

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: P633580

Luminaire Tested: GWS-SA2F-722-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-722-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9678.1 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

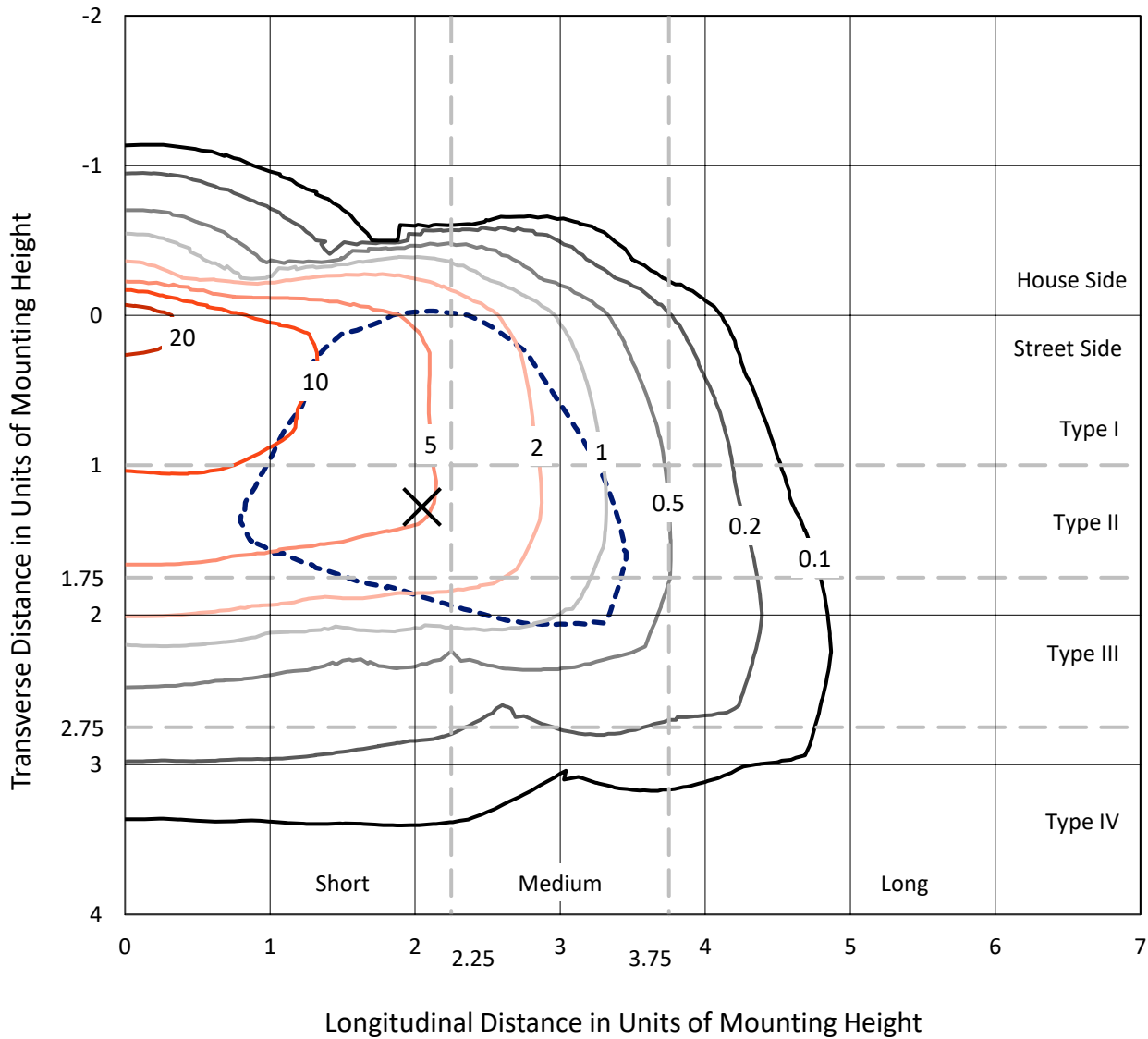
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

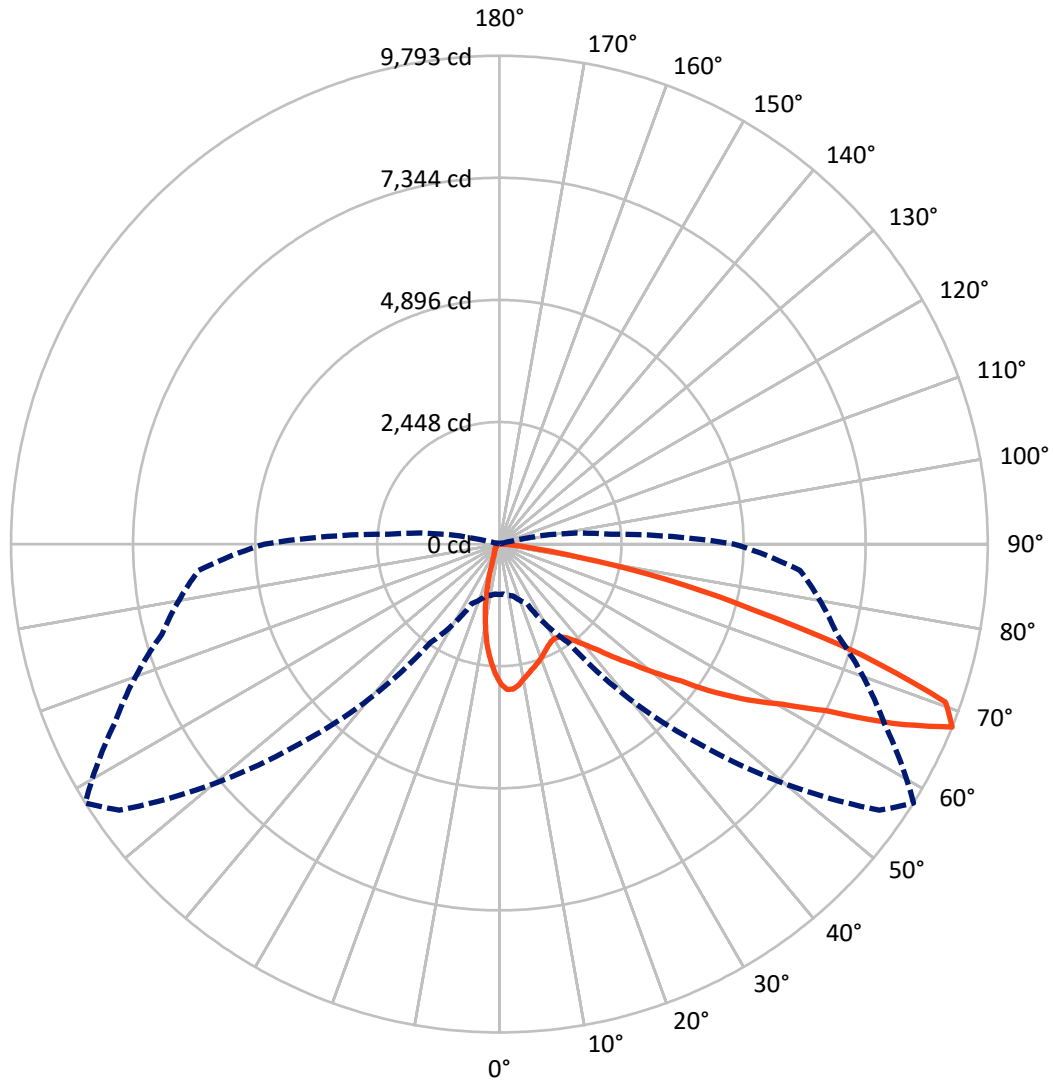
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	945.5	0.0	945.5
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	8732.6	0.0	8732.6
	% Fixture	90.2	0.0	90.2
Total	Lumens	9678.1	0.0	9678.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.8	2.3
10°-20°	472.2	4.9
20°-30°	636.8	6.6
30°-40°	894.9	9.2
40°-50°	1382.0	14.3
50°-60°	2210.0	22.8
60°-70°	2616.8	27.0
70°-80°	1157.6	12.0
80°-90°	80.9	0.8
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°	9678.1	100.0
0°-180°	9678.1	100.0

Coefficient of Utilization



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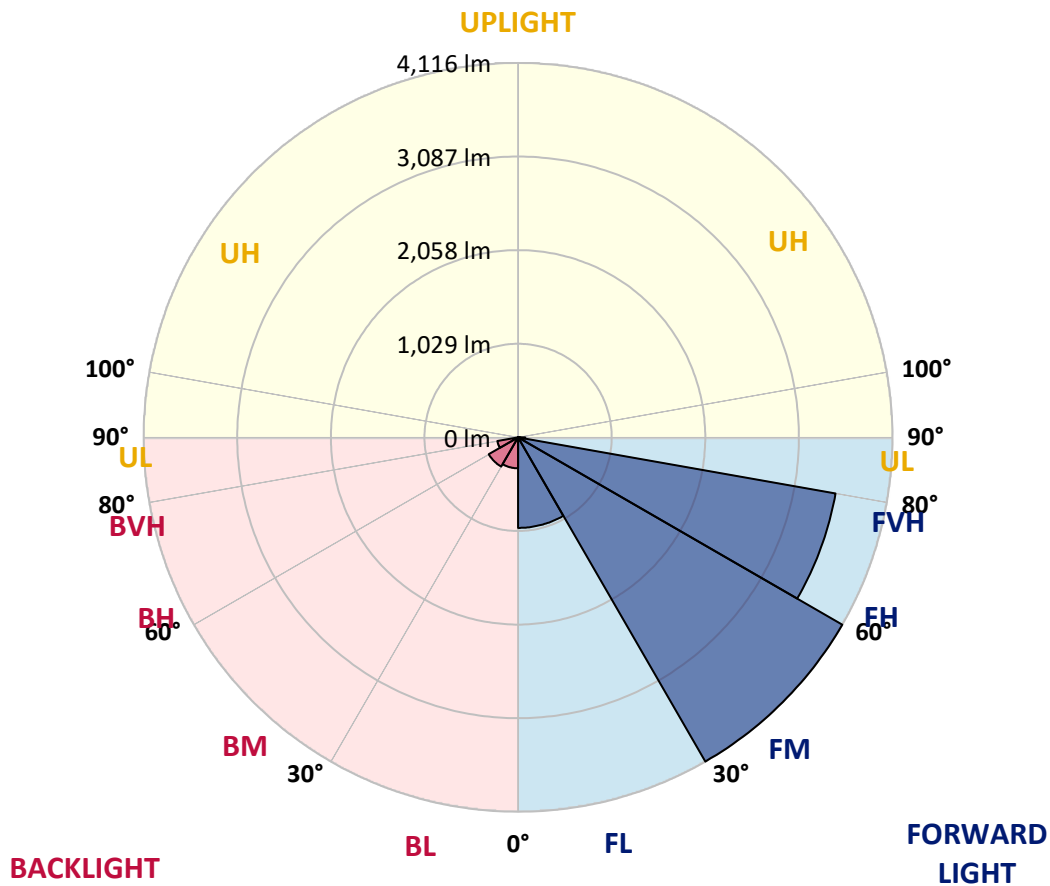
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	995.6	10.3			
FM (30°-60°)	4115.9	42.5			
FH (60°-80°)	3543.6	36.6			G2/5000
FVH (80°-90°)	77.5	0.8			G1/100
BL (0°-30°)	340.2	3.5	B1/500		
BM (30°-60°)	371.0	3.8	B1/1000		
BH (60°-80°)	230.8	2.4	B1/500		G1/500
BVH (80°-90°)	3.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2791.6	2791.6	2791.6	2791.6	2791.6	2791.6	2791.6	2791.6	2791.6	2791.6	2791.6
2.5°	2936.4	2941.5	2948.4	2956.9	2955.2	2947.5	2938.1	2916.7	2903.0	2860.1	2807.9
5°	2842.2	2841.3	2858.4	2874.7	2903.8	2919.2	2940.7	2921.0	2914.1	2862.7	2777.9
7.5°	2658.0	2667.4	2687.1	2712.8	2754.8	2800.2	2851.6	2845.6	2866.1	2831.9	2726.5
10°	2477.3	2472.1	2502.9	2541.5	2605.7	2664.0	2738.5	2737.7	2791.6	2788.2	2668.3
12.5°	2318.8	2317.9	2341.9	2385.6	2461.0	2542.4	2643.4	2646.0	2712.8	2740.2	2618.6
15°	2185.2	2186.9	2210.0	2255.4	2333.3	2432.7	2550.1	2571.5	2646.9	2702.5	2569.8
17.5°	2090.1	2090.9	2104.6	2144.0	2220.3	2326.5	2467.8	2497.0	2593.7	2674.3	2530.4
20°	2046.4	2043.0	2045.5	2065.2	2124.3	2221.1	2383.9	2421.6	2544.9	2654.6	2494.4
22.5°	2052.4	2047.2	2035.3	2032.7	2059.2	2132.9	2294.8	2341.1	2491.8	2642.6	2461.8
25°	2105.5	2094.4	2077.2	2051.5	2041.2	2078.1	2216.8	2264.8	2442.1	2643.4	2437.0
27.5°	2186.9	2174.9	2153.5	2119.2	2078.9	2063.5	2163.7	2209.1	2407.0	2663.1	2425.0
30°	2290.5	2281.1	2260.5	2219.4	2165.5	2102.1	2152.6	2190.3	2389.9	2703.4	2430.1
32.5°	2413.0	2406.2	2389.0	2351.3	2289.7	2192.9	2190.3	2219.4	2403.6	2761.6	2449.8
35°	2531.2	2533.8	2534.6	2514.1	2448.1	2330.8	2293.9	2304.2	2460.1	2849.0	2494.4
37.5°	2658.8	2652.9	2683.7	2698.3	2634.9	2509.8	2454.1	2455.0	2568.0	2978.4	2578.3
40°	2755.6	2757.4	2824.2	2884.1	2857.6	2736.8	2657.1	2656.3	2734.2	3155.7	2713.7
42.5°	2846.4	2857.6	2956.1	3058.9	3095.7	2988.6	2931.2	2909.8	2967.2	3395.5	2916.7
45°	2943.2	2959.5	3097.4	3243.9	3340.7	3277.3	3231.9	3240.5	3247.3	3674.8	3189.9
47.5°	3056.3	3066.6	3237.0	3443.5	3624.2	3607.9	3610.5	3600.2	3596.8	4026.8	3551.4
50°	3193.4	3217.3	3413.5	3660.2	3906.9	4014.8	4050.8	4055.1	3999.4	4410.6	3925.7
52.5°	3484.6	3513.7	3681.6	3897.5	4215.3	4442.3	4588.7	4559.6	4474.0	4782.3	4336.0
55°	3828.1	3850.4	4012.3	4235.8	4592.2	4910.8	5258.6	5246.6	5036.7	5173.8	4673.5
57.5°	3860.6	3885.5	4136.5	4479.1	5076.1	5489.9	5855.6	5894.2	5586.7	5451.3	4975.1
60°	3494.9	3545.4	3888.1	4348.9	5261.2	6268.5	6510.1	6517.8	5990.1	5733.1	5343.4
62.5°	2801.0	2825.0	3170.2	3771.6	4975.9	6722.5	7509.7	7346.9	6508.4	6169.1	5926.7
65°	1468.2	1565.8	1866.5	2532.1	4035.4	6564.0	8712.4	8667.8	7440.3	6793.6	6380.7
67.5°	1007.3	1006.5	1077.6	1320.0	2406.2	5651.8	9302.5	9792.5	8517.9	7007.7	6051.8
70°	766.6	769.2	832.6	990.2	1246.3	3762.1	8655.0	9492.7	8718.3	6362.7	4894.5
72.5°	508.8	514.0	619.3	800.1	995.4	1844.2	6725.9	7595.4	7335.8	5110.4	3445.2
75°	304.1	308.4	383.8	581.6	884.9	1032.2	4273.5	5250.9	5049.6	3522.3	1846.8
77.5°	125.1	128.5	197.0	362.3	647.6	801.8	2363.3	3435.8	3024.6	1400.5	504.5
80°	52.3	54.0	95.1	253.5	466.8	502.8	1094.7	1614.7	1239.5	301.5	154.2
82.5°	18.8	19.7	35.1	139.6	290.4	378.6	552.5	638.2	349.5	98.5	83.1
85°	0.9	0.9	8.6	47.1	110.5	107.1	316.1	305.8	115.6	41.1	49.7
87.5°	0.0	0.0	0.9	0.9	1.7	4.3	30.0	53.1	24.8	10.3	21.4
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°	2791.6	2791.6	2791.6	2791.6	2791.6	2791.6	2791.6	2791.6	2791.6	2791.6	2791.6
2.5°	2773.6	2728.2	2678.5	2632.3	2558.6	2514.9	2461.0	2437.0	2402.7	2394.2	2399.3
5°	2717.1	2639.1	2520.1	2412.2	2272.5	2160.3	2047.2	1999.3	1937.6	1896.5	1879.4
7.5°	2637.4	2535.5	2349.6	2153.5	1961.6	1756.9	1601.0	1498.2	1404.8	1353.4	1343.1
10°	2556.9	2424.1	2157.7	1876.8	1579.5	1334.6	1123.8	967.9	841.2	783.8	739.2
12.5°	2473.8	2308.5	1962.4	1595.8	1250.6	916.5	656.1	504.5	413.7	377.8	383.8
15°	2397.6	2197.1	1768.9	1314.9	880.6	553.4	362.3	305.8	284.4	277.5	276.7
17.5°	2324.8	2091.8	1576.1	1041.6	580.8	339.2	277.5	263.8	257.8	254.4	254.4
20°	2258.8	1990.7	1387.7	784.6	375.2	269.0	251.0	244.1	239.0	236.4	236.4
22.5°	2197.1	1893.1	1203.5	555.1	276.7	241.6	230.4	223.6	217.6	214.1	214.1
25°	2141.5	1804.8	1027.9	382.0	238.1	221.0	209.0	201.3	191.0	185.0	185.0
27.5°	2101.2	1726.0	859.2	278.4	215.0	198.7	185.0	174.7	163.6	156.8	155.0
30°	2077.2	1659.2	688.7	228.7	193.6	177.3	161.9	149.0	136.2	129.3	128.5
32.5°	2063.5	1597.5	532.8	199.6	175.6	156.8	139.6	125.9	113.1	105.4	104.5
35°	2068.7	1549.6	399.2	179.9	158.5	138.8	119.9	106.2	95.1	88.2	86.5
37.5°	2113.2	1528.2	299.8	164.5	143.9	123.3	103.6	90.8	80.5	75.4	74.5
40°	2199.7	1532.4	235.6	152.5	131.9	107.9	89.1	77.1	69.4	65.1	64.2
42.5°	2334.2	1568.4	194.4	142.2	119.1	94.2	77.1	67.7	60.0	55.7	54.8
45°	2534.6	1642.9	169.6	130.2	105.4	81.4	66.8	58.2	51.4	46.3	45.4
47.5°	2825.0	1772.3	153.3	119.1	93.4	70.2	57.4	48.8	42.8	38.5	37.7
50°	3134.3	1927.3	139.6	107.9	83.1	60.8	48.8	40.3	35.1	30.8	30.0
52.5°	3464.0	2094.4	129.3	97.7	73.7	52.3	41.1	33.4	28.3	24.0	23.1
55°	3781.0	2262.2	117.4	90.8	62.5	44.5	34.3	27.4	22.3	18.8	18.8
57.5°	4089.3	2416.4	104.5	79.7	51.4	37.7	28.3	22.3	18.0	15.4	14.6
60°	4457.7	2629.7	89.9	67.7	42.8	31.7	23.1	18.0	14.6	12.0	12.0
62.5°	5005.0	2851.6	77.1	56.5	36.0	26.6	18.8	14.6	12.0	10.3	9.4
65°	5184.1	2731.7	65.1	46.3	29.1	21.4	15.4	12.8	10.3	9.4	8.6
67.5°	4706.1	2239.1	54.0	37.7	24.0	18.0	13.7	11.1	9.4	8.6	7.7
70°	3672.2	1589.0	42.0	28.3	19.7	14.6	12.0	10.3	8.6	7.7	7.7
72.5°	2497.8	939.7	33.4	21.4	16.3	12.8	10.3	9.4	8.6	7.7	6.9
75°	1230.1	334.1	25.7	16.3	12.8	11.1	9.4	8.6	7.7	6.9	6.9
77.5°	331.5	92.5	19.7	12.8	10.3	8.6	8.6	8.6	7.7	6.0	6.0
80°	112.2	38.5	14.6	9.4	8.6	6.9	6.0	7.7	6.9	6.0	5.1
82.5°	61.7	18.8	10.3	7.7	6.0	5.1	5.1	5.1	5.1	4.3	4.3
85°	39.4	10.3	6.9	6.0	6.0	4.3	3.4	3.4	2.6	2.6	2.6
87.5°	18.0	6.0	6.0	5.1	5.1	4.3	2.6	1.7	0.9	0.9	0.9
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)