

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: P639324

Luminaire Tested: GWS-SA5B-750-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639324  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5B-750-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

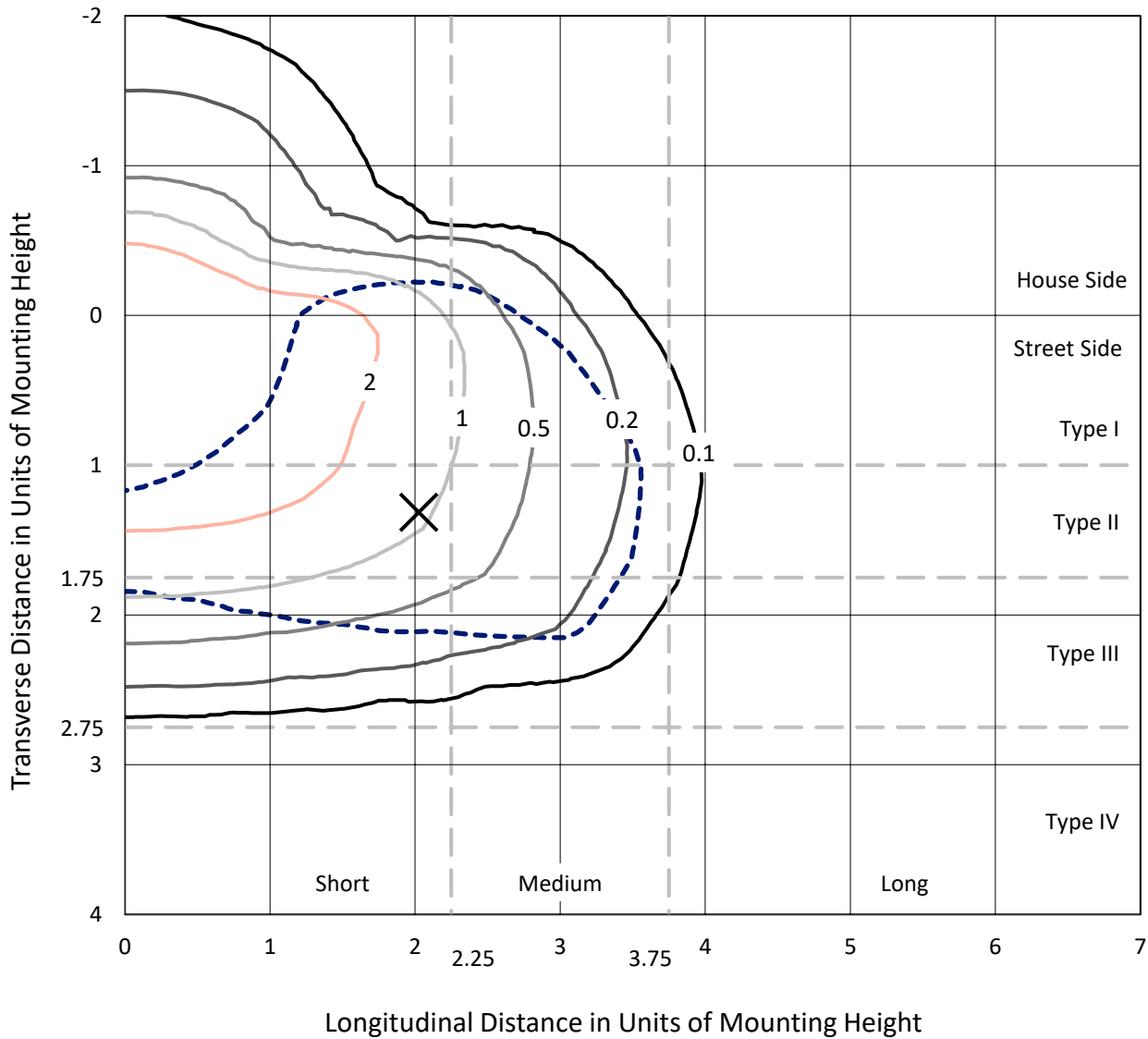
Lumens per Lamp: N/A  
Luminaire Lumens: 18175.1 lumens  
Efficiency: N/A  
Efficacy: 157.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 115.7  
Input Voltage (V): 120  
Input Current (Ain): 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

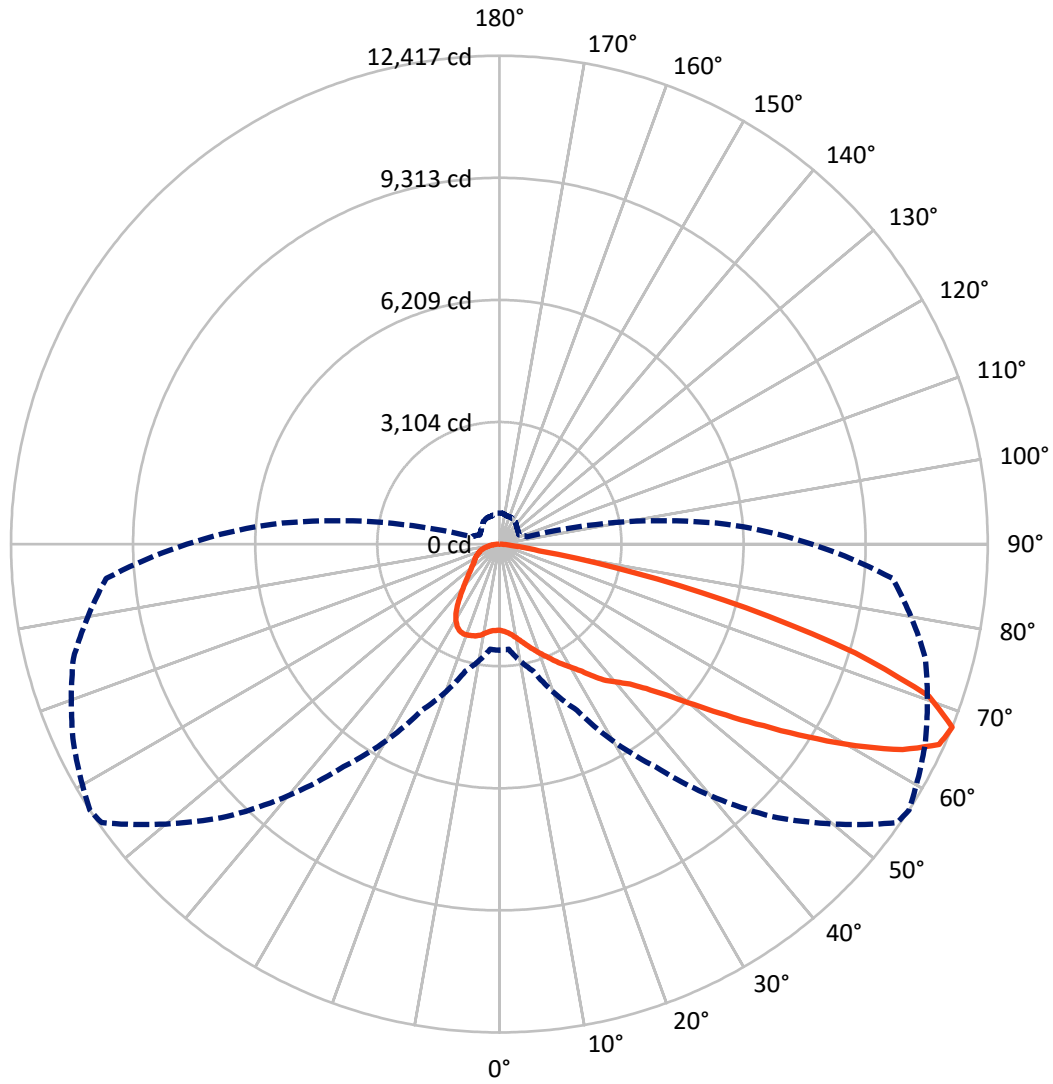
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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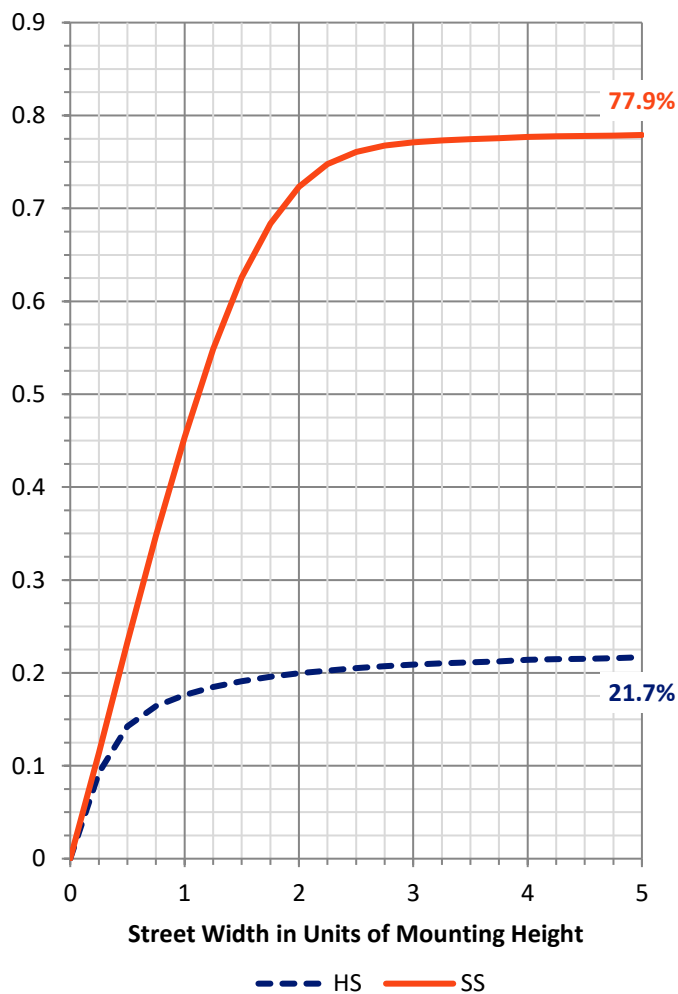
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3996.0	0.0	3996.0
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	14179.1	0.0	14179.1
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	18175.1	0.0	18175.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.2	1.2
10°-20°	719.0	4.0
20°-30°	1281.9	7.1
30°-40°	1863.7	10.3
40°-50°	2697.5	14.8
50°-60°	4221.4	23.2
60°-70°	4924.6	27.1
70°-80°	2055.7	11.3
80°-90°	194.0	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°	18175.1	100.0
0°-180°	18175.1	100.0

**Coefficient of Utilization**



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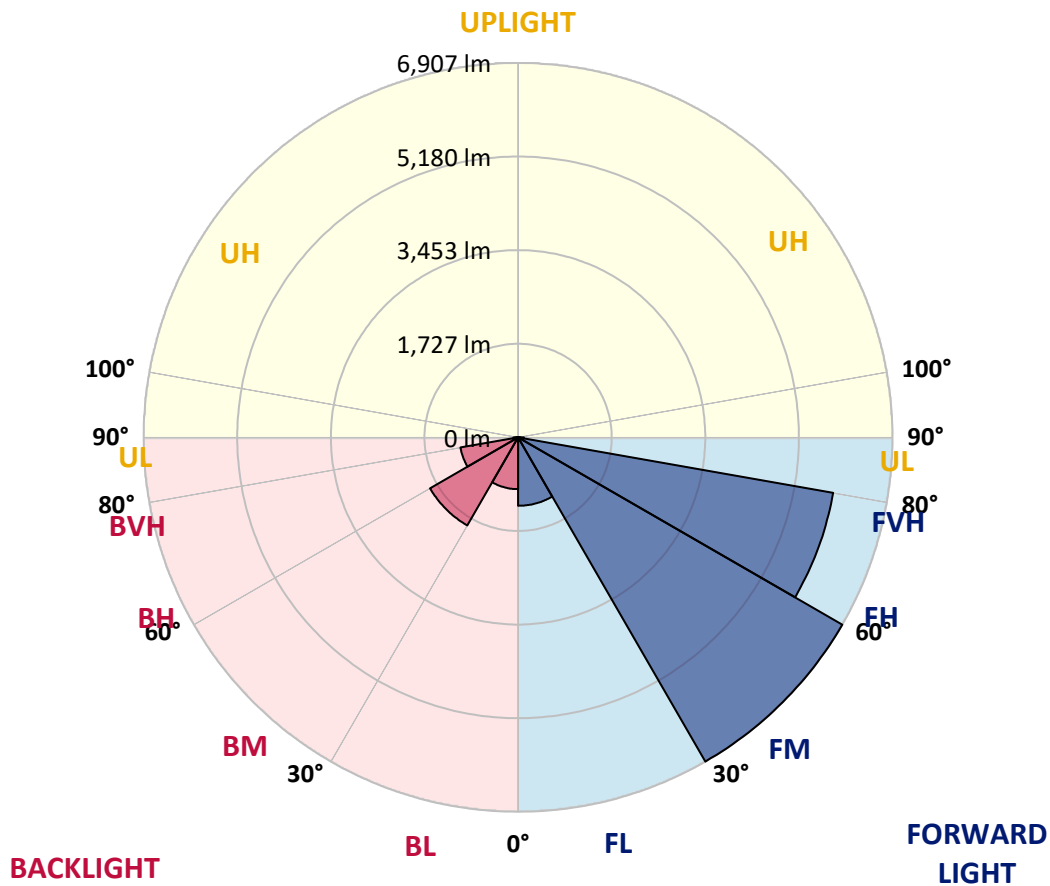
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1262.4	6.9			
FM (30°-60°)	6906.8	38.0			
FH (60°-80°)	5901.8	32.5			G3/7500
FVH (80°-90°)	108.1	0.6			G2/225
BL (0°-30°)	955.7	5.3	B2/1000		
BM (30°-60°)	1875.8	10.3	B2/2500		
BH (60°-80°)	1078.5	5.9	B3/2500		G3/2500
BVH (80°-90°)	85.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2190.0	2190.0	2190.0	2190.0	2190.0	2190.0	2190.0	2190.0	2190.0	2190.0	2190.0
2.5°	2221.2	2218.6	2217.3	2225.1	2222.5	2221.2	2221.2	2219.9	2217.3	2206.9	2192.6
5°	2282.4	2277.2	2272.0	2278.5	2273.3	2268.1	2266.8	2264.2	2255.1	2239.5	2217.3
7.5°	2346.2	2341.0	2342.3	2346.2	2342.3	2339.7	2335.8	2333.2	2318.9	2294.1	2264.2
10°	2436.1	2436.1	2438.7	2442.6	2443.9	2440.0	2432.1	2428.2	2411.3	2380.1	2338.4
12.5°	2566.3	2563.7	2563.7	2561.0	2565.0	2561.0	2553.2	2546.7	2525.9	2485.5	2425.6
15°	2738.1	2727.7	2718.6	2701.7	2696.5	2682.1	2684.7	2680.8	2661.3	2606.6	2531.1
17.5°	2921.7	2920.4	2906.1	2872.2	2838.4	2814.9	2820.1	2818.8	2808.4	2734.2	2637.9
20°	3083.2	3089.7	3076.6	3050.6	3005.0	2960.8	2958.2	2964.7	2951.6	2877.4	2743.3
22.5°	3264.1	3258.9	3245.9	3212.1	3178.2	3131.3	3115.7	3110.5	3105.3	3020.7	2851.4
25°	3436.0	3451.6	3434.7	3403.4	3351.4	3300.6	3287.6	3292.8	3278.5	3166.5	2967.3
27.5°	3653.4	3659.9	3649.5	3606.6	3562.3	3490.7	3465.9	3465.9	3460.7	3303.2	3058.4
30°	3885.2	3903.4	3885.2	3850.0	3804.5	3701.6	3648.2	3643.0	3627.4	3443.8	3165.2
32.5°	4118.2	4131.3	4118.2	4084.4	4032.3	3942.5	3865.7	3853.9	3833.1	3597.4	3274.5
35°	4325.3	4337.0	4334.4	4342.2	4299.2	4186.0	4139.1	4133.9	4079.2	3798.0	3423.0
37.5°	4551.8	4566.1	4546.6	4562.2	4545.3	4438.5	4424.2	4398.2	4320.1	3986.7	3579.2
40°	4809.6	4822.6	4791.4	4797.9	4778.4	4718.5	4645.6	4610.4	4494.5	4191.2	3825.3
42.5°	5085.6	5115.6	5129.9	5118.2	5072.6	5038.8	4911.2	4866.9	4770.6	4559.6	4230.2
45°	5485.4	5529.6	5550.5	5520.5	5501.0	5452.8	5296.6	5243.2	5192.4	5079.1	4795.3
47.5°	5916.3	5956.7	6023.1	6036.1	6051.7	6015.3	5795.2	5743.2	5752.3	5739.2	5490.6
50°	6260.0	6293.9	6443.6	6603.8	6736.6	6747.0	6465.8	6409.8	6459.3	6500.9	6327.8
52.5°	6510.0	6540.0	6737.9	7068.6	7369.4	7592.0	7288.6	7224.8	7265.2	7358.9	7279.5
55°	6713.1	6754.8	6961.8	7469.6	8077.7	8429.2	8235.2	8154.5	8137.5	8253.4	8299.0
57.5°	6819.9	6832.9	7123.3	7783.4	8597.2	9250.8	9335.4	9244.2	9082.8	9146.6	9383.6
60°	6576.4	6598.6	6995.7	7864.1	9007.3	10065.8	10490.3	10414.8	10071.0	10106.2	10367.9
62.5°	5903.3	5934.5	6412.4	7480.0	9041.1	10610.1	11556.6	11508.4	11047.5	10857.4	10935.6
65°	4735.4	4745.8	5240.6	6529.6	8368.0	10677.8	12300.1	12288.3	11729.8	11284.5	10949.9
67.5°	2700.4	2682.1	3343.6	4657.3	6905.8	9797.6	12348.2	12417.2	11951.1	11214.2	10038.5
70°	1170.5	1173.1	1477.8	2298.0	4469.8	7918.8	11469.4	11587.9	11310.5	10043.7	7986.5
72.5°	541.6	549.4	680.9	994.7	1908.7	4912.5	9352.3	9459.1	9220.8	8038.6	5810.9
75°	382.8	389.3	454.4	570.3	877.6	1914.0	6256.1	6480.1	6596.0	6012.7	3829.2
77.5°	290.3	299.5	332.0	395.8	541.6	678.3	2993.3	3527.1	4201.6	3740.7	1972.5
80°	184.9	184.9	220.0	264.3	330.7	352.8	864.5	1024.7	2055.9	1541.6	774.7
82.5°	125.0	128.9	149.7	168.0	190.1	200.5	371.1	395.8	593.7	524.7	319.0
85°	66.4	69.0	78.1	76.8	91.1	79.4	156.2	154.9	217.4	238.3	121.1
87.5°	0.0	0.0	1.3	1.3	2.6	3.9	16.9	18.2	45.6	72.9	40.4
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°	2190.0	2190.0	2190.0	2190.0	2190.0	2190.0	2190.0	2190.0	2190.0	2190.0	2190.0
2.5°	2200.4	2184.8	2192.6	2190.0	2197.8	2197.8	2183.5	2179.6	2180.9	2165.2	2160.0
5°	2219.9	2201.7	2205.6	2200.4	2208.2	2214.7	2208.2	2208.2	2216.0	2204.3	2197.8
7.5°	2264.2	2243.4	2243.4	2236.8	2246.0	2251.2	2246.0	2253.8	2268.1	2256.4	2249.9
10°	2334.5	2309.8	2311.1	2303.3	2307.2	2304.6	2283.7	2277.2	2281.1	2270.7	2265.5
12.5°	2425.6	2391.8	2391.8	2376.2	2367.0	2339.7	2296.7	2281.1	2283.7	2274.6	2270.7
15°	2512.9	2481.6	2475.1	2443.9	2402.2	2351.4	2312.4	2301.9	2304.6	2295.4	2288.9
17.5°	2615.7	2575.4	2551.9	2494.6	2417.8	2365.7	2326.7	2301.9	2281.1	2260.3	2255.1
20°	2710.8	2660.0	2617.0	2528.5	2434.8	2363.1	2290.2	2229.0	2178.3	2150.9	2144.4
22.5°	2808.4	2743.3	2667.8	2551.9	2433.5	2316.3	2182.2	2089.7	2014.2	1973.8	1981.7
25°	2900.9	2818.8	2716.0	2574.1	2391.8	2212.1	2029.8	1891.8	1805.9	1774.6	1765.5
27.5°	2977.7	2876.1	2760.3	2563.7	2305.9	2062.4	1821.5	1667.9	1584.5	1549.4	1540.3
30°	3063.6	2949.0	2824.1	2515.5	2170.4	1852.8	1585.8	1460.9	1401.0	1367.1	1368.4
32.5°	3162.6	3042.8	2913.9	2423.0	1997.3	1626.2	1391.8	1305.9	1257.7	1223.9	1218.7
35°	3295.4	3176.9	2973.8	2283.7	1777.2	1417.9	1259.0	1188.7	1128.8	1084.6	1075.5
37.5°	3459.4	3378.7	2980.3	2097.5	1541.6	1274.7	1164.0	1088.5	1015.6	957.0	950.5
40°	3740.7	3648.2	2926.9	1864.5	1341.1	1182.2	1084.6	997.3	912.7	847.6	838.5
42.5°	4141.7	3951.6	2812.3	1601.5	1190.0	1109.3	1009.1	898.4	812.5	766.9	760.4
45°	4652.1	4290.1	2640.5	1354.1	1078.1	1037.7	929.6	813.8	768.2	735.6	729.1
47.5°	5277.0	4684.6	2442.6	1161.4	990.8	972.6	848.9	785.1	744.7	717.4	710.9
50°	6024.4	5187.2	2279.8	1010.4	912.7	897.1	822.9	768.2	735.6	713.5	708.3
52.5°	6877.2	5745.8	2200.4	902.3	845.0	829.4	813.8	764.3	736.9	720.0	713.5
55°	7762.6	6334.3	2126.2	819.0	787.7	796.8	815.1	777.3	756.5	734.3	727.8
57.5°	8618.0	6886.3	1943.9	753.9	746.1	781.2	821.6	790.3	765.6	743.4	735.6
60°	9207.8	7188.4	1635.3	701.8	714.8	761.7	804.6	770.8	739.5	730.4	726.5
62.5°	9366.6	7151.9	1269.5	648.4	677.0	718.7	760.4	738.2	705.7	720.0	721.3
65°	8995.6	6761.3	953.1	596.3	627.6	662.7	714.8	705.7	694.0	733.0	734.3
67.5°	7944.8	5801.7	726.5	550.7	576.8	619.8	700.5	738.2	740.8	790.3	785.1
70°	6011.4	4334.4	569.0	507.8	537.7	619.8	746.1	763.0	731.7	777.3	766.9
72.5°	4156.0	2860.5	484.3	470.0	489.6	591.1	744.7	744.7	710.9	710.9	691.4
75°	2581.9	1682.2	421.9	421.9	421.9	516.9	723.9	686.2	626.3	598.9	583.3
77.5°	1274.7	817.7	354.1	367.2	352.8	432.3	591.1	561.2	524.7	496.1	485.6
80°	544.2	408.8	286.4	300.8	283.8	325.5	468.7	462.2	427.1	389.3	377.6
82.5°	250.0	210.9	229.2	235.7	207.0	244.8	342.4	342.4	322.9	270.8	251.3
85°	106.8	112.0	158.8	158.8	130.2	138.0	183.6	174.5	156.2	127.6	117.2
87.5°	36.5	54.7	80.7	70.3	27.3	11.7	6.5	2.6	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)