

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: P636214

Luminaire Tested: GWS-SA3F-735-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636214  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3F-735-U-SL2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

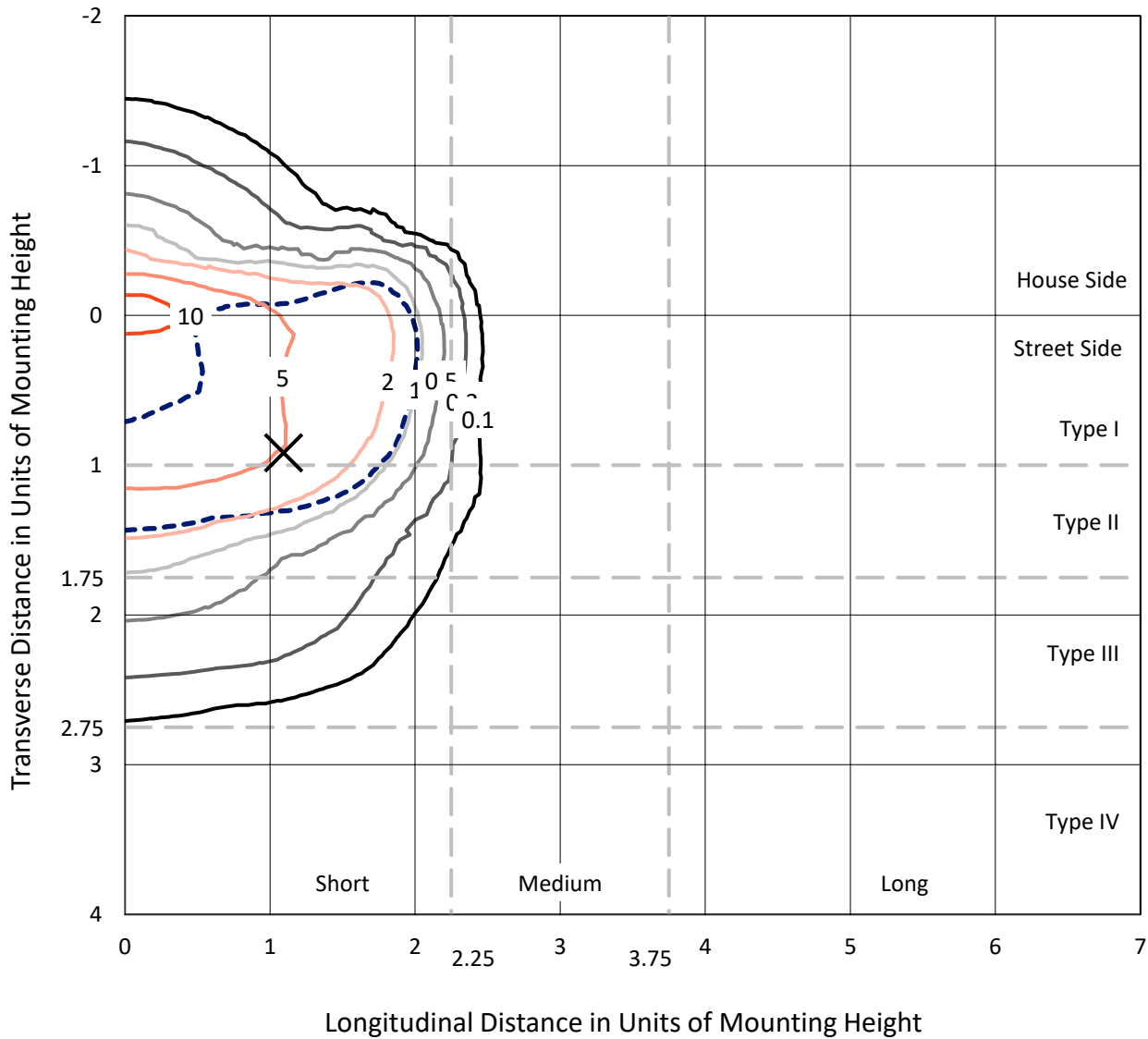
Lumens per Lamp: N/A  
Luminaire Lumens: 14160.4 lumens  
Efficiency: N/A  
Efficacy: 77.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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: P636214  
 CATALOG NUMBER: GWS-SA3F-735-U-SL2-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

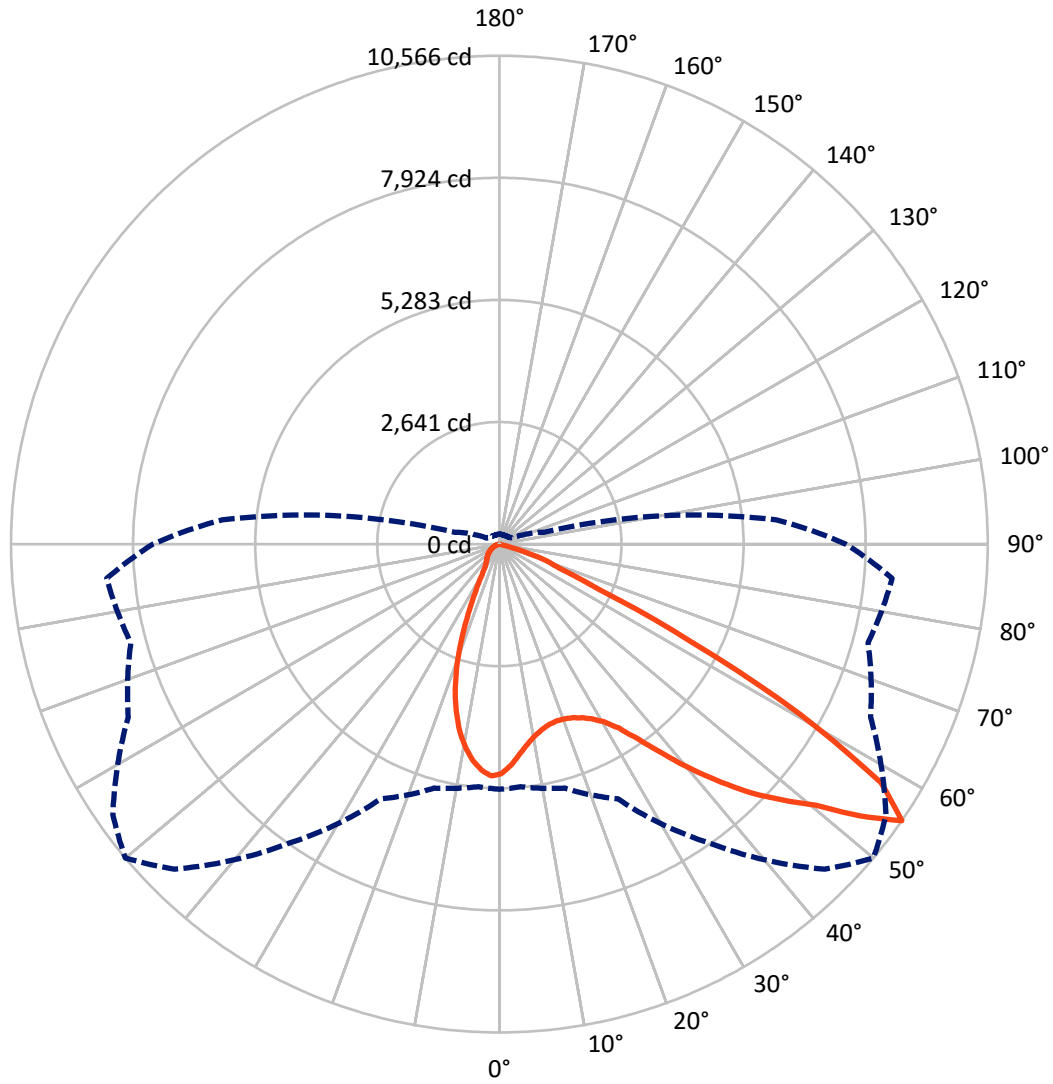
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12.4 fc  
 Type II - Short - N/A

REPORT NUMBER: P636214  
CATALOG NUMBER: GWS-SA3F-735-U-SL2-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P636214

CATALOG NUMBER: GWS-SA3F-735-U-SL2-W-GRSBK

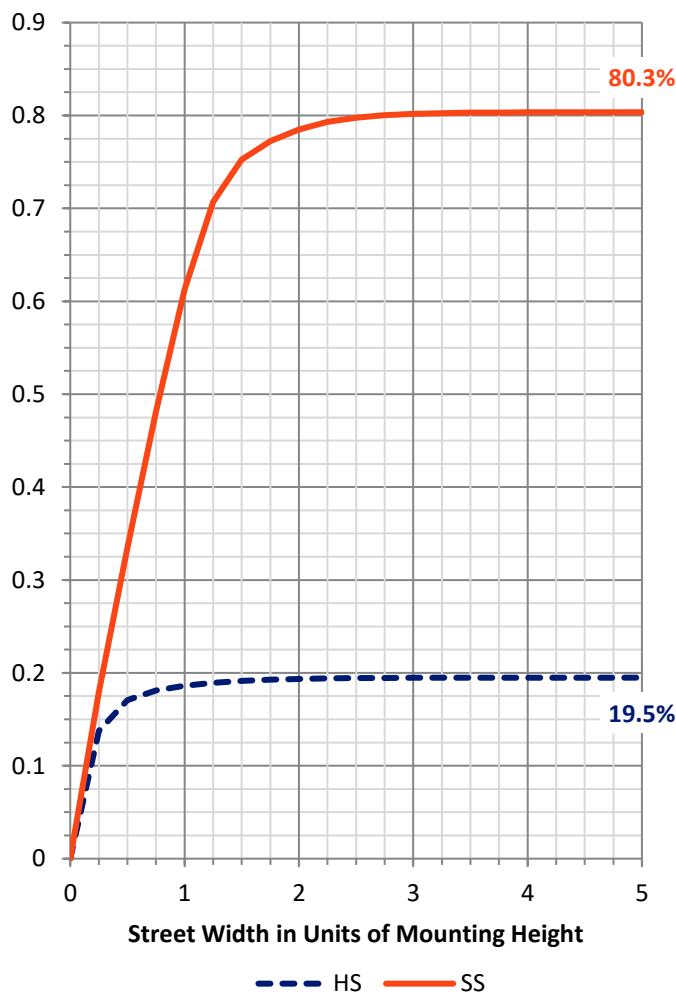
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2790.3	0.0	2790.3
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	11370.1	0.0	11370.1
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	14160.4	0.0	14160.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	436.3	3.1
10°-20°	1073.7	7.6
20°-30°	1514.5	10.7
30°-40°	2241.2	15.8
40°-50°	3233.3	22.8
50°-60°	3813.9	26.9
60°-70°	1701.3	12.0
70°-80°	146.3	1.0
80°-90°	0.1	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°	14160.4	100.0
0°-180°	14160.4	100.0

**Coefficient of Utilization**



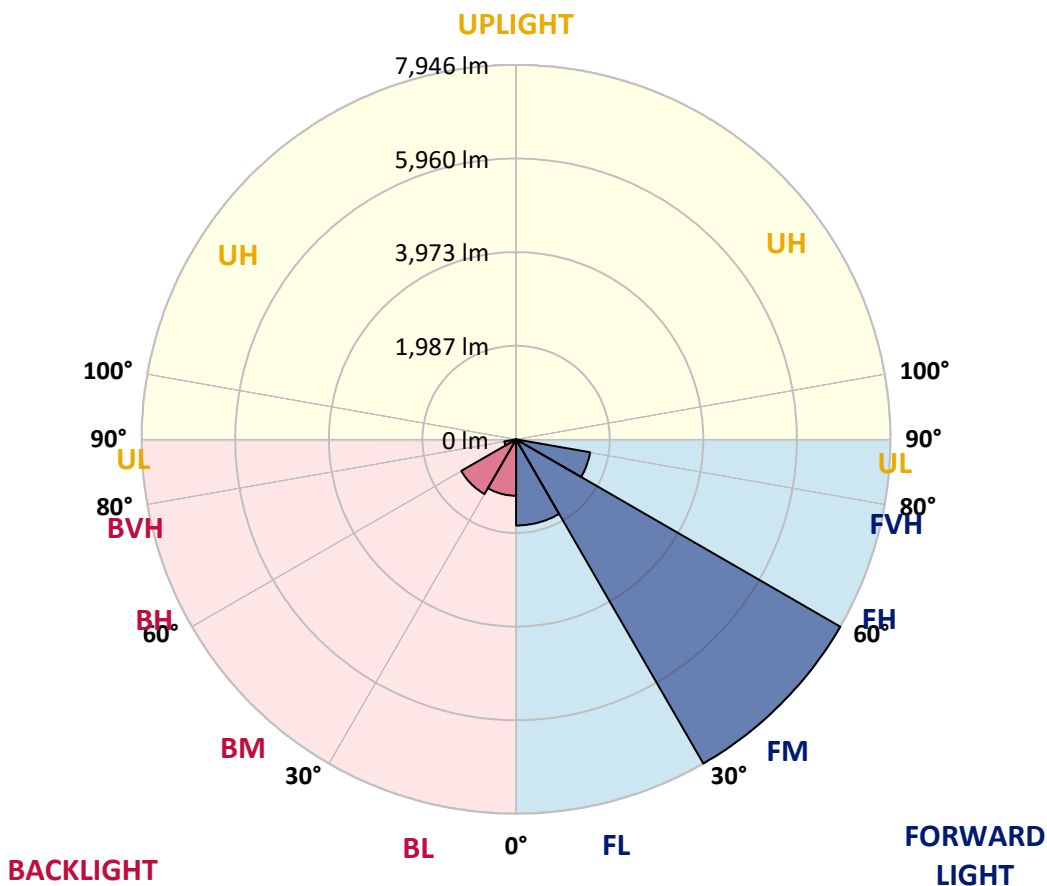
REPORT NUMBER: P636214

CATALOG NUMBER: GWS-SA3F-735-U-SL2-W-GRSBK

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1828.2	12.9			
FM (30°-60°)	7946.4	56.1			
FH (60°-80°)	1595.6	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1196.4	8.4	B3/2500		
BM (30°-60°)	1341.9	9.5	B2/2500		
BH (60°-80°)	251.9	1.8	B1/500		G1/500
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**  
 Type II Short





REPORT NUMBER: P636214

CATALOG NUMBER: GWS-SA3F-735-U-SL2-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4968.3	4968.3	4968.3	4968.3	4968.3	4968.3	4968.3	4968.3	4968.3	4968.3	4968.3
2.5°	4615.6	4619.1	4620.8	4667.5	4684.8	4753.9	4790.2	4809.2	4859.3	4918.1	4966.5
5°	4306.2	4301.0	4309.6	4368.4	4406.4	4508.4	4563.7	4601.8	4712.4	4850.7	4966.5
7.5°	4036.5	4046.9	4057.2	4121.2	4178.2	4288.9	4368.4	4425.4	4579.3	4785.0	4980.4
10°	3846.3	3846.3	3861.9	3934.5	4001.9	4138.5	4218.0	4290.6	4473.9	4726.2	4995.9
12.5°	3706.3	3708.0	3727.1	3810.0	3887.8	4029.6	4112.6	4183.4	4385.7	4667.5	4999.4
15°	3640.6	3635.4	3651.0	3739.2	3825.6	3958.7	4045.1	4114.3	4323.5	4634.6	5016.7
17.5°	3623.3	3619.9	3632.0	3718.4	3806.6	3936.2	4020.9	4090.1	4314.8	4645.0	5068.5
20°	3673.5	3666.6	3661.4	3735.7	3818.7	3946.6	4034.8	4112.6	4356.3	4702.0	5148.0
22.5°	3792.7	3792.7	3780.6	3816.9	3872.3	3988.1	4079.7	4181.7	4465.2	4816.1	5265.6
25°	4012.3	3995.0	3972.5	3988.1	3981.2	4053.8	4162.7	4304.4	4670.9	5004.6	5409.1
27.5°	4263.0	4278.5	4240.5	4242.2	4181.7	4155.8	4282.0	4496.3	4976.9	5270.8	5621.7
30°	4603.5	4591.4	4593.1	4587.9	4447.9	4325.2	4461.7	4747.0	5362.4	5677.0	5898.3
32.5°	4869.7	4887.0	4944.1	4976.9	4793.7	4596.6	4741.8	5087.5	5801.5	6140.3	6237.1
35°	5151.5	5182.6	5298.4	5405.6	5251.8	5025.3	5180.9	5538.7	6214.6	6598.4	6626.1
37.5°	5448.8	5511.1	5649.4	5837.8	5813.6	5613.1	5754.8	6069.4	6539.6	6875.0	6947.6
40°	5789.4	5849.9	6076.3	6347.8	6404.8	6359.9	6406.5	6589.8	6754.0	6887.1	7085.9
42.5°	6162.8	6245.8	6532.7	6895.7	7110.1	7149.9	7041.0	7021.9	6847.3	6748.8	7056.5
45°	6603.6	6700.4	7025.4	7495.6	7836.2	7889.7	7701.3	7457.6	6906.1	6646.8	6968.4
47.5°	7098.0	7189.6	7512.9	8078.2	8584.7	8605.4	8277.0	7884.6	7080.7	6764.4	7035.8
50°	7264.0	7321.0	7601.1	8264.9	9198.4	9357.4	8882.0	8365.1	7431.6	7110.1	7364.2
52.5°	6693.5	6716.0	6959.7	7630.4	9073.9	10095.6	9765.4	9082.5	8055.7	7637.4	7870.7
55°	5303.6	5267.3	5464.4	6079.8	7886.3	9945.2	10565.8	10209.6	8859.5	8256.2	8529.4
57.5°	3709.8	3666.6	3621.6	4038.2	5884.5	8430.8	9736.0	10367.0	9625.3	8869.9	9239.8
60°	3049.4	3007.9	2790.1	2598.2	3557.6	6053.9	7478.3	8665.9	9563.1	8838.8	9217.4
62.5°	2634.5	2610.3	2522.2	2261.1	2093.4	3455.7	4683.0	5820.5	7338.3	6940.7	6961.4
65°	2069.2	2062.3	2122.8	2150.5	1851.4	1911.9	2389.0	3025.2	3967.3	3740.9	3547.3
67.5°	1414.1	1398.5	1512.6	1860.1	1780.6	1509.1	1398.5	1410.6	1716.6	1049.3	833.2
70°	898.9	862.6	864.3	1153.0	1448.6	1191.1	1078.7	949.1	854.0	155.6	176.3
72.5°	575.7	553.2	475.4	520.3	670.7	580.8	586.0	504.8	337.1	83.0	96.8
75°	242.0	223.0	171.1	136.6	134.8	84.7	74.3	69.1	46.7	46.7	50.1
77.5°	1.7	0.0	0.0	1.7	3.5	1.7	1.7	3.5	6.9	10.4	12.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P636214

CATALOG NUMBER: GWS-SA3F-735-U-SL2-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4968.3	4968.3	4968.3	4968.3	4968.3	4968.3	4968.3	4968.3	4968.3	4968.3	4968.3
2.5°	4995.9	4954.4	5001.1	5018.4	5016.7	5018.4	4968.3	4933.7	4932.0	4888.7	4868.0
5°	5014.9	4982.1	5016.7	4994.2	4940.6	4873.2	4783.3	4705.5	4670.9	4620.8	4596.6
7.5°	5051.2	5016.7	5011.5	4921.6	4788.5	4646.7	4487.7	4345.9	4269.9	4178.2	4183.4
10°	5077.2	5037.4	4970.0	4786.7	4565.5	4339.0	4102.2	3891.3	3758.2	3635.4	3614.7
12.5°	5087.5	5028.8	4871.4	4594.9	4283.7	3988.1	3640.6	3339.8	3132.4	2971.6	2949.1
15°	5106.6	5011.5	4745.3	4363.2	3936.2	3517.9	3075.3	2663.9	2389.0	2204.1	2219.6
17.5°	5135.9	4992.5	4603.5	4103.9	3562.8	2971.6	2373.5	1901.6	1649.2	1542.0	1543.7
20°	5177.4	4970.0	4447.9	3818.7	3115.1	2354.5	1659.5	1303.4	1232.6	1229.1	1223.9
22.5°	5232.7	4947.5	4282.0	3505.8	2584.4	1649.2	1104.6	994.0	1023.4	1080.4	1090.8
25°	5298.4	4919.9	4097.0	3153.1	2005.3	1082.2	828.0	810.8	881.6	957.7	975.0
27.5°	5400.4	4906.0	3886.1	2752.1	1407.2	776.2	677.6	688.0	752.0	815.9	831.5
30°	5573.3	4932.0	3656.2	2302.6	904.1	618.9	587.8	603.3	637.9	670.7	684.6
32.5°	5808.4	5008.0	3433.2	1811.7	644.8	537.6	530.7	539.4	553.2	572.2	577.4
35°	6083.3	5139.4	3203.3	1296.5	532.4	490.9	484.0	484.0	490.9	494.4	496.1
37.5°	6309.7	5277.7	2987.2	862.6	477.1	454.6	444.3	439.1	437.4	440.8	442.5
40°	6408.3	5334.7	2752.1	627.5	437.4	421.8	406.2	390.7	390.7	402.8	404.5
42.5°	6339.1	5270.8	2480.7	518.6	409.7	387.2	363.0	349.2	356.1	368.2	371.7
45°	6192.2	5113.5	2181.6	458.1	382.0	352.7	325.0	316.4	323.3	338.8	342.3
47.5°	6168.0	5009.7	1823.8	418.3	352.7	323.3	293.9	285.2	293.9	306.0	309.4
50°	6408.3	5099.6	1426.2	383.8	325.0	292.1	267.9	259.3	264.5	271.4	274.9
52.5°	6847.3	5433.3	1151.3	350.9	292.1	261.0	245.5	235.1	235.1	242.0	243.7
55°	7495.6	6015.8	994.0	312.9	254.1	236.8	223.0	212.6	212.6	216.1	217.8
57.5°	8242.4	6721.1	1030.3	262.8	223.0	214.4	202.3	193.6	197.1	197.1	197.1
60°	8138.7	6669.3	1102.9	221.3	197.1	193.6	183.2	179.8	188.4	181.5	178.1
62.5°	5995.1	4607.0	577.4	181.5	169.4	166.0	159.0	166.0	178.1	159.0	152.1
65°	2911.1	2230.0	231.6	148.7	143.5	140.0	136.6	146.9	153.9	124.5	117.6
67.5°	684.6	556.6	150.4	126.2	119.3	112.4	115.8	117.6	112.4	84.7	81.2
70°	178.1	174.6	117.6	105.5	95.1	88.2	88.2	86.4	74.3	53.6	50.1
72.5°	96.8	95.1	84.7	79.5	65.7	58.8	60.5	53.6	41.5	31.1	29.4
75°	48.4	51.9	48.4	44.9	36.3	32.8	32.8	29.4	20.7	12.1	12.1
77.5°	10.4	12.1	12.1	10.4	8.6	6.9	6.9	8.6	3.5	0.0	0.0
80°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)