

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: P643754

Luminaire Tested: GWS-SA6F-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643754
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGF-750-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42635 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

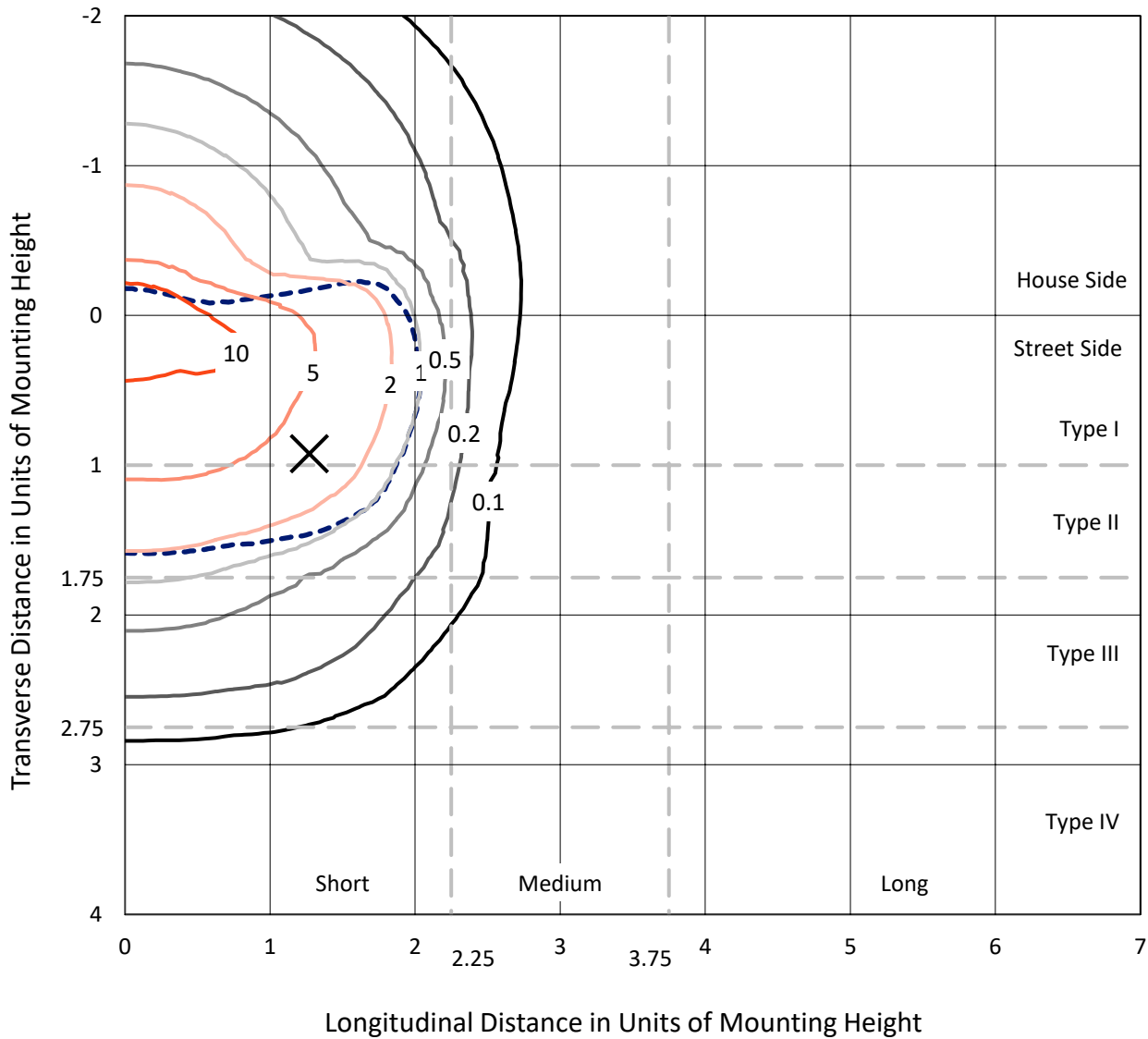
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

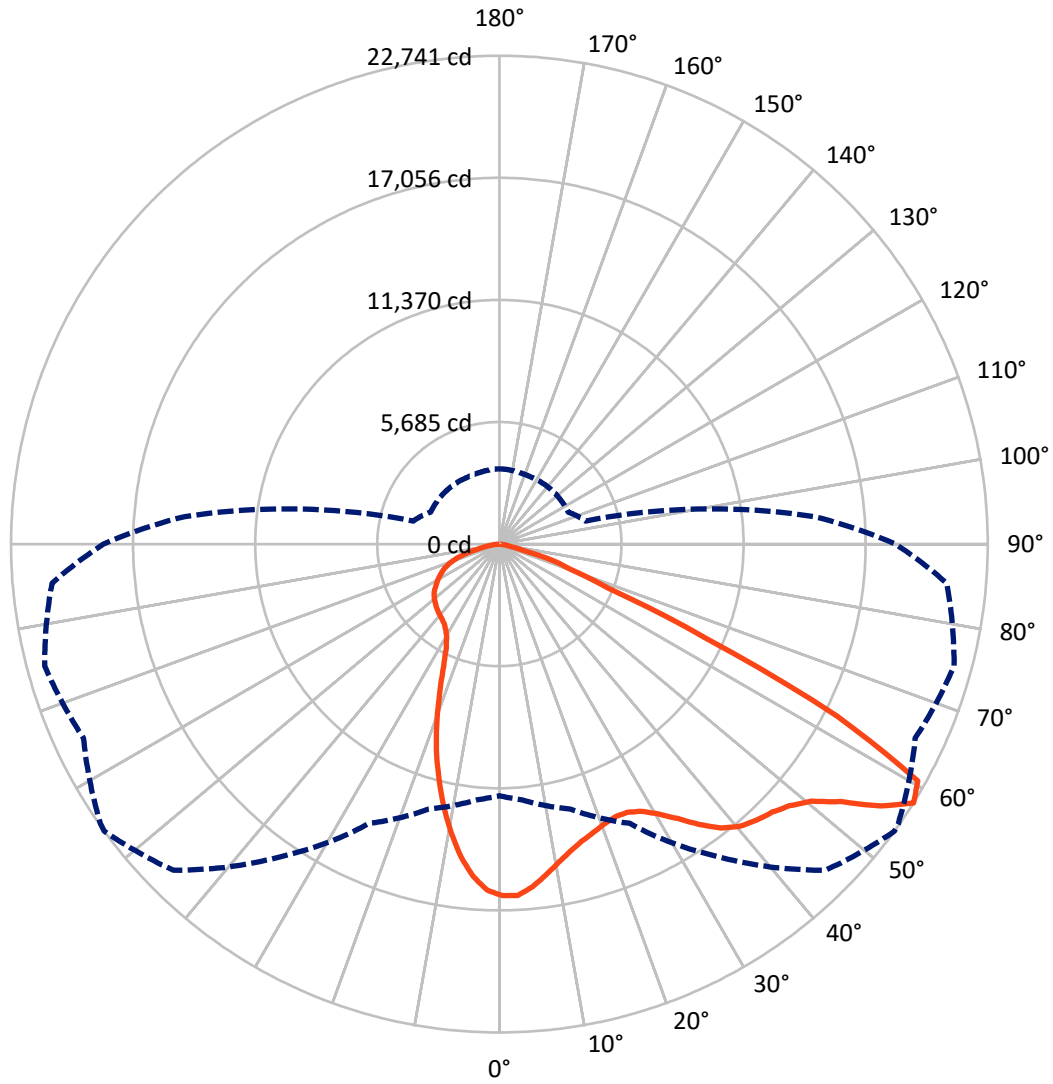
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 18.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12394.5	0.0	12394.5
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	30240.5	0.0	30240.5
	% Fixture	70.9	0.0	70.9
Total	Lumens	42635.0	0.0	42635.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1438.8	3.4
10°-20°	3433.1	8.1
20°-30°	4750.9	11.1
30°-40°	6601.4	15.5
40°-50°	8718.4	20.4
50°-60°	10360.6	24.3
60°-70°	5739.9	13.5
70°-80°	1429.4	3.4
80°-90°	162.5	0.4
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°	42635.0	100.0
0°-180°	42635.0	100.0

Coefficient of Utilization



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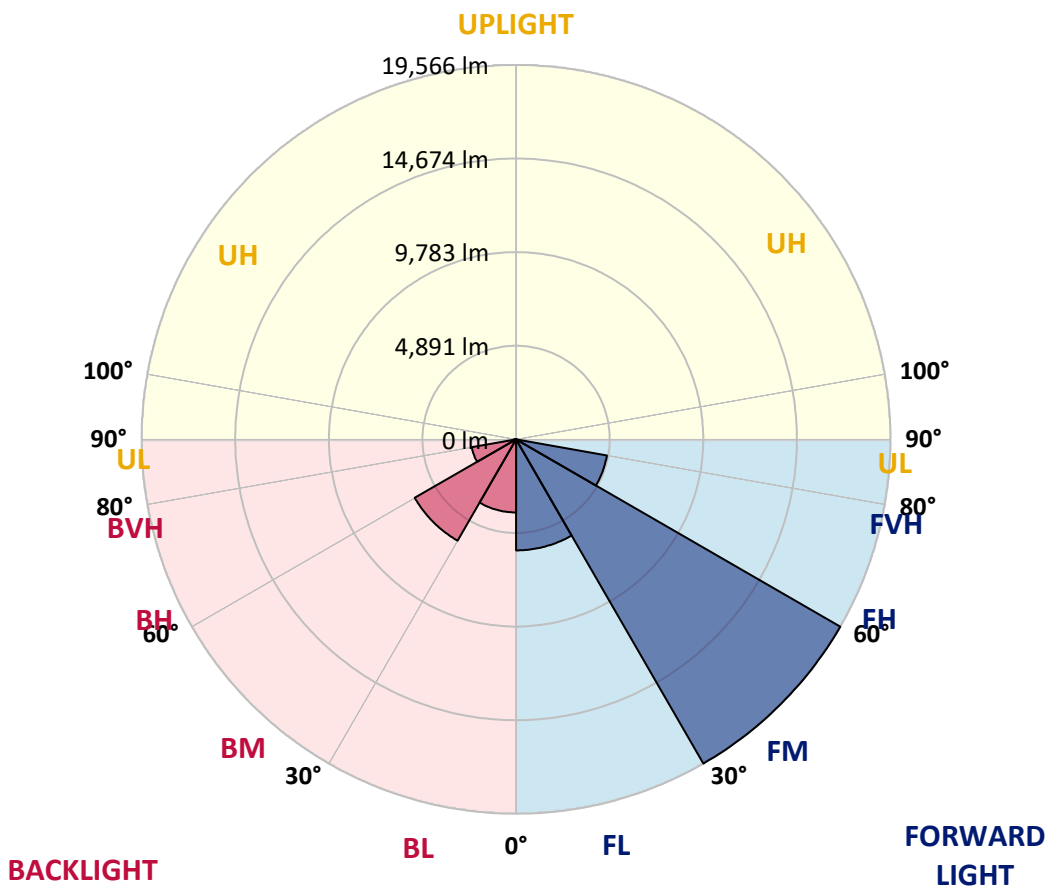
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5803.3	13.6			
FM (30°-60°)	19565.9	45.9			
FH (60°-80°)	4820.5	11.3			G2/5000
FVH (80°-90°)	50.9	0.1			G1/100
BL (0°-30°)	3819.5	9.0	B4/5000		
BM (30°-60°)	6114.5	14.3	B4/8500		
BH (60°-80°)	2348.8	5.5	B3/2500		G3/2500
BVH (80°-90°)	111.7	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	16368.5	16368.5	16368.5	16368.5	16368.5	16368.5	16368.5	16368.5	16368.5	16368.5	16368.5
2.5°	16062.0	16094.8	16116.7	16193.4	16259.1	16317.5	16379.5	16379.5	16375.8	16364.9	16343.0
5°	15426.9	15463.4	15514.5	15620.4	15762.7	15864.9	16032.8	16047.4	16120.4	16149.6	16135.0
7.5°	14689.7	14700.7	14766.4	14905.0	15131.3	15313.8	15554.7	15583.9	15759.1	15861.2	15843.0
10°	13883.2	13846.7	13963.4	14167.8	14463.4	14770.0	15080.2	15105.8	15386.8	15580.2	15565.6
12.5°	13145.9	13149.6	13266.4	13514.5	13883.2	14262.7	14678.8	14737.2	15083.9	15332.1	15306.5
15°	12529.1	12543.7	12686.1	12967.1	13386.8	13839.4	14357.6	14412.3	14850.3	15178.8	15105.8
17.5°	12036.4	12051.0	12175.1	12496.3	12945.2	13492.6	14124.0	14178.8	14722.6	15113.1	14963.4
20°	11697.0	11689.7	11810.2	12116.7	12580.2	13175.1	13919.6	13999.9	14682.4	15138.6	14868.6
22.5°	11558.3	11554.7	11642.3	11894.1	12328.4	12930.6	13795.6	13905.1	14726.2	15251.8	14810.2
25°	11627.7	11613.1	11689.7	11875.9	12222.6	12835.7	13832.1	13948.8	14912.3	15485.3	14821.1
27.5°	11843.0	11824.8	11890.5	12058.3	12321.1	12934.3	14087.5	14222.6	15306.5	15912.3	14967.1
30°	12171.5	12160.5	12226.2	12386.8	12616.7	13262.7	14576.6	14729.9	15916.0	16576.6	15284.6
32.5°	12554.7	12536.4	12653.2	12839.4	13105.8	13861.3	15233.5	15434.2	16638.6	17430.6	15817.5
35°	12985.3	12970.7	13131.3	13401.4	13784.6	14693.4	16029.1	16248.1	17375.8	18397.7	16525.5
37.5°	13405.1	13405.1	13715.3	14116.7	14598.5	15598.5	16777.3	16916.0	17886.8	19255.4	17284.6
40°	13777.3	13799.2	14266.4	14868.6	15481.7	16416.0	17270.0	17386.8	18113.1	19846.6	17945.2
42.5°	14189.7	14208.0	14751.8	15540.1	16270.0	17076.6	17569.3	17627.7	18156.9	20142.3	18412.3
45°	14518.2	14543.7	15218.9	16062.0	16956.1	17572.9	17806.5	17857.6	18218.9	20302.8	18751.7
47.5°	14689.7	14726.2	15499.9	16481.7	17419.6	18018.2	18197.0	18218.9	18474.4	20583.9	19160.5
50°	14660.5	14733.5	15605.8	16689.7	17762.7	18467.1	18824.7	18861.2	18996.3	20996.3	19638.6
52.5°	14919.6	14952.5	15832.1	16937.9	18251.7	19295.5	19916.0	19967.1	19905.0	21306.5	19923.3
55°	14489.0	14645.9	15551.0	16901.4	18996.3	20576.6	21532.8	21507.2	20729.8	21653.2	20397.7
57.5°	11718.9	11948.9	12777.3	14346.7	17770.0	21474.4	22740.8	22678.7	21368.5	21919.6	20912.3
60°	8113.1	8149.6	8897.8	10010.9	13715.3	18970.7	22386.8	22521.8	21485.3	21583.9	19959.8
62.5°	6489.0	6478.1	6547.4	6576.6	8722.6	13335.7	17671.5	18164.2	17850.3	16817.4	14145.9
65°	5540.1	5580.3	5784.6	5678.8	5693.4	7510.9	10558.4	10627.7	10408.7	10036.5	7481.7
67.5°	4335.7	4405.1	4766.4	5178.8	5047.4	4835.7	5478.1	5445.2	4292.0	3321.2	2744.5
70°	2715.3	2759.1	3146.0	4065.7	4394.1	3970.8	3521.9	3507.3	2299.3	1890.5	2073.0
72.5°	1583.9	1591.2	1700.7	2266.4	2916.0	2715.3	2591.2	2496.3	1478.1	1507.3	1653.3
75°	872.3	872.3	868.6	978.1	1149.6	1018.2	985.4	959.9	989.0	1120.4	1229.9
77.5°	182.5	186.1	197.1	259.1	335.8	408.8	514.6	518.2	646.0	748.2	835.8
80°	83.9	87.6	109.5	138.7	178.8	237.2	313.9	317.5	390.5	470.8	529.2
82.5°	43.8	47.4	58.4	73.0	94.9	124.1	175.2	175.2	233.6	277.4	313.9
85°	14.6	14.6	21.9	29.2	40.1	51.1	69.3	69.3	102.2	135.0	156.9
87.5°	0.0	0.0	0.0	0.0	3.6	7.3	14.6	14.6	18.2	21.9	36.5
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°	16368.5	16368.5	16368.5	16368.5	16368.5	16368.5	16368.5	16368.5	16368.5	16368.5	16368.5
2.5°	16295.6	16182.4	16186.1	16208.0	16138.6	16032.8	15963.4	15875.8	15821.1	15810.2	15850.3
5°	16062.0	15930.6	15839.3	15744.5	15547.4	15313.8	15131.3	14981.7	14883.1	14846.7	14802.9
7.5°	15740.8	15569.3	15339.4	15072.9	14715.3	14299.2	14007.2	13733.5	13543.7	13489.0	13463.4
10°	15419.6	15171.5	14762.7	14266.4	13671.5	13109.4	12580.2	12175.1	11854.0	11671.5	11729.9
12.5°	15087.5	14781.0	14142.3	13379.5	12551.0	11704.3	11010.9	10339.4	9821.1	9562.0	9485.4
15°	14795.6	14379.5	13489.0	12456.2	11354.0	10288.3	9284.6	8277.3	7620.4	7262.7	7164.2
17.5°	14547.4	14007.2	12799.2	11514.6	10197.0	8678.8	7445.2	6510.9	6062.0	5864.9	5850.3
20°	14302.9	13642.3	12116.7	10500.0	8861.3	7160.6	6058.4	5620.4	5459.8	5390.5	5386.8
22.5°	14083.9	13259.1	11397.8	9485.4	7532.8	6018.2	5412.4	5222.6	5178.8	5178.8	5171.5
25°	13897.8	12875.9	10660.5	8408.7	6332.1	5357.6	5076.6	4996.3	5014.6	5047.4	5051.1
27.5°	13821.1	12576.6	9948.9	7302.9	5503.6	4974.4	4846.7	4835.7	4886.8	4937.9	4945.2
30°	13901.4	12372.2	9218.9	6244.5	5007.3	4740.9	4682.5	4704.4	4766.4	4817.5	4817.5
32.5°	14149.6	12270.0	8474.4	5470.8	4719.0	4576.6	4558.4	4580.3	4627.7	4656.9	4660.6
35°	14569.3	12310.2	7704.3	4948.9	4532.8	4456.2	4452.5	4467.1	4485.4	4503.6	4507.3
37.5°	15098.5	12489.0	6879.5	4646.0	4412.4	4368.6	4361.3	4357.6	4361.3	4361.3	4364.9
40°	15616.7	12759.1	6142.3	4467.1	4328.4	4292.0	4273.7	4248.2	4244.5	4237.2	4233.6
42.5°	15999.9	12967.1	5554.7	4339.4	4251.8	4208.0	4186.1	4146.0	4142.3	4138.7	4135.0
45°	16288.3	13142.3	5065.7	4215.3	4171.5	4131.4	4083.9	4047.4	4054.7	4062.0	4062.0
47.5°	16613.1	13295.6	4708.0	4098.5	4073.0	4032.8	3974.4	3948.9	3974.4	4000.0	4000.0
50°	17007.2	13510.9	4416.0	3981.7	3970.8	3923.3	3872.2	3861.3	3890.5	3927.0	3927.0
52.5°	17295.5	13697.0	4208.0	3864.9	3864.9	3802.9	3759.1	3755.5	3788.3	3824.8	3828.5
55°	17835.7	14131.3	4135.0	3729.9	3715.3	3667.9	3635.0	3609.5	3649.6	3682.5	3682.5
57.5°	18445.2	14708.0	4153.3	3536.5	3518.2	3503.6	3478.1	3448.9	3459.8	3496.3	3500.0
60°	17153.2	13591.2	3952.5	3343.1	3332.1	3324.8	3292.0	3240.9	3255.5	3284.7	3288.3
62.5°	11981.7	9032.8	3197.1	3102.2	3138.7	3135.0	3091.2	3032.8	3036.5	3076.6	3076.6
65°	6219.0	4886.8	2806.6	2883.2	2937.9	2916.0	2843.1	2792.0	2784.7	2835.8	2824.8
67.5°	2682.5	2667.9	2554.7	2653.3	2711.7	2664.2	2587.6	2503.6	2510.9	2529.2	2514.6
70°	2160.6	2226.3	2273.7	2379.6	2427.0	2339.4	2255.5	2208.0	2167.9	2164.2	2138.7
72.5°	1726.3	1817.5	1923.3	2032.8	2047.4	1959.8	1854.0	1810.2	1748.2	1744.5	1719.0
75°	1299.3	1375.9	1459.8	1547.4	1547.4	1463.5	1394.2	1372.3	1299.3	1277.4	1255.5
77.5°	886.9	934.3	1000.0	1021.9	1043.8	1010.9	941.6	905.1	821.2	799.3	770.1
80°	558.4	591.2	631.4	646.0	667.9	627.7	573.0	532.8	474.5	456.2	441.6
82.5°	335.8	357.7	383.2	390.5	408.8	379.6	328.5	299.3	266.4	251.8	240.9
85°	171.5	182.5	197.1	200.7	197.1	167.9	149.6	135.0	113.1	109.5	102.2
87.5°	43.8	51.1	54.7	51.1	47.4	36.5	25.5	18.2	7.3	7.3	3.6
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)