

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: P634241

Luminaire Tested: GWS-SA3B-735-U-SL3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634241  
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-735-U-SL3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

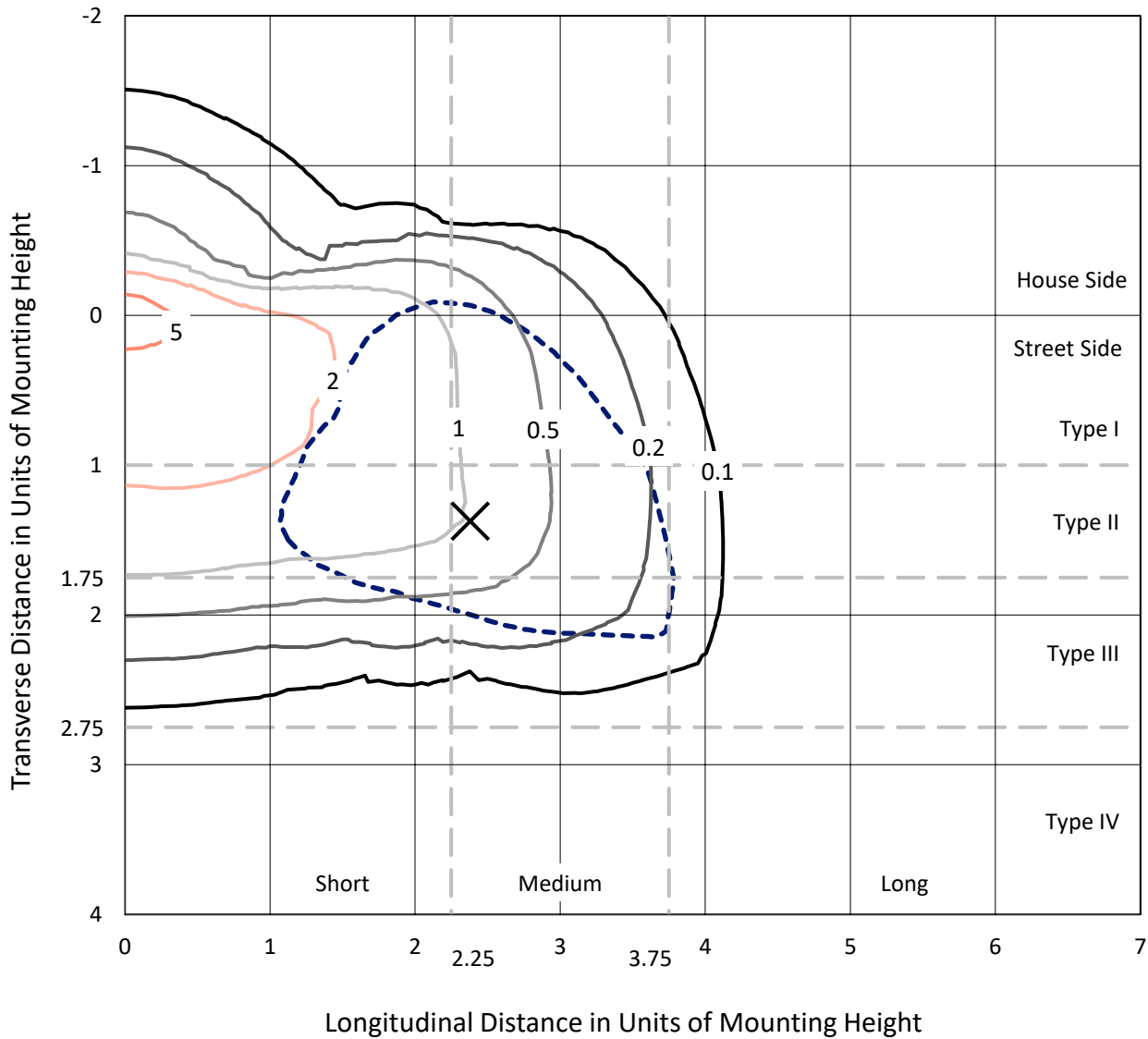
Lumens per Lamp: N/A  
Luminaire Lumens: 10051.9 lumens  
Efficiency: N/A  
Efficacy: 147.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

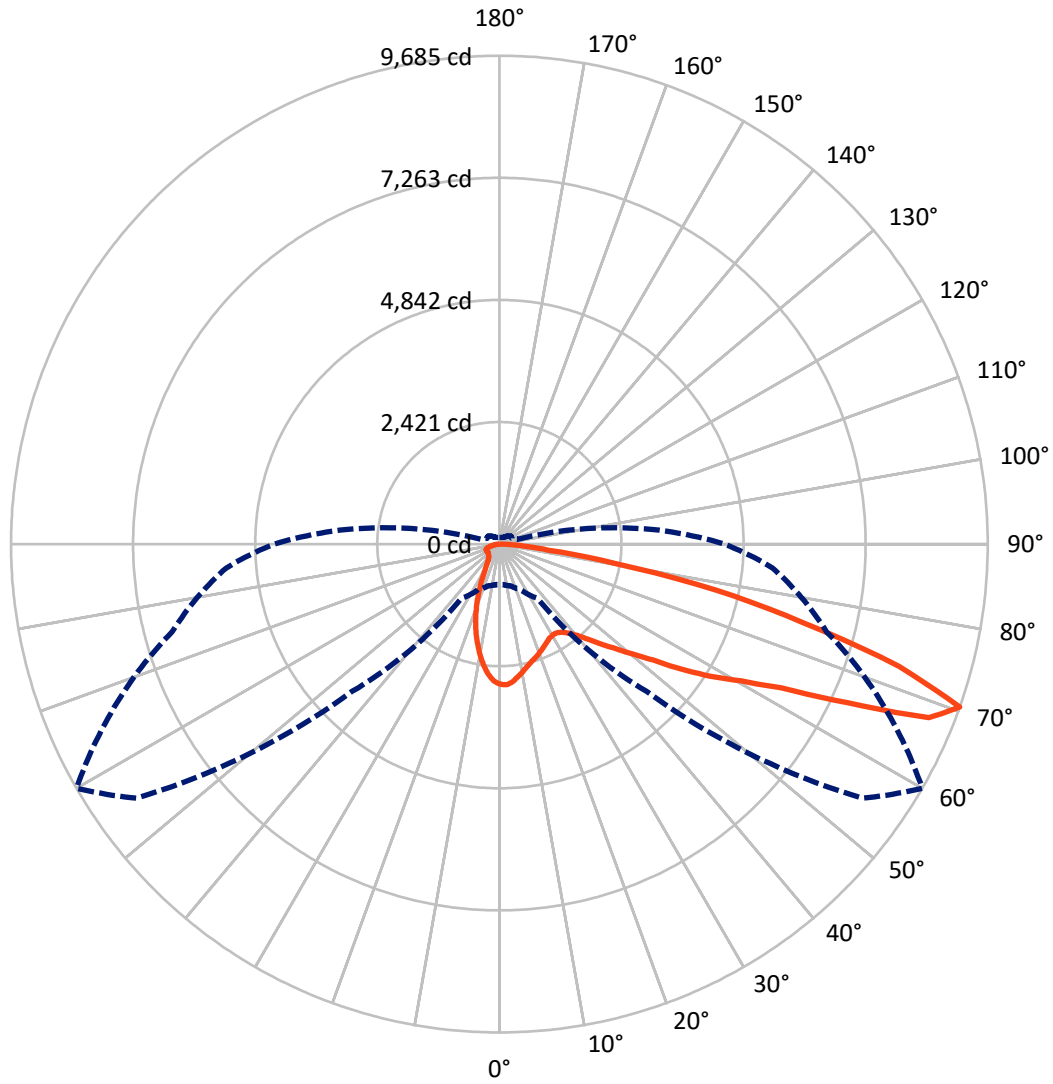
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7 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
<b>House Side</b>	Lumens	1719.1	0.0	1719.1
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	8332.8	0.0	8332.8
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	10051.9	0.0	10051.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.8	2.4
10°-20°	537.1	5.3
20°-30°	687.9	6.8
30°-40°	904.0	9.0
40°-50°	1311.6	13.0
50°-60°	2046.4	20.4
60°-70°	2679.2	26.7
70°-80°	1481.5	14.7
80°-90°	164.4	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°	10051.9	100.0
0°-180°	10051.9	100.0

**Coefficient of Utilization**



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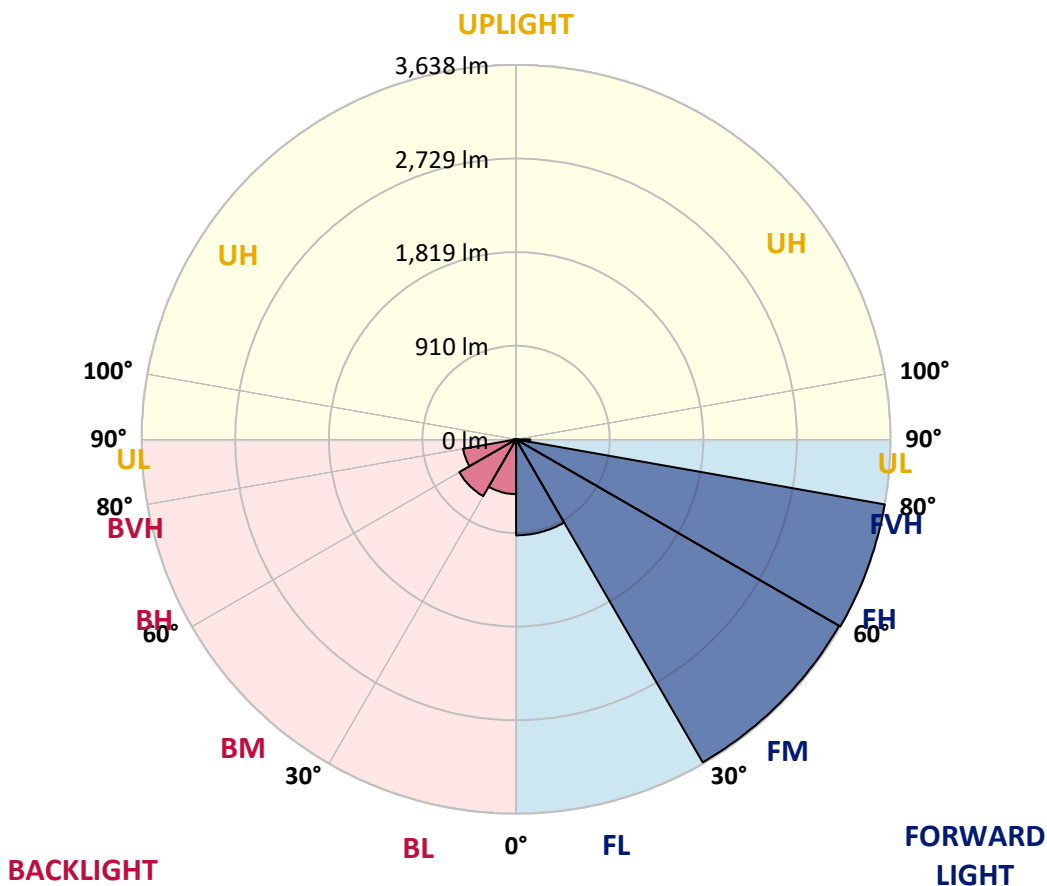
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	932.9	9.3			
FM (30°-60°)	3624.7	36.1			
FH (60°-80°)	3638.2	36.2			G2/5000
FVH (80°-90°)	137.0	1.4			G2/225
BL (0°-30°)	531.9	5.3	B2/1000		
BM (30°-60°)	637.4	6.3	B1/1000		
BH (60°-80°)	522.4	5.2	B2/1000		G2/1000
BVH (80°-90°)	27.4	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°	2781.5	2781.5	2781.5	2781.5	2781.5	2781.5	2781.5	2781.5	2781.5	2781.5	2781.5
2.5°	2742.5	2745.5	2753.5	2765.3	2777.1	2783.0	2797.7	2793.3	2790.3	2784.4	2777.1
5°	2621.2	2627.0	2634.4	2657.2	2682.9	2703.5	2736.6	2740.3	2741.8	2744.7	2733.0
7.5°	2466.7	2468.2	2485.8	2516.0	2549.8	2585.1	2640.3	2655.7	2669.0	2683.7	2674.1
10°	2296.1	2299.8	2313.0	2356.4	2414.5	2466.7	2541.0	2566.7	2594.7	2627.0	2613.8
12.5°	2156.4	2157.1	2178.4	2224.8	2288.0	2358.6	2451.3	2482.2	2518.9	2569.7	2557.9
15°	2045.3	2045.3	2065.2	2104.9	2177.7	2260.8	2371.1	2410.8	2460.8	2529.2	2508.6
17.5°	1957.0	1957.8	1970.3	2012.2	2076.9	2168.9	2299.8	2353.5	2408.6	2499.1	2468.2
20°	1910.7	1907.0	1909.2	1935.0	1990.1	2079.1	2228.4	2290.9	2365.2	2478.5	2431.4
22.5°	1908.5	1901.9	1892.3	1894.5	1926.9	2000.4	2151.9	2227.7	2321.1	2461.6	2393.9
25°	1946.0	1938.7	1921.7	1902.6	1899.7	1943.8	2079.9	2165.9	2275.5	2454.2	2357.9
27.5°	2009.3	2004.1	1982.1	1953.4	1923.2	1921.7	2025.4	2115.2	2242.4	2461.6	2332.1
30°	2093.1	2084.3	2070.3	2033.5	1987.9	1940.9	2004.1	2088.0	2220.3	2485.1	2321.1
32.5°	2188.0	2182.8	2169.6	2132.8	2084.3	2009.3	2021.0	2093.8	2220.3	2526.3	2323.3
35°	2288.7	2288.0	2288.0	2263.7	2210.0	2116.6	2088.0	2143.9	2254.2	2592.5	2346.8
37.5°	2386.6	2385.8	2409.4	2418.2	2357.1	2256.4	2202.0	2243.9	2328.5	2690.3	2404.9
40°	2466.0	2468.9	2520.4	2564.5	2530.7	2437.3	2360.8	2382.1	2449.1	2829.3	2506.4
42.5°	2546.1	2554.2	2631.5	2709.4	2722.7	2641.8	2564.5	2577.0	2621.9	3013.2	2657.9
45°	2633.7	2637.3	2745.5	2854.3	2918.3	2870.5	2807.2	2824.1	2834.4	3240.4	2883.7
47.5°	2718.2	2727.8	2867.5	3016.8	3138.2	3133.8	3098.5	3093.3	3095.5	3516.9	3150.7
50°	2833.7	2847.7	3011.7	3191.9	3369.9	3451.5	3461.8	3422.8	3406.6	3824.4	3483.1
52.5°	3052.9	3052.9	3200.0	3377.2	3616.2	3818.5	3887.6	3823.6	3772.1	4149.4	3836.1
55°	3327.2	3339.0	3455.9	3599.3	3902.3	4204.6	4438.5	4367.9	4222.2	4503.2	4206.1
57.5°	3449.3	3464.0	3649.3	3872.2	4276.7	4643.7	4968.0	4943.0	4730.4	4870.9	4590.0
60°	3228.6	3259.5	3514.7	3888.4	4615.7	5351.9	5580.6	5507.8	5204.1	5257.0	5006.2
62.5°	2693.2	2727.1	3010.2	3531.7	4568.6	6117.5	6546.3	6277.8	5795.4	5744.6	5560.8
65°	1607.0	1605.5	1946.0	2637.3	3988.4	6330.1	8074.6	7573.7	6708.8	6413.9	6131.5
67.5°	1021.5	1019.3	1090.7	1397.4	2654.3	5809.4	9057.1	9187.3	7949.5	6905.9	6178.6
70°	806.1	805.3	856.8	996.5	1312.8	4134.0	8783.5	9684.5	8699.0	6718.4	5440.2
72.5°	587.6	589.1	668.5	834.7	1012.7	2075.5	7112.6	8286.4	8001.0	5930.7	4416.4
75°	422.2	424.4	472.2	639.1	934.0	1134.8	4729.7	6230.8	6087.4	4754.0	3038.2
77.5°	268.4	271.4	313.3	447.9	754.6	916.4	2867.5	4398.8	4050.2	2678.5	1080.4
80°	164.0	173.6	208.9	333.9	603.1	687.7	1433.4	2317.4	2028.4	734.7	363.3
82.5°	84.6	91.9	125.8	206.7	415.5	603.8	811.2	973.7	628.1	307.4	193.4
85°	26.5	30.9	44.1	83.8	197.8	374.3	536.9	483.9	288.3	144.9	89.7
87.5°	6.6	6.6	7.4	7.4	8.1	16.9	103.7	109.6	76.5	45.6	36.8
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°	2781.5	2781.5	2781.5	2781.5	2781.5	2781.5	2781.5	2781.5	2781.5	2781.5	2781.5
2.5°	2762.4	2744.7	2737.4	2736.6	2718.2	2691.8	2674.1	2661.6	2654.3	2652.8	2652.8
5°	2713.1	2690.3	2660.1	2637.3	2588.1	2538.1	2496.1	2472.6	2445.4	2441.7	2441.0
7.5°	2647.6	2614.5	2557.2	2493.2	2407.1	2324.0	2253.4	2205.6	2157.8	2149.0	2146.1
10°	2577.0	2532.2	2434.4	2321.8	2193.1	2068.8	1960.7	1876.1	1820.3	1780.5	1773.2
12.5°	2507.2	2447.6	2304.2	2136.5	1960.0	1790.1	1627.6	1489.3	1389.3	1331.2	1320.9
15°	2441.7	2358.6	2162.2	1948.2	1718.8	1486.4	1256.2	1076.7	936.2	886.2	874.5
17.5°	2382.1	2278.4	2024.7	1753.3	1467.2	1163.5	901.7	742.1	659.7	634.7	628.8
20°	2322.6	2196.1	1885.0	1548.1	1200.3	859.7	659.0	584.0	553.1	543.5	540.6
22.5°	2258.6	2105.6	1732.7	1345.9	930.4	643.5	539.1	506.0	496.4	497.2	496.4
25°	2194.6	2013.7	1573.1	1126.0	692.8	522.2	470.7	458.2	460.4	467.0	468.5
27.5°	2141.6	1932.0	1416.5	884.8	541.3	449.4	425.1	424.4	432.4	441.3	442.7
30°	2103.4	1859.2	1262.0	680.3	445.7	399.4	389.8	394.2	403.8	410.4	412.6
32.5°	2076.2	1796.7	1097.3	534.7	390.5	364.1	359.6	364.1	369.9	376.6	378.0
35°	2066.6	1751.1	935.5	436.1	353.0	338.3	335.4	337.6	340.5	344.2	345.7
37.5°	2088.0	1728.3	766.3	379.5	330.2	321.4	317.0	315.5	316.2	317.7	318.5
40°	2151.2	1738.6	628.1	346.4	315.5	307.4	300.1	297.1	296.4	297.9	297.1
42.5°	2260.1	1782.0	528.1	327.3	303.7	292.0	283.9	280.9	280.9	284.6	284.6
45°	2419.6	1867.3	456.0	313.3	293.4	278.7	269.9	268.4	271.4	277.3	278.0
47.5°	2653.5	1992.3	412.6	303.0	283.9	267.0	258.1	257.4	263.3	272.9	273.6
50°	2930.8	2172.5	389.1	295.7	277.3	257.4	248.6	249.3	255.9	266.2	268.4
52.5°	3264.7	2418.2	390.5	292.7	273.6	251.5	242.7	241.2	247.8	258.1	260.4
55°	3609.6	2716.8	419.2	293.4	268.4	248.6	236.8	231.7	237.6	244.9	245.6
57.5°	3989.1	3053.6	490.5	292.0	261.8	245.6	231.7	219.9	223.6	228.0	230.2
60°	4417.1	3450.0	644.3	294.9	258.9	239.0	221.4	205.9	205.2	208.1	208.9
62.5°	4989.3	3989.1	817.1	300.1	265.5	230.9	205.9	189.7	186.8	188.3	189.0
65°	5426.9	4246.5	762.7	295.7	279.5	225.0	191.2	174.3	168.4	166.9	166.9
67.5°	5248.9	3906.0	531.0	283.9	286.1	225.8	179.5	158.1	150.8	147.1	146.4
70°	4466.4	3172.8	369.2	272.1	278.7	224.3	166.9	144.9	135.3	130.2	129.4
72.5°	3528.7	2422.6	298.6	248.6	253.0	202.3	148.6	130.2	122.1	115.5	115.5
75°	2271.1	1478.3	249.3	221.4	206.7	157.4	128.7	116.2	108.1	101.5	101.5
77.5°	764.1	548.6	193.4	187.5	154.4	118.4	108.1	100.0	93.4	87.5	86.8
80°	310.4	260.4	141.9	141.9	108.1	90.5	84.6	80.9	76.5	69.1	69.1
82.5°	180.2	158.1	99.3	86.0	72.1	62.5	58.8	55.2	55.2	50.0	50.0
85°	86.8	87.5	59.6	53.0	41.2	36.0	34.6	32.4	31.6	28.7	27.9
87.5°	47.1	47.8	30.2	23.5	16.2	14.0	11.8	11.0	10.3	9.6	9.6
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)