

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: P643636

Luminaire Tested: GWS-SA6F-735-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643636
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31815 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

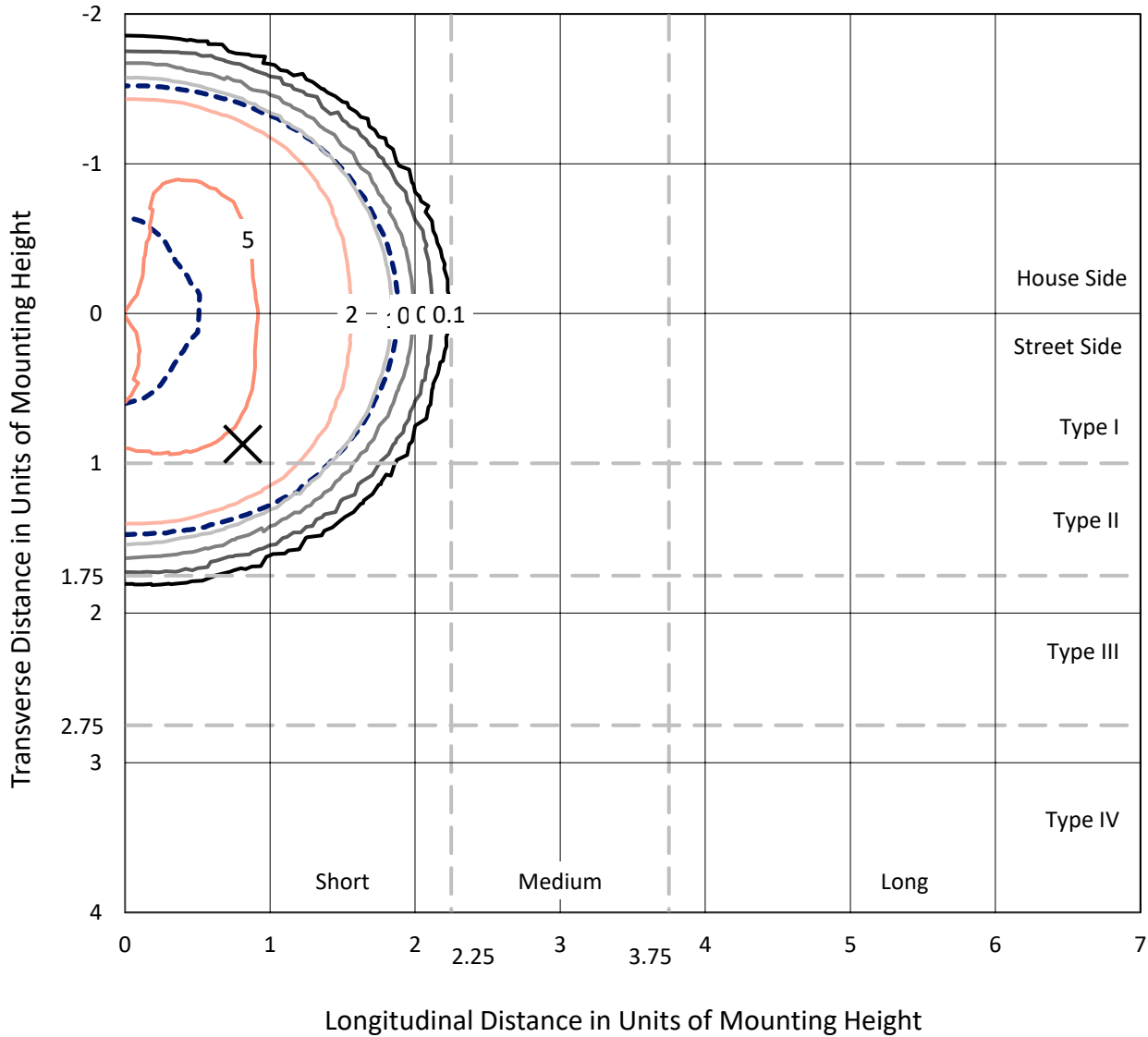
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643636
 CATALOG NUMBER: GWS-SA6F-735-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

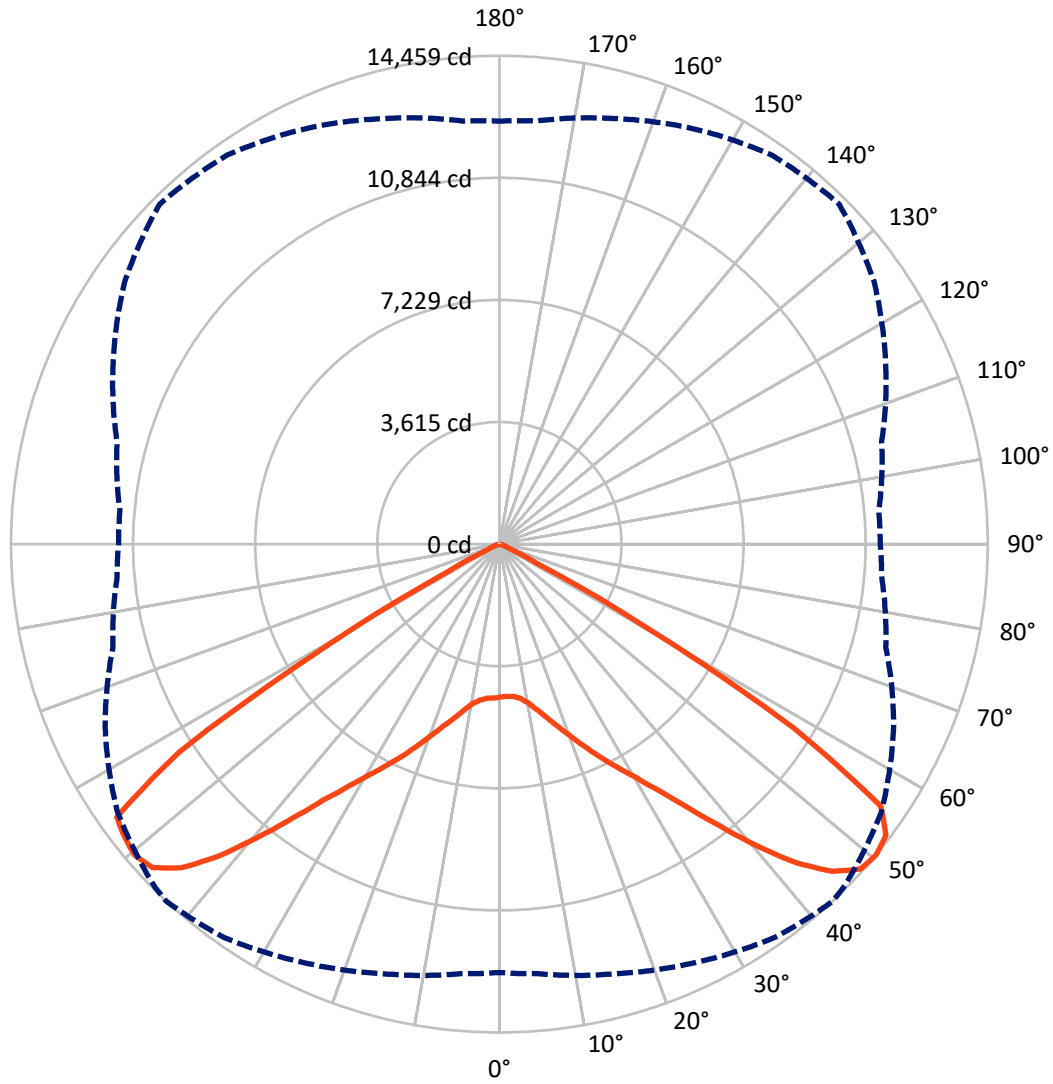
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

REPORT NUMBER: P643636
CATALOG NUMBER: GWS-SA6F-735-U-RW-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P643636

CATALOG NUMBER: GWS-SA6F-735-U-RW-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15907.1	0.0	15907.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15907.9	0.0	15907.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	31815.0	0.0	31815.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.6	1.4
10°-20°	1533.5	4.8
20°-30°	3102.6	9.8
30°-40°	5756.4	18.1
40°-50°	9555.3	30.0
50°-60°	9751.5	30.7
60°-70°	1599.1	5.0
70°-80°	70.0	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°	31815.0	100.0
0°-180°	31815.0	100.0

Coefficient of Utilization



REPORT NUMBER: P643636

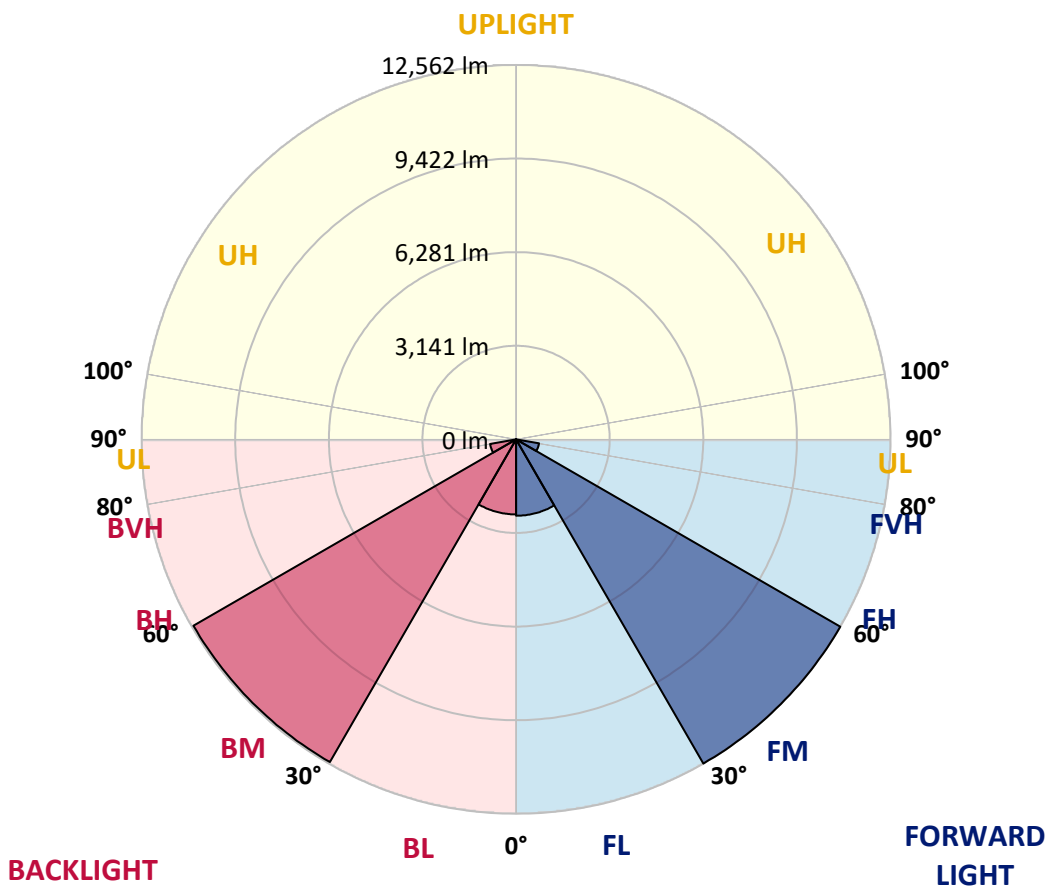
CATALOG NUMBER: GWS-SA6F-735-U-RW-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2563.1	8.1			
FM (30°-60°)	12562.1	39.5			
FH (60°-80°)	782.3	2.5			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	2518.6	7.9	B4/5000		
BM (30°-60°)	12501.0	39.3	B5		
BH (60°-80°)	886.8	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: P643636

CATALOG NUMBER: GWS-SA6F-735-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	4525.2	4525.2	4525.2	4525.2	4525.2	4525.2	4525.2	4525.2	4525.2	4525.2	4525.2
2.5°	4440.7	4451.3	4465.4	4479.4	4497.0	4514.6	4525.2	4556.8	4549.8	4578.0	4578.0
5°	4391.5	4402.0	4419.6	4451.3	4490.0	4528.7	4556.8	4620.2	4655.4	4711.7	4732.8
7.5°	4416.1	4430.2	4451.3	4500.5	4560.4	4620.2	4651.9	4753.9	4824.3	4929.8	4989.7
10°	4497.0	4511.1	4546.3	4630.7	4708.2	4792.6	4831.3	4961.5	5074.1	5218.4	5302.8
12.5°	4588.5	4606.1	4676.5	4803.2	4936.9	5049.5	5102.3	5246.5	5362.7	5524.5	5658.2
15°	4683.5	4711.7	4820.8	5007.3	5197.3	5348.6	5404.9	5559.7	5675.8	5848.3	5999.6
17.5°	4905.2	4936.9	5060.0	5260.6	5521.0	5696.9	5746.2	5908.1	5996.0	6112.2	6270.5
20°	5183.2	5243.0	5394.3	5637.1	5922.1	6091.0	6126.2	6284.6	6277.5	6326.8	6464.0
22.5°	5528.0	5570.3	5735.6	6024.2	6344.4	6530.9	6611.8	6678.7	6590.7	6548.5	6636.5
25°	5887.0	5936.2	6115.7	6432.4	6791.3	7005.9	7072.8	7125.6	6984.8	6826.5	6837.0
27.5°	6351.4	6386.6	6562.6	6900.4	7259.3	7502.1	7561.9	7653.4	7466.9	7213.5	7143.2
30°	6903.9	6939.1	7125.6	7481.0	7836.4	8044.0	8135.5	8248.1	8044.0	7727.3	7646.4
32.5°	7551.4	7586.5	7825.8	8191.8	8483.8	8709.0	8797.0	8916.6	8754.8	8399.4	8307.9
35°	8325.5	8346.6	8628.1	9025.7	9335.4	9553.5	9613.4	9754.1	9574.7	9219.3	9170.0
37.5°	9222.8	9247.4	9553.5	10014.5	10331.2	10574.0	10669.0	10707.7	10489.6	10091.9	10053.2
40°	10208.0	10289.0	10588.1	11084.2	11439.6	11745.8	11830.2	11700.0	11393.9	10852.0	10781.6
42.5°	11235.5	11305.9	11640.2	12178.6	12590.3	12903.5	12907.0	12625.5	12104.7	11355.2	11249.6
45°	12090.6	12118.8	12551.6	13093.5	13600.2	13821.9	13843.0	13332.7	12548.1	11647.2	11422.0
47.5°	12678.2	12724.0	13100.5	13621.3	14180.8	14381.3	14339.1	13702.2	12759.2	11837.3	11464.3
50°	12685.3	12762.7	13170.9	13674.1	14216.0	14458.8	14398.9	13807.8	12878.8	11844.3	11362.2
52.5°	11562.8	11689.5	12354.5	13082.9	13913.3	14328.6	14342.6	13945.0	12833.1	11731.7	11270.7
55°	8723.1	8860.3	9697.8	10940.0	12544.5	13702.2	13902.8	13783.2	12780.3	11781.0	11432.6
57.5°	4616.7	4511.1	4975.6	6207.2	8223.4	10271.4	10859.0	11816.1	12192.7	11840.8	11731.7
60°	1006.4	1073.2	1428.6	1924.8	3209.1	4831.3	5404.9	7044.6	8994.1	9859.7	10486.0
62.5°	432.8	425.8	443.4	503.2	735.4	1224.5	1495.5	2442.0	3853.1	5292.3	6267.0
65°	355.4	358.9	373.0	373.0	348.4	351.9	369.5	559.5	900.8	1263.3	1696.1
67.5°	267.4	270.9	295.6	302.6	285.0	253.4	249.8	211.1	221.7	278.0	288.5
70°	168.9	168.9	183.0	190.0	190.0	175.9	172.4	151.3	147.8	168.9	190.0
72.5°	91.5	91.5	98.5	102.0	98.5	95.0	95.0	91.5	88.0	102.0	130.2
75°	38.7	38.7	42.2	42.2	38.7	38.7	38.7	38.7	38.7	45.7	70.4
77.5°	7.0	10.6	14.1	10.6	7.0	7.0	7.0	10.6	10.6	14.1	21.1
80°	3.5	3.5	7.0	3.5	0.0	0.0	0.0	0.0	3.5	3.5	3.5
82.5°	3.5	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5
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: P643636

CATALOG NUMBER: GWS-SA6F-735-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4525.2	4525.2	4525.2	4525.2	4525.2	4525.2	4525.2	4525.2	4525.2	4525.2	4525.2
2.5°	4602.6	4563.9	4578.0	4585.0	4574.4	4567.4	4528.7	4518.1	4500.5	4472.4	4465.4
5°	4757.4	4725.8	4722.2	4701.1	4651.9	4592.0	4518.1	4486.5	4451.3	4416.1	4409.1
7.5°	5017.8	4979.1	4954.5	4884.1	4771.5	4676.5	4553.3	4486.5	4440.7	4395.0	4384.4
10°	5352.1	5306.4	5236.0	5105.8	4954.5	4817.2	4673.0	4585.0	4514.6	4451.3	4447.8
12.5°	5707.5	5658.2	5531.6	5366.2	5183.2	5056.5	4873.5	4750.4	4644.8	4549.8	4539.3
15°	6080.5	6020.7	5848.3	5651.2	5482.3	5352.1	5151.5	4954.5	4792.6	4655.4	4641.3
17.5°	6365.5	6291.6	6087.5	5939.7	5802.5	5668.8	5443.6	5183.2	4968.5	4803.2	4764.5
20°	6545.0	6474.6	6281.1	6200.1	6136.8	6041.8	5774.4	5503.4	5264.1	5060.0	5024.9
22.5°	6717.4	6632.9	6464.0	6464.0	6513.3	6474.6	6186.1	5876.4	5594.9	5359.1	5306.4
25°	6910.9	6844.1	6724.4	6823.0	6946.1	6942.6	6647.0	6260.0	5936.2	5672.3	5619.5
27.5°	7192.4	7125.6	7083.4	7269.8	7424.7	7414.1	7090.4	6671.7	6330.3	6069.9	6020.7
30°	7688.6	7625.2	7579.5	7804.7	8001.8	7927.9	7572.5	7167.8	6823.0	6527.4	6492.2
32.5°	8350.1	8283.3	8223.4	8448.6	8624.6	8529.6	8191.8	7811.7	7414.1	7125.6	7055.2
35°	9219.3	9078.5	9018.7	9286.1	9360.0	9254.5	8930.7	8596.4	8174.2	7843.4	7797.7
37.5°	10116.6	9951.2	9908.9	10141.2	10260.8	10222.1	9842.1	9493.7	9036.3	8670.3	8617.5
40°	10883.7	10732.3	10658.5	11020.9	11291.8	11316.5	10975.1	10549.4	10011.0	9631.0	9536.0
42.5°	11334.1	11203.9	11186.3	11749.3	12192.7	12509.3	12101.2	11661.3	11094.8	10665.5	10588.1
45°	11436.1	11351.7	11499.4	12238.4	12928.1	13505.2	13156.8	12692.3	12080.1	11626.1	11552.2
47.5°	11425.6	11397.4	11661.3	12491.8	13364.4	14075.2	13902.8	13378.5	12787.3	12312.3	12241.9
50°	11274.2	11277.8	11717.6	12618.4	13540.4	14230.0	14057.6	13572.0	13044.2	12576.2	12519.9
52.5°	11214.4	11193.3	11612.0	12579.7	13719.8	14159.7	13772.6	13227.2	12639.5	12062.5	11978.0
55°	11425.6	11372.8	11626.1	12548.1	13740.9	14121.0	13100.5	11918.2	10714.8	10032.1	9975.8
57.5°	11742.2	11685.9	11805.6	12315.8	12639.5	11742.2	9641.5	7734.3	6495.7	5971.4	5742.7
60°	10486.0	10447.3	10355.8	9740.0	8353.6	6302.2	4292.9	2737.6	1967.0	1590.5	1590.5
62.5°	6506.3	6453.5	5957.3	4426.7	3216.2	1861.4	1024.0	640.4	485.6	453.9	450.4
65°	1826.3	1815.7	1502.5	1062.7	675.6	418.7	369.5	376.5	369.5	358.9	355.4
67.5°	274.5	302.6	302.6	246.3	235.8	263.9	309.7	330.8	313.2	295.6	288.5
70°	175.9	190.0	183.0	158.3	168.9	197.1	221.7	225.2	214.6	197.1	193.5
72.5°	123.2	137.2	112.6	102.0	105.6	116.1	126.7	126.7	123.2	116.1	109.1
75°	73.9	73.9	52.8	49.3	49.3	52.8	52.8	59.8	59.8	56.3	52.8
77.5°	24.6	28.2	17.6	14.1	14.1	14.1	17.6	21.1	21.1	17.6	14.1
80°	3.5	7.0	3.5	3.5	3.5	3.5	3.5	3.5	7.0	7.0	3.5
82.5°	3.5	3.5	3.5	0.0	0.0	0.0	0.0	3.5	3.5	3.5	3.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.5
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)