

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: P635341

Luminaire Tested: GWS-SA3D-750-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635341
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-SA3D-750-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17638.2 lumens
Efficiency: N/A
Efficacy: 146.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

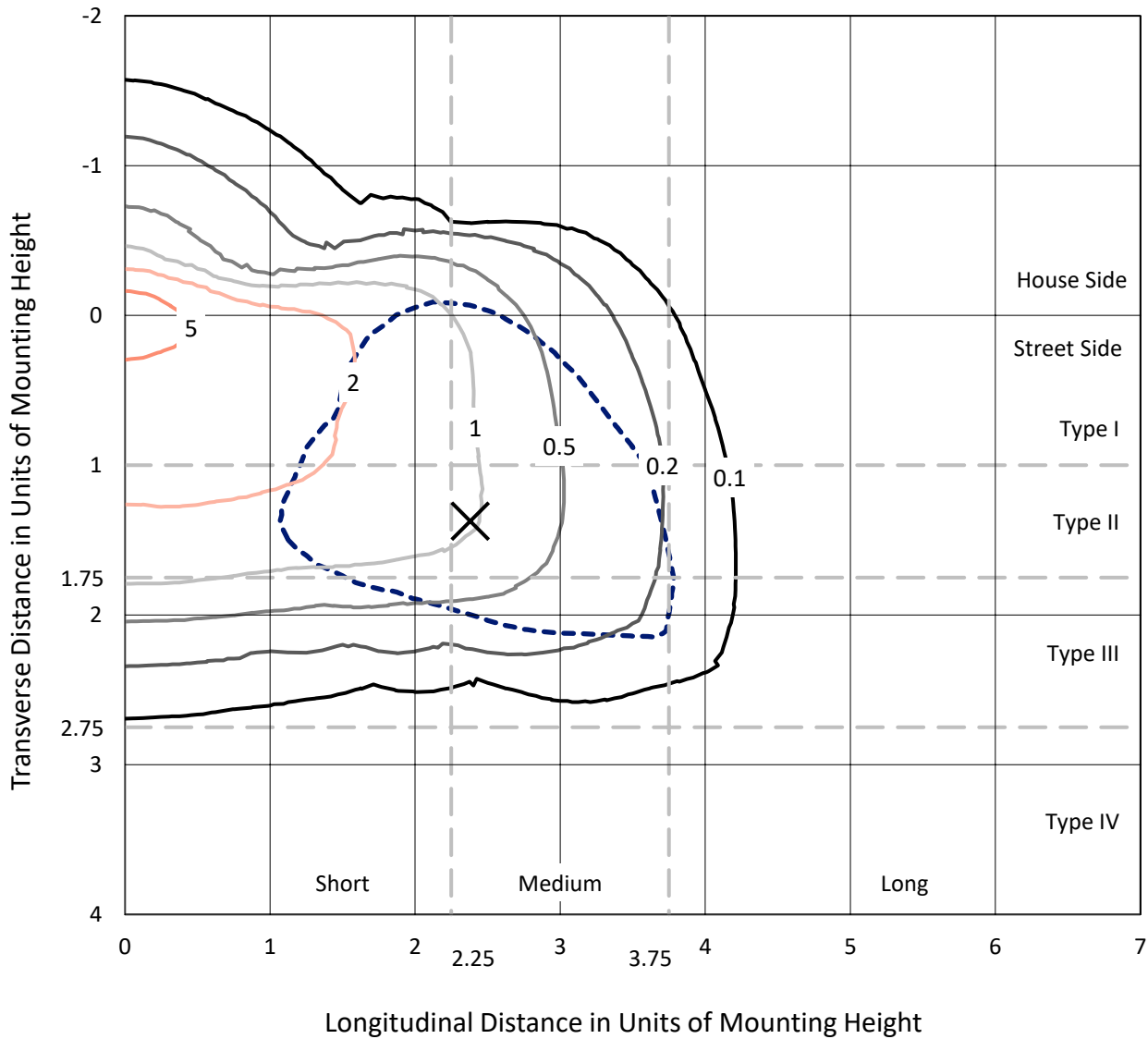
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

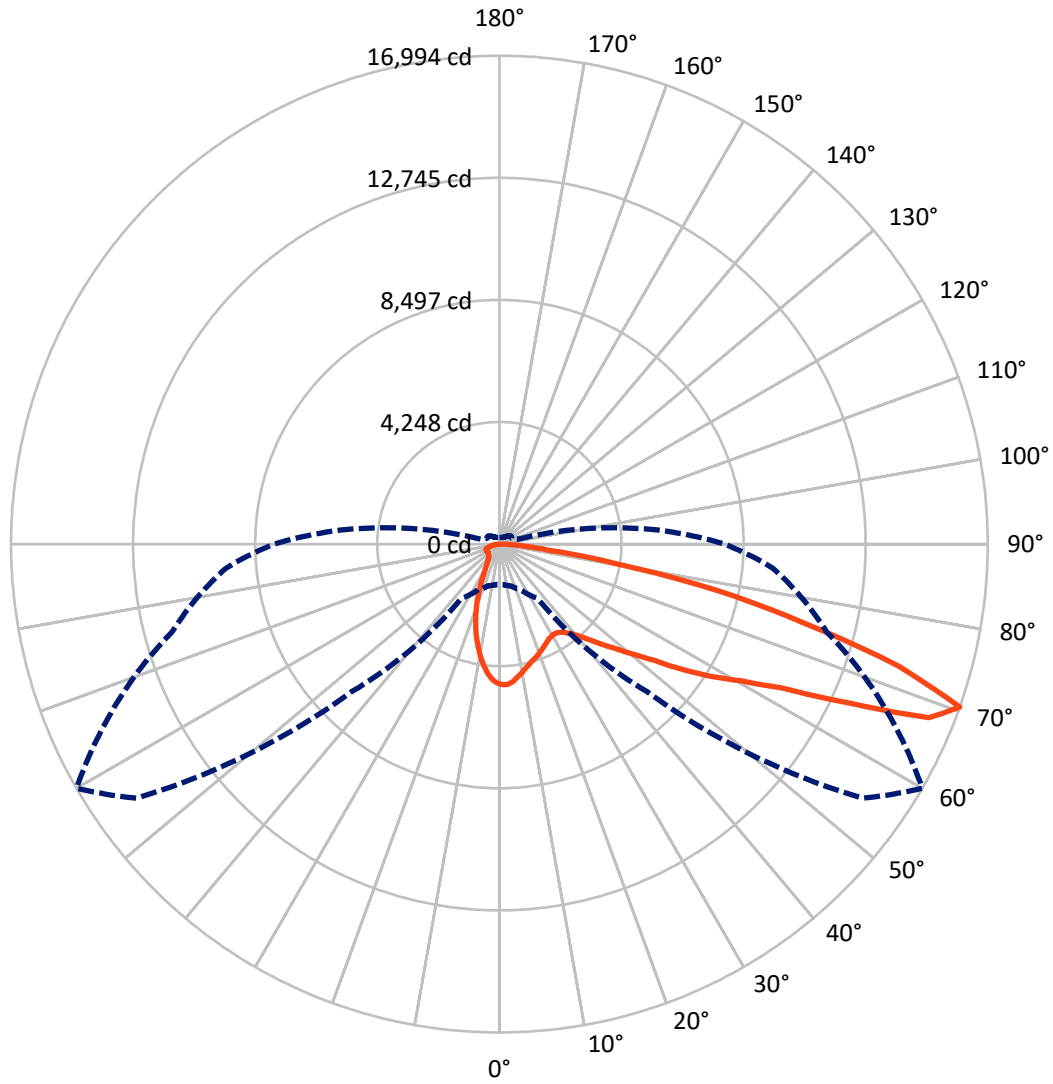
✕ Max cd
 - - - 1/2 Max cd



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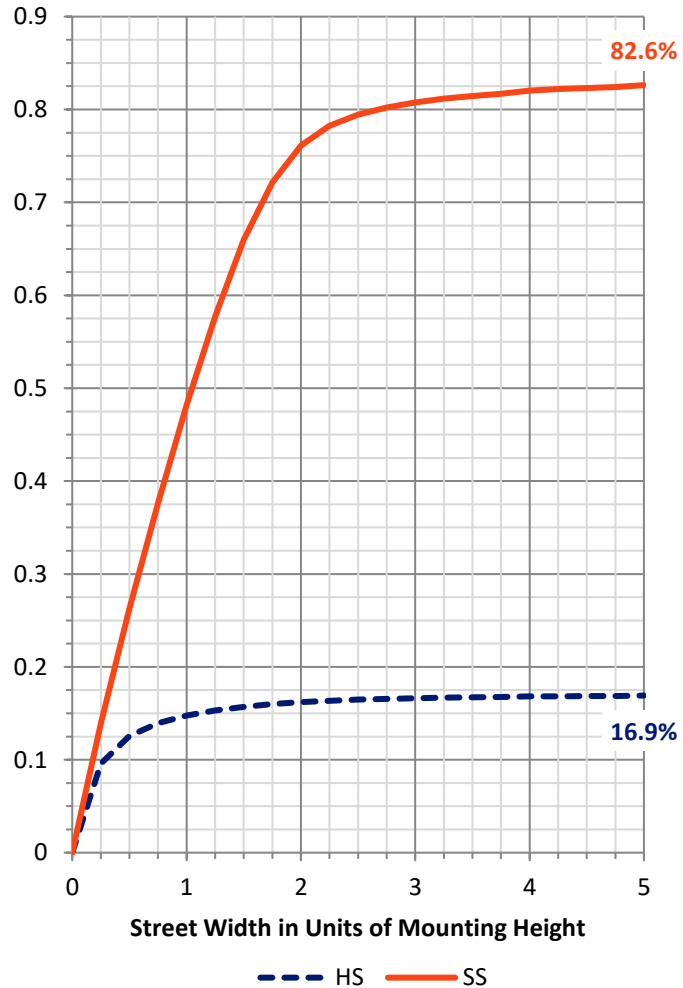
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3016.5	0.0	3016.5
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	14621.7	0.0	14621.7
	% Fixture	82.9	0.0	82.9
Total	Lumens	17638.2	0.0	17638.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.7	2.4
10°-20°	942.5	5.3
20°-30°	1207.0	6.8
30°-40°	1586.3	9.0
40°-50°	2301.5	13.0
50°-60°	3590.9	20.4
60°-70°	4701.2	26.7
70°-80°	2599.6	14.7
80°-90°	288.5	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°	17638.2	100.0
0°-180°	17638.2	100.0

Coefficient of Utilization



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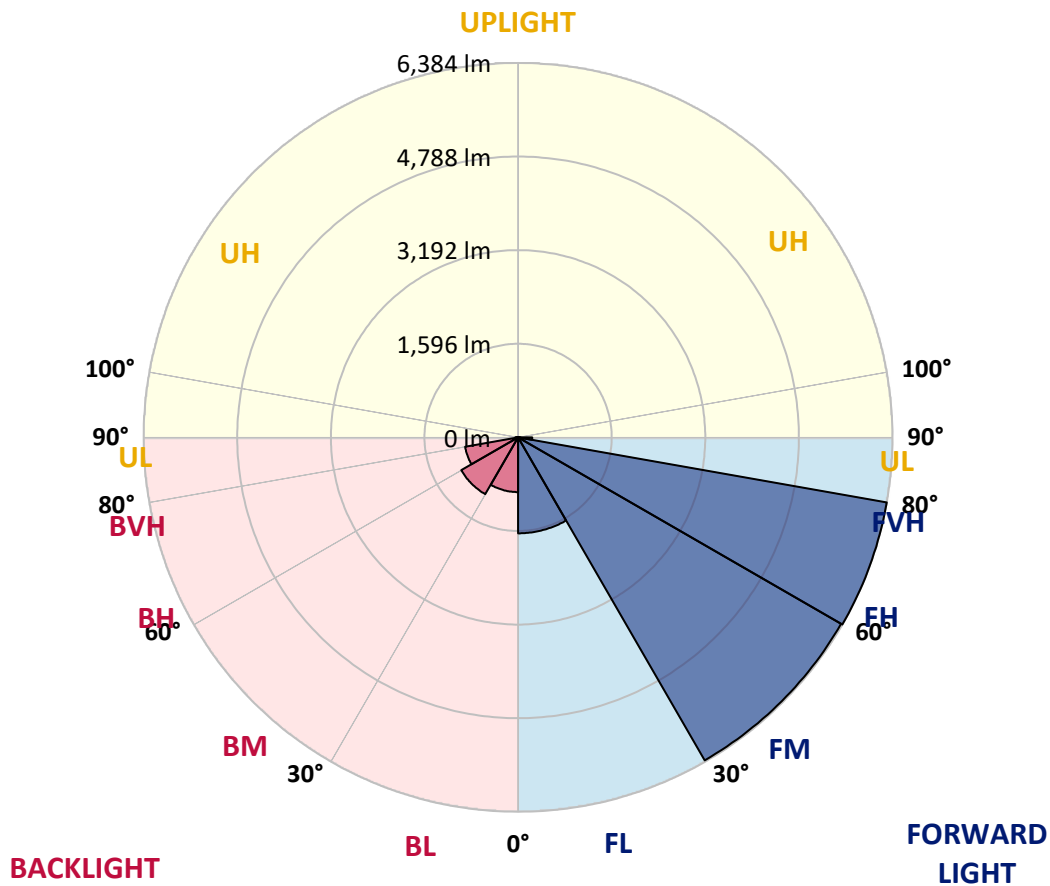
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1636.9	9.3			
FM (30°-60°)	6360.3	36.1			
FH (60°-80°)	6384.1	36.2			G3/7500
FVH (80°-90°)	240.4	1.4			G3/500
BL (0°-30°)	933.3	5.3	B2/1000		
BM (30°-60°)	1118.4	6.3	B2/2500		
BH (60°-80°)	916.7	5.2	B2/1000		G2/1000
BVH (80°-90°)	48.1	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°	4880.7	4880.7	4880.7	4880.7	4880.7	4880.7	4880.7	4880.7	4880.7	4880.7	4880.7
2.5°	4812.3	4817.5	4831.7	4852.3	4873.0	4883.3	4909.1	4901.4	4896.2	4885.9	4873.0
5°	4599.4	4609.7	4622.6	4662.6	4707.8	4743.9	4802.0	4808.4	4811.0	4816.2	4795.5
7.5°	4328.4	4331.0	4361.9	4414.8	4474.2	4536.2	4632.9	4660.0	4683.3	4709.1	4692.3
10°	4029.0	4035.4	4058.7	4134.8	4236.8	4328.4	4458.7	4503.9	4552.9	4609.7	4586.5
12.5°	3783.8	3785.1	3822.5	3903.8	4014.8	4138.7	4301.3	4355.5	4420.0	4509.1	4488.4
15°	3588.9	3588.9	3623.8	3693.4	3821.2	3967.0	4160.6	4230.3	4318.1	4438.1	4401.9
17.5°	3434.1	3435.3	3457.3	3530.8	3644.4	3805.7	4035.4	4129.6	4226.4	4385.2	4331.0
20°	3352.8	3346.3	3350.2	3395.3	3492.1	3648.3	3910.3	4019.9	4150.3	4349.0	4266.4
22.5°	3348.9	3337.3	3320.5	3324.4	3381.1	3510.2	3776.0	3909.0	4072.9	4319.3	4200.6
25°	3414.7	3401.8	3372.1	3338.6	3333.4	3410.8	3649.6	3800.6	3992.8	4306.4	4137.4
27.5°	3525.7	3516.6	3477.9	3427.6	3374.7	3372.1	3554.1	3711.5	3934.8	4319.3	4092.2
30°	3672.8	3657.3	3632.8	3568.3	3488.3	3405.7	3516.6	3663.8	3896.1	4360.6	4072.9
32.5°	3839.3	3830.2	3807.0	3742.5	3657.3	3525.7	3546.3	3674.1	3896.1	4432.9	4076.7
35°	4016.1	4014.8	4014.8	3972.2	3878.0	3714.1	3663.8	3761.8	3955.4	4549.1	4118.0
37.5°	4187.7	4186.4	4227.7	4243.2	4136.1	3959.3	3863.8	3937.4	4085.8	4720.7	4220.0
40°	4327.1	4332.3	4422.6	4500.0	4440.7	4276.8	4142.5	4180.0	4297.4	4964.6	4398.1
42.5°	4467.8	4481.9	4617.5	4754.2	4777.5	4635.5	4500.0	4522.0	4600.7	5287.2	4663.9
45°	4621.3	4627.8	4817.5	5008.5	5120.8	5036.9	4925.9	4955.6	4973.6	5686.0	5060.1
47.5°	4769.7	4786.5	5031.7	5293.7	5506.6	5498.9	5436.9	5427.9	5431.8	6171.2	5528.6
50°	4972.3	4996.9	5284.6	5600.8	5913.1	6056.4	6074.4	6006.0	5977.7	6710.7	6111.9
52.5°	5356.9	5356.9	5615.0	5926.0	6345.4	6700.3	6821.6	6709.4	6619.0	7281.1	6731.3
55°	5838.3	5858.9	6064.1	6315.8	6847.5	7377.9	7788.2	7664.4	7408.8	7901.8	7380.4
57.5°	6052.5	6078.3	6403.5	6794.5	7504.3	8148.3	8717.4	8673.5	8300.6	8547.1	8054.1
60°	5665.3	5719.6	6167.4	6822.9	8099.3	9391.1	9792.4	9664.6	9131.7	9224.6	8784.5
62.5°	4725.9	4785.2	5282.1	6197.0	8016.7	10734.5	11486.9	11015.8	10169.2	10080.2	9757.6
65°	2819.8	2817.2	3414.7	4627.8	6998.4	11107.4	14168.5	13289.7	11772.1	11254.6	10759.0
67.5°	1792.5	1788.7	1913.8	2452.0	4657.5	10193.8	15892.7	16121.1	13949.1	12117.9	10841.6
70°	1414.4	1413.1	1503.4	1748.6	2303.6	7254.0	15412.6	16993.5	15264.2	11788.8	9545.9
72.5°	1031.1	1033.7	1173.1	1464.7	1777.0	3641.8	12480.5	14540.2	14039.5	10406.7	7749.5
75°	740.8	744.6	828.5	1121.5	1639.0	1991.3	8299.3	10933.2	10681.6	8341.9	5331.1
77.5°	471.0	476.2	549.8	785.9	1324.1	1608.0	5031.7	7718.6	7106.9	4700.0	1895.8
80°	287.8	304.6	366.5	585.9	1058.2	1206.6	2515.2	4066.4	3559.2	1289.2	637.5
82.5°	148.4	161.3	220.7	362.6	729.1	1059.5	1423.4	1708.6	1102.1	539.4	339.4
85°	46.5	54.2	77.4	147.1	347.1	656.9	942.1	849.2	505.9	254.2	157.4
87.5°	11.6	11.6	12.9	12.9	14.2	29.7	182.0	192.3	134.2	80.0	64.5
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°	4880.7	4880.7	4880.7	4880.7	4880.7	4880.7	4880.7	4880.7	4880.7	4880.7	4880.7
2.5°	4847.2	4816.2	4803.3	4802.0	4769.7	4723.3	4692.3	4670.4	4657.5	4654.9	4654.9
5°	4760.7	4720.7	4667.8	4627.8	4541.3	4453.6	4380.0	4338.7	4291.0	4284.5	4283.2
7.5°	4645.8	4587.8	4487.1	4374.8	4223.8	4078.0	3954.1	3870.2	3786.4	3770.9	3765.7
10°	4522.0	4443.2	4271.6	4074.1	3848.3	3630.2	3440.5	3292.1	3194.0	3124.3	3111.4
12.5°	4399.4	4294.8	4043.2	3748.9	3439.2	3141.1	2855.9	2613.3	2437.8	2335.8	2317.8
15°	4284.5	4138.7	3794.1	3418.6	3015.9	2608.1	2204.2	1889.3	1642.8	1555.1	1534.4
17.5°	4180.0	3998.0	3552.8	3076.6	2574.6	2041.6	1582.2	1302.1	1157.6	1113.7	1103.4
20°	4075.4	3853.5	3307.6	2716.5	2106.1	1508.6	1156.3	1024.7	970.5	953.7	948.5
22.5°	3963.2	3694.7	3040.4	2361.6	1632.5	1129.2	945.9	887.9	871.1	872.4	871.1
25°	3850.9	3533.4	2760.4	1975.8	1215.7	916.3	825.9	804.0	807.9	819.5	822.1
27.5°	3758.0	3390.2	2485.5	1552.5	949.8	788.5	745.9	744.6	758.8	774.3	776.9
30°	3690.9	3262.4	2214.5	1193.7	782.1	700.7	684.0	691.7	708.5	720.1	724.0
32.5°	3643.1	3152.7	1925.4	938.2	685.3	638.8	631.1	638.8	649.1	660.7	663.3
35°	3626.3	3072.7	1641.5	765.3	619.4	593.6	588.5	592.3	597.5	604.0	606.5
37.5°	3663.8	3032.7	1344.7	665.9	579.4	564.0	556.2	553.6	554.9	557.5	558.8
40°	3774.7	3050.8	1102.1	607.8	553.6	539.4	526.5	521.4	520.1	522.7	521.4
42.5°	3965.7	3126.9	926.6	574.3	533.0	512.3	498.1	493.0	493.0	499.4	499.4
45°	4245.8	3276.6	800.1	549.8	514.9	489.1	473.6	471.0	476.2	486.5	487.8
47.5°	4656.2	3496.0	724.0	531.7	498.1	468.5	453.0	451.7	462.0	478.8	480.1
50°	5142.7	3812.2	682.7	518.8	486.5	451.7	436.2	437.5	449.1	467.2	471.0
52.5°	5728.6	4243.2	685.3	513.6	480.1	441.4	425.9	423.3	434.9	453.0	456.8
55°	6333.8	4767.2	735.6	514.9	471.0	436.2	415.5	406.5	416.8	429.7	431.0
57.5°	6999.7	5358.2	860.8	512.3	459.4	431.0	406.5	385.9	392.3	400.1	403.9
60°	7750.8	6053.8	1130.5	517.5	454.3	419.4	388.4	361.3	360.1	365.2	366.5
62.5°	8754.8	6999.7	1433.8	526.5	465.9	405.2	361.3	333.0	327.8	330.4	331.7
65°	9522.7	7451.4	1338.3	518.8	490.4	394.9	335.5	305.9	295.5	292.9	292.9
67.5°	9210.4	6853.9	931.8	498.1	502.0	396.2	314.9	277.5	264.6	258.1	256.8
70°	7837.3	5567.3	647.8	477.5	489.1	393.6	292.9	254.2	237.5	228.4	227.1
72.5°	6191.9	4250.9	523.9	436.2	443.9	354.9	260.7	228.4	214.2	202.6	202.6
75°	3985.1	2593.9	437.5	388.4	362.6	276.2	225.8	203.9	189.7	178.1	178.1
77.5°	1340.8	962.7	339.4	329.1	271.0	207.8	189.7	175.5	163.9	153.6	152.3
80°	544.6	456.8	249.1	249.1	189.7	158.7	148.4	142.0	134.2	121.3	121.3
82.5°	316.2	277.5	174.2	151.0	126.5	109.7	103.2	96.8	96.8	87.8	87.8
85°	152.3	153.6	104.5	92.9	72.3	63.2	60.7	56.8	55.5	50.3	49.0
87.5°	82.6	83.9	52.9	41.3	28.4	24.5	20.6	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)