

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: P634787

Luminaire Tested: GWS-SA3C-740-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634787
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-740-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13708 lumens
Efficiency: N/A
Efficacy: 147.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

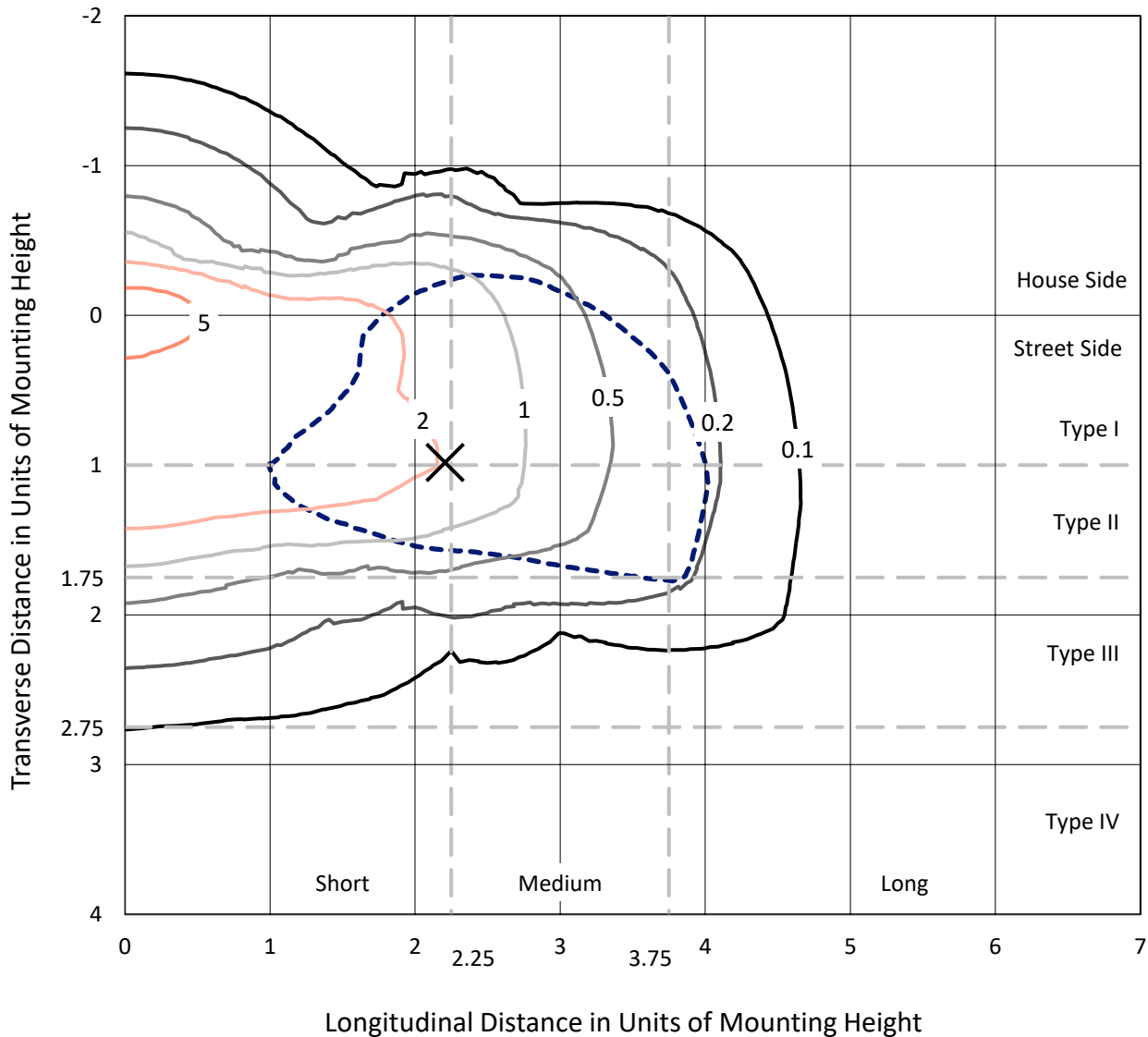
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

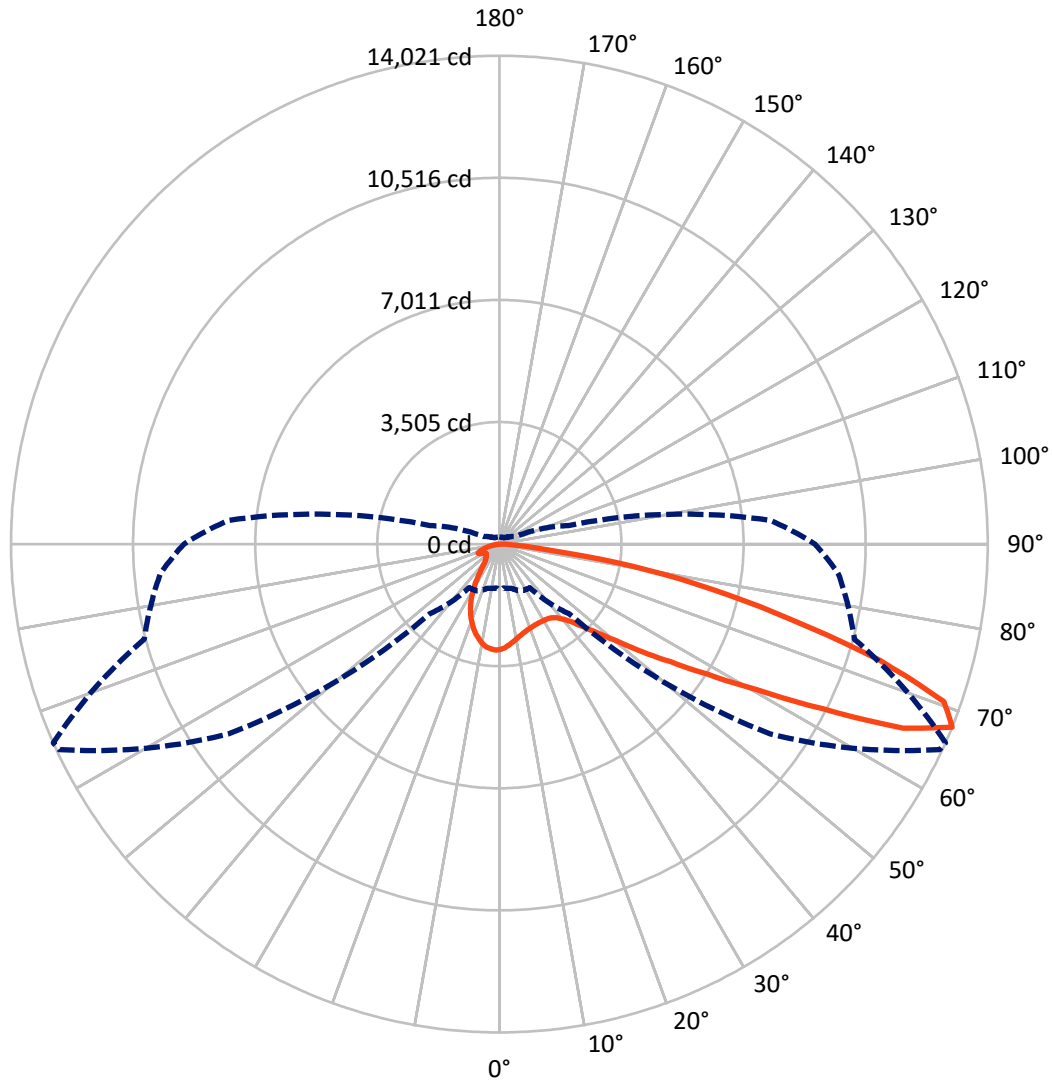
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2781.7	0.0	2781.7
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	10926.3	0.0	10926.3
	% Fixture	79.7	0.0	79.7
Total	Lumens	13708.0	0.0	13708.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.8	1.9
10°-20°	653.3	4.8
20°-30°	898.0	6.6
30°-40°	1227.8	9.0
40°-50°	1860.4	13.6
50°-60°	2892.0	21.1
60°-70°	3520.9	25.7
70°-80°	2144.8	15.6
80°-90°	245.0	1.8
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°	13708.0	100.0
0°-180°	13708.0	100.0

Coefficient of Utilization



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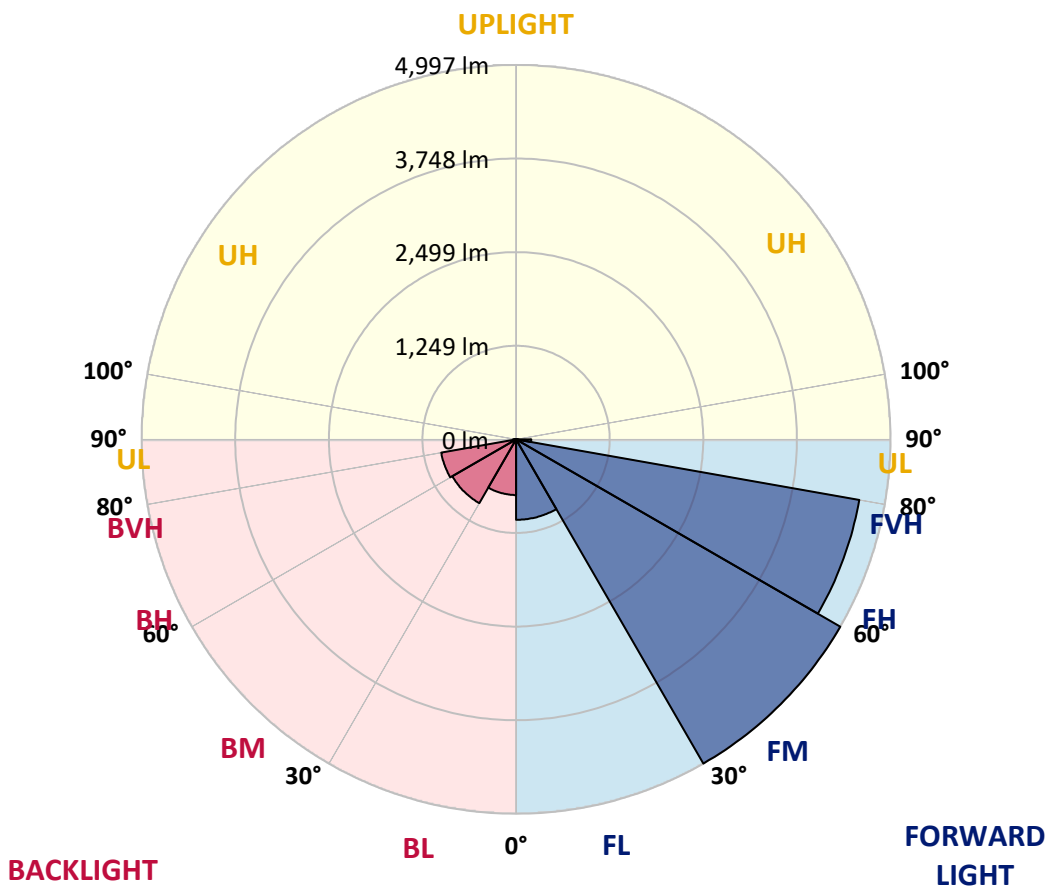
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1074.1	7.8			
FM (30°-60°)	4997.1	36.5			
FH (60°-80°)	4651.5	33.9			G2/5000
FVH (80°-90°)	203.7	1.5			G2/225
BL (0°-30°)	743.1	5.4	B2/1000		
BM (30°-60°)	983.0	7.2	B1/1000		
BH (60°-80°)	1014.2	7.4	B3/2500		G3/2500
BVH (80°-90°)	41.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1
2.5°	2837.1	2847.1	2841.1	2879.1	2881.1	2929.1	2956.1	2979.1	2981.1	3011.1	3031.1
5°	2643.1	2649.1	2649.1	2685.1	2709.1	2773.1	2835.1	2901.1	2906.1	2978.1	3033.1
7.5°	2486.1	2492.1	2488.1	2536.1	2567.1	2638.1	2717.1	2818.1	2828.1	2944.1	3040.1
10°	2363.1	2361.1	2371.1	2415.1	2455.1	2540.1	2628.1	2743.1	2758.1	2905.1	3048.1
12.5°	2279.1	2281.1	2287.1	2333.1	2376.1	2460.1	2551.1	2676.1	2692.1	2860.1	3044.1
15°	2239.1	2235.1	2240.1	2282.1	2323.1	2397.1	2491.1	2620.1	2636.1	2820.1	3045.1
17.5°	2230.1	2227.1	2226.1	2256.1	2287.1	2356.1	2446.1	2577.1	2594.1	2794.1	3051.1
20°	2258.1	2254.1	2243.1	2256.1	2269.1	2327.1	2414.1	2546.1	2565.1	2777.1	3063.1
22.5°	2335.1	2328.1	2311.1	2295.1	2278.1	2313.1	2394.1	2523.1	2542.1	2766.1	3075.1
25°	2452.1	2446.1	2428.1	2392.1	2330.1	2324.1	2390.1	2513.1	2532.1	2758.1	3080.1
27.5°	2613.1	2604.1	2586.1	2534.1	2433.1	2365.1	2405.1	2512.1	2530.1	2749.1	3075.1
30°	2804.1	2798.1	2788.1	2725.1	2590.1	2452.1	2439.1	2520.1	2534.1	2744.1	3065.1
32.5°	2998.1	2992.1	3000.1	2970.1	2804.1	2596.1	2513.1	2542.1	2552.1	2743.1	3056.1
35°	3169.1	3176.1	3234.1	3239.1	3076.1	2791.1	2630.1	2593.1	2595.1	2763.1	3060.1
37.5°	3348.1	3375.1	3451.1	3516.1	3380.1	3049.1	2804.1	2689.1	2687.1	2814.1	3085.1
40°	3585.1	3597.1	3694.1	3816.1	3731.1	3403.1	3051.1	2846.1	2832.1	2918.1	3152.1
42.5°	3816.1	3845.1	4000.1	4140.1	4112.1	3802.1	3362.1	3081.1	3056.1	3102.1	3290.1
45°	4110.1	4138.1	4312.1	4492.1	4543.1	4253.1	3760.1	3415.1	3390.1	3379.1	3543.1
47.5°	4404.1	4433.1	4589.1	4849.1	5028.1	4817.1	4278.1	3856.1	3815.1	3772.1	3925.1
50°	4602.1	4636.1	4785.1	5097.1	5517.1	5521.1	4892.1	4434.1	4382.1	4314.1	4463.1
52.5°	4595.1	4617.1	4759.1	5119.1	5869.2	6330.2	5714.1	5170.1	5128.1	4980.1	5110.1
55°	4234.1	4267.1	4410.1	4860.1	5907.2	7097.2	6922.2	6038.2	5963.2	5698.1	5841.2
57.5°	3509.1	3537.1	3681.1	4236.1	5570.1	7490.2	8456.2	7144.2	7041.2	6480.2	6645.2
60°	2649.1	2615.1	2683.1	3169.1	4764.1	7500.2	9810.3	8644.2	8472.2	7316.2	7454.2
62.5°	1988.1	1954.1	1969.1	2106.1	3230.1	6894.2	10582.3	10696.3	10412.3	8260.2	8233.2
65°	1571.0	1552.0	1595.0	1689.0	1883.0	5250.1	10588.3	12915.3	12736.3	9354.2	9032.2
67.5°	1280.0	1268.0	1312.0	1486.0	1527.0	2821.1	9494.2	13951.4	14021.4	10552.3	9773.3
70°	1031.0	1013.0	1082.0	1311.0	1420.0	1707.0	6801.2	13423.3	13536.4	11266.3	9564.2
72.5°	712.0	713.0	748.0	1062.0	1371.0	1474.0	3847.1	11177.3	11422.3	10619.3	8408.2
75°	480.0	484.0	494.0	701.0	1263.0	1430.0	2050.1	8462.2	8635.2	8777.2	6950.2
77.5°	290.0	292.0	315.0	424.0	871.0	1335.0	1389.0	6134.2	6270.2	5786.2	4308.1
80°	168.0	175.0	196.0	284.0	588.0	1003.0	1075.0	3761.1	3915.1	2572.1	1369.0
82.5°	74.0	79.0	107.0	165.0	343.0	853.0	839.0	1486.0	1464.0	717.0	475.0
85°	13.0	16.0	23.0	52.0	126.0	450.0	651.0	656.0	617.0	272.0	197.0
87.5°	0.0	0.0	0.0	0.0	0.0	3.0	98.0	176.0	175.0	77.0	68.0
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°	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1	3029.1
2.5°	3044.1	3017.1	3041.1	3044.1	3039.1	3035.1	3005.1	2979.1	2976.1	2948.1	2948.1
5°	3055.1	3030.1	3042.1	3019.1	2983.1	2946.1	2882.1	2838.1	2818.1	2782.1	2782.1
7.5°	3070.1	3044.1	3030.1	2973.1	2889.1	2808.1	2705.1	2619.1	2584.1	2533.1	2531.1
10°	3084.1	3051.1	3003.1	2892.1	2758.1	2629.1	2479.1	2357.1	2274.1	2213.1	2213.1
12.5°	3083.1	3040.1	2945.1	2781.1	2596.1	2409.1	2209.1	2025.1	1915.0	1820.0	1814.0
15°	3081.1	3022.1	2871.1	2652.1	2407.1	2148.1	1876.0	1636.0	1473.0	1380.0	1372.0
17.5°	3079.1	2999.1	2788.1	2505.1	2177.1	1824.0	1465.0	1205.0	1069.0	1012.0	1014.0
20°	3079.1	2973.1	2699.1	2336.1	1912.0	1436.0	1075.0	886.0	852.0	855.0	858.0
22.5°	3070.1	2941.1	2600.1	2152.1	1617.0	1056.0	793.0	729.0	747.0	775.0	779.0
25°	3049.1	2888.1	2485.1	1948.1	1266.0	769.0	647.0	635.0	668.0	703.0	713.0
27.5°	3016.1	2827.1	2356.1	1709.0	932.0	618.0	569.0	568.0	594.0	620.0	629.0
30°	2981.1	2759.1	2220.1	1443.0	675.0	538.0	519.0	519.0	532.0	548.0	546.0
32.5°	2940.1	2690.1	2074.1	1166.0	550.0	493.0	487.0	484.0	486.0	492.0	492.0
35°	2905.1	2629.1	1924.1	873.0	493.0	468.0	462.0	455.0	452.0	448.0	450.0
37.5°	2892.1	2581.1	1769.0	658.0	465.0	450.0	440.0	430.0	423.0	421.0	420.0
40°	2913.1	2561.1	1614.0	542.0	445.0	431.0	420.0	407.0	401.0	401.0	401.0
42.5°	2995.1	2576.1	1456.0	490.0	431.0	415.0	399.0	387.0	385.0	387.0	388.0
45°	3145.1	2634.1	1292.0	464.0	419.0	399.0	380.0	371.0	371.0	373.0	373.0
47.5°	3413.1	2786.1	1130.0	448.0	407.0	386.0	366.0	357.0	356.0	358.0	358.0
50°	3877.1	3060.1	984.0	437.0	398.0	376.0	356.0	344.0	341.0	340.0	340.0
52.5°	4462.1	3535.1	891.0	429.0	387.0	365.0	345.0	329.0	323.0	320.0	320.0
55°	5169.1	4168.1	891.0	423.0	373.0	352.0	329.0	313.0	304.0	300.0	300.0
57.5°	5970.2	4905.1	1045.0	418.0	362.0	337.0	312.0	296.0	286.0	280.0	280.0
60°	6785.2	5684.1	1426.0	411.0	352.0	318.0	293.0	278.0	265.0	258.0	257.0
62.5°	7630.2	6542.2	1928.1	415.0	345.0	300.0	273.0	256.0	245.0	238.0	237.0
65°	8404.2	7359.2	2367.1	446.0	346.0	284.0	250.0	235.0	226.0	217.0	216.0
67.5°	9061.2	7810.2	2059.1	509.0	367.0	265.0	227.0	212.0	204.0	198.0	197.0
70°	8601.2	7122.2	1168.0	548.0	396.0	245.0	201.0	191.0	183.0	179.0	178.0
72.5°	7355.2	6030.2	781.0	484.0	361.0	219.0	177.0	169.0	163.0	158.0	157.0
75°	5958.2	4782.1	597.0	397.0	281.0	178.0	152.0	146.0	140.0	135.0	134.0
77.5°	3525.1	2763.1	440.0	314.0	198.0	139.0	126.0	121.0	115.0	111.0	110.0
80°	1125.0	960.0	279.0	216.0	131.0	107.0	97.0	93.0	87.0	82.0	81.0
82.5°	429.0	371.0	148.0	110.0	87.0	73.0	65.0	61.0	57.0	52.0	51.0
85°	190.0	178.0	82.0	59.0	47.0	36.0	32.0	30.0	25.0	21.0	20.0
87.5°	67.0	67.0	35.0	17.0	10.0	5.0	3.0	1.0	0.0	0.0	0.0
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)