

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: P643911

Luminaire Tested: GWS-SA6F-830-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643911
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-SAGF-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25624.7 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

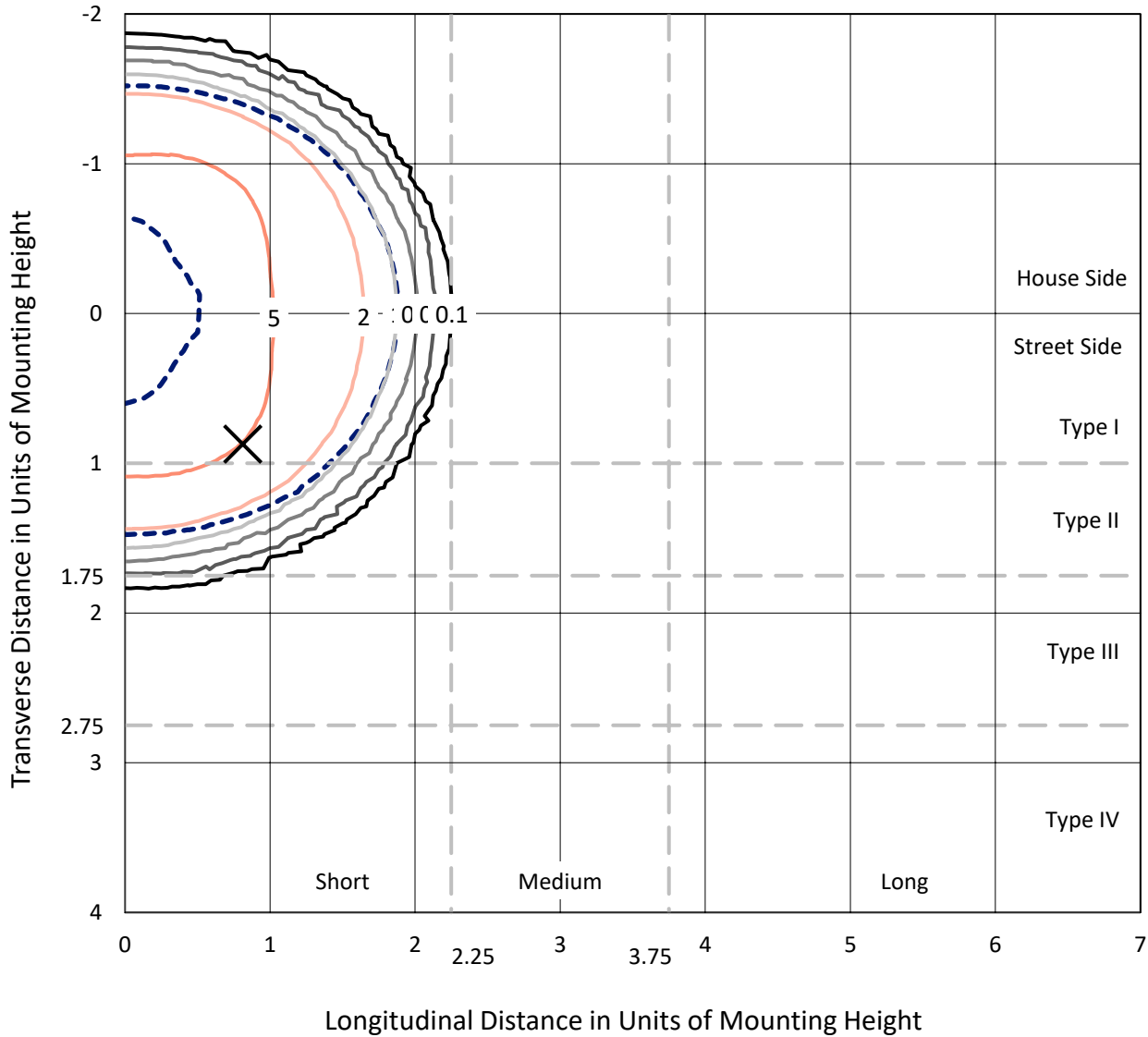
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643911
 CATALOG NUMBER: GWS-SA6F-830-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

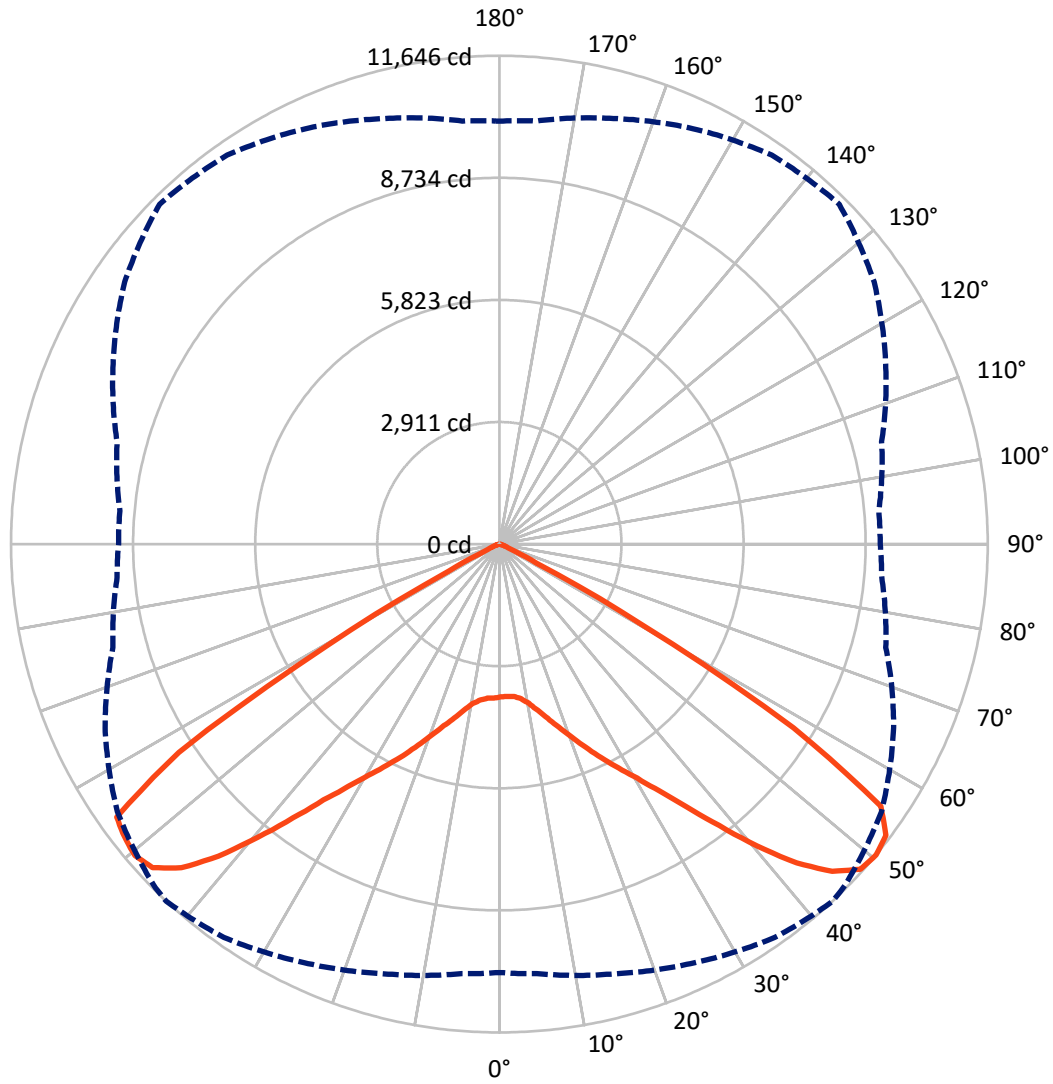
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type V - Short - N/A

REPORT NUMBER: P643911
CATALOG NUMBER: GWS-SA6F-830-U-RW-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P643911

CATALOG NUMBER: GWS-SA6F-830-U-RW-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12812.0	0.0	12812.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12812.7	0.0	12812.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	25624.7	0.0	25624.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.9	1.4
10°-20°	1235.1	4.8
20°-30°	2498.9	9.8
30°-40°	4636.3	18.1
40°-50°	7696.1	30.0
50°-60°	7854.2	30.7
60°-70°	1288.0	5.0
70°-80°	56.4	0.2
80°-90°	0.8	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°	25624.7	100.0
0°-180°	25624.7	100.0

Coefficient of Utilization



REPORT NUMBER: P643911

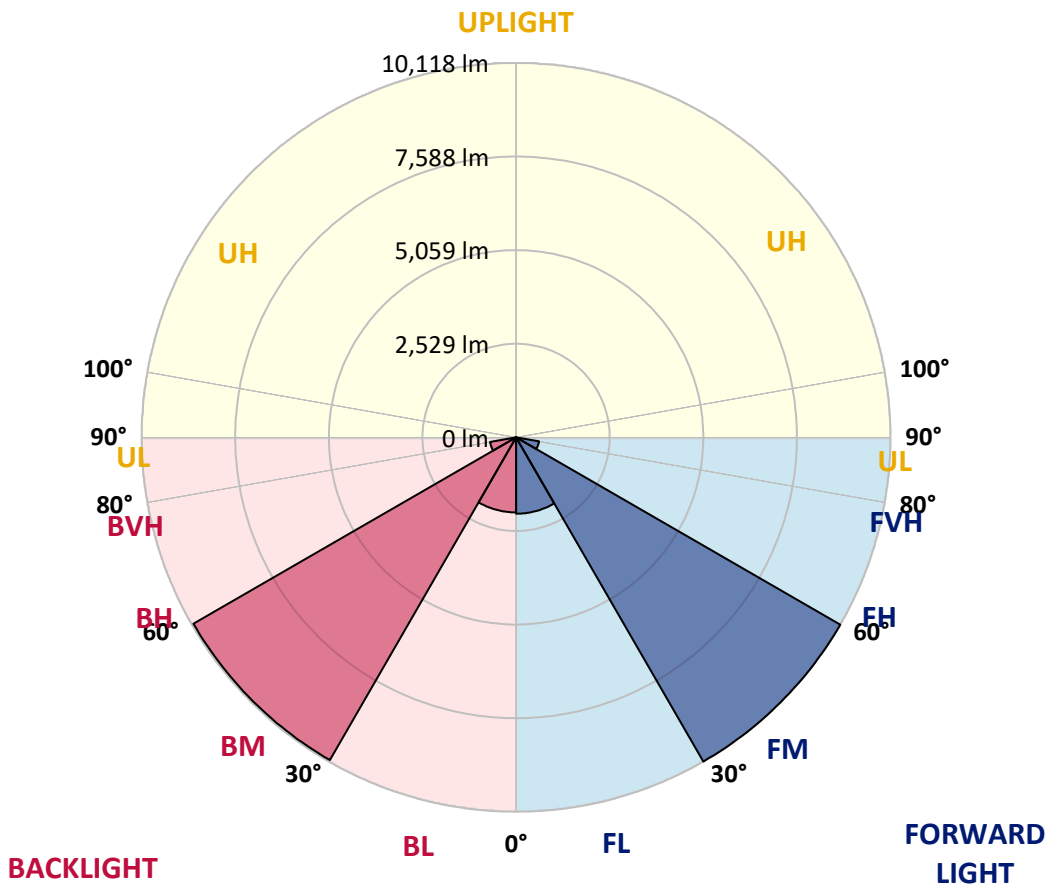
CATALOG NUMBER: GWS-SA6F-830-U-RW-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2064.4	8.1			
FM (30°-60°)	10117.9	39.5			
FH (60°-80°)	630.1	2.5			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	2028.5	7.9	B3/2500		
BM (30°-60°)	10068.7	39.3	B5		
BH (60°-80°)	714.3	2.8	B2/1000		G1/1800
BVH (80°-90°)	0.5	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: P643911

CATALOG NUMBER: GWS-SA6F-830-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	3644.7	3644.7	3644.7	3644.7	3644.7	3644.7	3644.7	3644.7	3644.7	3644.7	3644.7
2.5°	3576.7	3585.2	3596.5	3607.9	3622.0	3636.2	3644.7	3670.2	3664.5	3687.2	3687.2
5°	3537.0	3545.5	3559.7	3585.2	3616.4	3647.5	3670.2	3721.2	3749.6	3794.9	3811.9
7.5°	3556.8	3568.2	3585.2	3624.9	3673.0	3721.2	3746.7	3828.9	3885.6	3970.6	4018.8
10°	3622.0	3633.4	3661.7	3729.7	3792.1	3860.1	3891.3	3996.1	4086.8	4203.0	4271.1
12.5°	3695.7	3709.9	3766.6	3868.6	3976.3	4067.0	4109.5	4225.7	4319.2	4449.6	4557.3
15°	3772.2	3794.9	3882.8	4033.0	4186.0	4307.9	4353.2	4477.9	4571.5	4710.3	4832.2
17.5°	3950.8	3976.3	4075.5	4237.0	4446.8	4588.5	4628.2	4758.5	4829.4	4922.9	5050.4
20°	4174.7	4222.9	4344.7	4540.3	4769.9	4905.9	4934.2	5061.8	5056.1	5095.8	5206.3
22.5°	4452.4	4486.4	4619.7	4852.1	5110.0	5260.2	5325.4	5379.2	5308.4	5274.3	5345.2
25°	4741.5	4781.2	4925.7	5180.8	5469.9	5642.8	5696.6	5739.1	5625.8	5498.2	5506.7
27.5°	5115.6	5144.0	5285.7	5557.8	5846.8	6042.4	6090.6	6164.3	6014.1	5810.0	5753.3
30°	5560.6	5588.9	5739.1	6025.4	6311.6	6478.9	6552.5	6643.2	6478.9	6223.8	6158.6
32.5°	6082.1	6110.4	6303.1	6597.9	6833.1	7014.5	7085.4	7181.7	7051.3	6765.1	6691.4
35°	6705.6	6722.6	6949.3	7269.6	7519.0	7694.7	7742.9	7856.2	7711.7	7425.5	7385.8
37.5°	7428.3	7448.1	7694.7	8066.0	8321.0	8516.6	8593.1	8624.3	8448.6	8128.3	8097.1
40°	8221.8	8287.0	8527.9	8927.6	9213.8	9460.4	9528.4	9423.5	9177.0	8740.5	8683.8
42.5°	9049.4	9106.1	9375.3	9809.0	10140.6	10392.8	10395.6	10168.9	9749.5	9145.8	9060.8
45°	9738.1	9760.8	10109.4	10545.8	10954.0	11132.5	11149.5	10738.6	10106.6	9381.0	9199.6
47.5°	10211.4	10248.3	10551.5	10971.0	11421.6	11583.1	11549.1	11036.2	10276.6	9534.1	9233.6
50°	10217.1	10279.4	10608.2	11013.5	11449.9	11645.5	11597.3	11121.2	10373.0	9539.7	9151.4
52.5°	9313.0	9415.0	9950.7	10537.3	11206.2	11540.6	11552.0	11231.7	10336.1	9449.0	9077.8
55°	7025.8	7136.4	7810.9	8811.4	10103.7	11036.2	11197.7	11101.3	10293.6	9488.7	9208.1
57.5°	3718.4	3633.4	4007.5	4999.4	6623.4	8272.9	8746.2	9517.1	9820.3	9536.9	9449.0
60°	810.6	864.4	1150.7	1550.3	2584.7	3891.3	4353.2	5674.0	7244.1	7941.3	8445.7
62.5°	348.6	342.9	357.1	405.3	592.3	986.3	1204.5	1966.9	3103.4	4262.6	5047.6
65°	286.2	289.1	300.4	300.4	280.6	283.4	297.6	450.6	725.5	1017.5	1366.1
67.5°	215.4	218.2	238.1	243.7	229.6	204.1	201.2	170.0	178.6	223.9	232.4
70°	136.0	136.0	147.4	153.0	153.0	141.7	138.9	121.9	119.0	136.0	153.0
72.5°	73.7	73.7	79.4	82.2	79.4	76.5	76.5	73.7	70.9	82.2	104.9
75°	31.2	31.2	34.0	34.0	31.2	31.2	31.2	31.2	31.2	36.8	56.7
77.5°	5.7	8.5	11.3	8.5	5.7	5.7	5.7	8.5	8.5	11.3	17.0
80°	2.8	2.8	5.7	2.8	0.0	0.0	0.0	0.0	2.8	2.8	2.8
82.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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: P643911

CATALOG NUMBER: GWS-SA6F-830-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3644.7	3644.7	3644.7	3644.7	3644.7	3644.7	3644.7	3644.7	3644.7	3644.7	3644.7
2.5°	3707.1	3675.9	3687.2	3692.9	3684.4	3678.7	3647.5	3639.0	3624.9	3602.2	3596.5
5°	3831.8	3806.3	3803.4	3786.4	3746.7	3698.6	3639.0	3613.5	3585.2	3556.8	3551.2
7.5°	4041.5	4010.3	3990.5	3933.8	3843.1	3766.6	3667.4	3613.5	3576.7	3539.8	3531.3
10°	4310.7	4273.9	4217.2	4112.3	3990.5	3879.9	3763.7	3692.9	3636.2	3585.2	3582.4
12.5°	4597.0	4557.3	4455.3	4322.1	4174.7	4072.7	3925.3	3826.1	3741.1	3664.5	3656.0
15°	4897.4	4849.2	4710.3	4551.6	4415.6	4310.7	4149.2	3990.5	3860.1	3749.6	3738.2
17.5°	5127.0	5067.4	4903.1	4784.0	4673.5	4565.8	4384.4	4174.7	4001.8	3868.6	3837.4
20°	5271.5	5214.8	5058.9	4993.8	4942.7	4866.2	4650.8	4432.6	4239.9	4075.5	4047.2
22.5°	5410.4	5342.4	5206.3	5206.3	5246.0	5214.8	4982.4	4733.0	4506.3	4316.4	4273.9
25°	5566.3	5512.4	5416.0	5495.4	5594.6	5591.8	5353.7	5041.9	4781.2	4568.6	4526.1
27.5°	5793.0	5739.1	5705.1	5855.3	5980.0	5971.5	5710.8	5373.5	5098.6	4888.9	4849.2
30°	6192.6	6141.6	6104.7	6286.1	6444.8	6385.3	6099.1	5773.1	5495.4	5257.3	5229.0
32.5°	6725.4	6671.6	6623.4	6804.8	6946.5	6870.0	6597.9	6291.8	5971.5	5739.1	5682.5
35°	7425.5	7312.1	7263.9	7479.3	7538.8	7453.8	7193.1	6923.8	6583.7	6317.3	6280.5
37.5°	8148.2	8015.0	7980.9	8168.0	8264.4	8233.2	7927.1	7646.5	7278.1	6983.3	6940.8
40°	8766.0	8644.1	8584.6	8876.5	9094.8	9114.6	8839.7	8496.8	8063.1	7757.1	7680.5
42.5°	9128.8	9023.9	9009.7	9463.2	9820.3	10075.4	9746.6	9392.4	8936.1	8590.3	8527.9
45°	9211.0	9142.9	9262.0	9857.2	10412.6	10877.4	10596.9	10222.8	9729.6	9364.0	9304.5
47.5°	9202.5	9179.8	9392.4	10061.2	10764.1	11336.6	11197.7	10775.4	10299.3	9916.7	9860.0
50°	9080.6	9083.4	9437.7	10163.2	10905.8	11461.3	11322.4	10931.3	10506.2	10129.2	10083.9
52.5°	9032.4	9015.4	9352.7	10132.1	11050.3	11404.6	11092.8	10653.5	10180.2	9715.4	9647.4
55°	9202.5	9160.0	9364.0	10106.6	11067.3	11373.4	10551.5	9599.2	8630.0	8080.1	8034.8
57.5°	9457.5	9412.2	9508.6	9919.5	10180.2	9457.5	7765.6	6229.4	5231.8	4809.5	4625.3
60°	8445.7	8414.6	8340.9	7844.9	6728.3	5076.0	3457.7	2205.0	1584.3	1281.0	1281.0
62.5°	5240.3	5197.8	4798.2	3565.4	2590.4	1499.3	824.7	515.8	391.1	365.6	362.8
65°	1470.9	1462.4	1210.2	855.9	544.2	337.3	297.6	303.3	297.6	289.1	286.2
67.5°	221.1	243.7	243.7	198.4	189.9	212.6	249.4	266.4	252.2	238.1	232.4
70°	141.7	153.0	147.4	127.5	136.0	158.7	178.6	181.4	172.9	158.7	155.9
72.5°	99.2	110.5	90.7	82.2	85.0	93.5	102.0	102.0	99.2	93.5	87.9
75°	59.5	59.5	42.5	39.7	39.7	42.5	42.5	48.2	48.2	45.3	42.5
77.5°	19.8	22.7	14.2	11.3	11.3	11.3	14.2	17.0	17.0	14.2	11.3
80°	2.8	5.7	2.8	2.8	2.8	2.8	2.8	2.8	5.7	5.7	2.8
82.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
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)