

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: P641522

Luminaire Tested: GWS-SA6B-722-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641522
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-722-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13311 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

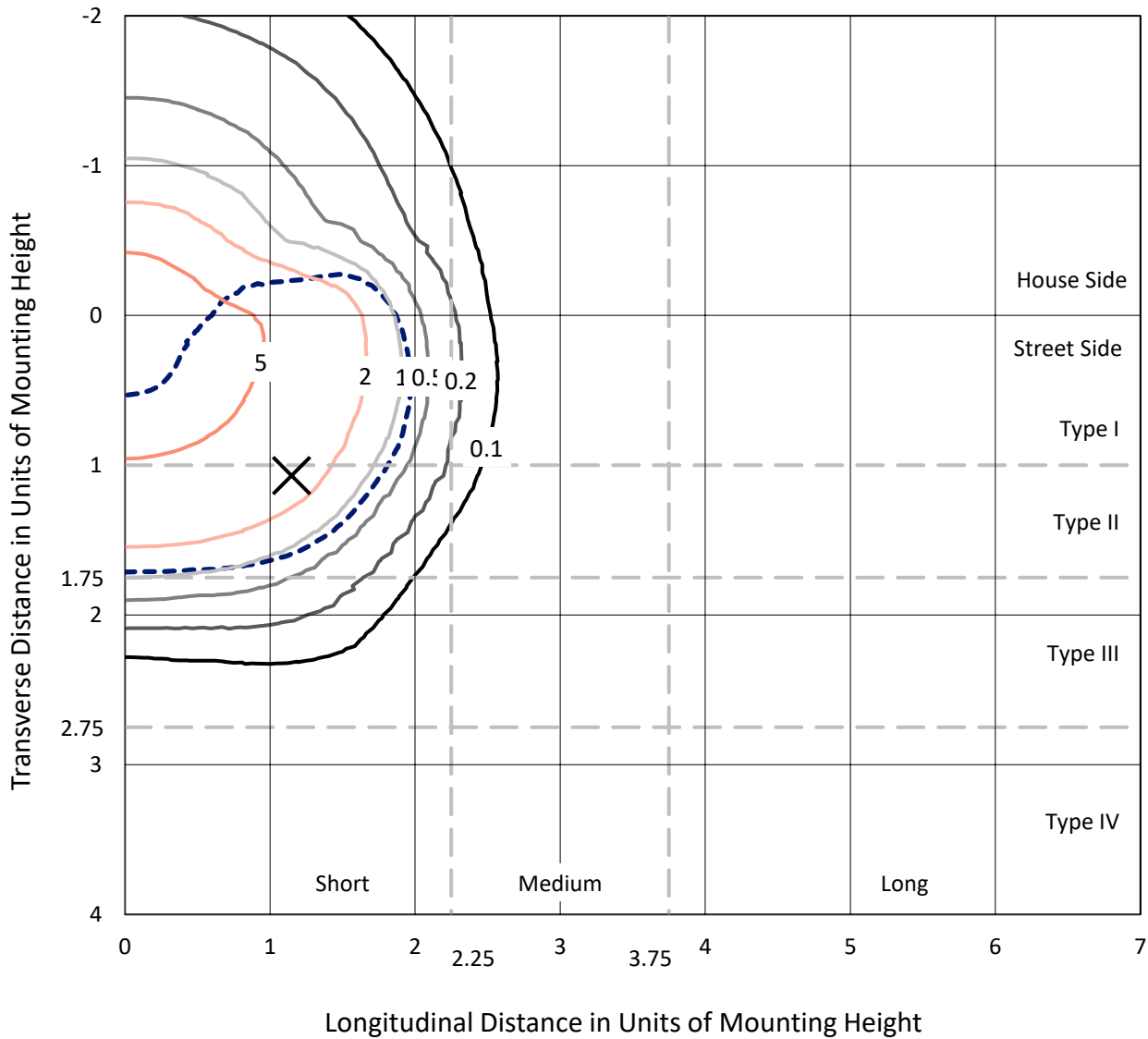
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

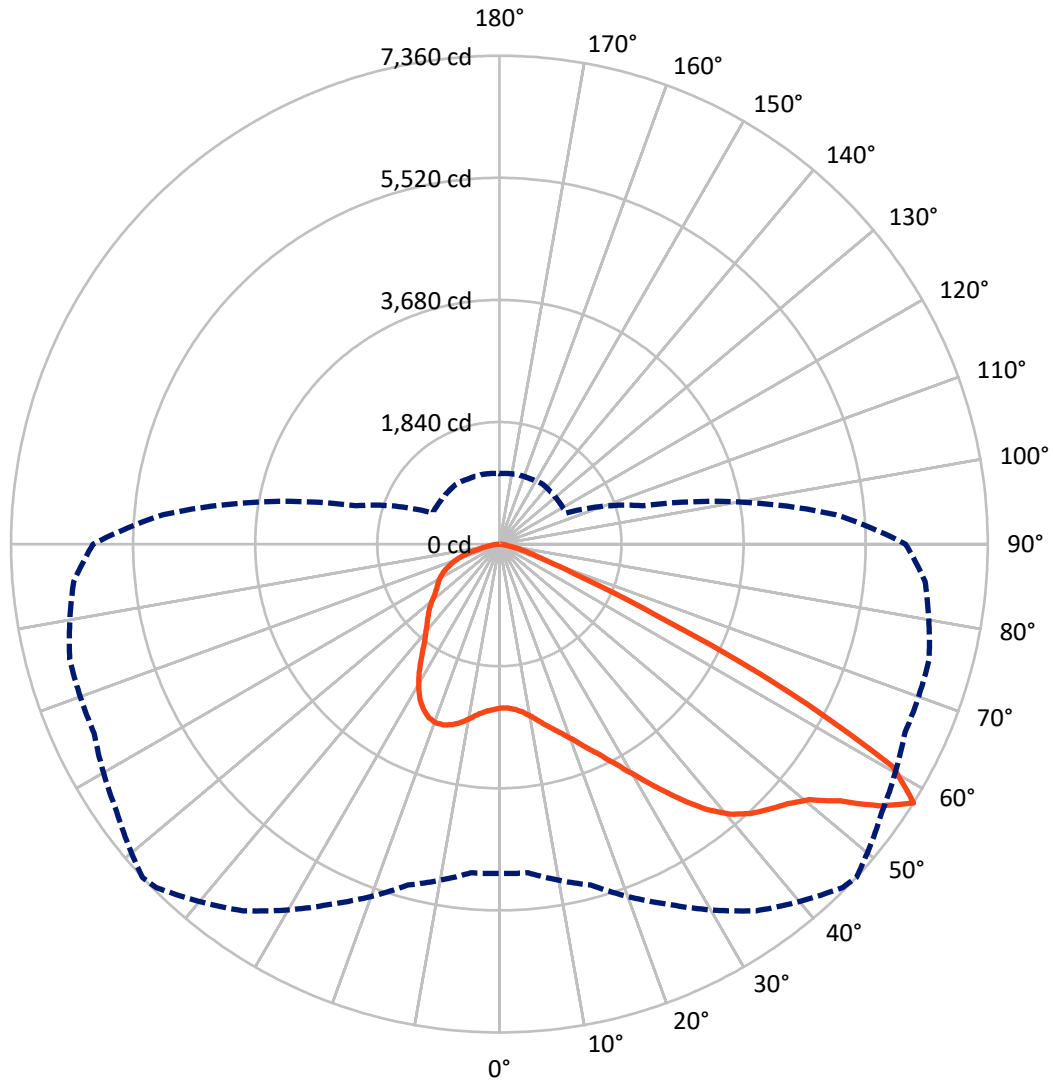
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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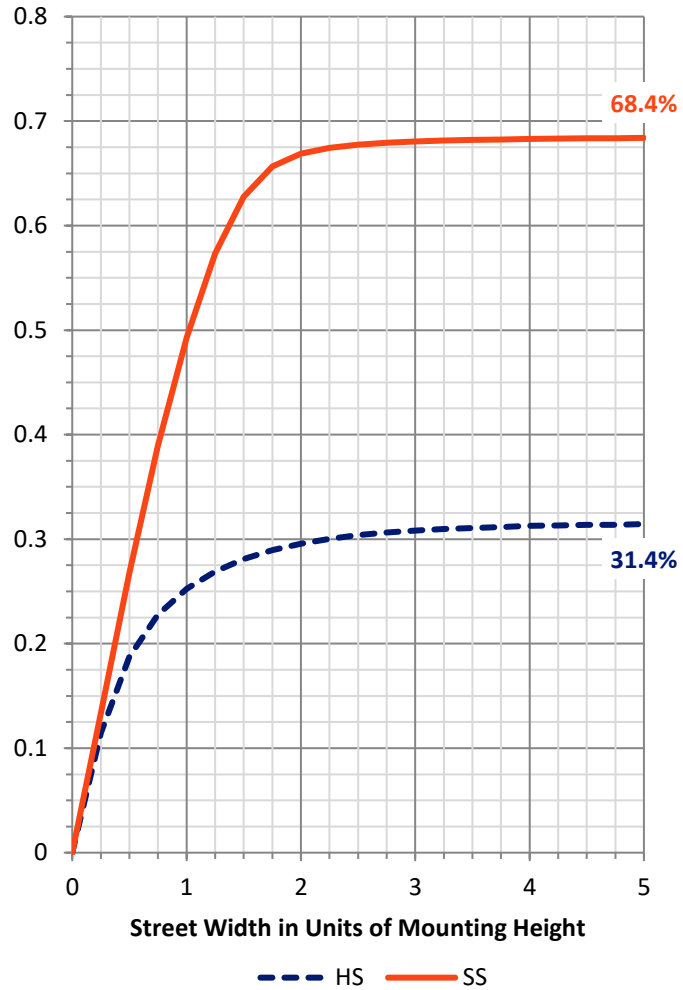
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4212.9	0.0	4212.9
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	9098.1	0.0	9098.1
	% Fixture	68.4	0.0	68.4
Total	Lumens	13311.0	0.0	13311.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.5	1.8
10°-20°	800.8	6.0
20°-30°	1441.9	10.8
30°-40°	2177.9	16.4
40°-50°	2932.8	22.0
50°-60°	3524.1	26.5
60°-70°	1716.3	12.9
70°-80°	422.8	3.2
80°-90°	50.8	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°	13311.0	100.0
0°-180°	13311.0	100.0

Coefficient of Utilization



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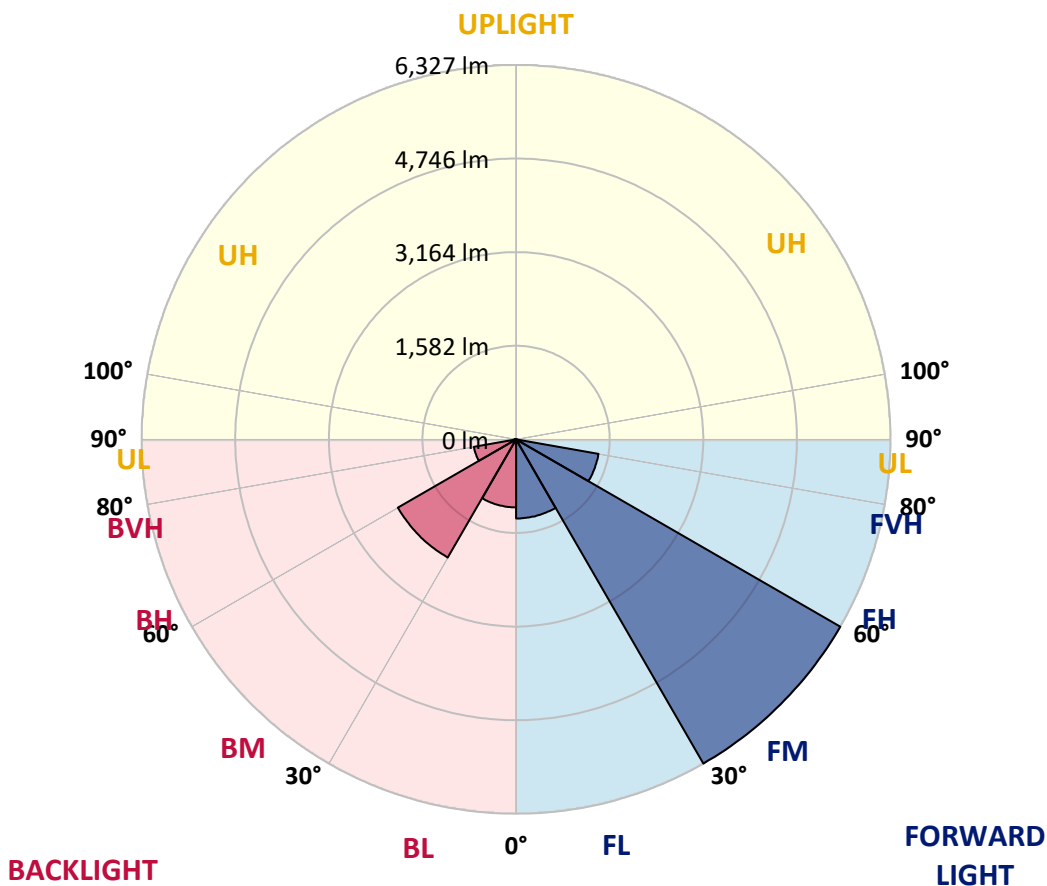
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1337.0	10.0			
FM (30°-60°)	6327.4	47.5			
FH (60°-80°)	1414.6	10.6			G1/1800
FVH (80°-90°)	19.1	0.1			G1/100
BL (0°-30°)	1149.2	8.6	B3/2500		
BM (30°-60°)	2307.4	17.3	B2/2500		
BH (60°-80°)	724.6	5.4	B2/1000		G2/1000
BVH (80°-90°)	31.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2468.5	2468.5	2468.5	2468.5	2468.5	2468.5	2468.5	2468.5	2468.5	2468.5	2468.5
2.5°	2464.1	2463.0	2463.0	2469.7	2469.7	2471.9	2475.3	2478.6	2479.7	2474.1	2461.8
5°	2490.9	2490.9	2490.9	2496.5	2496.5	2498.7	2503.2	2504.3	2503.2	2494.3	2482.0
7.5°	2533.4	2533.4	2534.5	2541.2	2546.8	2550.2	2558.0	2556.9	2553.5	2539.0	2523.3
10°	2602.7	2606.1	2609.4	2617.2	2628.4	2636.2	2641.8	2641.8	2637.4	2615.0	2594.9
12.5°	2701.1	2705.6	2708.9	2715.6	2724.6	2738.0	2750.3	2750.3	2744.7	2716.7	2686.6
15°	2816.2	2820.7	2819.6	2821.8	2838.6	2857.6	2867.7	2874.4	2876.6	2837.5	2790.5
17.5°	2948.2	2952.6	2948.2	2941.5	2943.7	2973.9	2991.8	3016.4	3030.9	2978.4	2903.4
20°	3067.8	3063.3	3063.3	3067.8	3074.5	3111.4	3138.2	3178.5	3196.4	3132.6	3016.4
22.5°	3194.1	3204.2	3199.7	3199.7	3226.5	3288.0	3320.5	3373.0	3392.0	3309.3	3152.8
25°	3357.4	3366.3	3364.1	3366.3	3397.6	3484.8	3517.2	3614.5	3633.5	3515.0	3303.7
27.5°	3536.2	3550.8	3557.5	3555.2	3605.6	3719.6	3759.8	3895.1	3929.8	3745.3	3464.7
30°	3768.8	3784.4	3790.0	3787.8	3847.0	4002.4	4048.3	4202.6	4251.8	4018.1	3669.3
32.5°	4038.2	4053.9	4070.6	4077.3	4153.4	4312.1	4378.1	4538.0	4608.4	4333.4	3916.4
35°	4305.4	4318.8	4351.3	4403.8	4507.8	4669.9	4728.0	4885.7	4953.9	4660.9	4214.9
37.5°	4600.6	4609.5	4637.5	4710.1	4859.9	5014.2	5072.4	5223.3	5231.1	4977.3	4552.5
40°	4923.7	4923.7	4918.1	4989.6	5146.2	5301.6	5351.9	5439.1	5393.2	5221.1	4881.2
42.5°	5197.6	5193.1	5197.6	5264.7	5380.9	5507.3	5550.9	5534.1	5476.0	5407.8	5178.6
45°	5444.7	5448.0	5488.3	5539.7	5600.1	5675.0	5700.7	5605.7	5553.1	5557.6	5416.7
47.5°	5612.4	5615.7	5709.6	5795.7	5832.6	5856.1	5844.9	5713.0	5686.1	5736.5	5600.1
50°	5634.7	5652.6	5814.7	5991.4	6083.0	6086.4	6055.1	5894.1	5886.3	5943.3	5698.4
52.5°	5639.2	5657.1	5859.4	6178.1	6416.2	6466.5	6430.7	6263.0	6181.4	6124.4	5819.2
55°	5622.4	5642.5	5866.1	6303.3	6759.4	6960.7	6964.0	6727.0	6466.5	6428.5	6163.5
57.5°	4963.9	4971.7	5318.3	5984.7	6746.0	7316.2	7359.8	7037.8	6740.4	6704.6	6439.7
60°	3458.0	3489.3	3866.0	4745.9	5667.1	6672.2	6813.1	6719.2	6520.2	6259.7	5525.2
62.5°	1731.8	1758.6	2136.5	2968.3	3908.5	4702.3	4853.2	4952.7	4999.7	4720.2	3762.1
65°	745.7	765.8	1000.6	1550.7	2212.5	2596.0	2648.5	2768.2	3061.1	2731.3	2026.9
67.5°	498.6	512.0	631.7	945.8	1303.6	1328.2	1320.4	1346.1	1409.8	1163.8	915.6
70°	382.4	393.5	474.0	693.2	936.9	801.6	759.1	688.7	747.9	762.5	742.4
72.5°	277.3	286.2	346.6	472.9	587.0	512.0	505.3	541.1	621.6	644.0	631.7
75°	178.9	183.4	220.2	259.4	303.0	328.7	342.1	407.0	488.6	505.3	490.8
77.5°	119.6	123.0	144.2	166.6	172.2	173.3	177.8	206.8	262.7	294.0	290.7
80°	62.6	62.6	70.4	70.4	80.5	96.1	100.6	119.6	145.3	161.0	162.1
82.5°	24.6	25.7	30.2	33.5	40.2	49.2	52.5	62.6	76.0	87.2	97.3
85°	10.1	11.2	12.3	14.5	17.9	22.4	23.5	26.8	35.8	44.7	50.3
87.5°	0.0	0.0	1.1	1.1	2.2	3.4	3.4	4.5	5.6	10.1	13.4
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°	2468.5	2468.5	2468.5	2468.5	2468.5	2468.5	2468.5	2468.5	2468.5	2468.5	2468.5
2.5°	2476.4	2461.8	2476.4	2480.8	2493.1	2497.6	2489.8	2488.7	2488.7	2477.5	2474.1
5°	2493.1	2479.7	2494.3	2501.0	2518.9	2530.0	2532.3	2541.2	2546.8	2542.3	2541.2
7.5°	2534.5	2517.7	2533.4	2543.5	2566.9	2584.8	2592.6	2612.8	2627.3	2625.1	2623.9
10°	2607.2	2584.8	2602.7	2619.5	2645.2	2666.4	2667.5	2678.7	2693.3	2688.8	2686.6
12.5°	2691.0	2669.8	2689.9	2706.7	2736.9	2745.8	2731.3	2726.8	2729.0	2723.4	2719.0
15°	2793.9	2763.7	2781.6	2800.6	2817.4	2807.3	2776.0	2763.7	2762.6	2754.8	2750.3
17.5°	2896.7	2858.7	2872.1	2882.2	2874.4	2843.1	2803.9	2782.7	2772.6	2757.0	2752.5
20°	2998.5	2950.4	2948.2	2940.3	2904.6	2847.5	2795.0	2752.5	2726.8	2705.6	2697.7
22.5°	3114.7	3047.7	3014.1	2978.4	2900.1	2807.3	2727.9	2667.5	2626.2	2599.4	2590.4
25°	3240.0	3144.9	3075.6	3004.1	2855.4	2721.2	2610.5	2527.8	2478.6	2449.5	2439.5
27.5°	3364.1	3233.3	3129.3	3007.4	2765.9	2597.1	2448.4	2336.6	2287.4	2264.0	2256.1
30°	3531.8	3350.6	3193.0	2963.8	2648.5	2424.9	2239.4	2126.4	2094.0	2077.2	2070.5
32.5°	3725.2	3499.3	3278.0	2872.1	2498.7	2223.7	2028.1	1949.8	1927.4	1895.0	1893.9
35°	3980.1	3711.8	3358.5	2736.9	2309.8	2007.9	1865.9	1810.0	1769.8	1718.4	1713.9
37.5°	4277.5	3976.7	3402.1	2564.7	2089.5	1830.2	1745.2	1682.6	1617.7	1549.5	1540.6
40°	4584.9	4286.4	3405.4	2361.2	1873.8	1712.8	1641.2	1559.6	1479.1	1403.1	1393.0
42.5°	4908.0	4574.9	3346.2	2126.4	1697.1	1611.0	1538.4	1435.5	1345.0	1293.5	1287.9
45°	5196.5	4807.4	3212.0	1879.4	1566.3	1526.1	1433.3	1322.6	1274.5	1237.6	1229.8
47.5°	5423.4	4961.7	3030.9	1658.0	1460.1	1438.9	1318.1	1261.1	1224.2	1190.7	1182.8
50°	5535.2	4996.3	2795.0	1478.0	1361.7	1336.0	1253.3	1209.7	1185.1	1158.2	1151.5
52.5°	5673.9	5035.5	2591.5	1327.1	1265.6	1230.9	1199.6	1165.0	1147.1	1130.3	1124.7
55°	5992.5	5183.0	2484.2	1206.3	1173.9	1158.2	1153.8	1124.7	1119.1	1107.9	1097.9
57.5°	6122.2	5088.0	2230.4	1107.9	1101.2	1103.5	1114.6	1087.8	1082.2	1068.8	1062.1
60°	4923.7	3845.9	1510.4	1023.0	1040.9	1055.4	1066.6	1039.7	1031.9	1029.7	1020.7
62.5°	3155.0	2365.7	1054.3	943.6	970.4	988.3	995.0	969.3	963.7	981.6	982.7
65°	1642.3	1289.1	855.3	858.6	881.0	907.8	921.2	912.3	910.1	929.1	930.2
67.5°	838.5	788.2	745.7	758.0	775.9	810.6	841.9	881.0	894.4	896.6	897.8
70°	714.4	692.0	670.8	678.6	697.6	716.6	746.8	765.8	743.5	737.9	735.6
72.5°	608.2	591.4	581.4	590.3	600.4	597.0	588.1	597.0	600.4	601.5	602.6
75°	472.9	460.6	452.8	453.9	453.9	441.6	424.8	414.8	403.6	394.7	394.7
77.5°	289.6	291.8	299.6	298.5	297.4	292.9	276.1	267.2	240.4	232.5	232.5
80°	165.5	168.8	176.6	178.9	178.9	173.3	156.5	146.5	134.2	128.6	127.5
82.5°	100.6	105.1	109.6	111.8	112.9	106.2	91.7	83.9	77.1	71.6	71.6
85°	52.5	54.8	59.3	60.4	57.0	50.3	42.5	39.1	32.4	31.3	31.3
87.5°	14.5	15.7	17.9	14.5	13.4	10.1	5.6	4.5	2.2	1.1	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)