

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: P640868

Luminaire Tested: GWS-SA5E-760-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640868
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5E-760-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38503.1 lumens
Efficiency: N/A
Efficacy: 142.8 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): 269.6
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

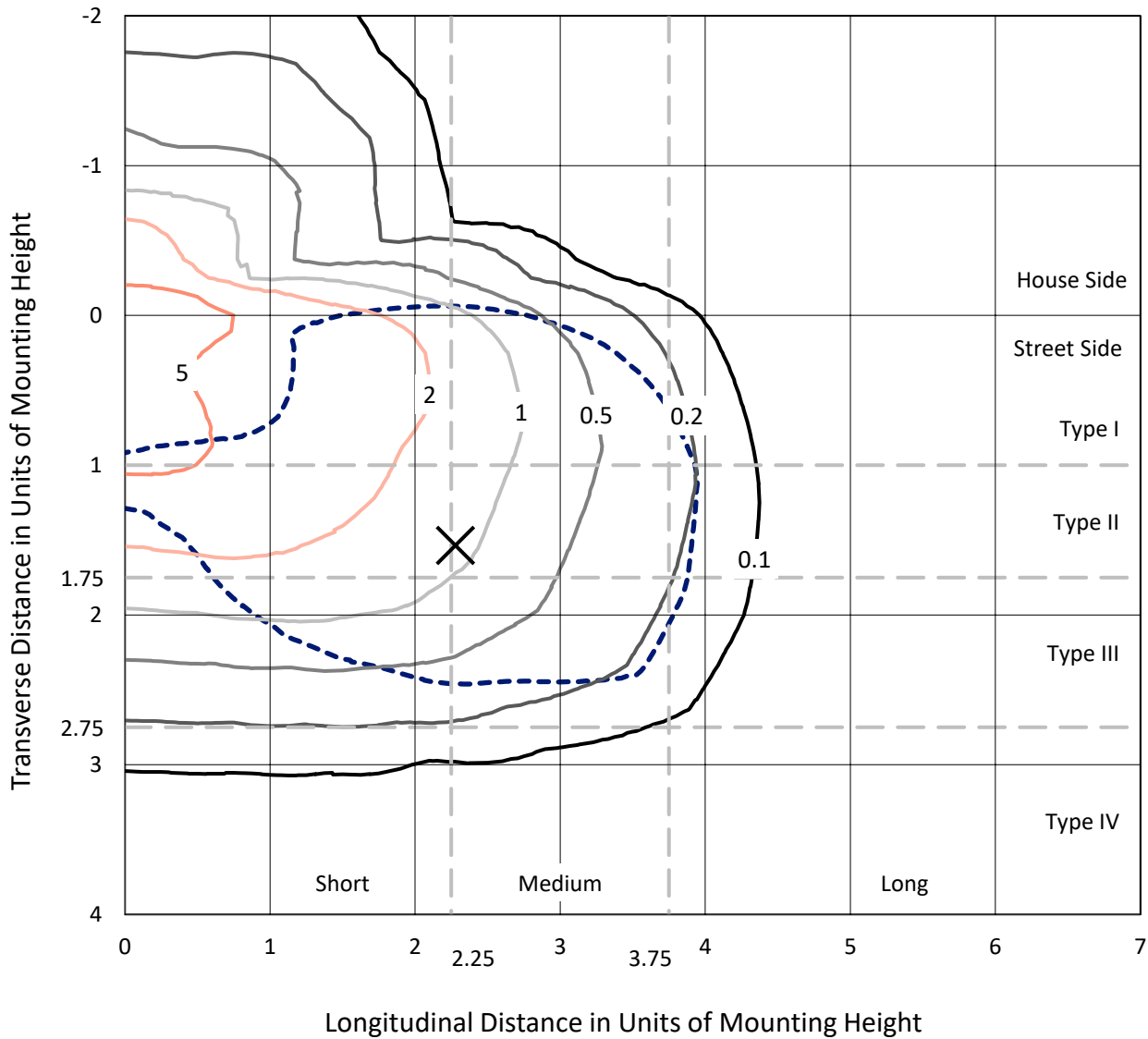


REPORT NUMBER: P640868

CATALOG NUMBER: GWS-SA5E-760-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination

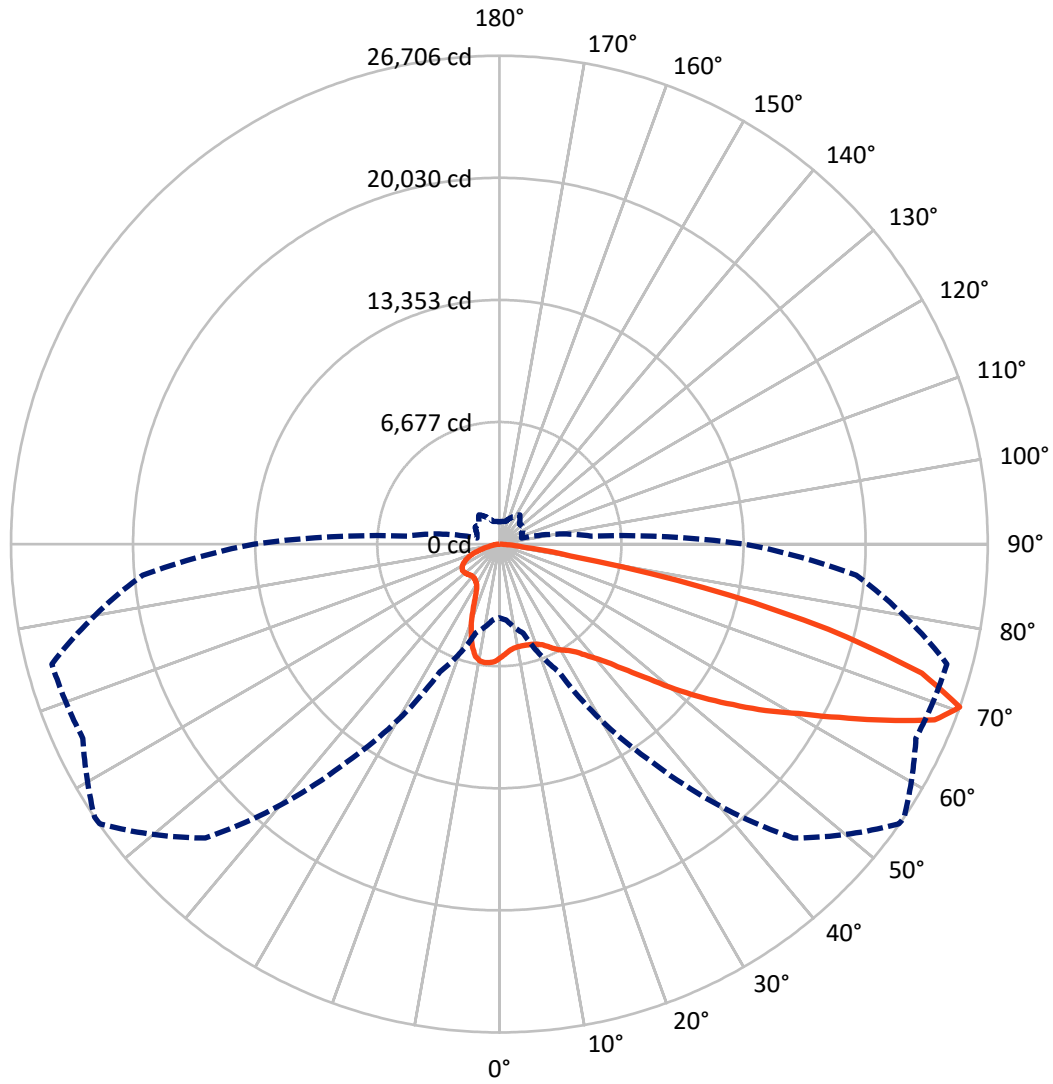
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P640868
CATALOG NUMBER: GWS-SA5E-760-U-T3R-W

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P640868

CATALOG NUMBER: GWS-SA5E-760-U-T3R-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7402.3	0.0	7402.3
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	31100.8	0.0	31100.8
	% Fixture	80.8	0.0	80.8
Total	Lumens	38503.1	0.0	38503.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	575.1	1.5
10°-20°	1558.3	4.0
20°-30°	2576.3	6.7
30°-40°	3852.0	10.0
40°-50°	5732.3	14.9
50°-60°	8149.6	21.2
60°-70°	10093.6	26.2
70°-80°	5573.3	14.5
80°-90°	392.5	1.0
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°	38503.1	100.0
0°-180°	38503.1	100.0

Coefficient of Utilization



REPORT NUMBER: P640868

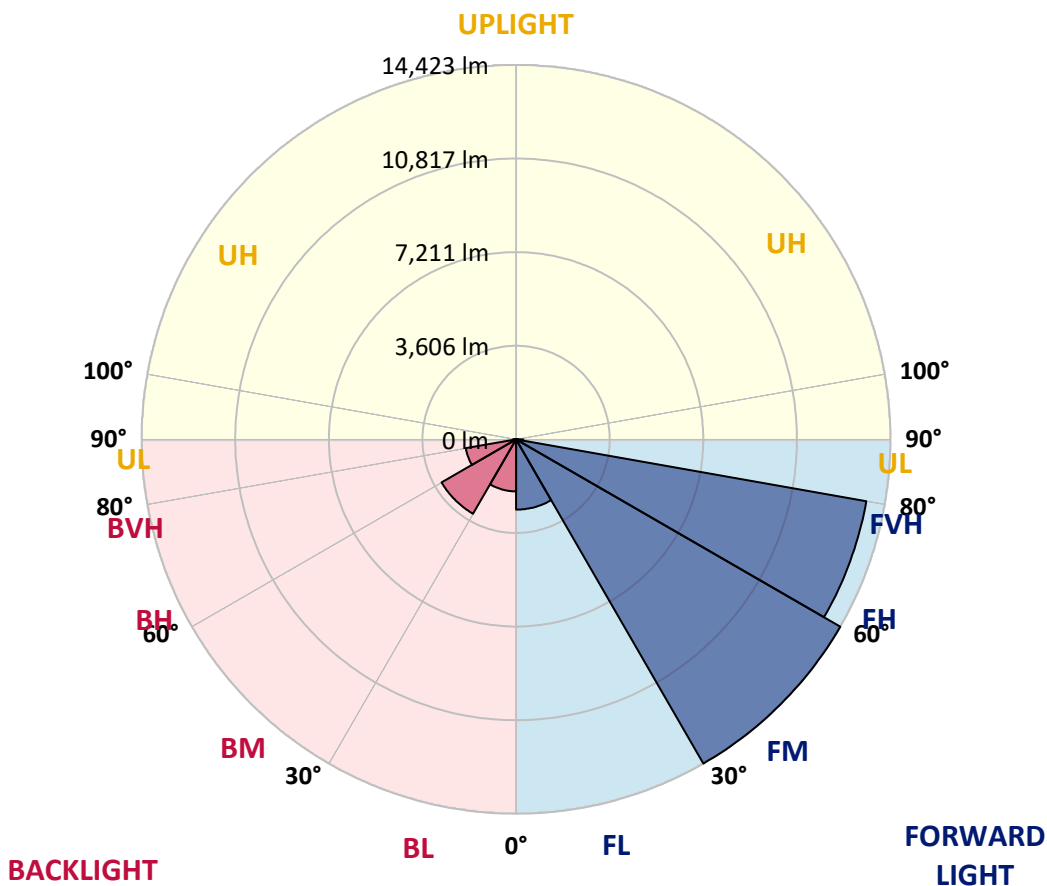
CATALOG NUMBER: GWS-SA5E-760-U-T3R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2705.9	7.0			
FM (30°-60°)	14422.7	37.5			
FH (60°-80°)	13699.4	35.6			G5
FVH (80°-90°)	272.8	0.7			G3/500
BL (0°-30°)	2003.8	5.2	B3/2500		
BM (30°-60°)	3311.2	8.6	B3/5000		
BH (60°-80°)	1967.5	5.1	B3/2500		G3/2500
BVH (80°-90°)	119.8	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: P640868
 CATALOG NUMBER: GWS-SA5E-760-U-T3R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	6215.0	6215.0	6215.0	6215.0	6215.0	6215.0	6215.0	6215.0	6215.0	6215.0	6215.0
2.5°	5815.9	5783.3	5821.3	5840.3	5889.2	5959.8	6022.2	6024.9	6057.5	6136.3	6212.3
5°	5552.5	5536.2	5547.1	5604.1	5655.7	5745.3	5840.3	5848.4	5940.8	6095.5	6247.6
7.5°	5348.9	5327.1	5367.9	5441.2	5506.3	5606.8	5731.7	5742.6	5872.9	6106.4	6339.9
10°	5055.6	5039.3	5115.4	5213.1	5354.3	5519.9	5685.5	5699.1	5870.2	6177.0	6502.8
12.5°	4928.0	4928.0	4960.6	5052.9	5207.7	5427.6	5677.4	5699.1	5913.6	6285.6	6711.9
15°	5126.2	5139.8	5112.6	5107.2	5169.7	5378.7	5688.3	5720.8	5995.1	6396.9	6918.2
17.5°	5525.3	5538.9	5468.3	5357.0	5294.6	5424.9	5729.0	5764.3	6081.9	6519.1	7140.9
20°	6084.7	6101.0	5946.2	5775.1	5560.6	5557.9	5807.7	5840.3	6193.3	6652.1	7377.1
22.5°	6739.0	6749.9	6554.4	6282.9	5954.3	5805.0	5943.5	5976.1	6337.2	6836.8	7632.3
25°	7496.5	7529.1	7292.9	6899.2	6453.9	6144.4	6168.8	6206.8	6595.1	7083.8	7933.7
27.5°	8305.7	8346.4	8074.9	7640.4	7026.8	6519.1	6459.4	6491.9	6869.3	7235.9	8093.9
30°	9133.8	9163.7	8892.1	8395.3	7643.2	6942.7	6703.7	6722.7	6988.8	7309.2	8256.8
32.5°	10054.2	10029.8	9769.1	9196.2	8354.5	7450.4	6931.8	6926.4	7121.9	7455.8	8490.3
35°	10917.6	10952.9	10676.0	10043.4	9136.5	8077.6	7273.9	7252.2	7404.2	7694.8	8818.8
37.5°	11963.0	11952.1	11620.9	10936.6	9921.2	8677.6	7754.5	7716.5	7770.8	8066.7	9277.7
40°	12709.6	12785.7	12571.2	11933.1	10838.9	9416.2	8316.5	8232.4	8245.9	8525.6	9891.3
42.5°	13320.6	13391.2	13412.9	13005.6	11889.7	10328.5	9017.0	8932.9	8941.0	9337.4	10646.1
45°	13790.3	13885.3	14192.1	14072.7	13073.5	11381.9	9964.6	9877.7	9883.2	10323.0	11558.4
47.5°	13983.1	14086.2	14708.0	14993.1	14330.6	12641.8	11143.0	11015.4	11034.4	11520.4	12601.0
50°	13920.6	14059.1	14900.8	15701.7	15384.1	13923.3	12552.2	12462.6	12389.3	13095.2	13733.3
52.5°	13383.0	13535.1	14881.8	16152.5	16244.8	15134.3	14007.5	13955.9	13939.6	14767.7	14998.5
55°	11800.1	12055.3	14227.4	16271.9	16918.1	16274.6	15585.0	15498.1	15582.3	16559.7	16277.4
57.5°	10923.1	11113.1	12945.9	16138.9	17469.3	17360.7	17159.8	17167.9	17263.0	18506.5	17827.7
60°	10423.5	10646.1	12234.5	15775.1	17998.8	18680.3	18807.9	18807.9	18978.9	20605.3	19402.5
62.5°	9761.0	9986.3	11569.3	15074.5	18487.5	20233.3	20879.6	20871.4	20939.3	22856.2	20942.0
65°	8417.0	8626.1	10233.4	13969.5	18726.4	21943.9	23233.6	23209.2	23073.4	24860.0	21960.2
67.5°	6111.8	6310.0	7838.7	11867.9	17865.7	23323.2	25658.2	25669.1	24857.3	26122.5	22014.5
70°	4029.3	4165.0	5039.3	7708.3	14528.8	22728.6	26673.7	26706.3	25131.5	25335.1	19592.6
72.5°	2514.2	2609.3	3146.9	4596.8	8585.3	17990.6	24067.1	24156.7	22609.1	22264.3	16098.2
75°	1669.8	1735.0	2093.4	2679.9	3972.3	9736.6	18294.7	18582.5	18121.0	17453.0	11216.3
77.5°	1004.6	1058.9	1333.1	1702.4	1759.4	3803.9	10678.7	11422.7	11487.8	9112.1	4697.2
80°	458.9	521.3	735.8	972.0	936.7	1325.0	3765.9	3939.7	4648.3	2894.4	1482.5
82.5°	271.5	298.7	488.7	483.3	399.1	643.5	1354.9	1390.2	1181.1	1058.9	632.6
85°	108.6	127.6	206.4	181.9	146.6	209.1	510.4	534.9	513.2	461.6	233.5
87.5°	0.0	0.0	0.0	0.0	2.7	5.4	46.2	48.9	70.6	127.6	70.6
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: P640868
 CATALOG NUMBER: GWS-SA5E-760-U-T3R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6215.0	6215.0	6215.0	6215.0	6215.0	6215.0	6215.0	6215.0	6215.0	6215.0	6215.0
2.5°	6261.2	6244.9	6326.3	6388.8	6415.9	6443.1	6418.6	6410.5	6410.5	6356.2	6329.0
5°	6329.0	6337.2	6448.5	6500.1	6500.1	6478.4	6413.2	6367.0	6350.8	6280.2	6261.2
7.5°	6456.6	6491.9	6595.1	6592.4	6516.4	6396.9	6234.0	6109.1	5995.1	5946.2	5916.3
10°	6665.7	6711.9	6782.5	6668.4	6456.6	6141.7	5796.9	5525.3	5362.4	5232.1	5232.1
12.5°	6904.6	6948.1	6934.5	6671.1	6234.0	5644.8	5147.9	4835.7	4607.6	4488.2	4488.2
15°	7143.6	7178.9	7032.3	6546.2	5769.7	4985.0	4442.0	4067.3	3869.1	3757.8	3757.8
17.5°	7385.2	7382.5	7073.0	6258.4	5164.2	4254.6	3722.5	3432.0	3364.1	3345.1	3342.4
20°	7618.7	7556.3	7021.4	5777.9	4461.0	3518.8	3182.2	3201.2	3301.6	3345.1	3350.5
22.5°	7882.1	7727.3	6869.3	5164.2	3662.7	3008.4	3030.1	3187.6	3334.2	3399.4	3407.5
25°	8150.9	7874.0	6614.1	4444.7	2994.8	2821.0	2989.4	3165.9	3331.5	3415.7	3423.8
27.5°	8259.5	7874.0	6179.7	3611.2	2639.1	2742.3	2926.9	3098.0	3271.8	3369.5	3388.5
30°	8349.1	7806.1	5571.5	2859.1	2492.5	2666.3	2826.5	2984.0	3155.0	3274.5	3296.2
32.5°	8474.0	7746.3	4835.7	2402.9	2424.6	2593.0	2704.3	2837.3	2992.1	3070.8	3062.7
35°	8620.6	7654.0	3947.8	2185.7	2367.6	2530.5	2609.3	2688.0	2617.4	2614.7	2622.8
37.5°	8829.7	7572.6	3174.0	2088.0	2329.6	2487.1	2552.2	2383.9	2286.2	2245.4	2229.1
40°	9131.1	7540.0	2503.4	2030.9	2324.2	2484.4	2438.2	2177.6	2044.5	1903.3	1900.6
42.5°	9511.2	7515.6	2068.9	2003.8	2343.2	2546.8	2280.7	2041.8	1767.6	1705.1	1699.7
45°	9999.9	7477.5	1851.7	1998.4	2389.3	2595.7	2264.4	1854.5	1667.1	1640.0	1640.0
47.5°	10589.1	7417.8	1754.0	1998.4	2440.9	2574.0	2215.6	1813.7	1620.9	1650.8	1669.8
50°	11265.2	7341.8	1702.4	1992.9	2492.5	2574.0	2112.4	1805.6	1610.1	1764.9	1827.3
52.5°	11987.4	7254.9	1667.1	1971.2	2527.8	2576.7	2117.8	1832.7	1620.9	1792.0	1843.6
55°	12785.7	7241.3	1618.2	1925.0	2538.7	2506.1	2131.4	1892.5	1637.2	1623.7	1626.4
57.5°	13793.0	7404.2	1582.9	1857.2	2495.2	2362.2	2158.5	1935.9	1618.2	1620.9	1640.0
60°	14846.5	7711.0	1612.8	1792.0	2405.6	2226.4	2177.6	1914.2	1525.9	1482.5	1487.9
62.5°	15742.5	7944.5	1637.2	1762.1	2275.3	2107.0	2158.5	1865.3	1474.3	1463.5	1487.9
65°	16117.2	7751.8	1577.5	1699.7	2085.2	1960.3	2117.8	1802.9	1430.9	1390.2	1392.9
67.5°	15701.7	6847.6	1460.8	1561.2	1870.7	1773.0	2052.7	1721.4	1371.2	1322.3	1311.4
70°	13412.9	5031.2	1259.8	1341.3	1610.1	1553.1	1952.2	1615.5	1276.1	1240.8	1216.4
72.5°	10809.0	3562.3	1045.3	1067.1	1262.5	1308.7	1778.4	1482.5	1167.5	1067.1	1031.8
75°	7523.7	2237.3	871.6	849.8	912.3	999.2	1387.4	1230.0	1007.3	901.4	868.8
77.5°	3236.5	1148.5	681.5	670.6	608.2	692.4	1064.3	1026.3	844.4	722.2	703.2
80°	1083.3	665.2	491.4	472.4	404.6	486.0	749.4	820.0	662.5	534.9	502.3
82.5°	543.0	385.6	312.2	282.4	271.5	306.8	442.6	510.4	458.9	369.3	312.2
85°	266.1	219.9	171.1	168.3	141.2	133.0	184.6	217.2	206.4	152.0	143.9
87.5°	97.7	86.9	54.3	43.4	27.2	19.0	10.9	10.9	8.1	8.1	8.1
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)