

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: P635281

Luminaire Tested: GWS-SA3D-740-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635281
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13950.3 lumens
Efficiency: N/A
Efficacy: 115.5 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

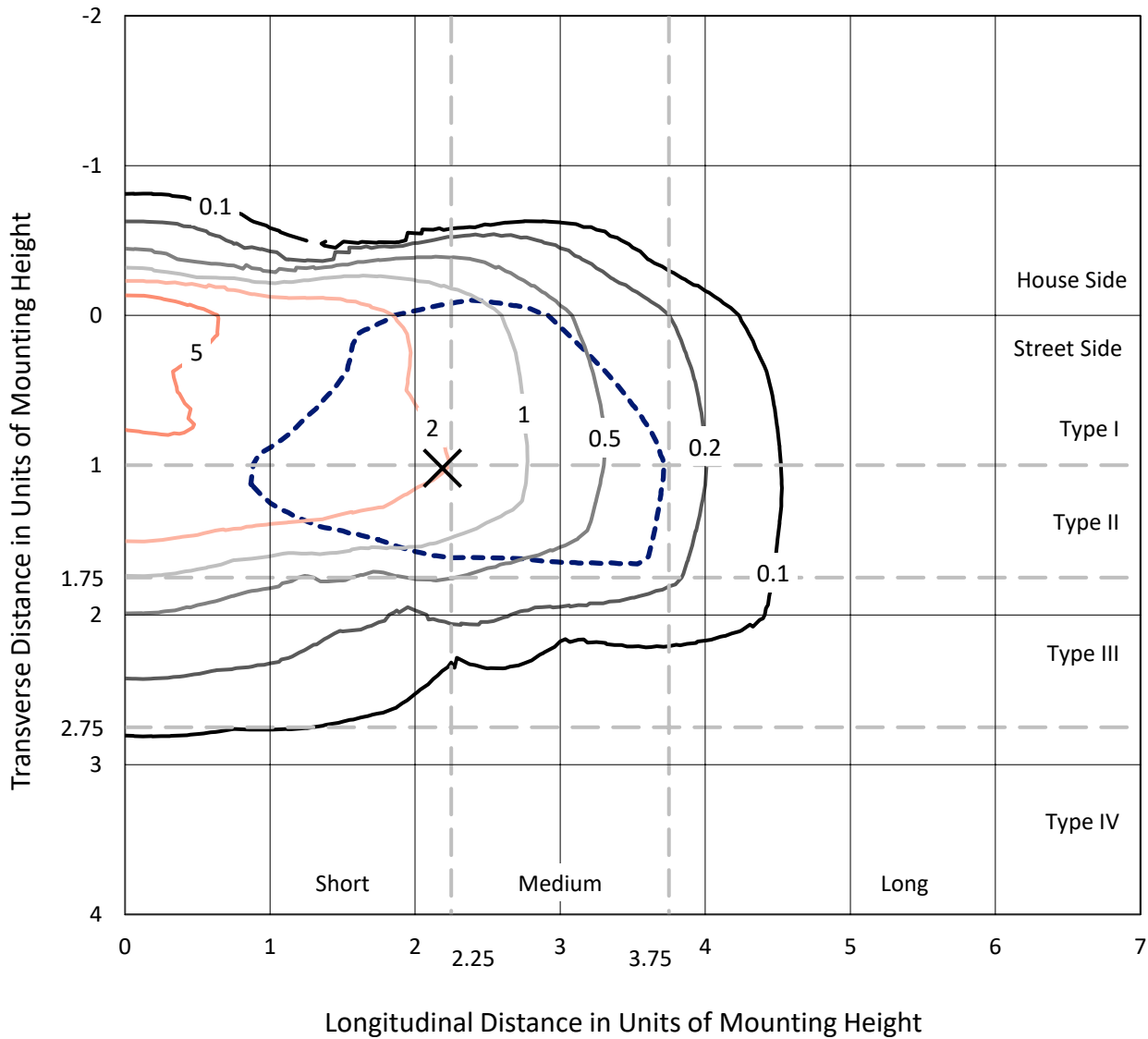
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

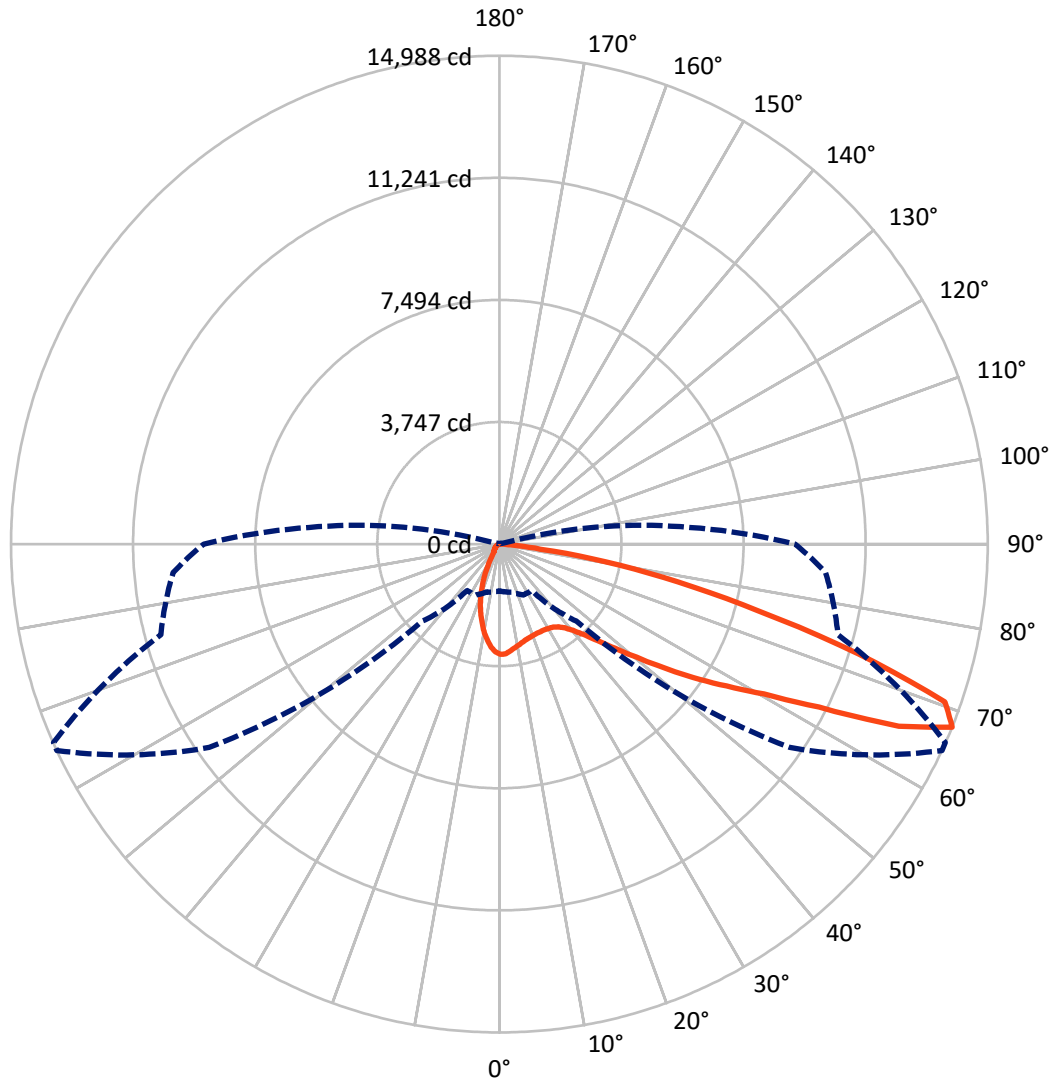
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.5 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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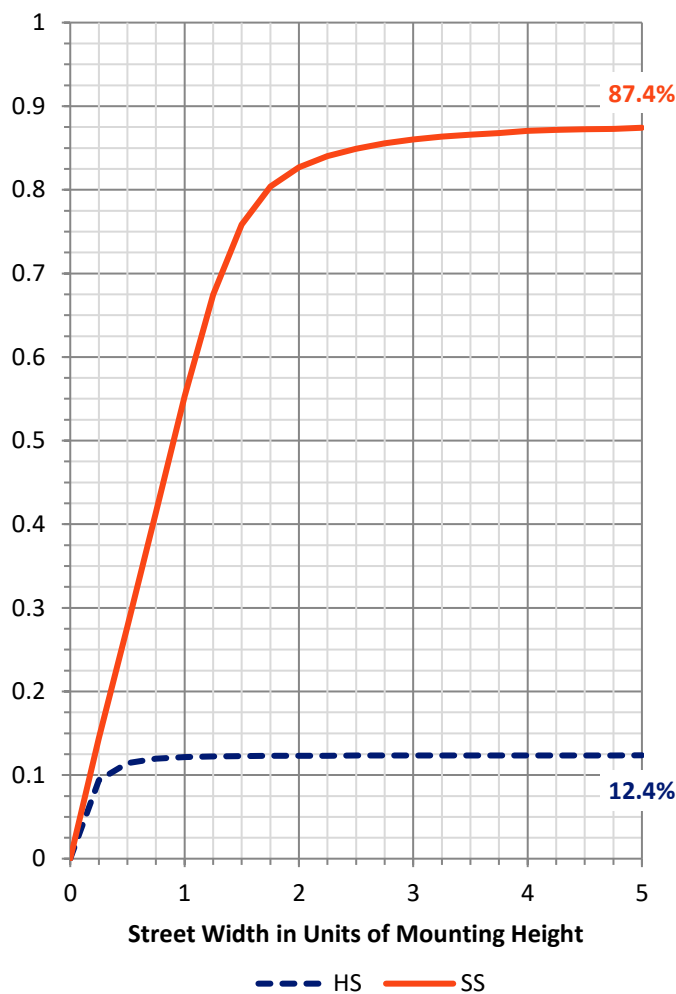
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1742.0	0.0	1742.0
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	12208.3	0.0	12208.3
	% Fixture	87.5	0.0	87.5
Total	Lumens	13950.3	0.0	13950.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.0	2.0
10°-20°	631.7	4.5
20°-30°	902.7	6.5
30°-40°	1313.2	9.4
40°-50°	2056.8	14.7
50°-60°	3208.6	23.0
60°-70°	3524.5	25.3
70°-80°	1875.7	13.4
80°-90°	156.2	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°	13950.3	100.0
0°-180°	13950.3	100.0

Coefficient of Utilization

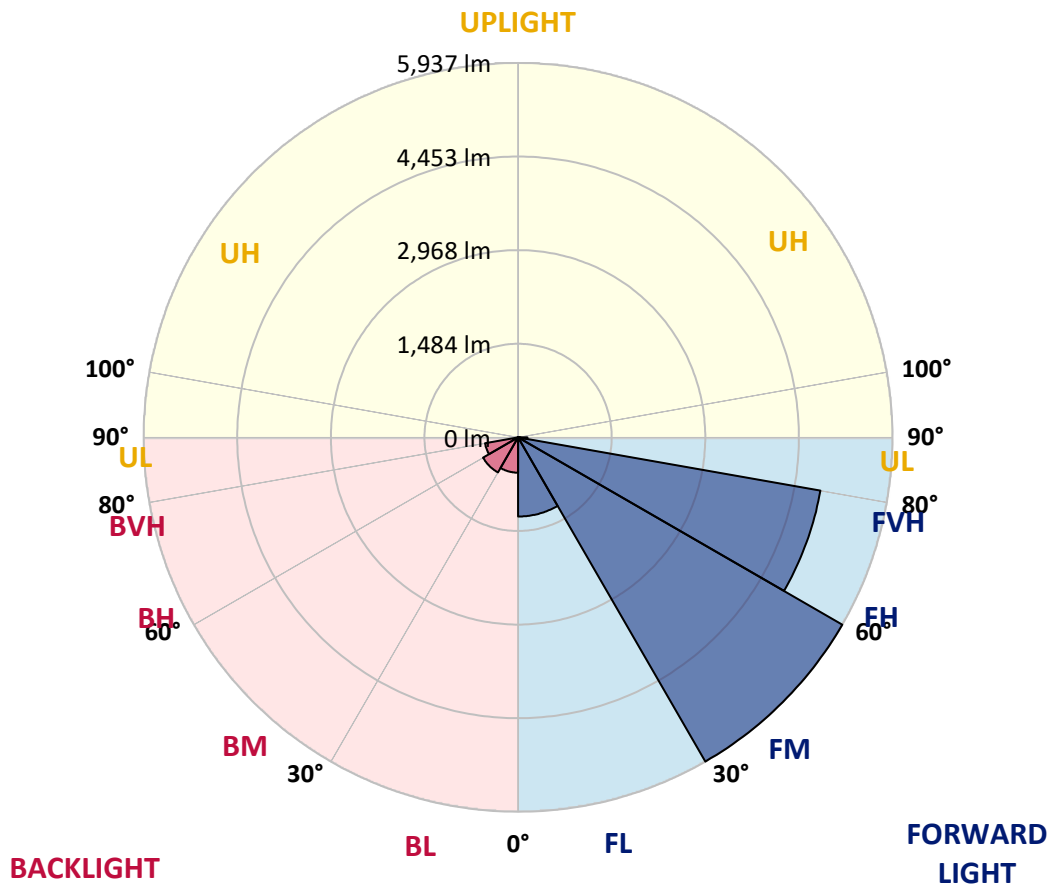


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1255.4	9.0			
FM (30°-60°)	5936.9	42.6			
FH (60°-80°)	4868.1	34.9			G2/5000
FVH (80°-90°)	147.8	1.1			G2/225
BL (0°-30°)	559.9	4.0	B2/1000		
BM (30°-60°)	641.6	4.6	B1/1000		
BH (60°-80°)	532.1	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°	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4
2.5°	3266.1	3276.2	3262.3	3296.3	3302.7	3340.5	3361.9	3377.1	3375.8	3394.7	3394.7
5°	3074.3	3084.4	3076.8	3113.4	3142.4	3201.7	3250.9	3307.7	3310.2	3368.2	3389.7
7.5°	2911.6	2912.8	2912.8	2958.3	2996.1	3069.3	3142.4	3229.5	3239.6	3329.1	3385.9
10°	2777.9	2781.6	2782.9	2834.6	2876.3	2964.6	3057.9	3162.6	3174.0	3295.1	3383.4
12.5°	2685.8	2687.0	2692.1	2746.3	2791.7	2883.8	2978.4	3098.3	3113.4	3256.0	3372.0
15°	2641.6	2639.1	2641.6	2687.0	2732.4	2820.8	2917.9	3046.6	3063.0	3223.2	3373.3
17.5°	2639.1	2635.3	2632.8	2666.8	2695.9	2774.1	2872.5	3012.5	3030.2	3208.0	3387.2
20°	2675.7	2673.2	2660.5	2675.7	2682.0	2746.3	2843.5	2986.0	3003.7	3205.5	3417.4
22.5°	2771.6	2765.2	2746.3	2732.4	2698.4	2736.2	2823.3	2967.1	2987.3	3211.8	3456.6
25°	2914.1	2911.6	2887.6	2853.6	2766.5	2751.4	2824.5	2967.1	2986.0	3219.4	3498.2
27.5°	3128.6	3113.4	3083.1	3023.9	2899.0	2810.7	2849.8	2974.7	2993.6	3229.5	3532.2
30°	3346.8	3345.5	3335.4	3274.9	3089.5	2924.2	2902.7	2994.8	3012.5	3238.3	3563.8
32.5°	3572.6	3576.4	3601.6	3555.0	3351.8	3093.2	2998.6	3036.5	3049.1	3256.0	3591.5
35°	3787.1	3794.6	3861.5	3877.9	3671.0	3349.3	3155.1	3119.7	3121.0	3295.1	3628.1
37.5°	3992.7	4017.9	4125.2	4204.6	4068.4	3659.7	3380.9	3261.0	3250.9	3373.3	3683.6
40°	4226.1	4274.0	4409.0	4544.0	4501.1	4069.7	3688.7	3478.0	3456.6	3517.1	3783.3
42.5°	4484.7	4536.4	4715.5	4904.8	4925.0	4565.4	4073.4	3794.6	3758.1	3759.3	3970.0
45°	4762.2	4831.6	5039.8	5312.2	5434.6	5118.0	4547.8	4222.3	4185.7	4131.5	4270.2
47.5°	5126.8	5187.4	5387.9	5702.1	5936.7	5710.9	5169.7	4772.3	4705.5	4626.0	4737.0
50°	5440.9	5493.9	5666.7	6060.3	6548.5	6475.4	5874.9	5459.8	5395.5	5260.5	5352.6
52.5°	5510.3	5551.9	5710.9	6153.7	7016.6	7440.4	6739.0	6291.2	6245.8	5996.0	6031.3
55°	5198.7	5261.8	5404.3	5896.3	7138.9	8384.0	7860.5	7228.5	7133.9	6735.2	6798.3
57.5°	4411.5	4523.8	4657.5	5297.1	6807.1	8886.1	9427.3	8221.3	8135.5	7446.7	7448.0
60°	3233.3	3324.1	3413.7	3999.0	6020.0	8852.1	10849.0	9336.5	9180.1	8028.3	8006.8
62.5°	2351.5	2398.1	2396.9	2605.0	4134.0	8269.2	11595.9	11016.8	10652.2	8650.2	8527.9
65°	1849.4	1848.1	1902.4	1970.5	2308.6	6383.3	11688.0	13470.5	13076.9	9484.1	9229.3
67.5°	1439.4	1467.1	1521.4	1722.0	1734.6	3340.5	10878.1	14988.1	14980.5	10757.0	10050.5
70°	1110.1	1148.0	1224.9	1517.6	1602.1	1869.6	8139.3	14507.4	14629.8	11325.9	9468.9
72.5°	712.8	710.2	823.8	1226.2	1539.1	1558.0	4501.1	11524.0	11662.7	10258.7	7656.1
75°	398.6	401.2	465.5	750.6	1434.3	1465.9	2229.1	8217.5	8327.3	7998.0	5882.5
77.5°	156.4	161.5	218.2	394.9	946.1	1309.5	1324.6	5603.7	5620.1	4956.5	3607.9
80°	63.1	66.9	111.0	244.7	576.5	881.8	946.1	3301.4	3234.5	1918.8	1049.6
82.5°	18.9	20.2	44.2	138.8	301.5	627.0	638.3	1266.6	1195.9	412.5	267.4
85°	1.3	1.3	10.1	42.9	107.2	157.7	425.1	412.5	365.8	103.4	118.6
87.5°	0.0	0.0	1.3	1.3	2.5	5.0	45.4	75.7	77.0	18.9	53.0
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°	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4
2.5°	3394.7	3349.3	3345.5	3310.2	3274.9	3230.7	3179.0	3141.2	3114.7	3068.0	3059.2
5°	3389.7	3329.1	3272.4	3171.5	3059.2	2938.1	2832.1	2733.7	2671.9	2630.3	2612.6
7.5°	3379.6	3302.7	3171.5	2981.0	2793.0	2581.1	2415.8	2264.4	2161.0	2100.4	2073.9
10°	3372.0	3268.6	3055.4	2766.5	2475.1	2182.4	1931.4	1706.8	1581.9	1483.5	1467.1
12.5°	3356.9	3219.4	2906.5	2515.5	2139.5	1751.0	1430.6	1155.5	965.1	879.3	849.0
15°	3341.8	3167.7	2757.7	2250.5	1773.7	1294.3	905.8	640.9	509.7	469.3	466.8
17.5°	3339.2	3121.0	2596.2	1999.5	1390.2	847.7	516.0	415.0	387.3	377.2	377.2
20°	3346.8	3081.9	2437.2	1710.6	1013.0	516.0	384.8	359.5	343.1	334.3	334.3
22.5°	3354.4	3041.5	2284.6	1419.2	672.4	377.2	339.3	317.9	299.0	288.9	283.8
25°	3359.4	2997.4	2115.6	1126.5	439.0	328.0	297.7	270.0	247.3	234.6	234.6
27.5°	3358.2	2944.4	1945.3	840.2	340.6	291.4	254.8	225.8	203.1	189.2	190.5
30°	3348.1	2886.3	1768.6	586.6	297.7	254.8	218.2	188.0	165.3	153.9	152.6
32.5°	3340.5	2824.5	1564.3	412.5	267.4	223.3	185.4	156.4	137.5	128.7	127.4
35°	3331.7	2764.0	1370.0	314.1	240.9	193.0	156.4	132.5	117.3	109.8	109.8
37.5°	3334.2	2700.9	1159.3	270.0	214.5	167.8	133.7	113.5	100.9	93.4	92.1
40°	3373.3	2663.1	952.4	244.7	190.5	145.1	116.1	98.4	85.8	78.2	77.0
42.5°	3470.4	2664.3	754.4	225.8	169.0	123.6	100.9	84.5	73.2	64.3	63.1
45°	3664.7	2717.3	579.0	205.6	146.3	107.2	87.0	71.9	60.6	53.0	51.7
47.5°	3982.6	2875.0	439.0	188.0	127.4	93.4	74.4	60.6	50.5	44.2	42.9
50°	4488.5	3160.1	345.7	166.5	107.2	80.7	63.1	50.5	41.6	35.3	34.1
52.5°	5096.5	3587.8	296.5	147.6	92.1	70.6	54.2	41.6	34.1	29.0	27.8
55°	5795.4	4098.7	273.7	128.7	78.2	60.6	44.2	34.1	27.8	24.0	21.4
57.5°	6436.3	4559.1	272.5	109.8	66.9	51.7	36.6	29.0	24.0	18.9	17.7
60°	7060.7	4943.9	256.1	90.8	58.0	42.9	31.5	24.0	20.2	16.4	15.1
62.5°	7627.1	5256.7	214.5	73.2	49.2	35.3	26.5	21.4	17.7	13.9	13.9
65°	8338.6	5655.4	164.0	59.3	40.4	29.0	22.7	18.9	16.4	12.6	12.6
67.5°	9074.1	5866.1	117.3	49.2	32.8	25.2	20.2	17.7	13.9	11.4	11.4
70°	8218.8	4956.5	84.5	40.4	27.8	21.4	17.7	16.4	13.9	11.4	10.1
72.5°	6418.6	3573.9	63.1	31.5	24.0	20.2	16.4	15.1	12.6	10.1	10.1
75°	4759.7	2084.0	47.9	25.2	18.9	16.4	16.4	15.1	12.6	10.1	8.8
77.5°	2587.4	726.6	36.6	20.2	15.1	12.6	13.9	13.9	11.4	8.8	7.6
80°	685.0	199.3	25.2	15.1	12.6	10.1	10.1	12.6	10.1	7.6	7.6
82.5°	199.3	58.0	17.7	12.6	10.1	8.8	8.8	8.8	7.6	6.3	5.0
85°	97.1	21.4	12.6	10.1	8.8	7.6	6.3	6.3	5.0	3.8	3.8
87.5°	42.9	8.8	10.1	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)