

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: P635226

Luminaire Tested: GWS-SA3D-735-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635226
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-SA3D-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13759.2 lumens
Efficiency: N/A
Efficacy: 113.9 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

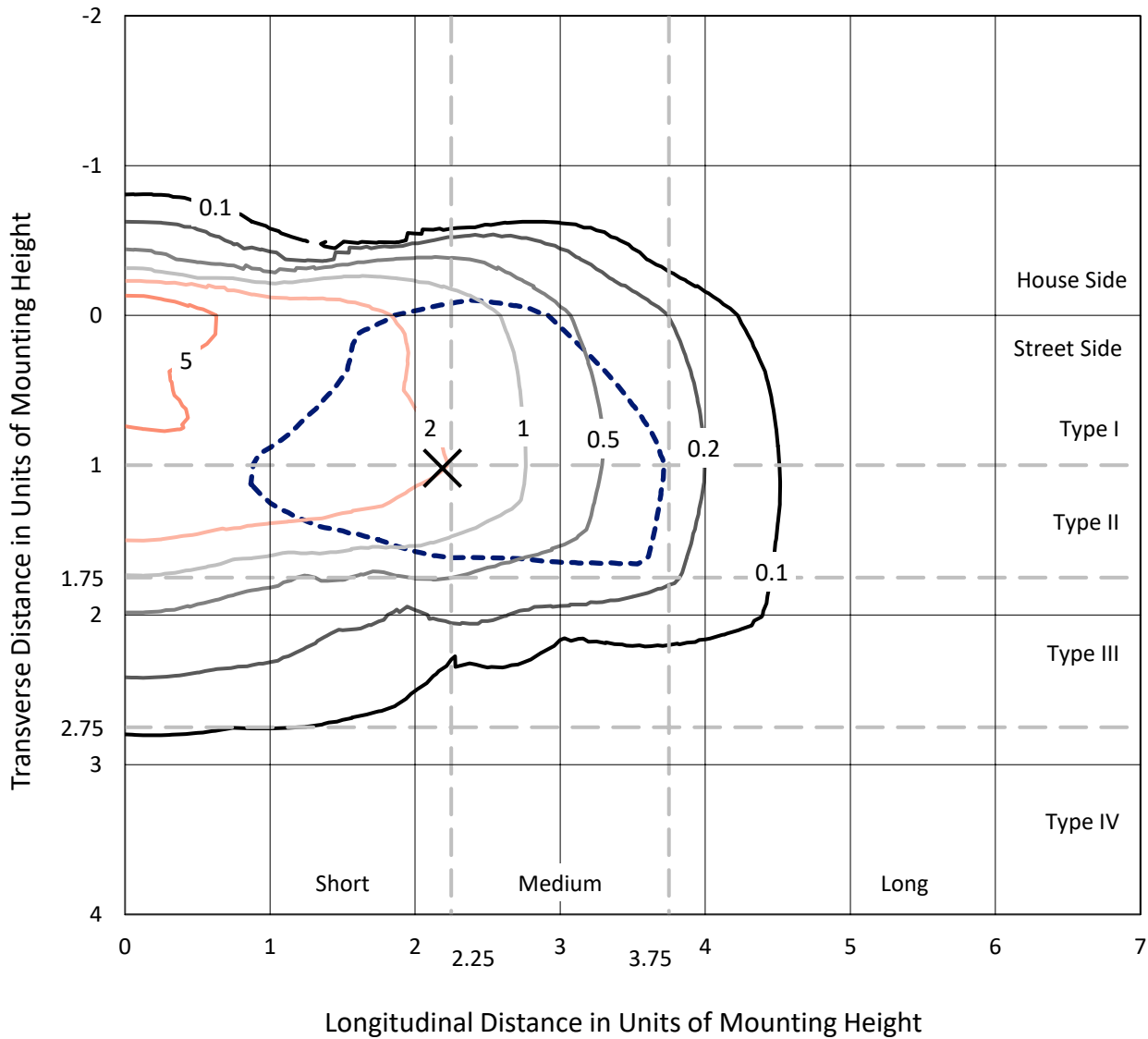
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

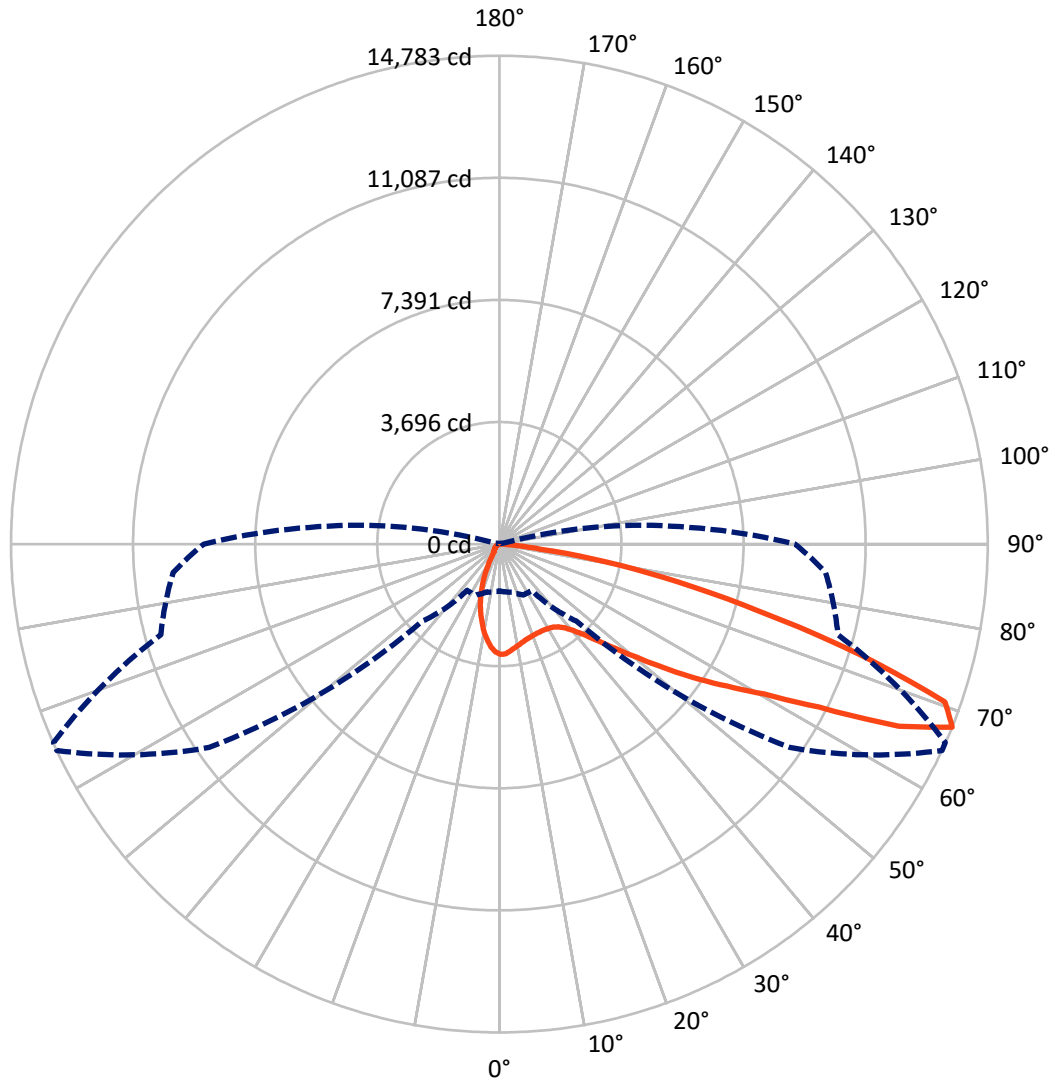
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.3 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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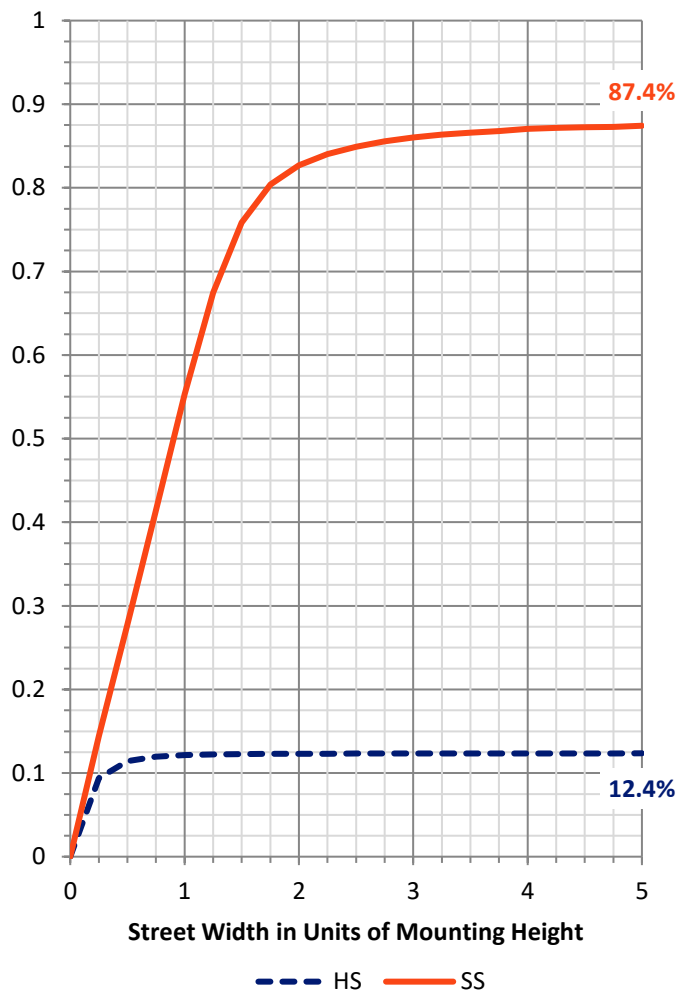
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1718.1	0.0	1718.1
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	12041.1	0.0	12041.1
	% Fixture	87.5	0.0	87.5
Total	Lumens	13759.2	0.0	13759.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.2	2.0
10°-20°	623.0	4.5
20°-30°	890.3	6.5
30°-40°	1295.2	9.4
40°-50°	2028.6	14.7
50°-60°	3164.6	23.0
60°-70°	3476.2	25.3
70°-80°	1850.0	13.4
80°-90°	154.0	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°	13759.2	100.0
0°-180°	13759.2	100.0

Coefficient of Utilization

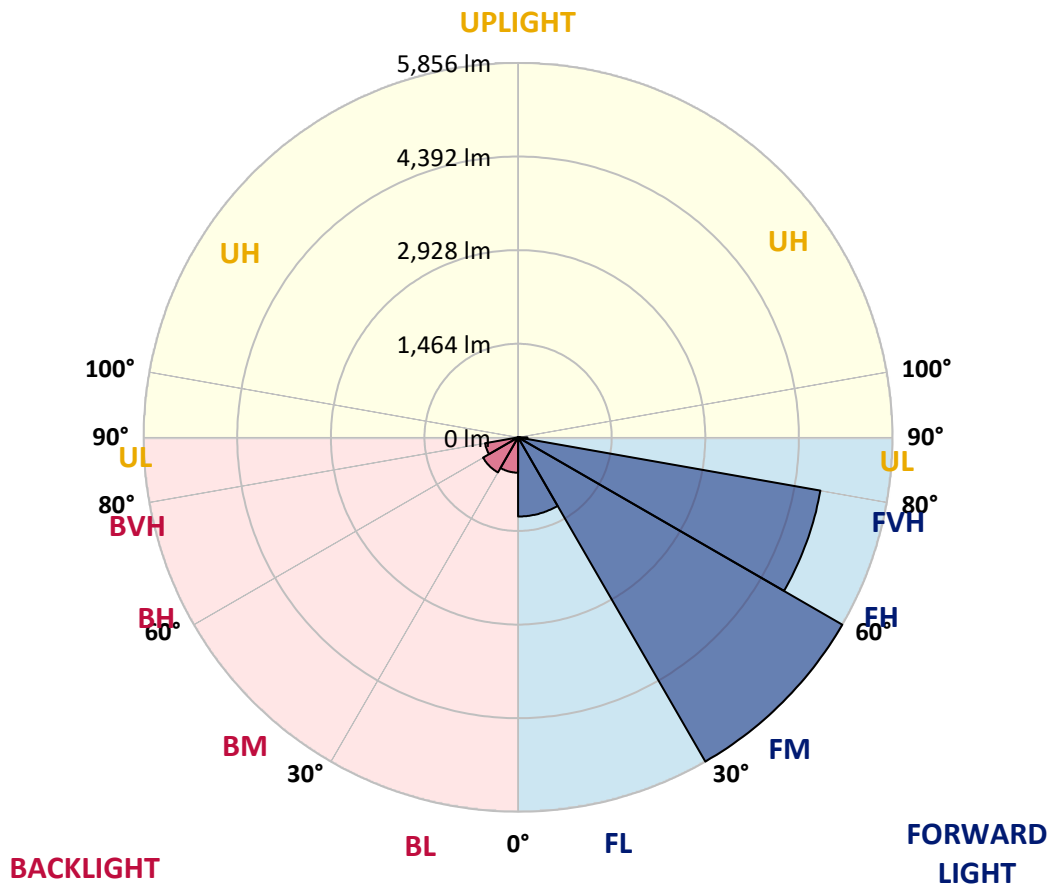


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1238.2	9.0			
FM (30°-60°)	5855.6	42.6			
FH (60°-80°)	4801.4	34.9			G2/5000
FVH (80°-90°)	145.8	1.1			G2/225
BL (0°-30°)	552.2	4.0	B2/1000		
BM (30°-60°)	632.9	4.6	B1/1000		
BH (60°-80°)	524.8	3.8	B2/1000		G2/1000
BVH (80°-90°)	8.2	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°	3337.0	3337.0	3337.0	3337.0	3337.0	3337.0	3337.0	3337.0	3337.0	3337.0	3337.0
2.5°	3221.3	3231.3	3217.6	3251.2	3257.4	3294.7	3315.9	3330.8	3329.6	3348.2	3348.2
5°	3032.2	3042.2	3034.7	3070.8	3099.4	3157.9	3206.4	3262.4	3264.9	3322.1	3343.3
7.5°	2871.7	2872.9	2872.9	2917.7	2955.1	3027.2	3099.4	3185.2	3195.2	3283.5	3339.5
10°	2739.8	2743.5	2744.8	2795.8	2836.9	2924.0	3016.0	3119.3	3130.5	3249.9	3337.0
12.5°	2649.0	2650.2	2655.2	2708.7	2753.5	2844.3	2937.6	3055.8	3070.8	3211.4	3325.8
15°	2605.4	2602.9	2605.4	2650.2	2695.0	2782.1	2877.9	3004.8	3021.0	3179.0	3327.1
17.5°	2602.9	2599.2	2596.7	2630.3	2658.9	2736.1	2833.1	2971.2	2988.7	3164.1	3340.8
20°	2639.0	2636.5	2624.1	2639.0	2645.2	2708.7	2804.5	2945.1	2962.5	3161.6	3370.6
22.5°	2733.6	2727.4	2708.7	2695.0	2661.4	2698.7	2784.6	2926.4	2946.3	3167.8	3409.2
25°	2874.2	2871.7	2848.1	2814.5	2728.6	2713.7	2785.8	2926.4	2945.1	3175.3	3450.3
27.5°	3085.7	3070.8	3040.9	2982.4	2859.3	2772.2	2810.7	2933.9	2952.6	3185.2	3483.9
30°	3301.0	3299.7	3289.8	3230.0	3047.1	2884.1	2863.0	2953.8	2971.2	3194.0	3515.0
32.5°	3523.7	3527.4	3552.3	3506.3	3305.9	3050.9	2957.5	2994.9	3007.3	3211.4	3542.3
35°	3735.2	3742.7	3808.6	3824.8	3620.7	3303.4	3111.8	3077.0	3078.2	3249.9	3578.4
37.5°	3938.0	3962.9	4068.6	4147.0	4012.7	3609.5	3334.6	3216.3	3206.4	3327.1	3633.2
40°	4168.2	4215.5	4348.6	4481.7	4439.4	4013.9	3638.1	3430.4	3409.2	3468.9	3731.5
42.5°	4423.3	4474.3	4651.0	4837.6	4857.5	4502.9	4017.6	3742.7	3706.6	3707.8	3915.6
45°	4697.0	4765.4	4970.7	5239.5	5360.2	5047.9	4485.5	4164.5	4128.4	4074.9	4211.7
47.5°	5056.6	5116.3	5314.1	5623.9	5855.4	5632.7	5098.9	4706.9	4641.0	4562.6	4672.1
50°	5366.4	5418.6	5589.1	5977.3	6458.8	6386.7	5794.4	5385.1	5321.6	5188.5	5279.3
52.5°	5434.8	5475.9	5632.7	6069.4	6920.4	7338.5	6646.7	6205.0	6160.2	5913.9	5948.7
55°	5127.5	5189.7	5330.3	5815.6	7041.1	8269.2	7752.8	7129.5	7036.2	6643.0	6705.2
57.5°	4351.1	4461.8	4593.7	5224.5	6713.9	8764.4	9298.2	8108.7	8024.1	7344.7	7346.0
60°	3189.0	3278.6	3366.9	3944.2	5937.5	8730.8	10700.4	9208.6	9054.3	7918.3	7897.2
62.5°	2319.3	2365.3	2364.0	2569.3	4077.4	8156.0	11437.0	10865.9	10506.3	8531.7	8411.0
65°	1824.0	1822.8	1876.3	1943.5	2277.0	6295.8	11527.8	13285.9	12897.7	9354.2	9102.8
67.5°	1419.7	1447.0	1500.5	1698.4	1710.8	3294.7	10729.0	14782.8	14775.3	10609.6	9912.8
70°	1094.9	1132.3	1208.2	1496.8	1580.2	1844.0	8027.8	14308.7	14429.4	11170.7	9339.2
72.5°	703.0	700.5	812.5	1209.4	1518.0	1536.6	4439.4	11366.1	11503.0	10118.1	7551.3
75°	393.2	395.7	459.1	740.3	1414.7	1445.8	2198.6	8104.9	8213.2	7888.5	5801.9
77.5°	154.3	159.3	215.3	389.4	933.2	1291.5	1306.4	5526.9	5543.1	4888.6	3558.5
80°	62.2	65.9	109.5	241.4	568.6	869.7	933.2	3256.2	3190.2	1892.5	1035.2
82.5°	18.7	19.9	43.5	136.9	297.4	618.4	629.6	1249.2	1179.5	406.9	263.8
85°	1.2	1.2	10.0	42.3	105.8	155.5	419.3	406.9	360.8	102.0	117.0
87.5°	0.0	0.0	1.2	1.2	2.5	5.0	44.8	74.7	75.9	18.7	52.3
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°	3337.0	3337.0	3337.0	3337.0	3337.0	3337.0	3337.0	3337.0	3337.0	3337.0	3337.0
2.5°	3348.2	3303.4	3299.7	3264.9	3230.0	3186.5	3135.5	3098.1	3072.0	3026.0	3017.3
5°	3343.3	3283.5	3227.5	3128.0	3017.3	2897.8	2793.3	2696.3	2635.3	2594.2	2576.8
7.5°	3333.3	3257.4	3128.0	2940.1	2754.7	2545.7	2382.7	2233.4	2131.4	2071.7	2045.5
10°	3325.8	3223.8	3013.5	2728.6	2441.2	2152.5	1904.9	1683.5	1560.3	1463.2	1447.0
12.5°	3310.9	3175.3	2866.7	2481.0	2110.2	1727.0	1411.0	1139.7	951.8	867.2	837.4
15°	3296.0	3124.3	2719.9	2219.7	1749.4	1276.6	893.4	632.1	502.7	462.9	460.4
17.5°	3293.5	3078.2	2560.6	1972.1	1371.1	836.1	508.9	409.4	382.0	372.0	372.0
20°	3301.0	3039.7	2403.9	1687.2	999.1	508.9	379.5	354.6	338.4	329.7	329.7
22.5°	3308.4	2999.9	2253.3	1399.8	663.2	372.0	334.7	313.5	294.9	284.9	280.0
25°	3313.4	2956.3	2086.6	1111.1	433.0	323.5	293.6	266.3	243.9	231.4	231.4
27.5°	3312.2	2904.0	1918.6	828.7	335.9	287.4	251.3	222.7	200.3	186.6	187.9
30°	3302.2	2846.8	1744.4	578.6	293.6	251.3	215.3	185.4	163.0	151.8	150.6
32.5°	3294.7	2785.8	1542.9	406.9	263.8	220.2	182.9	154.3	135.6	126.9	125.7
35°	3286.0	2726.1	1351.2	309.8	237.6	190.4	154.3	130.6	115.7	108.2	108.2
37.5°	3288.5	2663.9	1143.5	266.3	211.5	165.5	131.9	112.0	99.5	92.1	90.8
40°	3327.1	2626.6	939.4	241.4	187.9	143.1	114.5	97.1	84.6	77.1	75.9
42.5°	3422.9	2627.8	744.1	222.7	166.7	121.9	99.5	83.4	72.2	63.5	62.2
45°	3614.5	2680.1	571.1	202.8	144.3	105.8	85.9	70.9	59.7	52.3	51.0
47.5°	3928.1	2835.6	433.0	185.4	125.7	92.1	73.4	59.7	49.8	43.5	42.3
50°	4427.0	3116.8	340.9	164.2	105.8	79.6	62.2	49.8	41.1	34.8	33.6
52.5°	5026.7	3538.6	292.4	145.6	90.8	69.7	53.5	41.1	33.6	28.6	27.4
55°	5716.0	4042.5	270.0	126.9	77.1	59.7	43.5	33.6	27.4	23.6	21.2
57.5°	6348.1	4496.7	268.8	108.2	65.9	51.0	36.1	28.6	23.6	18.7	17.4
60°	6964.0	4876.2	252.6	89.6	57.2	42.3	31.1	23.6	19.9	16.2	14.9
62.5°	7522.6	5184.7	211.5	72.2	48.5	34.8	26.1	21.2	17.4	13.7	13.7
65°	8224.4	5577.9	161.8	58.5	39.8	28.6	22.4	18.7	16.2	12.4	12.4
67.5°	8949.8	5785.7	115.7	48.5	32.4	24.9	19.9	17.4	13.7	11.2	11.2
70°	8106.2	4888.6	83.4	39.8	27.4	21.2	17.4	16.2	13.7	11.2	10.0
72.5°	6330.7	3524.9	62.2	31.1	23.6	19.9	16.2	14.9	12.4	10.0	10.0
75°	4694.5	2055.5	47.3	24.9	18.7	16.2	16.2	14.9	12.4	10.0	8.7
77.5°	2551.9	716.7	36.1	19.9	14.9	12.4	13.7	13.7	11.2	8.7	7.5
80°	675.6	196.6	24.9	14.9	12.4	10.0	10.0	12.4	10.0	7.5	7.5
82.5°	196.6	57.2	17.4	12.4	10.0	8.7	8.7	8.7	7.5	6.2	5.0
85°	95.8	21.2	12.4	10.0	8.7	7.5	6.2	6.2	5.0	3.7	3.7
87.5°	42.3	8.7	10.0	8.7	8.7	6.2	5.0	3.7	3.7	2.5	1.2
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)