

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: P638306

Luminaire Tested: GWS-SA4E-750-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P638306
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4E-750-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24815.1 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G4

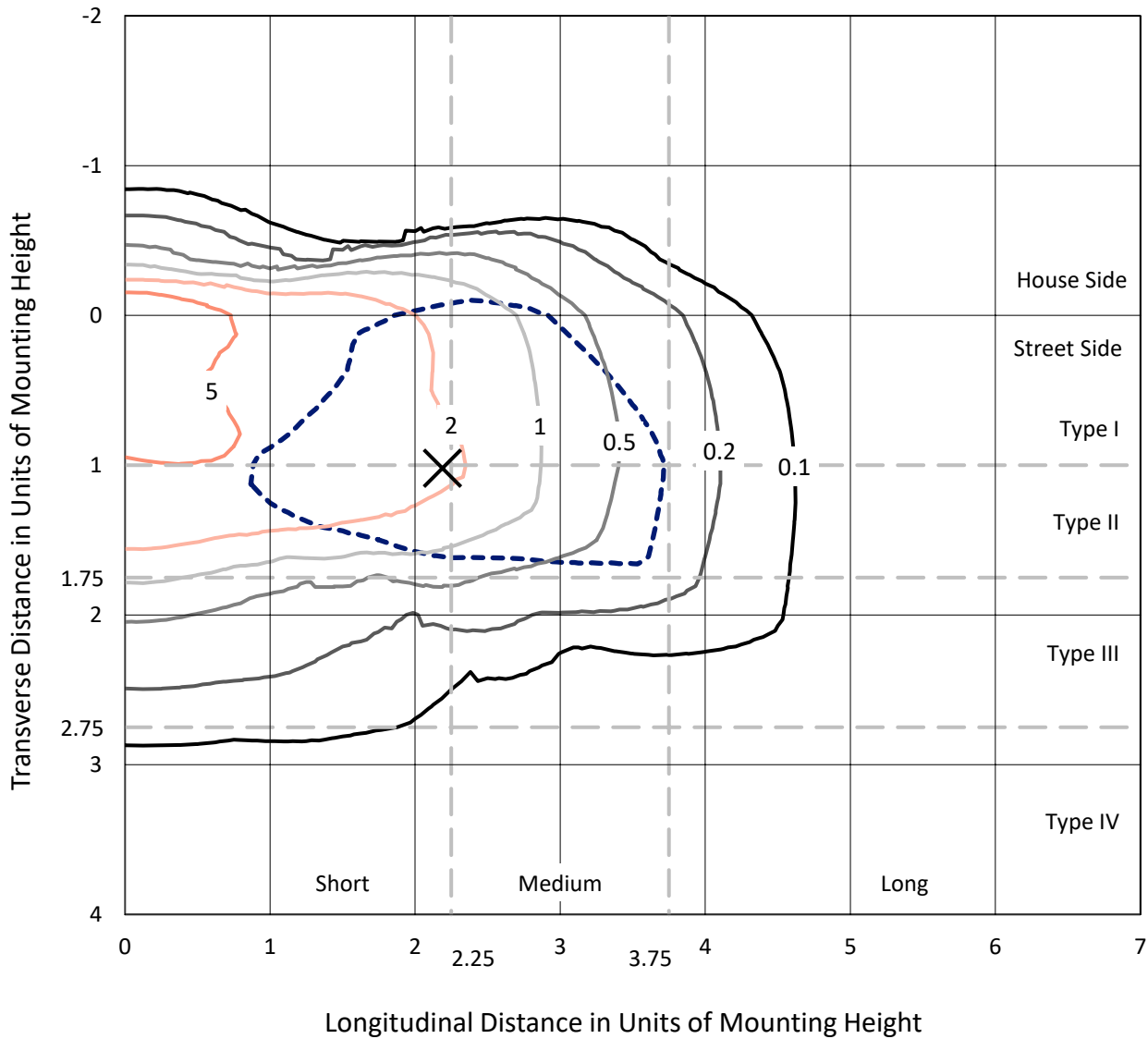
Input Watts (W): 202.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P638306
 CATALOG NUMBER: GWS-SA4E-750-U-SL2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

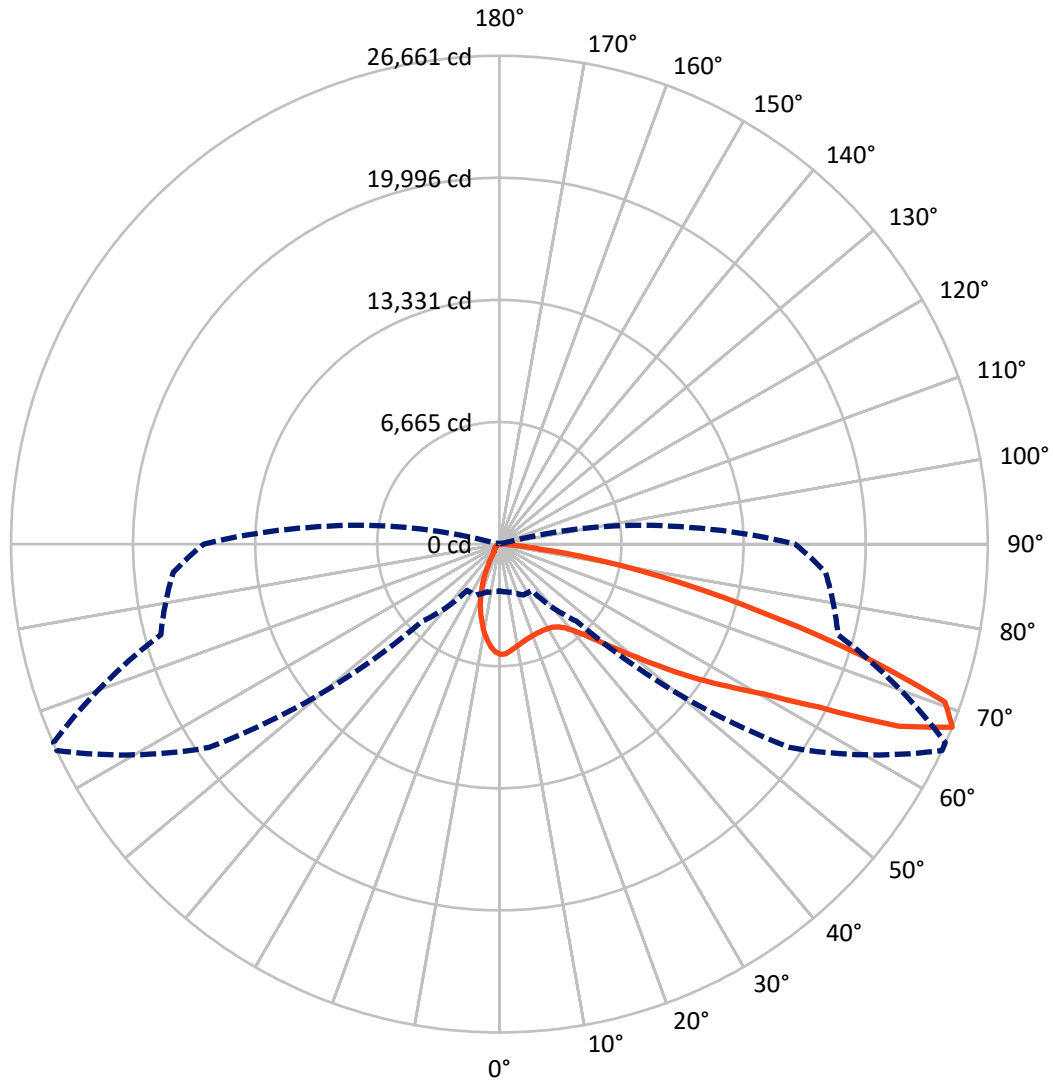
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type II - Short - N/A

REPORT NUMBER: P638306
CATALOG NUMBER: GWS-SA4E-750-U-SL2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P638306
 CATALOG NUMBER: GWS-SA4E-750-U-SL2-W-HSS

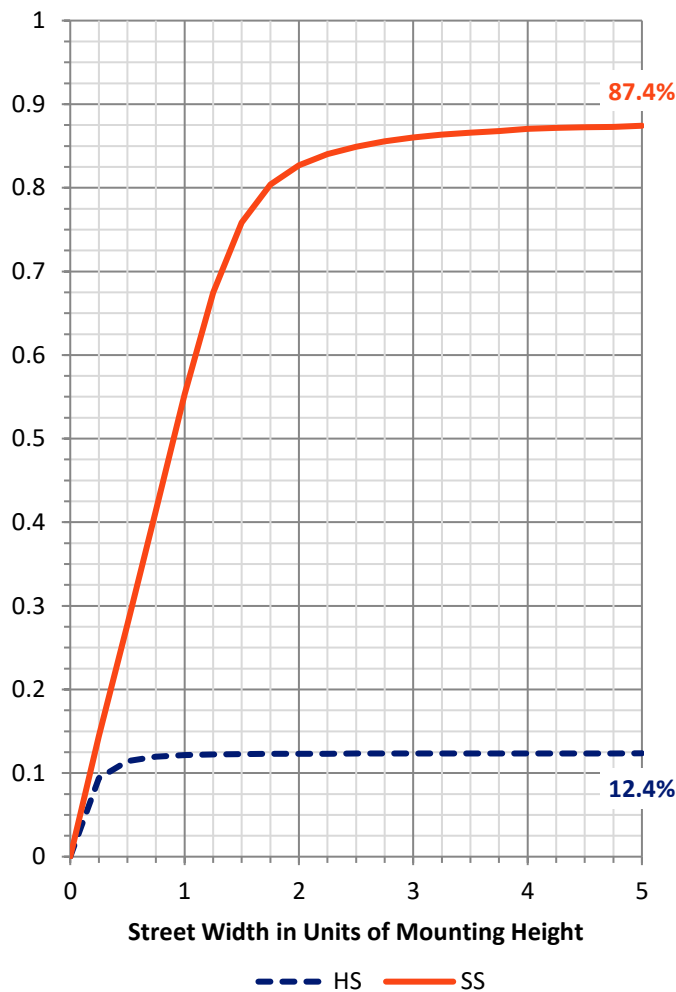
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3098.7	0.0	3098.7
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	21716.4	0.0	21716.4
	% Fixture	87.5	0.0	87.5
Total	Lumens	24815.1	0.0	24815.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	499.9	2.0
10°-20°	1123.7	4.5
20°-30°	1605.7	6.5
30°-40°	2336.0	9.4
40°-50°	3658.6	14.7
50°-60°	5707.5	23.0
60°-70°	6269.4	25.3
70°-80°	3336.6	13.4
80°-90°	277.8	1.1
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°	24815.1	100.0
0°-180°	24815.1	100.0

Coefficient of Utilization



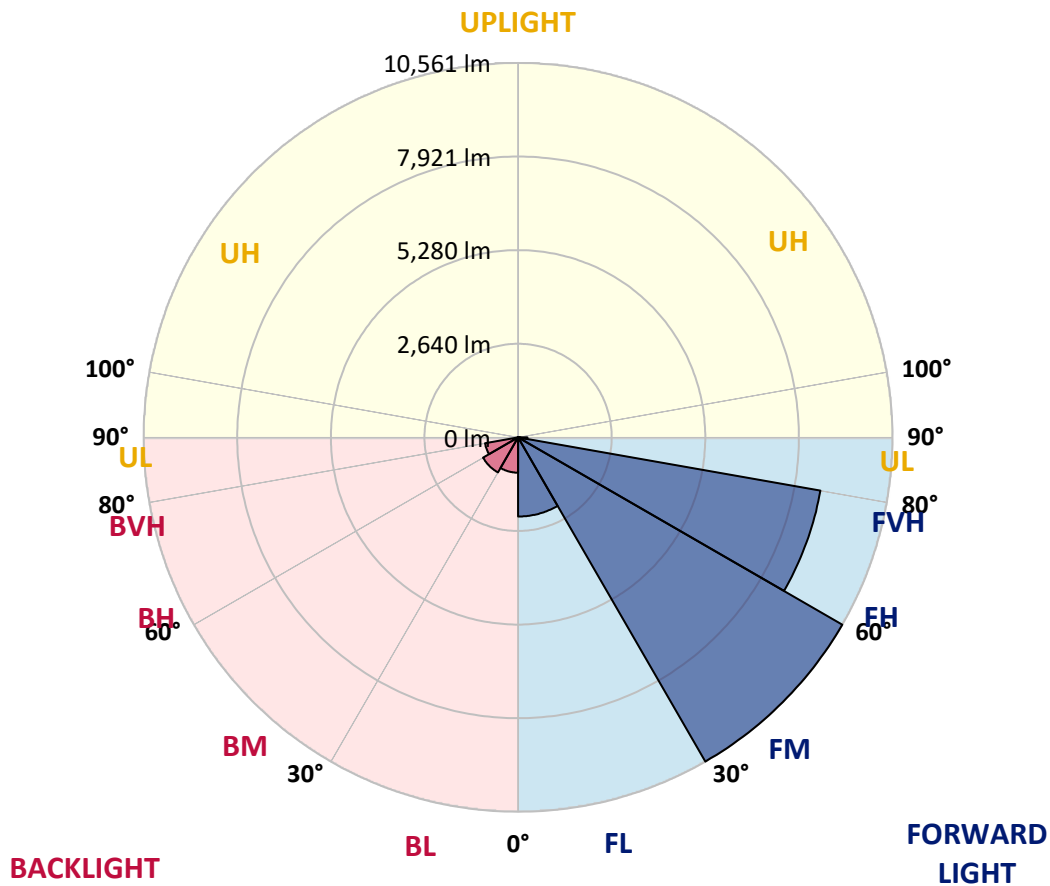
REPORT NUMBER: P638306

CATALOG NUMBER: GWS-SA4E-750-U-SL2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2233.2	9.0			
FM (30°-60°)	10560.8	42.6			
FH (60°-80°)	8659.5	34.9			G4/12000
FVH (80°-90°)	262.9	1.1			G3/500
BL (0°-30°)	996.0	4.0	B2/1000		
BM (30°-60°)	1141.4	4.6	B2/2500		
BH (60°-80°)	946.5	3.8	B2/1000		G2/1000
BVH (80°-90°)	14.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type II Short





REPORT NUMBER: P638306

CATALOG NUMBER: GWS-SA4E-750-U-SL2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	6018.4	6018.4	6018.4	6018.4	6018.4	6018.4	6018.4	6018.4	6018.4	6018.4	6018.4
2.5°	5809.8	5827.7	5803.0	5863.6	5874.8	5942.1	5980.3	6007.2	6005.0	6038.6	6038.6
5°	5468.7	5486.6	5473.1	5538.2	5589.8	5695.3	5782.8	5883.8	5888.3	5991.5	6029.7
7.5°	5179.2	5181.4	5181.4	5262.2	5329.5	5459.7	5589.8	5744.7	5762.6	5922.0	6022.9
10°	4941.3	4948.0	4950.3	5042.3	5116.4	5273.4	5439.5	5625.7	5645.9	5861.4	6018.4
12.5°	4777.5	4779.7	4788.7	4885.2	4966.0	5129.8	5298.1	5511.3	5538.2	5791.8	5998.2
15°	4699.0	4694.5	4699.0	4779.7	4860.5	5017.6	5190.4	5419.3	5448.5	5733.5	6000.5
17.5°	4694.5	4687.7	4683.3	4743.8	4795.5	4934.6	5109.6	5358.7	5390.1	5706.5	6025.2
20°	4759.6	4755.1	4732.6	4759.6	4770.8	4885.2	5058.0	5311.6	5343.0	5702.0	6079.0
22.5°	4930.1	4918.9	4885.2	4860.5	4799.9	4867.3	5022.1	5277.9	5313.8	5713.3	6148.6
25°	5183.7	5179.2	5136.5	5076.0	4921.1	4894.2	5024.3	5277.9	5311.6	5726.7	6222.6
27.5°	5565.2	5538.2	5484.4	5378.9	5156.7	4999.7	5069.2	5291.4	5325.0	5744.7	6283.2
30°	5953.4	5951.1	5933.2	5825.5	5495.6	5201.6	5163.5	5327.3	5358.7	5760.4	6339.3
32.5°	6355.0	6361.8	6406.7	6323.6	5962.3	5502.3	5334.0	5401.3	5423.8	5791.8	6388.7
35°	6736.5	6750.0	6868.9	6898.1	6530.1	5957.9	5612.3	5549.4	5551.7	5861.4	6453.8
37.5°	7102.3	7147.2	7337.9	7479.3	7236.9	6509.9	6014.0	5800.8	5782.8	6000.5	6552.5
40°	7517.4	7602.7	7842.8	8082.9	8006.6	7239.2	6561.5	6186.7	6148.6	6256.3	6729.8
42.5°	7977.5	8069.5	8388.1	8724.7	8760.6	8121.1	7245.9	6750.0	6684.9	6687.2	7061.9
45°	8471.1	8594.6	8964.8	9449.5	9667.2	9104.0	8089.7	7510.7	7445.6	7349.1	7596.0
47.5°	9119.7	9227.4	9584.2	10142.9	10560.3	10158.6	9196.0	8489.1	8370.2	8228.8	8426.3
50°	9678.4	9772.7	10080.1	10780.2	11648.7	11518.5	10450.4	9712.1	9597.6	9357.5	9521.3
52.5°	9801.8	9875.9	10158.6	10946.3	12481.2	13235.2	11987.5	11190.9	11110.1	10665.8	10728.6
55°	9247.6	9359.8	9613.4	10488.5	12698.9	14913.7	13982.4	12858.2	12689.9	11980.8	12093.0
57.5°	7847.3	8047.0	8284.9	9422.6	12108.7	15806.8	16769.5	14624.2	14471.6	13246.4	13248.7
60°	5751.4	5913.0	6072.3	7113.5	10708.4	15746.2	19298.5	16607.9	16329.7	14280.9	14242.8
62.5°	4182.8	4265.9	4263.6	4633.9	7353.6	14709.5	20627.0	19597.0	18948.4	15387.2	15169.5
65°	3289.7	3287.5	3384.0	3505.1	4106.5	11354.7	20790.8	23961.6	23261.4	16870.5	16417.2
67.5°	2560.4	2609.8	2706.3	3063.1	3085.5	5942.1	19350.1	26661.1	26647.7	19134.7	17878.1
70°	1974.7	2042.1	2178.9	2699.5	2849.9	3325.6	14478.4	25806.2	26023.8	20146.8	16843.6
72.5°	1267.9	1263.4	1465.3	2181.2	2737.7	2771.4	8006.6	20499.1	20745.9	18248.3	13618.9
75°	709.1	713.6	828.0	1335.2	2551.4	2607.5	3965.2	14617.5	14812.7	14227.0	10463.8
77.5°	278.3	287.2	388.2	702.4	1683.0	2329.3	2356.2	9967.9	9997.1	8816.7	6417.9
80°	112.2	118.9	197.5	435.3	1025.5	1568.6	1683.0	5872.6	5753.6	3413.1	1867.0
82.5°	33.7	35.9	78.5	246.8	536.3	1115.3	1135.5	2253.0	2127.3	733.8	475.7
85°	2.2	2.2	18.0	76.3	190.7	280.5	756.2	733.8	650.8	184.0	210.9
87.5°	0.0	0.0	2.2	2.2	4.5	9.0	80.8	134.6	136.9	33.7	94.2
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: P638306
 CATALOG NUMBER: GWS-SA4E-750-U-SL2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6018.4	6018.4	6018.4	6018.4	6018.4	6018.4	6018.4	6018.4	6018.4	6018.4	6018.4
2.5°	6038.6	5957.9	5951.1	5888.3	5825.5	5746.9	5654.9	5587.6	5540.5	5457.4	5441.7
5°	6029.7	5922.0	5821.0	5641.4	5441.7	5226.3	5037.8	4862.8	4752.8	4678.8	4647.4
7.5°	6011.7	5874.8	5641.4	5302.6	4968.2	4591.3	4297.3	4028.0	3844.0	3736.3	3689.2
10°	5998.2	5814.2	5435.0	4921.1	4402.8	3882.1	3435.6	3036.1	2814.0	2639.0	2609.8
12.5°	5971.3	5726.7	5170.2	4474.6	3805.8	3114.7	2544.7	2055.5	1716.7	1564.1	1510.2
15°	5944.4	5634.7	4905.4	4003.3	3155.1	2302.4	1611.2	1140.0	906.6	834.8	830.3
17.5°	5939.9	5551.7	4618.2	3556.8	2472.9	1508.0	917.8	738.3	688.9	671.0	671.0
20°	5953.4	5482.1	4335.4	3042.9	1801.9	917.8	684.4	639.5	610.4	594.7	594.7
22.5°	5966.8	5410.3	4063.9	2524.5	1196.1	671.0	603.6	565.5	531.8	513.9	504.9
25°	5975.8	5331.8	3763.2	2003.9	780.9	583.4	529.6	480.2	439.8	417.4	417.4
27.5°	5973.6	5237.5	3460.3	1494.5	605.9	518.4	453.3	401.7	361.3	336.6	338.8
30°	5955.6	5134.3	3146.1	1043.5	529.6	453.3	388.2	334.4	294.0	273.8	271.5
32.5°	5942.1	5024.3	2782.6	733.8	475.7	397.2	329.9	278.3	244.6	228.9	226.6
35°	5926.4	4916.6	2437.0	558.8	428.6	343.3	278.3	235.6	208.7	195.2	195.2
37.5°	5930.9	4804.4	2062.2	480.2	381.5	298.5	237.9	202.0	179.5	166.1	163.8
40°	6000.5	4737.1	1694.2	435.3	338.8	258.1	206.4	175.0	152.6	139.1	136.9
42.5°	6173.3	4739.4	1341.9	401.7	300.7	219.9	179.5	150.3	130.2	114.4	112.2
45°	6518.9	4833.6	1030.0	365.8	260.3	190.7	154.8	127.9	107.7	94.2	92.0
47.5°	7084.3	5114.1	780.9	334.4	226.6	166.1	132.4	107.7	89.8	78.5	76.3
50°	7984.2	5621.3	614.9	296.2	190.7	143.6	112.2	89.8	74.1	62.8	60.6
52.5°	9065.8	6382.0	527.3	262.5	163.8	125.7	96.5	74.1	60.6	51.6	49.4
55°	10309.0	7290.8	487.0	228.9	139.1	107.7	78.5	60.6	49.4	42.6	38.1
57.5°	11449.0	8109.9	484.7	195.2	118.9	92.0	65.1	51.6	42.6	33.7	31.4
60°	12559.7	8794.3	455.5	161.6	103.2	76.3	56.1	42.6	35.9	29.2	26.9
62.5°	13567.3	9350.8	381.5	130.2	87.5	62.8	47.1	38.1	31.4	24.7	24.7
65°	14832.9	10059.9	291.7	105.5	71.8	51.6	40.4	33.7	29.2	22.4	22.4
67.5°	16141.2	10434.7	208.7	87.5	58.3	44.9	35.9	31.4	24.7	20.2	20.2
70°	14619.7	8816.7	150.3	71.8	49.4	38.1	31.4	29.2	24.7	20.2	18.0
72.5°	11417.5	6357.3	112.2	56.1	42.6	35.9	29.2	26.9	22.4	18.0	18.0
75°	8466.7	3707.1	85.3	44.9	33.7	29.2	29.2	26.9	22.4	18.0	15.7
77.5°	4602.5	1292.6	65.1	35.9	26.9	22.4	24.7	24.7	20.2	15.7	13.5
80°	1218.5	354.6	44.9	26.9	22.4	18.0	18.0	22.4	18.0	13.5	13.5
82.5°	354.6	103.2	31.4	22.4	18.0	15.7	15.7	15.7	13.5	11.2	9.0
85°	172.8	38.1	22.4	18.0	15.7	13.5	11.2	11.2	9.0	6.7	6.7
87.5°	76.3	15.7	18.0	15.7	15.7	11.2	9.0	6.7	6.7	4.5	2.2
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)