

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: P632589

Luminaire Tested: GWS-SA2D-722-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632589  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2D-722-U-SL3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

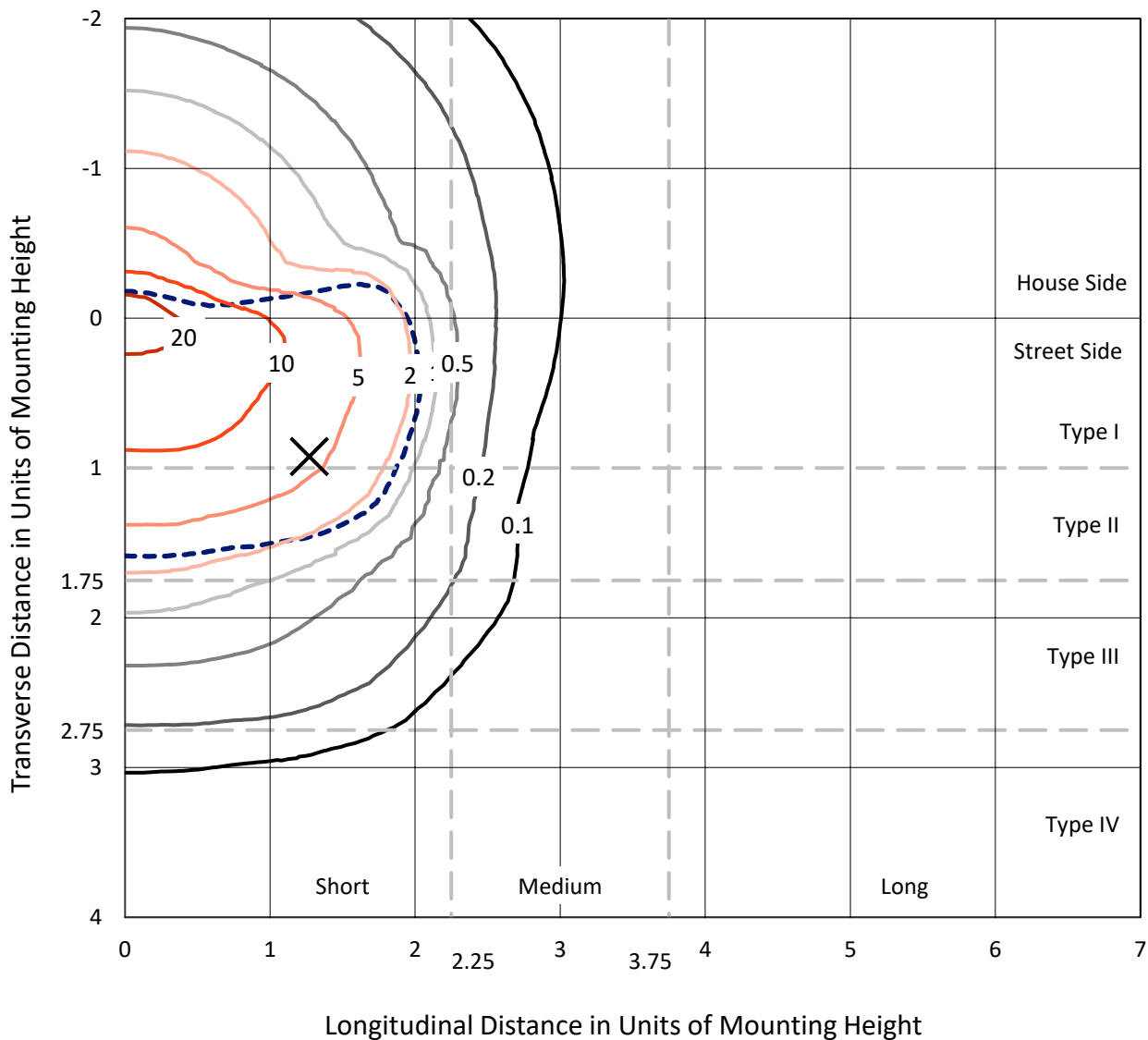
Lumens per Lamp: N/A  
Luminaire Lumens: 7202.5 lumens  
Efficiency: N/A  
Efficacy: 87.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

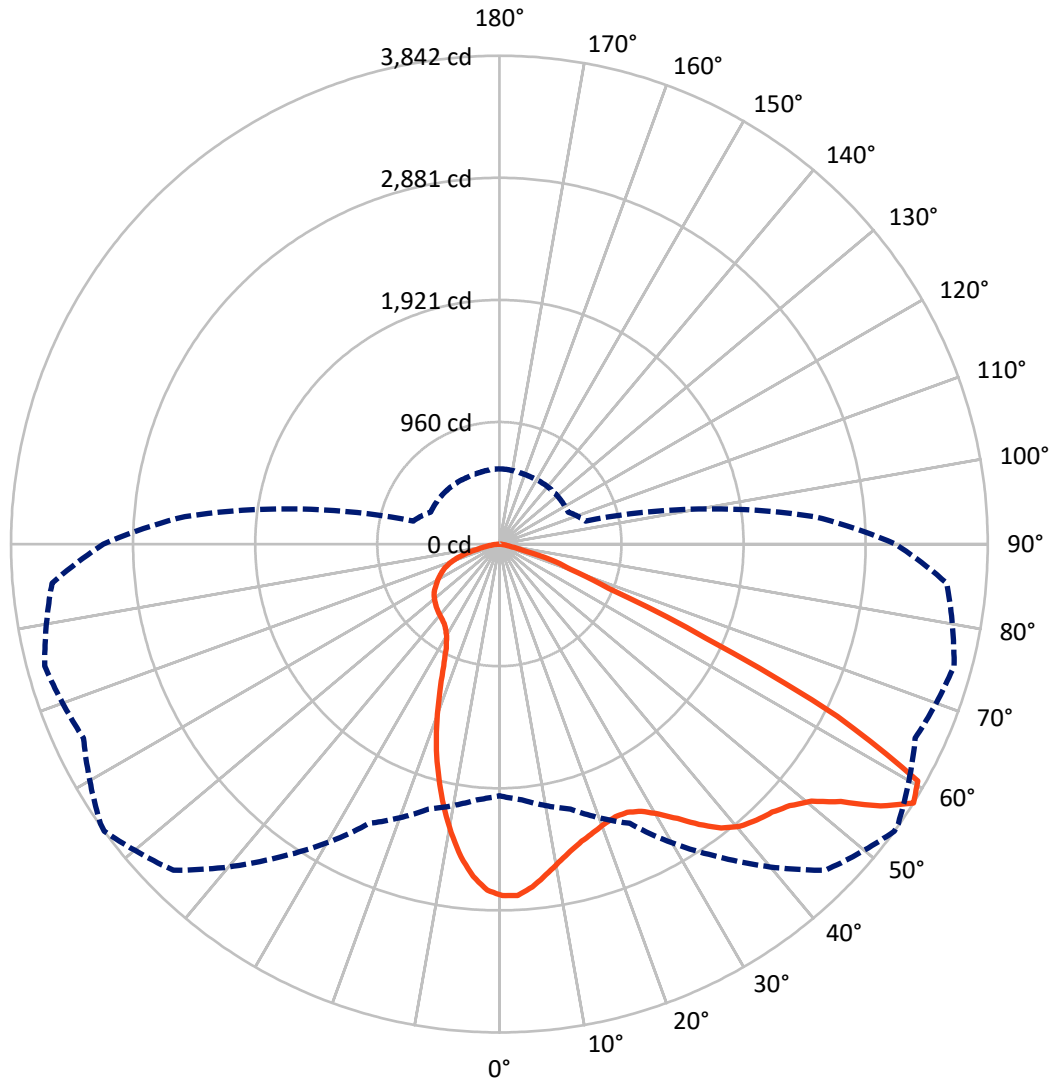
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2093.8	0.0	2093.8
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	5108.7	0.0	5108.7
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	7202.5	0.0	7202.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	243.1	3.4
10°-20°	580.0	8.1
20°-30°	802.6	11.1
30°-40°	1115.2	15.5
40°-50°	1472.8	20.4
50°-60°	1750.3	24.3
60°-70°	969.7	13.5
70°-80°	241.5	3.4
80°-90°	27.5	0.4
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°	7202.5	100.0
0°-180°	7202.5	100.0

**Coefficient of Utilization**



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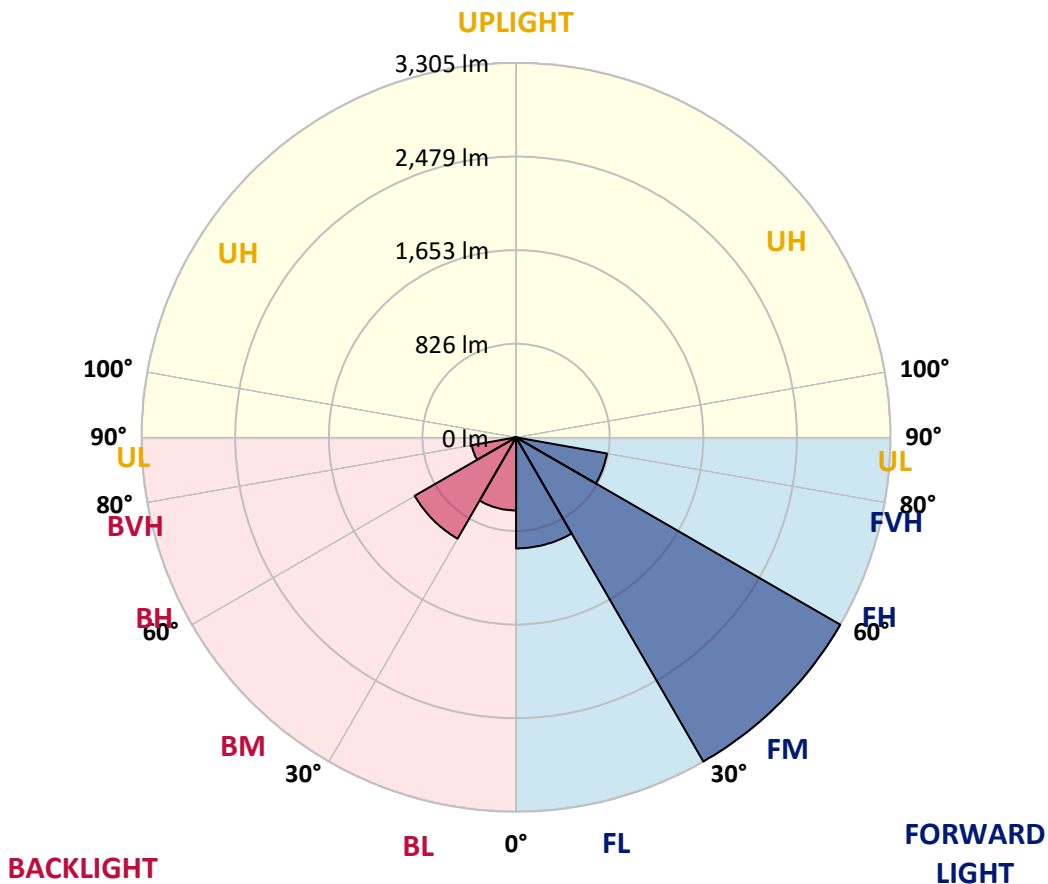
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	980.4	13.6			
FM (30°-60°)	3305.3	45.9			
FH (60°-80°)	814.3	11.3			G1/1800
FVH (80°-90°)	8.6	0.1			G0/10
BL (0°-30°)	645.2	9.0	B2/1000		
BM (30°-60°)	1032.9	14.3	B2/2500		
BH (60°-80°)	396.8	5.5	B1/500		G1/500
BVH (80°-90°)	18.9	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-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	2765.2	2765.2	2765.2	2765.2	2765.2	2765.2	2765.2	2765.2	2765.2	2765.2	2765.2
2.5°	2713.4	2719.0	2722.7	2735.6	2746.7	2756.6	2767.1	2767.1	2766.4	2764.6	2760.9
5°	2606.1	2612.3	2620.9	2638.8	2662.9	2680.1	2708.5	2710.9	2723.3	2728.2	2725.7
7.5°	2481.6	2483.4	2494.5	2518.0	2556.2	2587.0	2627.7	2632.6	2662.2	2679.5	2676.4
10°	2345.3	2339.2	2358.9	2393.4	2443.4	2495.2	2547.6	2551.9	2599.4	2632.0	2629.6
12.5°	2220.8	2221.4	2241.1	2283.1	2345.3	2409.5	2479.7	2489.6	2548.2	2590.1	2585.8
15°	2116.6	2119.1	2143.1	2190.6	2261.5	2337.9	2425.5	2434.7	2508.7	2564.2	2551.9
17.5°	2033.4	2035.8	2056.8	2111.0	2186.9	2279.4	2386.0	2395.3	2487.1	2553.1	2527.8
20°	1976.0	1974.8	1995.1	2046.9	2125.2	2225.7	2351.5	2365.1	2480.4	2557.4	2511.8
22.5°	1952.6	1952.0	1966.8	2009.3	2082.7	2184.4	2330.5	2349.0	2487.8	2576.5	2501.9
25°	1964.3	1961.8	1974.8	2006.2	2064.8	2168.4	2336.7	2356.4	2519.2	2616.0	2503.8
27.5°	2000.7	1997.6	2008.7	2037.1	2081.5	2185.0	2379.9	2402.7	2585.8	2688.1	2528.5
30°	2056.2	2054.3	2065.4	2092.6	2131.4	2240.5	2462.5	2488.4	2688.8	2800.3	2582.1
32.5°	2120.9	2117.8	2137.6	2169.0	2214.0	2341.6	2573.5	2607.4	2810.8	2944.6	2672.1
35°	2193.7	2191.2	2218.3	2264.0	2328.7	2482.2	2707.9	2744.9	2935.4	3108.0	2791.7
37.5°	2264.6	2264.6	2317.0	2384.8	2466.2	2635.1	2834.3	2857.7	3021.7	3252.9	2920.0
40°	2327.5	2331.2	2410.1	2511.8	2615.4	2773.2	2917.5	2937.2	3059.9	3352.8	3031.6
42.5°	2397.1	2400.2	2492.1	2625.2	2748.6	2884.8	2968.0	2977.9	3067.3	3402.7	3110.5
45°	2452.6	2456.9	2571.0	2713.4	2864.5	2968.7	3008.1	3016.8	3077.8	3429.8	3167.8
47.5°	2481.6	2487.8	2618.5	2784.3	2942.8	3043.9	3074.1	3077.8	3120.9	3477.3	3236.9
50°	2476.7	2489.0	2636.3	2819.5	3000.7	3119.7	3180.1	3186.3	3209.1	3547.0	3317.6
52.5°	2520.4	2526.0	2674.6	2861.4	3083.3	3259.7	3364.5	3373.1	3362.6	3599.4	3365.7
55°	2447.7	2474.2	2627.1	2855.2	3209.1	3476.1	3637.6	3633.3	3502.0	3658.0	3445.9
57.5°	1979.7	2018.6	2158.5	2423.6	3002.0	3627.7	3841.7	3831.2	3609.9	3703.0	3532.8
60°	1370.6	1376.7	1503.1	1691.2	2317.0	3204.8	3781.9	3804.7	3629.6	3646.2	3371.9
62.5°	1096.2	1094.4	1106.1	1111.0	1473.5	2252.9	2985.3	3068.5	3015.5	2841.0	2389.7
65°	935.9	942.7	977.2	959.3	961.8	1268.8	1783.7	1795.4	1758.4	1695.5	1263.9
67.5°	732.5	744.2	805.2	874.9	852.7	816.9	925.4	919.9	725.1	561.1	463.6
70°	458.7	466.1	531.5	686.8	742.3	670.8	595.0	592.5	388.4	319.4	350.2
72.5°	267.6	268.8	287.3	382.9	492.6	458.7	437.7	421.7	249.7	254.6	279.3
75°	147.4	147.4	146.7	165.2	194.2	172.0	166.5	162.2	167.1	189.3	207.8
77.5°	30.8	31.4	33.3	43.8	56.7	69.1	86.9	87.5	109.1	126.4	141.2
80°	14.2	14.8	18.5	23.4	30.2	40.1	53.0	53.6	66.0	79.5	89.4
82.5°	7.4	8.0	9.9	12.3	16.0	21.0	29.6	29.6	39.5	46.9	53.0
85°	2.5	2.5	3.7	4.9	6.8	8.6	11.7	11.7	17.3	22.8	26.5
87.5°	0.0	0.0	0.0	0.0	0.6	1.2	2.5	2.5	3.1	3.7	6.2
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°	2765.2	2765.2	2765.2	2765.2	2765.2	2765.2	2765.2	2765.2	2765.2	2765.2	2765.2
2.5°	2752.9	2733.8	2734.4	2738.1	2726.4	2708.5	2696.8	2682.0	2672.7	2670.9	2677.7
5°	2713.4	2691.2	2675.8	2659.8	2626.5	2587.0	2556.2	2530.9	2514.3	2508.1	2500.7
7.5°	2659.2	2630.2	2591.3	2546.3	2485.9	2415.6	2366.3	2320.1	2288.0	2278.7	2274.4
10°	2604.9	2563.0	2493.9	2410.1	2309.6	2214.6	2125.2	2056.8	2002.5	1971.7	1981.6
12.5°	2548.8	2497.0	2389.1	2260.3	2120.3	1977.3	1860.1	1746.7	1659.1	1615.3	1602.4
15°	2499.5	2429.2	2278.7	2104.3	1918.1	1738.0	1568.5	1398.3	1287.3	1226.9	1210.3
17.5°	2457.5	2366.3	2162.2	1945.2	1722.6	1466.1	1257.8	1099.9	1024.1	990.8	988.3
20°	2416.2	2304.6	2046.9	1773.8	1497.0	1209.7	1023.5	949.5	922.4	910.6	910.0
22.5°	2379.2	2239.9	1925.5	1602.4	1272.5	1016.7	914.3	882.3	874.9	874.9	873.6
25°	2347.8	2175.2	1800.9	1420.5	1069.7	905.1	857.6	844.0	847.1	852.7	853.3
27.5°	2334.9	2124.6	1680.7	1233.7	929.7	840.4	818.8	816.9	825.6	834.2	835.4
30°	2348.4	2090.1	1557.4	1054.9	845.9	800.9	791.0	794.7	805.2	813.8	813.8
32.5°	2390.3	2072.8	1431.6	924.2	797.2	773.1	770.1	773.8	781.8	786.7	787.3
35°	2461.2	2079.6	1301.5	836.0	765.7	752.8	752.2	754.7	757.7	760.8	761.4
37.5°	2550.6	2109.8	1162.2	784.9	745.4	738.0	736.8	736.2	736.8	736.8	737.4
40°	2638.2	2155.4	1037.6	754.7	731.2	725.1	722.0	717.7	717.0	715.8	715.2
42.5°	2702.9	2190.6	938.4	733.1	718.3	710.9	707.2	700.4	699.8	699.2	698.5
45°	2751.6	2220.2	855.8	712.1	704.7	697.9	689.9	683.7	685.0	686.2	686.2
47.5°	2806.5	2246.1	795.3	692.4	688.1	681.3	671.4	667.1	671.4	675.7	675.7
50°	2873.1	2282.4	746.0	672.7	670.8	662.8	654.2	652.3	657.2	663.4	663.4
52.5°	2921.8	2313.9	710.9	652.9	652.9	642.4	635.0	634.4	640.0	646.1	646.8
55°	3013.1	2387.3	698.5	630.1	627.6	619.6	614.1	609.8	616.5	622.1	622.1
57.5°	3116.0	2484.7	701.6	597.4	594.3	591.9	587.6	582.6	584.5	590.6	591.3
60°	2897.8	2296.0	667.7	564.8	562.9	561.7	556.1	547.5	550.0	554.9	555.5
62.5°	2024.1	1525.9	540.1	524.1	530.2	529.6	522.2	512.3	513.0	519.7	519.7
65°	1050.6	825.6	474.1	487.1	496.3	492.6	480.3	471.7	470.4	479.1	477.2
67.5°	453.2	450.7	431.6	448.2	458.1	450.1	437.1	422.9	424.2	427.3	424.8
70°	365.0	376.1	384.1	402.0	410.0	395.2	381.0	373.0	366.2	365.6	361.3
72.5°	291.6	307.0	324.9	343.4	345.9	331.1	313.2	305.8	295.3	294.7	290.4
75°	219.5	232.4	246.6	261.4	261.4	247.2	235.5	231.8	219.5	215.8	212.1
77.5°	149.8	157.8	168.9	172.6	176.3	170.8	159.1	152.9	138.7	135.0	130.1
80°	94.3	99.9	106.7	109.1	112.8	106.0	96.8	90.0	80.2	77.1	74.6
82.5°	56.7	60.4	64.7	66.0	69.1	64.1	55.5	50.6	45.0	42.5	40.7
85°	29.0	30.8	33.3	33.9	33.3	28.4	25.3	22.8	19.1	18.5	17.3
87.5°	7.4	8.6	9.2	8.6	8.0	6.2	4.3	3.1	1.2	1.2	0.6
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)