

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: P637039

Luminaire Tested: GWS-SA4C-722-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637039
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-722-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8395.9 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

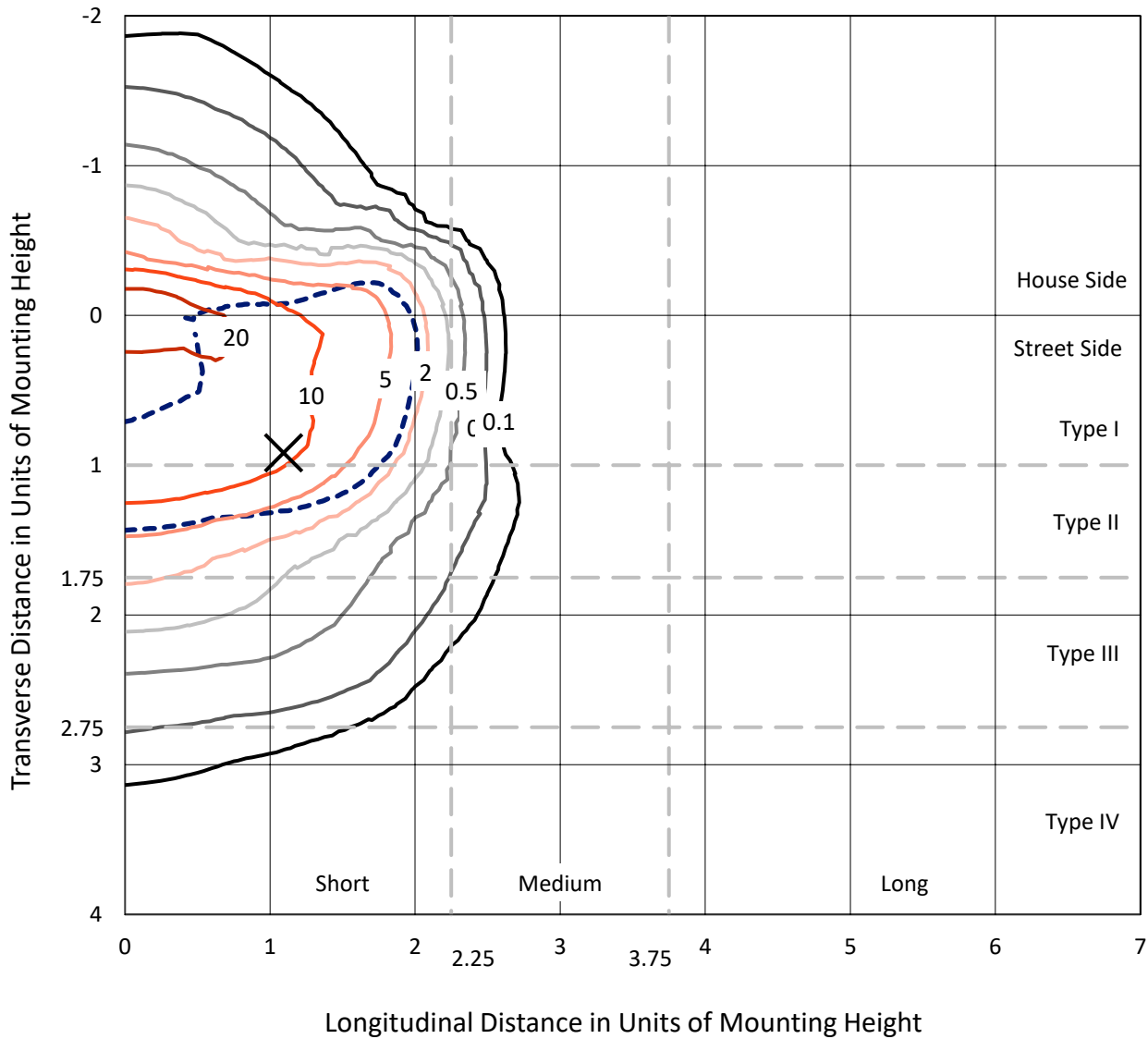
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637039
 CATALOG NUMBER: GWS-SA4C-722-U-SL2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

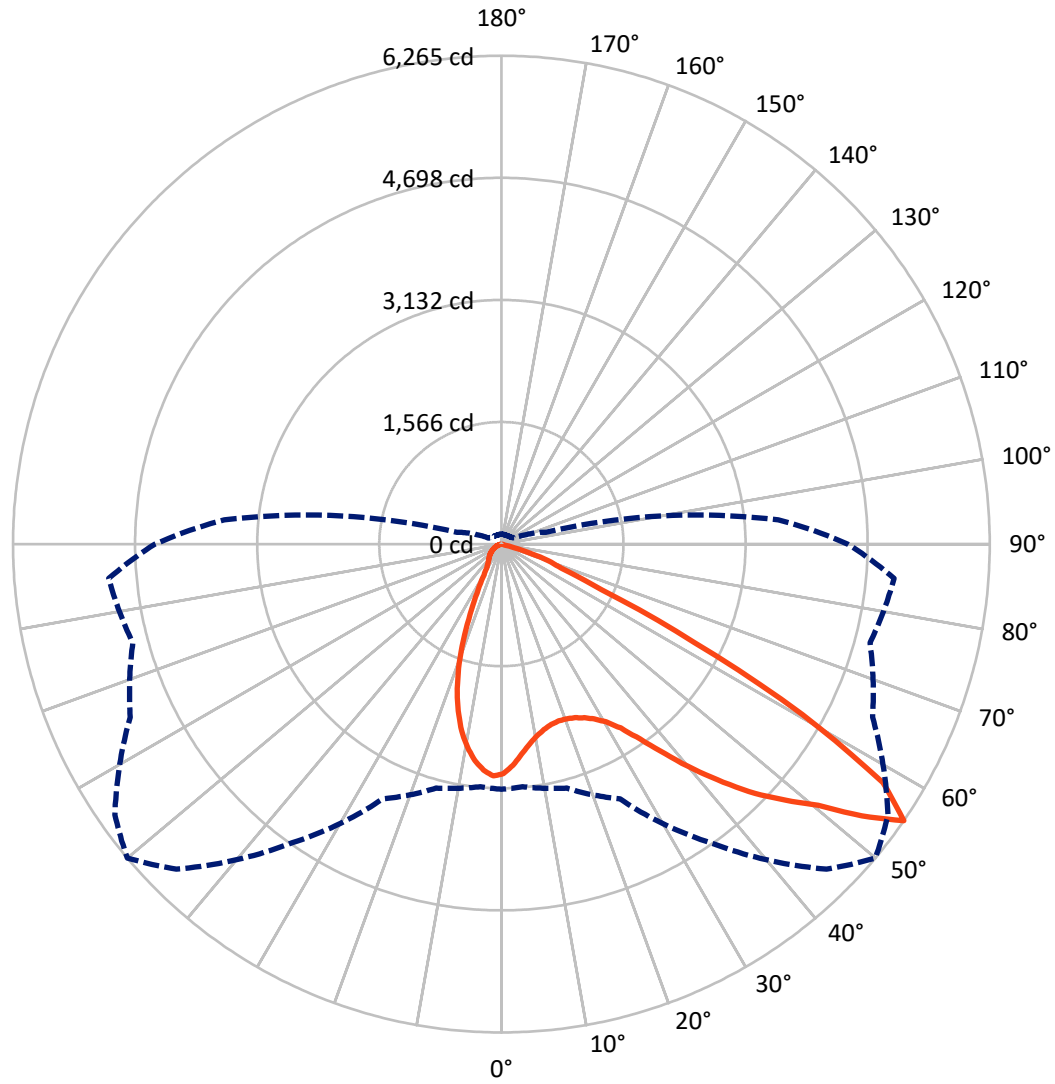
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 29.5 fc
 Type II - Short - N/A

REPORT NUMBER: P637039
CATALOG NUMBER: GWS-SA4C-722-U-SL2-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P637039
 CATALOG NUMBER: GWS-SA4C-722-U-SL2-W-GRSBK

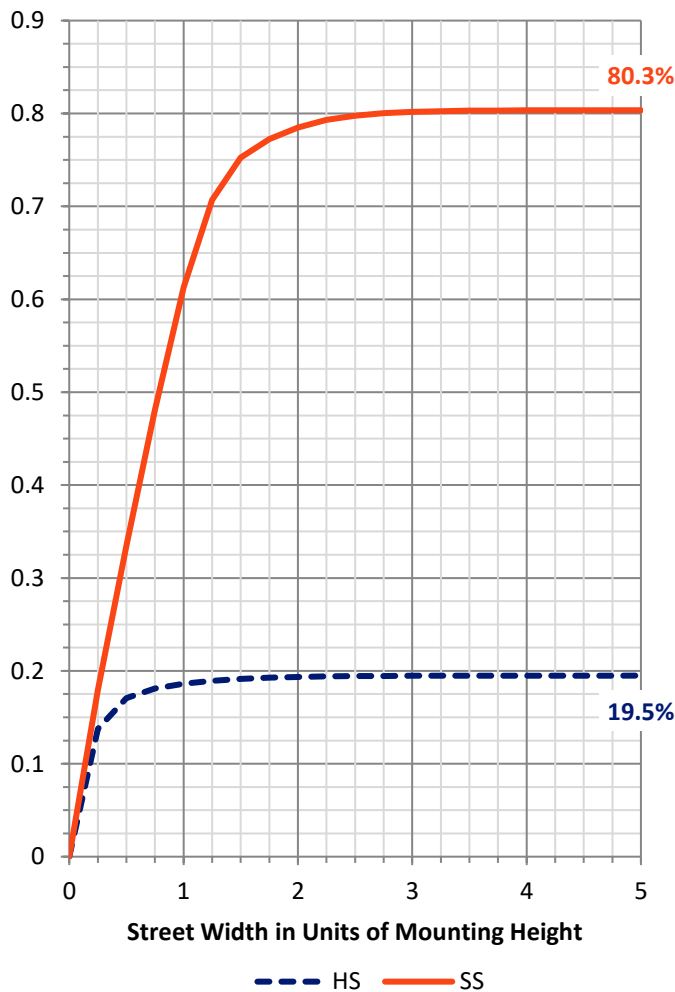
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1654.4	0.0	1654.4
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	6741.5	0.0	6741.5
	% Fixture	80.3	0.0	80.3
Total	Lumens	8395.9	0.0	8395.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.7	3.1
10°-20°	636.6	7.6
20°-30°	898.0	10.7
30°-40°	1328.8	15.8
40°-50°	1917.0	22.8
50°-60°	2261.3	26.9
60°-70°	1008.7	12.0
70°-80°	86.7	1.0
80°-90°	0.0	0.0
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°	8395.9	100.0
0°-180°	8395.9	100.0

Coefficient of Utilization



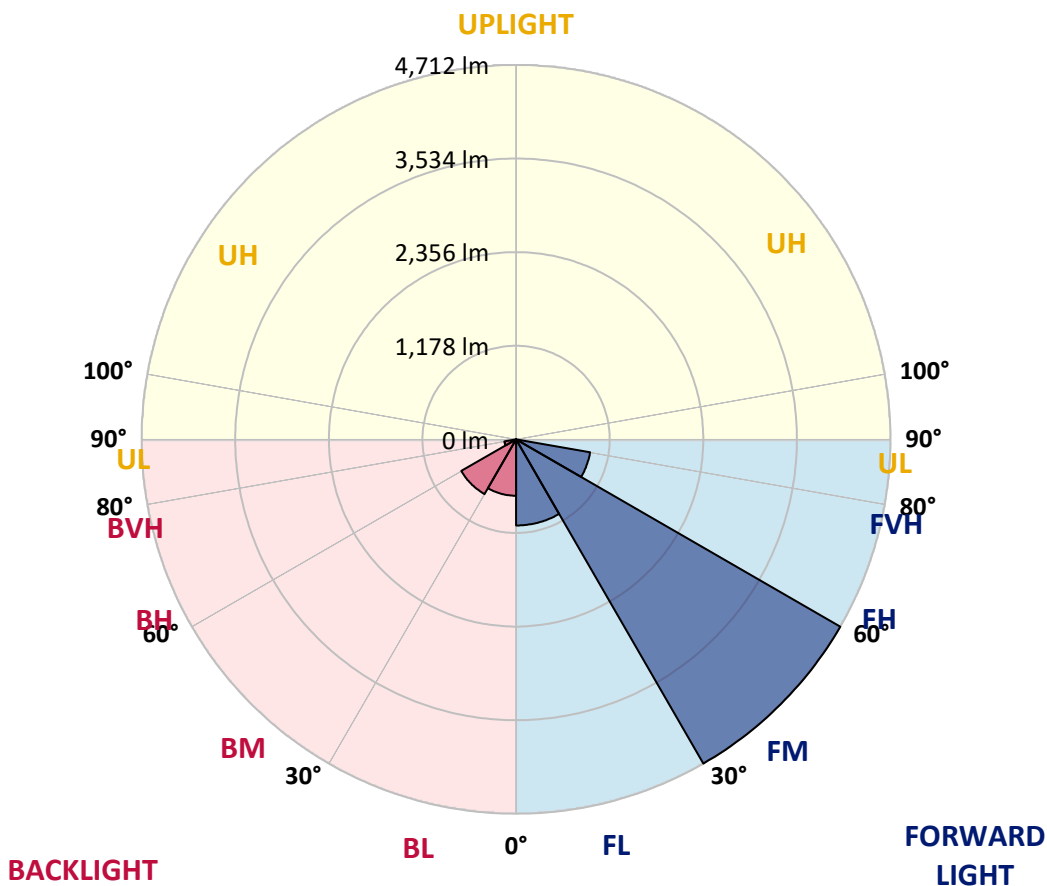
REPORT NUMBER: P637039

CATALOG NUMBER: GWS-SA4C-722-U-SL2-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1083.9	12.9			
FM (30°-60°)	4711.5	56.1			
FH (60°-80°)	946.1	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	709.3	8.4	B2/1000		
BM (30°-60°)	795.6	9.5	B1/1000		
BH (60°-80°)	149.4	1.8	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
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





REPORT NUMBER: P637039
 CATALOG NUMBER: GWS-SA4C-722-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	2945.7	2945.7	2945.7	2945.7	2945.7	2945.7	2945.7	2945.7	2945.7	2945.7	2945.7
2.5°	2736.7	2738.7	2739.7	2767.4	2777.7	2818.7	2840.2	2851.5	2881.2	2916.0	2944.7
5°	2553.2	2550.1	2555.2	2590.1	2612.6	2673.1	2705.9	2728.5	2794.1	2876.1	2944.7
7.5°	2393.3	2399.4	2405.6	2443.5	2477.3	2542.9	2590.1	2623.9	2715.1	2837.1	2952.9
10°	2280.5	2280.5	2289.8	2332.8	2372.8	2453.8	2500.9	2544.0	2652.6	2802.3	2962.1
12.5°	2197.5	2198.5	2209.8	2259.0	2305.1	2389.2	2438.4	2480.4	2600.3	2767.4	2964.2
15°	2158.6	2155.5	2164.7	2217.0	2268.2	2347.2	2398.4	2439.4	2563.4	2747.9	2974.4
17.5°	2148.3	2146.3	2153.5	2204.7	2257.0	2333.8	2384.1	2425.1	2558.3	2754.1	3005.2
20°	2178.0	2174.0	2170.9	2214.9	2264.1	2340.0	2392.3	2438.4	2582.9	2787.9	3052.3
22.5°	2248.8	2248.8	2241.6	2263.1	2295.9	2364.6	2418.9	2479.4	2647.5	2855.6	3122.0
25°	2378.9	2368.7	2355.4	2364.6	2360.5	2403.5	2468.1	2552.2	2769.5	2967.3	3207.1
27.5°	2527.6	2536.8	2514.2	2515.3	2479.4	2464.0	2538.8	2665.9	2950.9	3125.1	3333.2
30°	2729.5	2722.3	2723.3	2720.3	2637.2	2564.5	2645.4	2814.6	3179.4	3366.0	3497.2
32.5°	2887.3	2897.6	2931.4	2950.9	2842.2	2725.4	2811.5	3016.5	3439.8	3640.7	3698.1
35°	3054.4	3072.8	3141.5	3205.1	3113.8	2979.6	3071.8	3284.0	3684.7	3912.3	3928.7
37.5°	3230.7	3267.6	3349.6	3461.3	3447.0	3328.1	3412.1	3598.7	3877.4	4076.3	4119.3
40°	3432.6	3468.5	3602.8	3763.7	3797.5	3770.8	3798.5	3907.2	4004.5	4083.5	4201.3
42.5°	3654.0	3703.2	3873.3	4088.6	4215.7	4239.3	4174.7	4163.4	4059.9	4001.5	4183.9
45°	3915.4	3972.8	4165.5	4444.2	4646.2	4677.9	4566.2	4421.7	4094.7	3941.0	4131.6
47.5°	4208.5	4262.8	4454.5	4789.7	5090.0	5102.3	4907.5	4674.9	4198.3	4010.7	4171.6
50°	4306.9	4340.7	4506.8	4900.4	5453.8	5548.1	5266.3	4959.8	4406.3	4215.7	4366.3
52.5°	3968.7	3982.0	4126.5	4524.2	5380.0	5985.8	5790.0	5385.2	4776.3	4528.3	4666.7
55°	3144.6	3123.1	3239.9	3604.8	4675.9	5896.6	6264.6	6053.4	5252.9	4895.2	5057.2
57.5°	2199.6	2174.0	2147.3	2394.3	3489.0	4998.8	5772.6	6146.7	5707.0	5259.1	5478.4
60°	1808.0	1783.4	1654.3	1540.5	2109.4	3589.4	4434.0	5138.1	5670.1	5240.6	5465.1
62.5°	1562.0	1547.7	1495.4	1340.7	1241.2	2048.9	2776.6	3451.1	4351.0	4115.2	4127.5
65°	1226.9	1222.8	1258.7	1275.1	1097.7	1133.6	1416.5	1793.7	2352.3	2218.0	2103.2
67.5°	838.4	829.2	896.8	1102.9	1055.7	894.8	829.2	836.4	1017.8	622.2	494.0
70°	533.0	511.5	512.5	683.7	858.9	706.2	639.6	562.7	506.3	92.2	104.5
72.5°	341.3	328.0	281.9	308.5	397.7	344.4	347.5	299.3	199.9	49.2	57.4
75°	143.5	132.2	101.5	81.0	79.9	50.2	44.1	41.0	27.7	27.7	29.7
77.5°	1.0	0.0	0.0	1.0	2.0	1.0	1.0	2.0	4.1	6.1	7.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P637039
 CATALOG NUMBER: GWS-SA4C-722-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2945.7	2945.7	2945.7	2945.7	2945.7	2945.7	2945.7	2945.7	2945.7	2945.7	2945.7
2.5°	2962.1	2937.5	2965.2	2975.5	2974.4	2975.5	2945.7	2925.2	2924.2	2898.6	2886.3
5°	2973.4	2953.9	2974.4	2961.1	2929.3	2889.4	2836.1	2790.0	2769.5	2739.7	2725.4
7.5°	2994.9	2974.4	2971.4	2918.1	2839.2	2755.1	2660.8	2576.8	2531.7	2477.3	2480.4
10°	3010.3	2986.7	2946.8	2838.1	2706.9	2572.7	2432.2	2307.2	2228.3	2155.5	2143.2
12.5°	3016.5	2981.6	2888.4	2724.4	2539.9	2364.6	2158.6	1980.2	1857.2	1761.9	1748.6
15°	3027.7	2971.4	2813.5	2587.0	2333.8	2085.8	1823.4	1579.5	1416.5	1306.8	1316.1
17.5°	3045.2	2960.1	2729.5	2433.3	2112.5	1761.9	1407.3	1127.5	977.8	914.3	915.3
20°	3069.8	2946.8	2637.2	2264.1	1847.0	1396.0	984.0	772.8	730.8	728.7	725.7
22.5°	3102.6	2933.4	2538.8	2078.6	1532.3	977.8	655.0	589.4	606.8	640.6	646.8
25°	3141.5	2917.0	2429.2	1869.5	1189.0	641.6	491.0	480.7	522.7	567.8	578.1
27.5°	3202.0	2908.8	2304.1	1631.7	834.3	460.2	401.8	407.9	445.9	483.8	493.0
30°	3304.5	2924.2	2167.8	1365.3	536.1	366.9	348.5	357.7	378.2	397.7	405.9
32.5°	3443.9	2969.3	2035.6	1074.2	382.3	318.8	314.7	319.8	328.0	339.3	342.3
35°	3606.9	3047.2	1899.3	768.7	315.7	291.1	287.0	287.0	291.1	293.1	294.2
37.5°	3741.1	3129.2	1771.1	511.5	282.9	269.6	263.4	260.3	259.3	261.4	262.4
40°	3799.5	3163.0	1631.7	372.1	259.3	250.1	240.9	231.6	231.6	238.8	239.8
42.5°	3758.5	3125.1	1470.8	307.5	242.9	229.6	215.2	207.0	211.1	218.3	220.4
45°	3671.4	3031.8	1293.5	271.6	226.5	209.1	192.7	187.6	191.7	200.9	202.9
47.5°	3657.1	2970.3	1081.3	248.0	209.1	191.7	174.2	169.1	174.2	181.4	183.5
50°	3799.5	3023.6	845.6	227.5	192.7	173.2	158.9	153.7	156.8	160.9	163.0
52.5°	4059.9	3221.5	682.6	208.1	173.2	154.8	145.5	139.4	139.4	143.5	144.5
55°	4444.2	3566.9	589.4	185.5	150.7	140.4	132.2	126.1	126.1	128.1	129.1
57.5°	4887.0	3985.1	610.9	155.8	132.2	127.1	119.9	114.8	116.8	116.8	116.8
60°	4825.5	3954.3	653.9	131.2	116.8	114.8	108.6	106.6	111.7	107.6	105.6
62.5°	3554.6	2731.5	342.3	107.6	100.4	98.4	94.3	98.4	105.6	94.3	90.2
65°	1726.0	1322.2	137.3	88.1	85.1	83.0	81.0	87.1	91.2	73.8	69.7
67.5°	405.9	330.0	89.2	74.8	70.7	66.6	68.7	69.7	66.6	50.2	48.2
70°	105.6	103.5	69.7	62.5	56.4	52.3	52.3	51.2	44.1	31.8	29.7
72.5°	57.4	56.4	50.2	47.1	38.9	34.8	35.9	31.8	24.6	18.4	17.4
75°	28.7	30.7	28.7	26.6	21.5	19.5	19.5	17.4	12.3	7.2	7.2
77.5°	6.1	7.2	7.2	6.1	5.1	4.1	4.1	5.1	2.0	0.0	0.0
80°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)