

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: P643834

Luminaire Tested: GWS-SA6F-760-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643834
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-760-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50247 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

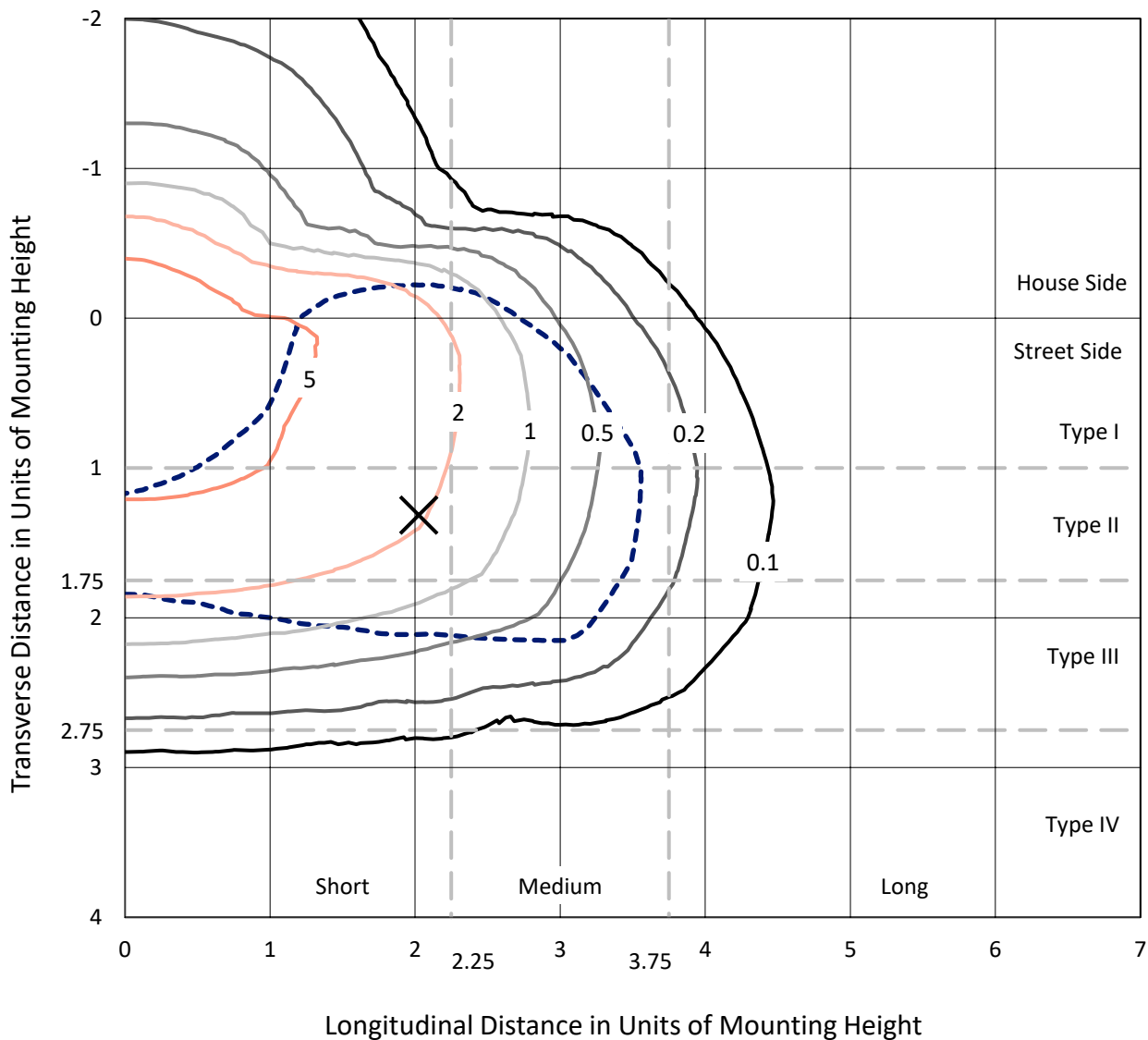
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

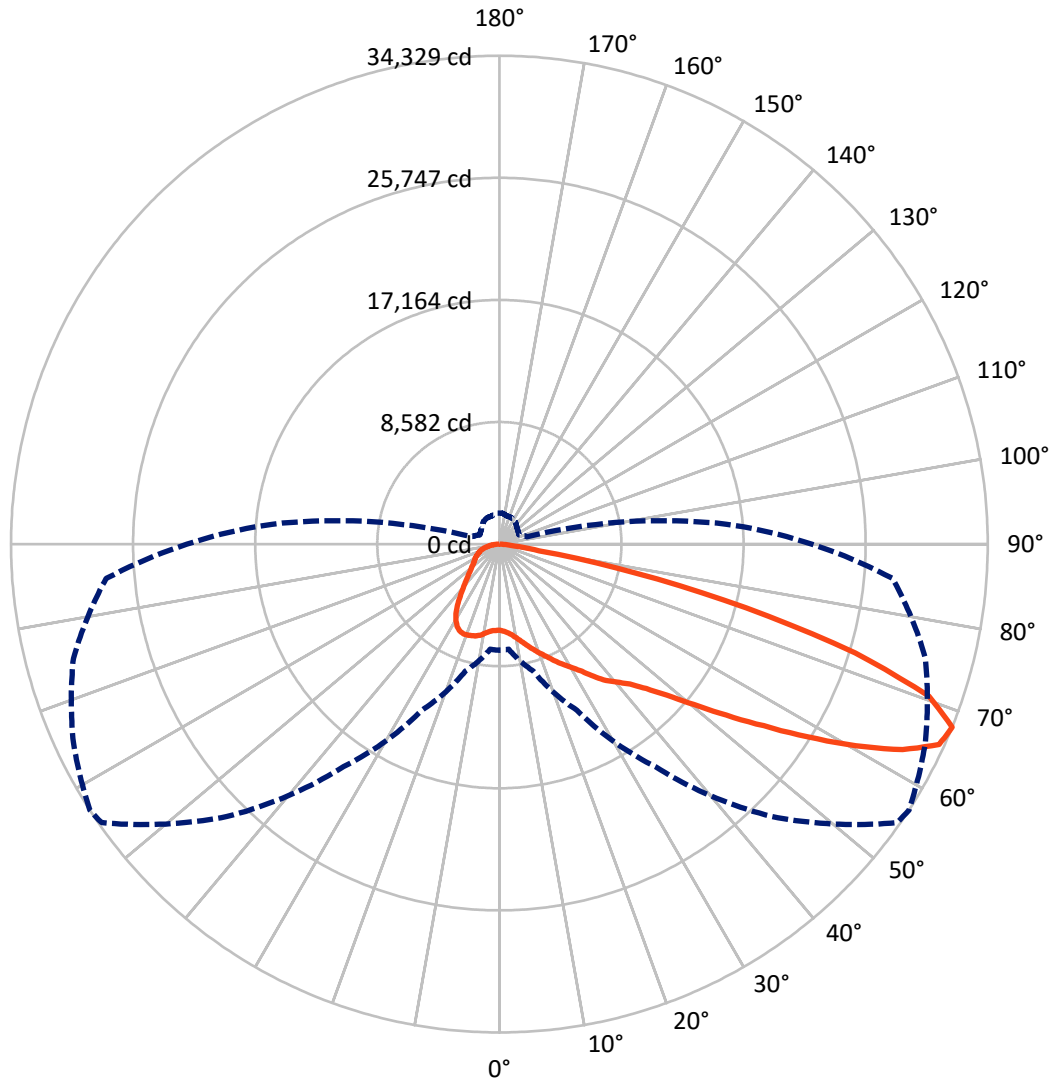
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11047.4	0.0	11047.4
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	39199.6	0.0	39199.6
	% Fixture	78.0	0.0	78.0
Total	Lumens	50247.0	0.0	50247.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	600.5	1.2
10°-20°	1987.9	4.0
20°-30°	3544.0	7.1
30°-40°	5152.5	10.3
40°-50°	7457.4	14.8
50°-60°	11670.6	23.2
60°-70°	13614.5	27.1
70°-80°	5683.3	11.3
80°-90°	536.3	1.1
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°	50247.0	100.0
0°-180°	50247.0	100.0

Coefficient of Utilization



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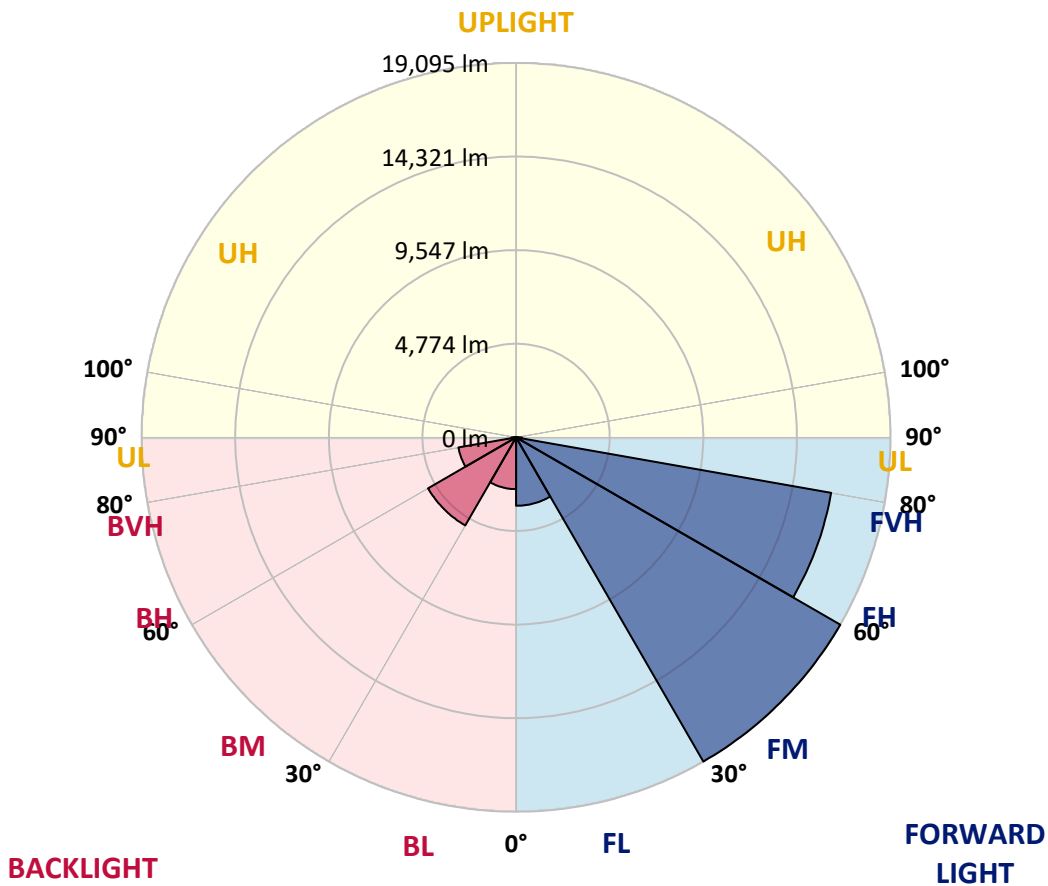
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3490.1	6.9			
FM (30°-60°)	19094.6	38.0			
FH (60°-80°)	16316.1	32.5			G5
FVH (80°-90°)	298.8	0.6			G3/500
BL (0°-30°)	2642.2	5.3	B4/5000		
BM (30°-60°)	5186.0	10.3	B4/8500		
BH (60°-80°)	2981.7	5.9	B4/5000		G4/5000
BVH (80°-90°)	237.5	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	6054.4	6054.4	6054.4	6054.4	6054.4	6054.4	6054.4	6054.4	6054.4	6054.4	6054.4
2.5°	6140.8	6133.6	6130.0	6151.6	6144.4	6140.8	6140.8	6137.2	6130.0	6101.2	6061.6
5°	6310.0	6295.6	6281.2	6299.2	6284.8	6270.4	6266.8	6259.6	6234.4	6191.2	6130.0
7.5°	6486.4	6472.0	6475.6	6486.4	6475.6	6468.4	6457.6	6450.4	6410.8	6342.4	6259.6
10°	6734.7	6734.7	6741.9	6752.7	6756.3	6745.5	6723.9	6713.1	6666.3	6580.0	6464.8
12.5°	7094.7	7087.5	7087.5	7080.3	7091.1	7080.3	7058.7	7040.7	6983.1	6871.5	6705.9
15°	7569.8	7541.0	7515.8	7469.0	7454.6	7415.0	7422.2	7411.4	7357.5	7206.3	6997.5
17.5°	8077.4	8073.8	8034.2	7940.6	7847.0	7782.2	7796.6	7793.0	7764.2	7559.0	7292.7
20°	8523.7	8541.7	8505.7	8433.7	8307.7	8185.3	8178.1	8196.1	8160.2	7955.0	7584.2
22.5°	9024.0	9009.6	8973.6	8880.1	8786.5	8656.9	8613.7	8599.3	8584.9	8350.9	7883.0
25°	9499.2	9542.4	9495.6	9409.2	9265.2	9124.8	9088.8	9103.2	9063.6	8754.1	8203.3
27.5°	10100.3	10118.3	10089.5	9970.7	9848.3	9650.4	9582.0	9582.0	9567.6	9132.0	8455.3
30°	10741.0	10791.4	10741.0	10643.8	10517.8	10233.5	10085.9	10071.5	10028.3	9520.8	8750.5
32.5°	11385.3	11421.3	11385.3	11291.7	11147.8	10899.4	10687.0	10654.6	10597.0	9945.5	9052.8
35°	11957.7	11990.1	11982.9	12004.5	11885.7	11572.5	11442.9	11428.5	11277.3	10499.8	9463.2
37.5°	12584.0	12623.6	12569.6	12612.8	12566.0	12270.8	12231.2	12159.2	11943.3	11021.8	9895.1
40°	13296.7	13332.7	13246.3	13264.3	13210.3	13044.7	12843.1	12746.0	12425.6	11586.9	10575.4
42.5°	14059.8	14142.6	14182.2	14149.8	14023.8	13930.2	13577.5	13455.1	13188.7	12605.6	11694.9
45°	15164.8	15287.2	15344.8	15262.0	15208.0	15074.9	14642.9	14495.3	14355.0	14041.8	13257.1
47.5°	16356.3	16467.9	16651.5	16687.5	16730.6	16629.9	16021.5	15877.6	15902.8	15866.8	15179.2
50°	17306.6	17400.2	17814.1	18256.9	18624.0	18652.8	17875.3	17720.5	17857.3	17972.5	17493.8
52.5°	17997.7	18080.5	18627.6	19541.9	20373.4	20988.9	20150.2	19973.8	20085.4	20344.6	20125.0
55°	18559.2	18674.4	19246.7	20650.5	22331.5	23303.4	22767.1	22543.9	22497.1	22817.5	22943.4
57.5°	18854.4	18890.4	19693.1	21518.0	23767.7	25574.7	25808.7	25556.7	25110.4	25286.7	25941.9
60°	18181.3	18242.5	19340.3	21741.2	24901.6	27828.0	29001.5	28792.7	27842.4	27939.6	28663.1
62.5°	16320.3	16406.7	17727.7	20679.3	24995.2	29332.6	31949.5	31816.3	30542.1	30016.5	30232.5
65°	13091.5	13120.3	14488.1	18051.7	23134.2	29519.8	34004.8	33972.4	32428.2	31197.2	30272.1
67.5°	7465.4	7415.0	9243.6	12875.5	19091.9	27086.5	34138.0	34328.8	33040.2	31002.8	27752.4
70°	3236.0	3243.2	4085.5	6353.2	12357.2	21892.4	31708.3	32035.9	31269.2	27766.8	22079.6
72.5°	1497.4	1519.0	1882.6	2750.0	5276.9	13581.1	25855.5	26150.6	25491.9	22223.5	16064.7
75°	1058.3	1076.3	1256.2	1576.6	2426.1	5291.3	17295.8	17914.9	18235.3	16622.7	10586.2
77.5°	802.7	827.9	917.9	1094.3	1497.4	1875.4	8275.3	9751.1	11615.7	10341.5	5453.3
80°	511.1	511.1	608.3	730.7	914.3	975.5	2390.1	2832.8	5683.7	4261.9	2141.7
82.5°	345.6	356.4	413.9	464.3	525.5	554.3	1025.9	1094.3	1641.4	1450.6	881.9
85°	183.6	190.8	216.0	212.4	252.0	219.6	431.9	428.3	601.1	658.7	334.8
87.5°	0.0	0.0	3.6	3.6	7.2	10.8	46.8	50.4	126.0	201.6	111.6
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°	6054.4	6054.4	6054.4	6054.4	6054.4	6054.4	6054.4	6054.4	6054.4	6054.4	6054.4
2.5°	6083.2	6040.0	6061.6	6054.4	6076.0	6076.0	6036.4	6025.6	6029.2	5986.0	5971.6
5°	6137.2	6086.8	6097.6	6083.2	6104.8	6122.8	6104.8	6104.8	6126.4	6094.0	6076.0
7.5°	6259.6	6202.0	6202.0	6184.0	6209.2	6223.6	6209.2	6230.8	6270.4	6238.0	6220.0
10°	6454.0	6385.6	6389.2	6367.6	6378.4	6371.2	6313.6	6295.6	6306.4	6277.6	6263.2
12.5°	6705.9	6612.3	6612.3	6569.2	6544.0	6468.4	6349.6	6306.4	6313.6	6288.4	6277.6
15°	6947.1	6860.7	6842.7	6756.3	6641.1	6500.8	6392.8	6364.0	6371.2	6346.0	6328.0
17.5°	7231.5	7119.9	7055.1	6896.7	6684.3	6540.4	6432.4	6364.0	6306.4	6248.8	6234.4
20°	7494.2	7353.9	7235.1	6990.3	6731.1	6533.2	6331.6	6162.4	6022.0	5946.4	5928.4
22.5°	7764.2	7584.2	7375.5	7055.1	6727.5	6403.6	6032.8	5777.3	5568.5	5456.9	5478.5
25°	8019.8	7793.0	7508.6	7116.3	6612.3	6115.6	5611.7	5230.1	4992.6	4906.2	4881.0
27.5°	8232.1	7951.4	7631.0	7087.5	6374.8	5701.7	5035.8	4611.0	4380.6	4283.4	4258.3
30°	8469.7	8153.0	7807.4	6954.3	6000.4	5122.1	4384.2	4038.7	3873.1	3779.5	3783.1
32.5°	8743.3	8412.1	8055.8	6698.7	5521.7	4495.8	3847.9	3610.3	3477.2	3383.6	3369.2
35°	9110.4	8782.9	8221.3	6313.6	4913.4	3919.9	3480.8	3286.4	3120.8	2998.4	2973.2
37.5°	9564.0	9340.8	8239.3	5798.9	4261.9	3523.9	3218.0	3009.2	2807.6	2645.7	2627.7
40°	10341.5	10085.9	8091.8	5154.5	3707.5	3268.4	2998.4	2757.2	2523.3	2343.3	2318.1
42.5°	11450.1	10924.6	7775.0	4427.4	3290.0	3066.8	2789.6	2483.7	2246.1	2120.1	2102.1
45°	12861.1	11860.5	7299.9	3743.5	2980.4	2868.8	2570.1	2249.7	2123.7	2033.7	2015.7
47.5°	14588.9	12951.1	6752.7	3210.8	2739.2	2688.9	2346.9	2170.5	2058.9	1983.3	1965.3
50°	16655.1	14340.6	6302.8	2793.2	2523.3	2480.1	2274.9	2123.7	2033.7	1972.5	1958.1
52.5°	19012.8	15884.8	6083.2	2494.5	2336.1	2292.9	2249.7	2112.9	2037.3	1990.5	1972.5
55°	21460.4	17511.7	5878.0	2264.1	2177.7	2202.9	2253.3	2148.9	2091.3	2030.1	2012.1
57.5°	23825.3	19038.0	5374.1	2084.1	2062.5	2159.7	2271.3	2184.9	2116.5	2055.3	2033.7
60°	25455.9	19873.0	4521.0	1940.2	1976.1	2105.7	2224.5	2130.9	2044.5	2019.3	2008.5
62.5°	25895.1	19772.3	3509.5	1792.6	1871.8	1986.9	2102.1	2040.9	1950.9	1990.5	1994.1
65°	24869.2	18692.4	2634.9	1648.6	1735.0	1832.2	1976.1	1950.9	1918.6	2026.5	2030.1
67.5°	21964.4	16039.5	2008.5	1522.6	1594.6	1713.4	1936.6	2040.9	2048.1	2184.9	2170.5
70°	16619.1	11982.9	1573.0	1403.8	1486.6	1713.4	2062.5	2109.3	2022.9	2148.9	2120.1
72.5°	11489.7	7908.2	1339.0	1299.4	1353.4	1634.2	2058.9	2058.9	1965.3	1965.3	1911.4
75°	7137.9	4650.6	1166.3	1166.3	1166.3	1429.0	2001.3	1897.0	1731.4	1655.8	1612.6
77.5°	3523.9	2260.5	979.1	1015.1	975.5	1195.0	1634.2	1551.4	1450.6	1371.4	1342.6
80°	1504.6	1130.3	791.9	831.5	784.7	899.9	1295.8	1277.8	1180.6	1076.3	1043.9
82.5°	691.1	583.1	633.5	651.5	572.3	676.7	946.7	946.7	892.7	748.7	694.7
85°	295.2	309.6	439.1	439.1	360.0	381.6	507.5	482.3	431.9	352.8	324.0
87.5°	100.8	151.2	223.2	194.4	75.6	32.4	18.0	7.2	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)