

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: P635337

Luminaire Tested: GWS-SA3D-750-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635337
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-750-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17689.8 lumens
Efficiency: N/A
Efficacy: 146.4 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

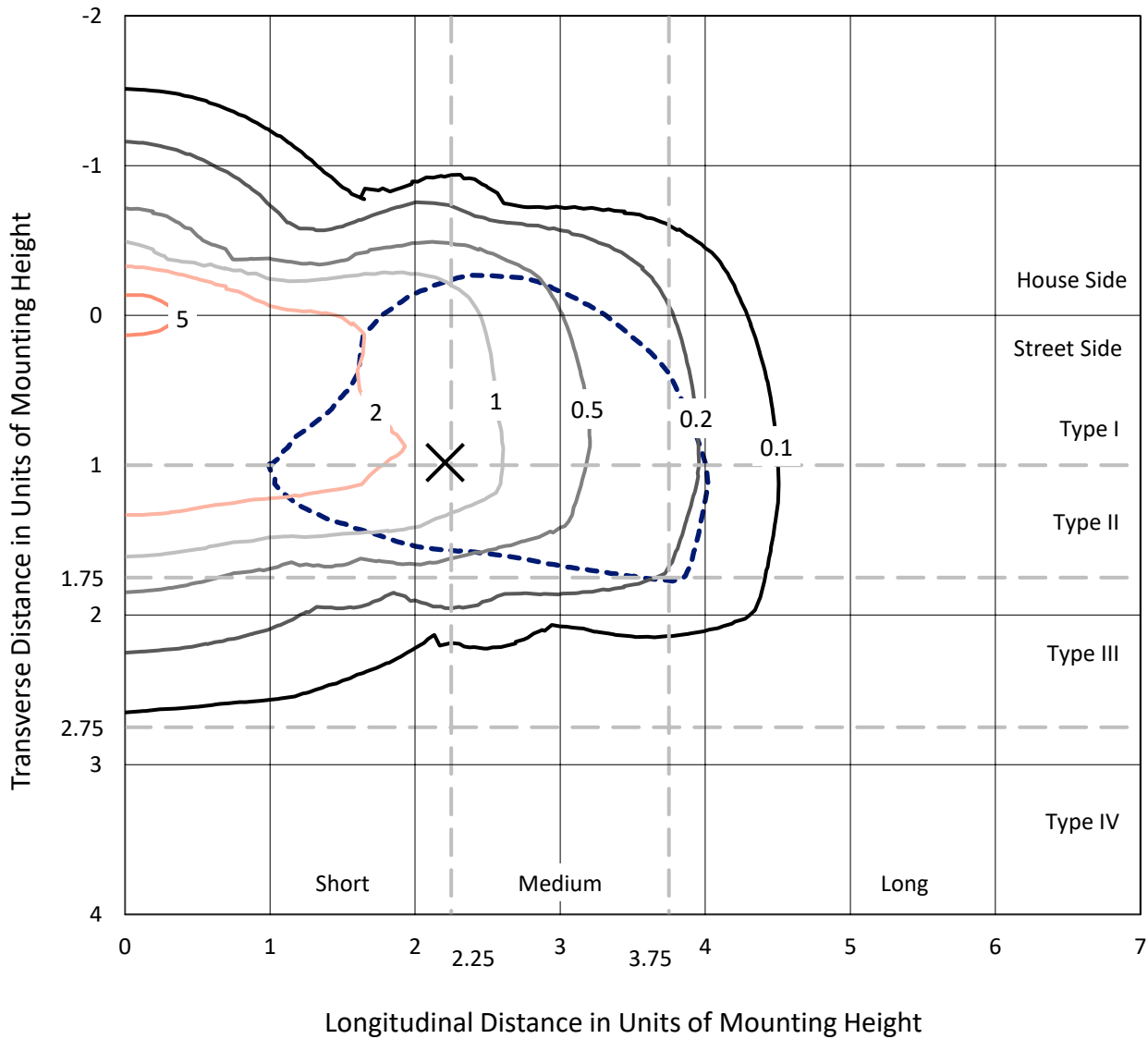
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

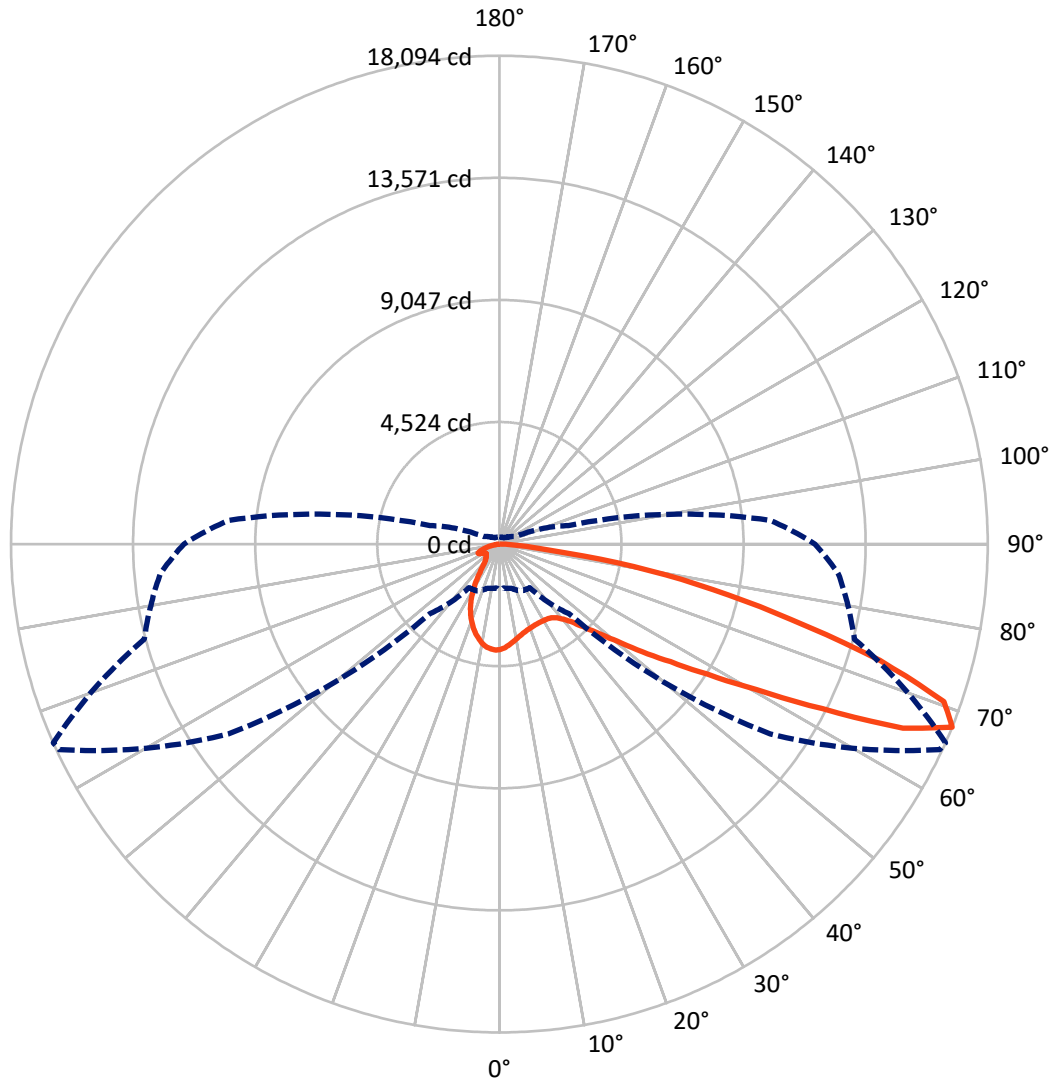
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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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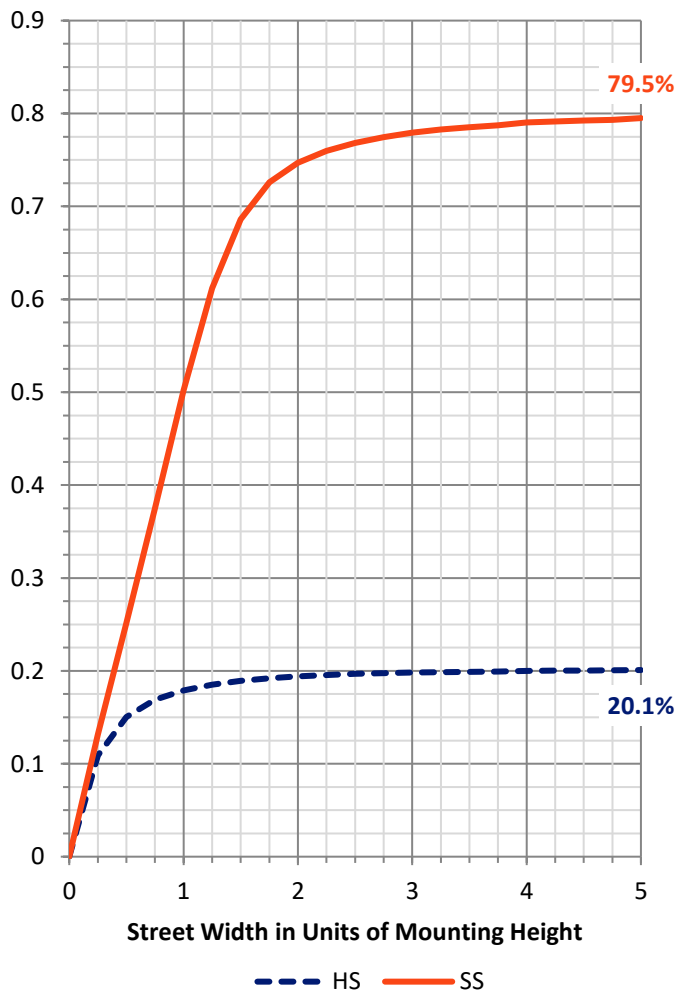
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3589.7	0.0	3589.7
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	14100.1	0.0	14100.1
	% Fixture	79.7	0.0	79.7
Total	Lumens	17689.8	0.0	17689.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.1	1.9
10°-20°	843.1	4.8
20°-30°	1158.9	6.6
30°-40°	1584.4	9.0
40°-50°	2400.7	13.6
50°-60°	3732.0	21.1
60°-70°	4543.7	25.7
70°-80°	2767.8	15.6
80°-90°	316.2	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°	17689.8	100.0
0°-180°	17689.8	100.0

Coefficient of Utilization



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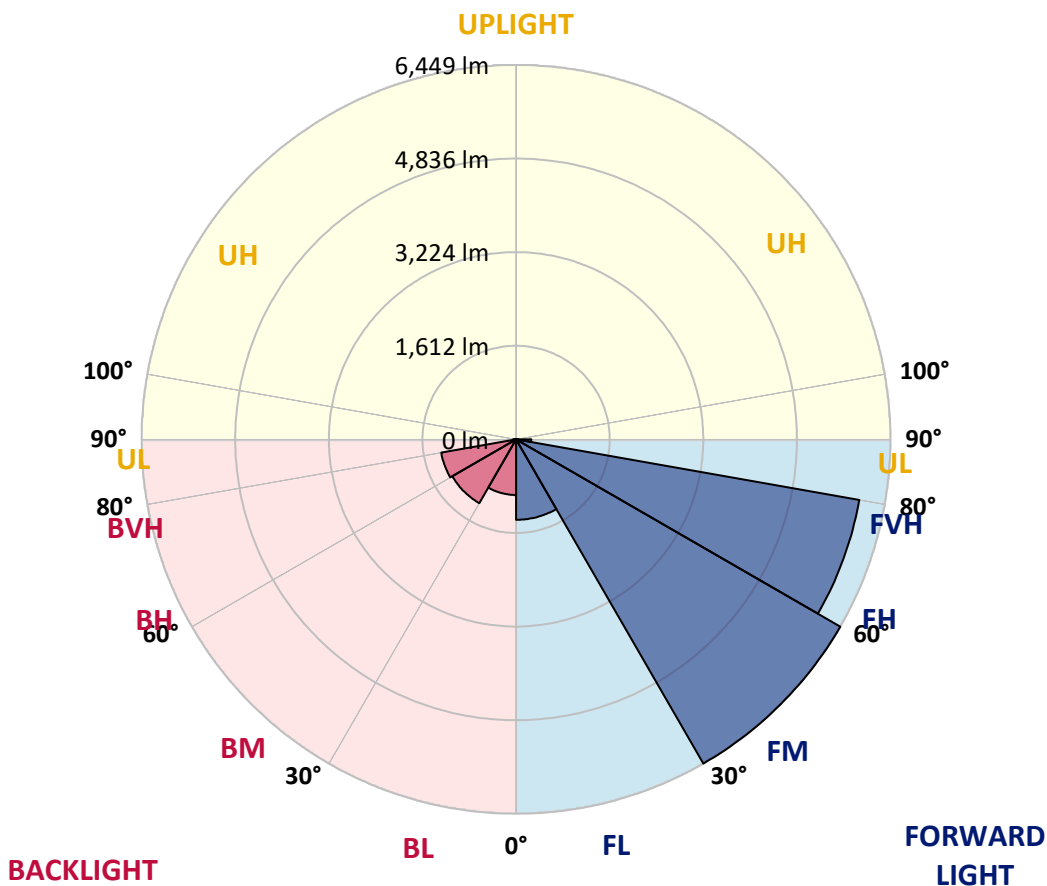
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1386.1	7.8			
FM (30°-60°)	6448.6	36.5			
FH (60°-80°)	6002.6	33.9			G3/7500
FVH (80°-90°)	262.8	1.5			G3/500
BL (0°-30°)	959.0	5.4	B2/1000		
BM (30°-60°)	1268.5	7.2	B2/2500		
BH (60°-80°)	1308.9	7.4	B3/2500		G3/2500
BVH (80°-90°)	53.3	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°	3908.9	3908.9	3908.9	3908.9	3908.9	3908.9	3908.9	3908.9	3908.9	3908.9	3908.9
2.5°	3661.2	3674.1	3666.3	3715.4	3717.9	3779.9	3814.7	3844.4	3847.0	3885.7	3911.5
5°	3410.8	3418.6	3418.6	3465.0	3496.0	3578.6	3658.6	3743.8	3750.2	3843.1	3914.1
7.5°	3208.2	3215.9	3210.8	3272.7	3312.7	3404.4	3506.3	3636.6	3649.6	3799.3	3923.1
10°	3049.5	3046.9	3059.8	3116.6	3168.2	3277.9	3391.5	3539.9	3559.2	3748.9	3933.5
12.5°	2941.1	2943.6	2951.4	3010.8	3066.2	3174.6	3292.1	3453.4	3474.0	3690.8	3928.3
15°	2889.4	2884.3	2890.7	2944.9	2997.8	3093.3	3214.7	3381.1	3401.8	3639.2	3929.6
17.5°	2877.8	2874.0	2872.7	2911.4	2951.4	3040.4	3156.6	3325.6	3347.6	3605.7	3937.3
20°	2914.0	2908.8	2894.6	2911.4	2928.2	3003.0	3115.3	3285.6	3310.1	3583.7	3952.8
22.5°	3013.3	3004.3	2982.4	2961.7	2939.8	2984.9	3089.5	3255.9	3280.5	3569.5	3968.3
25°	3164.3	3156.6	3133.3	3086.9	3006.9	2999.1	3084.3	3243.0	3267.6	3559.2	3974.8
27.5°	3372.1	3360.5	3337.2	3270.1	3139.8	3052.0	3103.7	3241.8	3265.0	3547.6	3968.3
30°	3618.6	3610.8	3597.9	3516.6	3342.4	3164.3	3147.5	3252.1	3270.1	3541.1	3955.4
32.5°	3868.9	3861.2	3871.5	3832.8	3618.6	3350.2	3243.0	3280.5	3293.4	3539.9	3943.8
35°	4089.6	4098.6	4173.5	4179.9	3969.6	3601.8	3394.0	3346.3	3348.9	3565.7	3948.9
37.5°	4320.6	4355.5	4453.5	4537.4	4361.9	3934.8	3618.6	3470.2	3467.6	3631.5	3981.2
40°	4626.5	4642.0	4767.1	4924.6	4814.9	4391.6	3937.3	3672.8	3654.7	3765.7	4067.7
42.5°	4924.6	4962.0	5162.0	5342.7	5306.6	4906.5	4338.7	3976.0	3943.8	4003.2	4245.8
45°	5304.0	5340.1	5564.7	5797.0	5862.8	5488.5	4852.3	4407.1	4374.8	4360.6	4572.3
47.5°	5683.4	5720.8	5922.1	6257.7	6488.7	6216.4	5520.8	4976.2	4923.3	4867.8	5065.2
50°	5938.9	5982.8	6175.1	6577.7	7119.7	7124.9	6313.2	5722.1	5655.0	5567.2	5759.5
52.5°	5929.9	5958.3	6141.5	6606.1	7574.0	8168.9	7374.0	6671.9	6617.7	6426.7	6594.5
55°	5464.0	5506.6	5691.1	6271.9	7623.0	9158.7	8932.9	7792.1	7695.3	7353.3	7537.8
57.5°	4528.4	4564.5	4750.4	5466.6	7188.1	9665.9	10912.5	9219.4	9086.5	8362.5	8575.4
60°	3418.6	3374.7	3462.4	4089.6	6148.0	9678.8	12659.9	11155.1	10933.2	9441.3	9619.4
62.5°	2565.5	2521.6	2541.0	2717.8	4168.3	8896.8	13656.1	13803.3	13436.8	10659.6	10624.7
65°	2027.4	2002.9	2058.4	2179.7	2430.0	6775.2	13663.9	16666.9	16435.9	12071.4	11655.9
67.5°	1651.8	1636.4	1693.1	1917.7	1970.6	3640.5	12252.1	18003.9	18094.2	13617.4	12612.1
70°	1330.5	1307.3	1396.3	1691.9	1832.5	2202.9	8776.7	17322.5	17468.3	14538.8	12342.4
72.5°	918.8	920.1	965.3	1370.5	1769.3	1902.2	4964.6	14424.0	14740.2	13703.9	10850.6
75°	619.4	624.6	637.5	904.6	1629.9	1845.4	2645.5	10920.3	11143.5	11326.8	8969.0
77.5°	374.2	376.8	406.5	547.2	1124.0	1722.8	1792.5	7916.0	8091.5	7466.9	5559.5
80°	216.8	225.8	252.9	366.5	758.8	1294.4	1387.3	4853.6	5052.3	3319.2	1766.7
82.5°	95.5	101.9	138.1	212.9	442.6	1100.8	1082.7	1917.7	1889.3	925.3	613.0
85°	16.8	20.6	29.7	67.1	162.6	580.7	840.1	846.6	796.2	351.0	254.2
87.5°	0.0	0.0	0.0	0.0	0.0	3.9	126.5	227.1	225.8	99.4	87.8
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°	3908.9	3908.9	3908.9	3908.9	3908.9	3908.9	3908.9	3908.9	3908.9	3908.9	3908.9
2.5°	3928.3	3893.5	3924.4	3928.3	3921.8	3916.7	3878.0	3844.4	3840.5	3804.4	3804.4
5°	3942.5	3910.2	3925.7	3896.0	3849.6	3801.8	3719.2	3662.5	3636.6	3590.2	3590.2
7.5°	3961.9	3928.3	3910.2	3836.7	3728.3	3623.7	3490.8	3379.8	3334.7	3268.9	3266.3
10°	3979.9	3937.3	3875.4	3732.1	3559.2	3392.7	3199.2	3041.7	2934.6	2855.9	2855.9
12.5°	3978.6	3923.1	3800.5	3588.9	3350.2	3108.8	2850.7	2613.3	2471.3	2348.7	2341.0
15°	3976.0	3899.9	3705.0	3422.4	3106.2	2772.0	2421.0	2111.3	1900.9	1780.9	1770.6
17.5°	3973.5	3870.2	3597.9	3232.7	2809.4	2353.9	1890.6	1555.1	1379.6	1306.0	1308.6
20°	3973.5	3836.7	3483.1	3014.6	2467.4	1853.2	1387.3	1143.4	1099.5	1103.4	1107.3
22.5°	3961.9	3795.4	3355.3	2777.2	2086.7	1362.8	1023.4	940.8	964.0	1000.1	1005.3
25°	3934.8	3727.0	3206.9	2513.9	1633.8	992.4	835.0	819.5	862.1	907.2	920.1
27.5°	3892.2	3648.3	3040.4	2205.5	1202.8	797.5	734.3	733.0	766.6	800.1	811.7
30°	3847.0	3560.5	2864.9	1862.2	871.1	694.3	669.8	669.8	686.5	707.2	704.6
32.5°	3794.1	3471.5	2676.5	1504.7	709.8	636.2	628.5	624.6	627.2	634.9	634.9
35°	3748.9	3392.7	2482.9	1126.6	636.2	604.0	596.2	587.2	583.3	578.1	580.7
37.5°	3732.1	3330.8	2282.9	849.2	600.1	580.7	567.8	554.9	545.9	543.3	542.0
40°	3759.2	3305.0	2082.9	699.5	574.3	556.2	542.0	525.2	517.5	517.5	517.5
42.5°	3865.1	3324.3	1879.0	632.3	556.2	535.6	514.9	499.4	496.8	499.4	500.7
45°	4058.6	3399.2	1667.3	598.8	540.7	514.9	490.4	478.8	478.8	481.4	481.4
47.5°	4404.5	3595.4	1458.3	578.1	525.2	498.1	472.3	460.7	459.4	462.0	462.0
50°	5003.3	3948.9	1269.9	564.0	513.6	485.2	459.4	443.9	440.1	438.8	438.8
52.5°	5758.2	4561.9	1149.8	553.6	499.4	471.0	445.2	424.6	416.8	413.0	413.0
55°	6670.6	5378.8	1149.8	545.9	481.4	454.3	424.6	403.9	392.3	387.2	387.2
57.5°	7704.3	6329.9	1348.6	539.4	467.2	434.9	402.6	382.0	369.1	361.3	361.3
60°	8756.1	7335.2	1840.3	530.4	454.3	410.4	378.1	358.8	342.0	333.0	331.7
62.5°	9846.6	8442.5	2488.1	535.6	445.2	387.2	352.3	330.4	316.2	307.1	305.8
65°	10845.4	9496.8	3054.6	575.6	446.5	366.5	322.6	303.3	291.7	280.0	278.7
67.5°	11693.3	10078.9	2657.2	656.9	473.6	342.0	292.9	273.6	263.3	255.5	254.2
70°	11099.6	9191.0	1507.3	707.2	511.0	316.2	259.4	246.5	236.2	231.0	229.7
72.5°	9491.7	7781.8	1007.9	624.6	465.9	282.6	228.4	218.1	210.4	203.9	202.6
75°	7688.8	6171.2	770.4	512.3	362.6	229.7	196.2	188.4	180.7	174.2	172.9
77.5°	4549.0	3565.7	567.8	405.2	255.5	179.4	162.6	156.2	148.4	143.2	142.0
80°	1451.8	1238.9	360.1	278.7	169.1	138.1	125.2	120.0	112.3	105.8	104.5
82.5°	553.6	478.8	191.0	142.0	112.3	94.2	83.9	78.7	73.6	67.1	65.8
85°	245.2	229.7	105.8	76.1	60.7	46.5	41.3	38.7	32.3	27.1	25.8
87.5°	86.5	86.5	45.2	21.9	12.9	6.5	3.9	1.3	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)