

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: P643691

Luminaire Tested: GWS-SA6F-740-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643691
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-740-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32257.1 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

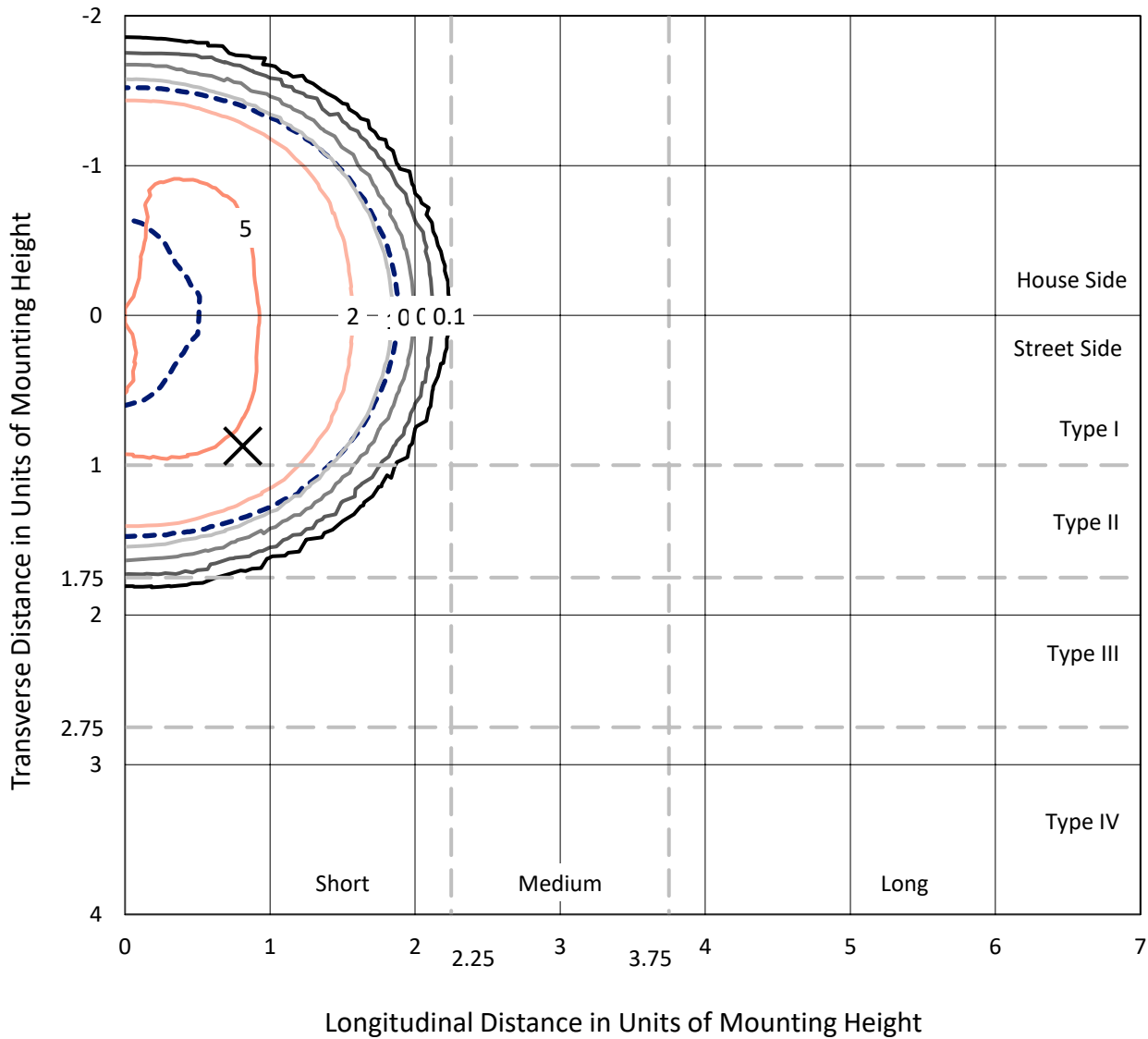
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643691
 CATALOG NUMBER: GWS-SA6F-740-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

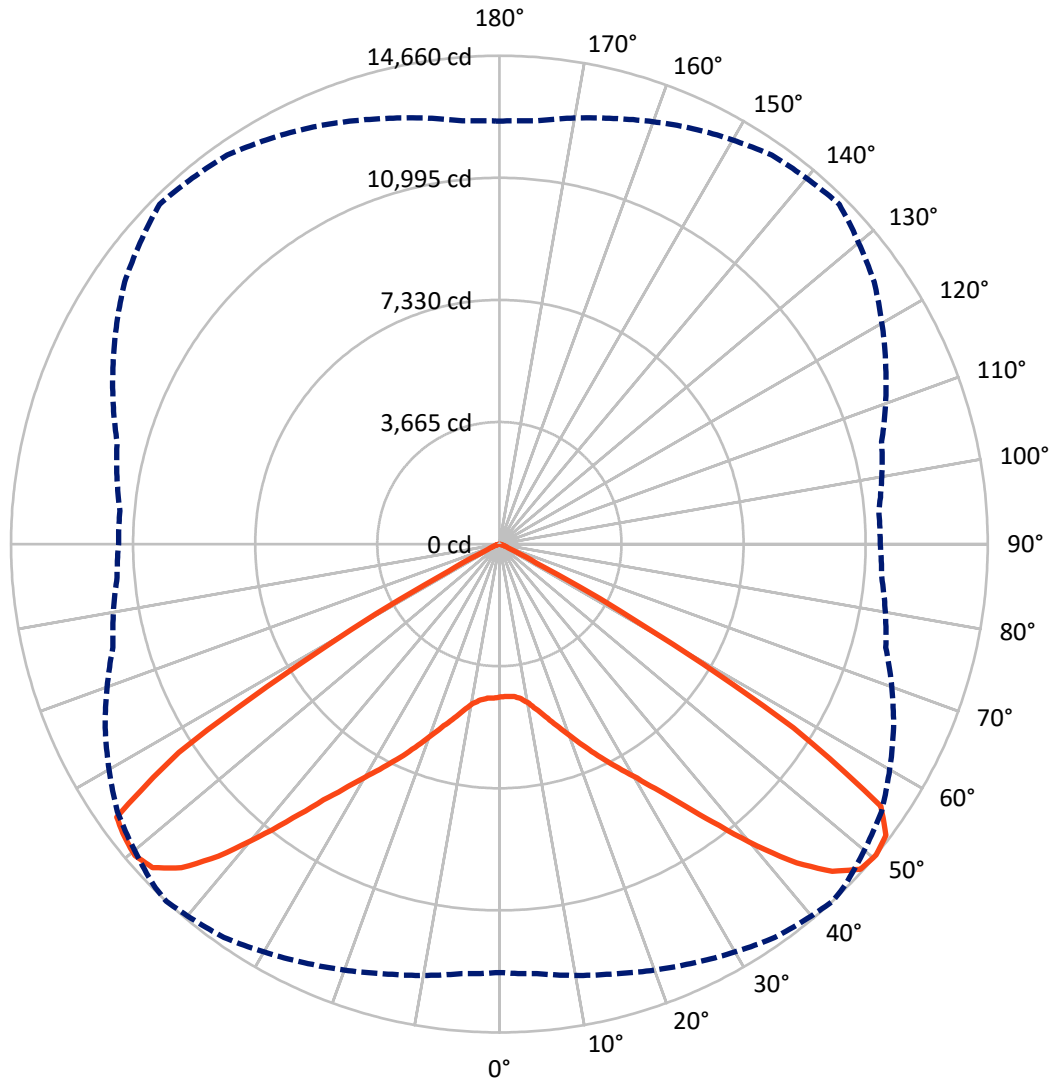
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

REPORT NUMBER: P643691
CATALOG NUMBER: GWS-SA6F-740-U-RW-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P643691

CATALOG NUMBER: GWS-SA6F-740-U-RW-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16128.2	0.0	16128.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16129.0	0.0	16129.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32257.1	0.0	32257.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.8	1.4
10°-20°	1554.8	4.8
20°-30°	3145.7	9.8
30°-40°	5836.4	18.1
40°-50°	9688.0	30.0
50°-60°	9887.0	30.7
60°-70°	1621.4	5.0
70°-80°	71.0	0.2
80°-90°	1.0	0.0
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°	32257.1	100.0
0°-180°	32257.1	100.0

Coefficient of Utilization



REPORT NUMBER: P643691

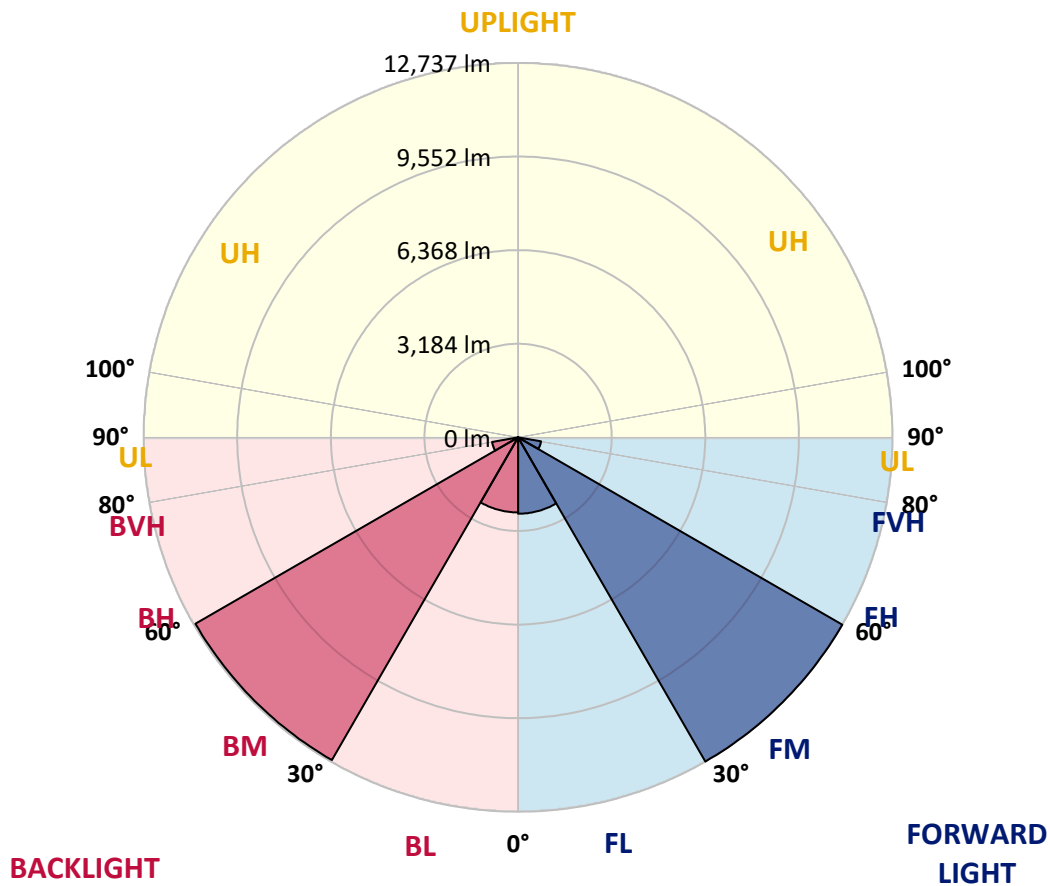
CATALOG NUMBER: GWS-SA6F-740-U-RW-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2598.8	8.1			
FM (30°-60°)	12736.7	39.5			
FH (60°-80°)	793.2	2.5			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	2553.6	7.9	B4/5000		
BM (30°-60°)	12674.8	39.3	B5		
BH (60°-80°)	899.2	2.8	B2/1000		G1/1800
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





REPORT NUMBER: P643691

CATALOG NUMBER: GWS-SA6F-740-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	4588.1	4588.1	4588.1	4588.1	4588.1	4588.1	4588.1	4588.1	4588.1	4588.1	4588.1
2.5°	4502.4	4513.1	4527.4	4541.7	4559.5	4577.4	4588.1	4620.2	4613.0	4641.6	4641.6
5°	4452.5	4463.2	4481.0	4513.1	4552.4	4591.6	4620.2	4684.4	4720.1	4777.2	4798.6
7.5°	4477.5	4491.7	4513.1	4563.1	4623.7	4684.4	4716.5	4820.0	4891.3	4998.3	5059.0
10°	4559.5	4573.8	4609.5	4695.1	4773.6	4859.2	4898.5	5030.5	5144.6	5290.9	5376.5
12.5°	4652.3	4670.1	4741.5	4869.9	5005.5	5119.6	5173.2	5319.4	5437.2	5601.3	5736.9
15°	4748.6	4777.2	4887.7	5076.8	5269.5	5422.9	5480.0	5637.0	5754.7	5929.5	6082.9
17.5°	4973.4	5005.5	5130.4	5333.7	5597.7	5776.1	5826.1	5990.2	6079.4	6197.1	6357.6
20°	5255.2	5315.9	5469.3	5715.5	6004.4	6175.7	6211.4	6371.9	6364.8	6414.7	6553.9
22.5°	5604.9	5647.7	5815.4	6107.9	6432.6	6621.7	6703.7	6771.5	6682.3	6639.5	6728.7
25°	5968.8	6018.7	6200.7	6521.8	6885.7	7103.3	7171.1	7224.6	7081.9	6921.3	6932.0
27.5°	6439.7	6475.4	6653.8	6996.3	7360.2	7606.3	7667.0	7759.7	7570.7	7313.8	7242.4
30°	6999.8	7035.5	7224.6	7584.9	7945.3	8155.8	8248.5	8362.7	8155.8	7834.7	7752.6
32.5°	7656.3	7692.0	7934.6	8305.6	8601.7	8830.1	8919.3	9040.6	8876.4	8516.1	8423.3
35°	8441.2	8462.6	8748.0	9151.2	9465.1	9686.3	9747.0	9889.7	9707.7	9347.4	9297.4
37.5°	9350.9	9375.9	9686.3	10153.7	10474.8	10720.9	10817.3	10856.5	10635.3	10232.2	10192.9
40°	10349.9	10432.0	10735.2	11238.3	11598.6	11909.0	11994.6	11862.6	11552.2	11002.8	10931.4
42.5°	11391.7	11463.0	11802.0	12347.8	12765.2	13082.8	13086.3	12800.9	12272.9	11513.0	11405.9
45°	12258.6	12287.2	12726.0	13275.4	13789.2	14013.9	14035.3	13518.0	12722.4	11809.1	11580.8
47.5°	12854.4	12900.8	13282.5	13810.6	14377.8	14581.2	14538.4	13892.6	12936.5	12001.7	11623.6
50°	12861.6	12940.0	13353.9	13864.1	14413.5	14659.7	14599.0	13999.7	13057.8	12008.9	11520.1
52.5°	11723.5	11851.9	12526.2	13264.7	14106.7	14527.7	14541.9	14138.8	13011.4	11894.7	11427.3
55°	8844.3	8983.5	9832.6	11092.0	12718.9	13892.6	14096.0	13974.7	12957.9	11944.7	11591.5
57.5°	4680.8	4573.8	5044.7	6293.4	8337.7	10414.1	11009.9	11980.3	12362.1	12005.3	11894.7
60°	1020.4	1088.1	1448.5	1951.5	3253.7	4898.5	5480.0	7142.5	9119.0	9996.7	10631.7
62.5°	438.8	431.7	449.5	510.2	745.6	1241.6	1516.3	2476.0	3906.6	5365.8	6354.1
65°	360.3	363.9	378.2	378.2	353.2	356.8	374.6	567.3	913.3	1280.8	1719.6
67.5°	271.1	274.7	299.7	306.8	289.0	256.9	253.3	214.1	224.8	281.8	292.6
70°	171.2	171.2	185.5	192.7	192.7	178.4	174.8	153.4	149.8	171.2	192.7
72.5°	92.8	92.8	99.9	103.5	99.9	96.3	96.3	92.8	89.2	103.5	132.0
75°	39.2	39.2	42.8	42.8	39.2	39.2	39.2	39.2	39.2	46.4	71.4
77.5°	7.1	10.7	14.3	10.7	7.1	7.1	7.1	10.7	10.7	14.3	21.4
80°	3.6	3.6	7.1	3.6	0.0	0.0	0.0	0.0	3.6	3.6	3.6
82.5°	3.6	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P643691

CATALOG NUMBER: GWS-SA6F-740-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4588.1	4588.1	4588.1	4588.1	4588.1	4588.1	4588.1	4588.1	4588.1	4588.1	4588.1
2.5°	4666.6	4627.3	4641.6	4648.7	4638.0	4630.9	4591.6	4580.9	4563.1	4534.5	4527.4
5°	4823.5	4791.4	4787.9	4766.4	4716.5	4655.8	4580.9	4548.8	4513.1	4477.5	4470.3
7.5°	5087.5	5048.3	5023.3	4952.0	4837.8	4741.5	4616.6	4548.8	4502.4	4456.1	4445.4
10°	5426.5	5380.1	5308.7	5176.7	5023.3	4884.2	4737.9	4648.7	4577.4	4513.1	4509.6
12.5°	5786.8	5736.9	5608.4	5440.7	5255.2	5126.8	4941.3	4816.4	4709.4	4613.0	4602.3
15°	6165.0	6104.3	5929.5	5729.7	5558.5	5426.5	5223.1	5023.3	4859.2	4720.1	4705.8
17.5°	6454.0	6379.0	6172.1	6022.3	5883.1	5747.6	5519.2	5255.2	5037.6	4869.9	4830.7
20°	6635.9	6564.6	6368.3	6286.3	6222.1	6125.7	5854.6	5579.9	5337.3	5130.4	5094.7
22.5°	6810.7	6725.1	6553.9	6553.9	6603.8	6564.6	6272.0	5958.1	5672.6	5433.6	5380.1
25°	7007.0	6939.2	6817.9	6917.8	7042.6	7039.1	6739.4	6346.9	6018.7	5751.1	5697.6
27.5°	7292.4	7224.6	7181.8	7370.9	7527.8	7517.1	7188.9	6764.4	6418.3	6154.3	6104.3
30°	7795.4	7731.2	7684.8	7913.2	8112.9	8038.0	7677.7	7267.4	6917.8	6618.1	6582.4
32.5°	8466.2	8398.4	8337.7	8566.0	8744.4	8648.1	8305.6	7920.3	7517.1	7224.6	7153.2
35°	9347.4	9204.7	9144.0	9415.2	9490.1	9383.1	9054.8	8715.9	8287.8	7952.4	7906.0
37.5°	10257.1	10089.5	10046.6	10282.1	10403.4	10364.2	9978.9	9625.7	9161.9	8790.8	8737.3
40°	11034.9	10881.5	10806.6	11174.0	11448.7	11473.7	11127.7	10696.0	10150.1	9764.8	9668.5
42.5°	11491.6	11359.6	11341.7	11912.6	12362.1	12683.2	12269.3	11823.4	11249.0	10813.7	10735.2
45°	11595.0	11509.4	11659.2	12408.5	13107.7	13692.8	13339.6	12868.7	12247.9	11787.7	11712.8
47.5°	11584.3	11555.8	11823.4	12665.3	13550.1	14270.8	14096.0	13564.4	12965.0	12483.4	12412.0
50°	11430.9	11434.5	11880.4	12793.8	13728.5	14427.8	14253.0	13760.6	13225.5	12751.0	12693.9
52.5°	11370.3	11348.9	11773.4	12754.5	13910.5	14356.4	13964.0	13411.0	12815.2	12230.1	12144.5
55°	11584.3	11530.8	11787.7	12722.4	13931.9	14317.2	13282.5	12083.8	10863.6	10171.5	10114.4
57.5°	11905.4	11848.3	11969.6	12487.0	12815.2	11905.4	9775.5	7841.8	6586.0	6054.4	5822.5
60°	10631.7	10592.5	10499.7	9875.4	8469.7	6389.8	4352.6	2775.7	1994.3	1612.6	1612.6
62.5°	6596.7	6543.2	6040.1	4488.2	3260.9	1887.3	1038.2	649.3	492.3	460.2	456.7
65°	1851.6	1840.9	1523.4	1077.4	685.0	424.6	374.6	381.7	374.6	363.9	360.3
67.5°	278.3	306.8	306.8	249.7	239.0	267.6	314.0	335.4	317.5	299.7	292.6
70°	178.4	192.7	185.5	160.5	171.2	199.8	224.8	228.3	217.6	199.8	196.2
72.5°	124.9	139.1	114.2	103.5	107.0	117.7	128.4	128.4	124.9	117.7	110.6
75°	74.9	74.9	53.5	49.9	49.9	53.5	53.5	60.7	60.7	57.1	53.5
77.5°	25.0	28.5	17.8	14.3	14.3	14.3	17.8	21.4	21.4	17.8	14.3
80°	3.6	7.1	3.6	3.6	3.6	3.6	3.6	3.6	7.1	7.1	3.6
82.5°	3.6	3.6	3.6	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)