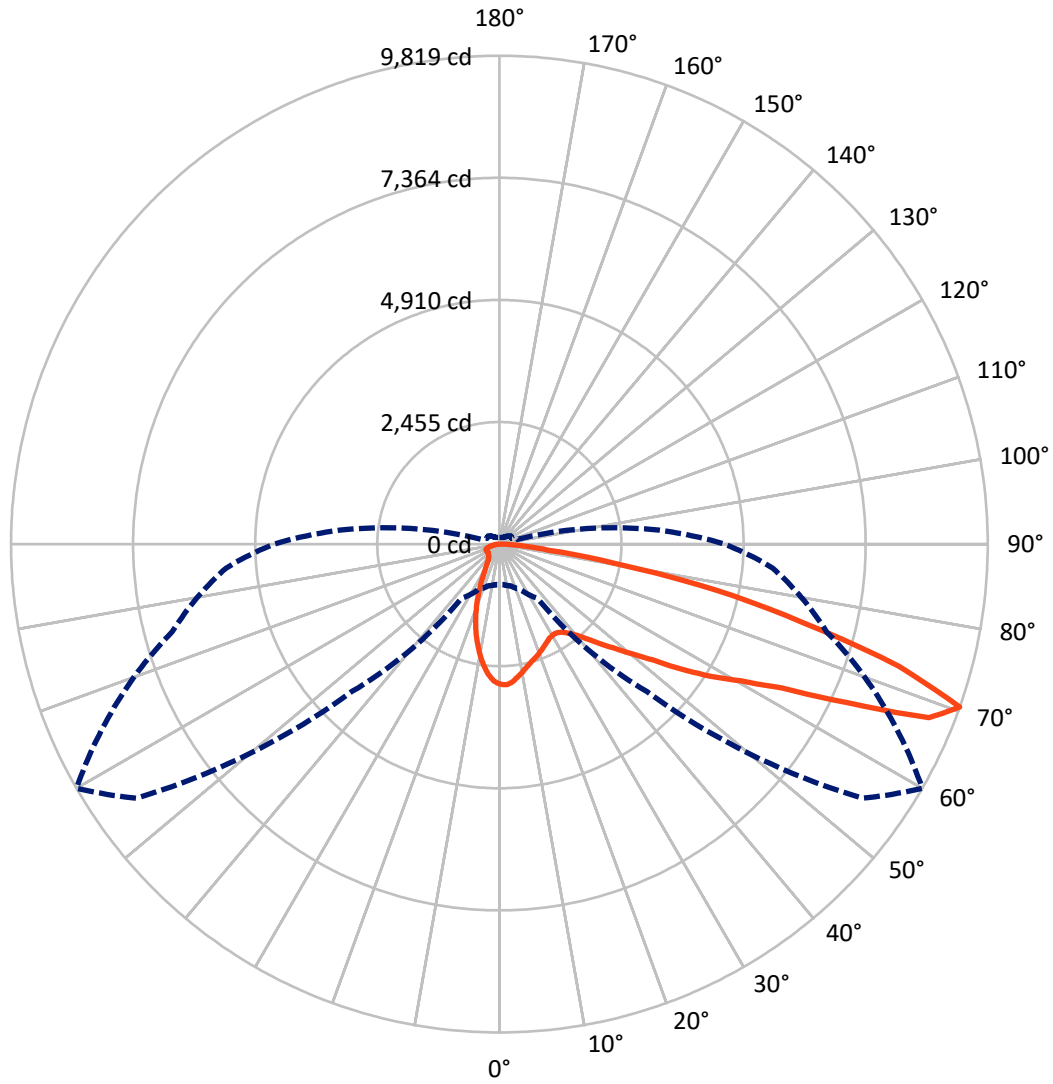
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.1 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	1743.0	0.0	1743.0
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	8448.6	0.0	8448.6
	% Fixture	82.9	0.0	82.9
Total	Lumens	10191.6	0.0	10191.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.1	2.4
10°-20°	544.6	5.3
20°-30°	697.4	6.8
30°-40°	916.6	9.0
40°-50°	1329.8	13.0
50°-60°	2074.9	20.4
60°-70°	2716.4	26.7
70°-80°	1502.1	14.7
80°-90°	166.7	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°	10191.6	100.0
0°-180°	10191.6	100.0

Coefficient of Utilization



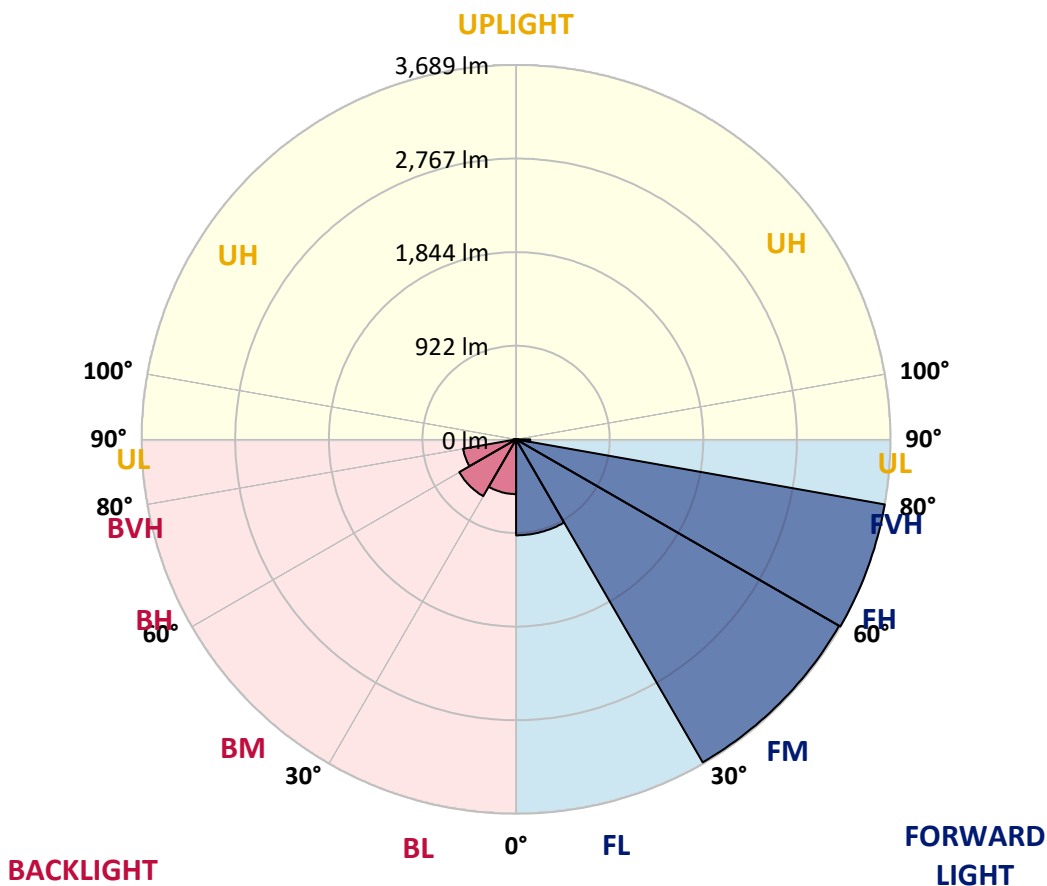
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	945.8	9.3			
FM (30°-60°)	3675.1	36.1			
FH (60°-80°)	3688.8	36.2			G2/5000
FVH (80°-90°)	138.9	1.4			G2/225
BL (0°-30°)	539.3	5.3	B2/1000		
BM (30°-60°)	646.3	6.3	B1/1000		
BH (60°-80°)	529.7	5.2	B2/1000		G2/1000
BVH (80°-90°)	27.8	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°	2820.1	2820.1	2820.1	2820.1	2820.1	2820.1	2820.1	2820.1	2820.1	2820.1	2820.1
2.5°	2780.6	2783.6	2791.8	2803.7	2815.7	2821.6	2836.6	2832.1	2829.1	2823.1	2815.7
5°	2657.6	2663.6	2671.0	2694.1	2720.2	2741.1	2774.7	2778.4	2779.9	2782.9	2770.9
7.5°	2501.0	2502.5	2520.4	2551.0	2585.3	2621.1	2677.0	2692.6	2706.1	2721.0	2711.3
10°	2328.0	2331.7	2345.2	2389.1	2448.1	2501.0	2576.3	2602.4	2630.7	2663.6	2650.1
12.5°	2186.3	2187.1	2208.7	2255.7	2319.8	2391.4	2485.3	2516.7	2553.9	2605.4	2593.5
15°	2073.7	2073.7	2093.9	2134.1	2207.9	2292.2	2404.1	2444.3	2495.0	2564.4	2543.5
17.5°	1984.2	1985.0	1997.7	2040.2	2105.8	2199.0	2331.7	2386.2	2442.1	2533.8	2502.5
20°	1937.3	1933.5	1935.8	1961.9	2017.8	2108.0	2259.4	2322.8	2398.1	2512.9	2465.2
22.5°	1935.0	1928.3	1918.6	1920.9	1953.7	2028.2	2181.8	2258.7	2353.4	2495.8	2427.2
25°	1973.1	1965.6	1948.5	1929.1	1926.1	1970.8	2108.8	2196.0	2307.1	2488.3	2390.6
27.5°	2037.2	2032.0	2009.6	1980.5	1949.9	1948.5	2053.6	2144.6	2273.6	2495.8	2364.5
30°	2122.2	2113.2	2099.1	2061.8	2015.6	1967.8	2032.0	2117.0	2251.2	2519.6	2353.4
32.5°	2218.4	2213.2	2199.7	2162.5	2113.2	2037.2	2049.1	2122.9	2251.2	2561.4	2355.6
35°	2320.5	2319.8	2319.8	2295.2	2240.8	2146.1	2117.0	2173.6	2285.5	2628.5	2379.5
37.5°	2419.7	2419.0	2442.8	2451.8	2389.9	2287.7	2232.6	2275.1	2360.8	2727.7	2438.4
40°	2500.3	2503.2	2555.4	2600.2	2565.9	2471.2	2393.6	2415.2	2483.1	2868.6	2541.3
42.5°	2581.5	2589.7	2668.0	2747.1	2760.5	2678.5	2600.2	2612.8	2658.3	3055.0	2694.9
45°	2670.3	2674.0	2783.6	2894.0	2958.8	2910.4	2846.2	2863.4	2873.8	3285.4	2923.8
47.5°	2756.0	2765.7	2907.4	3058.8	3181.8	3177.3	3141.5	3136.3	3138.6	3565.8	3194.5
50°	2873.1	2887.3	3053.5	3236.2	3416.7	3499.5	3509.9	3470.4	3454.0	3877.5	3531.5
52.5°	3095.3	3095.3	3244.4	3424.1	3666.5	3871.6	3941.6	3876.8	3824.6	4207.1	3889.4
55°	3373.4	3385.4	3503.9	3649.3	3956.6	4263.0	4500.2	4428.6	4280.9	4565.8	4264.5
57.5°	3497.2	3512.1	3700.0	3926.0	4336.1	4708.2	5037.0	5011.7	4796.2	4938.6	4653.8
60°	3273.5	3304.8	3563.6	3942.4	4679.9	5426.3	5658.2	5584.4	5276.4	5330.1	5075.8
62.5°	2730.7	2765.0	3052.1	3580.7	4632.1	6202.5	6637.3	6365.1	5875.9	5824.5	5638.1
65°	1629.3	1627.8	1973.1	2674.0	4043.8	6418.0	8186.8	7679.0	6802.1	6503.0	6216.7
67.5°	1035.7	1033.5	1105.8	1416.8	2691.1	5890.1	9183.0	9315.0	8060.0	7001.9	6264.4
70°	817.3	816.5	868.7	1010.4	1331.0	4191.4	8905.6	9819.1	8819.9	6811.8	5515.8
72.5°	595.8	597.3	677.8	846.3	1026.8	2104.3	7211.4	8401.5	8112.2	6013.1	4477.8
75°	428.0	430.3	478.7	648.0	947.0	1150.6	4795.4	6317.4	6172.0	4820.1	3080.4
77.5°	272.2	275.2	317.7	454.1	765.1	929.1	2907.4	4459.9	4106.4	2715.8	1095.4
80°	166.3	176.0	211.8	338.5	611.5	697.2	1453.3	2349.6	2056.6	744.9	368.4
82.5°	85.8	93.2	127.5	209.5	421.3	612.2	822.5	987.3	636.8	311.7	196.1
85°	26.8	31.3	44.7	85.0	200.6	379.5	544.3	490.7	292.3	146.9	91.0
87.5°	6.7	6.7	7.5	7.5	8.2	17.2	105.1	111.1	77.6	46.2	37.3
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°	2820.1	2820.1	2820.1	2820.1	2820.1	2820.1	2820.1	2820.1	2820.1	2820.1	2820.1
2.5°	2800.8	2782.9	2775.4	2774.7	2756.0	2729.2	2711.3	2698.6	2691.1	2689.7	2689.7
5°	2750.8	2727.7	2697.1	2674.0	2624.0	2573.3	2530.8	2507.0	2479.4	2475.6	2474.9
7.5°	2684.4	2650.9	2592.7	2527.8	2440.6	2356.3	2284.8	2236.3	2187.8	2178.9	2175.9
10°	2612.8	2567.4	2468.2	2354.1	2223.6	2097.6	1988.0	1902.2	1845.5	1805.3	1797.8
12.5°	2542.0	2481.6	2336.2	2166.2	1987.2	1815.0	1650.2	1510.0	1408.6	1349.7	1339.2
15°	2475.6	2391.4	2192.3	1975.3	1742.6	1507.0	1273.6	1091.7	949.2	898.5	886.6
17.5°	2415.2	2310.1	2052.8	1777.7	1487.6	1179.7	914.2	752.4	668.9	643.5	637.6
20°	2354.8	2226.6	1911.2	1569.6	1216.9	871.7	668.1	592.1	560.7	551.1	548.1
22.5°	2290.0	2134.9	1756.8	1364.6	943.3	652.5	546.6	513.0	503.3	504.1	503.3
25°	2225.1	2041.7	1595.0	1141.6	702.4	529.4	477.2	464.6	466.8	473.5	475.0
27.5°	2171.4	1958.9	1436.2	897.0	548.8	455.6	431.0	430.3	438.5	447.4	448.9
30°	2132.6	1885.1	1279.6	689.8	451.9	404.9	395.2	399.7	409.4	416.1	418.3
32.5°	2105.0	1821.7	1112.5	542.1	396.0	369.1	364.6	369.1	375.1	381.8	383.3
35°	2095.4	1775.5	948.5	442.2	357.9	343.0	340.0	342.3	345.2	349.0	350.5
37.5°	2117.0	1752.3	777.0	384.8	334.8	325.9	321.4	319.9	320.6	322.1	322.9
40°	2181.1	1762.8	636.8	351.2	319.9	311.7	304.2	301.3	300.5	302.0	301.3
42.5°	2291.5	1806.8	535.4	331.8	308.0	296.0	287.8	284.8	284.8	288.6	288.6
45°	2453.3	1893.3	462.3	317.7	297.5	282.6	273.7	272.2	275.2	281.1	281.9
47.5°	2690.4	2020.0	418.3	307.2	287.8	270.7	261.7	261.0	267.0	276.6	277.4
50°	2971.5	2202.7	394.5	299.8	281.1	261.0	252.0	252.8	259.5	269.9	272.2
52.5°	3310.1	2451.8	396.0	296.8	277.4	255.0	246.1	244.6	251.3	261.7	264.0
55°	3659.8	2754.5	425.0	297.5	272.2	252.0	240.1	234.9	240.9	248.3	249.1
57.5°	4044.5	3096.0	497.4	296.0	265.5	249.1	234.9	223.0	226.7	231.2	233.4
60°	4478.5	3498.0	653.2	299.0	262.5	242.3	224.4	208.8	208.0	211.0	211.8
62.5°	5058.7	4044.5	828.4	304.2	269.2	234.1	208.8	192.4	189.4	190.9	191.6
65°	5502.3	4305.5	773.3	299.8	283.4	228.2	193.9	176.7	170.8	169.3	169.3
67.5°	5321.9	3960.3	538.4	287.8	290.1	228.9	181.9	160.3	152.9	149.1	148.4
70°	4528.5	3216.8	374.3	275.9	282.6	227.4	169.3	146.9	137.2	132.0	131.2
72.5°	3577.8	2456.3	302.7	252.0	256.5	205.1	150.6	132.0	123.8	117.1	117.1
75°	2302.6	1498.8	252.8	224.4	209.5	159.6	130.5	117.8	109.6	102.9	102.9
77.5°	774.8	556.3	196.1	190.1	156.6	120.1	109.6	101.4	94.7	88.7	88.0
80°	314.7	264.0	143.9	143.9	109.6	91.7	85.8	82.0	77.6	70.1	70.1
82.5°	182.7	160.3	100.7	87.2	73.1	63.4	59.7	55.9	55.9	50.7	50.7
85°	88.0	88.7	60.4	53.7	41.8	36.5	35.0	32.8	32.1	29.1	28.3
87.5°	47.7	48.5	30.6	23.9	16.4	14.2	11.9	11.2	10.4	9.7	9.7
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)