

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: P641862

Luminaire Tested: GWS-SA6B-760-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641862
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-760-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21177.9 lumens
Efficiency: N/A
Efficacy: 152.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

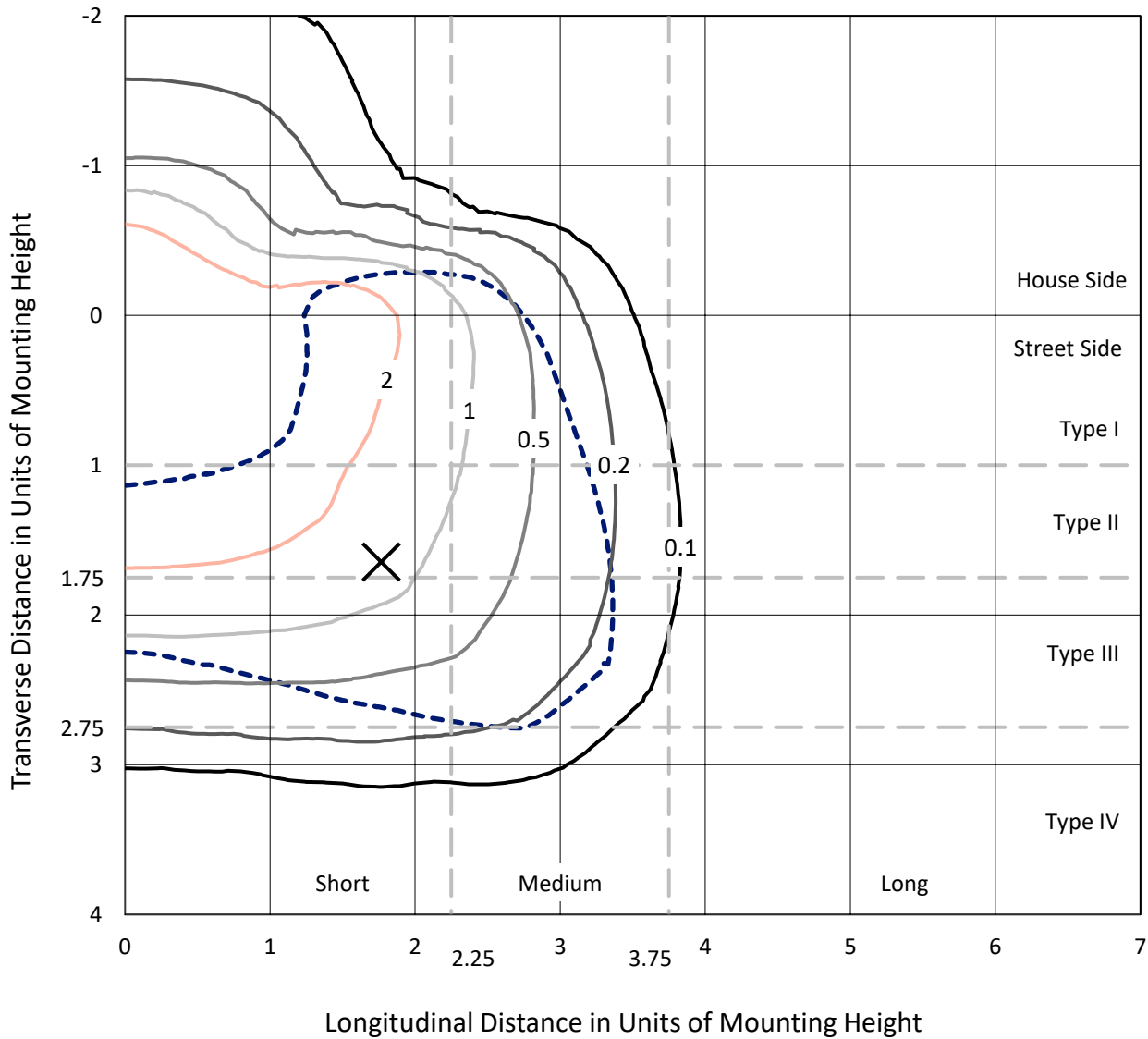
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641862
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Iso-Footcandle Lines of Horizontal Illumination

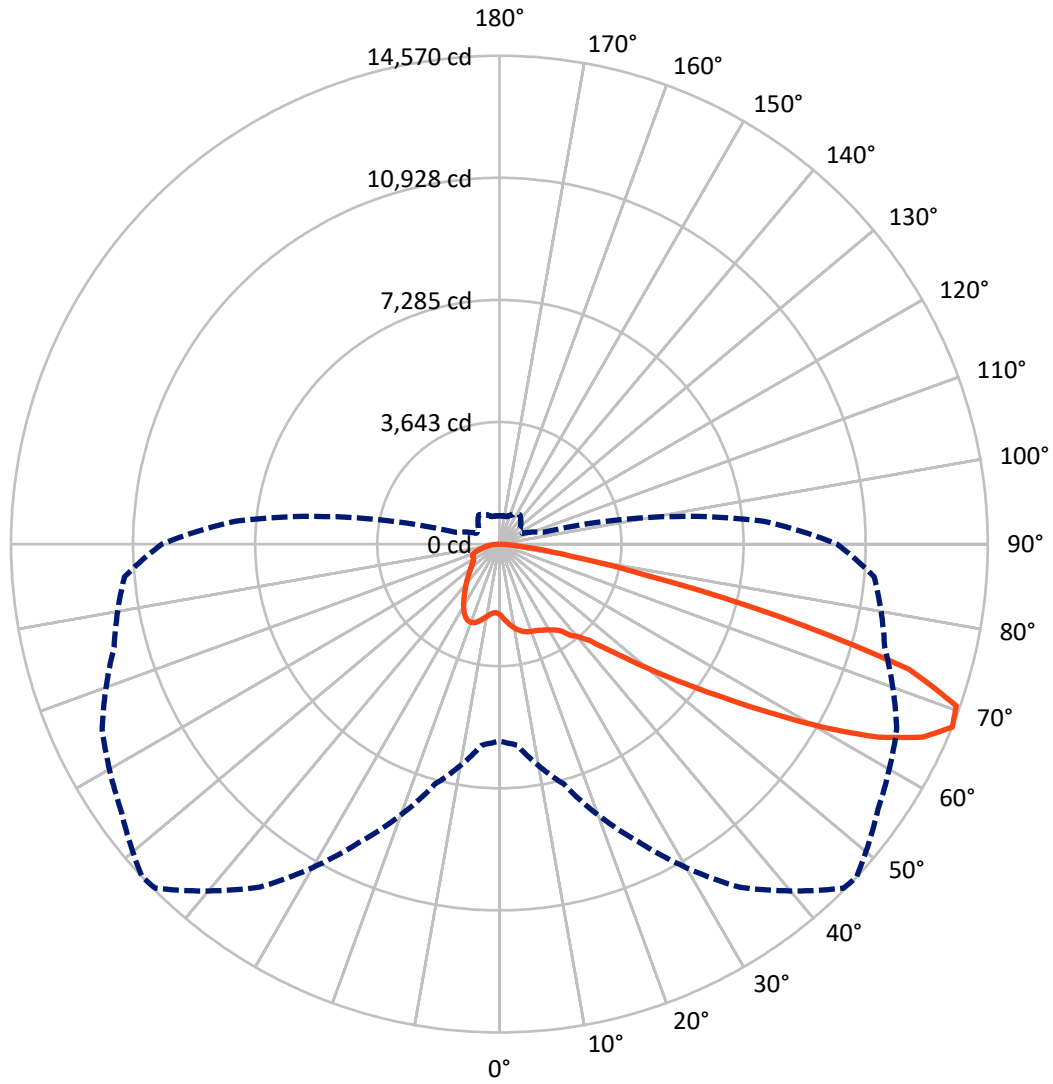
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type III - Short - N/A

REPORT NUMBER: P641862
CATALOG NUMBER: GWS-SA6B-760-U-T4W-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P641862

CATALOG NUMBER: GWS-SA6B-760-U-T4W-W

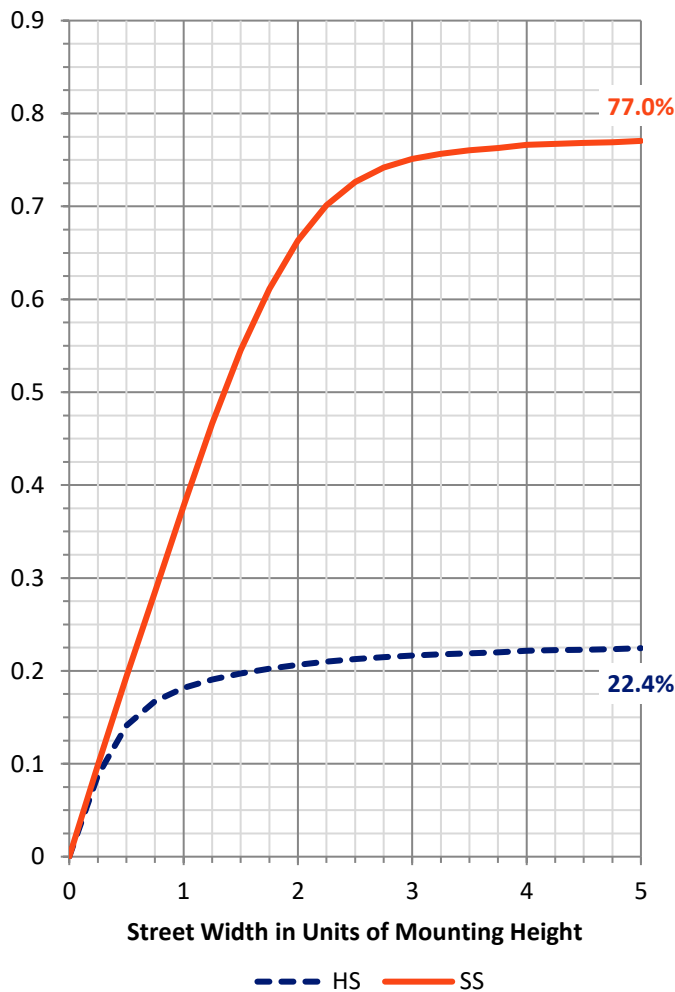
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4826.6	0.0	4826.6
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	16351.3	0.0	16351.3
	% Fixture	77.2	0.0	77.2
Total	Lumens	21177.9	0.0	21177.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.6	1.0
10°-20°	714.8	3.4
20°-30°	1215.0	5.7
30°-40°	1779.9	8.4
40°-50°	2711.9	12.8
50°-60°	4852.1	22.9
60°-70°	6474.7	30.6
70°-80°	2928.0	13.8
80°-90°	286.9	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°	21177.9	100.0
0°-180°	21177.9	100.0

Coefficient of Utilization



REPORT NUMBER: P641862

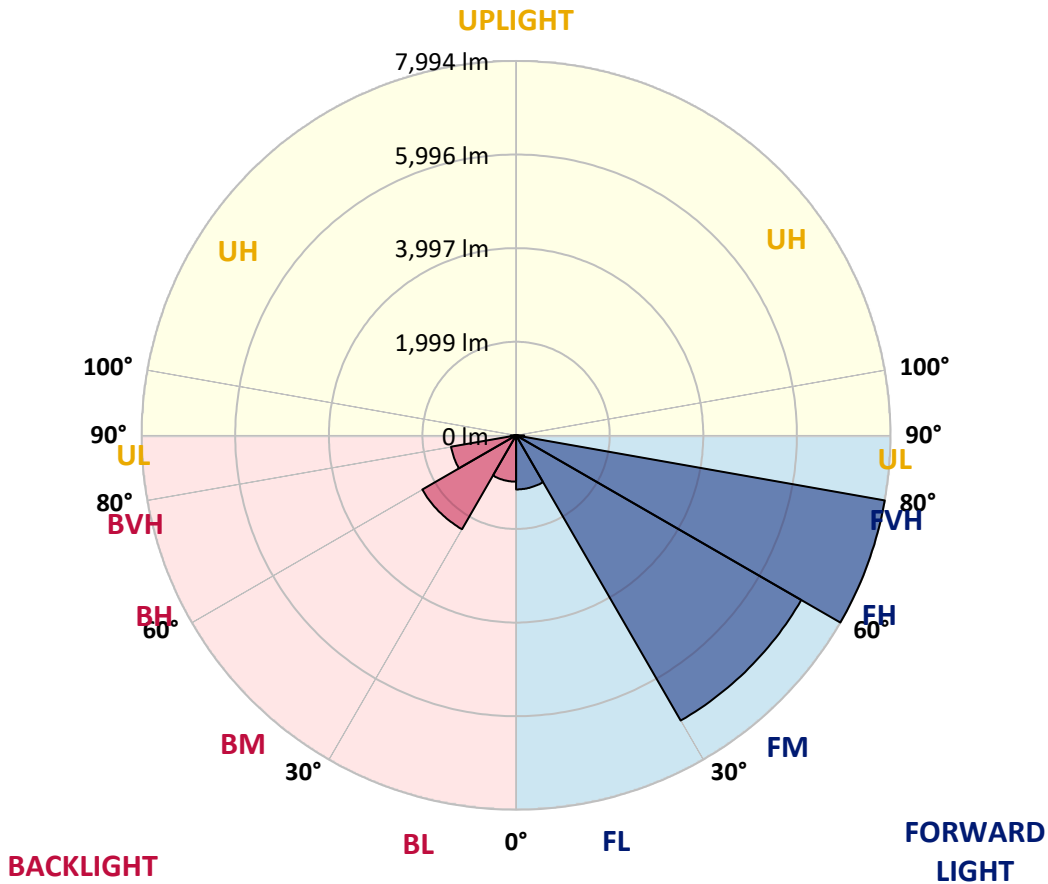
CATALOG NUMBER: GWS-SA6B-760-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1155.0	5.5			
FM (30°-60°)	7031.3	33.2			
FH (60°-80°)	7994.4	37.7			G4/12000
FVH (80°-90°)	170.6	0.8			G2/225
BL (0°-30°)	989.5	4.7	B2/1000		
BM (30°-60°)	2312.7	10.9	B2/2500		
BH (60°-80°)	1408.2	6.6	B3/2500		G3/2500
BVH (80°-90°)	116.2	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: P641862
 CATALOG NUMBER: GWS-SA6B-760-U-T4W-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2099.4	2099.4	2099.4	2099.4	2099.4	2099.4	2099.4	2099.4	2099.4	2099.4	2099.4
2.5°	2238.7	2246.4	2244.9	2232.6	2225.0	2211.2	2212.7	2191.3	2159.1	2137.7	2113.2
5°	2436.3	2448.5	2433.2	2413.3	2382.7	2338.3	2333.7	2284.7	2223.4	2180.6	2136.2
7.5°	2607.8	2615.4	2597.1	2563.4	2519.0	2459.3	2448.5	2390.3	2313.8	2246.4	2182.1
10°	2741.0	2750.2	2725.7	2681.3	2623.1	2563.4	2555.7	2496.0	2414.8	2335.2	2254.1
12.5°	2854.3	2857.4	2831.4	2771.6	2708.9	2647.6	2639.9	2584.8	2509.8	2428.6	2339.8
15°	2920.2	2921.7	2889.5	2823.7	2764.0	2710.4	2705.8	2658.3	2589.4	2512.8	2417.9
17.5°	2915.6	2918.6	2895.7	2837.5	2785.4	2753.3	2748.7	2718.0	2664.4	2595.5	2500.6
20°	2858.9	2862.0	2846.7	2808.4	2780.8	2771.6	2773.2	2764.0	2731.8	2675.2	2578.7
22.5°	2814.5	2819.1	2805.3	2777.8	2774.7	2796.1	2800.7	2805.3	2790.0	2739.5	2646.1
25°	2836.0	2843.6	2822.2	2783.9	2790.0	2837.5	2846.7	2862.0	2849.7	2806.9	2725.7
27.5°	2984.5	2989.1	2934.0	2855.9	2837.5	2888.0	2901.8	2926.3	2917.1	2877.3	2814.5
30°	3329.0	3326.0	3208.1	3016.6	2940.1	2960.0	2970.7	3005.9	3009.0	2983.0	2923.2
32.5°	3814.4	3799.1	3616.9	3312.2	3090.1	3041.1	3053.4	3100.9	3136.1	3108.5	3027.4
35°	4327.4	4313.6	4113.0	3756.3	3367.3	3197.3	3183.6	3220.3	3273.9	3197.3	3081.0
37.5°	4815.9	4794.5	4589.3	4148.3	3708.8	3471.4	3451.5	3414.8	3382.6	3235.6	3146.8
40°	5358.0	5333.5	5154.3	4655.1	4085.5	3681.2	3630.7	3485.2	3456.1	3362.7	3318.3
42.5°	5936.8	5936.8	5788.3	5296.7	4540.3	3981.4	3915.5	3696.5	3727.2	3665.9	3613.8
45°	6515.6	6532.5	6414.6	5942.9	5148.2	4547.9	4442.3	4131.4	4204.9	4177.4	4151.3
47.5°	7008.7	7040.9	7017.9	6602.9	5892.4	5237.0	5076.2	4753.1	4910.9	4976.7	5050.2
50°	7540.1	7575.3	7552.3	7388.5	6763.7	6071.6	5927.6	5593.8	5864.8	6062.4	6302.8
52.5°	8328.7	8379.2	8187.8	8125.0	7821.8	7019.4	6890.8	6511.0	7002.6	7330.3	7866.2
55°	8994.8	8993.3	8925.9	9069.8	8958.1	8178.6	8036.2	7691.7	8319.5	8667.1	9451.1
57.5°	9304.1	9340.9	9572.1	9979.4	10203.0	9595.1	9458.8	9106.6	9732.9	9913.6	10760.4
60°	9463.4	9509.3	9956.5	10761.9	11363.7	11141.7	11088.1	10639.4	10991.6	10970.2	11864.4
62.5°	9239.8	9331.7	10049.9	11120.2	12192.1	12695.9	12679.1	12000.7	12062.0	11852.2	12548.9
65°	8213.8	8313.4	9440.4	10941.1	12665.3	13878.1	13882.7	13233.4	12884.3	12281.0	12434.1
67.5°	5874.0	6016.4	7409.9	9789.5	12498.4	14516.6	14570.2	13792.3	13077.2	11901.2	11227.4
70°	3201.9	3306.1	4397.9	7115.9	10994.7	14363.5	14463.0	13522.8	12225.8	10294.9	8642.6
72.5°	1454.7	1488.4	2045.8	3904.8	7511.0	12363.6	12780.2	12068.1	10040.7	7604.4	5495.8
75°	666.1	681.4	891.2	1868.2	3924.7	8273.6	8566.0	8988.7	6987.3	4802.1	2865.0
77.5°	418.0	422.6	506.9	854.5	1957.0	4129.9	4437.7	5351.9	4091.6	2376.6	1197.5
80°	246.5	251.1	315.4	462.4	918.8	1889.6	2182.1	2116.2	1923.3	1026.0	545.1
82.5°	124.0	128.6	182.2	263.4	500.7	751.9	885.1	889.7	716.6	555.9	307.8
85°	44.4	45.9	59.7	104.1	212.8	248.1	277.2	338.4	350.7	323.1	148.5
87.5°	0.0	0.0	1.5	3.1	6.1	24.5	26.0	49.0	102.6	114.8	59.7
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: P641862
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2099.4	2099.4	2099.4	2099.4	2099.4	2099.4	2099.4	2099.4	2099.4	2099.4	2099.4
2.5°	2105.5	2082.6	2074.9	2067.2	2055.0	2050.4	2041.2	2032.0	2032.0	2022.8	2018.2
5°	2116.2	2085.6	2065.7	2056.5	2048.9	2053.5	2053.5	2056.5	2067.2	2061.1	2064.2
7.5°	2154.5	2119.3	2091.7	2084.1	2084.1	2102.5	2114.7	2130.0	2149.9	2153.0	2153.0
10°	2221.9	2180.6	2151.5	2146.9	2154.5	2180.6	2198.9	2217.3	2241.8	2243.3	2246.4
12.5°	2295.4	2254.1	2225.0	2231.1	2238.7	2272.4	2292.3	2307.7	2332.2	2332.2	2330.6
15°	2372.0	2326.0	2301.5	2313.8	2336.8	2375.0	2378.1	2379.6	2391.9	2388.8	2387.3
17.5°	2451.6	2402.6	2384.2	2402.6	2427.1	2445.5	2430.2	2408.7	2404.1	2398.0	2394.9
20°	2529.7	2479.2	2471.5	2485.3	2492.9	2477.6	2430.2	2390.3	2372.0	2362.8	2359.7
22.5°	2597.1	2554.2	2549.6	2549.6	2511.3	2457.7	2387.3	2333.7	2309.2	2296.9	2293.9
25°	2676.7	2636.9	2629.2	2587.9	2489.9	2391.9	2296.9	2247.9	2228.0	2221.9	2223.4
27.5°	2770.1	2742.5	2718.0	2600.1	2428.6	2275.5	2168.3	2146.9	2139.2	2146.9	2151.5
30°	2885.0	2857.4	2802.3	2584.8	2330.6	2123.9	2021.3	2019.8	2042.7	2062.6	2065.7
32.5°	2978.4	2966.1	2875.8	2535.8	2192.8	1957.0	1869.7	1875.8	1917.2	1944.7	1949.3
35°	3051.9	3071.8	2937.0	2454.7	2029.0	1799.3	1730.4	1733.4	1756.4	1794.7	1796.2
37.5°	3156.0	3223.4	2992.1	2330.6	1840.6	1663.0	1600.2	1577.2	1574.2	1584.9	1587.9
40°	3365.8	3466.8	3032.0	2149.9	1658.4	1540.5	1470.0	1425.6	1387.3	1358.3	1349.1
42.5°	3682.8	3799.1	3054.9	1931.0	1496.1	1419.5	1339.9	1283.2	1215.8	1154.6	1133.2
45°	4264.6	4302.9	3054.9	1698.2	1352.1	1306.2	1226.6	1159.2	1073.4	1001.5	986.2
47.5°	5195.7	5073.2	3058.0	1473.1	1225.0	1206.7	1137.7	1061.2	966.2	906.5	897.3
50°	6598.3	6168.0	3120.8	1286.3	1119.4	1122.4	1071.9	987.7	901.9	857.5	849.9
52.5°	8187.8	7517.1	3289.2	1148.5	1030.6	1053.5	1026.0	944.8	868.2	830.0	822.3
55°	9682.4	8757.5	3433.2	1050.5	955.5	995.3	993.8	918.8	849.9	811.6	807.0
57.5°	10953.3	9607.3	3411.7	970.8	891.2	941.7	964.7	901.9	837.6	805.5	800.9
60°	11743.5	10057.5	3107.0	897.3	842.2	903.5	947.9	897.3	843.7	836.1	837.6
62.5°	12086.5	9974.8	2522.0	842.2	810.1	885.1	966.2	929.5	900.4	918.8	929.5
65°	11553.6	9264.3	1855.9	800.9	779.4	889.7	1009.1	980.0	900.4	912.6	917.2
67.5°	10074.4	7886.1	1341.4	759.5	741.1	903.5	1070.4	972.4	848.3	848.3	839.1
70°	7259.9	5671.9	973.9	718.2	702.9	883.6	1073.4	920.3	788.6	784.0	761.1
72.5°	4368.8	3345.9	759.5	672.2	644.7	784.0	1006.1	859.1	730.4	692.1	664.6
75°	2269.4	1676.8	637.0	621.7	552.8	664.6	920.3	764.1	624.8	591.1	575.8
77.5°	972.4	784.0	546.7	554.3	459.4	558.9	742.7	661.5	554.3	511.5	497.7
80°	479.3	445.6	431.8	444.1	367.5	431.8	640.1	578.8	470.1	421.1	401.2
82.5°	274.1	260.3	310.9	315.4	261.9	361.4	540.5	490.0	388.9	335.4	303.2
85°	127.1	136.3	188.3	189.9	162.3	248.1	353.7	275.6	206.7	171.5	163.8
87.5°	50.5	59.7	82.7	81.2	47.5	45.9	30.6	16.8	13.8	12.3	10.7
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)