

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: P637541

Luminaire Tested: GWS-SA4D-722-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637541
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4D-722-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17674.4 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

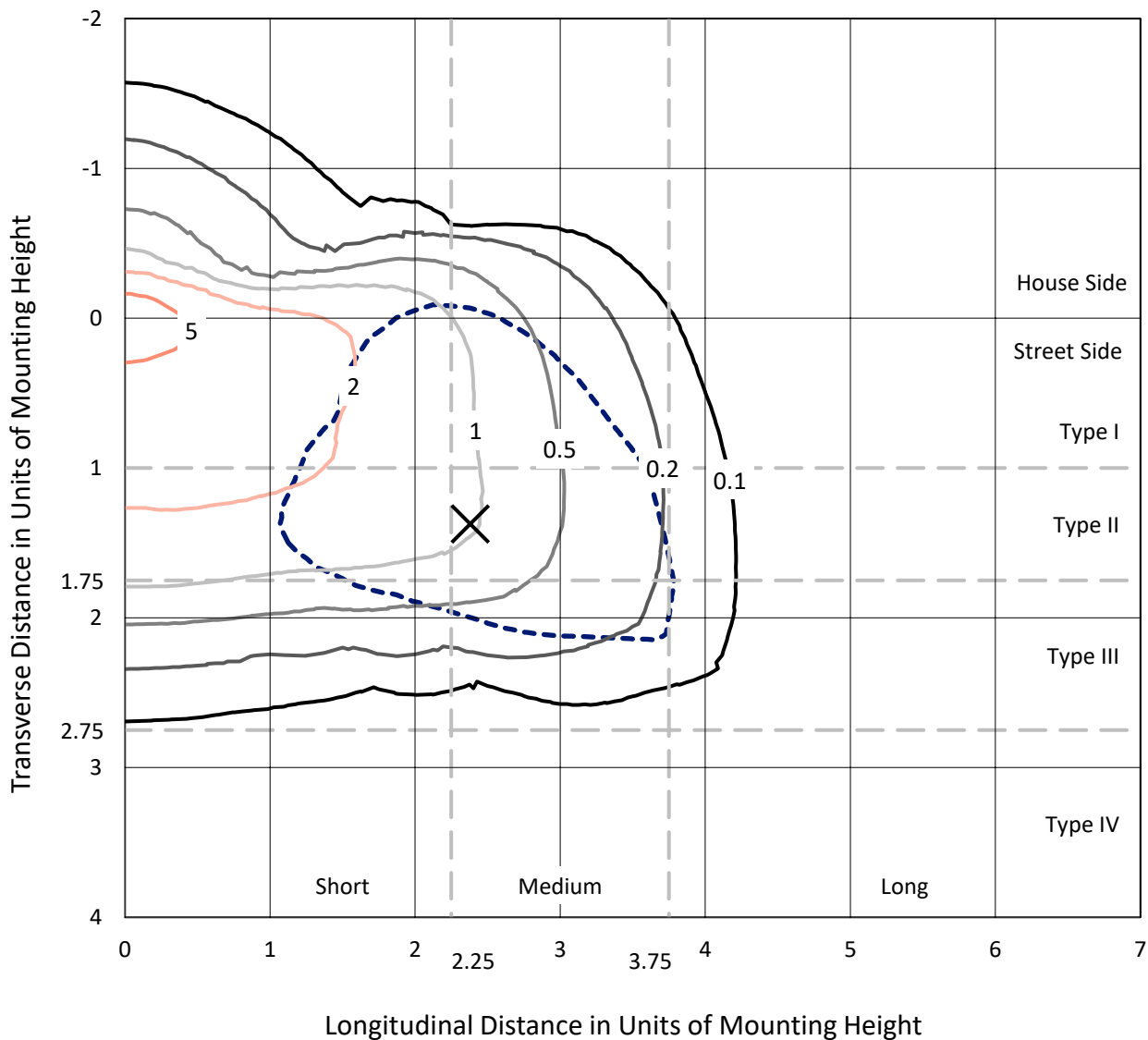
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

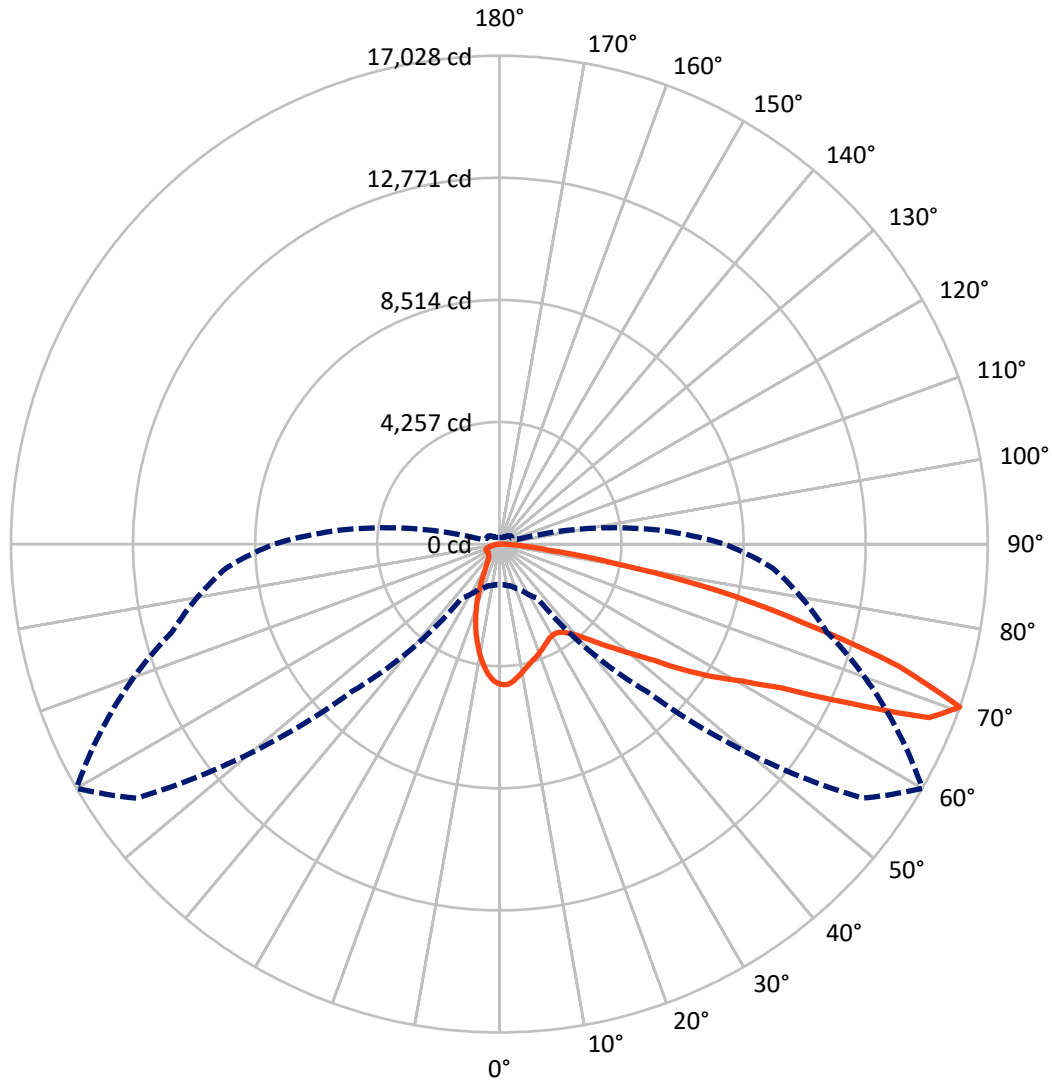
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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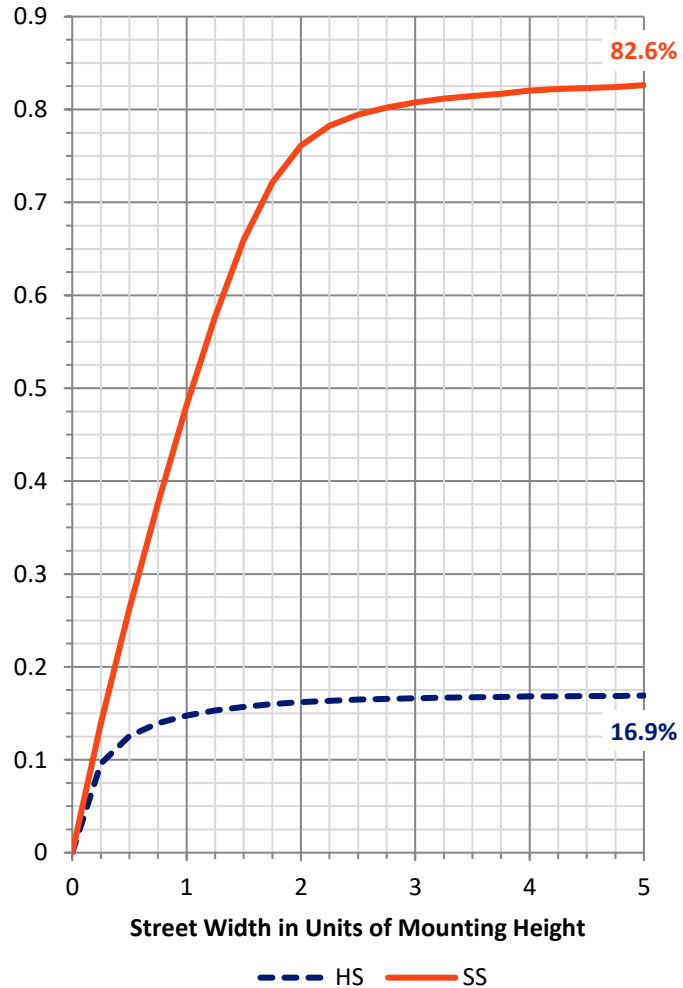
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3022.7	0.0	3022.7
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	14651.7	0.0	14651.7
	% Fixture	82.9	0.0	82.9
Total	Lumens	17674.4	0.0	17674.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.6	2.4
10°-20°	944.4	5.3
20°-30°	1209.5	6.8
30°-40°	1589.6	9.0
40°-50°	2306.2	13.0
50°-60°	3598.3	20.4
60°-70°	4710.8	26.7
70°-80°	2604.9	14.7
80°-90°	289.1	1.6
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°	17674.4	100.0
0°-180°	17674.4	100.0

Coefficient of Utilization



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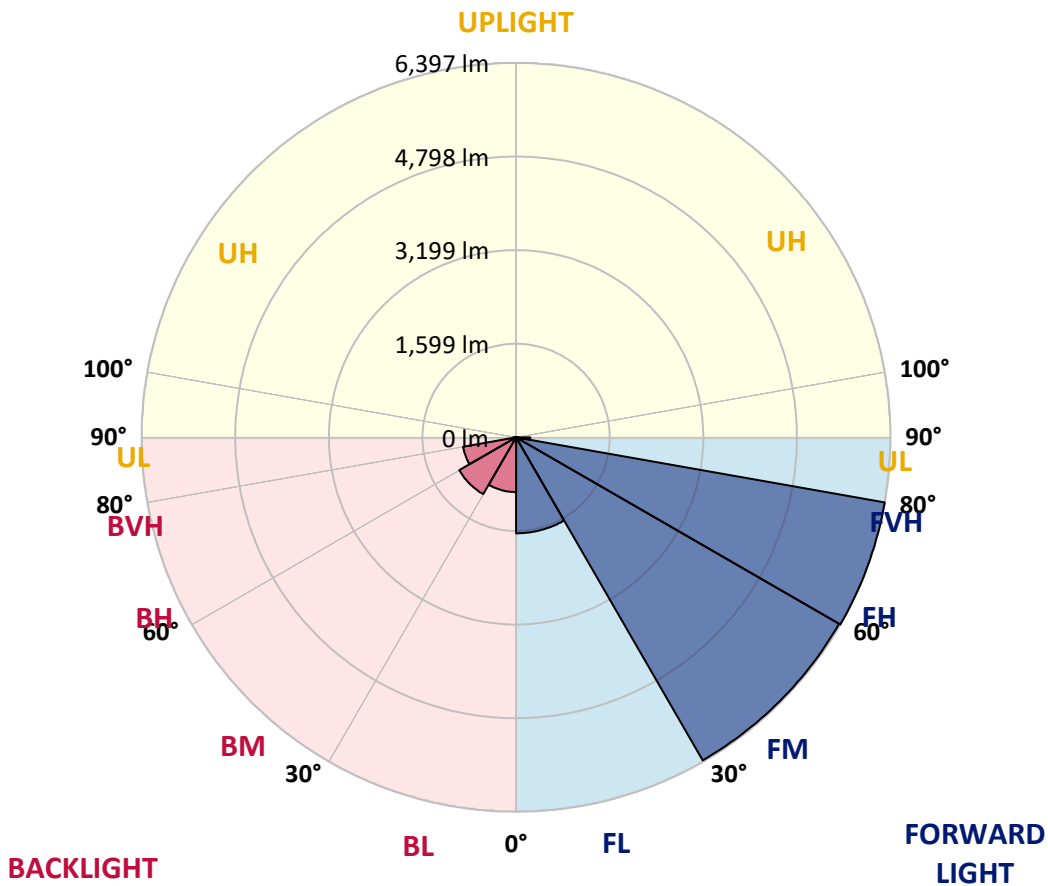
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1640.3	9.3			
FM (30°-60°)	6373.3	36.1			
FH (60°-80°)	6397.2	36.2			G3/7500
FVH (80°-90°)	240.9	1.4			G3/500
BL (0°-30°)	935.2	5.3	B2/1000		
BM (30°-60°)	1120.7	6.3	B2/2500		
BH (60°-80°)	918.6	5.2	B2/1000		G2/1000
BVH (80°-90°)	48.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4890.7	4890.7	4890.7	4890.7	4890.7	4890.7	4890.7	4890.7	4890.7	4890.7	4890.7
2.5°	4822.2	4827.4	4841.6	4862.3	4883.0	4893.3	4919.2	4911.4	4906.3	4895.9	4883.0
5°	4608.8	4619.2	4632.1	4672.2	4717.5	4753.7	4811.9	4818.3	4820.9	4826.1	4805.4
7.5°	4337.3	4339.8	4370.9	4423.9	4483.4	4545.5	4642.4	4669.6	4692.9	4718.7	4701.9
10°	4037.2	4043.7	4067.0	4143.3	4245.4	4337.3	4467.9	4513.1	4562.3	4619.2	4595.9
12.5°	3791.5	3792.8	3830.3	3911.8	4023.0	4147.2	4310.1	4364.4	4429.1	4518.3	4497.6
15°	3596.3	3596.3	3631.2	3701.0	3829.0	3975.2	4169.2	4239.0	4326.9	4447.2	4411.0
17.5°	3441.1	3442.4	3464.4	3538.1	3651.9	3813.5	4043.7	4138.1	4235.1	4394.2	4339.8
20°	3359.6	3353.2	3357.0	3402.3	3499.3	3655.8	3918.3	4028.2	4158.8	4358.0	4275.2
22.5°	3355.8	3344.1	3327.3	3331.2	3388.1	3517.4	3783.8	3917.0	4081.2	4328.2	4209.2
25°	3421.7	3408.8	3379.0	3345.4	3340.2	3417.8	3657.1	3808.4	4001.0	4315.3	4145.9
27.5°	3532.9	3523.9	3485.1	3434.6	3381.6	3379.0	3561.4	3719.1	3942.8	4328.2	4100.6
30°	3680.3	3664.8	3640.2	3575.6	3495.4	3412.7	3523.9	3671.3	3904.1	4369.6	4081.2
32.5°	3847.2	3838.1	3814.8	3750.2	3664.8	3532.9	3553.6	3681.6	3904.1	4442.0	4085.1
35°	4024.3	4023.0	4023.0	3980.3	3885.9	3721.7	3671.3	3769.6	3963.5	4558.4	4126.5
37.5°	4196.3	4195.0	4236.4	4251.9	4144.6	3967.4	3871.7	3945.4	4094.1	4730.4	4228.6
40°	4336.0	4341.1	4431.7	4509.3	4449.8	4285.5	4151.0	4188.5	4306.2	4974.8	4407.1
42.5°	4476.9	4491.1	4626.9	4764.0	4787.3	4645.0	4509.3	4531.2	4610.1	5298.1	4673.5
45°	4630.8	4637.3	4827.4	5018.8	5131.3	5047.2	4936.0	4965.7	4983.8	5697.7	5070.5
47.5°	4779.5	4796.3	5042.0	5304.5	5517.9	5510.2	5448.1	5439.0	5442.9	6183.9	5539.9
50°	4982.5	5007.1	5295.5	5612.3	5925.3	6068.8	6086.9	6018.4	5989.9	6724.4	6124.4
52.5°	5367.9	5367.9	5626.5	5938.2	6358.5	6714.1	6835.6	6723.1	6632.6	7296.0	6745.1
55°	5850.3	5871.0	6076.6	6328.7	6861.5	7393.0	7804.2	7680.1	7424.0	7918.0	7395.6
57.5°	6064.9	6090.8	6416.7	6808.5	7519.7	8165.0	8735.3	8691.3	8317.6	8564.6	8070.6
60°	5677.0	5731.3	6180.0	6836.9	8115.9	9410.3	9812.5	9684.5	9150.4	9243.5	8802.5
62.5°	4735.6	4795.0	5292.9	6209.8	8033.1	10756.5	11510.4	11038.4	10190.1	10100.9	9777.6
65°	2825.6	2823.0	3421.7	4637.3	7012.8	11130.2	14197.6	13317.0	11796.2	11277.7	10781.1
67.5°	1796.2	1792.3	1917.8	2457.0	4667.0	10214.7	15925.3	16154.2	13977.8	12142.8	10863.8
70°	1417.3	1416.0	1506.5	1752.2	2308.3	7268.9	15444.2	17028.3	15295.5	11813.0	9565.5
72.5°	1033.2	1035.8	1175.5	1467.7	1780.7	3649.3	12506.2	14570.0	14068.3	10428.1	7765.4
75°	742.3	746.2	830.2	1123.8	1642.3	1995.3	8316.3	10955.7	10703.5	8359.0	5342.0
77.5°	472.0	477.2	550.9	787.5	1326.8	1611.3	5042.0	7734.4	7121.4	4709.7	1899.7
80°	288.4	305.2	367.3	587.1	1060.4	1209.1	2520.4	4074.8	3566.5	1291.9	638.8
82.5°	148.7	161.6	221.1	363.4	730.6	1061.7	1426.4	1712.1	1104.4	540.5	340.1
85°	46.6	54.3	77.6	147.4	347.9	658.2	944.0	850.9	506.9	254.8	157.8
87.5°	11.6	11.6	12.9	12.9	14.2	29.7	182.3	192.7	134.5	80.2	64.7
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°	4890.7	4890.7	4890.7	4890.7	4890.7	4890.7	4890.7	4890.7	4890.7	4890.7	4890.7
2.5°	4857.1	4826.1	4813.1	4811.9	4779.5	4733.0	4701.9	4679.9	4667.0	4664.4	4664.4
5°	4770.5	4730.4	4677.4	4637.3	4550.6	4462.7	4389.0	4347.6	4299.8	4293.3	4292.0
7.5°	4655.4	4597.2	4496.3	4383.8	4232.5	4086.4	3962.2	3878.2	3794.1	3778.6	3773.4
10°	4531.2	4452.4	4280.4	4082.5	3856.2	3637.7	3447.6	3298.9	3200.6	3130.7	3117.8
12.5°	4408.4	4303.6	4051.5	3756.6	3446.3	3147.6	2861.8	2618.7	2442.8	2340.6	2322.5
15°	4293.3	4147.2	3801.9	3425.6	3022.1	2613.5	2208.7	1893.2	1646.2	1558.3	1537.6
17.5°	4188.5	4006.2	3560.1	3082.9	2579.9	2045.8	1585.4	1304.8	1160.0	1116.0	1105.7
20°	4083.8	3861.4	3314.4	2722.1	2110.4	1511.7	1158.7	1026.8	972.5	955.6	950.5
22.5°	3971.3	3702.3	3046.7	2366.5	1635.8	1131.5	947.9	889.7	872.9	874.2	872.9
25°	3858.8	3540.7	2766.1	1979.8	1218.2	918.1	827.6	805.6	809.5	821.2	823.7
27.5°	3765.7	3397.1	2490.6	1555.7	951.8	790.1	747.4	746.2	760.4	775.9	778.5
30°	3698.4	3269.1	2219.1	1196.2	783.7	702.2	685.4	693.1	709.9	721.6	725.5
32.5°	3650.6	3159.2	1929.4	940.1	686.7	640.1	632.4	640.1	650.5	662.1	664.7
35°	3633.8	3079.0	1644.9	766.8	620.7	594.9	589.7	593.6	598.7	605.2	607.8
37.5°	3671.3	3038.9	1347.5	667.3	580.6	565.1	557.4	554.8	556.1	558.6	559.9
40°	3782.5	3057.0	1104.4	609.1	554.8	540.5	527.6	522.4	521.1	523.7	522.4
42.5°	3973.9	3133.3	928.5	575.5	534.1	513.4	499.2	494.0	494.0	500.5	500.5
45°	4254.5	3283.3	801.8	550.9	516.0	490.1	474.6	472.0	477.2	487.5	488.8
47.5°	4665.7	3503.2	725.5	532.8	499.2	469.4	453.9	452.6	463.0	479.8	481.1
50°	5153.2	3820.0	684.1	519.9	487.5	452.6	437.1	438.4	450.0	468.1	472.0
52.5°	5740.3	4251.9	686.7	514.7	481.1	442.3	426.7	424.2	435.8	453.9	457.8
55°	6346.8	4776.9	737.1	516.0	472.0	437.1	416.4	407.3	417.7	430.6	431.9
57.5°	7014.1	5369.2	862.5	513.4	460.4	431.9	407.3	386.7	393.1	400.9	404.8
60°	7766.7	6066.2	1132.8	518.6	455.2	420.3	389.2	362.1	360.8	366.0	367.3
62.5°	8772.8	7014.1	1436.7	527.6	466.8	406.1	362.1	333.6	328.5	331.0	332.3
65°	9542.2	7466.7	1341.0	519.9	491.4	395.7	336.2	306.5	296.1	293.5	293.5
67.5°	9229.3	6868.0	933.7	499.2	503.0	397.0	315.5	278.0	265.1	258.6	257.3
70°	7853.4	5578.7	649.2	478.5	490.1	394.4	293.5	254.8	237.9	228.9	227.6
72.5°	6204.6	4259.7	525.0	437.1	444.8	355.6	261.2	228.9	214.7	203.0	203.0
75°	3993.3	2599.3	438.4	389.2	363.4	276.7	226.3	204.3	190.1	178.5	178.5
77.5°	1343.6	964.7	340.1	329.8	271.6	208.2	190.1	175.9	164.2	153.9	152.6
80°	545.7	457.8	249.6	249.6	190.1	159.1	148.7	142.2	134.5	121.6	121.6
82.5°	316.8	278.0	174.6	151.3	126.7	109.9	103.5	97.0	97.0	87.9	87.9
85°	152.6	153.9	104.7	93.1	72.4	63.4	60.8	56.9	55.6	50.4	49.1
87.5°	82.8	84.1	53.0	41.4	28.4	24.6	20.7	19.4	18.1	16.8	16.8
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)