

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: P641736

Luminaire Tested: GWS-SA6B-740-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641736
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-740-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21006.3 lumens
Efficiency: N/A
Efficacy: 151.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

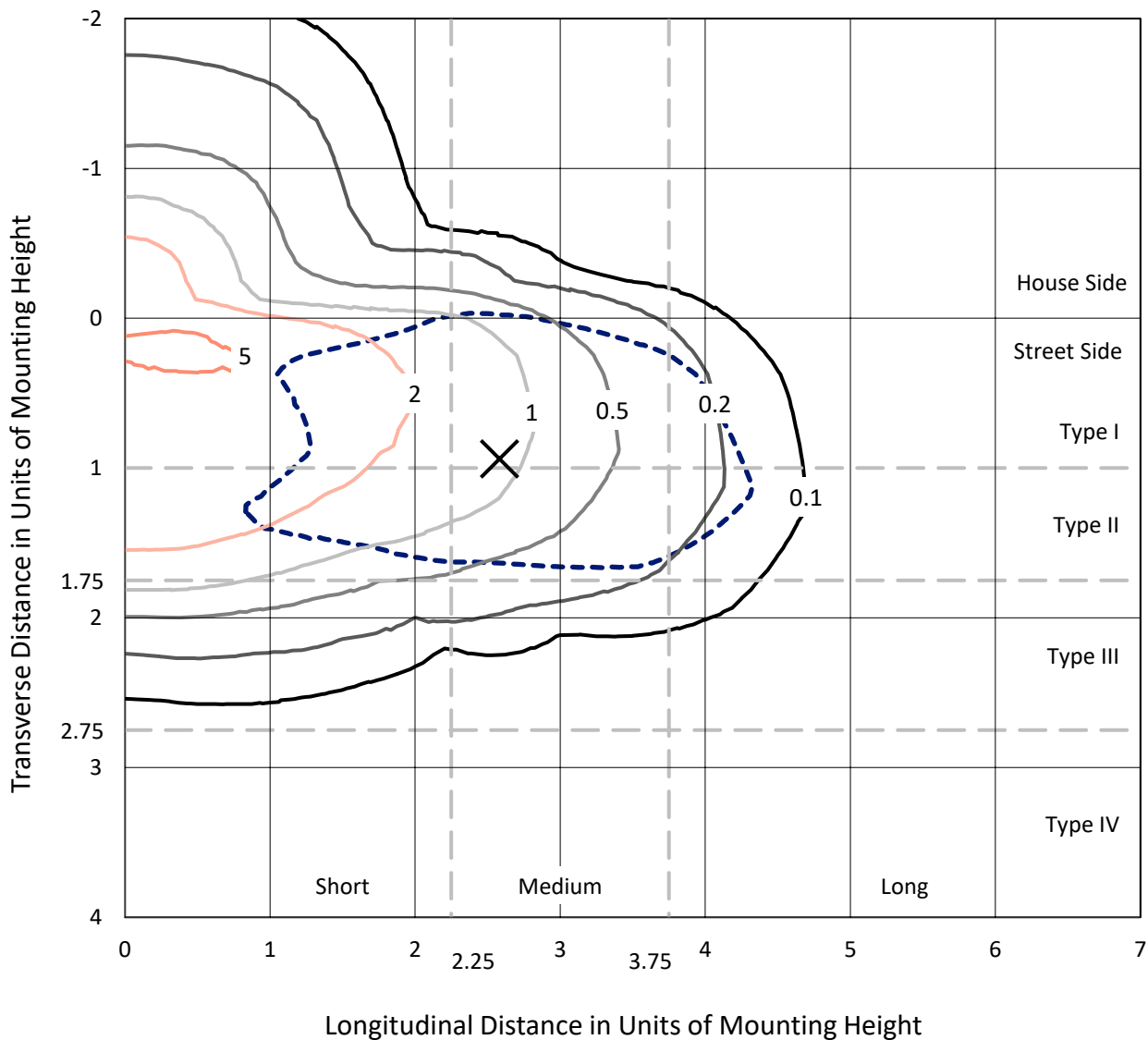
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

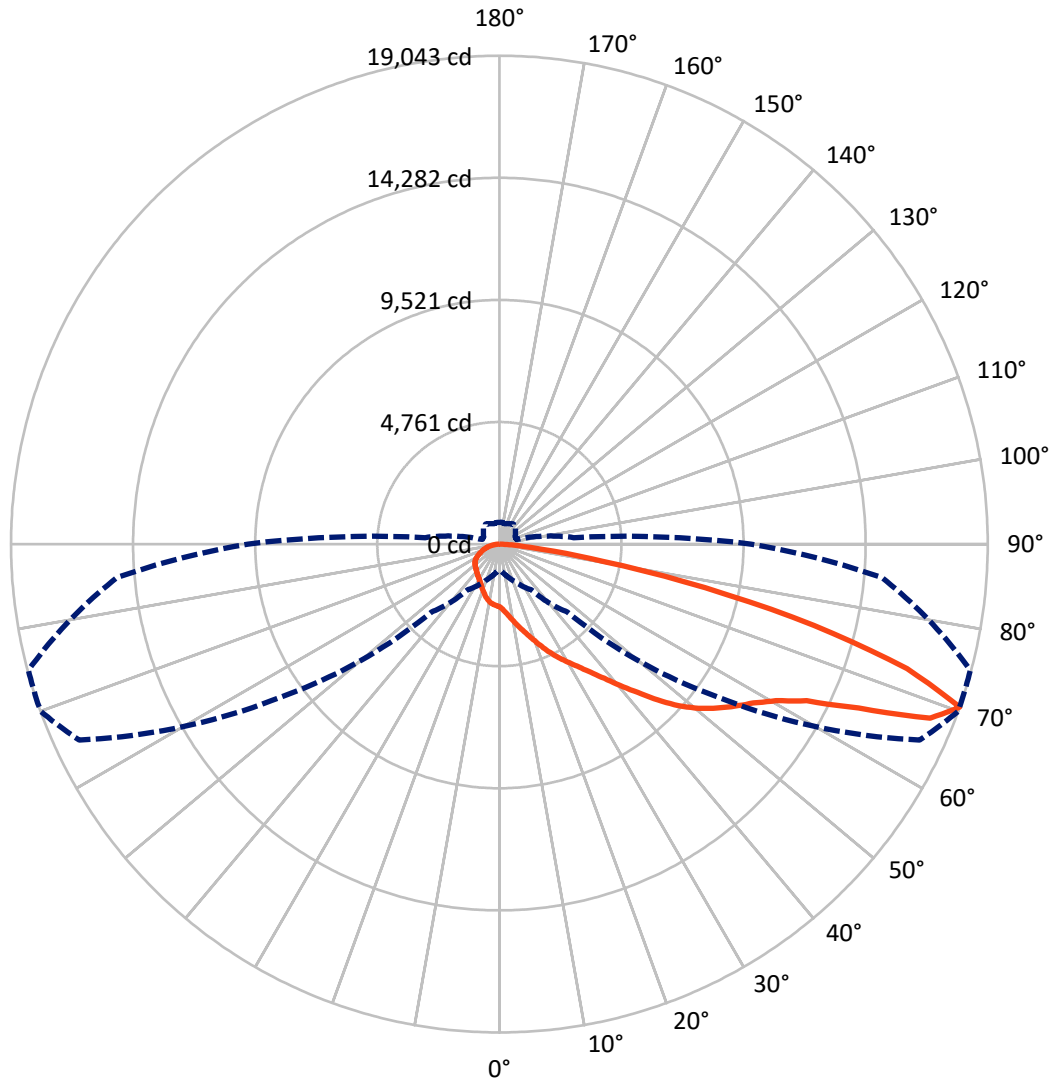
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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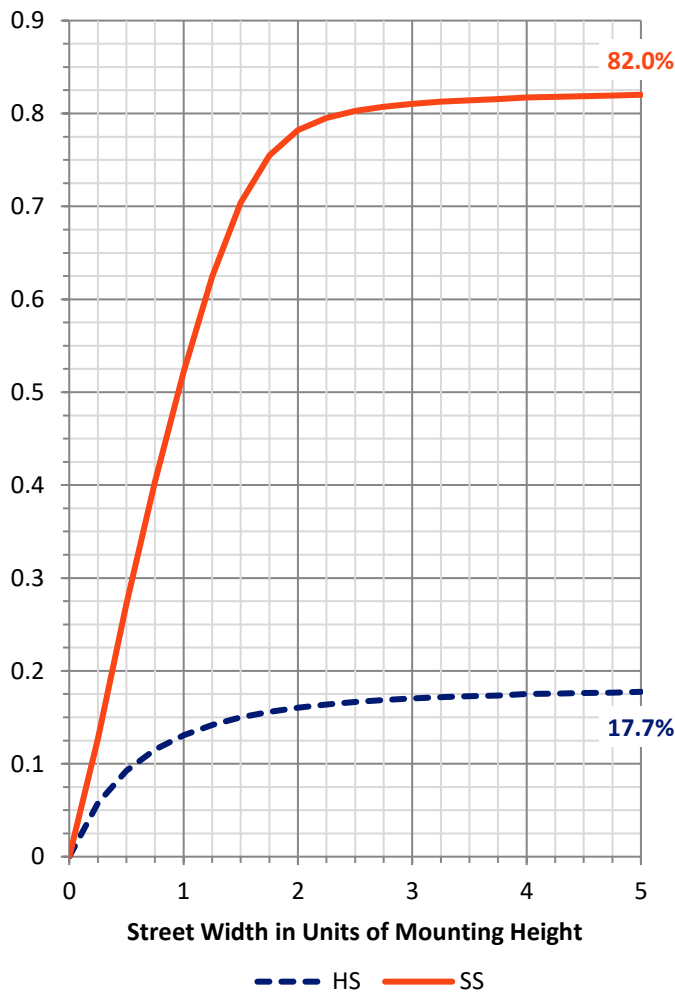
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3764.4	0.0	3764.4
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	17241.9	0.0	17241.9
	% Fixture	82.1	0.0	82.1
Total	Lumens	21006.3	0.0	21006.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.0	1.2
10°-20°	810.0	3.9
20°-30°	1434.9	6.8
30°-40°	2159.5	10.3
40°-50°	3267.1	15.6
50°-60°	4680.3	22.3
60°-70°	5173.6	24.6
70°-80°	2919.6	13.9
80°-90°	312.3	1.5
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°	21006.3	100.0
0°-180°	21006.3	100.0

Coefficient of Utilization



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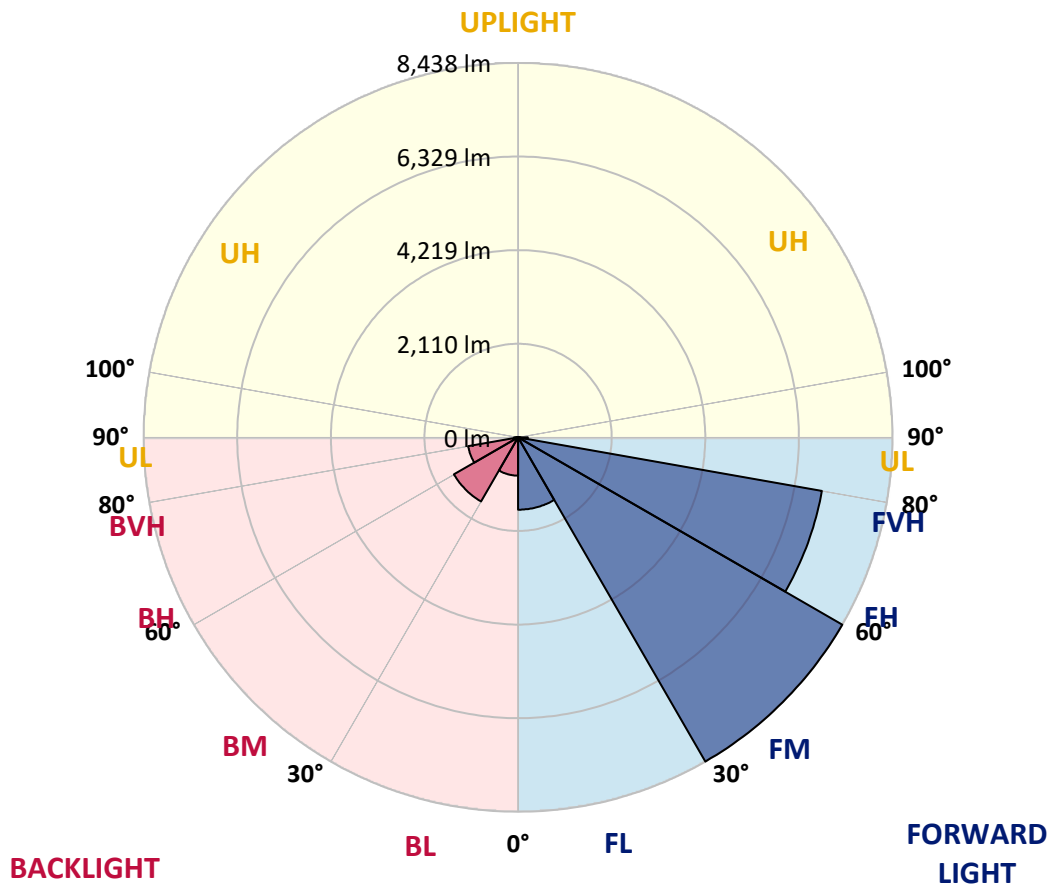
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1630.7	7.8			
FM (30°-60°)	8438.2	40.2			
FH (60°-80°)	6952.2	33.1			G3/7500
FVH (80°-90°)	220.8	1.1			G2/225
BL (0°-30°)	863.1	4.1	B2/1000		
BM (30°-60°)	1668.8	7.9	B2/2500		
BH (60°-80°)	1141.0	5.4	B3/2500		G3/2500
BVH (80°-90°)	91.5	0.4			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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2449.8	2449.8	2449.8	2449.8	2449.8	2449.8	2449.8	2449.8	2449.8	2449.8	2449.8
2.5°	2713.9	2709.3	2712.4	2709.3	2692.6	2651.6	2618.2	2575.7	2546.9	2530.2	2490.8
5°	3032.6	3028.1	3017.4	3002.3	2971.9	2915.7	2832.3	2739.7	2683.5	2641.0	2557.5
7.5°	3261.8	3261.8	3260.3	3242.1	3220.8	3161.6	3063.0	2941.5	2859.6	2786.7	2650.1
10°	3378.7	3386.3	3396.9	3422.7	3418.1	3386.3	3293.7	3163.1	3059.9	2974.9	2771.5
12.5°	3442.4	3447.0	3465.2	3518.3	3573.0	3580.5	3525.9	3389.3	3277.0	3163.1	2906.6
15°	3524.4	3525.9	3550.2	3613.9	3694.4	3774.8	3761.2	3624.6	3509.2	3383.2	3056.9
17.5°	3588.1	3598.8	3642.8	3717.2	3817.3	3928.1	3994.9	3909.9	3767.2	3623.0	3220.8
20°	3610.9	3618.5	3676.2	3790.0	3926.6	4082.9	4231.7	4208.9	4064.7	3894.7	3406.0
22.5°	3692.9	3692.9	3735.4	3831.0	3991.9	4219.6	4460.9	4520.1	4392.6	4193.8	3604.8
25°	3873.5	3867.4	3887.1	3926.6	4048.0	4328.8	4687.0	4864.6	4722.0	4498.8	3803.7
27.5°	4120.9	4117.9	4116.3	4122.4	4163.4	4424.5	4878.3	5186.4	5043.7	4791.8	3981.3
30°	4389.5	4380.4	4400.2	4382.0	4372.9	4538.3	5040.7	5474.8	5364.0	5081.7	4128.5
32.5°	4755.3	4738.6	4734.1	4674.9	4638.5	4715.9	5171.2	5802.6	5714.6	5394.4	4293.9
35°	5238.0	5222.8	5145.4	5051.3	4943.6	4980.0	5333.6	6122.9	6129.0	5785.9	4511.0
37.5°	5725.2	5728.3	5667.6	5446.0	5335.2	5313.9	5581.0	6513.0	6643.5	6253.4	4791.8
40°	6130.5	6148.7	6148.7	5915.0	5749.5	5729.8	5928.6	6975.9	7235.5	6827.2	5146.9
42.5°	6438.6	6455.3	6508.4	6340.0	6165.4	6233.7	6350.6	7440.4	7906.4	7536.0	5596.2
45°	6777.1	6790.7	6819.6	6722.4	6620.8	6802.9	6828.7	7995.9	8674.4	8331.3	6118.4
47.5°	7226.4	7214.2	7217.3	7145.9	7067.0	7361.5	7355.4	8463.4	9416.6	9202.6	6684.5
50°	7784.9	7807.7	7786.4	7645.3	7552.7	7821.4	7856.3	8981.0	10069.3	10064.7	7255.2
52.5°	8322.2	8331.3	8443.7	8449.7	8260.0	8203.8	8294.9	9503.1	10620.2	10854.0	7803.1
55°	8349.6	8384.5	8721.4	8964.3	9270.9	8820.1	8738.1	10000.9	11153.0	11626.5	8372.3
57.5°	7768.2	7824.4	8396.6	8920.3	9773.3	9878.0	9497.0	10644.5	11685.7	12387.0	9031.1
60°	6526.6	6643.5	7420.6	8222.1	9547.1	10638.4	11049.8	11518.8	12385.5	13164.1	9831.0
62.5°	4167.9	4213.5	5303.3	6645.0	8528.7	10564.1	12740.6	13059.4	13451.0	14176.5	11063.4
65°	2087.0	2232.7	2871.7	3966.1	6150.2	9308.8	13595.2	15881.0	15401.4	15909.8	13060.9
67.5°	1416.1	1463.2	1786.5	2383.0	3606.4	6594.9	13065.4	18257.9	18116.8	18200.2	15190.4
70°	1044.3	1074.6	1329.6	1687.8	2181.1	3744.5	10401.7	18078.8	19042.6	19012.3	14967.3
72.5°	761.9	777.1	969.9	1288.6	1616.5	1936.7	6352.1	14604.5	16623.2	17499.0	13089.7
75°	554.0	572.2	673.9	963.8	1256.8	1208.2	3135.8	10548.9	12676.9	14361.7	10664.2
77.5°	412.8	435.6	482.7	604.1	880.3	865.2	1355.4	6849.9	8199.3	9380.2	6478.1
80°	297.5	302.0	329.4	387.0	558.6	507.0	645.1	3571.4	4095.1	4486.7	2539.3
82.5°	180.6	185.2	220.1	238.3	346.1	318.7	335.4	1156.6	1657.5	1759.2	948.6
85°	53.1	56.2	100.2	109.3	144.2	136.6	135.1	470.5	561.6	717.9	373.4
87.5°	0.0	0.0	0.0	0.0	1.5	9.1	16.7	83.5	126.0	174.5	91.1
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°	2449.8	2449.8	2449.8	2449.8	2449.8	2449.8	2449.8	2449.8	2449.8	2449.8	2449.8
2.5°	2475.6	2440.7	2422.4	2390.6	2367.8	2345.0	2322.3	2301.0	2291.9	2278.3	2281.3
5°	2519.6	2464.9	2410.3	2348.1	2295.0	2250.9	2211.5	2176.6	2161.4	2147.7	2153.8
7.5°	2586.4	2504.4	2399.7	2285.8	2202.4	2141.7	2100.7	2076.4	2068.8	2058.2	2058.2
10°	2671.4	2548.4	2364.8	2202.4	2102.2	2053.6	2035.4	2033.9	2041.5	2043.0	2040.0
12.5°	2765.5	2590.9	2313.2	2103.7	2018.7	2003.5	2017.2	2043.0	2068.8	2082.5	2079.4
15°	2862.6	2618.2	2225.1	2009.6	1958.0	1977.7	2021.7	2073.3	2123.4	2149.2	2147.7
17.5°	2953.7	2624.3	2111.3	1918.5	1904.9	1955.0	2030.8	2111.3	2179.6	2216.0	2217.5
20°	3055.4	2613.7	1994.4	1836.6	1851.7	1933.7	2033.9	2131.0	2211.5	2247.9	2257.0
22.5°	3148.0	2577.3	1880.6	1759.2	1806.2	1907.9	2009.6	2100.7	2172.0	2206.9	2219.1
25°	3231.4	2507.4	1756.1	1693.9	1771.3	1871.5	1948.9	2012.6	2062.7	2084.0	2100.7
27.5°	3277.0	2402.7	1662.0	1642.3	1737.9	1819.9	1862.4	1882.1	1898.8	1892.7	1904.9
30°	3286.1	2272.2	1580.1	1601.3	1687.8	1748.5	1757.6	1737.9	1709.1	1662.0	1672.6
32.5°	3277.0	2121.9	1511.8	1557.3	1631.7	1668.1	1655.9	1604.3	1534.5	1461.7	1466.2
35°	3280.0	1970.1	1455.6	1508.7	1566.4	1586.1	1555.8	1484.4	1410.1	1343.3	1340.2
37.5°	3313.4	1842.6	1408.5	1461.7	1502.6	1505.7	1472.3	1397.9	1360.0	1309.9	1303.8
40°	3406.0	1748.5	1366.0	1414.6	1440.4	1438.9	1401.0	1347.8	1373.6	1356.9	1352.4
42.5°	3557.8	1690.9	1331.1	1364.5	1382.7	1385.8	1355.4	1322.0	1378.2	1356.9	1349.3
45°	3802.2	1687.8	1306.8	1314.4	1343.3	1364.5	1343.3	1305.3	1326.6	1223.4	1203.6
47.5°	4092.1	1739.4	1288.6	1270.4	1320.5	1358.5	1325.1	1264.3	1220.3	1126.2	1112.6
50°	4441.2	1844.2	1271.9	1223.4	1287.1	1335.7	1302.3	1218.8	1152.0	1101.9	1094.4
52.5°	4855.5	1982.3	1250.7	1170.2	1237.0	1323.5	1302.3	1214.3	1126.2	1080.7	1073.1
55°	5289.6	2141.7	1226.4	1106.5	1180.9	1326.6	1312.9	1182.4	1106.5	1082.2	1076.1
57.5°	5828.4	2332.9	1182.4	1032.1	1130.8	1299.3	1270.4	1164.2	1092.8	1073.1	1067.0
60°	6528.2	2616.7	1098.9	956.2	1073.1	1250.7	1232.5	1133.8	1056.4	1039.7	1035.2
62.5°	7636.2	3097.9	997.2	883.4	1004.8	1149.0	1176.3	1076.1	1010.9	1009.4	1007.8
65°	9442.4	3676.2	877.3	818.1	933.5	1065.5	1101.9	1016.9	963.8	980.5	979.0
67.5°	10708.3	3726.3	778.6	749.8	850.0	974.4	1027.6	956.2	898.6	930.4	928.9
70°	9808.2	2906.6	693.6	678.5	760.4	875.8	947.1	880.3	822.7	853.0	846.9
72.5°	8272.1	2228.2	613.2	604.1	669.4	772.6	843.9	804.4	743.7	743.7	730.1
75°	6648.1	1838.1	528.2	523.6	567.7	667.8	748.3	681.5	625.3	622.3	613.2
77.5°	3812.8	1205.2	443.2	440.2	453.8	558.6	581.3	567.7	525.2	505.4	499.4
80°	1519.3	626.9	349.1	329.4	343.0	409.8	458.4	435.6	399.2	374.9	361.2
82.5°	588.9	314.2	245.9	215.5	235.3	296.0	332.4	324.8	300.5	245.9	230.7
85°	239.8	153.3	147.2	124.5	136.6	159.4	191.2	165.4	136.6	97.1	92.6
87.5°	63.7	56.2	54.6	33.4	25.8	7.6	1.5	0.0	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)