

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: P641807

Luminaire Tested: GWS-SA6B-750-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641807
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-750-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21472.2 lumens
Efficiency: N/A
Efficacy: 154.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

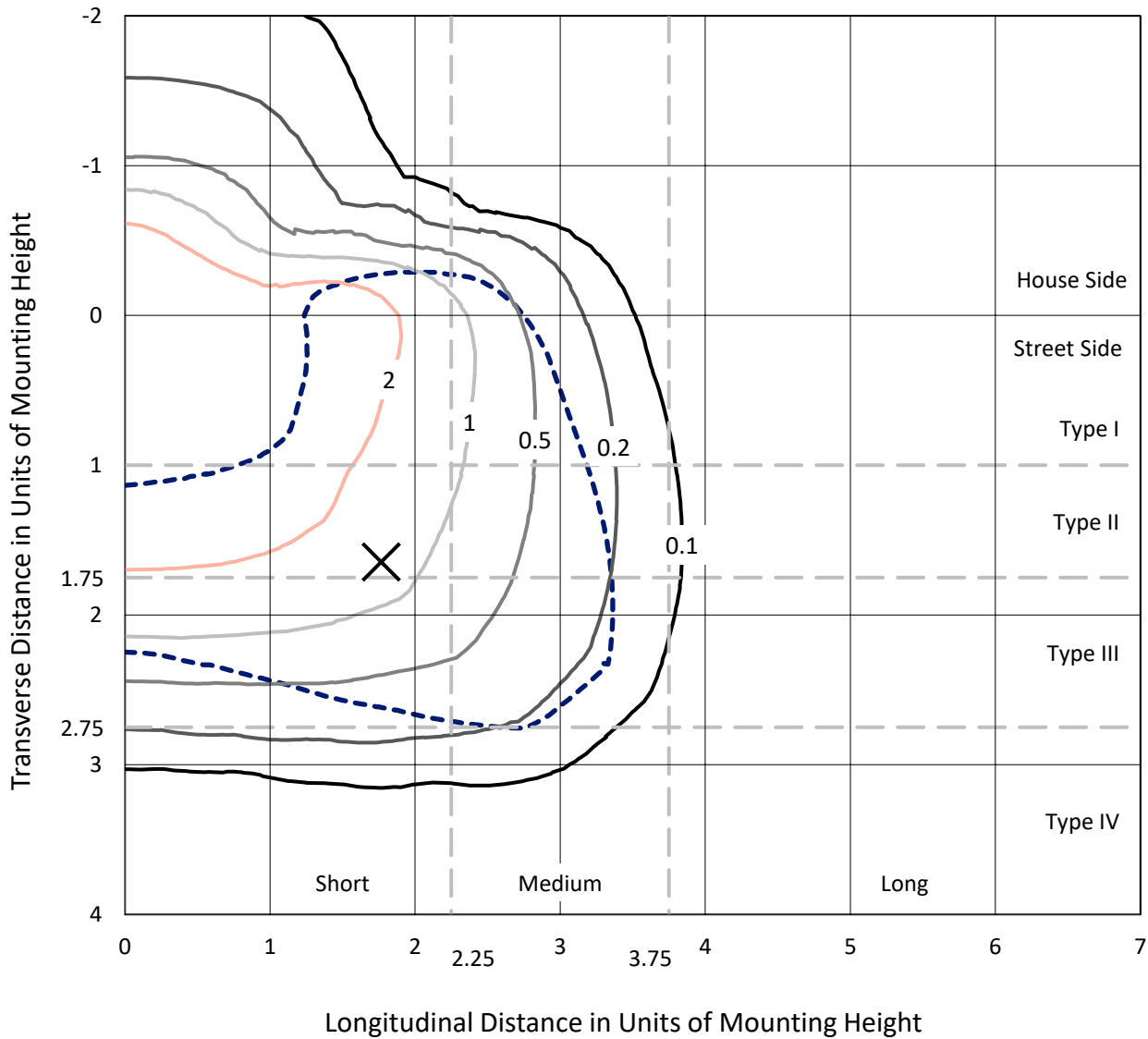
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641807
 CATALOG NUMBER: GWS-SA6B-750-U-T4W-W

Iso-Footcandle Lines of Horizontal Illumination

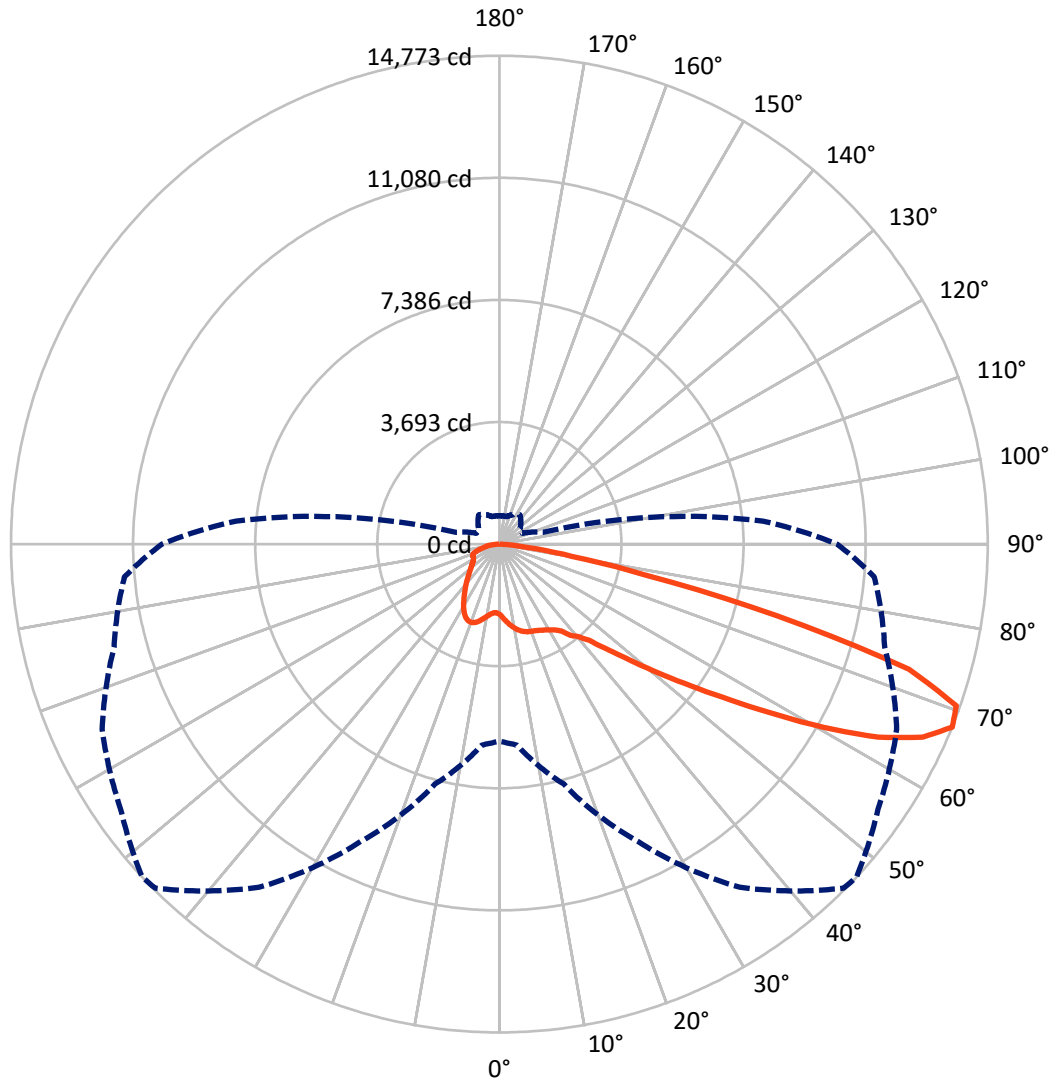
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Short - N/A

REPORT NUMBER: P641807
CATALOG NUMBER: GWS-SA6B-750-U-T4W-W

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P641807

CATALOG NUMBER: GWS-SA6B-750-U-T4W-W

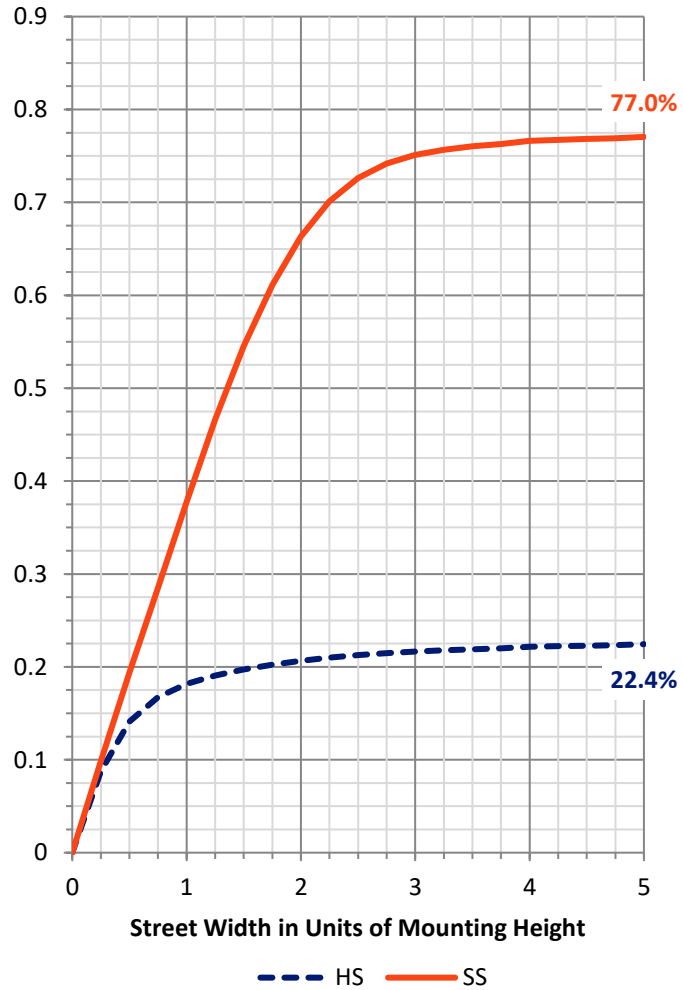
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4893.7	0.0	4893.7
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	16578.5	0.0	16578.5
	% Fixture	77.2	0.0	77.2
Total	Lumens	21472.2	0.0	21472.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.5	1.0
10°-20°	724.8	3.4
20°-30°	1231.9	5.7
30°-40°	1804.6	8.4
40°-50°	2749.6	12.8
50°-60°	4919.6	22.9
60°-70°	6564.6	30.6
70°-80°	2968.7	13.8
80°-90°	290.9	1.4
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°	21472.2	100.0
0°-180°	21472.2	100.0

Coefficient of Utilization



REPORT NUMBER: P641807

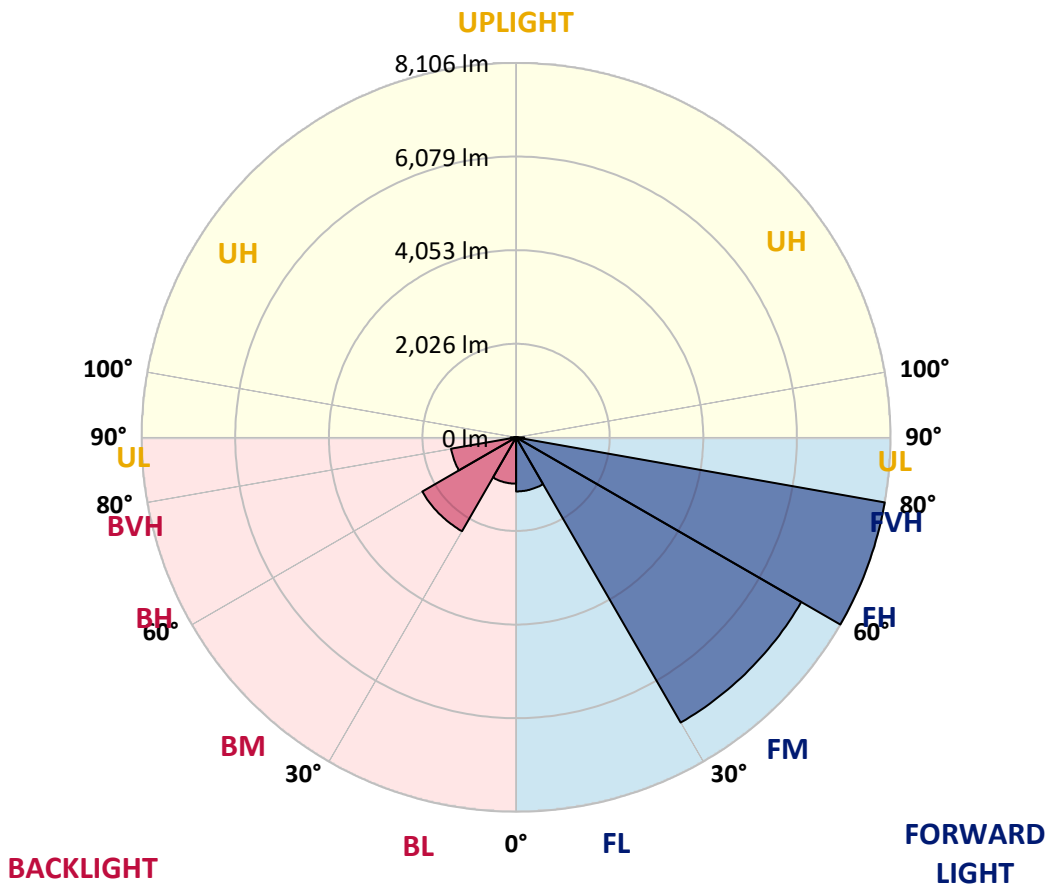
CATALOG NUMBER: GWS-SA6B-750-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1171.0	5.5			
FM (30°-60°)	7129.0	33.2			
FH (60°-80°)	8105.5	37.7			G4/12000
FVH (80°-90°)	173.0	0.8			G2/225
BL (0°-30°)	1003.2	4.7	B3/2500		
BM (30°-60°)	2344.8	10.9	B2/2500		
BH (60°-80°)	1427.8	6.6	B3/2500		G3/2500
BVH (80°-90°)	117.8	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short





REPORT NUMBER: P641807
 CATALOG NUMBER: GWS-SA6B-750-U-T4W-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2128.6	2128.6	2128.6	2128.6	2128.6	2128.6	2128.6	2128.6	2128.6	2128.6	2128.6
2.5°	2269.9	2277.6	2276.1	2263.6	2255.9	2241.9	2243.5	2221.7	2189.1	2167.4	2142.5
5°	2470.1	2482.6	2467.0	2446.9	2415.8	2370.8	2366.1	2316.4	2254.3	2210.9	2165.8
7.5°	2644.0	2651.8	2633.2	2599.0	2554.0	2493.4	2482.6	2423.6	2345.9	2277.6	2212.4
10°	2779.1	2788.4	2763.6	2718.6	2659.6	2599.0	2591.2	2530.7	2448.4	2367.7	2285.4
12.5°	2894.0	2897.1	2870.7	2810.2	2746.5	2684.4	2676.6	2620.7	2544.7	2462.4	2372.3
15°	2960.8	2962.3	2929.7	2862.9	2802.4	2748.1	2743.4	2695.3	2625.4	2547.8	2451.5
17.5°	2956.1	2959.2	2935.9	2876.9	2824.1	2791.5	2786.9	2755.8	2701.5	2631.6	2535.3
20°	2898.6	2901.8	2886.2	2847.4	2819.5	2810.2	2811.7	2802.4	2769.8	2712.3	2614.5
22.5°	2853.6	2858.3	2844.3	2816.4	2813.3	2835.0	2839.7	2844.3	2828.8	2777.5	2682.8
25°	2875.4	2883.1	2861.4	2822.6	2828.8	2876.9	2886.2	2901.8	2889.3	2845.9	2763.6
27.5°	3026.0	3030.6	2974.7	2895.5	2876.9	2928.1	2942.1	2967.0	2957.6	2917.3	2853.6
30°	3375.3	3372.2	3252.6	3058.6	2980.9	3001.1	3012.0	3047.7	3050.8	3024.4	2963.9
32.5°	3867.5	3851.9	3667.2	3358.2	3133.1	3083.4	3095.8	3144.0	3179.7	3151.7	3069.4
35°	4387.6	4373.6	4170.2	3808.5	3414.1	3241.8	3227.8	3265.1	3319.4	3241.8	3123.8
37.5°	4882.8	4861.1	4653.1	4205.9	3760.3	3519.7	3499.5	3462.2	3429.6	3280.6	3190.5
40°	5432.4	5407.6	5226.0	4719.8	4142.3	3732.4	3681.1	3533.7	3504.2	3409.4	3364.4
42.5°	6019.3	6019.3	5868.7	5370.3	4603.4	4036.7	3969.9	3747.9	3779.0	3716.9	3664.1
45°	6606.2	6623.3	6503.7	6025.5	5219.7	4611.1	4504.0	4188.8	4263.4	4235.4	4209.0
47.5°	7106.1	7138.7	7115.4	6694.7	5974.3	5309.8	5146.8	4819.2	4979.1	5045.9	5120.4
50°	7644.9	7680.6	7657.3	7491.2	6857.7	6155.9	6010.0	5671.5	5946.3	6146.6	6390.4
52.5°	8444.4	8495.7	8301.6	8237.9	7930.5	7117.0	6986.6	6601.5	7099.9	7432.2	7975.6
55°	9119.8	9118.2	9049.9	9195.9	9082.5	8292.3	8147.9	7798.6	8435.1	8787.6	9582.5
57.5°	9433.4	9470.7	9705.1	10118.1	10344.8	9728.4	9590.2	9233.1	9868.1	10051.3	10909.9
60°	9594.9	9641.5	10094.8	10911.5	11521.6	11296.5	11242.2	10787.3	11144.4	11122.6	12029.3
62.5°	9368.2	9461.4	10189.5	11274.8	12361.6	12872.4	12855.3	12167.5	12229.6	12016.9	12723.3
65°	8328.0	8428.9	9571.6	11093.1	12841.3	14070.9	14075.6	13417.3	13063.3	12451.6	12606.9
67.5°	5955.7	6100.1	7512.9	9925.6	12672.1	14718.4	14772.7	13984.0	13259.0	12066.6	11383.4
70°	3246.4	3352.0	4459.0	7214.8	11147.5	14563.1	14664.0	13710.8	12395.7	10437.9	8762.7
72.5°	1474.9	1509.1	2074.2	3959.1	7615.4	12535.5	12957.8	12235.8	10180.2	7710.1	5572.2
75°	675.4	690.9	903.6	1894.1	3979.2	8388.5	8685.1	9113.6	7084.4	4868.9	2904.9
77.5°	423.9	428.5	513.9	866.3	1984.2	4187.3	4499.4	5426.2	4148.5	2409.6	1214.1
80°	250.0	254.6	319.8	468.9	931.5	1915.9	2212.4	2145.7	1950.0	1040.2	552.7
82.5°	125.8	130.4	184.8	267.0	507.7	762.3	897.4	902.0	726.6	563.6	312.1
85°	45.0	46.6	60.6	105.6	215.8	251.5	281.0	343.1	355.5	327.6	150.6
87.5°	0.0	0.0	1.6	3.1	6.2	24.8	26.4	49.7	104.0	116.4	60.6
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: P641807
 CATALOG NUMBER: GWS-SA6B-750-U-T4W-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2128.6	2128.6	2128.6	2128.6	2128.6	2128.6	2128.6	2128.6	2128.6	2128.6	2128.6
2.5°	2134.8	2111.5	2103.7	2096.0	2083.5	2078.9	2069.6	2060.3	2060.3	2050.9	2046.3
5°	2145.7	2114.6	2094.4	2085.1	2077.3	2082.0	2082.0	2085.1	2096.0	2089.8	2092.9
7.5°	2184.5	2148.8	2120.8	2113.0	2113.0	2131.7	2144.1	2159.6	2179.8	2182.9	2182.9
10°	2252.8	2210.9	2181.4	2176.7	2184.5	2210.9	2229.5	2248.1	2273.0	2274.5	2277.6
12.5°	2327.3	2285.4	2255.9	2262.1	2269.9	2304.0	2324.2	2339.7	2364.6	2364.6	2363.0
15°	2404.9	2358.4	2333.5	2345.9	2369.2	2408.0	2411.1	2412.7	2425.1	2422.0	2420.5
17.5°	2485.7	2436.0	2417.4	2436.0	2460.8	2479.5	2463.9	2442.2	2437.5	2431.3	2428.2
20°	2564.8	2513.6	2505.8	2519.8	2527.6	2512.1	2463.9	2423.6	2404.9	2395.6	2392.5
22.5°	2633.2	2589.7	2585.0	2585.0	2546.2	2491.9	2420.5	2366.1	2341.3	2328.9	2325.8
25°	2713.9	2673.5	2665.8	2623.8	2524.5	2425.1	2328.9	2279.2	2259.0	2252.8	2254.3
27.5°	2808.6	2780.7	2755.8	2636.3	2462.4	2307.1	2198.4	2176.7	2168.9	2176.7	2181.4
30°	2925.0	2897.1	2841.2	2620.7	2363.0	2153.4	2049.4	2047.8	2071.1	2091.3	2094.4
32.5°	3019.8	3007.3	2915.7	2571.1	2223.3	1984.2	1895.7	1901.9	1943.8	1971.8	1976.4
35°	3094.3	3114.5	2977.8	2488.8	2057.2	1824.3	1754.4	1757.5	1780.8	1819.6	1821.2
37.5°	3199.8	3268.2	3033.7	2363.0	1866.2	1686.1	1622.4	1599.1	1596.0	1606.9	1610.0
40°	3412.6	3515.0	3074.1	2179.8	1681.4	1561.9	1490.5	1445.4	1406.6	1377.1	1367.8
42.5°	3733.9	3851.9	3097.4	1957.8	1516.9	1439.2	1358.5	1301.1	1232.7	1170.6	1148.9
45°	4323.9	4362.7	3097.4	1721.8	1370.9	1324.3	1243.6	1175.3	1088.4	1015.4	999.9
47.5°	5267.9	5143.7	3100.5	1493.6	1242.1	1223.4	1153.6	1075.9	979.7	919.1	909.8
50°	6690.0	6253.8	3164.1	1304.2	1134.9	1138.0	1086.8	1001.4	914.5	869.4	861.7
52.5°	8301.6	7621.6	3334.9	1164.4	1044.9	1068.2	1040.2	957.9	880.3	841.5	833.7
55°	9816.9	8879.2	3480.9	1065.1	968.8	1009.2	1007.6	931.5	861.7	822.9	818.2
57.5°	11105.5	9740.8	3459.1	984.3	903.6	954.8	978.1	914.5	849.3	816.7	812.0
60°	11906.7	10197.3	3150.2	909.8	853.9	916.0	961.0	909.8	855.5	847.7	849.3
62.5°	12254.4	10113.4	2557.1	853.9	821.3	897.4	979.7	942.4	912.9	931.5	942.4
65°	11714.1	9393.1	1881.7	812.0	790.3	902.0	1023.1	993.6	912.9	925.3	930.0
67.5°	10214.4	7995.7	1360.1	770.1	751.4	916.0	1085.2	985.9	860.1	860.1	850.8
70°	7360.7	5750.7	987.4	728.2	712.6	895.8	1088.4	933.1	799.6	794.9	771.6
72.5°	4429.5	3392.4	770.1	681.6	653.6	794.9	1020.0	871.0	740.6	701.8	673.8
75°	2300.9	1700.1	645.9	630.3	560.5	673.8	933.1	774.7	633.4	599.3	583.8
77.5°	985.9	794.9	554.3	562.0	465.8	566.7	753.0	670.7	562.0	518.6	504.6
80°	486.0	451.8	437.8	450.2	372.6	437.8	649.0	586.9	476.6	427.0	406.8
82.5°	277.9	263.9	315.2	319.8	265.5	366.4	548.1	496.8	394.4	340.0	307.4
85°	128.9	138.2	191.0	192.5	164.6	251.5	358.6	279.5	209.6	173.9	166.1
87.5°	51.2	60.6	83.8	82.3	48.1	46.6	31.1	17.1	14.0	12.4	10.9
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)