

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: P641789

Luminaire Tested: GWS-SA6B-750-U-T2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641789  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-750-U-T2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

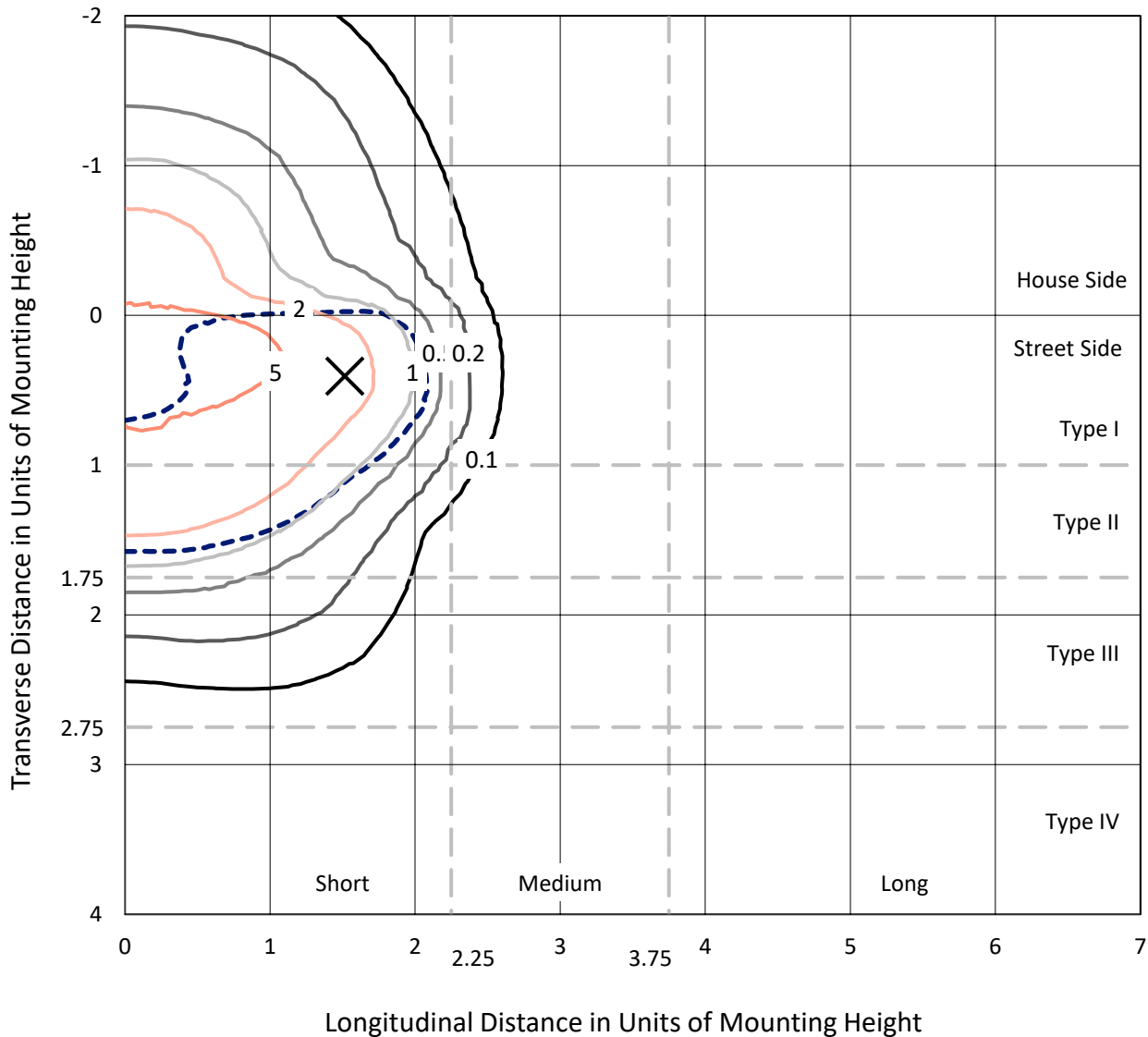
Lumens per Lamp: N/A  
Luminaire Lumens: 18056.5 lumens  
Efficiency: N/A  
Efficacy: 130.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

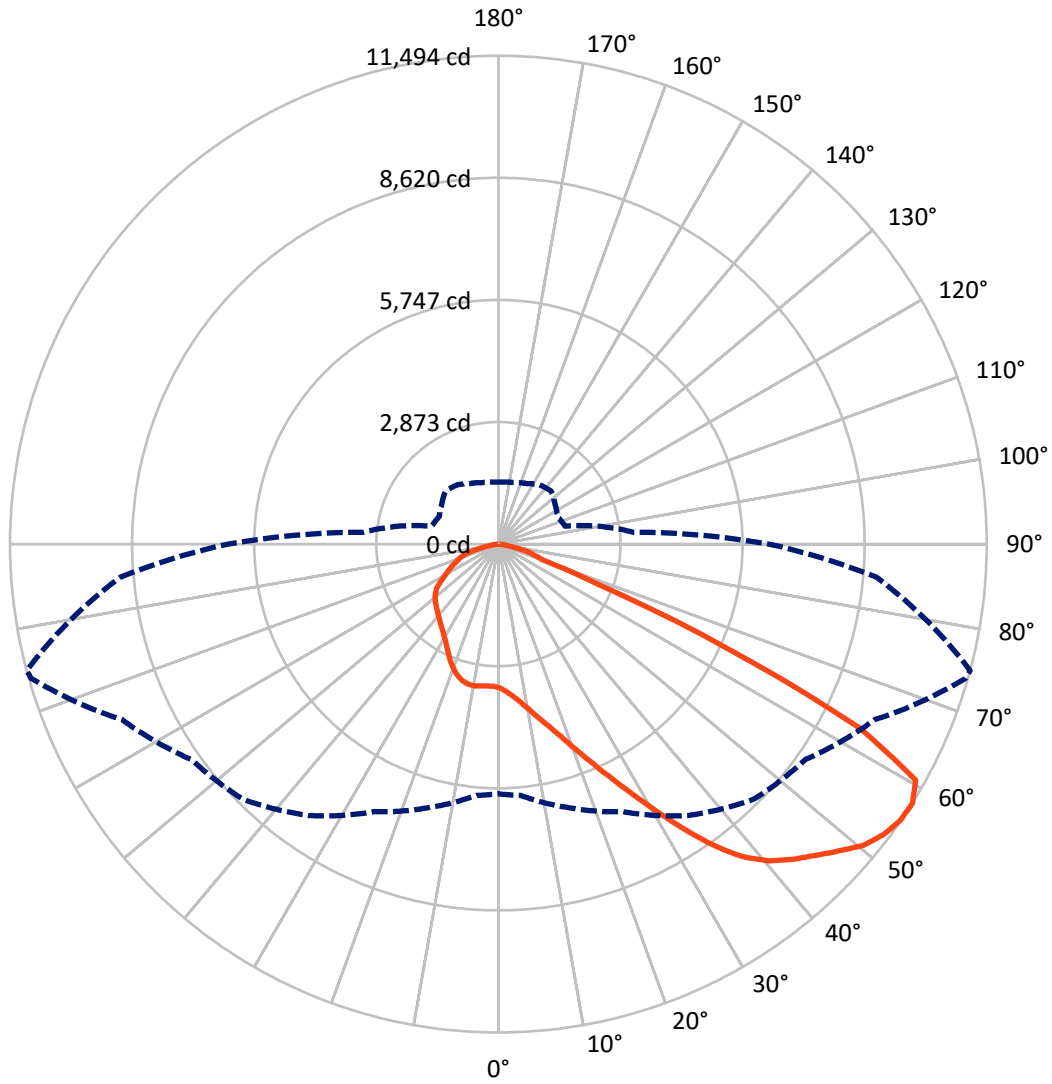
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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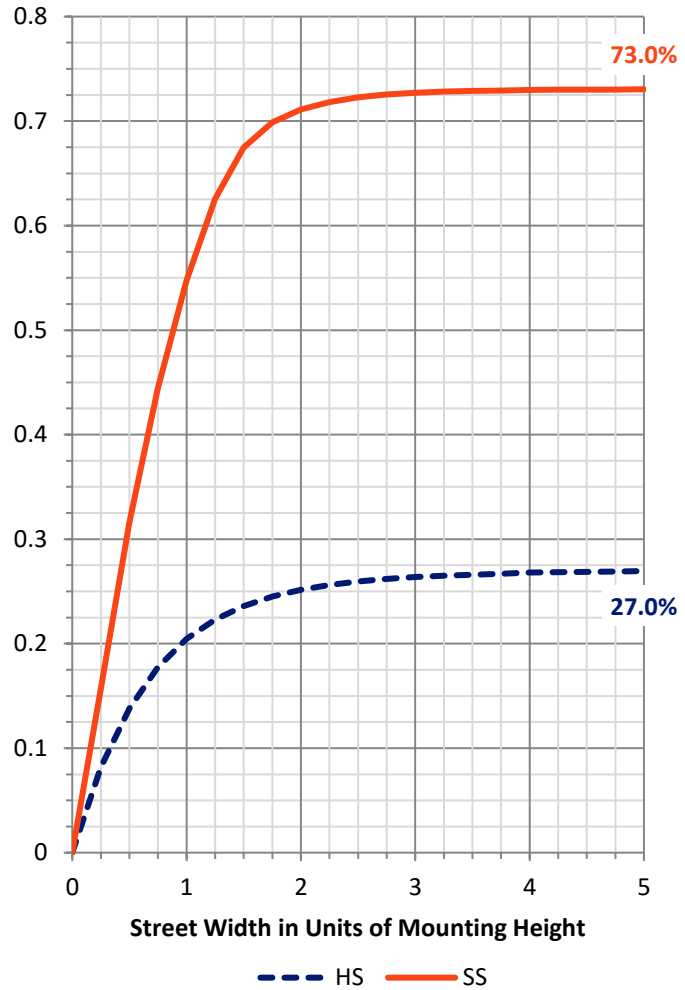
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4884.6	0.0	4884.6
	% Fixture	27.1	0.0	27.1
<b>Street Side</b>	Lumens	13171.8	0.0	13171.8
	% Fixture	72.9	0.0	72.9
<b>Total</b>	Lumens	18056.5	0.0	18056.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	338.4	1.9
10°-20°	1077.4	6.0
20°-30°	1910.7	10.6
30°-40°	2924.9	16.2
40°-50°	4072.7	22.6
50°-60°	4666.5	25.8
60°-70°	2397.7	13.3
70°-80°	603.7	3.3
80°-90°	64.5	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°	18056.5	100.0
0°-180°	18056.5	100.0

**Coefficient of Utilization**



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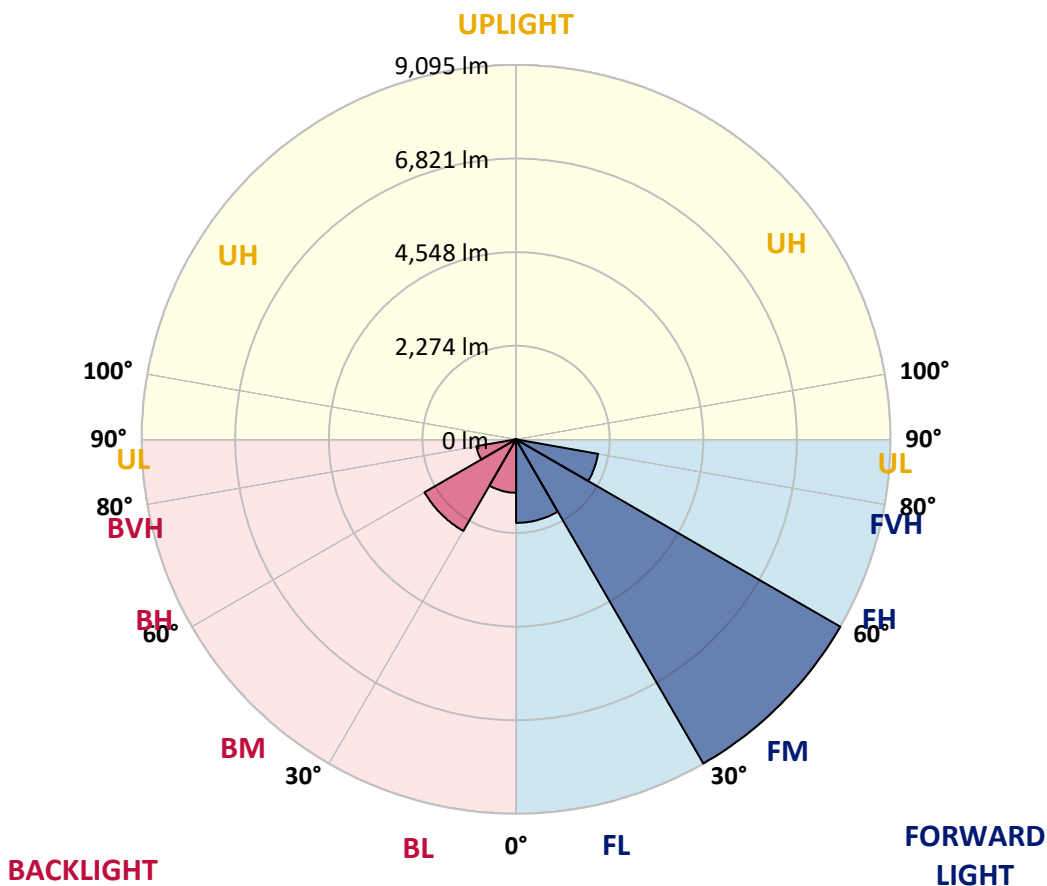
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2028.8	11.2			
FM (30°-60°)	9095.3	50.4			
FH (60°-80°)	2023.9	11.2			G2/5000
FVH (80°-90°)	23.9	0.1			G1/100
BL (0°-30°)	1297.7	7.2	B3/2500		
BM (30°-60°)	2568.9	14.2	B3/5000		
BH (60°-80°)	977.5	5.4	B2/1000		G2/1000
BVH (80°-90°)	40.7	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°	55°	65°	74°	75°	85°
0°	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5
2.5°	3633.1	3642.4	3633.1	3648.6	3617.5	3603.6	3569.4	3518.2	3477.8	3471.6	3426.6
5°	3915.6	3935.8	3923.4	3917.2	3875.3	3844.2	3793.0	3690.5	3606.7	3594.3	3505.8
7.5°	4097.3	4111.3	4111.3	4115.9	4100.4	4064.7	4010.3	3889.2	3771.2	3752.6	3619.1
10°	4157.8	4168.7	4188.9	4227.7	4258.8	4269.6	4233.9	4117.5	3973.1	3954.5	3768.1
12.5°	4171.8	4184.2	4215.3	4286.7	4372.1	4449.7	4455.9	4370.6	4209.1	4188.9	3940.5
15°	4198.2	4210.6	4252.6	4341.1	4466.8	4615.9	4707.5	4648.5	4469.9	4448.2	4136.1
17.5°	4195.1	4209.1	4271.2	4389.2	4558.4	4774.2	4951.2	4976.1	4791.3	4754.0	4358.1
20°	4187.3	4199.8	4266.5	4410.9	4620.5	4917.1	5236.9	5365.8	5167.0	5132.9	4617.4
22.5°	4249.4	4263.4	4314.7	4434.2	4653.1	5027.3	5500.8	5811.4	5612.6	5564.5	4915.5
25°	4389.2	4409.4	4440.4	4522.7	4712.1	5125.1	5771.0	6316.0	6112.6	6055.1	5240.0
27.5°	4605.0	4629.8	4673.3	4712.1	4844.1	5249.3	6039.6	6881.1	6677.7	6617.2	5583.1
30°	4868.9	4901.5	4957.4	4983.8	5073.9	5432.5	6331.5	7463.3	7345.3	7261.5	5969.7
32.5°	5233.8	5278.8	5331.6	5339.4	5393.7	5710.4	6620.3	8040.9	8039.3	7980.3	6409.1
35°	5708.9	5757.0	5767.9	5778.8	5805.1	6092.4	6969.6	8567.2	8770.6	8702.3	6887.3
37.5°	6227.5	6297.3	6314.4	6266.3	6303.5	6551.9	7362.4	8989.5	9407.2	9334.2	7350.0
40°	6781.7	6809.7	6856.3	6780.2	6826.8	7078.3	7747.4	9259.7	9882.3	9804.6	7714.8
42.5°	7179.2	7230.4	7300.3	7272.3	7298.7	7528.5	8017.6	9390.1	10220.7	10143.1	7977.2
45°	7610.8	7626.3	7671.4	7665.2	7680.7	7894.9	8211.7	9447.5	10523.5	10453.6	8200.8
47.5°	7986.5	8009.8	8039.3	8005.2	7971.0	8110.7	8370.0	9497.2	10872.8	10789.0	8435.2
50°	8348.3	8368.5	8404.2	8304.8	8177.5	8213.2	8447.7	9565.5	11200.4	11141.4	8620.0
52.5°	8415.1	8436.8	8604.5	8624.7	8461.6	8335.9	8584.3	9716.1	11392.9	11355.7	8686.8
55°	7575.1	7613.9	7947.7	8331.2	8733.3	8693.0	8803.2	9795.3	11469.0	11478.3	8806.3
57.5°	5879.7	5935.6	6423.1	6949.4	7795.6	8495.8	8831.2	9775.1	11442.6	11493.9	8929.0
60°	3856.6	3889.2	4466.8	5056.8	5934.0	6902.8	7904.3	9411.8	11208.2	11281.1	8897.9
62.5°	2328.9	2366.2	2830.4	3277.5	3794.5	4442.0	5361.1	7564.2	9394.7	9557.8	7126.4
65°	1625.6	1675.2	2082.0	2450.0	2628.5	2495.0	2715.5	4224.6	5853.3	5921.6	4355.0
67.5°	1178.4	1212.6	1546.4	1984.2	2181.4	1762.2	1343.0	1870.9	2549.4	2574.2	1796.4
70°	771.6	810.5	1113.2	1510.7	1780.8	1428.4	1004.5	1012.3	1072.8	1085.3	1043.3
72.5°	423.9	447.1	687.8	1003.0	1052.7	853.9	784.1	841.5	883.4	883.4	894.3
75°	218.9	239.1	281.0	330.7	399.0	467.3	565.1	650.5	695.6	698.7	694.0
77.5°	111.8	119.5	150.6	163.0	178.5	208.0	270.2	346.2	386.6	402.1	399.0
80°	52.8	55.9	63.7	74.5	91.6	116.4	145.9	173.9	198.7	201.8	218.9
82.5°	27.9	31.1	34.2	40.4	49.7	62.1	85.4	102.5	118.0	121.1	135.1
85°	10.9	12.4	14.0	15.5	21.7	26.4	35.7	48.1	59.0	59.0	69.9
87.5°	0.0	0.0	0.0	0.0	1.6	3.1	6.2	7.8	10.9	10.9	18.6
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°	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5
2.5°	3415.7	3370.7	3350.5	3317.9	3291.5	3262.0	3238.7	3221.6	3210.8	3204.6	3198.3
5°	3471.6	3403.3	3348.9	3283.7	3238.7	3195.2	3159.5	3134.7	3122.3	3113.0	3106.7
7.5°	3558.5	3466.9	3364.5	3263.6	3184.4	3114.5	3069.5	3043.1	3026.0	3019.8	3015.1
10°	3678.1	3550.8	3381.5	3221.6	3103.6	3027.6	2996.5	2984.1	2985.6	2982.5	2981.0
12.5°	3813.2	3639.3	3376.9	3147.1	3016.7	2971.7	2973.2	2993.4	3016.7	3022.9	3024.5
15°	3959.1	3726.2	3331.9	3050.8	2948.4	2953.0	2993.4	3041.5	3085.0	3102.1	3105.2
17.5°	4117.5	3799.2	3249.6	2945.3	2892.5	2942.2	3016.7	3095.9	3159.5	3187.5	3195.2
20°	4294.5	3861.3	3133.1	2841.2	2839.7	2922.0	3030.7	3134.7	3215.4	3252.7	3258.9
22.5°	4482.3	3900.1	2990.3	2745.0	2785.4	2895.6	3019.8	3128.5	3213.9	3251.1	3258.9
25°	4671.8	3912.5	2833.5	2656.5	2729.5	2853.7	2967.0	3054.0	3134.7	3167.3	3173.5
27.5°	4848.7	3876.8	2684.4	2580.4	2678.2	2791.6	2867.6	2914.2	2970.1	2995.0	2999.6
30°	5028.9	3805.4	2558.7	2519.9	2620.8	2706.2	2740.3	2743.4	2765.2	2765.2	2768.3
32.5°	5210.5	3699.8	2448.4	2460.9	2549.4	2605.3	2609.9	2574.2	2547.8	2504.3	2502.8
35°	5420.1	3592.7	2358.4	2394.1	2465.5	2499.7	2485.7	2417.4	2353.7	2282.3	2279.2
37.5°	5614.2	3482.5	2282.3	2325.8	2370.8	2395.7	2363.0	2280.8	2228.0	2155.0	2144.1
40°	5774.1	3383.1	2209.3	2254.4	2276.1	2297.8	2245.1	2178.3	2186.1	2145.7	2144.1
42.5°	5867.3	3286.8	2141.0	2175.2	2189.2	2204.7	2158.1	2108.4	2150.3	2119.3	2120.8
45°	5935.6	3203.0	2078.9	2091.3	2125.5	2148.8	2105.3	2049.4	2058.7	1939.2	1911.2
47.5°	6013.2	3156.4	2019.9	2007.5	2068.1	2108.4	2041.7	1960.9	1905.0	1787.0	1776.2
50°	6095.5	3139.3	1957.8	1923.7	1996.6	2035.5	1957.8	1856.9	1783.9	1720.3	1714.1
52.5°	6123.4	3137.8	1880.2	1822.7	1895.7	1950.1	1884.8	1782.4	1695.4	1633.3	1630.2
55°	6233.7	3182.8	1780.8	1684.6	1752.9	1864.7	1816.5	1669.0	1599.2	1571.2	1568.1
57.5°	6362.5	3190.6	1624.0	1534.0	1628.7	1760.6	1700.1	1572.8	1496.7	1462.5	1459.4
60°	6309.7	2999.6	1456.3	1419.1	1523.1	1662.8	1606.9	1496.7	1408.2	1375.6	1372.5
62.5°	4808.4	2117.7	1333.7	1319.7	1409.8	1521.5	1510.7	1395.8	1311.9	1288.7	1285.5
65°	2892.5	1487.4	1215.7	1214.1	1277.8	1384.9	1398.9	1305.7	1217.2	1184.6	1184.6
67.5°	1429.9	1138.1	1082.2	1074.4	1114.8	1190.8	1249.8	1173.8	1099.2	1068.2	1063.5
70°	1010.7	1003.0	984.3	962.6	970.4	1001.4	1026.3	962.6	883.4	852.4	846.2
72.5°	874.1	875.7	863.2	846.2	840.0	818.2	796.5	749.9	701.8	669.2	672.3
75°	678.5	681.6	689.4	683.1	666.1	642.8	619.5	560.5	521.7	490.6	484.4
77.5°	395.9	411.4	436.3	430.1	433.2	400.6	391.3	333.8	298.1	276.4	271.7
80°	223.6	232.9	243.8	251.5	242.2	228.2	208.0	177.0	166.1	150.6	147.5
82.5°	135.1	144.4	149.0	155.3	152.2	133.5	118.0	97.8	88.5	80.7	79.2
85°	68.3	74.5	79.2	82.3	73.0	60.6	54.3	43.5	37.3	32.6	32.6
87.5°	17.1	18.6	21.7	18.6	17.1	7.8	6.2	1.6	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)