

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: P643782

Luminaire Tested: GWS-SA6F-750-U-T3R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643782  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6F-750-U-T3R-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

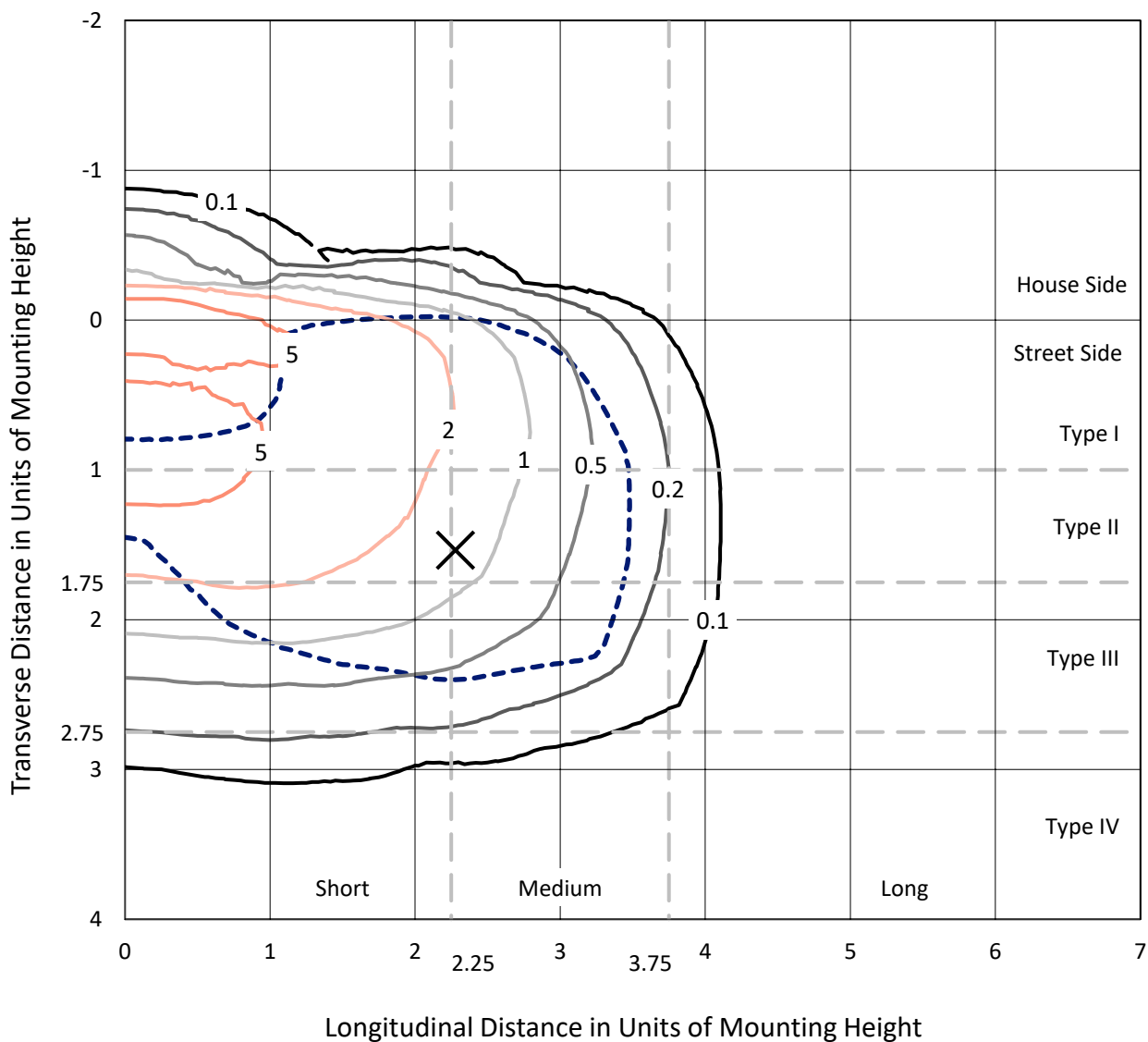
Lumens per Lamp: N/A  
Luminaire Lumens: 39854 lumens  
Efficiency: N/A  
Efficacy: 107.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 372.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P643782  
 CATALOG NUMBER: GWS-SA6F-750-U-T3R-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

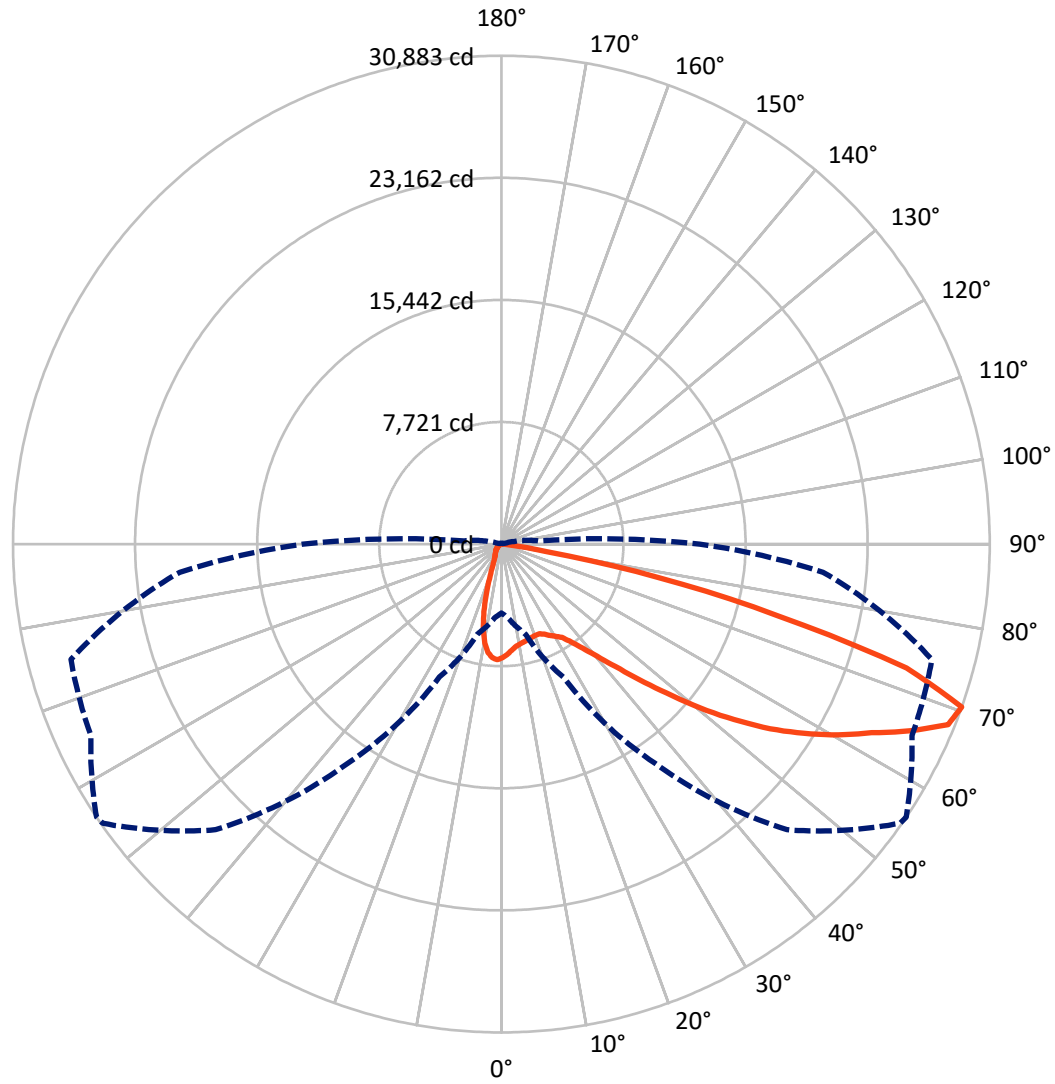
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.4 fc  
 Type III - Medium - N/A

REPORT NUMBER: P643782  
CATALOG NUMBER: GWS-SA6F-750-U-T3R-W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P643782  
 CATALOG NUMBER: GWS-SA6F-750-U-T3R-W-HSS

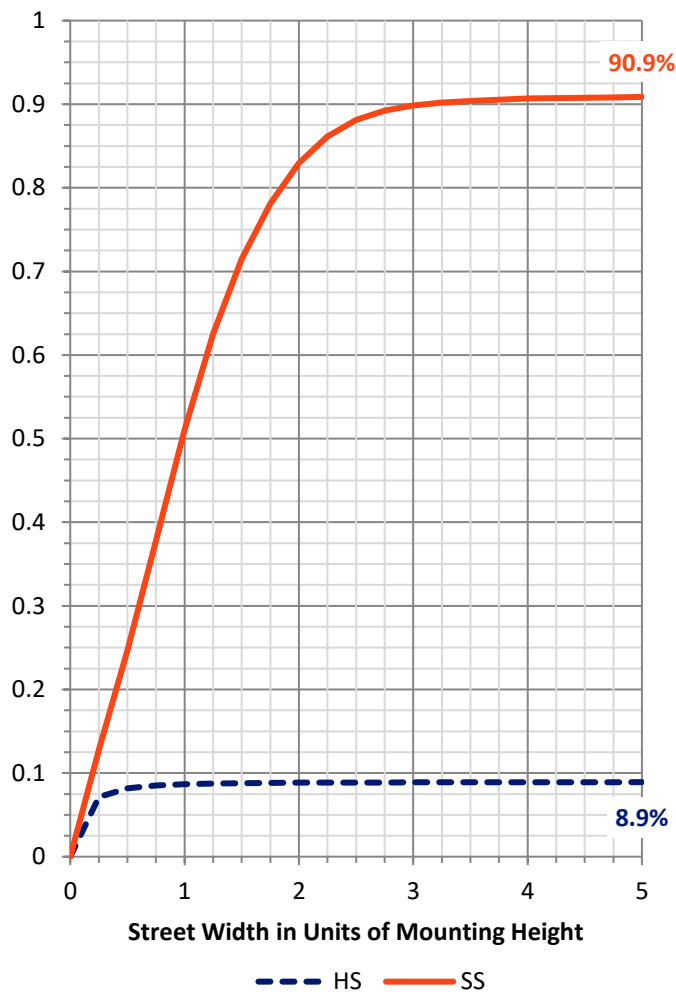
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3579.6	0.0	3579.6
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	36274.3	0.0	36274.3
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	39854.0	0.0	39854.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	617.0	1.5
10°-20°	1387.7	3.5
20°-30°	2198.1	5.5
30°-40°	3790.6	9.5
40°-50°	6401.0	16.1
50°-60°	9405.1	23.6
60°-70°	11150.3	28.0
70°-80°	4754.9	11.9
80°-90°	149.3	0.4
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°	39854.0	100.0
0°-180°	39854.0	100.0

**Coefficient of Utilization**



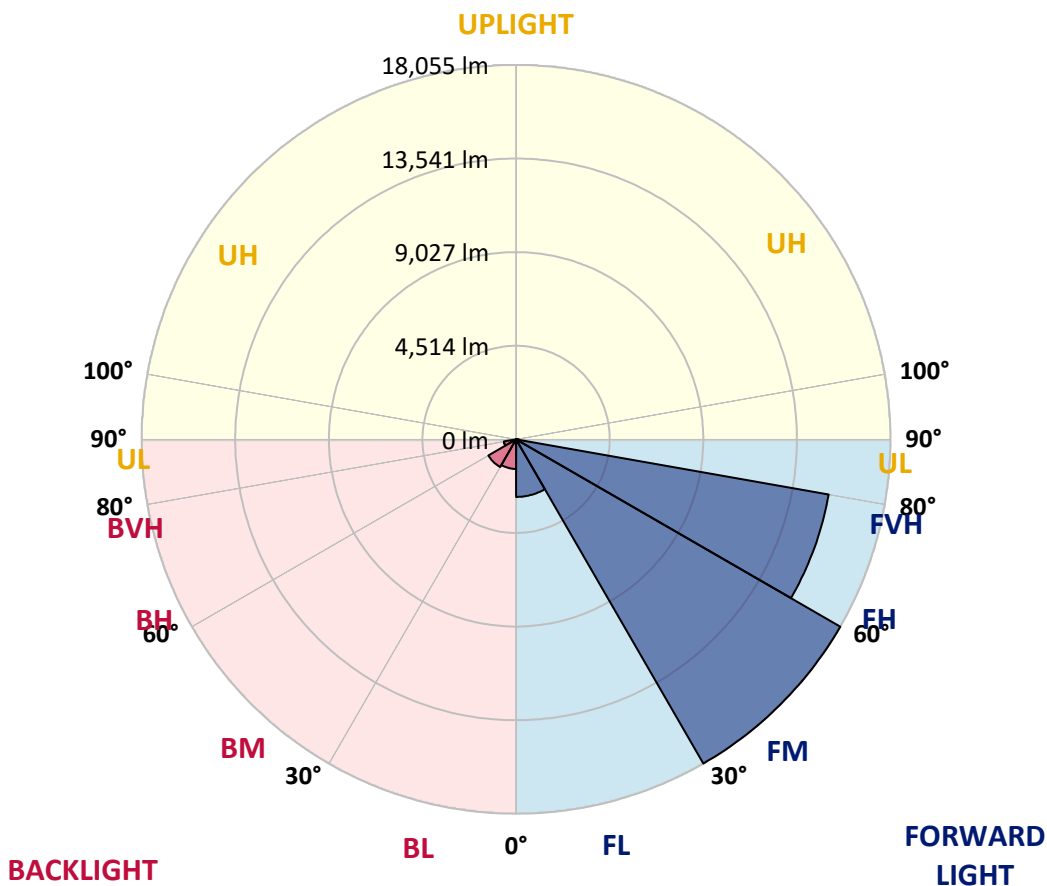
REPORT NUMBER: P643782

CATALOG NUMBER: GWS-SA6F-750-U-T3R-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2777.1	7.0			
FM (30°-60°)	18054.9	45.3			
FH (60°-80°)	15308.2	38.4			G5
FVH (80°-90°)	134.1	0.3			G2/225
BL (0°-30°)	1425.6	3.6	B3/2500		
BM (30°-60°)	1541.8	3.9	B2/2500		
BH (60°-80°)	597.0	1.5	B2/1000		G2/1000
BVH (80°-90°)	15.2	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type III Medium





REPORT NUMBER: P643782

CATALOG NUMBER: GWS-SA6F-750-U-T3R-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	7186.1	7186.1	7186.1	7186.1	7186.1	7186.1	7186.1	7186.1	7186.1	7186.1	7186.1
2.5°	6689.7	6678.8	6686.1	6740.8	6843.0	6890.5	6970.8	6985.3	7051.0	7135.0	7167.8
5°	6255.4	6218.9	6237.2	6313.8	6430.6	6562.0	6711.6	6751.8	6916.0	7102.1	7240.8
7.5°	5857.6	5817.5	5861.3	5981.7	6145.9	6288.3	6510.9	6536.4	6799.2	7127.7	7379.5
10°	5233.5	5244.5	5332.1	5543.8	5795.6	6091.2	6390.5	6427.0	6751.8	7211.6	7602.1
12.5°	4755.4	4729.9	4824.8	5065.7	5419.7	5850.3	6299.2	6346.7	6755.4	7339.4	7886.8
15°	4532.8	4525.5	4565.7	4740.8	5083.9	5591.2	6215.3	6277.3	6802.9	7456.1	8156.9
17.5°	4540.1	4529.2	4525.5	4627.7	4883.2	5397.8	6124.0	6204.3	6843.0	7583.9	8441.5
20°	4857.6	4806.5	4715.3	4667.8	4821.1	5273.7	6062.0	6153.2	6901.4	7718.9	8744.5
22.5°	5521.9	5540.1	5295.6	5040.1	4967.1	5288.3	6054.7	6160.5	7029.1	7930.6	9116.7
25°	6850.3	6821.1	6368.6	5795.6	5397.8	5456.2	6182.4	6310.2	7281.0	8233.5	9467.1
27.5°	8514.5	8540.1	7919.6	7007.2	6175.1	5802.9	6416.0	6543.7	7572.9	8423.3	9700.7
30°	10328.4	10302.8	9638.6	8627.7	7277.3	6379.5	6649.6	6762.7	7718.9	8525.5	9941.5
32.5°	12043.7	11985.3	11328.4	10270.0	8682.4	7288.3	6970.8	7036.4	7912.3	8748.1	10266.3
35°	13507.2	13503.5	12930.6	11802.8	10127.7	8426.9	7521.8	7576.6	8273.7	9102.1	10744.4
37.5°	15018.1	14967.0	14324.7	13295.5	11613.1	9675.1	8364.9	8343.0	8843.0	9624.0	11332.0
40°	16259.0	16226.2	15733.5	14744.4	13156.8	11054.7	9386.8	9321.1	9518.2	10346.6	12149.5
42.5°	17178.7	17182.4	17029.1	16426.9	14791.9	12649.5	10671.5	10569.3	10565.6	11437.9	13229.8
45°	17875.8	17923.2	18153.1	18061.9	16722.5	14507.2	12317.4	12211.6	12032.8	12853.9	14467.0
47.5°	18200.6	18262.6	18956.1	19321.0	18412.3	16350.2	14277.3	14054.6	13704.3	14737.1	15850.2
50°	18167.7	18277.2	19244.4	20353.9	19945.1	18218.8	16412.3	16306.4	15733.5	16729.8	17218.8
52.5°	17423.2	17656.8	19262.6	20981.6	21123.9	19941.5	18620.3	18423.2	18145.8	18810.1	18503.5
55°	15401.3	15686.0	18492.6	21182.3	22043.6	21445.1	20780.9	20620.3	20160.4	20773.6	19623.9
57.5°	14302.8	14547.3	16872.1	21083.8	22824.6	22835.6	22704.2	22572.8	22193.3	22715.2	20937.8
60°	13642.2	13886.8	16007.2	20722.5	23532.7	24302.7	24510.8	24496.2	23948.7	24923.2	22477.9
62.5°	12675.1	13010.9	15105.7	19784.5	24036.3	25748.0	26375.7	26277.2	25667.7	27222.4	24003.5
65°	10722.5	11014.5	13259.0	18237.1	23740.7	26945.1	28397.6	28448.7	27744.3	29386.6	25207.8
67.5°	7518.2	7733.5	9963.4	14988.9	21733.4	27339.2	30466.9	30463.3	29262.6	30496.1	24675.0
70°	4357.6	4653.2	5886.8	9266.4	16908.6	25547.3	30777.1	30883.0	28645.8	28178.6	20419.6
72.5°	1686.1	1930.6	3335.7	4923.3	8817.5	19569.2	26474.3	26784.5	23974.3	21737.1	14211.6
75°	503.6	562.0	1569.3	2620.4	3540.1	9452.5	17923.2	18010.8	16445.1	13558.3	7284.6
77.5°	375.9	416.1	686.1	1324.8	1240.9	2864.9	9273.7	10127.7	8729.9	4843.0	2007.3
80°	255.5	302.9	489.0	646.0	459.9	762.8	2605.8	2861.3	2664.2	1087.6	503.6
82.5°	113.1	146.0	346.7	324.8	167.9	219.0	802.9	854.0	551.1	328.5	175.2
85°	10.9	14.6	131.4	142.3	62.0	51.1	167.9	167.9	120.4	113.1	73.0
87.5°	0.0	0.0	3.6	7.3	7.3	10.9	14.6	18.2	21.9	29.2	36.5
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: P643782  
 CATALOG NUMBER: GWS-SA6F-750-U-T3R-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7186.1	7186.1	7186.1	7186.1	7186.1	7186.1	7186.1	7186.1	7186.1	7186.1	7186.1
2.5°	7251.8	7208.0	7262.7	7306.5	7317.5	7237.2	7189.7	7120.4	7105.8	7109.4	7091.2
5°	7350.3	7328.4	7368.6	7321.1	7197.0	6963.5	6762.7	6540.1	6419.7	6350.3	6343.0
7.5°	7532.8	7521.8	7478.0	7262.7	6875.9	6357.6	5857.6	5368.6	5065.7	4956.2	4937.9
10°	7802.9	7781.0	7602.1	7091.2	6266.4	5270.0	4430.6	3729.9	3302.9	3178.8	3025.5
12.5°	8113.1	8069.3	7678.8	6722.6	5346.7	3967.1	2919.7	2135.0	1766.4	1656.9	1656.9
15°	8412.3	8317.5	7635.0	6113.1	4215.3	2580.3	1631.4	1233.6	1120.4	1091.2	1091.2
17.5°	8718.9	8536.4	7463.4	5281.0	2912.4	1525.5	1087.6	1010.9	996.3	1000.0	1003.6
20°	9007.2	8722.6	7160.5	4281.0	1857.7	1065.7	974.4	956.2	948.9	956.2	952.5
22.5°	9321.1	8894.1	6700.7	3189.8	1208.0	959.8	927.0	912.4	905.1	916.1	916.1
25°	9631.3	9018.2	6091.2	2146.0	959.8	894.2	875.9	861.3	854.0	857.7	857.7
27.5°	9791.9	8970.7	5291.9	1368.6	861.3	828.5	810.2	792.0	781.0	777.4	781.0
30°	9901.4	8824.8	4313.8	974.4	781.0	740.9	722.6	708.0	678.8	660.6	667.9
32.5°	10072.9	8678.8	3251.8	817.5	715.3	653.3	624.1	587.6	547.4	529.2	529.2
35°	10277.3	8478.0	2281.0	737.2	646.0	580.3	525.5	463.5	416.1	401.5	401.5
37.5°	10547.4	8288.3	1518.2	682.5	587.6	518.2	441.6	368.6	317.5	310.2	306.6
40°	10952.5	8127.7	1069.3	642.3	536.5	452.6	361.3	284.7	248.2	237.2	237.2
42.5°	11478.0	7963.4	846.7	602.2	492.7	390.5	288.3	226.3	197.1	189.8	186.1
45°	12127.6	7770.0	737.2	565.7	448.9	324.8	229.9	189.8	167.9	160.6	160.6
47.5°	12832.0	7507.2	686.1	518.2	397.8	262.8	193.4	164.2	153.3	149.6	146.0
50°	13525.4	7153.2	642.3	474.4	339.4	215.3	167.9	149.6	142.3	138.7	138.7
52.5°	14131.3	6740.8	587.6	423.4	277.4	186.1	149.6	138.7	131.4	124.1	120.4
55°	14649.5	6291.9	518.2	365.0	226.3	164.2	138.7	127.7	120.4	113.1	109.5
57.5°	15317.4	6036.5	416.1	295.6	186.1	146.0	127.7	116.8	109.5	98.5	98.5
60°	16058.3	5850.3	310.2	233.6	160.6	135.0	116.8	105.8	98.5	87.6	87.6
62.5°	16653.2	5573.0	244.5	189.8	138.7	120.4	105.8	94.9	87.6	76.6	76.6
65°	16879.4	5000.0	200.7	149.6	113.1	105.8	94.9	87.6	76.6	65.7	65.7
67.5°	15857.5	3854.0	167.9	120.4	94.9	91.2	83.9	80.3	65.7	58.4	54.7
70°	12558.3	2350.3	138.7	98.5	80.3	76.6	76.6	69.3	58.4	54.7	51.1
72.5°	8605.8	1211.7	113.1	80.3	69.3	69.3	65.7	62.0	54.7	51.1	51.1
75°	4470.8	405.1	87.6	62.0	54.7	58.4	58.4	54.7	51.1	51.1	47.4
77.5°	1281.0	182.5	65.7	47.4	43.8	43.8	47.4	47.4	47.4	43.8	43.8
80°	332.1	105.8	47.4	36.5	36.5	36.5	36.5	40.1	43.8	40.1	40.1
82.5°	135.0	58.4	32.8	29.2	29.2	29.2	29.2	32.8	36.5	36.5	36.5
85°	83.9	29.2	25.5	25.5	25.5	21.9	21.9	25.5	25.5	29.2	29.2
87.5°	51.1	21.9	21.9	21.9	21.9	18.2	18.2	18.2	18.2	18.2	18.2
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)