

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: P639874

Luminaire Tested: GWS-SA5C-760-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639874  
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-SA5C-760-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (80) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

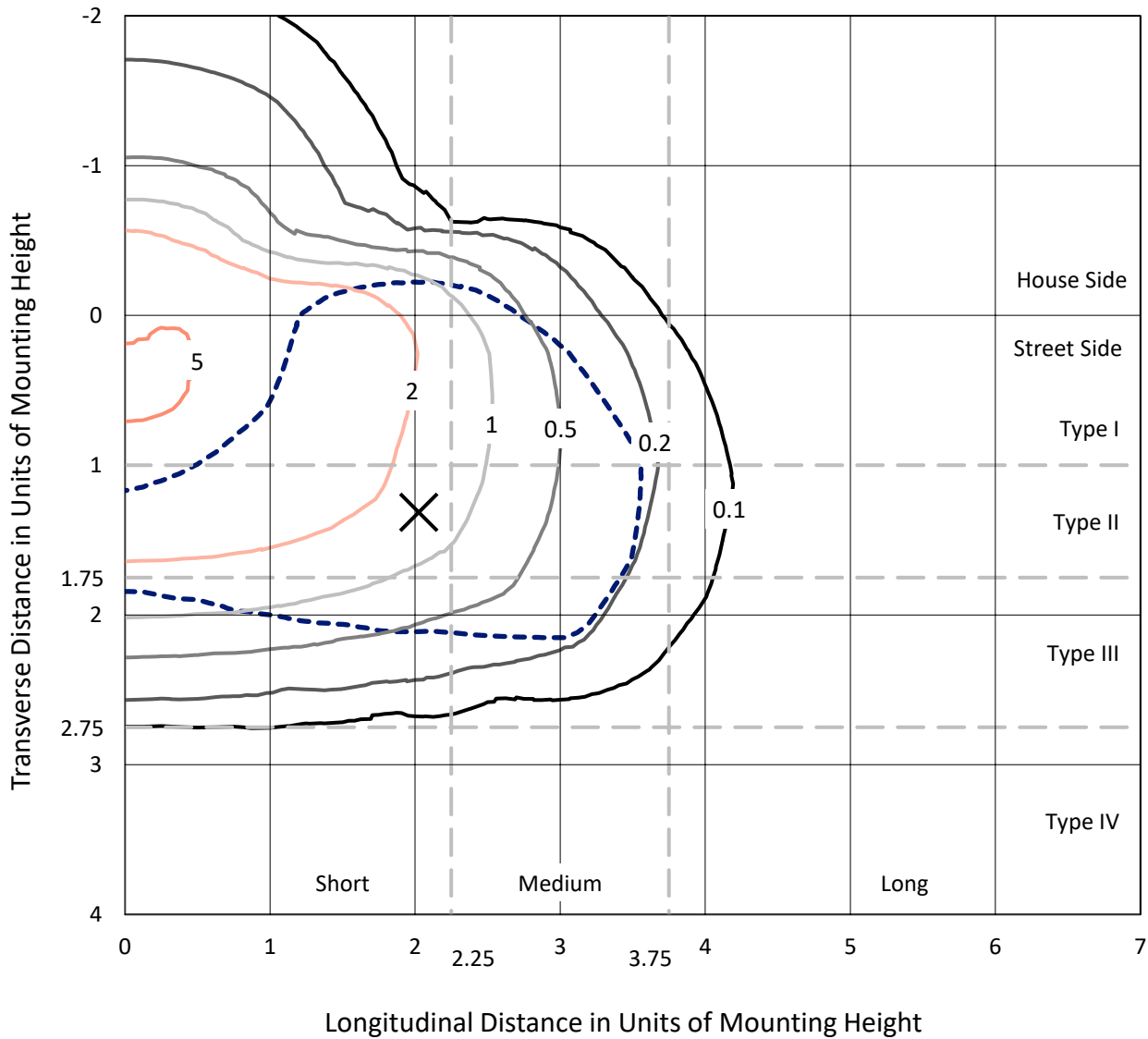
Lumens per Lamp: N/A  
Luminaire Lumens: 24040.7 lumens  
Efficiency: N/A  
Efficacy: 152.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 157.5  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

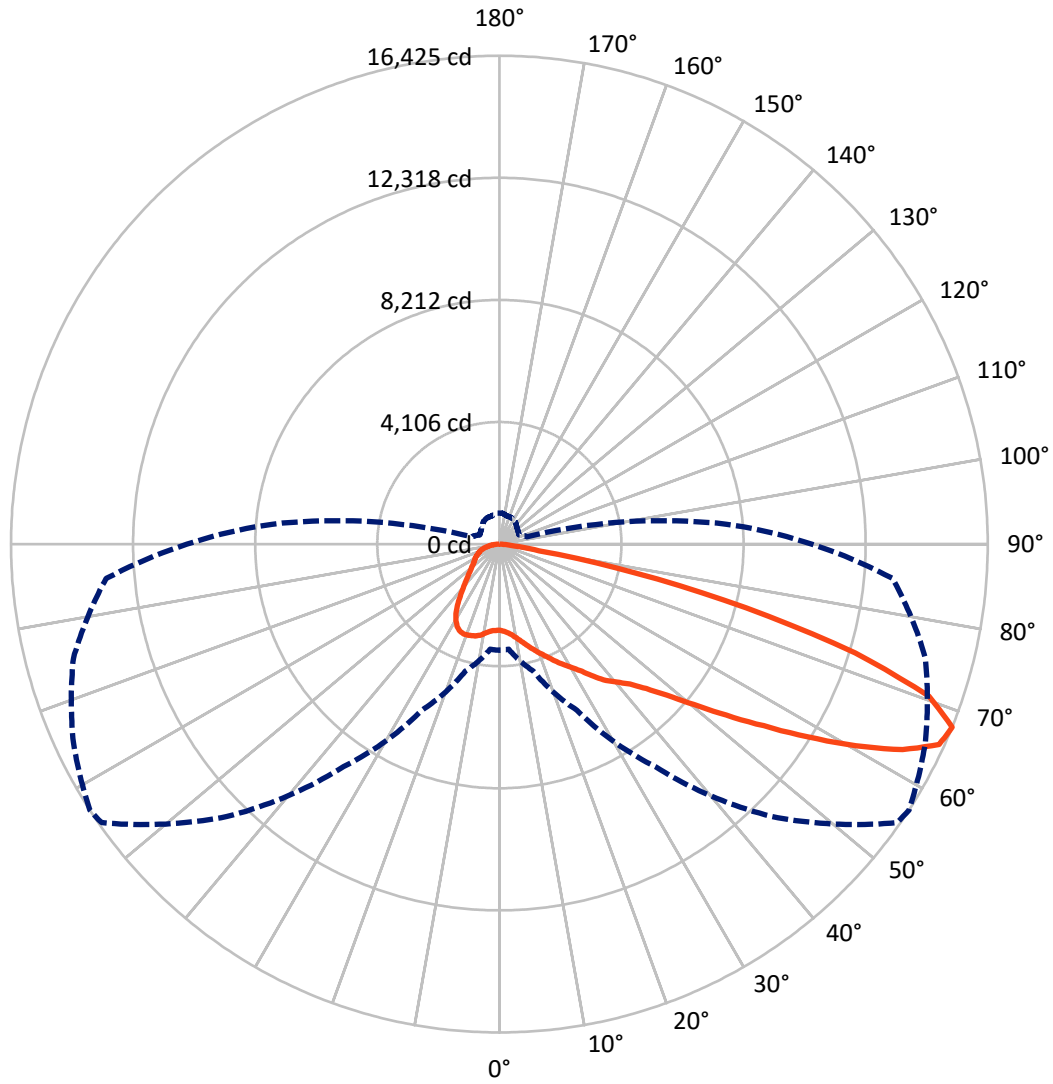
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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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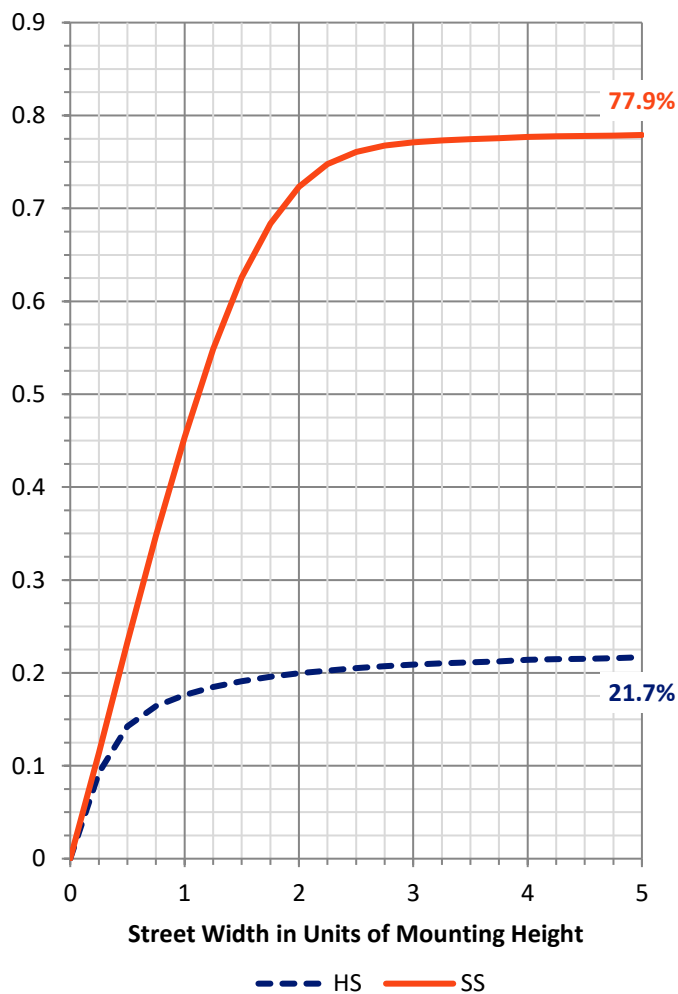
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5285.6	0.0	5285.6
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	18755.1	0.0	18755.1
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	24040.7	0.0	24040.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	287.3	1.2
10°-20°	951.1	4.0
20°-30°	1695.6	7.1
30°-40°	2465.2	10.3
40°-50°	3568.0	14.8
50°-60°	5583.8	23.2
60°-70°	6513.9	27.1
70°-80°	2719.2	11.3
80°-90°	256.6	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°	24040.7	100.0
0°-180°	24040.7	100.0

**Coefficient of Utilization**



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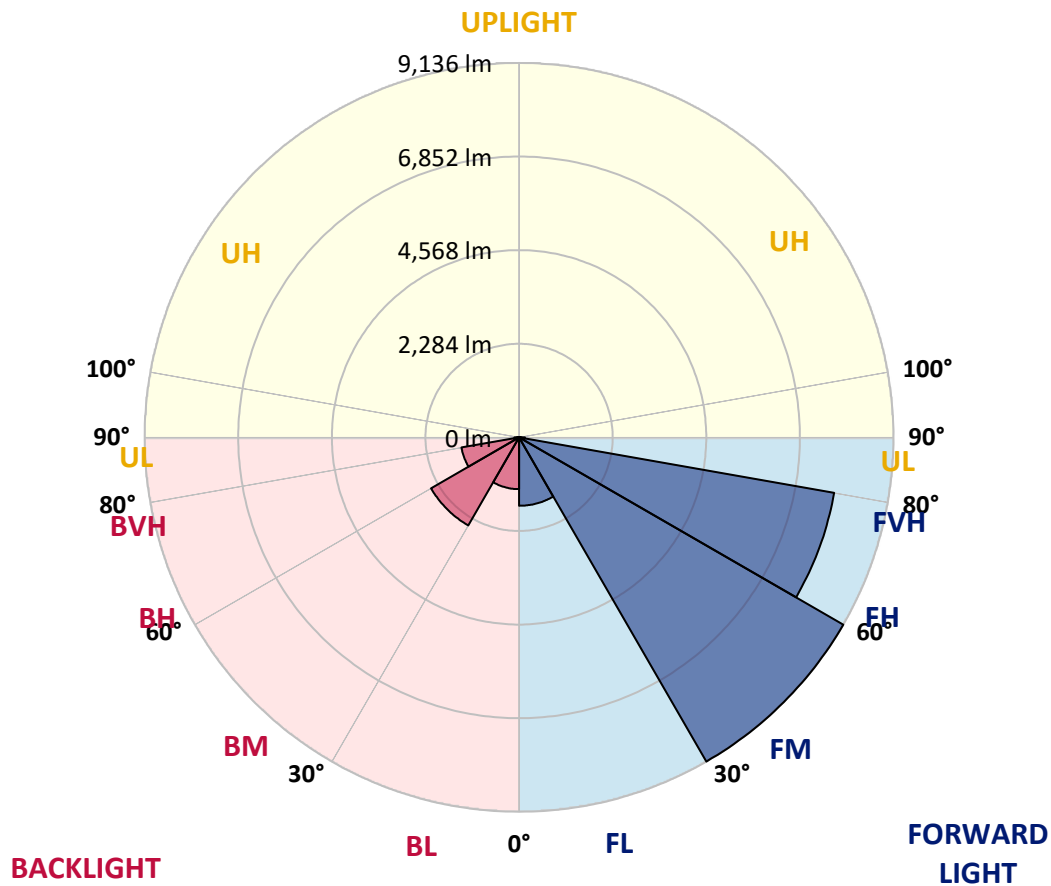
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1669.9	6.9			
FM (30°-60°)	9135.8	38.0			
FH (60°-80°)	7806.4	32.5			G4/12000
FVH (80°-90°)	143.0	0.6			G2/225
BL (0°-30°)	1264.2	5.3	B3/2500		
BM (30°-60°)	2481.2	10.3	B2/2500		
BH (60°-80°)	1426.6	5.9	B3/2500		G3/2500
BVH (80°-90°)	113.6	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7
2.5°	2938.1	2934.6	2932.9	2943.2	2939.8	2938.1	2938.1	2936.4	2932.9	2919.1	2900.2
5°	3019.0	3012.1	3005.2	3013.9	3007.0	3000.1	2998.4	2994.9	2982.9	2962.2	2932.9
7.5°	3103.4	3096.5	3098.2	3103.4	3098.2	3094.8	3089.6	3086.2	3067.2	3034.5	2994.9
10°	3222.2	3222.2	3225.7	3230.8	3232.6	3227.4	3217.1	3211.9	3189.5	3148.2	3093.1
12.5°	3394.5	3391.0	3391.0	3387.6	3392.7	3387.6	3377.2	3368.6	3341.1	3287.7	3208.5
15°	3621.8	3608.0	3596.0	3573.6	3566.7	3547.7	3551.2	3546.0	3520.2	3447.8	3348.0
17.5°	3864.6	3862.9	3844.0	3799.2	3754.4	3723.4	3730.3	3728.6	3714.8	3616.6	3489.2
20°	4078.2	4086.8	4069.6	4035.1	3974.8	3916.3	3912.8	3921.4	3904.2	3806.1	3628.7
22.5°	4317.6	4310.7	4293.4	4248.7	4203.9	4141.9	4121.2	4114.3	4107.4	3995.5	3771.6
25°	4544.9	4565.6	4543.2	4501.8	4432.9	4365.8	4348.6	4355.4	4336.5	4188.4	3924.9
27.5°	4832.5	4841.1	4827.3	4770.5	4711.9	4617.2	4584.5	4584.5	4577.6	4369.2	4045.4
30°	5139.0	5163.2	5139.0	5092.5	5032.3	4896.2	4825.6	4818.7	4798.0	4555.2	4186.7
32.5°	5447.3	5464.5	5447.3	5402.5	5333.7	5214.8	5113.2	5097.7	5070.2	4758.4	4331.3
35°	5721.1	5736.6	5733.2	5743.5	5686.7	5536.9	5474.9	5468.0	5395.7	5023.7	4527.7
37.5°	6020.8	6039.8	6013.9	6034.6	6012.2	5871.0	5852.0	5817.6	5714.3	5273.4	4734.3
40°	6361.8	6379.0	6337.7	6346.3	6320.5	6241.3	6144.8	6098.3	5945.0	5543.8	5059.8
42.5°	6726.9	6766.5	6785.5	6770.0	6709.7	6664.9	6496.1	6437.6	6310.1	6031.1	5595.4
45°	7255.6	7314.2	7341.7	7302.1	7276.3	7212.6	7005.9	6935.3	6868.1	6718.3	6342.9
47.5°	7825.7	7879.1	7966.9	7984.1	8004.8	7956.6	7665.5	7596.6	7608.7	7591.5	7262.5
50°	8280.3	8325.1	8523.2	8735.0	8910.7	8924.4	8552.4	8478.4	8543.8	8598.9	8369.9
52.5°	8611.0	8650.6	8912.4	9349.8	9747.7	10042.1	9640.9	9556.5	9609.9	9733.9	9628.8
55°	8879.7	8934.8	9208.6	9880.3	10684.5	11149.5	10892.9	10786.1	10763.8	10917.0	10977.3
57.5°	9020.9	9038.1	9422.2	10295.3	11371.7	12236.2	12348.2	12227.6	12014.1	12098.5	12411.9
60°	8698.8	8728.1	9253.4	10402.1	11914.2	13314.3	13875.8	13775.9	13321.2	13367.7	13713.9
62.5°	7808.5	7849.8	8481.8	9894.0	11959.0	14034.2	15286.2	15222.5	14612.9	14361.4	14464.8
65°	6263.6	6277.4	6931.9	8636.8	11068.6	14123.8	16269.6	16254.1	15515.3	14926.3	14483.7
67.5°	3571.8	3547.7	4422.6	6160.3	9134.5	12959.6	16333.3	16424.6	15808.1	14833.3	13278.2
70°	1548.3	1551.7	1954.7	3039.7	5912.3	10474.4	15170.9	15327.6	14960.8	13285.1	10564.0
72.5°	716.4	726.8	900.7	1315.8	2524.7	6497.9	12370.6	12511.8	12196.6	10632.9	7686.2
75°	506.3	514.9	601.0	754.3	1160.8	2531.6	8275.2	8571.4	8724.7	7953.1	5065.0
77.5°	384.1	396.1	439.2	523.5	716.4	897.3	3959.3	4665.4	5557.5	4947.9	2609.1
80°	244.6	244.6	291.1	349.6	437.4	466.7	1143.5	1355.4	2719.4	2039.1	1024.7
82.5°	165.3	170.5	198.1	222.2	251.4	265.2	490.8	523.5	785.3	694.0	421.9
85°	87.8	91.3	103.3	101.6	120.6	105.1	206.7	204.9	287.6	315.2	160.2
87.5°	0.0	0.0	1.7	1.7	3.4	5.2	22.4	24.1	60.3	96.4	53.4
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°	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7
2.5°	2910.5	2889.9	2900.2	2896.7	2907.1	2907.1	2888.1	2883.0	2884.7	2864.0	2857.1
5°	2936.4	2912.2	2917.4	2910.5	2920.9	2929.5	2920.9	2920.9	2931.2	2915.7	2907.1
7.5°	2994.9	2967.4	2967.4	2958.7	2970.8	2977.7	2970.8	2981.1	3000.1	2984.6	2976.0
10°	3087.9	3055.2	3056.9	3046.6	3051.7	3048.3	3020.7	3012.1	3017.3	3003.5	2996.6
12.5°	3208.5	3163.7	3163.7	3143.0	3131.0	3094.8	3038.0	3017.3	3020.7	3008.7	3003.5
15°	3323.8	3282.5	3273.9	3232.6	3177.5	3110.3	3058.6	3044.8	3048.3	3036.2	3027.6
17.5°	3459.9	3406.5	3375.5	3299.7	3198.1	3129.2	3077.6	3044.8	3017.3	2989.7	2982.9
20°	3585.6	3518.5	3461.6	3344.5	3220.5	3125.8	3029.4	2948.4	2881.2	2845.1	2836.5
22.5°	3714.8	3628.7	3528.8	3375.5	3218.8	3063.8	2886.4	2764.1	2664.2	2610.9	2621.2
25°	3837.1	3728.6	3592.5	3404.8	3163.7	2926.0	2684.9	2502.4	2388.7	2347.4	2335.3
27.5°	3938.7	3804.3	3651.1	3391.0	3050.0	2728.0	2409.4	2206.1	2095.9	2049.4	2037.4
30°	4052.3	3900.8	3735.5	3327.3	2870.9	2450.7	2097.6	1932.3	1853.1	1808.3	1810.0
32.5°	4183.2	4024.8	3854.3	3205.0	2641.9	2151.0	1841.0	1727.4	1663.6	1618.9	1612.0
35°	4358.9	4202.2	3933.5	3020.7	2350.8	1875.5	1665.4	1572.4	1493.1	1434.6	1422.5
37.5°	4575.9	4469.1	3942.1	2774.5	2039.1	1686.0	1539.6	1439.8	1343.3	1265.8	1257.2
40°	4947.9	4825.6	3871.5	2466.2	1773.9	1563.8	1434.6	1319.2	1207.3	1121.2	1109.1
42.5°	5478.3	5226.9	3720.0	2118.3	1574.1	1467.3	1334.7	1188.3	1074.7	1014.4	1005.8
45°	6153.4	5674.6	3492.6	1791.1	1426.0	1372.6	1229.7	1076.4	1016.1	973.0	964.4
47.5°	6980.1	6196.5	3230.8	1536.2	1310.6	1286.5	1122.9	1038.5	985.1	948.9	940.3
50°	7968.6	6861.2	3015.6	1336.4	1207.3	1186.6	1088.4	1016.1	973.0	943.8	936.9
52.5°	9096.7	7600.1	2910.5	1193.5	1117.7	1097.0	1076.4	1010.9	974.8	952.4	943.8
55°	10267.8	8378.5	2812.4	1083.3	1041.9	1054.0	1078.1	1028.2	1000.6	971.3	962.7
57.5°	11399.2	9108.7	2571.2	997.2	986.8	1033.3	1086.7	1045.4	1012.7	983.4	973.0
60°	12179.4	9508.3	2163.1	928.3	945.5	1007.5	1064.3	1019.5	978.2	966.2	961.0
62.5°	12389.5	9460.0	1679.1	857.7	895.5	950.7	1005.8	976.5	933.4	952.4	954.1
65°	11898.7	8943.4	1260.7	788.8	830.1	876.6	945.5	933.4	917.9	969.6	971.3
67.5°	10508.9	7674.1	961.0	728.5	762.9	819.8	926.5	976.5	979.9	1045.4	1038.5
70°	7951.4	5733.2	752.6	671.7	711.3	819.8	986.8	1009.2	967.9	1028.2	1014.4
72.5°	5497.3	3783.7	640.7	621.7	647.5	781.9	985.1	985.1	940.3	940.3	914.5
75°	3415.1	2225.1	558.0	558.0	558.0	683.7	957.5	907.6	828.4	792.2	771.5
77.5°	1686.0	1081.5	468.4	485.7	466.7	571.8	781.9	742.3	694.0	656.2	642.4
80°	719.9	540.8	378.9	397.8	375.4	430.6	620.0	611.4	564.9	514.9	499.4
82.5°	330.7	279.0	303.1	311.7	273.8	323.8	452.9	452.9	427.1	358.2	332.4
85°	141.2	148.1	210.1	210.1	172.2	182.6	242.8	230.8	206.7	168.8	155.0
87.5°	48.2	72.3	106.8	93.0	36.2	15.5	8.6	3.4	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)