

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: P636235

Luminaire Tested: GWS-SA3F-735-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636235
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-735-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18063.9 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G3

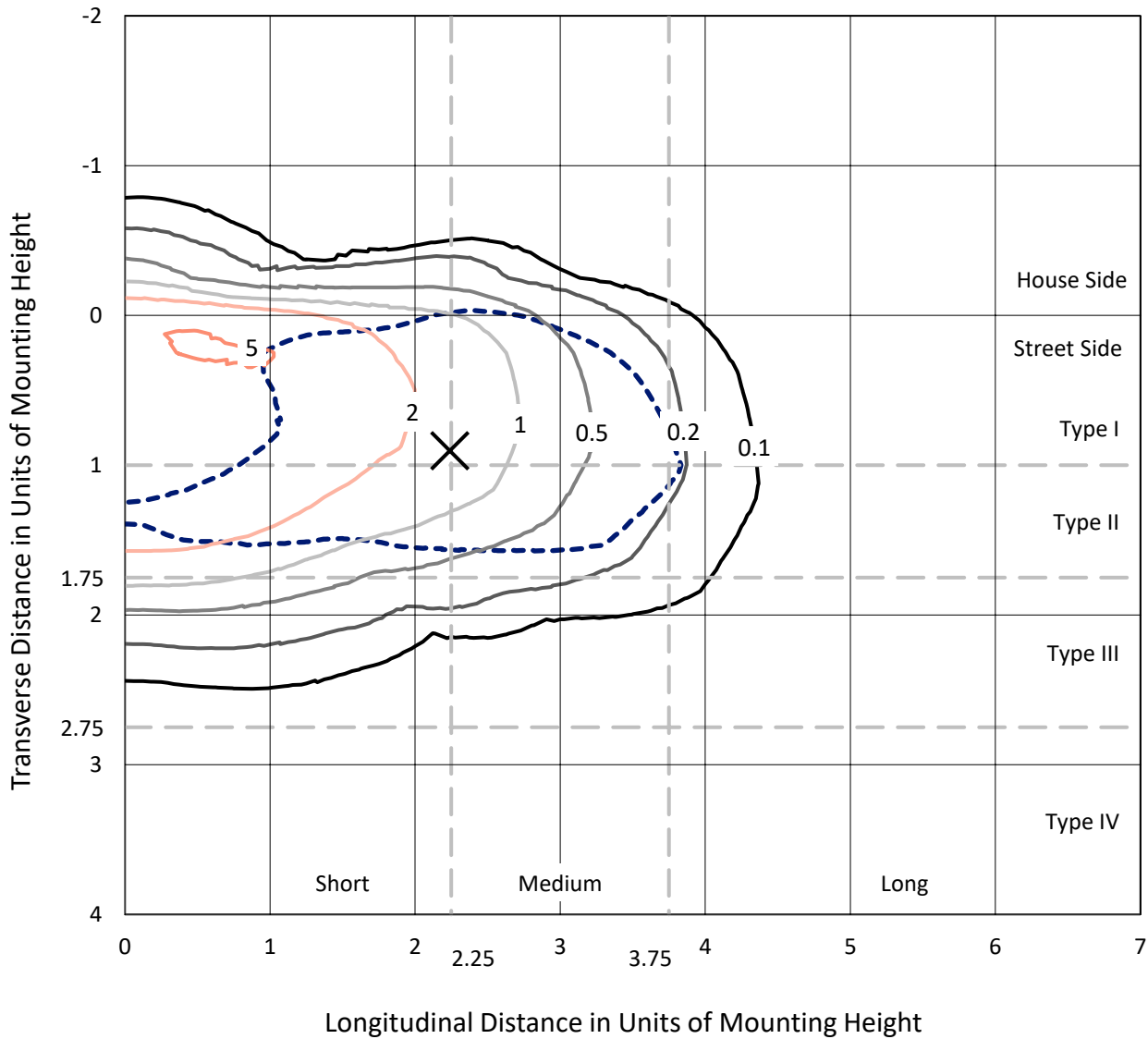
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

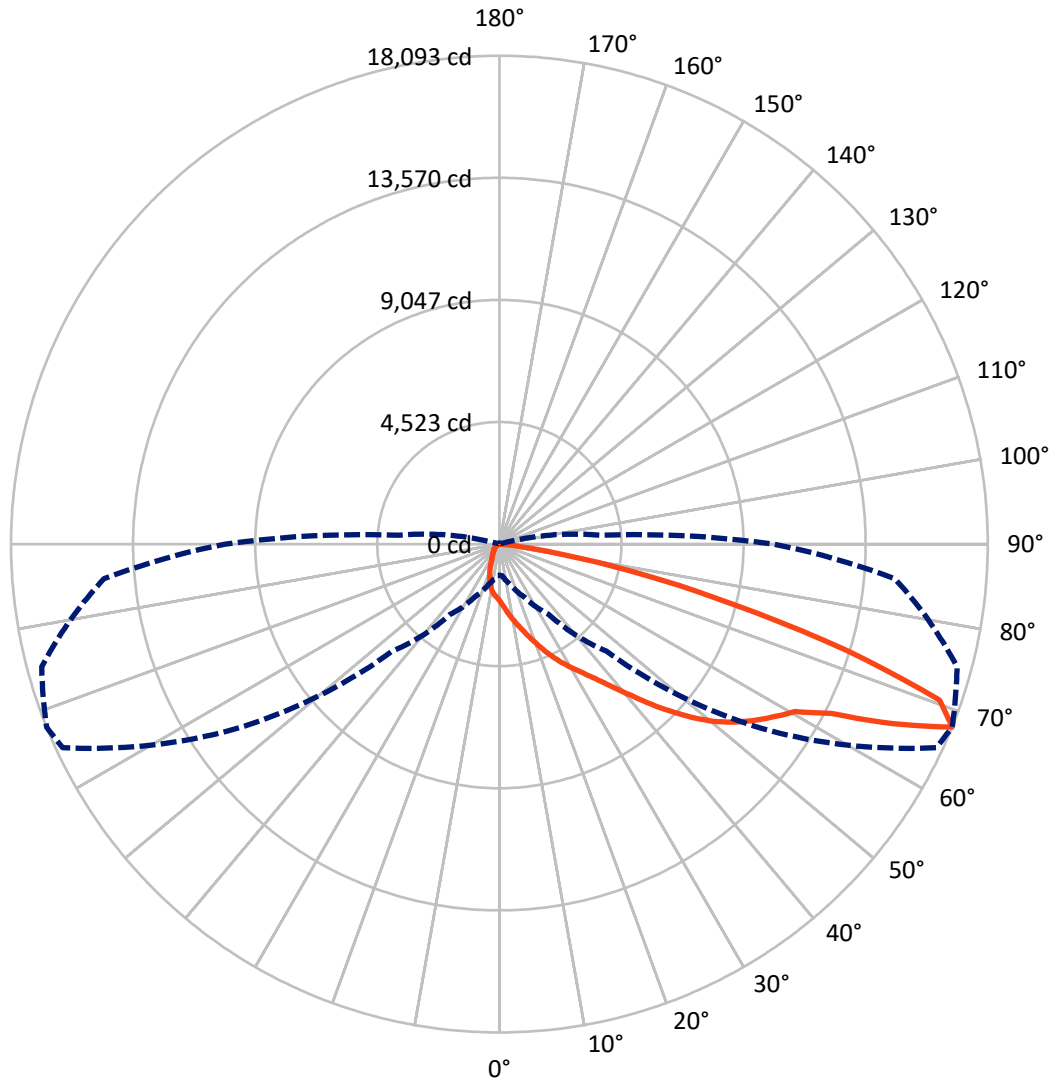
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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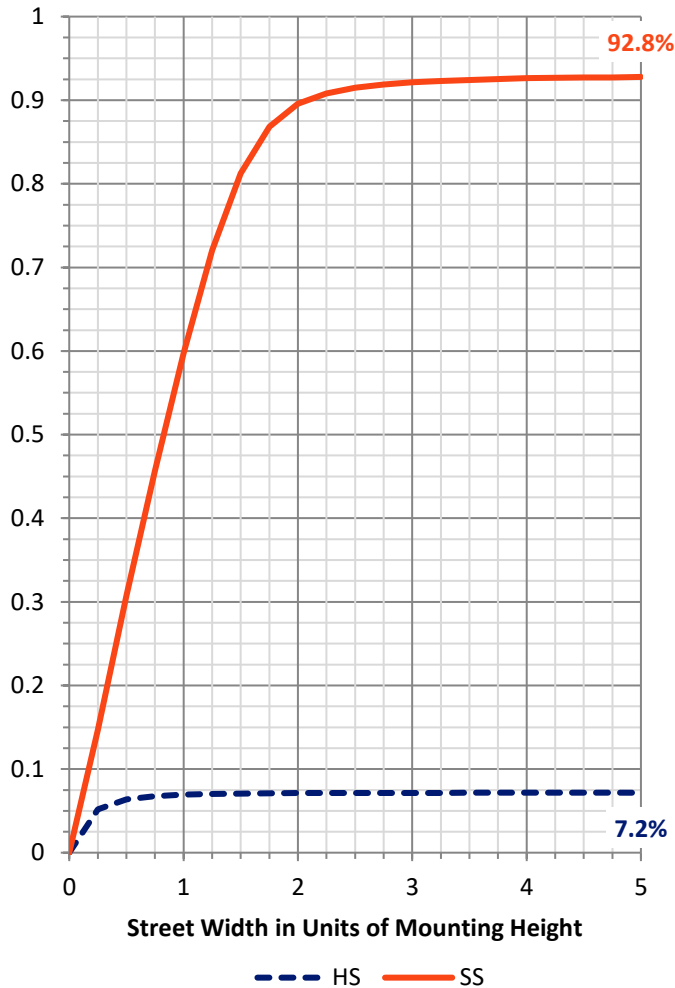
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1304.4	0.0	1304.4
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	16759.5	0.0	16759.5
	% Fixture	92.8	0.0	92.8
Total	Lumens	18063.9	0.0	18063.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.0	1.1
10°-20°	588.8	3.3
20°-30°	1011.8	5.6
30°-40°	1759.2	9.7
40°-50°	3069.5	17.0
50°-60°	4629.7	25.6
60°-70°	4642.3	25.7
70°-80°	2048.2	11.3
80°-90°	109.4	0.6
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°	18063.9	100.0
0°-180°	18063.9	100.0

Coefficient of Utilization



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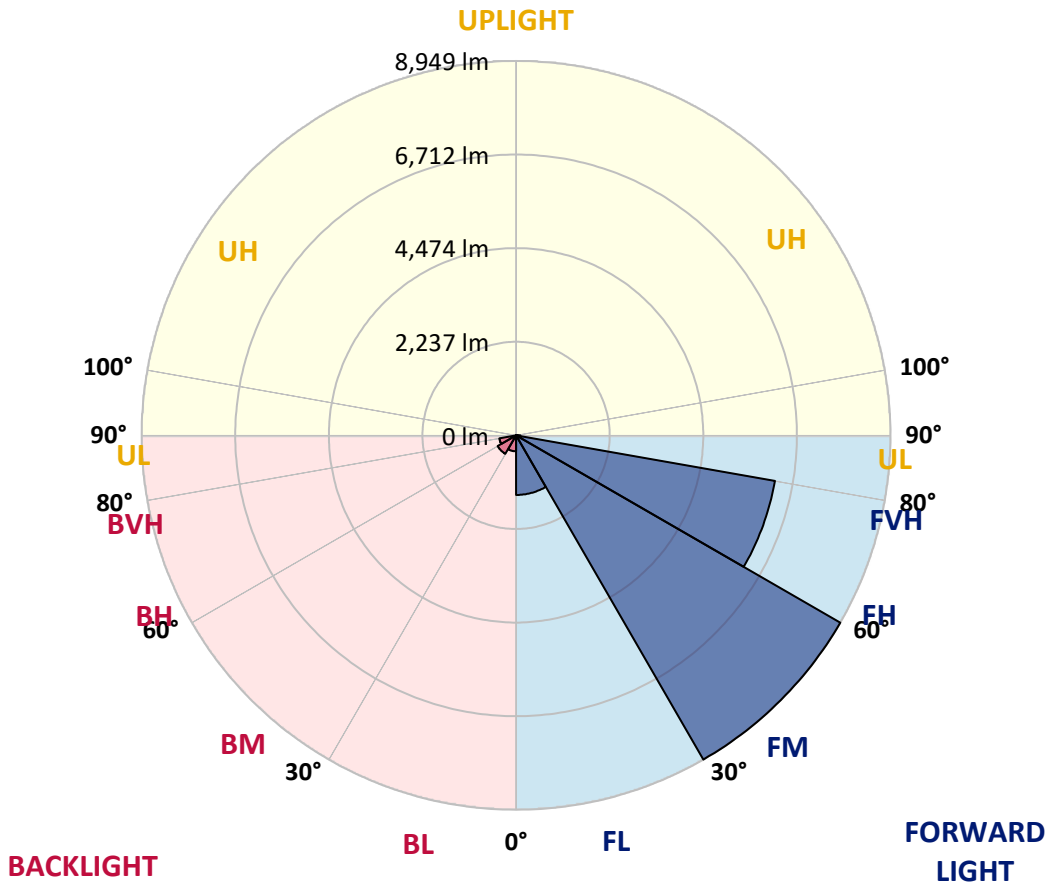
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1424.0	7.9			
FM (30°-60°)	8948.8	49.5			
FH (60°-80°)	6283.4	34.8			G3/7500
FVH (80°-90°)	103.2	0.6			G2/225
BL (0°-30°)	381.6	2.1	B1/500		
BM (30°-60°)	509.5	2.8	B1/1000		
BH (60°-80°)	407.1	2.3	B1/500		G1/500
BVH (80°-90°)	6.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	2102.2	2102.2	2102.2	2102.2	2102.2	2102.2	2102.2	2102.2	2102.2	2102.2	2102.2
2.5°	2447.9	2463.5	2447.9	2451.4	2406.4	2385.7	2340.7	2278.5	2263.0	2223.2	2162.7
5°	2747.0	2760.8	2745.3	2741.8	2690.0	2651.9	2577.6	2470.4	2439.3	2361.5	2242.2
7.5°	2909.5	2918.2	2923.3	2932.0	2913.0	2881.9	2814.4	2681.3	2648.5	2522.3	2354.6
10°	2926.8	2933.7	2959.6	3011.5	3049.5	3068.6	3030.5	2907.8	2855.9	2733.2	2492.9
12.5°	2878.4	2888.8	2930.3	3016.7	3122.2	3219.0	3243.2	3136.0	3089.3	2932.0	2655.4
15°	2814.4	2823.1	2880.1	2997.7	3156.7	3334.8	3435.1	3388.4	3336.5	3172.3	2835.2
17.5°	2715.9	2728.0	2807.5	2966.6	3172.3	3426.4	3642.5	3658.1	3621.8	3443.7	3034.0
20°	2660.6	2669.2	2740.1	2904.3	3161.9	3493.8	3836.1	3983.1	3943.3	3756.6	3262.2
22.5°	2707.2	2714.2	2760.8	2888.8	3127.3	3531.9	4015.9	4308.1	4285.6	4092.0	3502.5
25°	2952.7	2975.2	2947.5	2970.0	3142.9	3552.6	4161.1	4633.1	4638.3	4442.9	3751.4
27.5°	3450.6	3421.2	3355.5	3243.2	3263.9	3607.9	4285.6	4939.1	4984.0	4785.2	3972.7
30°	3957.1	3939.9	3900.1	3725.5	3580.3	3730.7	4391.1	5252.0	5322.9	5122.3	4169.8
32.5°	4525.9	4543.2	4472.3	4263.1	4015.9	3979.6	4500.0	5549.3	5682.5	5504.4	4401.4
35°	5205.3	5210.5	5070.5	4838.8	4558.8	4391.1	4695.3	5877.8	6123.3	5991.9	4710.9
37.5°	5867.4	5898.5	5822.5	5457.7	5208.8	4902.8	5018.6	6299.6	6645.4	6593.5	5099.9
40°	6453.5	6501.9	6477.7	6125.0	5798.3	5540.7	5519.9	6794.0	7276.4	7335.2	5613.3
42.5°	6920.2	6951.4	6970.4	6719.7	6431.0	6285.8	6138.8	7368.0	8021.5	8261.8	6242.6
45°	7412.9	7423.3	7463.1	7293.7	7041.3	7053.4	6870.1	8064.7	8806.3	9288.7	6965.2
47.5°	8040.5	8075.1	8056.0	7878.0	7649.8	7786.4	7625.6	8782.1	9580.8	10384.7	7705.1
50°	8804.6	8840.9	8823.6	8616.2	8362.0	8419.1	8318.8	9478.8	10327.6	11418.5	8320.5
52.5°	9198.8	9228.1	9442.5	9535.9	9402.8	9039.7	8910.1	10244.7	10958.6	12269.0	8885.9
55°	9008.6	9029.3	9496.1	9890.3	10377.8	10014.7	9504.8	10835.9	11515.3	12932.9	9305.9
57.5°	8220.3	8332.6	8967.1	9634.4	10659.6	10977.7	10469.4	11479.0	12051.2	13394.5	9719.1
60°	6603.9	6598.7	7508.0	8706.1	10109.8	11242.2	11831.7	12348.6	12588.9	13748.9	10272.3
62.5°	3649.4	3682.3	4892.4	6470.8	8581.6	10557.6	12853.4	13850.9	13814.6	14367.8	11138.4
65°	1816.9	1882.6	2539.6	3706.5	5710.1	8725.1	13029.7	16143.2	16039.5	15825.1	12927.7
67.5°	1153.1	1179.0	1542.1	2154.0	3174.0	5608.1	11931.9	17853.0	18093.3	17553.9	14703.1
70°	746.8	790.0	1071.8	1472.9	1915.5	2890.5	8740.6	16744.8	17296.3	17363.7	13596.7
72.5°	406.3	437.4	684.6	1051.1	1383.0	1445.2	4909.7	12566.4	13453.3	14729.1	10637.1
75°	231.7	254.1	375.1	714.0	1014.8	879.9	2176.5	8412.2	8977.5	10526.5	7622.1
77.5°	140.0	159.0	210.9	347.5	636.2	587.8	822.9	5120.6	5480.2	6280.6	4000.4
80°	64.0	76.1	133.1	191.9	347.5	278.3	314.6	2387.4	2465.2	2577.6	1324.2
82.5°	29.4	34.6	60.5	114.1	197.1	160.8	121.0	551.5	776.2	734.7	337.1
85°	3.5	3.5	22.5	46.7	55.3	41.5	50.1	124.5	157.3	221.3	96.8
87.5°	0.0	0.0	1.7	1.7	3.5	5.2	10.4	15.6	22.5	36.3	24.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2102.2	2102.2	2102.2	2102.2	2102.2	2102.2	2102.2	2102.2	2102.2	2102.2	2102.2
2.5°	2135.0	2086.6	2043.4	1979.4	1936.2	1887.8	1855.0	1815.2	1799.6	1787.5	1770.3
5°	2183.4	2105.6	2000.2	1882.6	1785.8	1694.2	1609.5	1554.2	1505.8	1498.8	1474.6
7.5°	2263.0	2147.1	1969.1	1777.2	1612.9	1460.8	1341.5	1244.7	1196.3	1180.7	1153.1
10°	2368.4	2209.4	1922.4	1628.5	1391.7	1210.1	1075.3	966.4	890.3	862.7	841.9
12.5°	2486.0	2266.4	1848.1	1445.2	1175.6	968.1	797.0	681.1	632.7	615.4	599.9
15°	2620.8	2320.0	1730.5	1262.0	964.7	712.3	591.2	541.1	520.4	515.2	510.0
17.5°	2750.5	2354.6	1590.5	1071.8	741.6	553.2	496.2	477.1	472.0	466.8	463.3
20°	2897.4	2378.8	1426.2	892.0	575.7	468.5	440.8	427.0	416.6	406.3	404.5
22.5°	3047.8	2378.8	1248.2	715.7	482.3	420.1	389.0	363.0	344.0	333.7	330.2
25°	3191.3	2345.9	1071.8	572.2	425.3	373.4	333.7	304.3	278.3	266.2	262.8
27.5°	3293.3	2261.2	918.0	484.1	385.5	331.9	283.5	250.7	229.9	217.8	216.1
30°	3357.3	2135.0	776.2	432.2	350.9	288.7	240.3	212.6	197.1	188.4	185.0
32.5°	3405.7	1979.4	650.0	395.9	318.1	250.7	209.2	186.7	172.9	166.0	164.2
35°	3502.5	1832.5	556.7	363.0	283.5	219.6	183.2	166.0	155.6	146.9	145.2
37.5°	3637.3	1709.7	482.3	333.7	250.7	195.4	166.0	150.4	141.8	133.1	131.4
40°	3836.1	1632.0	427.0	304.3	221.3	176.3	152.1	138.3	126.2	117.6	115.8
42.5°	4142.1	1595.7	390.7	274.9	195.4	159.0	140.0	122.7	110.6	102.0	100.3
45°	4506.9	1614.7	359.6	245.5	178.1	146.9	124.5	107.2	95.1	86.4	84.7
47.5°	4897.6	1682.1	333.7	217.8	160.8	134.8	110.6	91.6	81.3	72.6	70.9
50°	5305.6	1792.7	311.2	191.9	146.9	121.0	95.1	79.5	69.2	62.2	60.5
52.5°	5660.0	1943.1	288.7	172.9	134.8	107.2	83.0	69.2	58.8	51.9	50.1
55°	5998.8	2084.9	271.4	155.6	121.0	93.4	72.6	58.8	50.1	43.2	41.5
57.5°	6367.0	2235.3	250.7	140.0	108.9	83.0	64.0	50.1	43.2	36.3	34.6
60°	6903.0	2458.3	219.6	127.9	95.1	72.6	55.3	44.9	38.0	29.4	27.7
62.5°	7675.7	2864.6	185.0	110.6	81.3	62.2	46.7	38.0	31.1	24.2	20.7
65°	9121.0	3556.1	152.1	91.6	65.7	51.9	39.8	31.1	24.2	17.3	15.6
67.5°	10161.7	3735.9	122.7	74.3	53.6	39.8	32.8	24.2	17.3	12.1	10.4
70°	8884.1	2683.0	95.1	60.5	44.9	31.1	25.9	19.0	12.1	8.6	6.9
72.5°	6693.8	1753.0	70.9	46.7	34.6	25.9	19.0	15.6	10.4	6.9	5.2
75°	4717.8	1013.1	51.9	34.6	24.2	19.0	15.6	12.1	8.6	5.2	5.2
77.5°	2418.5	418.4	36.3	24.2	17.3	12.1	10.4	6.9	6.9	5.2	3.5
80°	734.7	138.3	20.7	15.6	12.1	8.6	5.2	5.2	5.2	3.5	1.7
82.5°	167.7	44.9	12.1	12.1	8.6	6.9	5.2	1.7	1.7	0.0	0.0
85°	43.2	13.8	10.4	8.6	8.6	6.9	3.5	1.7	0.0	0.0	0.0
87.5°	15.6	8.6	8.6	8.6	6.9	5.2	3.5	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)