

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: P641496

Luminaire Tested: GWS-SA6B-722-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641496
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-722-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12362.9 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

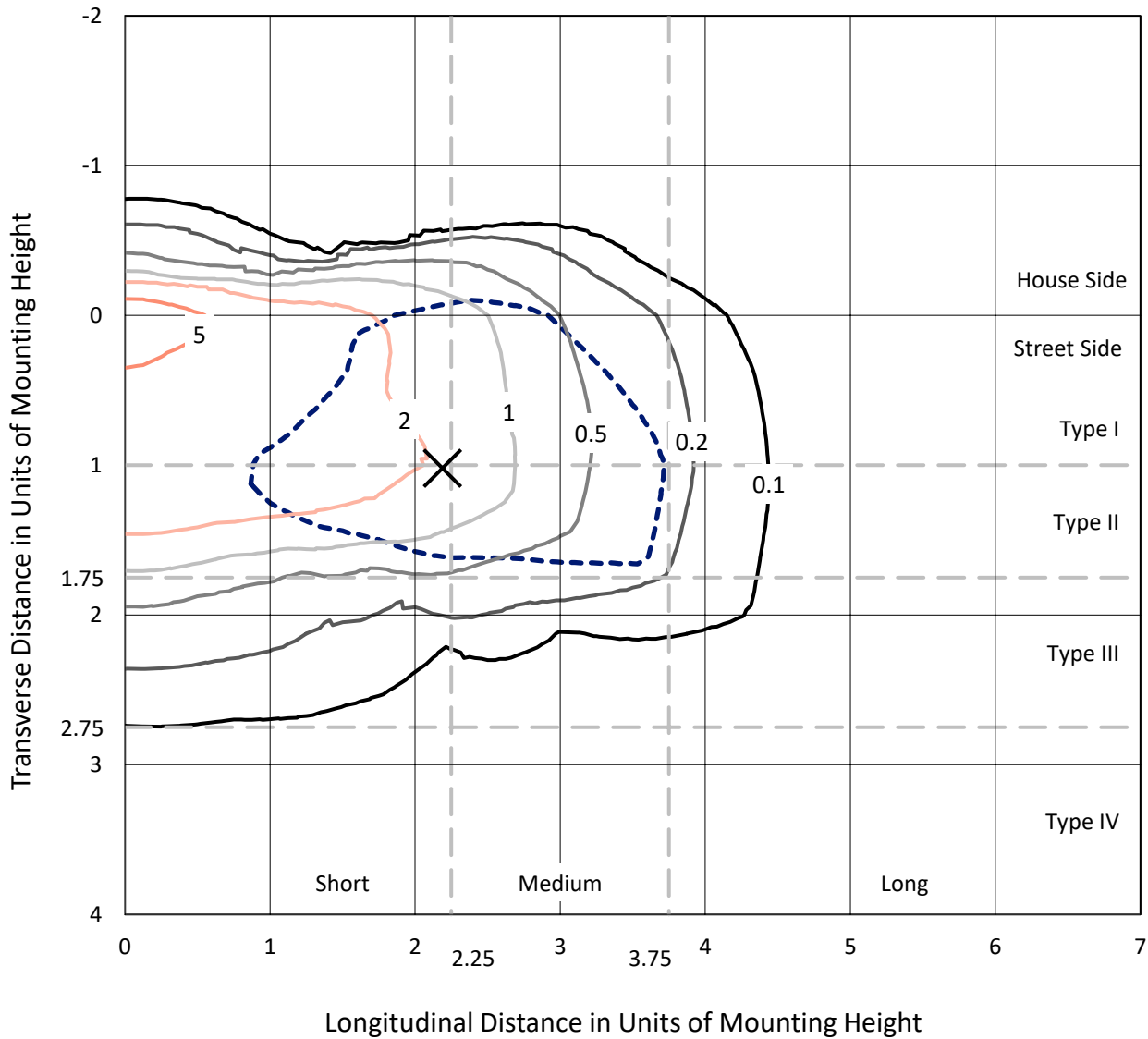
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

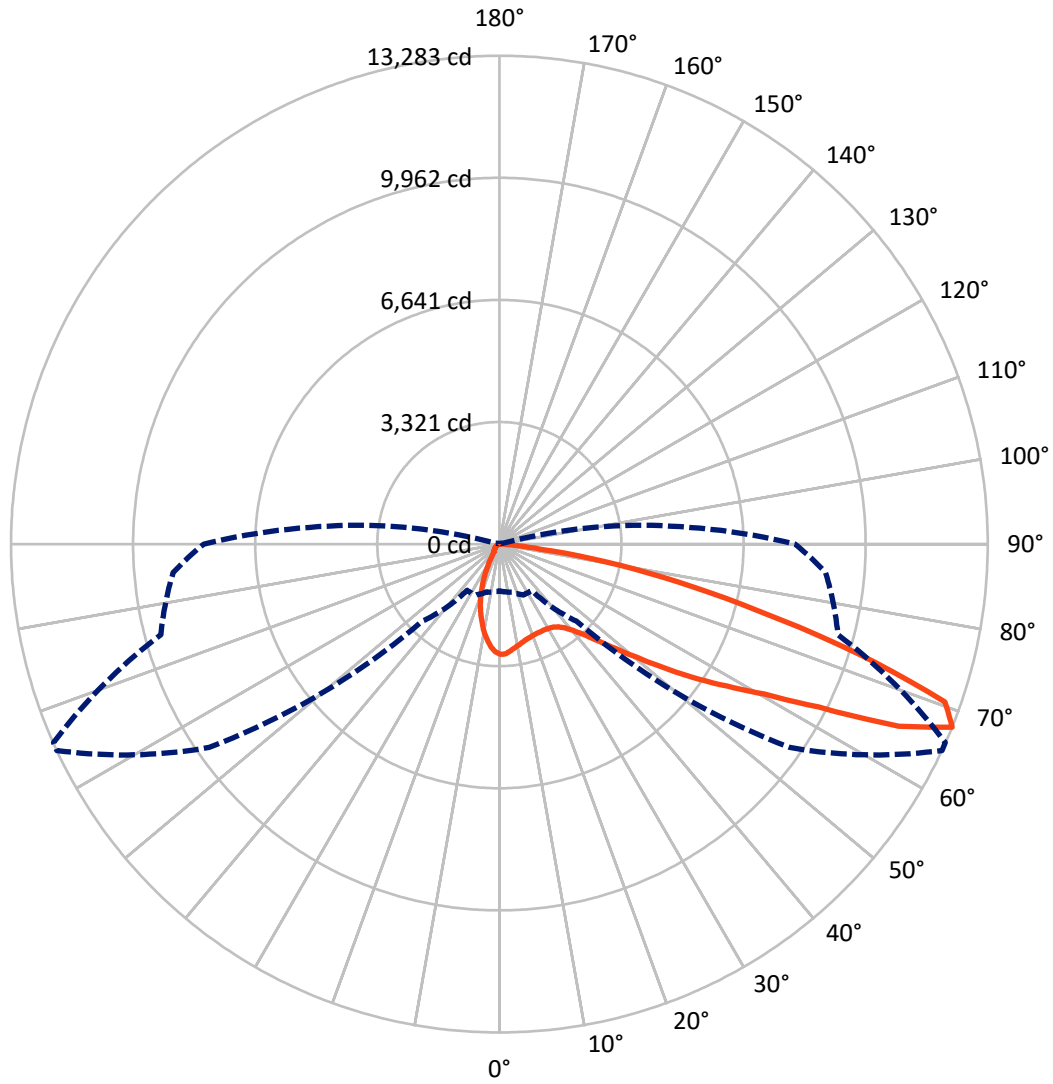
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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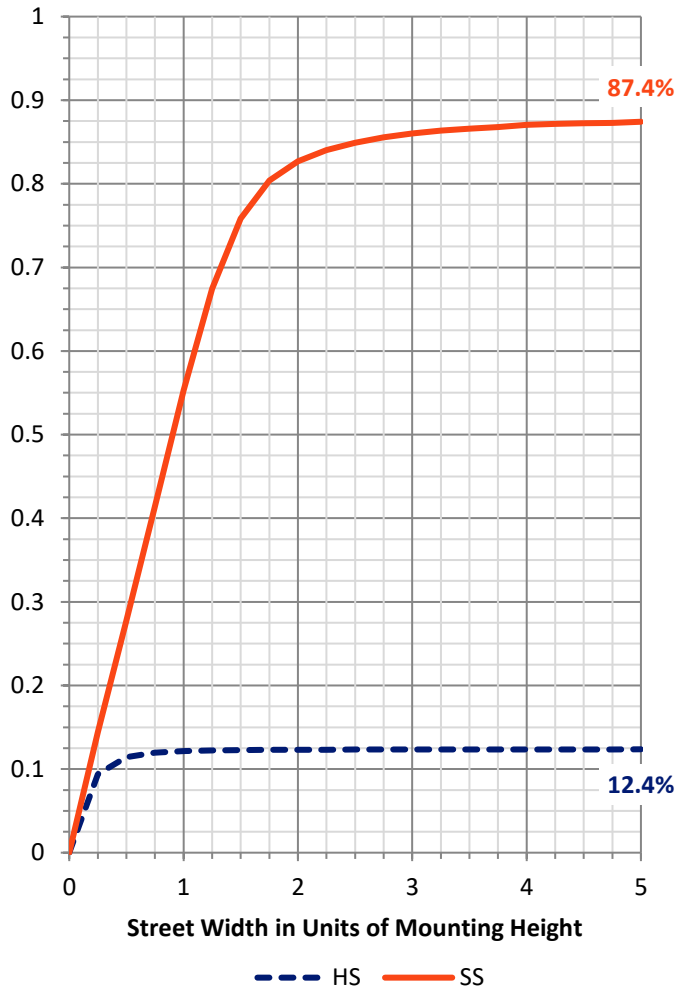
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1543.8	0.0	1543.8
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	10819.1	0.0	10819.1
	% Fixture	87.5	0.0	87.5
Total	Lumens	12362.9	0.0	12362.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.0	2.0
10°-20°	559.8	4.5
20°-30°	799.9	6.5
30°-40°	1163.8	9.4
40°-50°	1822.7	14.7
50°-60°	2843.5	23.0
60°-70°	3123.4	25.3
70°-80°	1662.3	13.4
80°-90°	138.4	1.1
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°	12362.9	100.0
0°-180°	12362.9	100.0

Coefficient of Utilization

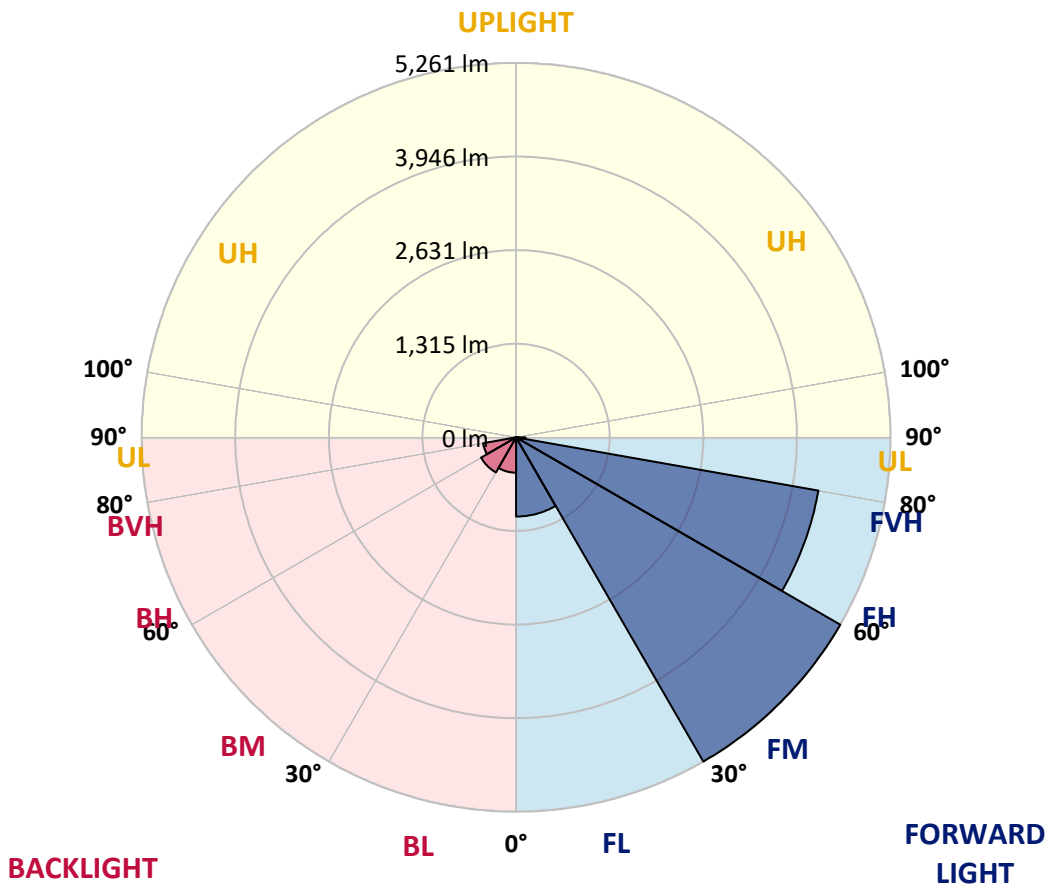


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1112.6	9.0			
FM (30°-60°)	5261.4	42.6			
FH (60°-80°)	4314.2	34.9			G2/5000
FVH (80°-90°)	131.0	1.1			G2/225
BL (0°-30°)	496.2	4.0	B1/500		
BM (30°-60°)	568.6	4.6	B1/1000		
BH (60°-80°)	471.5	3.8	B1/500		G1/500
BVH (80°-90°)	7.4	0.1			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4
2.5°	2894.4	2903.4	2891.1	2921.3	2926.8	2960.4	2979.4	2992.8	2991.7	3008.5	3008.5
5°	2724.5	2733.4	2726.7	2759.1	2784.9	2837.4	2881.0	2931.3	2933.6	2985.0	3004.0
7.5°	2580.3	2581.4	2581.4	2621.6	2655.2	2720.0	2784.9	2862.0	2870.9	2950.3	3000.6
10°	2461.8	2465.1	2466.2	2512.1	2549.0	2627.2	2710.0	2802.7	2812.8	2920.1	2998.4
12.5°	2380.2	2381.3	2385.7	2433.8	2474.1	2555.7	2639.5	2745.7	2759.1	2885.5	2988.3
15°	2341.0	2338.8	2341.0	2381.3	2421.5	2499.8	2585.9	2699.9	2714.4	2856.4	2989.4
17.5°	2338.8	2335.4	2333.2	2363.4	2389.1	2458.4	2545.6	2669.7	2685.4	2843.0	3001.7
20°	2371.2	2369.0	2357.8	2371.2	2376.8	2433.8	2519.9	2646.2	2661.9	2840.8	3028.6
22.5°	2456.2	2450.6	2433.8	2421.5	2391.3	2424.9	2502.0	2629.5	2647.4	2846.3	3063.2
25°	2582.5	2580.3	2559.0	2528.8	2451.7	2438.3	2503.1	2629.5	2646.2	2853.1	3100.1
27.5°	2772.6	2759.1	2732.3	2679.8	2569.1	2490.8	2525.5	2636.2	2652.9	2862.0	3130.3
30°	2966.0	2964.9	2955.9	2902.2	2737.9	2591.5	2572.4	2654.1	2669.7	2869.8	3158.3
32.5°	3166.1	3169.4	3191.8	3150.4	2970.4	2741.3	2657.4	2691.0	2702.1	2885.5	3182.9
35°	3356.1	3362.9	3422.1	3436.6	3253.3	2968.2	2796.0	2764.7	2765.9	2920.1	3215.3
37.5°	3538.4	3560.7	3655.8	3726.2	3605.4	3243.2	2996.2	2889.9	2881.0	2989.4	3264.5
40°	3745.2	3787.7	3907.3	4026.9	3988.9	3606.6	3268.9	3082.2	3063.2	3116.9	3352.8
42.5°	3974.4	4020.2	4179.0	4346.7	4364.6	4045.9	3609.9	3362.9	3330.4	3331.5	3518.2
45°	4220.3	4281.8	4466.3	4707.8	4816.2	4535.6	4030.3	3741.8	3709.4	3661.3	3784.3
47.5°	4543.4	4597.1	4774.8	5053.2	5261.2	5061.0	4581.4	4229.3	4170.0	4099.6	4198.0
50°	4821.8	4868.8	5021.9	5370.7	5803.4	5738.5	5206.4	4838.6	4781.6	4661.9	4743.5
52.5°	4883.3	4920.2	5061.0	5453.5	6218.1	6593.8	5972.2	5575.3	5535.1	5313.7	5345.0
55°	4607.1	4663.0	4789.4	5225.4	6326.6	7430.0	6966.1	6406.0	6322.1	5968.8	6024.7
57.5°	3909.5	4009.0	4127.5	4694.4	6032.6	7875.0	8354.6	7285.8	7209.8	6599.4	6600.5
60°	2865.4	2945.8	3025.2	3544.0	5334.9	7844.8	9614.5	8274.1	8135.5	7114.8	7095.7
62.5°	2083.9	2125.3	2124.1	2308.6	3663.6	7328.3	10276.4	9763.2	9440.1	7665.9	7557.5
65°	1638.9	1637.8	1685.9	1746.3	2045.9	5656.9	10358.0	11937.7	11588.9	8404.9	8179.1
67.5°	1275.6	1300.2	1348.3	1526.0	1537.2	2960.4	9640.2	13282.6	13275.9	9532.9	8906.9
70°	983.8	1017.4	1085.5	1344.9	1419.8	1656.8	7213.1	12856.6	12965.1	10037.1	8391.5
72.5°	631.7	629.4	730.0	1086.7	1363.9	1380.7	3988.9	10212.6	10335.6	9091.3	6785.0
75°	353.3	355.5	412.5	665.2	1271.1	1299.1	1975.5	7282.4	7379.7	7087.9	5213.1
77.5°	138.6	143.1	193.4	349.9	838.5	1160.5	1173.9	4966.0	4980.6	4392.5	3197.4
80°	55.9	59.3	98.4	216.9	510.9	781.5	838.5	2925.7	2866.5	1700.4	930.2
82.5°	16.8	17.9	39.1	123.0	267.2	555.6	565.7	1122.4	1059.8	365.6	237.0
85°	1.1	1.1	8.9	38.0	95.0	139.7	376.8	365.6	324.2	91.7	105.1
87.5°	0.0	0.0	1.1	1.1	2.2	4.5	40.2	67.1	68.2	16.8	47.0
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°	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4	2998.4
2.5°	3008.5	2968.2	2964.9	2933.6	2902.2	2863.1	2817.3	2783.7	2760.3	2718.9	2711.1
5°	3004.0	2950.3	2900.0	2810.6	2711.1	2603.7	2509.8	2422.6	2367.9	2331.0	2315.3
7.5°	2995.0	2926.8	2810.6	2641.8	2475.2	2287.4	2140.9	2006.8	1915.1	1861.4	1837.9
10°	2988.3	2896.7	2707.7	2451.7	2193.5	1934.1	1711.6	1512.6	1401.9	1314.7	1300.2
12.5°	2974.9	2853.1	2575.8	2229.2	1896.1	1551.7	1267.8	1024.1	855.2	779.2	752.4
15°	2961.5	2807.2	2443.9	1994.5	1571.9	1147.0	802.7	567.9	451.7	415.9	413.6
17.5°	2959.3	2765.9	2300.8	1772.0	1232.0	751.3	457.2	367.8	343.2	334.3	334.3
20°	2966.0	2731.2	2159.9	1516.0	897.7	457.2	341.0	318.6	304.1	296.3	296.3
22.5°	2972.7	2695.4	2024.6	1257.7	595.9	334.3	300.7	281.7	265.0	256.0	251.5
25°	2977.2	2656.3	1874.8	998.3	389.1	290.7	263.8	239.2	219.1	207.9	207.9
27.5°	2976.0	2609.3	1723.9	744.6	301.9	258.3	225.8	200.1	180.0	167.7	168.8
30°	2967.1	2557.9	1567.4	519.9	263.8	225.8	193.4	166.6	146.5	136.4	135.3
32.5°	2960.4	2503.1	1386.3	365.6	237.0	197.9	164.3	138.6	121.9	114.0	112.9
35°	2952.6	2449.5	1214.1	278.4	213.5	171.0	138.6	117.4	104.0	97.3	97.3
37.5°	2954.8	2393.6	1027.4	239.2	190.1	148.7	118.5	100.6	89.4	82.7	81.6
40°	2989.4	2360.0	844.1	216.9	168.8	128.6	102.9	87.2	76.0	69.3	68.2
42.5°	3075.5	2361.2	668.5	200.1	149.8	109.6	89.4	74.9	64.8	57.0	55.9
45°	3247.7	2408.1	513.1	182.2	129.7	95.0	77.1	63.7	53.7	47.0	45.8
47.5°	3529.4	2547.9	389.1	166.6	112.9	82.7	66.0	53.7	44.7	39.1	38.0
50°	3977.7	2800.5	306.3	147.6	95.0	71.6	55.9	44.7	36.9	31.3	30.2
52.5°	4516.6	3179.5	262.7	130.8	81.6	62.6	48.1	36.9	30.2	25.7	24.6
55°	5135.9	3632.3	242.6	114.0	69.3	53.7	39.1	30.2	24.6	21.2	19.0
57.5°	5703.9	4040.3	241.5	97.3	59.3	45.8	32.4	25.7	21.2	16.8	15.7
60°	6257.3	4381.3	226.9	80.5	51.4	38.0	27.9	21.2	17.9	14.5	13.4
62.5°	6759.2	4658.6	190.1	64.8	43.6	31.3	23.5	19.0	15.7	12.3	12.3
65°	7389.8	5011.9	145.3	52.5	35.8	25.7	20.1	16.8	14.5	11.2	11.2
67.5°	8041.6	5198.6	104.0	43.6	29.1	22.4	17.9	15.7	12.3	10.1	10.1
70°	7283.6	4392.5	74.9	35.8	24.6	19.0	15.7	14.5	12.3	10.1	8.9
72.5°	5688.2	3167.2	55.9	27.9	21.2	17.9	14.5	13.4	11.2	8.9	8.9
75°	4218.1	1846.9	42.5	22.4	16.8	14.5	14.5	13.4	11.2	8.9	7.8
77.5°	2293.0	644.0	32.4	17.9	13.4	11.2	12.3	12.3	10.1	7.8	6.7
80°	607.1	176.6	22.4	13.4	11.2	8.9	8.9	11.2	8.9	6.7	6.7
82.5°	176.6	51.4	15.7	11.2	8.9	7.8	7.8	7.8	6.7	5.6	4.5
85°	86.1	19.0	11.2	8.9	7.8	6.7	5.6	5.6	4.5	3.4	3.4
87.5°	38.0	7.8	8.9	7.8	7.8	5.6	4.5	3.4	3.4	2.2	1.1
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)