

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: P637809

Luminaire Tested: GWS-SA4D-750-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637809  
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-SA4D-750-U-SL2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (64) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

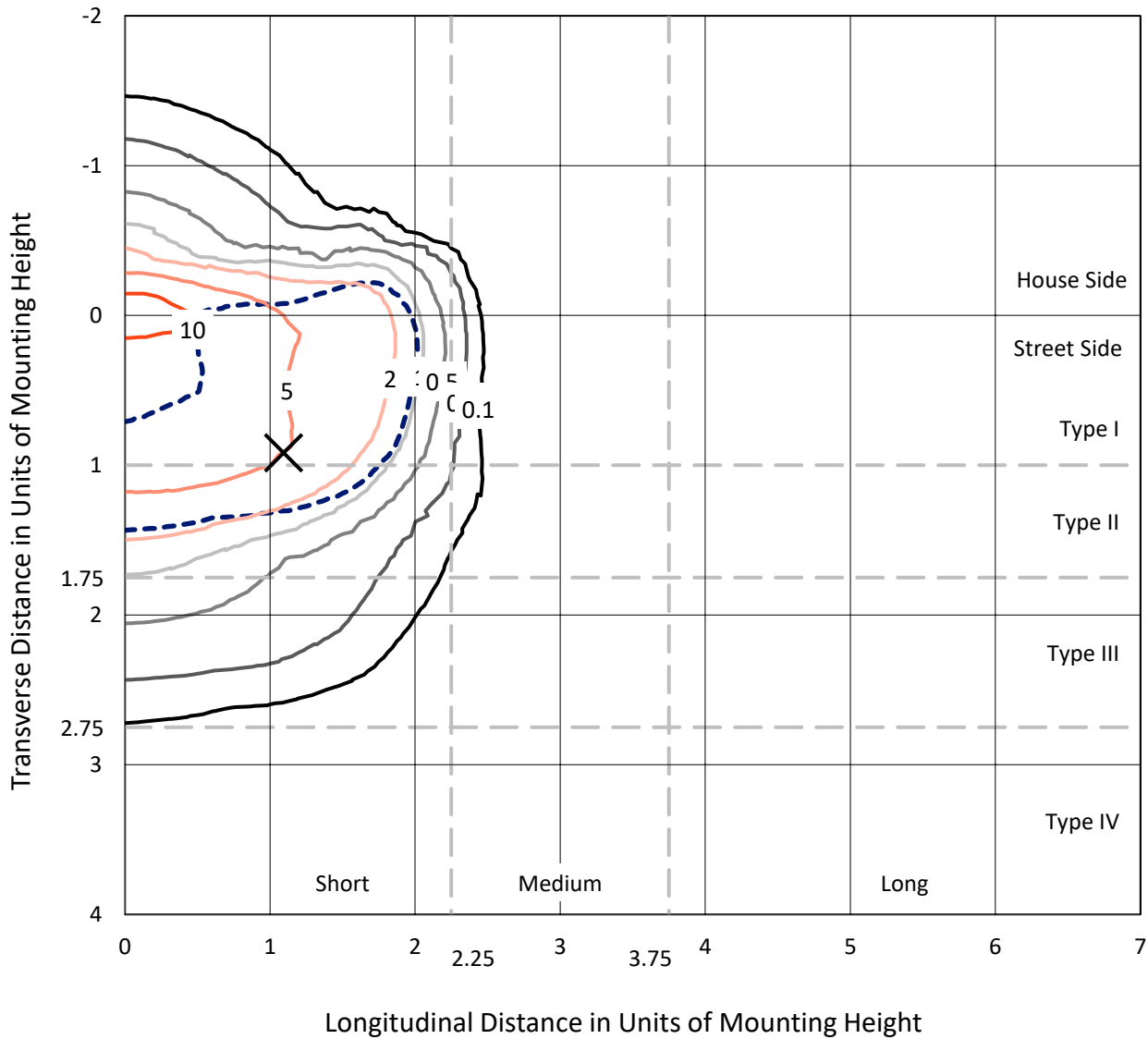
Lumens per Lamp: N/A  
Luminaire Lumens: 14709.2 lumens  
Efficiency: N/A  
Efficacy: 90.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 162.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P637809  
 CATALOG NUMBER: GWS-SA4D-750-U-SL2-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

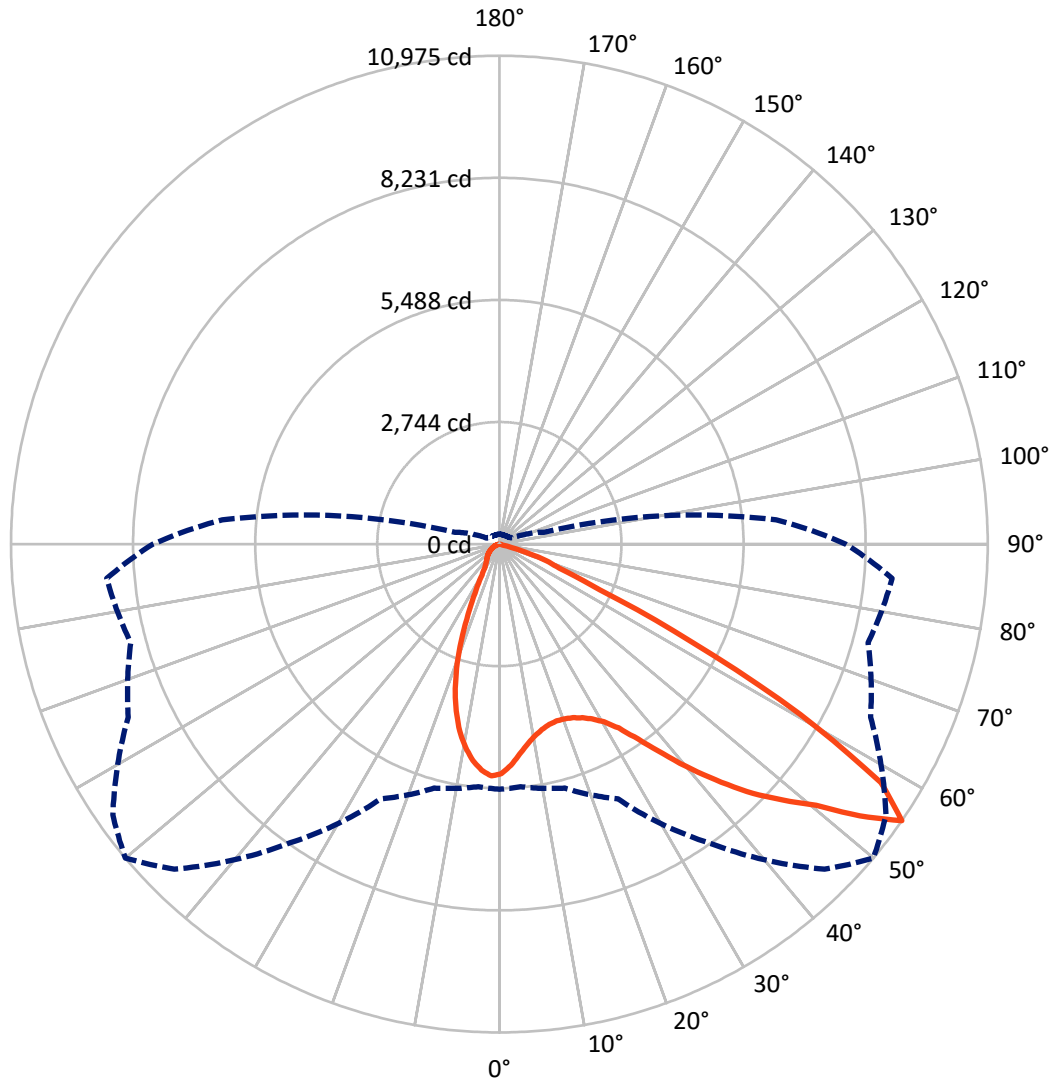
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12.9 fc  
 Type II - Short - N/A

REPORT NUMBER: P637809  
CATALOG NUMBER: GWS-SA4D-750-U-SL2-W-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P637809

CATALOG NUMBER: GWS-SA4D-750-U-SL2-W-GRSBK

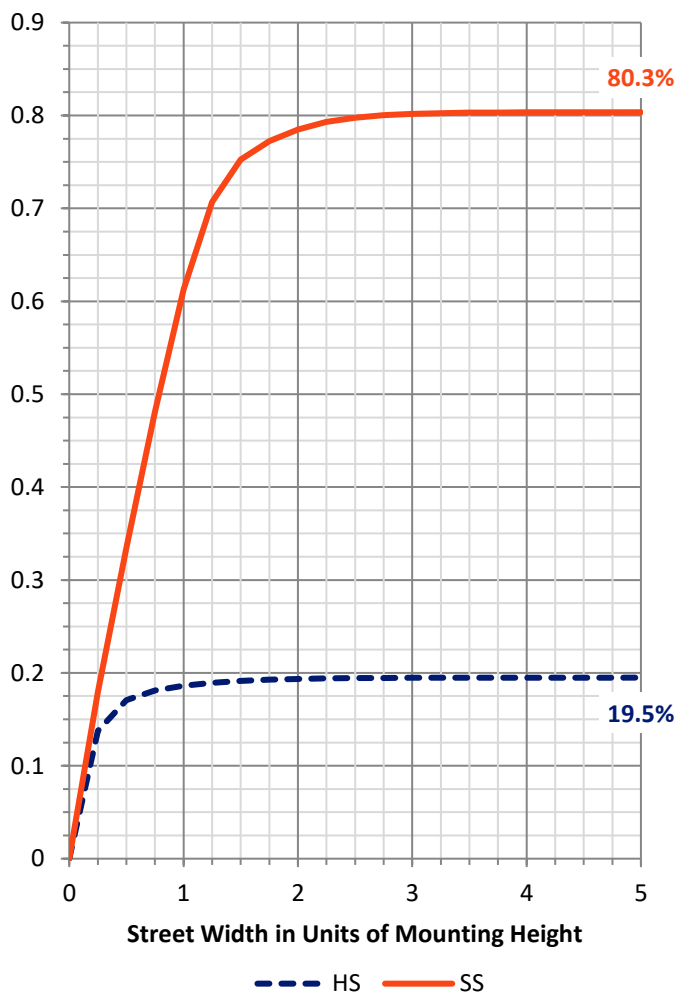
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2898.4	0.0	2898.4
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	11810.8	0.0	11810.8
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	14709.2	0.0	14709.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	453.2	3.1
10°-20°	1115.3	7.6
20°-30°	1573.2	10.7
30°-40°	2328.0	15.8
40°-50°	3358.6	22.8
50°-60°	3961.7	26.9
60°-70°	1767.2	12.0
70°-80°	151.9	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°	14709.2	100.0
0°-180°	14709.2	100.0

**Coefficient of Utilization**



REPORT NUMBER: P637809

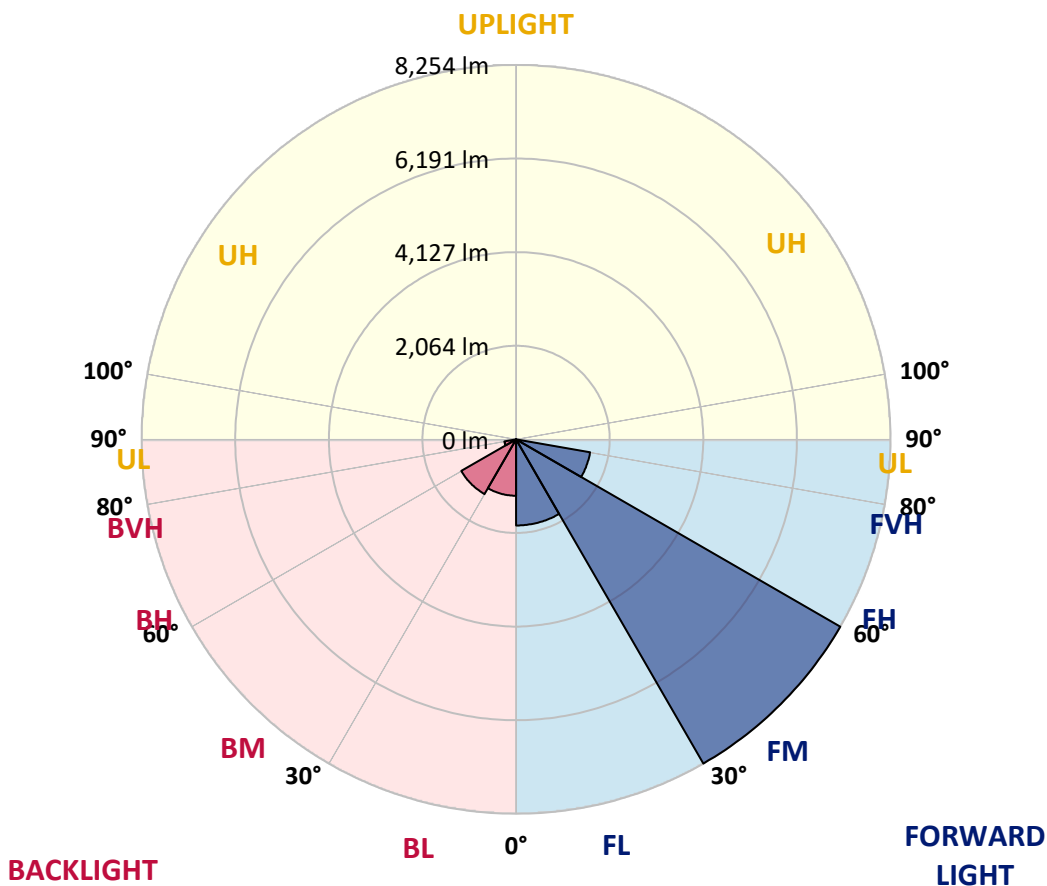
CATALOG NUMBER: GWS-SA4D-750-U-SL2-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1899.0	12.9			
FM (30°-60°)	8254.3	56.1			
FH (60°-80°)	1657.5	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1242.7	8.4	B3/2500		
BM (30°-60°)	1393.9	9.5	B2/2500		
BH (60°-80°)	261.7	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: P637809

CATALOG NUMBER: GWS-SA4D-750-U-SL2-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	5160.8	5160.8	5160.8	5160.8	5160.8	5160.8	5160.8	5160.8	5160.8	5160.8	5160.8
2.5°	4794.5	4798.1	4799.9	4848.4	4866.3	4938.1	4975.8	4995.6	5047.7	5108.7	5159.0
5°	4473.1	4467.7	4476.6	4537.7	4577.2	4683.2	4740.6	4780.1	4895.0	5038.7	5159.0
7.5°	4192.9	4203.7	4214.5	4280.9	4340.2	4455.1	4537.7	4597.0	4756.8	4970.5	5173.4
10°	3995.4	3995.4	4011.6	4087.0	4157.0	4298.9	4381.5	4456.9	4647.2	4909.4	5189.5
12.5°	3850.0	3851.7	3871.5	3957.7	4038.5	4185.7	4271.9	4345.6	4555.7	4848.4	5193.1
15°	3781.7	3776.3	3792.5	3884.1	3973.9	4112.1	4201.9	4273.7	4491.0	4814.2	5211.1
17.5°	3763.8	3760.2	3772.7	3862.5	3954.1	4088.8	4176.8	4248.6	4482.0	4825.0	5265.0
20°	3815.8	3808.7	3803.3	3880.5	3966.7	4099.6	4191.1	4271.9	4525.1	4884.3	5347.6
22.5°	3939.7	3939.7	3927.2	3964.9	4022.3	4142.7	4237.8	4343.8	4638.3	5002.8	5469.7
25°	4167.8	4149.8	4126.5	4142.7	4135.5	4210.9	4324.0	4471.3	4851.9	5198.5	5618.7
27.5°	4428.2	4444.3	4404.8	4406.6	4343.8	4316.8	4447.9	4670.6	5169.8	5475.1	5839.6
30°	4781.9	4769.3	4771.1	4765.8	4620.3	4492.8	4634.7	4931.0	5570.2	5897.0	6126.9
32.5°	5058.5	5076.4	5135.7	5169.8	4979.4	4774.7	4925.6	5284.7	6026.3	6378.3	6478.8
35°	5351.1	5383.5	5503.8	5615.1	5455.3	5220.1	5381.7	5753.4	6455.5	6854.1	6882.9
37.5°	5660.0	5724.7	5868.3	6064.0	6038.9	5830.6	5977.8	6304.7	6793.1	7141.4	7216.9
40°	6013.8	6076.6	6311.8	6593.8	6653.0	6606.3	6654.8	6845.2	7015.8	7154.0	7360.5
42.5°	6401.6	6487.8	6785.9	7163.0	7385.7	7427.0	7313.8	7294.1	7112.7	7010.4	7330.0
45°	6859.5	6960.1	7297.7	7786.1	8139.9	8195.5	7999.8	7746.6	7173.8	6904.4	7238.4
47.5°	7373.1	7468.3	7804.1	8391.2	8917.4	8938.9	8597.8	8190.1	7355.1	7026.5	7308.4
50°	7545.5	7604.7	7895.6	8585.2	9554.9	9720.1	9226.2	8689.3	7719.7	7385.7	7649.6
52.5°	6952.9	6976.2	7229.4	7926.2	9425.6	10486.8	10143.8	9434.5	8367.9	7933.3	8175.8
55°	5509.2	5471.5	5676.2	6315.4	8191.9	10330.6	10975.2	10605.3	9202.9	8576.2	8859.9
57.5°	3853.5	3808.7	3762.0	4194.7	6112.5	8757.6	10113.3	10768.7	9998.4	9213.7	9597.9
60°	3167.6	3124.5	2898.2	2698.9	3695.5	6288.5	7768.1	9001.8	9933.7	9181.3	9574.6
62.5°	2736.6	2711.5	2619.9	2348.8	2174.6	3589.6	4864.5	6046.1	7622.7	7209.7	7231.2
65°	2149.4	2142.3	2205.1	2233.8	1923.2	1986.0	2481.6	3142.5	4121.1	3885.9	3684.8
67.5°	1468.9	1452.7	1571.2	1932.2	1849.6	1567.6	1452.7	1465.3	1783.1	1090.0	865.5
70°	933.8	896.0	897.8	1197.7	1504.8	1237.2	1120.5	985.8	887.1	161.6	183.2
72.5°	598.0	574.6	493.8	540.5	696.7	603.4	608.7	524.3	350.2	86.2	100.6
75°	251.4	231.6	177.8	141.9	140.1	88.0	77.2	71.8	48.5	48.5	52.1
77.5°	1.8	0.0	0.0	1.8	3.6	1.8	1.8	3.6	7.2	10.8	12.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
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: P637809

CATALOG NUMBER: GWS-SA4D-750-U-SL2-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5160.8	5160.8	5160.8	5160.8	5160.8	5160.8	5160.8	5160.8	5160.8	5160.8	5160.8
2.5°	5189.5	5146.4	5194.9	5212.9	5211.1	5212.9	5160.8	5124.9	5123.1	5078.2	5056.7
5°	5209.3	5175.2	5211.1	5187.7	5132.1	5062.0	4968.7	4887.9	4851.9	4799.9	4774.7
7.5°	5247.0	5211.1	5205.7	5112.3	4974.1	4826.8	4661.6	4514.4	4435.3	4340.2	4345.6
10°	5273.9	5232.6	5162.6	4972.3	4742.4	4507.2	4261.2	4042.1	3903.8	3776.3	3754.8
12.5°	5284.7	5223.7	5060.2	4772.9	4449.7	4142.7	3781.7	3469.3	3253.8	3086.8	3063.4
15°	5304.5	5205.7	4929.2	4532.3	4088.8	3654.2	3194.5	2767.2	2481.6	2289.5	2305.7
17.5°	5335.0	5185.9	4781.9	4263.0	3700.9	3086.8	2465.5	1975.3	1713.1	1601.8	1603.5
20°	5378.1	5162.6	4620.3	3966.7	3235.8	2445.7	1723.9	1353.9	1280.3	1276.7	1271.3
22.5°	5435.5	5139.3	4447.9	3641.7	2684.6	1713.1	1147.4	1032.5	1063.0	1122.3	1133.1
25°	5503.8	5110.5	4255.8	3275.3	2083.0	1124.1	860.1	842.2	915.8	994.8	1012.8
27.5°	5609.7	5096.2	4036.7	2858.7	1461.7	806.3	703.9	714.7	781.1	847.6	863.7
30°	5789.3	5123.1	3797.9	2391.9	939.1	642.9	610.5	626.7	662.6	696.7	711.1
32.5°	6033.5	5202.1	3566.2	1881.9	669.8	558.5	551.3	560.3	574.6	594.4	599.8
35°	6319.0	5338.6	3327.4	1346.8	553.1	510.0	502.8	502.8	510.0	513.6	515.4
37.5°	6554.3	5482.2	3102.9	896.0	495.6	472.3	461.5	456.1	454.3	457.9	459.7
40°	6656.6	5541.5	2858.7	651.8	454.3	438.1	422.0	405.8	405.8	418.4	420.2
42.5°	6584.8	5475.1	2576.8	538.7	425.6	402.2	377.1	362.7	369.9	382.5	386.1
45°	6432.2	5311.6	2266.2	475.9	396.8	366.3	337.6	328.6	335.8	352.0	355.5
47.5°	6407.0	5203.9	1894.5	434.6	366.3	335.8	305.3	296.3	305.3	317.8	321.4
50°	6656.6	5297.3	1481.4	398.6	337.6	303.5	278.3	269.4	274.7	281.9	285.5
52.5°	7112.7	5643.8	1195.9	364.5	303.5	271.1	255.0	244.2	244.2	251.4	253.2
55°	7786.1	6249.0	1032.5	325.0	264.0	246.0	231.6	220.9	220.9	224.5	226.3
57.5°	8561.8	6981.6	1070.2	272.9	231.6	222.7	210.1	201.1	204.7	204.7	204.7
60°	8454.1	6927.8	1145.6	229.8	204.7	201.1	190.3	186.8	195.7	188.5	185.0
62.5°	6227.4	4785.5	599.8	188.5	176.0	172.4	165.2	172.4	185.0	165.2	158.0
65°	3023.9	2316.4	240.6	154.4	149.0	145.5	141.9	152.6	159.8	129.3	122.1
67.5°	711.1	578.2	156.2	131.1	123.9	116.7	120.3	122.1	116.7	88.0	84.4
70°	185.0	181.4	122.1	109.5	98.8	91.6	91.6	89.8	77.2	55.7	52.1
72.5°	100.6	98.8	88.0	82.6	68.2	61.1	62.8	55.7	43.1	32.3	30.5
75°	50.3	53.9	50.3	46.7	37.7	34.1	34.1	30.5	21.5	12.6	12.6
77.5°	10.8	12.6	12.6	10.8	9.0	7.2	7.2	9.0	3.6	0.0	0.0
80°	1.8	1.8	1.8	1.8	1.8	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)