

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: P641791

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641791
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-750-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21487.7 lumens
Efficiency: N/A
Efficacy: 154.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

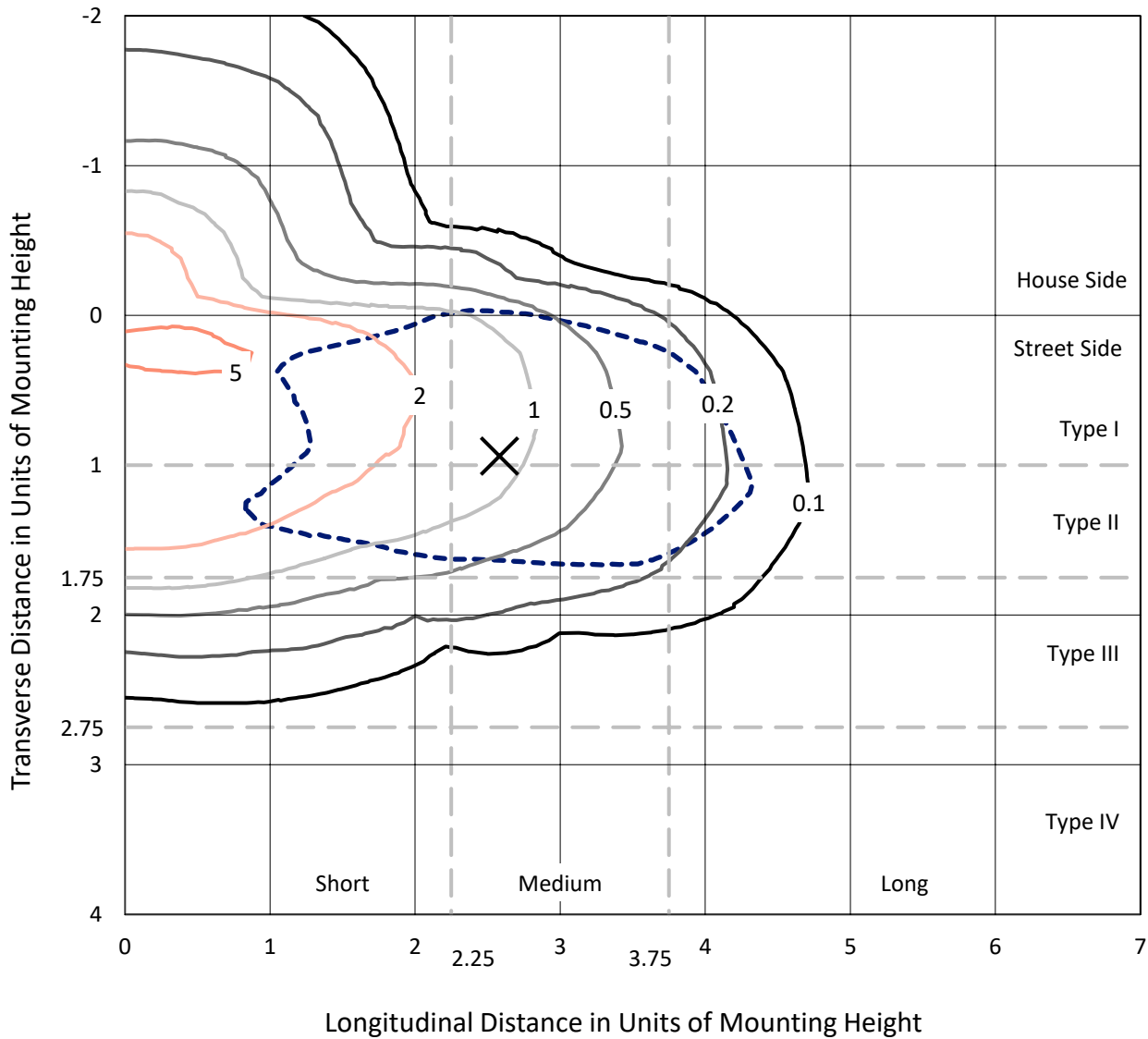
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641791
 CATALOG NUMBER: GWS-SA6B-750-U-T2-W

Iso-Footcandle Lines of Horizontal Illumination

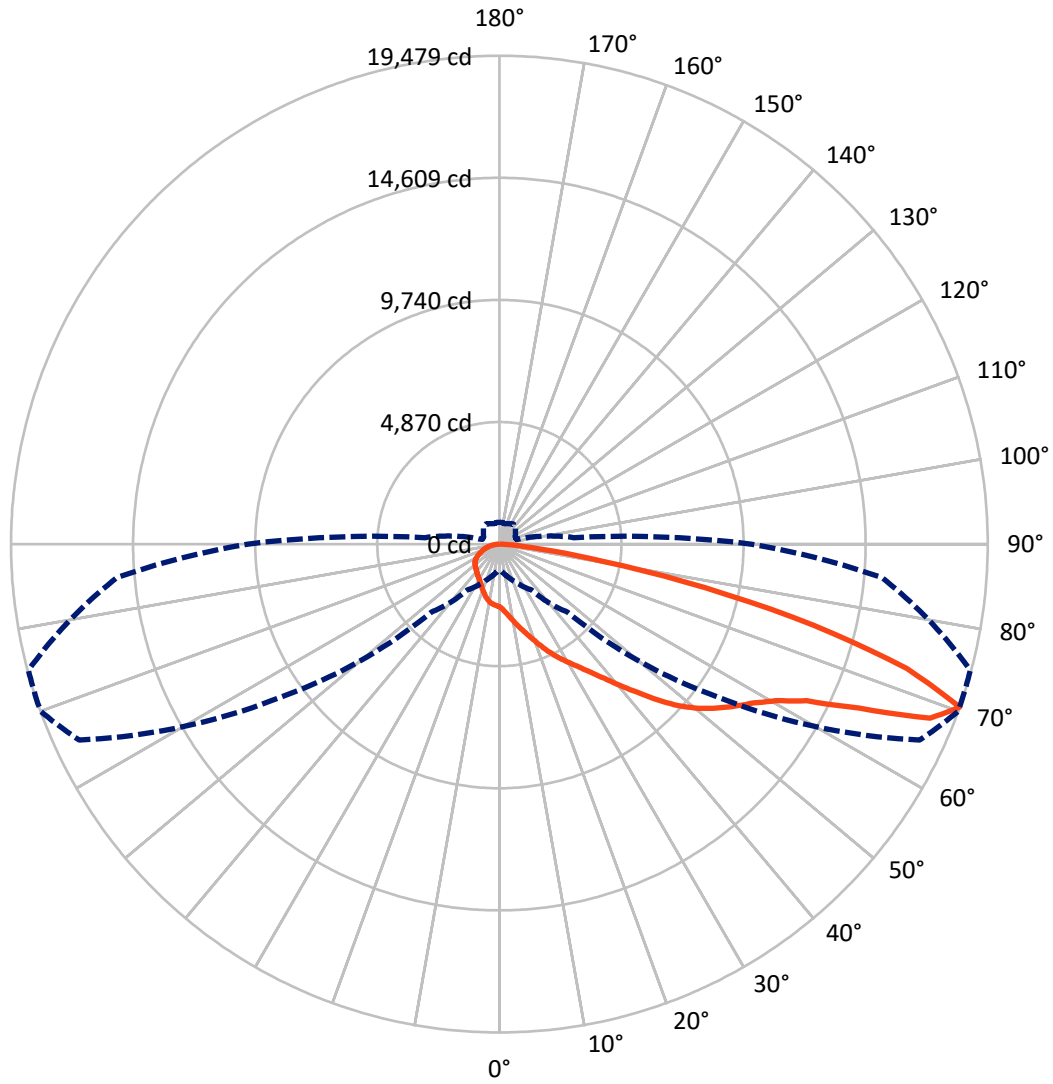
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P641791
CATALOG NUMBER: GWS-SA6B-750-U-T2-W

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GWS-SA6B-750-U-T2-W

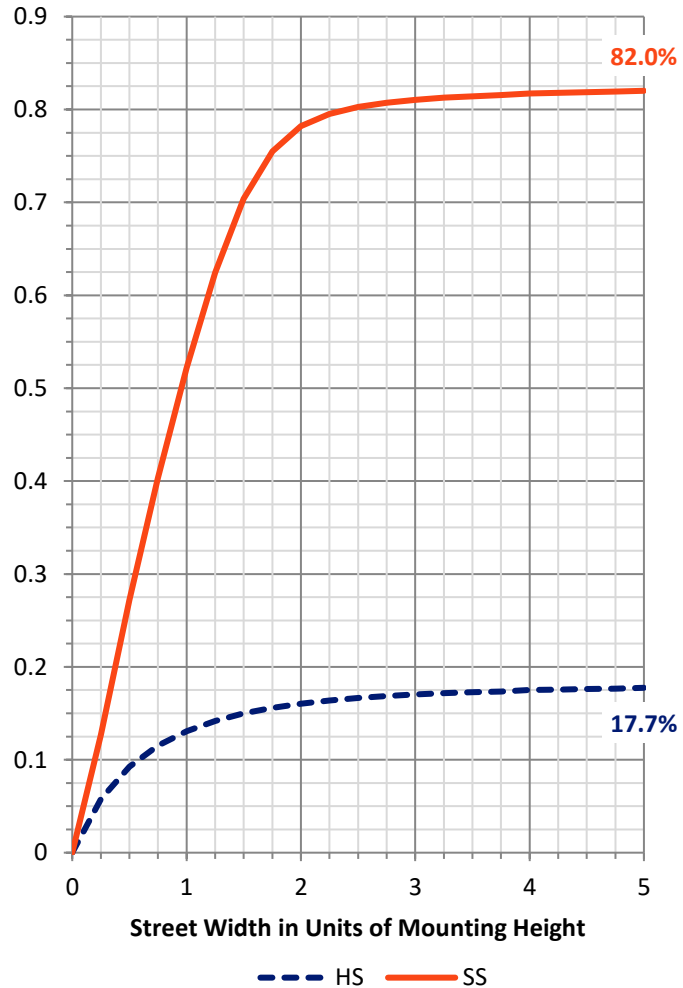
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3850.6	0.0	3850.6
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	17637.1	0.0	17637.1
	% Fixture	82.1	0.0	82.1
Total	Lumens	21487.7	0.0	21487.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.7	1.2
10°-20°	828.5	3.9
20°-30°	1467.8	6.8
30°-40°	2209.0	10.3
40°-50°	3342.0	15.6
50°-60°	4787.6	22.3
60°-70°	5292.1	24.6
70°-80°	2986.5	13.9
80°-90°	319.5	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°	21487.7	100.0
0°-180°	21487.7	100.0

Coefficient of Utilization



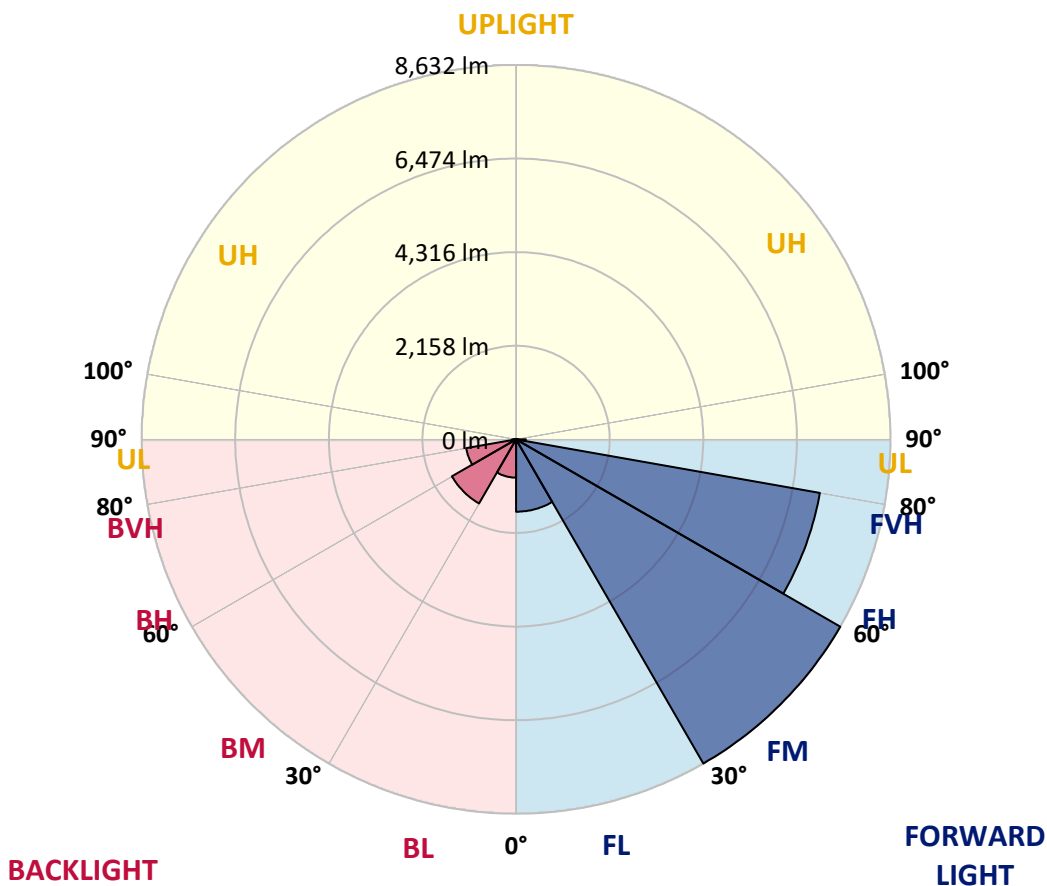
REPORT NUMBER: P641791

CATALOG NUMBER: GWS-SA6B-750-U-T2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1668.1	7.8			
FM (30°-60°)	8631.6	40.2			
FH (60°-80°)	7111.5	33.1			G3/7500
FVH (80°-90°)	225.8	1.1			G3/500
BL (0°-30°)	882.9	4.1	B2/1000		
BM (30°-60°)	1707.0	7.9	B2/2500		
BH (60°-80°)	1167.1	5.4	B3/2500		G3/2500
BVH (80°-90°)	93.6	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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 CATALOG NUMBER: GWS-SA6B-750-U-T2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9
2.5°	2776.1	2771.4	2774.5	2771.4	2754.3	2712.4	2678.3	2634.8	2605.3	2588.2	2547.8
5°	3102.1	3097.5	3086.6	3071.1	3040.0	2982.6	2897.2	2802.5	2745.0	2701.5	2616.1
7.5°	3336.6	3336.6	3335.0	3316.4	3294.6	3234.1	3133.2	3009.0	2925.1	2850.6	2710.9
10°	3456.1	3463.9	3474.7	3501.1	3496.5	3463.9	3369.2	3235.6	3130.1	3043.1	2835.1
12.5°	3521.3	3526.0	3544.6	3598.9	3654.8	3662.6	3606.7	3467.0	3352.1	3235.6	2973.2
15°	3605.2	3606.7	3631.6	3696.8	3779.1	3861.3	3847.4	3707.6	3589.6	3460.8	3127.0
17.5°	3670.4	3681.2	3726.3	3802.3	3904.8	4018.2	4086.5	3999.5	3853.6	3706.1	3294.6
20°	3693.7	3701.4	3760.4	3876.9	4016.6	4176.5	4328.7	4305.4	4157.9	3984.0	3484.1
22.5°	3777.5	3777.5	3821.0	3918.8	4083.4	4316.3	4563.1	4623.7	4493.3	4289.9	3687.4
25°	3962.3	3956.0	3976.2	4016.6	4140.8	4428.0	4794.5	4976.1	4830.2	4601.9	3890.8
27.5°	4215.3	4212.2	4210.7	4216.9	4258.8	4525.9	4990.1	5305.3	5159.3	4901.6	4072.5
30°	4490.1	4480.8	4501.0	4482.4	4473.1	4642.3	5156.2	5600.3	5486.9	5198.1	4223.1
32.5°	4864.3	4847.2	4842.6	4782.0	4744.8	4824.0	5289.7	5935.6	5845.6	5518.0	4392.3
35°	5358.1	5342.5	5263.3	5167.1	5056.8	5094.1	5455.9	6263.2	6269.4	5918.5	4614.4
37.5°	5856.4	5859.5	5797.4	5570.8	5457.4	5435.7	5708.9	6662.2	6795.8	6396.7	4901.6
40°	6271.0	6289.6	6289.6	6050.5	5881.3	5861.1	6064.5	7135.8	7401.3	6983.6	5264.9
42.5°	6586.2	6603.2	6657.6	6485.2	6306.7	6376.6	6496.1	7610.9	8087.5	7708.7	5724.5
45°	6932.4	6946.4	6975.9	6876.5	6772.5	6958.8	6985.2	8179.1	8873.2	8522.3	6258.6
47.5°	7392.0	7379.6	7382.7	7309.7	7228.9	7530.2	7523.9	8657.3	9632.4	9413.5	6837.7
50°	7963.3	7986.6	7964.9	7820.5	7725.8	8000.6	8036.3	9186.8	10300.0	10295.3	7421.5
52.5°	8513.0	8522.3	8637.2	8643.4	8449.3	8391.9	8485.0	9720.9	10863.6	11102.7	7982.0
55°	8540.9	8576.6	8921.3	9169.7	9483.3	9022.2	8938.4	10230.1	11408.6	11893.0	8564.2
57.5°	7946.3	8003.7	8589.0	9124.7	9997.2	10104.4	9714.7	10888.4	11953.5	12670.8	9238.0
60°	6676.2	6795.8	7590.7	8410.5	9765.9	10882.2	11303.0	11782.7	12669.3	13465.8	10056.2
62.5°	4263.5	4310.0	5424.8	6797.3	8724.1	10806.2	13032.6	13358.6	13759.2	14501.4	11317.0
65°	2134.8	2283.9	2937.5	4057.0	6291.2	9522.2	13906.7	16244.9	15754.3	16274.4	13360.2
67.5°	1448.6	1496.7	1827.4	2437.6	3689.0	6746.1	13364.9	18676.3	18531.9	18617.3	15538.5
70°	1068.2	1099.2	1360.1	1726.5	2231.1	3830.3	10640.0	18493.1	19479.0	19448.0	15310.3
72.5°	779.4	794.9	992.1	1318.2	1653.5	1981.1	6497.7	14939.2	17004.2	17900.0	13389.7
75°	566.7	585.3	689.4	985.9	1285.6	1235.9	3207.7	10790.6	12967.4	14690.8	10908.6
77.5°	422.3	445.6	493.7	617.9	900.5	885.0	1386.5	7006.9	8387.2	9595.1	6626.5
80°	304.3	309.0	336.9	395.9	571.4	518.6	659.9	3653.3	4188.9	4589.5	2597.5
82.5°	184.8	189.4	225.1	243.8	354.0	326.0	343.1	1183.1	1695.4	1799.5	970.4
85°	54.3	57.4	102.5	111.8	147.5	139.7	138.2	481.3	574.5	734.4	381.9
87.5°	0.0	0.0	0.0	0.0	1.6	9.3	17.1	85.4	128.9	178.6	93.2
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°	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9	2505.9
2.5°	2532.3	2496.6	2478.0	2445.4	2422.1	2398.8	2375.5	2353.8	2344.4	2330.5	2333.6
5°	2577.3	2521.4	2465.5	2401.9	2347.5	2302.5	2262.2	2226.4	2210.9	2196.9	2203.2
7.5°	2645.6	2561.8	2454.7	2338.2	2252.8	2190.7	2148.8	2124.0	2116.2	2105.3	2105.3
10°	2732.6	2606.8	2419.0	2252.8	2150.4	2100.7	2082.0	2080.5	2088.3	2089.8	2086.7
12.5°	2828.9	2650.3	2366.2	2151.9	2065.0	2049.4	2063.4	2089.8	2116.2	2130.2	2127.1
15°	2928.2	2678.3	2276.1	2055.7	2002.9	2023.0	2068.1	2120.9	2172.1	2198.5	2196.9
17.5°	3021.4	2684.5	2159.7	1962.5	1948.5	1999.8	2077.4	2159.7	2229.5	2266.8	2268.4
20°	3125.4	2673.6	2040.1	1878.7	1894.2	1978.0	2080.5	2179.9	2262.2	2299.4	2308.7
22.5°	3220.1	2636.3	1923.7	1799.5	1847.6	1951.6	2055.7	2148.8	2221.8	2257.5	2269.9
25°	3305.5	2564.9	1796.4	1732.7	1811.9	1914.4	1993.5	2058.8	2110.0	2131.7	2148.8
27.5°	3352.1	2457.8	1700.1	1679.9	1777.7	1861.6	1905.1	1925.2	1942.3	1936.1	1948.5
30°	3361.4	2324.3	1616.3	1638.0	1726.5	1788.6	1797.9	1777.7	1748.2	1700.1	1711.0
32.5°	3352.1	2170.5	1546.4	1593.0	1669.1	1706.3	1693.9	1641.1	1569.7	1495.2	1499.8
35°	3355.2	2015.3	1489.0	1543.3	1602.3	1622.5	1591.4	1518.5	1442.4	1374.1	1371.0
37.5°	3389.3	1884.9	1440.8	1495.2	1537.1	1540.2	1506.0	1430.0	1391.1	1339.9	1333.7
40°	3484.1	1788.6	1397.3	1447.0	1473.4	1471.9	1433.1	1378.7	1405.1	1388.0	1383.4
42.5°	3639.3	1729.6	1361.6	1395.8	1414.4	1417.5	1386.5	1352.3	1409.8	1388.0	1380.3
45°	3889.3	1726.5	1336.8	1344.6	1374.1	1395.8	1374.1	1335.2	1357.0	1251.4	1231.2
47.5°	4185.8	1779.3	1318.2	1299.5	1350.8	1389.6	1355.4	1293.3	1248.3	1152.0	1138.1
50°	4542.9	1886.4	1301.1	1251.4	1316.6	1366.3	1332.1	1246.7	1178.4	1127.2	1119.4
52.5°	4966.8	2027.7	1279.3	1197.1	1265.4	1353.9	1332.1	1242.1	1152.0	1105.5	1097.7
55°	5410.8	2190.7	1254.5	1131.9	1207.9	1357.0	1343.0	1209.5	1131.9	1107.0	1100.8
57.5°	5962.0	2386.4	1209.5	1055.8	1156.7	1329.0	1299.5	1190.9	1117.9	1097.7	1091.5
60°	6677.8	2676.7	1124.1	978.1	1097.7	1279.3	1260.7	1159.8	1080.6	1063.5	1058.9
62.5°	7811.2	3168.9	1020.1	903.6	1027.8	1175.3	1203.3	1100.8	1034.0	1032.5	1030.9
65°	9658.8	3760.4	897.4	836.9	954.9	1089.9	1127.2	1040.2	985.9	1003.0	1001.4
67.5°	10953.7	3811.7	796.5	767.0	869.5	996.8	1051.1	978.1	919.1	951.7	950.2
70°	10033.0	2973.2	709.5	694.0	777.9	895.9	968.8	900.5	841.5	872.6	866.4
72.5°	8461.7	2279.2	627.3	617.9	684.7	790.3	863.3	822.9	760.8	760.8	746.8
75°	6800.4	1880.2	540.3	535.7	580.7	683.1	765.4	697.1	639.7	636.6	627.3
77.5°	3900.2	1232.8	453.4	450.3	464.2	571.4	594.6	580.7	537.2	517.0	510.8
80°	1554.2	641.2	357.1	336.9	350.9	419.2	468.9	445.6	408.3	383.5	369.5
82.5°	602.4	321.4	251.5	220.5	240.7	302.8	340.0	332.3	307.4	251.5	236.0
85°	245.3	156.8	150.6	127.3	139.7	163.0	195.6	169.2	139.7	99.4	94.7
87.5°	65.2	57.4	55.9	34.2	26.4	7.8	1.6	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)