

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: P641818

Luminaire Tested: GWS-SA6B-760-U-AFL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641818  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-760-U-AFL-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

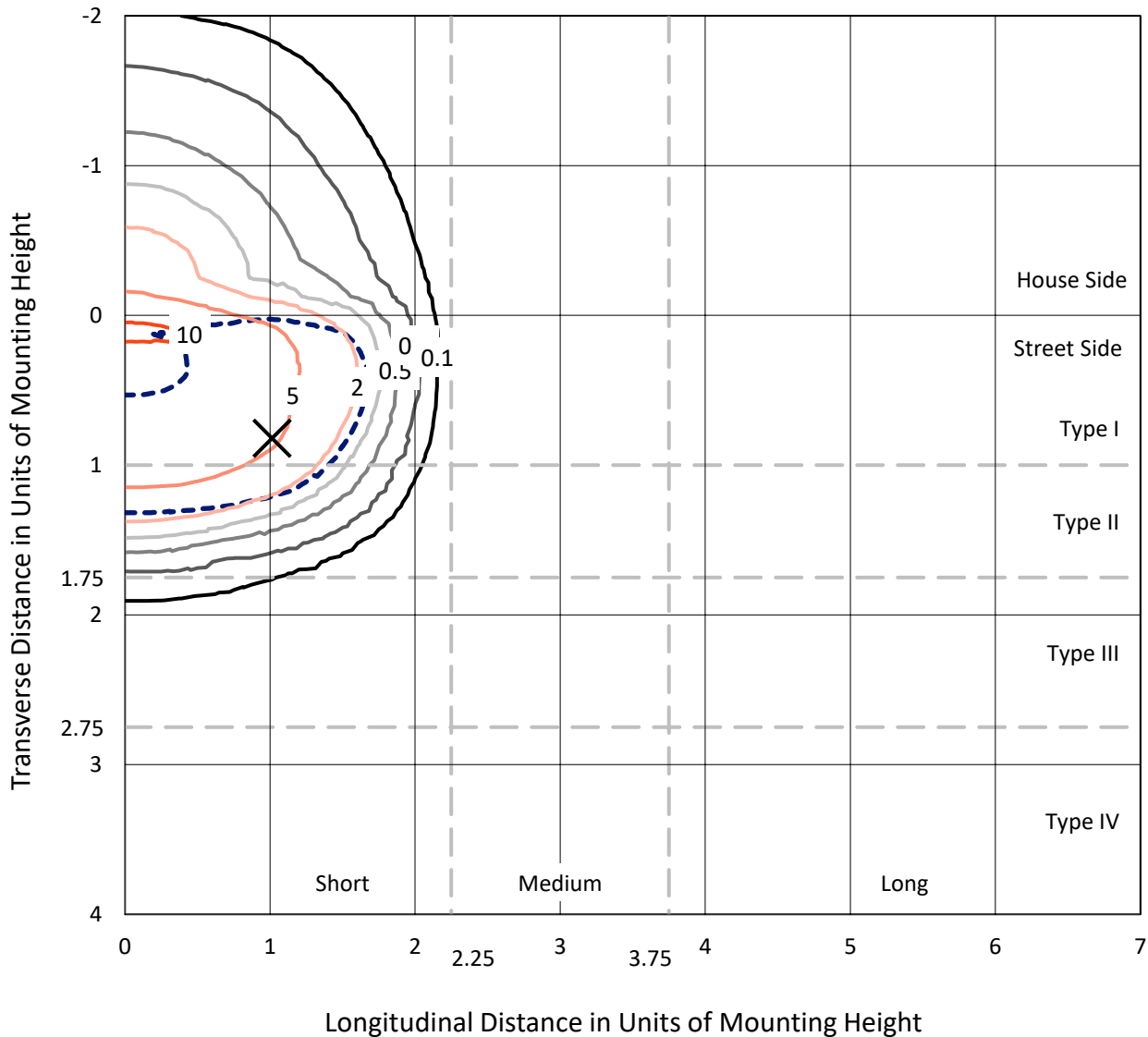
Lumens per Lamp: N/A  
Luminaire Lumens: 19378.6 lumens  
Efficiency: N/A  
Efficacy: 139.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

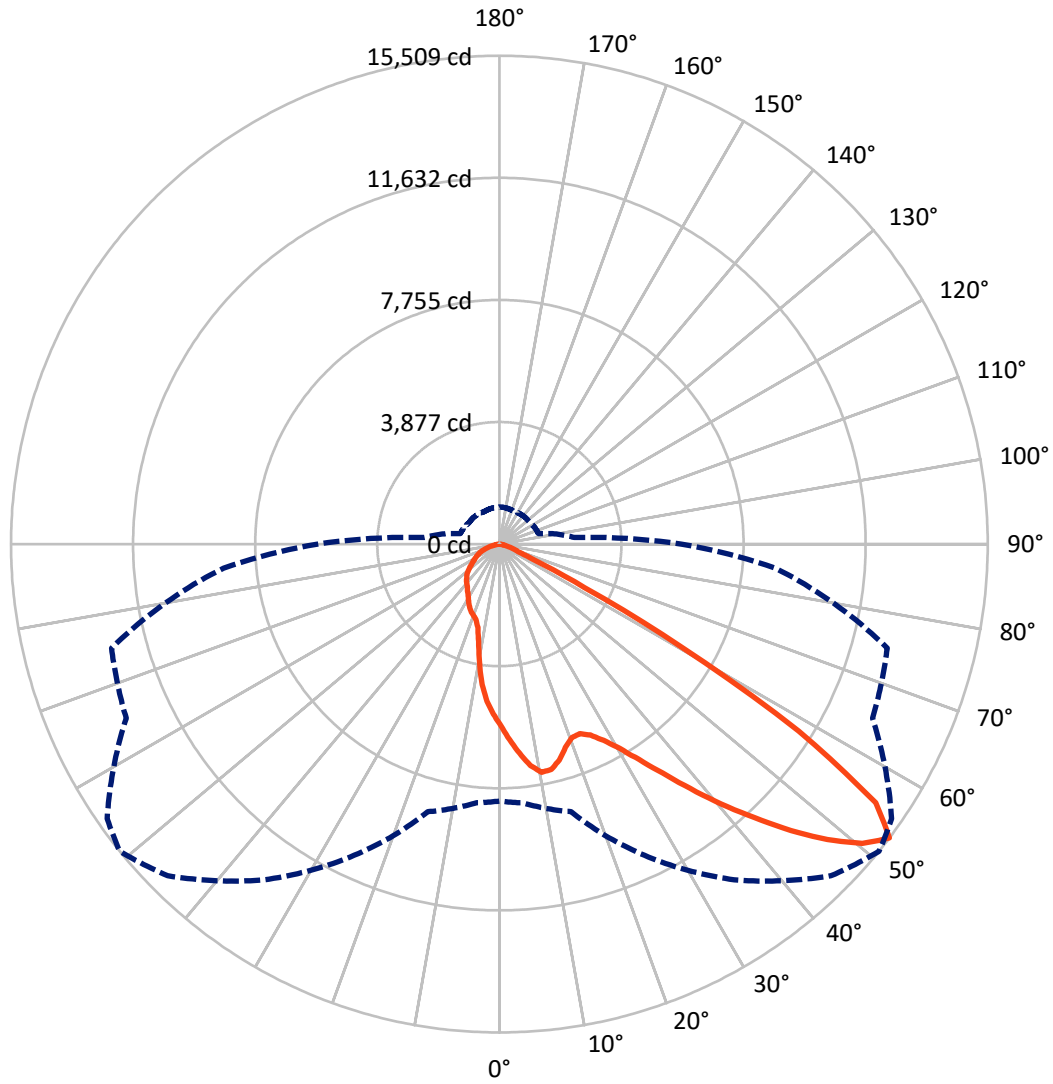
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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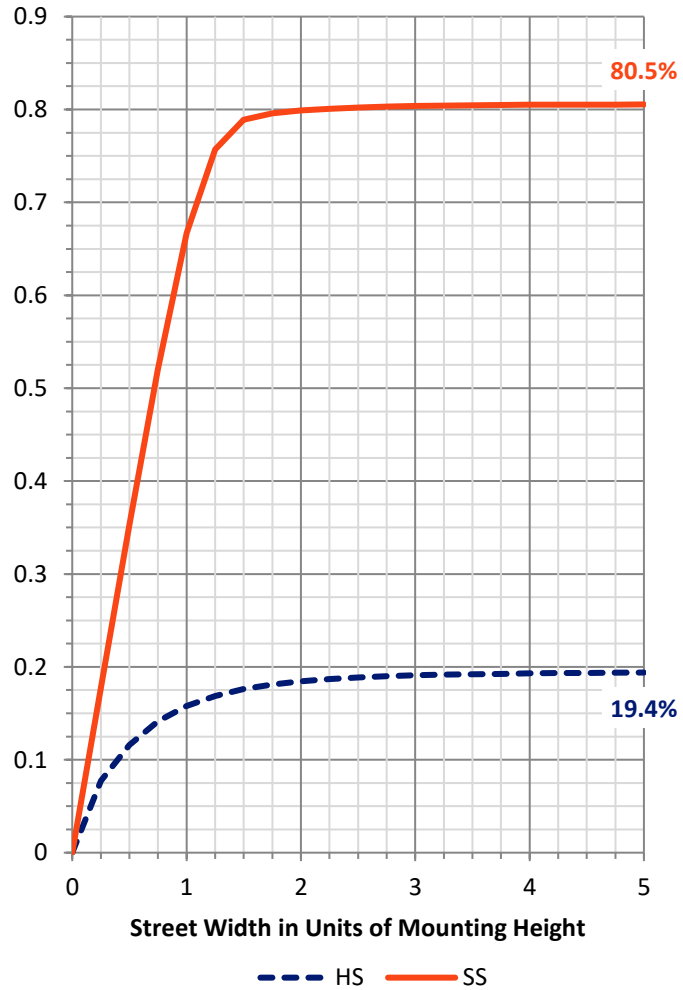
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3775.8	0.0	3775.8
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	15602.8	0.0	15602.8
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	19378.6	0.0	19378.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	538.4	2.8
10°-20°	1399.0	7.2
20°-30°	2274.7	11.7
30°-40°	3604.9	18.6
40°-50°	5437.0	28.1
50°-60°	4703.4	24.3
60°-70°	1066.3	5.5
70°-80°	314.4	1.6
80°-90°	40.5	0.2
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°	19378.6	100.0
0°-180°	19378.6	100.0

**Coefficient of Utilization**



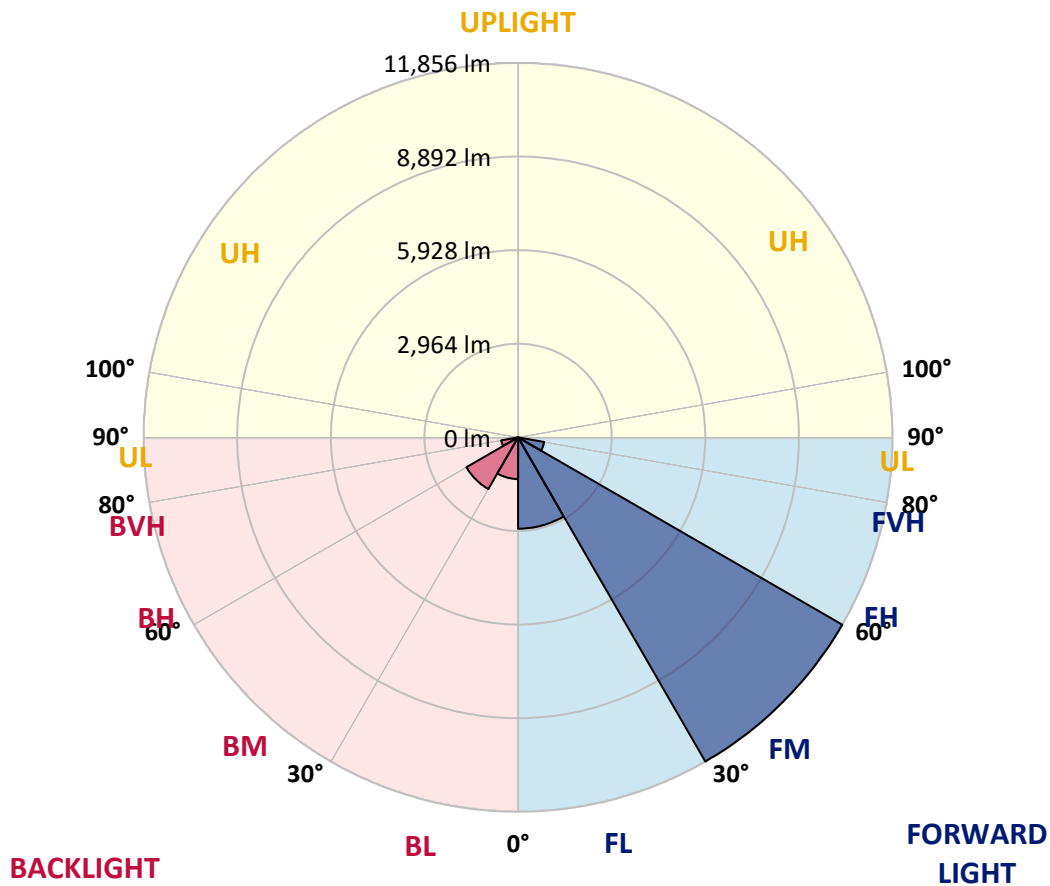
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2892.3	14.9			
FM (30°-60°)	11856.1	61.2			
FH (60°-80°)	839.2	4.3			G1/1800
FVH (80°-90°)	15.3	0.1			G1/100
BL (0°-30°)	1319.8	6.8	B3/2500		
BM (30°-60°)	1889.1	9.7	B2/2500		
BH (60°-80°)	541.6	2.8	B2/1000		G2/1000
BVH (80°-90°)	25.2	0.1			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°	51°	55°	65°	75°	85°
0°	5770.0	5770.0	5770.0	5770.0	5770.0	5770.0	5770.0	5770.0	5770.0	5770.0	5770.0
2.5°	6430.0	6466.7	6410.1	6388.6	6353.4	6292.2	6221.7	6201.8	6050.2	5950.7	5838.9
5°	7076.2	7096.1	7050.2	7004.2	6916.9	6808.2	6671.9	6642.8	6367.2	6139.0	5901.7
7.5°	7220.1	7212.5	7252.3	7278.3	7267.6	7224.7	7103.7	7047.1	6717.9	6356.5	6005.8
10°	6650.5	6607.6	6754.6	6929.2	7139.0	7380.9	7367.1	7362.5	7076.2	6648.9	6139.0
12.5°	5895.5	5874.1	5993.5	6212.5	6609.1	7145.1	7345.7	7501.9	7399.3	6927.6	6287.6
15°	5463.7	5456.1	5537.2	5694.9	6010.4	6687.2	7116.0	7425.3	7676.5	7226.3	6445.3
17.5°	5385.6	5390.2	5417.8	5508.1	5734.8	6292.2	6788.3	7220.1	7892.4	7554.0	6642.8
20°	5613.8	5644.4	5596.9	5610.7	5733.2	6149.7	6564.7	7013.4	8030.2	7883.2	6855.7
22.5°	6120.6	6109.9	6005.8	5944.5	5946.1	6237.0	6540.2	6916.9	8120.5	8203.2	7048.6
25°	6694.9	6682.6	6558.6	6422.3	6336.6	6474.4	6716.3	7019.5	8201.7	8495.7	7203.3
27.5°	7373.3	7335.0	7197.2	7022.6	6832.7	6892.4	7056.3	7296.7	8327.3	8783.6	7305.9
30°	8030.2	8074.6	7877.1	7670.3	7469.7	7433.0	7527.9	7745.4	8583.0	9120.5	7428.4
32.5°	8901.5	8886.2	8667.2	8397.7	8111.3	8083.8	8158.8	8357.9	9042.4	9586.0	7615.2
35°	9956.6	9959.6	9648.8	9284.3	8877.0	8803.5	8929.1	9122.0	9726.9	10216.9	7910.7
37.5°	11053.0	11048.4	10777.4	10363.9	9808.0	9703.9	9847.9	9991.8	10582.9	11076.0	8370.1
40°	11821.7	11852.3	11725.2	11507.8	10981.0	10726.8	10853.9	10953.5	11513.9	12086.6	8975.0
42.5°	12258.1	12304.1	12331.6	12461.8	12184.6	11913.6	11867.7	11919.7	12345.4	13025.3	9543.1
45°	12351.5	12412.8	12613.4	13095.8	13203.0	13126.4	12976.3	12850.8	12965.6	13691.4	9915.2
47.5°	11939.6	12046.8	12475.6	13319.3	13945.6	14186.1	14019.1	13827.7	13323.9	13862.9	9876.9
50°	10307.2	10432.8	11399.1	12863.0	14051.3	14927.2	14942.5	14659.2	13281.1	13368.3	9396.1
52.5°	8160.4	8246.1	8798.9	10904.5	13014.6	14896.6	15509.1	15205.9	13074.3	12749.7	8794.3
55°	4877.2	5015.0	5531.1	7194.1	10138.8	13203.0	14507.6	14654.6	12973.3	12230.6	8383.9
57.5°	1646.2	1713.5	2206.6	3177.5	5975.2	9667.2	11209.2	11806.4	11777.3	11437.4	7583.0
60°	784.0	799.3	898.9	1205.1	2391.9	5051.8	6635.2	7324.3	7952.1	8014.9	4718.0
62.5°	597.2	606.4	656.9	722.8	961.7	2128.5	3041.2	3568.0	3811.4	3270.9	1718.1
65°	499.2	506.9	545.1	586.5	653.9	921.8	1166.9	1346.0	1212.8	944.8	819.3
67.5°	416.5	422.6	451.7	496.1	542.1	617.1	647.7	666.1	698.3	784.0	753.4
70°	326.2	332.3	362.9	401.2	445.6	464.0	493.1	511.5	575.8	686.0	683.0
72.5°	251.1	258.8	275.6	300.1	336.9	355.3	387.4	408.9	445.6	534.4	571.2
75°	183.8	188.4	203.7	211.3	215.9	211.3	243.5	268.0	317.0	350.7	359.9
77.5°	75.0	84.2	81.2	81.2	96.5	116.4	133.2	148.5	182.2	202.1	203.7
80°	30.6	33.7	39.8	44.4	53.6	68.9	79.6	85.8	101.1	113.3	122.5
82.5°	18.4	19.9	23.0	24.5	30.6	39.8	45.9	50.5	62.8	75.0	79.6
85°	9.2	9.2	10.7	12.3	15.3	18.4	21.4	24.5	32.2	39.8	44.4
87.5°	1.5	1.5	1.5	3.1	4.6	6.1	7.7	9.2	10.7	12.3	15.3
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°	5770.0	5770.0	5770.0	5770.0	5770.0	5770.0	5770.0	5770.0	5770.0	5770.0	5770.0
2.5°	5773.0	5690.3	5593.9	5517.3	5428.5	5362.6	5269.2	5211.0	5155.9	5110.0	5076.3
5°	5779.2	5639.8	5439.2	5261.6	5077.8	4903.3	4724.1	4578.6	4448.5	4339.7	4330.5
7.5°	5814.4	5613.8	5299.9	4989.0	4630.7	4284.6	3938.5	3656.8	3442.4	3330.6	3307.6
10°	5874.1	5610.7	5157.5	4661.3	4050.3	3492.9	3082.5	2868.1	2744.1	2699.7	2684.4
12.5°	5936.9	5603.1	4975.2	4198.9	3350.5	2862.0	2636.9	2610.9	2633.9	2636.9	2635.4
15°	6013.5	5598.5	4745.5	3656.8	2839.0	2569.5	2584.9	2640.0	2693.6	2705.8	2705.8
17.5°	6106.9	5587.8	4433.1	3126.9	2519.0	2512.9	2594.0	2667.5	2718.1	2727.3	2727.3
20°	6204.9	5560.2	4048.8	2695.1	2388.8	2477.7	2564.9	2621.6	2656.8	2669.1	2670.6
22.5°	6272.2	5486.7	3606.2	2375.1	2307.7	2410.3	2473.1	2531.3	2531.3	2500.6	2491.4
25°	6286.0	5329.0	3126.9	2156.1	2211.2	2306.2	2370.5	2336.8	2274.0	2249.5	2248.0
27.5°	6235.5	5099.3	2653.8	1999.9	2094.8	2189.8	2179.1	2130.1	2102.5	2078.0	2087.2
30°	6174.2	4823.6	2243.4	1871.3	1960.1	2053.5	2016.7	1999.9	1980.0	1952.4	1958.5
32.5°	6132.9	4515.8	1927.9	1771.7	1869.7	1885.0	1911.1	1909.5	1891.2	1839.1	1836.0
35°	6145.1	4205.0	1716.6	1690.6	1794.7	1788.6	1837.6	1828.4	1701.3	1629.3	1624.7
37.5°	6243.2	3906.4	1592.6	1626.3	1675.3	1713.5	1756.4	1646.2	1601.8	1555.8	1558.9
40°	6430.0	3629.2	1525.2	1591.0	1603.3	1659.9	1560.4	1558.9	1539.0	1497.6	1496.1
42.5°	6641.3	3394.9	1479.2	1574.2	1557.3	1568.1	1462.4	1474.7	1473.1	1447.1	1439.4
45°	6769.9	3179.0	1442.5	1511.4	1516.0	1408.8	1376.6	1390.4	1398.1	1384.3	1382.8
47.5°	6636.7	2930.9	1404.2	1414.9	1454.7	1336.8	1297.0	1298.6	1312.3	1313.9	1307.7
50°	6263.1	2653.8	1358.3	1332.2	1306.2	1261.8	1225.0	1217.4	1231.2	1245.0	1249.5
52.5°	5780.7	2388.8	1281.7	1241.9	1180.6	1180.6	1163.8	1139.3	1157.7	1176.0	1182.2
55°	5427.0	2192.8	1173.0	1128.6	1061.2	1084.2	1081.1	1059.7	1084.2	1097.9	1102.5
57.5°	4702.7	1762.5	1032.1	1018.3	961.7	989.2	995.4	967.8	955.5	958.6	963.2
60°	2791.6	1137.8	931.0	929.5	879.0	911.1	929.5	901.9	865.2	869.8	875.9
62.5°	1252.6	869.8	803.9	797.8	796.3	837.6	857.5	831.5	779.4	784.0	790.2
65°	788.6	751.9	698.3	698.3	722.8	758.0	773.3	751.9	692.2	684.5	690.6
67.5°	732.0	699.8	644.7	634.0	646.2	675.3	676.8	635.5	600.3	594.1	594.1
70°	656.9	632.4	578.8	557.4	552.8	551.3	546.7	536.0	513.0	506.9	509.9
72.5°	543.6	526.8	493.1	470.1	457.9	456.3	438.0	428.8	408.9	405.8	404.3
75°	359.9	364.5	364.5	361.4	350.7	346.1	326.2	317.0	294.0	284.8	283.3
77.5°	212.9	217.4	223.6	225.1	223.6	223.6	205.2	194.5	171.5	159.3	156.2
80°	130.2	133.2	136.3	140.9	134.8	130.2	113.3	102.6	91.9	84.2	82.7
82.5°	84.2	87.3	88.8	91.9	88.8	82.7	68.9	62.8	55.1	49.0	47.5
85°	47.5	49.0	52.1	52.1	47.5	42.9	35.2	30.6	26.0	23.0	23.0
87.5°	16.8	16.8	16.8	18.4	15.3	13.8	9.2	6.1	4.6	4.6	4.6
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)