

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: P635227

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
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
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17056.5 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

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

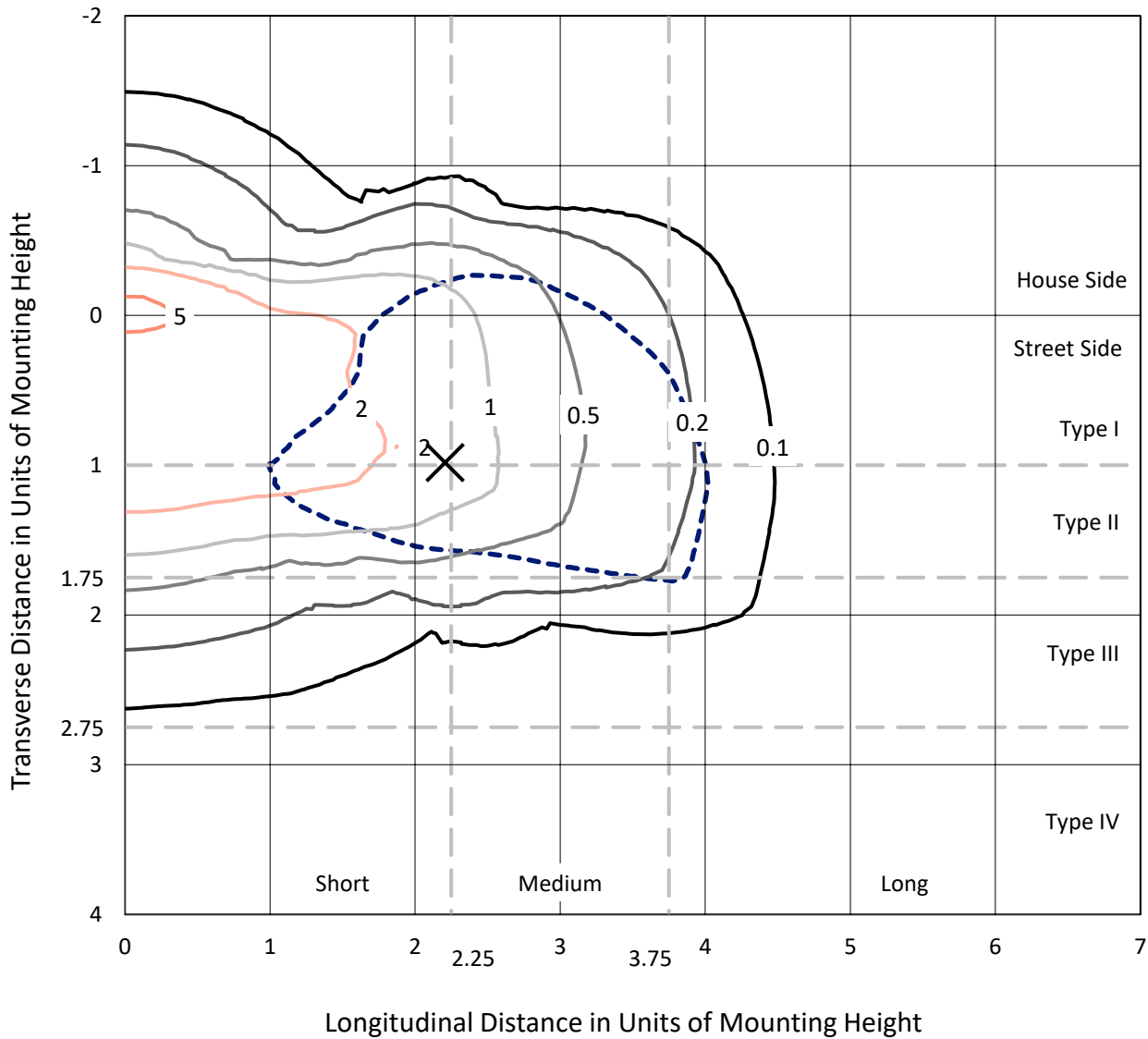


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Iso-Footcandle Lines of Horizontal Illumination

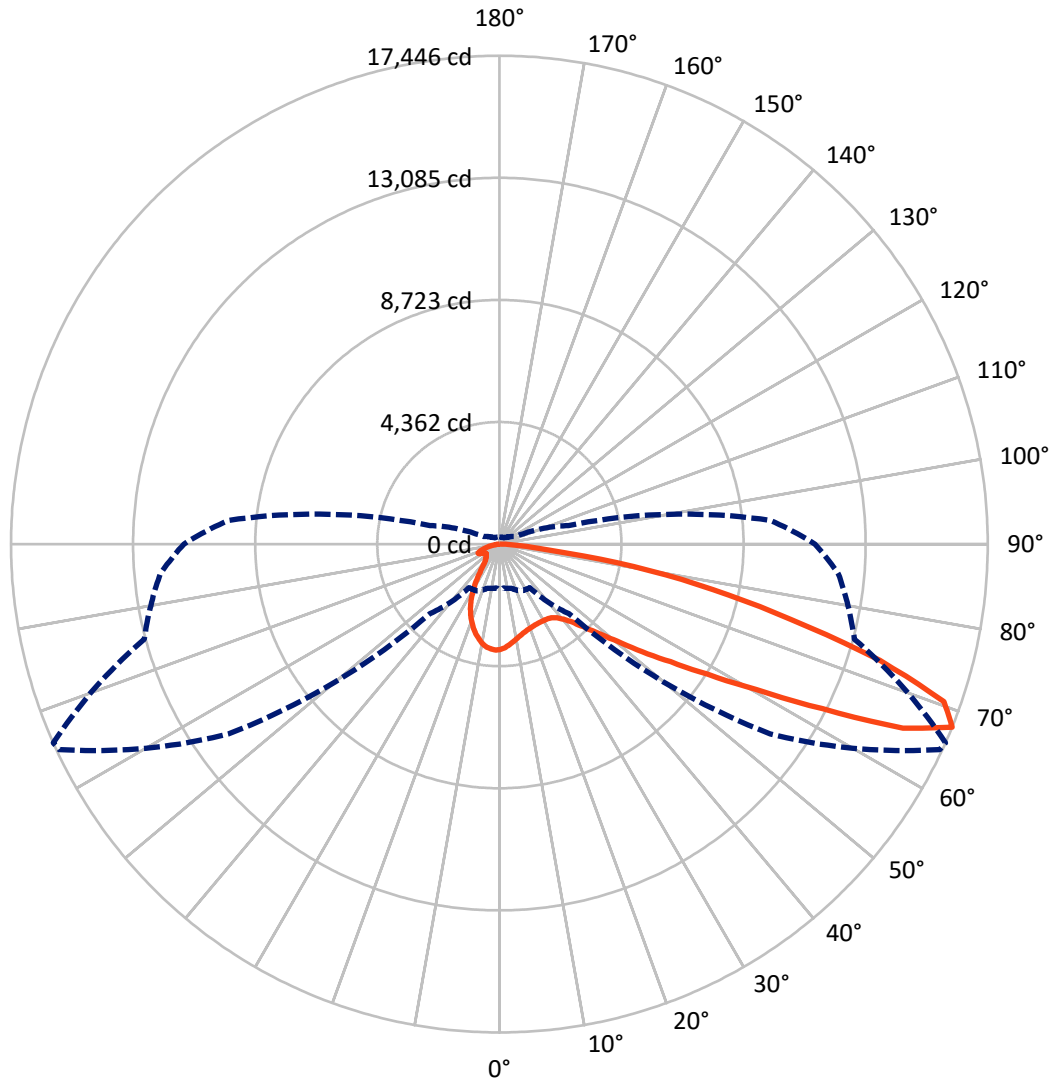
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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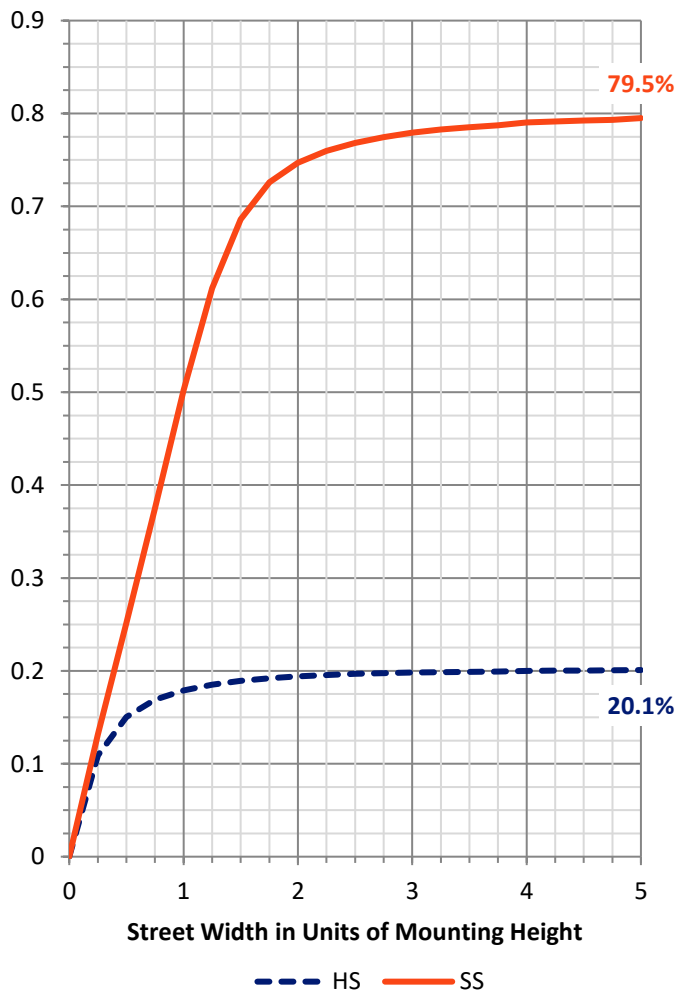
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3461.2	0.0	3461.2
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	13595.3	0.0	13595.3
	% Fixture	79.7	0.0	79.7
Total	Lumens	17056.5	0.0	17056.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.8	1.9
10°-20°	812.9	4.8
20°-30°	1117.4	6.6
30°-40°	1527.7	9.0
40°-50°	2314.8	13.6
50°-60°	3598.4	21.1
60°-70°	4381.0	25.7
70°-80°	2668.7	15.6
80°-90°	304.8	1.8
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°	17056.5	100.0
0°-180°	17056.5	100.0

Coefficient of Utilization



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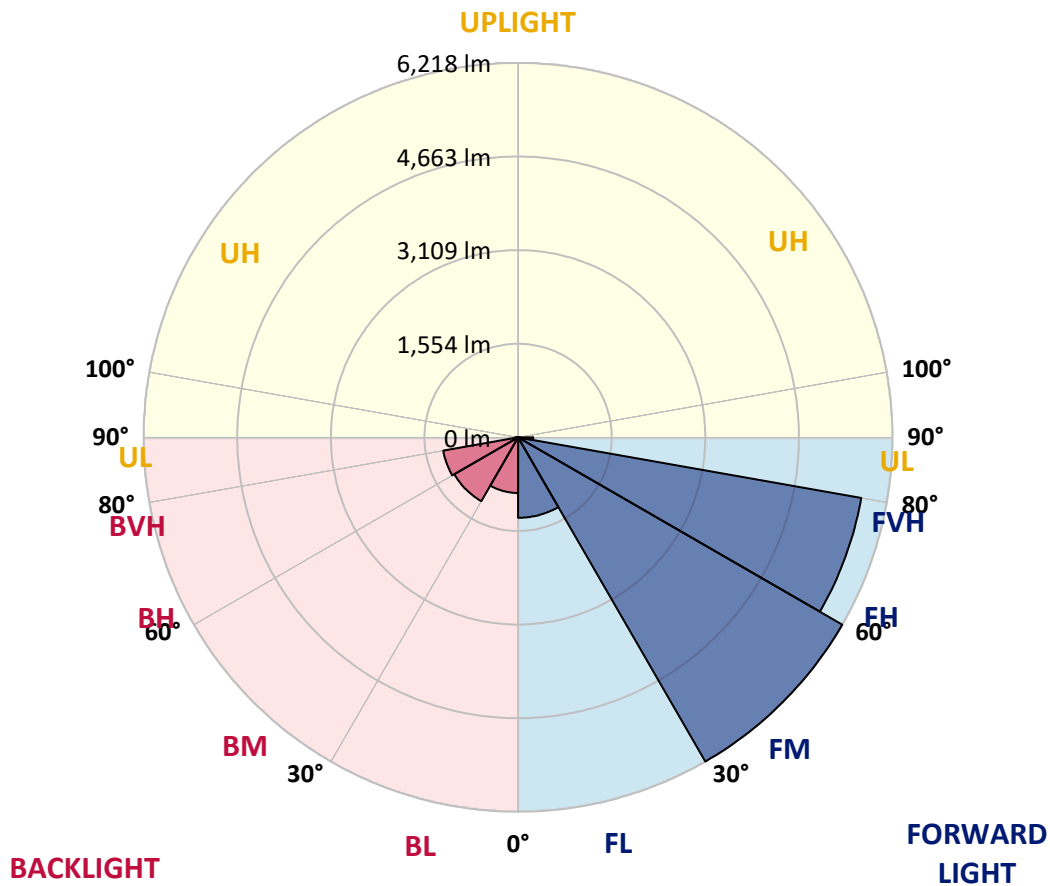
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1336.5	7.8			
FM (30°-60°)	6217.7	36.5			
FH (60°-80°)	5787.7	33.9			G3/7500
FVH (80°-90°)	253.4	1.5			G3/500
BL (0°-30°)	924.6	5.4	B2/1000		
BM (30°-60°)	1223.1	7.2	B2/2500		
BH (60°-80°)	1262.0	7.4	B3/2500		G3/2500
BVH (80°-90°)	51.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3769.0	3769.0	3769.0	3769.0	3769.0	3769.0	3769.0	3769.0	3769.0	3769.0	3769.0
2.5°	3530.1	3542.5	3535.1	3582.4	3584.8	3644.6	3678.2	3706.8	3709.3	3746.6	3771.5
5°	3288.7	3296.2	3296.2	3341.0	3370.8	3450.5	3527.6	3609.7	3616.0	3705.5	3774.0
7.5°	3093.3	3100.8	3095.8	3155.6	3194.1	3282.5	3380.8	3506.5	3518.9	3663.2	3782.7
10°	2940.3	2937.8	2950.2	3005.0	3054.8	3160.5	3270.0	3413.1	3431.8	3614.7	3792.6
12.5°	2835.8	2838.3	2845.7	2903.0	2956.5	3061.0	3174.2	3329.8	3349.7	3558.7	3787.7
15°	2786.0	2781.0	2787.2	2839.5	2890.5	2982.6	3099.6	3260.1	3280.0	3508.9	3788.9
17.5°	2774.8	2771.1	2769.8	2807.2	2845.7	2931.6	3043.6	3206.6	3227.7	3476.6	3796.4
20°	2809.6	2804.7	2791.0	2807.2	2823.3	2895.5	3003.8	3168.0	3191.6	3455.4	3811.3
22.5°	2905.5	2896.7	2875.6	2855.7	2834.5	2878.1	2978.9	3139.4	3163.0	3441.7	3826.2
25°	3051.0	3043.6	3021.2	2976.4	2899.2	2891.8	2973.9	3126.9	3150.6	3431.8	3832.5
27.5°	3251.4	3240.2	3217.8	3153.1	3027.4	2942.8	2992.6	3125.7	3148.1	3420.6	3826.2
30°	3489.0	3481.6	3469.1	3390.7	3222.8	3051.0	3034.9	3135.7	3153.1	3414.4	3813.8
32.5°	3730.4	3723.0	3732.9	3695.6	3489.0	3230.2	3126.9	3163.0	3175.5	3413.1	3802.6
35°	3943.2	3951.9	4024.1	4030.3	3827.5	3472.9	3272.5	3226.5	3229.0	3438.0	3807.6
37.5°	4165.9	4199.5	4294.1	4375.0	4205.8	3793.9	3489.0	3345.9	3343.4	3501.5	3838.7
40°	4460.8	4475.8	4596.5	4748.3	4642.5	4234.4	3796.4	3541.3	3523.9	3630.9	3922.1
42.5°	4748.3	4784.4	4977.2	5151.4	5116.6	4730.9	4183.4	3833.7	3802.6	3859.8	4093.8
45°	5114.1	5148.9	5365.4	5589.4	5652.9	5292.0	4678.6	4249.3	4218.2	4204.5	4408.6
47.5°	5479.9	5516.0	5710.1	6033.6	6256.4	5993.8	5323.1	4798.0	4747.0	4693.5	4883.9
50°	5726.3	5768.6	5954.0	6342.2	6864.8	6869.8	6087.1	5517.3	5452.5	5367.9	5553.3
52.5°	5717.6	5745.0	5921.7	6369.6	7302.8	7876.5	7110.0	6433.1	6380.8	6196.6	6358.4
55°	5268.4	5309.5	5487.4	6047.3	7350.1	8830.8	8613.1	7513.1	7419.8	7090.1	7268.0
57.5°	4366.3	4401.1	4580.3	5270.9	6930.8	9319.9	10521.8	8889.3	8761.2	8063.1	8268.4
60°	3296.2	3253.9	3338.5	3943.2	5927.9	9332.3	12206.6	10755.8	10541.8	9103.3	9275.1
62.5°	2473.7	2431.4	2450.0	2620.5	4019.1	8578.2	13167.2	13309.1	12955.7	10278.0	10244.4
65°	1954.8	1931.2	1984.7	2101.6	2343.0	6532.6	13174.7	16070.2	15847.5	11639.2	11238.6
67.5°	1592.7	1577.8	1632.5	1849.0	1900.1	3510.2	11813.4	17359.3	17446.4	13129.9	12160.6
70°	1282.9	1260.5	1346.3	1631.3	1766.9	2124.0	8462.5	16702.3	16842.9	14018.3	11900.5
72.5°	885.9	887.2	930.7	1321.5	1705.9	1834.1	4786.8	13907.6	14212.5	13213.3	10462.1
75°	597.3	602.2	614.7	872.3	1571.6	1779.4	2550.8	10529.3	10744.6	10921.3	8647.9
77.5°	360.8	363.3	392.0	527.6	1083.8	1661.1	1728.3	7632.6	7801.8	7199.6	5360.5
80°	209.0	217.8	243.9	353.4	731.7	1248.0	1337.6	4679.8	4871.5	3200.4	1703.5
82.5°	92.1	98.3	133.1	205.3	426.8	1061.4	1044.0	1849.0	1821.7	892.2	591.0
85°	16.2	19.9	28.6	64.7	156.8	559.9	810.0	816.3	767.7	338.5	245.1
87.5°	0.0	0.0	0.0	0.0	0.0	3.7	121.9	219.0	217.8	95.8	84.6
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°	3769.0	3769.0	3769.0	3769.0	3769.0	3769.0	3769.0	3769.0	3769.0	3769.0	3769.0
2.5°	3787.7	3754.1	3783.9	3787.7	3781.4	3776.5	3739.1	3706.8	3703.1	3668.2	3668.2
5°	3801.4	3770.2	3785.2	3756.6	3711.8	3665.7	3586.1	3531.3	3506.5	3461.7	3461.7
7.5°	3820.0	3787.7	3770.2	3699.3	3594.8	3494.0	3365.8	3258.8	3215.3	3151.8	3149.3
10°	3837.4	3796.4	3736.7	3598.5	3431.8	3271.3	3084.6	2932.8	2829.6	2753.6	2753.6
12.5°	3836.2	3782.7	3664.5	3460.4	3230.2	2997.5	2748.7	2519.7	2382.8	2264.6	2257.2
15°	3833.7	3760.3	3572.4	3299.9	2995.0	2672.8	2334.3	2035.7	1832.9	1717.1	1707.2
17.5°	3831.2	3731.7	3469.1	3117.0	2708.9	2269.6	1822.9	1499.4	1330.2	1259.2	1261.7
20°	3831.2	3699.3	3358.4	2906.7	2379.1	1786.8	1337.6	1102.5	1060.1	1063.9	1067.6
22.5°	3820.0	3659.5	3235.2	2677.7	2012.0	1314.0	986.7	907.1	929.5	964.3	969.3
25°	3793.9	3593.6	3092.1	2423.9	1575.3	956.9	805.1	790.1	831.2	874.7	887.2
27.5°	3752.8	3517.7	2931.6	2126.5	1159.7	769.0	708.0	706.8	739.1	771.5	782.7
30°	3709.3	3433.0	2762.4	1795.5	839.9	669.4	645.8	645.8	662.0	681.9	679.4
32.5°	3658.3	3347.2	2580.7	1450.9	684.4	613.4	606.0	602.2	604.7	612.2	612.2
35°	3614.7	3271.3	2394.0	1086.3	613.4	582.3	574.9	566.2	562.4	557.4	559.9
37.5°	3598.5	3211.6	2201.2	818.8	578.6	559.9	547.5	535.1	526.3	523.9	522.6
40°	3624.7	3186.7	2008.3	674.4	553.7	536.3	522.6	506.4	499.0	499.0	499.0
42.5°	3726.7	3205.3	1811.7	609.7	536.3	516.4	496.5	481.5	479.1	481.5	482.8
45°	3913.3	3277.5	1607.6	577.4	521.4	496.5	472.8	461.6	461.6	464.1	464.1
47.5°	4246.8	3466.6	1406.1	557.4	506.4	480.3	455.4	444.2	443.0	445.5	445.5
50°	4824.2	3807.6	1224.4	543.8	495.2	467.9	443.0	428.0	424.3	423.1	423.1
52.5°	5552.1	4398.6	1108.7	533.8	481.5	454.2	429.3	409.4	401.9	398.2	398.2
55°	6431.8	5186.3	1108.7	526.3	464.1	438.0	409.4	389.5	378.3	373.3	373.3
57.5°	7428.5	6103.3	1300.3	520.1	450.4	419.3	388.2	368.3	355.9	348.4	348.4
60°	8442.6	7072.6	1774.4	511.4	438.0	395.7	364.6	345.9	329.7	321.0	319.8
62.5°	9494.1	8140.2	2399.0	516.4	429.3	373.3	339.7	318.5	304.9	296.1	294.9
65°	10457.1	9156.8	2945.3	555.0	430.5	353.4	311.1	292.4	281.2	270.0	268.8
67.5°	11274.7	9718.0	2562.0	633.4	456.7	329.7	282.5	263.8	253.8	246.4	245.1
70°	10702.3	8861.9	1453.3	681.9	492.7	304.9	250.1	237.7	227.7	222.7	221.5
72.5°	9151.9	7503.2	971.8	602.2	449.2	272.5	220.2	210.3	202.8	196.6	195.4
75°	7413.6	5950.3	742.9	494.0	349.6	221.5	189.1	181.7	174.2	168.0	166.7
77.5°	4386.2	3438.0	547.5	390.7	246.4	173.0	156.8	150.6	143.1	138.1	136.9
80°	1399.8	1194.5	347.2	268.8	163.0	133.1	120.7	115.7	108.3	102.0	100.8
82.5°	533.8	461.6	184.2	136.9	108.3	90.8	80.9	75.9	70.9	64.7	63.5
85°	236.4	221.5	102.0	73.4	58.5	44.8	39.8	37.3	31.1	26.1	24.9
87.5°	83.4	83.4	43.6	21.2	12.4	6.2	3.7	1.2	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)