

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: P635352

Luminaire Tested: GWS-SA3D-750-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635352
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-750-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17968.5 lumens
Efficiency: N/A
Efficacy: 148.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B4 - U0 - G4

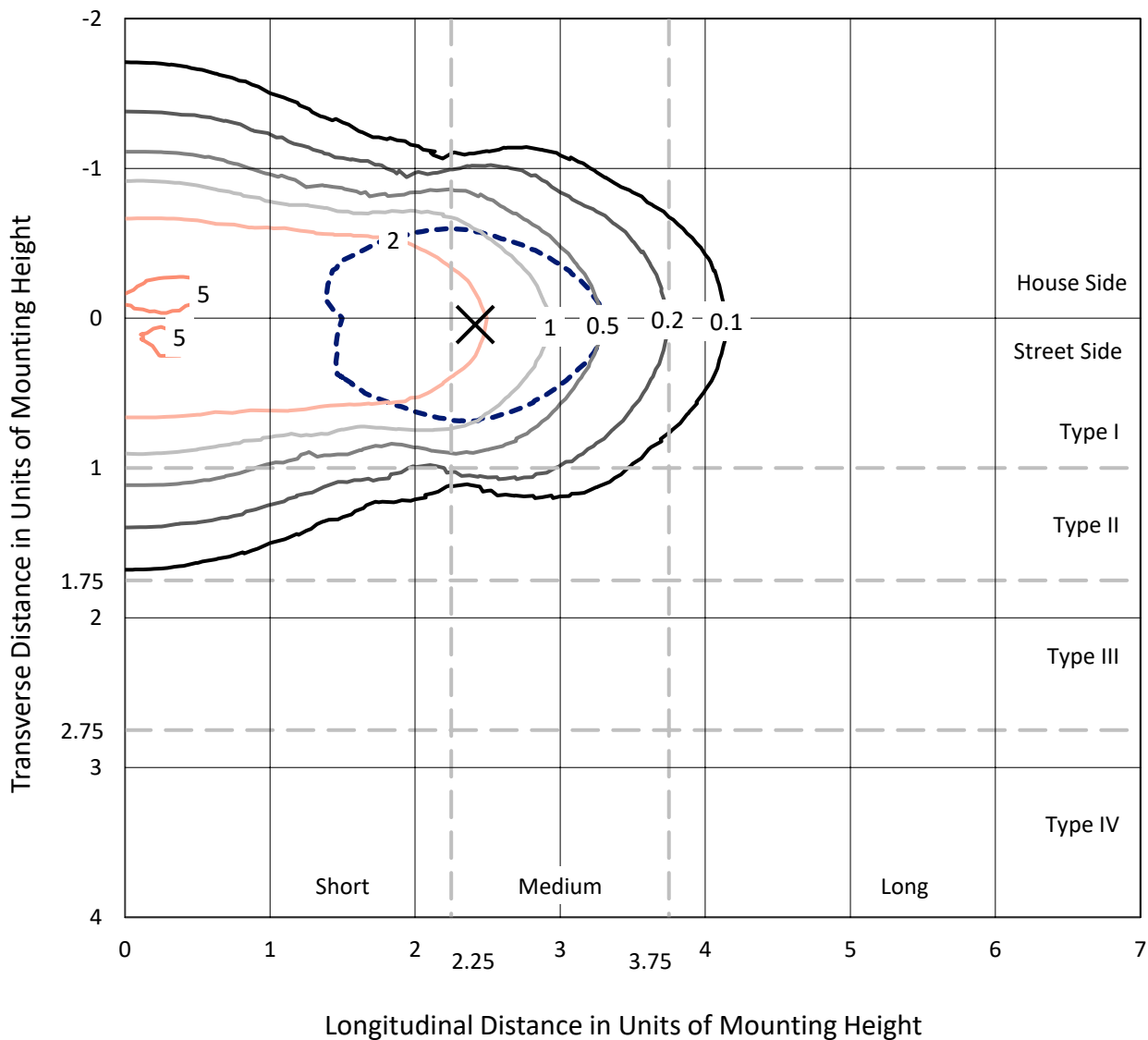
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

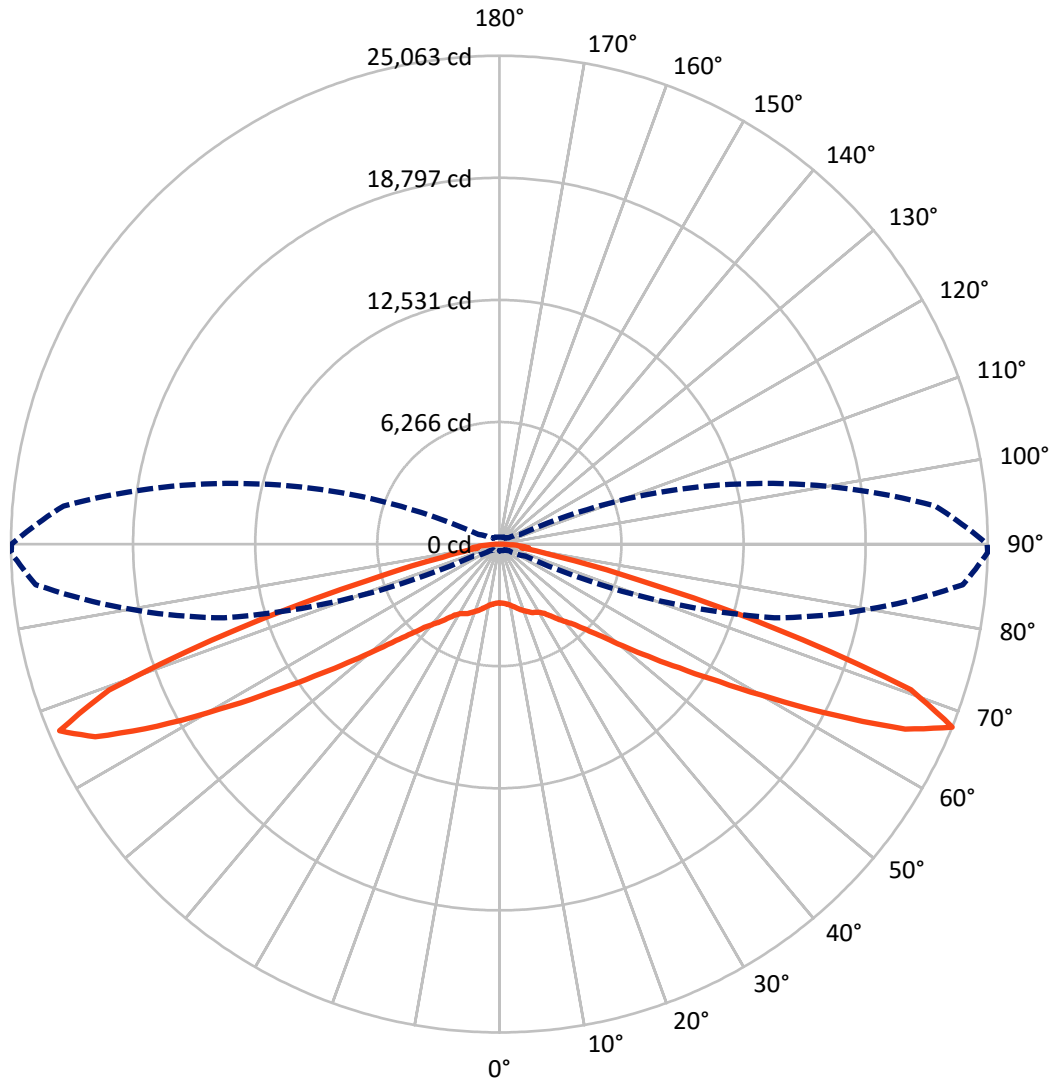
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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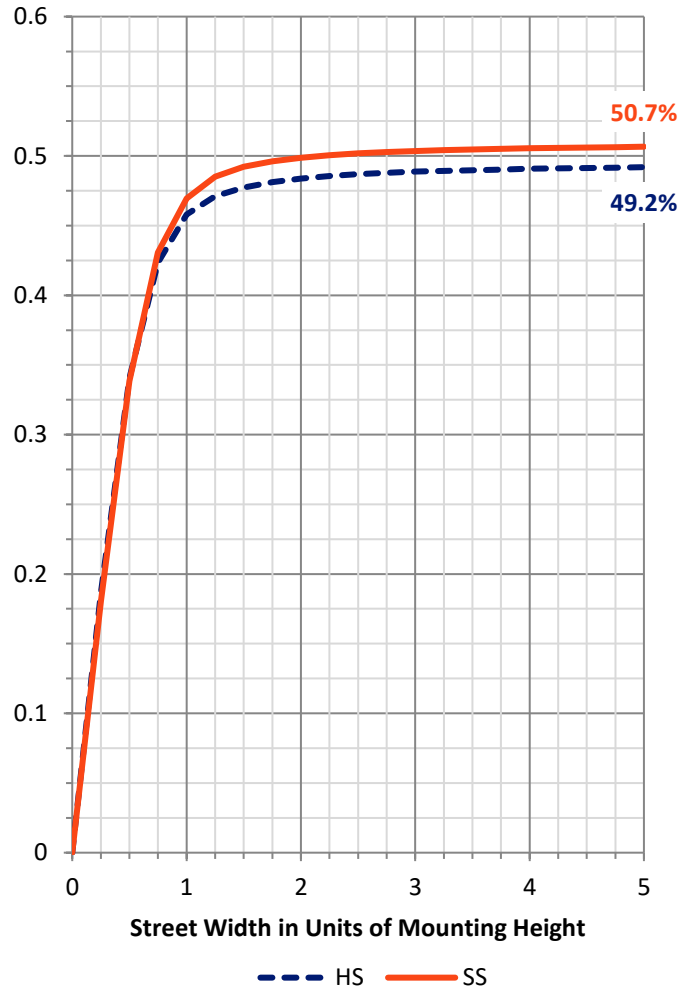
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8905.5	0.0	8905.5
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	9063.0	0.0	9063.0
	% Fixture	50.4	0.0	50.4
Total	Lumens	17968.5	0.0	17968.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.5	1.7
10°-20°	985.0	5.5
20°-30°	1665.2	9.3
30°-40°	2285.2	12.7
40°-50°	2914.2	16.2
50°-60°	3656.3	20.3
60°-70°	4409.7	24.5
70°-80°	1595.3	8.9
80°-90°	155.1	0.9
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°	17968.5	100.0
0°-180°	17968.5	100.0

Coefficient of Utilization



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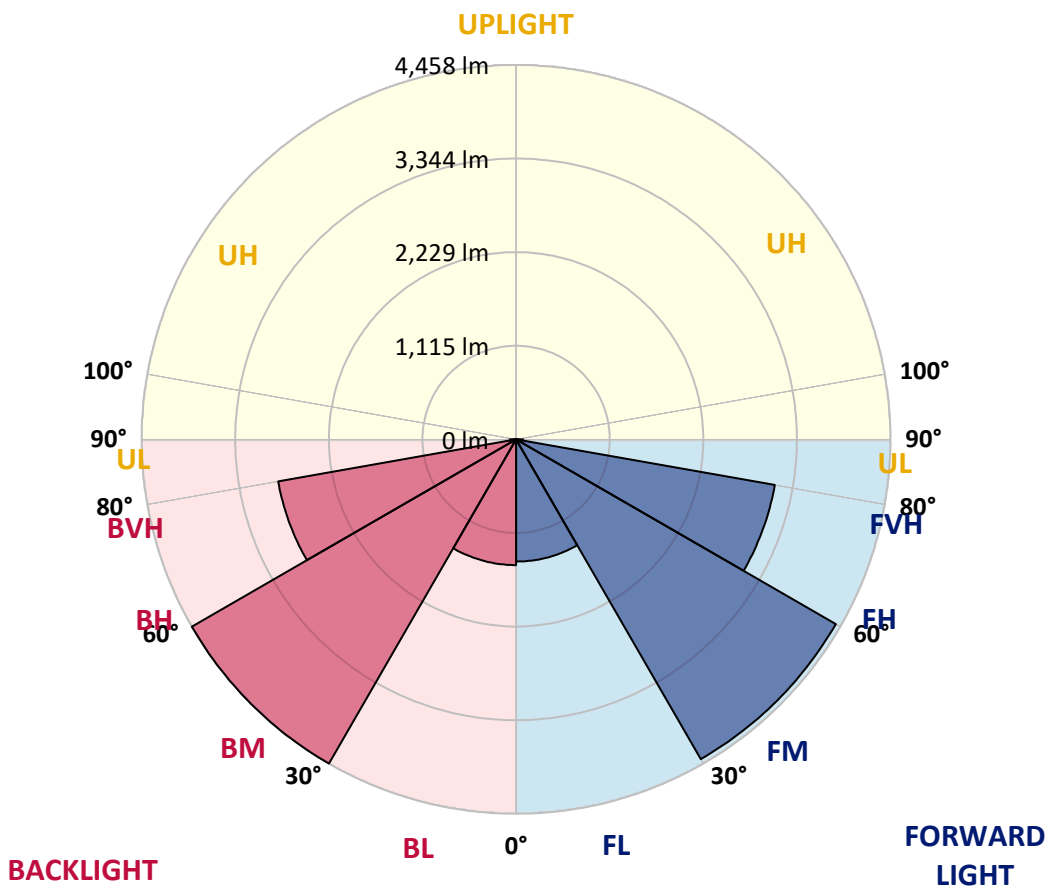
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1455.3	8.1			
FM (30°-60°)	4397.2	24.5			
FH (60°-80°)	3128.6	17.4			G2/5000
FVH (80°-90°)	81.9	0.5			G1/100
BL (0°-30°)	1497.4	8.3	B3/2500		
BM (30°-60°)	4458.4	24.8	B3/5000		
BH (60°-80°)	2876.5	16.0	B4/5000		G4/5000
BVH (80°-90°)	73.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°	
0°	3015.9	3015.9	3015.9	3015.9	3015.9	3015.9	3015.9	3015.9	3015.9	3015.9	3015.9	3015.9
2.5°	3024.9	3022.3	3015.9	3035.2	3031.4	3032.6	3040.4	3035.2	3026.2	3010.7	3032.6	3032.6
5°	3110.1	3108.8	3094.6	3106.2	3093.3	3084.3	3083.0	3070.1	3059.7	3043.0	3066.2	3066.2
7.5°	3192.7	3191.4	3179.8	3200.4	3190.1	3179.8	3168.1	3142.3	3117.8	3093.3	3119.1	3119.1
10°	3255.9	3254.6	3252.0	3281.7	3284.3	3288.2	3283.0	3239.1	3196.5	3166.9	3192.7	3192.7
12.5°	3292.0	3295.9	3302.4	3356.6	3383.7	3409.5	3415.9	3379.8	3308.8	3266.2	3297.2	3297.2
15°	3267.5	3275.3	3307.5	3405.6	3480.4	3538.5	3563.0	3533.4	3441.7	3370.8	3405.6	3405.6
17.5°	3150.1	3156.5	3219.8	3369.5	3534.6	3668.9	3708.9	3690.8	3588.8	3502.4	3535.9	3535.9
20°	2987.5	3001.7	3070.1	3279.1	3525.6	3759.2	3866.3	3859.8	3748.9	3615.9	3655.9	3655.9
22.5°	2840.4	2857.1	2929.4	3160.4	3465.0	3782.4	4025.0	4041.8	3894.7	3729.5	3761.8	3761.8
25°	2675.2	2690.7	2783.6	3019.7	3360.4	3764.4	4160.5	4236.7	4059.9	3859.8	3889.5	3889.5
27.5°	2506.1	2517.7	2609.4	2861.0	3223.6	3730.8	4267.6	4450.9	4222.5	3950.2	3970.8	3970.8
30°	2357.7	2373.2	2457.1	2702.3	3073.9	3663.7	4355.4	4679.3	4409.6	4052.1	4068.9	4068.9
32.5°	2214.5	2227.4	2319.0	2546.1	2915.2	3560.5	4434.1	4947.7	4687.0	4241.8	4241.8	4241.8
35°	2033.8	2057.0	2160.3	2396.4	2765.5	3423.7	4490.9	5260.0	5066.5	4521.9	4523.2	4523.2
37.5°	1867.3	1880.2	1988.6	2227.4	2608.1	3268.8	4496.1	5583.9	5546.5	4878.0	4880.6	4880.6
40°	1677.6	1694.4	1810.6	2046.7	2427.4	3106.2	4447.0	5885.9	6049.8	5244.5	5230.3	5230.3
42.5°	1485.4	1509.9	1620.9	1851.8	2232.5	2907.5	4316.7	6173.7	6688.6	5669.1	5634.3	5634.3
45°	1299.5	1315.0	1426.0	1644.1	2009.3	2670.0	4107.6	6449.9	7447.4	6314.4	6264.0	6264.0
47.5°	1090.5	1096.9	1211.8	1420.8	1778.3	2405.5	3808.2	6696.3	8281.1	7168.7	7082.2	7082.2
50°	904.6	913.7	1004.0	1183.4	1495.7	2091.9	3435.3	6840.9	9343.1	8334.0	8184.3	8184.3
52.5°	731.7	740.7	813.0	956.3	1236.3	1734.4	2973.3	6807.3	10420.7	9780.6	9562.5	9562.5
55°	591.0	597.5	646.5	758.8	973.0	1379.5	2427.4	6506.6	11617.0	11669.9	11200.1	11200.1
57.5°	499.4	502.0	535.6	603.9	760.1	1063.4	1873.8	5796.9	12871.3	14080.5	13308.8	13308.8
60°	446.5	447.8	463.3	505.9	600.1	811.7	1373.1	4666.4	14170.8	17096.4	16038.2	16038.2
62.5°	413.0	413.0	425.9	450.4	498.1	624.6	1009.2	3351.4	15103.9	20378.1	19326.3	19326.3
65°	380.7	380.7	389.7	410.4	436.2	509.7	757.5	2161.6	15562.0	23121.7	22888.1	22888.1
67.5°	339.4	340.7	347.1	369.1	392.3	425.9	574.3	1462.1	14610.9	23880.5	25062.5	25062.5
70°	300.7	302.0	311.0	325.2	344.6	367.8	449.1	1007.9	10634.9	19889.0	22409.3	22409.3
72.5°	258.1	263.3	269.7	285.2	296.8	313.6	366.5	653.0	6187.9	12793.9	14813.5	14813.5
75°	211.6	218.1	225.8	241.3	249.1	255.5	302.0	465.9	2977.2	6483.4	7382.9	7382.9
77.5°	163.9	170.3	179.4	193.6	198.7	206.5	231.0	336.8	1426.0	2873.9	3098.5	3098.5
80°	109.7	112.3	120.0	136.8	145.8	151.0	170.3	229.7	619.4	1153.7	1143.4	1143.4
82.5°	67.1	68.4	71.0	81.3	85.2	90.3	111.0	140.7	295.5	1311.1	1503.4	1503.4
85°	24.5	23.2	21.9	28.4	33.6	38.7	51.6	71.0	129.0	900.8	1007.9	1007.9
87.5°	0.0	0.0	0.0	1.3	2.6	2.6	5.2	10.3	31.0	336.8	231.0	231.0
90°	0.0	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°	3015.9	3015.9	3015.9	3015.9	3015.9	3015.9	3015.9	3015.9	3015.9	3015.9	3015.9
2.5°	3026.2	3012.0	3030.1	3043.0	3071.4	3081.7	3084.3	3075.2	3075.2	3059.7	3062.3
5°	3061.0	3052.0	3081.7	3103.6	3144.9	3160.4	3170.7	3164.3	3168.1	3157.8	3160.4
7.5°	3113.9	3106.2	3157.8	3200.4	3243.0	3261.1	3270.1	3264.9	3266.2	3253.3	3257.2
10°	3187.5	3190.1	3252.0	3307.5	3364.3	3382.4	3386.2	3370.8	3357.8	3334.6	3335.9
12.5°	3288.2	3301.1	3388.8	3450.8	3508.8	3534.6	3506.3	3449.5	3396.6	3356.6	3351.4
15°	3397.9	3421.1	3547.5	3626.3	3689.5	3676.6	3592.7	3465.0	3360.4	3301.1	3289.5
17.5°	3529.5	3564.3	3723.1	3817.3	3871.5	3788.9	3613.4	3422.4	3276.5	3196.5	3181.1
20°	3653.4	3708.9	3908.9	4031.5	4037.9	3852.1	3604.3	3335.9	3152.7	3054.6	3033.9
22.5°	3766.9	3837.9	4103.7	4259.9	4176.0	3880.5	3548.8	3213.3	3003.0	2888.1	2870.0
25°	3890.8	3991.5	4330.9	4476.7	4314.1	3868.9	3432.7	3061.0	2822.3	2704.9	2692.0
27.5°	3976.0	4102.5	4559.3	4698.7	4427.7	3803.1	3283.0	2894.6	2657.1	2546.1	2528.1
30°	4074.1	4235.4	4810.9	4940.0	4497.3	3706.3	3123.0	2739.7	2503.5	2383.5	2370.6
32.5°	4252.2	4454.8	5123.2	5195.5	4519.3	3586.3	2969.4	2590.0	2343.5	2223.5	2205.4
35°	4538.6	4776.1	5562.0	5480.7	4502.5	3454.6	2823.6	2414.5	2179.6	2067.4	2049.3
37.5°	4900.0	5195.5	6051.1	5737.5	4456.1	3310.1	2650.7	2267.4	2032.5	1919.0	1908.6
40°	5236.8	5600.7	6599.6	5959.5	4361.8	3132.0	2484.2	2113.8	1873.8	1753.8	1730.5
42.5°	5658.8	6142.7	7234.5	6151.8	4207.0	2919.1	2297.1	1924.1	1675.1	1566.7	1538.3
45°	6300.2	6901.5	7972.6	6336.3	3976.0	2657.1	2062.2	1693.1	1457.0	1346.0	1324.0
47.5°	7100.3	7850.0	8772.7	6446.0	3625.0	2380.9	1796.4	1449.2	1213.1	1087.9	1077.6
50°	8224.3	9229.6	9630.9	6426.6	3232.7	2053.2	1497.0	1158.9	961.4	871.1	856.9
52.5°	9593.5	10961.4	10558.8	6194.3	2815.8	1680.2	1166.6	909.8	762.7	698.2	686.5
55°	11311.1	13035.2	11535.7	5696.2	2289.3	1286.6	916.2	717.5	616.9	578.1	573.0
57.5°	13437.8	15720.7	12476.4	4857.4	1721.5	982.1	705.9	592.3	544.6	521.4	520.1
60°	16244.6	18571.4	13293.3	3774.7	1232.4	751.1	583.3	529.1	491.7	476.2	474.9
62.5°	19581.8	21160.1	13801.8	2570.6	926.6	598.8	513.6	480.1	458.1	449.1	447.8
65°	23012.0	22796.5	13559.1	1684.1	703.3	508.5	460.7	442.6	423.3	414.2	414.2
67.5°	25038.0	22450.6	11697.0	1169.2	557.5	446.5	415.5	398.8	366.5	358.8	358.8
70°	22177.0	18192.0	7666.8	855.6	451.7	391.0	361.3	338.1	325.2	317.5	316.2
72.5°	14667.7	11837.6	4076.6	593.6	376.8	332.9	305.8	296.8	281.3	273.6	272.3
75°	7300.3	6217.6	2089.3	428.4	313.6	267.1	255.5	251.6	238.7	228.4	225.8
77.5°	3043.0	2768.1	974.3	311.0	238.7	215.5	205.2	205.2	191.0	179.4	174.2
80°	1147.2	1022.1	460.7	212.9	176.8	160.0	153.6	148.4	136.8	122.6	114.9
82.5°	1534.4	1002.7	225.8	132.9	116.1	103.2	94.2	90.3	83.9	77.4	72.3
85°	993.7	712.3	101.9	68.4	58.1	43.9	38.7	36.1	32.3	28.4	25.8
87.5°	202.6	238.7	31.0	12.9	7.7	3.9	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)