

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: P641281

Luminaire Tested: GWS-SA5F-750-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641281
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5F-750-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41833.2 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

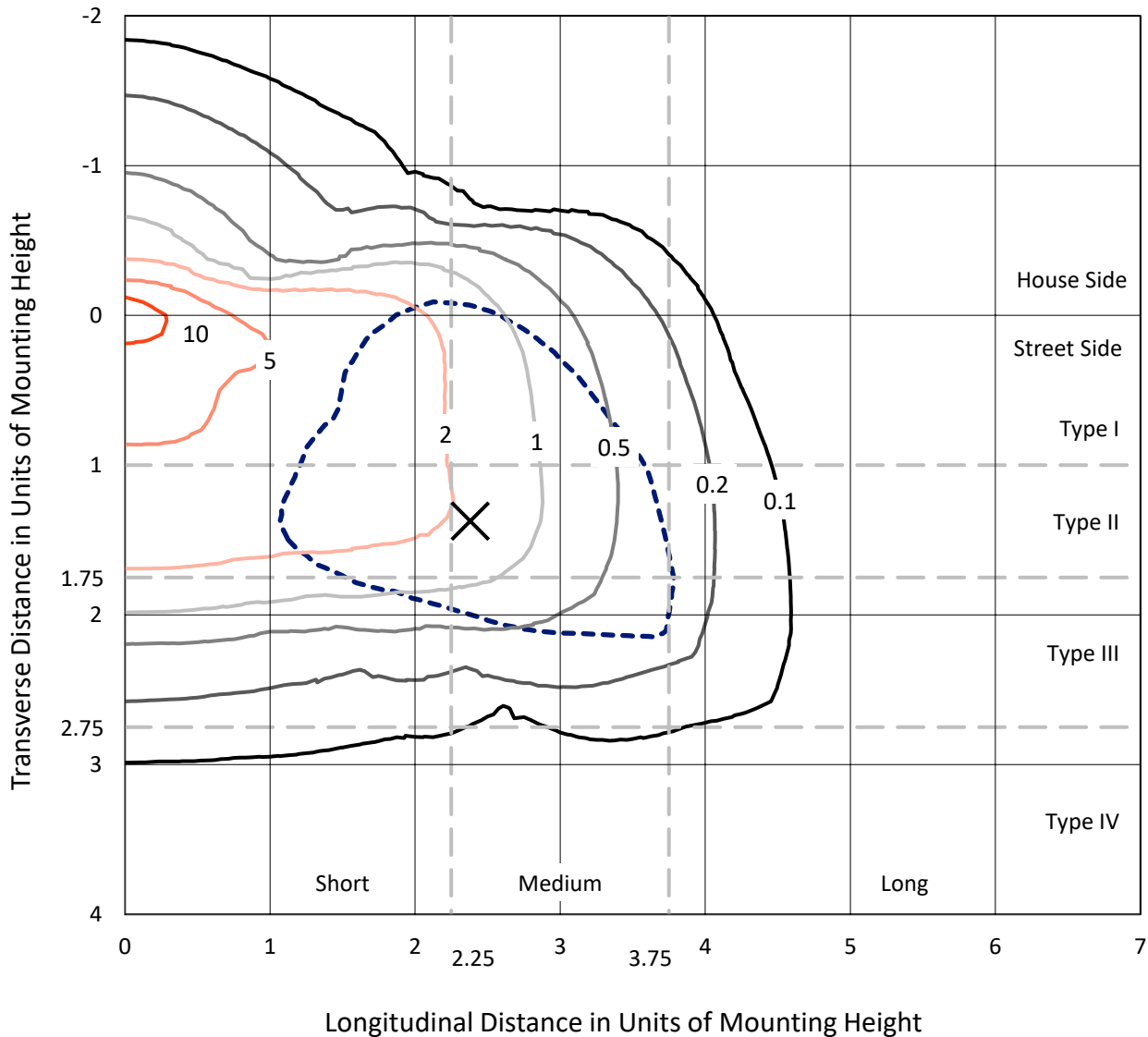
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641281
 CATALOG NUMBER: GWS-SA5F-750-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination

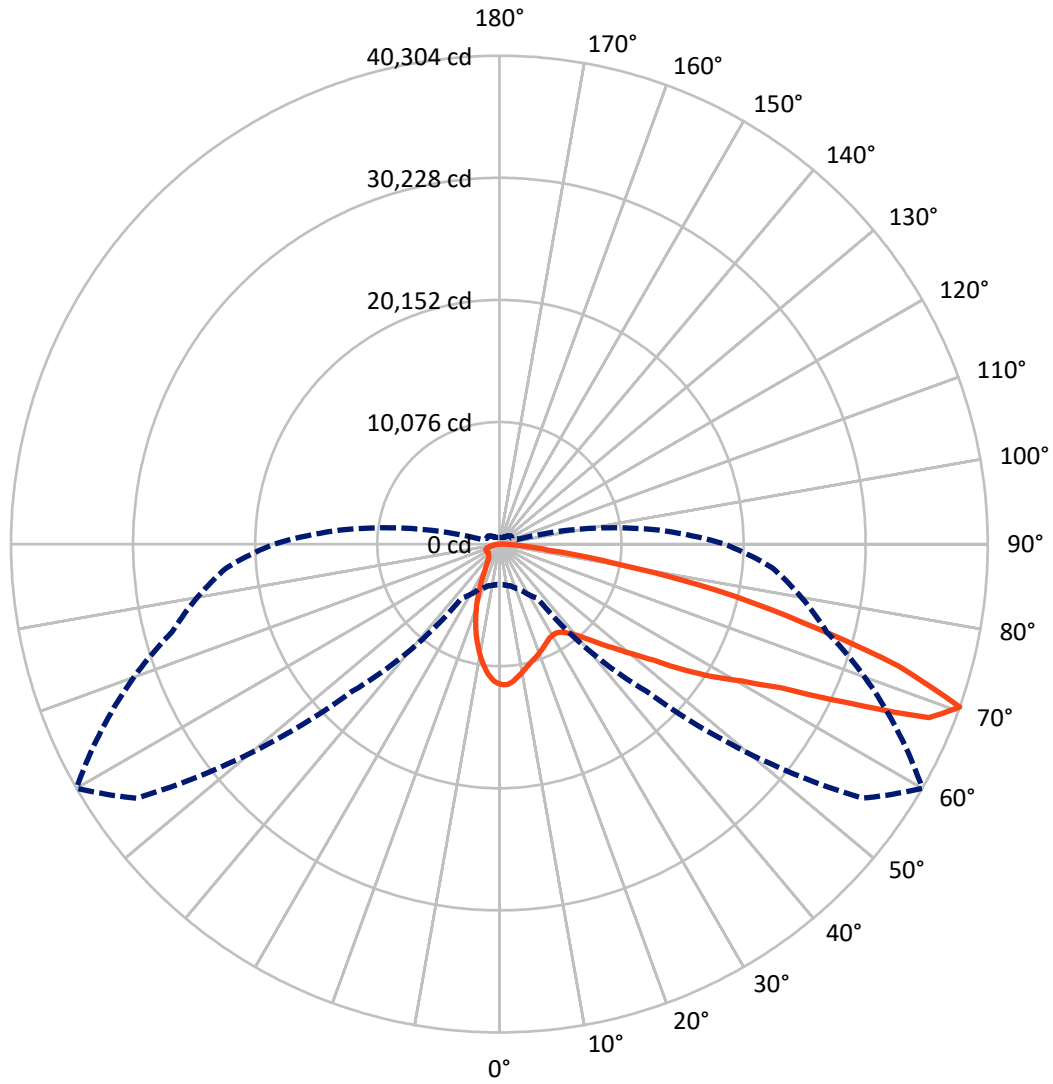
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 12.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P641281
CATALOG NUMBER: GWS-SA5F-750-U-SL3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P641281

CATALOG NUMBER: GWS-SA5F-750-U-SL3-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7154.5	0.0	7154.5
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	34678.7	0.0	34678.7
	% Fixture	82.9	0.0	82.9
Total	Lumens	41833.2	0.0	41833.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	997.8	2.4
10°-20°	2235.4	5.3
20°-30°	2862.8	6.8
30°-40°	3762.4	9.0
40°-50°	5458.6	13.0
50°-60°	8516.6	20.4
60°-70°	11150.0	26.7
70°-80°	6165.6	14.7
80°-90°	684.2	1.6
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°	41833.2	100.0
0°-180°	41833.2	100.0

Coefficient of Utilization



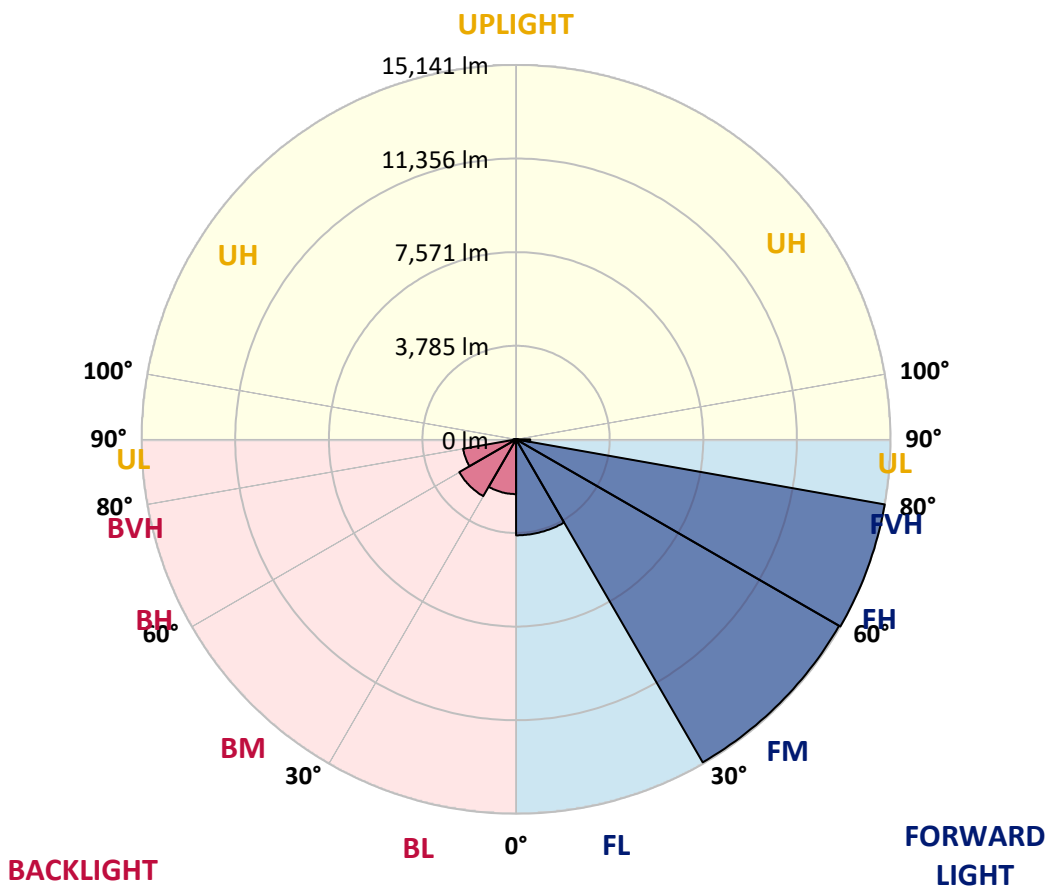
REPORT NUMBER: P641281

CATALOG NUMBER: GWS-SA5F-750-U-SL3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3882.4	9.3			
FM (30°-60°)	15084.9	36.1			
FH (60°-80°)	15141.3	36.2			G5
FVH (80°-90°)	570.1	1.4			G4/750
BL (0°-30°)	2213.5	5.3	B3/2500		
BM (30°-60°)	2652.6	6.3	B3/5000		
BH (60°-80°)	2174.2	5.2	B3/2500		G3/2500
BVH (80°-90°)	114.1	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Medium





REPORT NUMBER: P641281

CATALOG NUMBER: GWS-SA5F-750-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	11575.8	11575.8	11575.8	11575.8	11575.8	11575.8	11575.8	11575.8	11575.8	11575.8	11575.8
2.5°	11413.6	11425.8	11459.5	11508.5	11557.4	11581.9	11643.1	11624.8	11612.5	11588.0	11557.4
5°	10908.5	10933.0	10963.6	11058.5	11165.6	11251.3	11389.1	11404.4	11410.5	11422.7	11373.8
7.5°	10265.8	10271.9	10345.4	10470.9	10611.6	10758.6	10988.1	11052.4	11107.5	11168.7	11128.9
10°	9555.7	9571.0	9626.1	9806.7	10048.5	10265.8	10574.9	10682.0	10798.4	10933.0	10877.9
12.5°	8974.1	8977.2	9066.0	9258.8	9522.0	9815.9	10201.5	10330.1	10483.1	10694.3	10645.3
15°	8512.0	8512.0	8594.6	8759.9	9062.9	9408.8	9867.9	10033.2	10241.3	10525.9	10440.2
17.5°	8144.7	8147.7	8199.8	8374.2	8643.6	9026.2	9571.0	9794.4	10024.0	10400.5	10271.9
20°	7951.9	7936.5	7945.7	8052.9	8282.4	8652.8	9274.1	9534.3	9843.4	10314.8	10118.9
22.5°	7942.7	7915.1	7875.3	7884.5	8019.2	8325.3	8955.8	9271.0	9659.8	10244.4	9962.8
25°	8098.8	8068.2	7997.8	7918.2	7905.9	8089.6	8655.8	9013.9	9470.0	10213.8	9812.8
27.5°	8362.0	8340.6	8248.7	8129.4	8003.9	7997.8	8429.3	8802.7	9332.3	10244.4	9705.7
30°	8710.9	8674.2	8616.0	8463.0	8273.2	8077.3	8340.6	8689.5	9240.4	10342.3	9659.8
32.5°	9105.8	9084.3	9029.2	8876.2	8674.2	8362.0	8411.0	8714.0	9240.4	10513.7	9668.9
35°	9525.1	9522.0	9522.0	9421.0	9197.6	8808.9	8689.5	8922.1	9381.2	10789.2	9766.9
37.5°	9932.2	9929.1	10027.0	10063.8	9809.7	9390.4	9163.9	9338.4	9690.4	11196.3	10008.7
40°	10262.7	10275.0	10489.2	10672.9	10532.1	10143.4	9825.0	9913.8	10192.3	11774.7	10431.1
42.5°	10596.3	10630.0	10951.4	11275.8	11330.9	10994.2	10672.9	10724.9	10911.6	12539.9	11061.6
45°	10960.6	10975.9	11425.8	11878.8	12145.1	11946.1	11682.9	11753.3	11796.2	13485.7	12001.2
47.5°	11312.6	11352.4	11933.9	12555.2	13060.3	13041.9	12895.0	12873.5	12882.7	14636.5	13112.3
50°	11793.1	11851.3	12533.8	13283.7	14024.4	14364.1	14407.0	14244.8	14177.4	15915.9	14495.8
52.5°	12705.2	12705.2	13317.4	14055.0	15049.7	15891.5	16179.2	15912.9	15698.6	17268.8	15964.9
55°	13846.9	13895.8	14382.5	14979.4	16240.4	17498.4	18471.7	18177.8	17571.8	18741.0	17504.5
57.5°	14355.0	14416.2	15187.5	16114.9	17798.3	19325.6	20675.4	20571.4	19686.8	20271.4	19102.2
60°	13436.7	13565.3	14627.4	16182.2	19209.3	22273.1	23225.0	22922.0	21657.9	21878.3	20834.6
62.5°	11208.5	11349.3	12527.7	14697.8	19013.4	25459.4	27243.8	26126.6	24118.8	23907.6	23142.4
65°	6687.8	6681.6	8098.8	10975.9	16598.5	26343.9	33604.1	31519.7	27920.2	26692.9	25517.5
67.5°	4251.4	4242.2	4539.1	5815.4	11046.3	24176.9	37693.2	38235.0	33083.7	28740.5	25713.4
70°	3354.6	3351.5	3565.8	4147.3	5463.5	17204.5	36554.6	40304.1	36202.6	27960.0	22640.4
72.5°	2445.5	2451.7	2782.2	3474.0	4214.7	8637.5	29600.6	34485.6	33298.0	24682.0	18379.9
75°	1756.9	1766.1	1965.0	2659.8	3887.2	4722.8	19683.7	25930.7	25333.9	19784.7	12644.0
77.5°	1117.2	1129.4	1303.9	1864.0	3140.3	3813.7	11933.9	18306.4	16855.6	11147.3	4496.3
80°	682.5	722.3	869.3	1389.6	2509.8	2861.8	5965.4	9644.4	8441.6	3057.7	1512.0
82.5°	352.0	382.6	523.4	860.1	1729.3	2512.9	3376.0	4052.4	2613.9	1279.4	805.0
85°	110.2	128.6	183.6	348.9	823.3	1557.9	2234.4	2014.0	1199.8	603.0	373.4
87.5°	27.5	27.5	30.6	30.6	33.7	70.4	431.6	456.1	318.3	189.8	153.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P641281
 CATALOG NUMBER: GWS-SA5F-750-U-SL3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11575.8	11575.8	11575.8	11575.8	11575.8	11575.8	11575.8	11575.8	11575.8	11575.8	11575.8
2.5°	11496.2	11422.7	11392.1	11389.1	11312.6	11202.4	11128.9	11076.9	11046.3	11040.2	11040.2
5°	11291.1	11196.3	11070.8	10975.9	10770.8	10562.7	10388.2	10290.3	10177.0	10161.7	10158.7
7.5°	11018.7	10881.0	10642.3	10376.0	10017.9	9672.0	9378.2	9179.2	8980.3	8943.5	8931.3
10°	10724.9	10538.2	10131.1	9662.8	9127.2	8609.9	8160.0	7808.0	7575.4	7410.1	7379.5
12.5°	10434.1	10186.2	9589.4	8891.5	8156.9	7449.9	6773.5	6198.0	5781.8	5540.0	5497.1
15°	10161.7	9815.9	8998.6	8107.9	7153.0	6185.8	5227.8	4481.0	3896.3	3688.2	3639.2
17.5°	9913.8	9482.2	8426.3	7296.8	6106.2	4842.1	3752.5	3088.3	2745.5	2641.4	2616.9
20°	9665.9	9139.4	7844.7	6442.9	4995.2	3578.0	2742.4	2430.2	2301.7	2261.9	2249.7
22.5°	9399.6	8763.0	7211.1	5601.2	3871.9	2678.2	2243.5	2105.8	2066.0	2069.1	2066.0
25°	9133.3	8380.4	6547.0	4686.0	2883.2	2173.1	1958.9	1906.9	1916.0	1943.6	1949.7
27.5°	8912.9	8040.6	5895.0	3682.1	2252.7	1870.1	1769.1	1766.1	1799.7	1836.5	1842.6
30°	8753.8	7737.6	5252.3	2831.2	1854.8	1662.0	1622.2	1640.6	1680.4	1707.9	1717.1
32.5°	8640.5	7477.4	4566.7	2225.2	1625.3	1515.1	1496.7	1515.1	1539.6	1567.1	1573.2
35°	8600.7	7287.7	3893.3	1815.0	1469.2	1407.9	1395.7	1404.9	1417.1	1432.4	1438.6
37.5°	8689.5	7192.8	3189.3	1579.4	1374.3	1337.6	1319.2	1313.1	1316.1	1322.2	1325.3
40°	8952.7	7235.6	2613.9	1441.6	1313.1	1279.4	1248.8	1236.5	1233.5	1239.6	1236.5
42.5°	9405.7	7416.2	2197.6	1362.0	1264.1	1215.1	1181.5	1169.2	1169.2	1184.5	1184.5
45°	10069.9	7771.3	1897.7	1303.9	1221.2	1160.0	1123.3	1117.2	1129.4	1153.9	1157.0
47.5°	11043.2	8291.6	1717.1	1261.0	1181.5	1111.1	1074.3	1071.3	1095.8	1135.5	1138.6
50°	12197.1	9041.5	1619.1	1230.4	1153.9	1071.3	1034.5	1037.6	1065.1	1108.0	1117.2
52.5°	13586.7	10063.8	1625.3	1218.2	1138.6	1046.8	1010.1	1003.9	1031.5	1074.3	1083.5
55°	15022.2	11306.4	1744.6	1221.2	1117.2	1034.5	985.6	964.1	988.6	1019.2	1022.3
57.5°	16601.6	12708.3	2041.5	1215.1	1089.6	1022.3	964.1	915.2	930.5	948.8	958.0
60°	18382.9	14358.0	2681.2	1227.4	1077.4	994.7	921.3	857.0	854.0	866.2	869.3
62.5°	20764.2	16601.6	3400.5	1248.8	1104.9	961.1	857.0	789.7	777.4	783.6	786.6
65°	22585.3	17672.8	3174.0	1230.4	1163.1	936.6	795.8	725.4	700.9	694.8	694.8
67.5°	21844.6	16255.7	2209.9	1181.5	1190.6	939.7	746.8	658.1	627.5	612.2	609.1
70°	18588.0	13204.1	1536.5	1132.5	1160.0	933.5	694.8	603.0	563.2	541.8	538.7
72.5°	14685.5	10082.1	1242.7	1034.5	1052.9	841.7	618.3	541.8	508.1	480.5	480.5
75°	9451.6	6152.1	1037.6	921.3	860.1	655.0	535.6	483.6	449.9	422.4	422.4
77.5°	3180.1	2283.3	805.0	780.5	642.8	492.8	449.9	416.3	388.7	364.2	361.2
80°	1291.6	1083.5	590.7	590.7	449.9	376.5	352.0	336.7	318.3	287.7	287.7
82.5°	749.9	658.1	413.2	358.1	300.0	260.2	244.9	229.6	229.6	208.1	208.1
85°	361.2	364.2	247.9	220.4	171.4	150.0	143.9	134.7	131.6	119.4	116.3
87.5°	195.9	198.9	125.5	97.9	67.3	58.2	49.0	45.9	42.9	39.8	39.8
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)