

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: P635996

Luminaire Tested: GWS-SA3E-830-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635996
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-SA3E-830-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13848.6 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

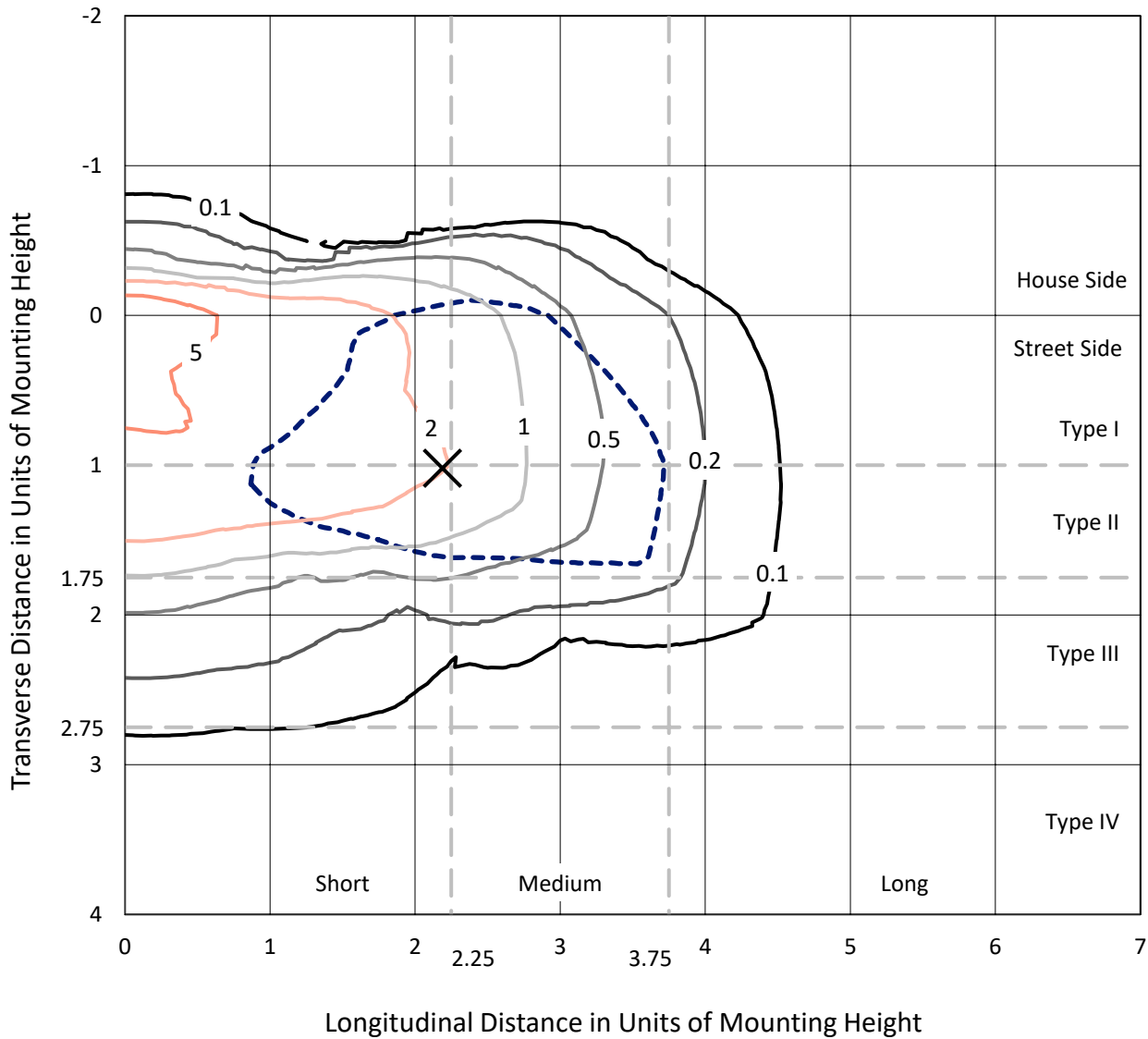
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

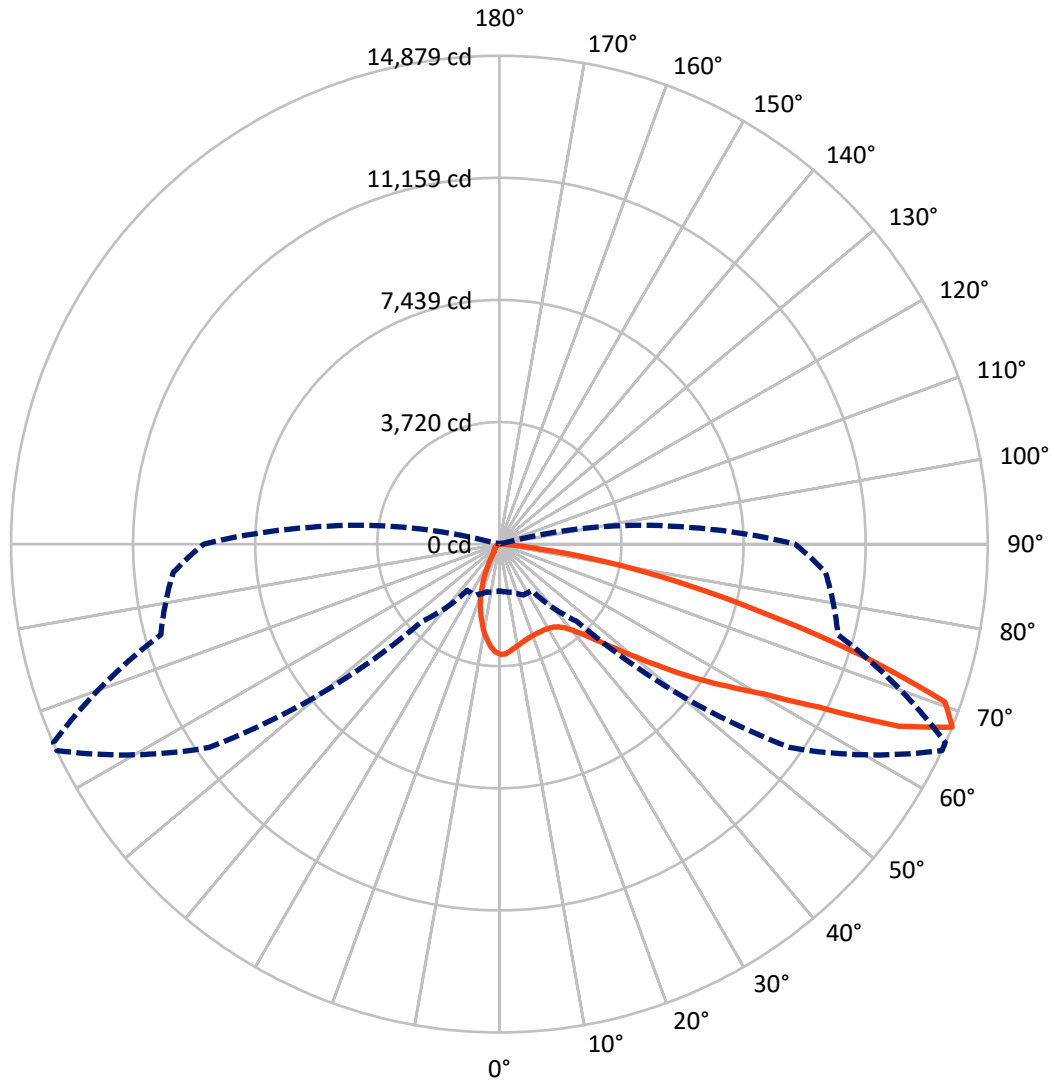
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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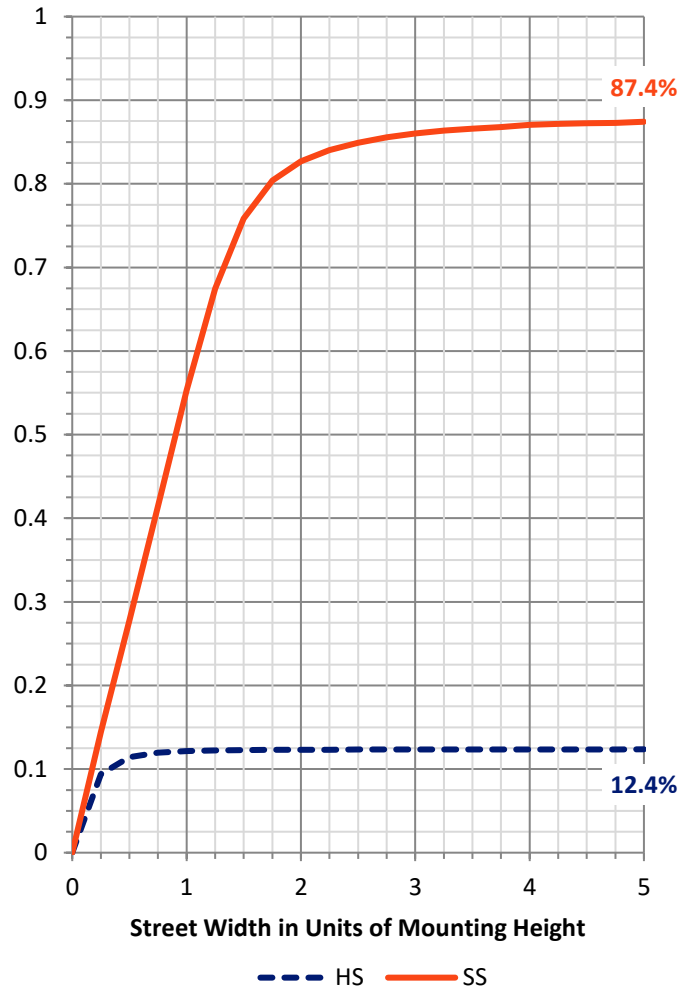
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1729.3	0.0	1729.3
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	12119.3	0.0	12119.3
	% Fixture	87.5	0.0	87.5
Total	Lumens	13848.6	0.0	13848.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.0	2.0
10°-20°	627.1	4.5
20°-30°	896.1	6.5
30°-40°	1303.7	9.4
40°-50°	2041.8	14.7
50°-60°	3185.2	23.0
60°-70°	3498.8	25.3
70°-80°	1862.0	13.4
80°-90°	155.0	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°	13848.6	100.0
0°-180°	13848.6	100.0

Coefficient of Utilization



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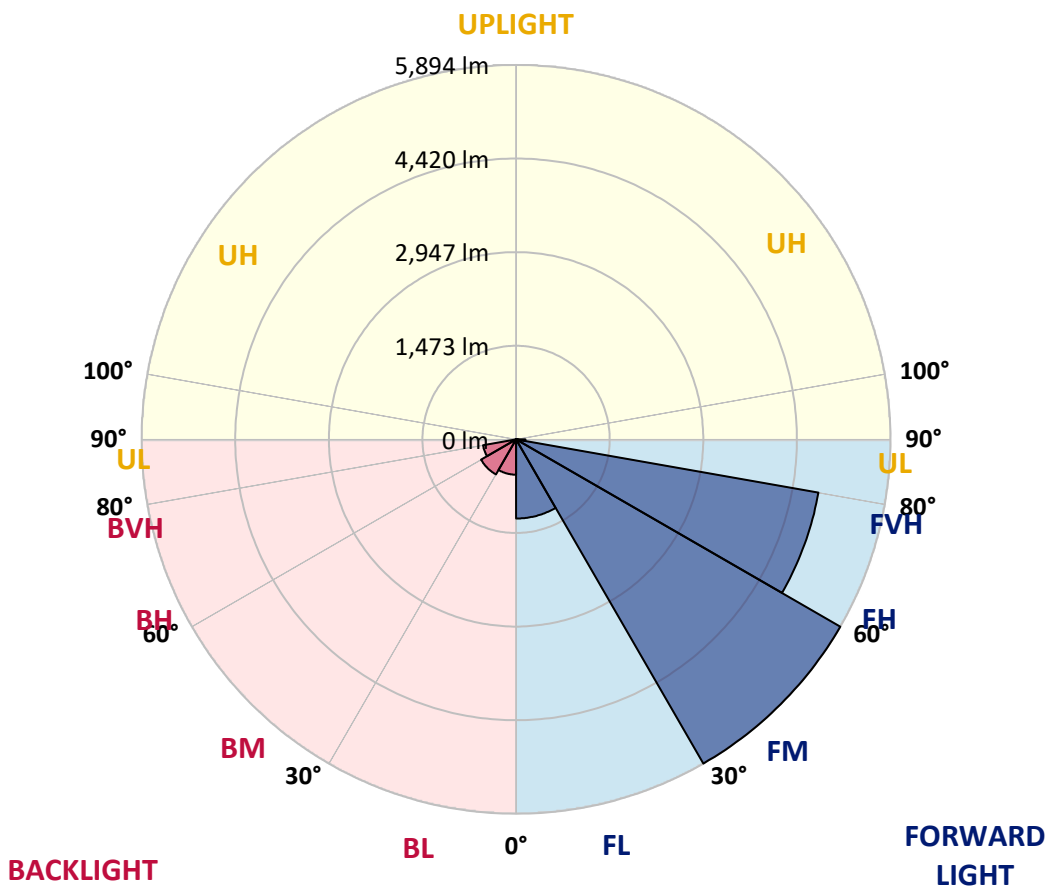
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1246.3	9.0			
FM (30°-60°)	5893.7	42.6			
FH (60°-80°)	4832.6	34.9			G2/5000
FVH (80°-90°)	146.7	1.1			G2/225
BL (0°-30°)	555.8	4.0	B2/1000		
BM (30°-60°)	637.0	4.6	B1/1000		
BH (60°-80°)	528.2	3.8	B2/1000		G2/1000
BVH (80°-90°)	8.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3358.7	3358.7	3358.7	3358.7	3358.7	3358.7	3358.7	3358.7	3358.7	3358.7	3358.7
2.5°	3242.3	3252.3	3238.5	3272.3	3278.6	3316.1	3337.4	3352.5	3351.2	3370.0	3370.0
5°	3051.9	3061.9	3054.4	3090.7	3119.5	3178.4	3227.2	3283.6	3286.1	3343.7	3365.0
7.5°	2890.4	2891.6	2891.6	2936.7	2974.3	3046.9	3119.5	3205.9	3216.0	3304.9	3361.2
10°	2757.6	2761.4	2762.6	2814.0	2855.3	2943.0	3035.6	3139.6	3150.8	3271.1	3358.7
12.5°	2666.2	2667.4	2672.5	2726.3	2771.4	2862.8	2956.7	3075.7	3090.7	3232.2	3347.5
15°	2622.4	2619.9	2622.4	2667.4	2712.5	2800.2	2896.6	3024.4	3040.6	3199.7	3348.7
17.5°	2619.9	2616.1	2613.6	2647.4	2676.2	2753.9	2851.5	2990.5	3008.1	3184.6	3362.5
20°	2656.2	2653.7	2641.1	2656.2	2662.4	2726.3	2822.7	2964.2	2981.8	3182.1	3392.5
22.5°	2751.3	2745.1	2726.3	2712.5	2678.7	2716.3	2802.7	2945.5	2965.5	3188.4	3431.4
25°	2892.9	2890.4	2866.6	2832.7	2746.3	2731.3	2803.9	2945.5	2964.2	3195.9	3472.7
27.5°	3105.8	3090.7	3060.7	3001.8	2877.8	2790.2	2829.0	2953.0	2971.8	3205.9	3506.5
30°	3322.4	3321.2	3311.1	3251.0	3066.9	2902.9	2881.6	2973.0	2990.5	3214.7	3537.8
32.5°	3546.6	3550.3	3575.4	3529.0	3327.4	3070.7	2976.8	3014.3	3026.9	3232.2	3565.4
35°	3759.5	3767.0	3833.4	3849.6	3644.3	3324.9	3132.1	3097.0	3098.2	3271.1	3601.7
37.5°	3963.6	3988.6	4095.1	4174.0	4038.7	3633.0	3356.2	3237.2	3227.2	3348.7	3656.8
40°	4195.3	4242.9	4376.9	4510.9	4468.3	4040.0	3661.8	3452.6	3431.4	3491.5	3755.7
42.5°	4452.0	4503.3	4681.2	4869.0	4889.1	4532.1	4043.7	3767.0	3730.7	3731.9	3941.1
45°	4727.5	4796.4	5003.0	5273.5	5395.0	5080.7	4514.6	4191.5	4155.2	4101.3	4239.1
47.5°	5089.4	5149.5	5348.7	5660.5	5893.4	5669.3	5132.0	4737.5	4671.2	4592.3	4702.5
50°	5401.3	5453.9	5625.4	6016.1	6500.8	6428.2	5832.1	5420.0	5356.2	5222.2	5313.6
52.5°	5470.1	5511.5	5669.3	6108.8	6965.4	7386.2	6689.9	6245.3	6200.2	5952.3	5987.3
55°	5160.8	5223.4	5364.9	5853.3	7086.9	8322.9	7803.2	7175.8	7081.9	6686.1	6748.8
57.5°	4379.4	4490.8	4623.6	5258.5	6757.5	8821.3	9358.6	8161.4	8076.2	7392.4	7393.7
60°	3209.7	3299.9	3388.8	3969.9	5976.1	8787.5	10770.0	9268.4	9113.1	7969.8	7948.5
62.5°	2334.3	2380.7	2379.4	2586.0	4103.9	8209.0	11511.3	10936.5	10574.6	8587.2	8465.7
65°	1835.9	1834.6	1888.5	1956.1	2291.7	6336.7	11602.7	13372.3	12981.5	9414.9	9162.0
67.5°	1428.9	1456.4	1510.3	1709.4	1721.9	3316.1	10798.8	14878.8	14871.3	10678.5	9977.2
70°	1102.0	1139.6	1216.0	1506.5	1590.4	1855.9	8080.0	14401.7	14523.2	11243.3	9399.9
72.5°	707.6	705.1	817.8	1217.3	1527.8	1546.6	4468.3	11439.9	11577.7	10183.9	7600.3
75°	395.7	398.2	462.1	745.1	1423.9	1455.2	2212.8	8157.6	8266.6	7939.7	5839.6
77.5°	155.3	160.3	216.7	392.0	939.2	1299.9	1314.9	5562.8	5579.1	4920.4	3581.6
80°	62.6	66.4	110.2	243.0	572.3	875.4	939.2	3277.3	3210.9	1904.8	1041.9
82.5°	18.8	20.0	43.8	137.8	299.3	622.4	633.7	1257.3	1187.2	409.5	265.5
85°	1.3	1.3	10.0	42.6	106.4	156.5	422.0	409.5	363.2	102.7	117.7
87.5°	0.0	0.0	1.3	1.3	2.5	5.0	45.1	75.1	76.4	18.8	52.6
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°	3358.7	3358.7	3358.7	3358.7	3358.7	3358.7	3358.7	3358.7	3358.7	3358.7	3358.7
2.5°	3370.0	3324.9	3321.2	3286.1	3251.0	3207.2	3155.8	3118.3	3092.0	3045.6	3036.9
5°	3365.0	3304.9	3248.5	3148.3	3036.9	2916.7	2811.5	2713.8	2652.4	2611.1	2593.6
7.5°	3355.0	3278.6	3148.3	2959.2	2772.6	2562.2	2398.2	2247.9	2145.2	2085.1	2058.8
10°	3347.5	3244.8	3033.1	2746.3	2457.1	2166.5	1917.3	1694.4	1570.4	1472.7	1456.4
12.5°	3332.4	3195.9	2885.3	2497.1	2123.9	1738.2	1420.1	1147.1	958.0	872.9	842.8
15°	3317.4	3144.6	2737.6	2234.1	1760.8	1284.9	899.2	636.2	505.9	465.9	463.4
17.5°	3314.9	3098.2	2577.3	1984.9	1380.1	841.6	512.2	412.0	384.5	374.4	374.4
20°	3322.4	3059.4	2419.5	1698.1	1005.6	512.2	382.0	356.9	340.6	331.9	331.9
22.5°	3329.9	3019.3	2268.0	1408.9	667.5	374.4	336.9	315.6	296.8	286.8	281.8
25°	3334.9	2975.5	2100.1	1118.3	435.8	325.6	295.5	268.0	245.5	232.9	232.9
27.5°	3333.7	2922.9	1931.1	834.0	338.1	289.3	253.0	224.2	201.6	187.8	189.1
30°	3323.7	2865.3	1755.8	582.3	295.5	253.0	216.7	186.6	164.1	152.8	151.5
32.5°	3316.1	2803.9	1552.9	409.5	265.5	221.7	184.1	155.3	136.5	127.7	126.5
35°	3307.4	2743.8	1360.0	311.8	239.2	191.6	155.3	131.5	116.5	109.0	109.0
37.5°	3309.9	2681.2	1150.9	268.0	212.9	166.6	132.7	112.7	100.2	92.7	91.4
40°	3348.7	2643.6	945.5	243.0	189.1	144.0	115.2	97.7	85.2	77.6	76.4
42.5°	3445.1	2644.9	748.9	224.2	167.8	122.7	100.2	83.9	72.6	63.9	62.6
45°	3638.0	2697.5	574.8	204.1	145.3	106.4	86.4	71.4	60.1	52.6	51.3
47.5°	3953.6	2854.0	435.8	186.6	126.5	92.7	73.9	60.1	50.1	43.8	42.6
50°	4455.8	3137.1	343.1	165.3	106.4	80.1	62.6	50.1	41.3	35.1	33.8
52.5°	5059.4	3561.6	294.3	146.5	91.4	70.1	53.8	41.3	33.8	28.8	27.6
55°	5753.2	4068.8	271.8	127.7	77.6	60.1	43.8	33.8	27.6	23.8	21.3
57.5°	6389.3	4525.9	270.5	109.0	66.4	51.3	36.3	28.8	23.8	18.8	17.5
60°	7009.2	4907.8	254.2	90.2	57.6	42.6	31.3	23.8	20.0	16.3	15.0
62.5°	7571.5	5218.4	212.9	72.6	48.8	35.1	26.3	21.3	17.5	13.8	13.8
65°	8277.8	5614.1	162.8	58.9	40.1	28.8	22.5	18.8	16.3	12.5	12.5
67.5°	9007.9	5823.3	116.5	48.8	32.6	25.0	20.0	17.5	13.8	11.3	11.3
70°	8158.9	4920.4	83.9	40.1	27.6	21.3	17.5	16.3	13.8	11.3	10.0
72.5°	6371.8	3547.8	62.6	31.3	23.8	20.0	16.3	15.0	12.5	10.0	10.0
75°	4725.0	2068.8	47.6	25.0	18.8	16.3	16.3	15.0	12.5	10.0	8.8
77.5°	2568.5	721.3	36.3	20.0	15.0	12.5	13.8	13.8	11.3	8.8	7.5
80°	680.0	197.9	25.0	15.0	12.5	10.0	10.0	12.5	10.0	7.5	7.5
82.5°	197.9	57.6	17.5	12.5	10.0	8.8	8.8	8.8	7.5	6.3	5.0
85°	96.4	21.3	12.5	10.0	8.8	7.5	6.3	6.3	5.0	3.8	3.8
87.5°	42.6	8.8	10.0	8.8	8.8	6.3	5.0	3.8	3.8	2.5	1.3
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)