

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: P636332

Luminaire Tested: GWS-SA3F-750-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636332
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-750-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19706.4 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

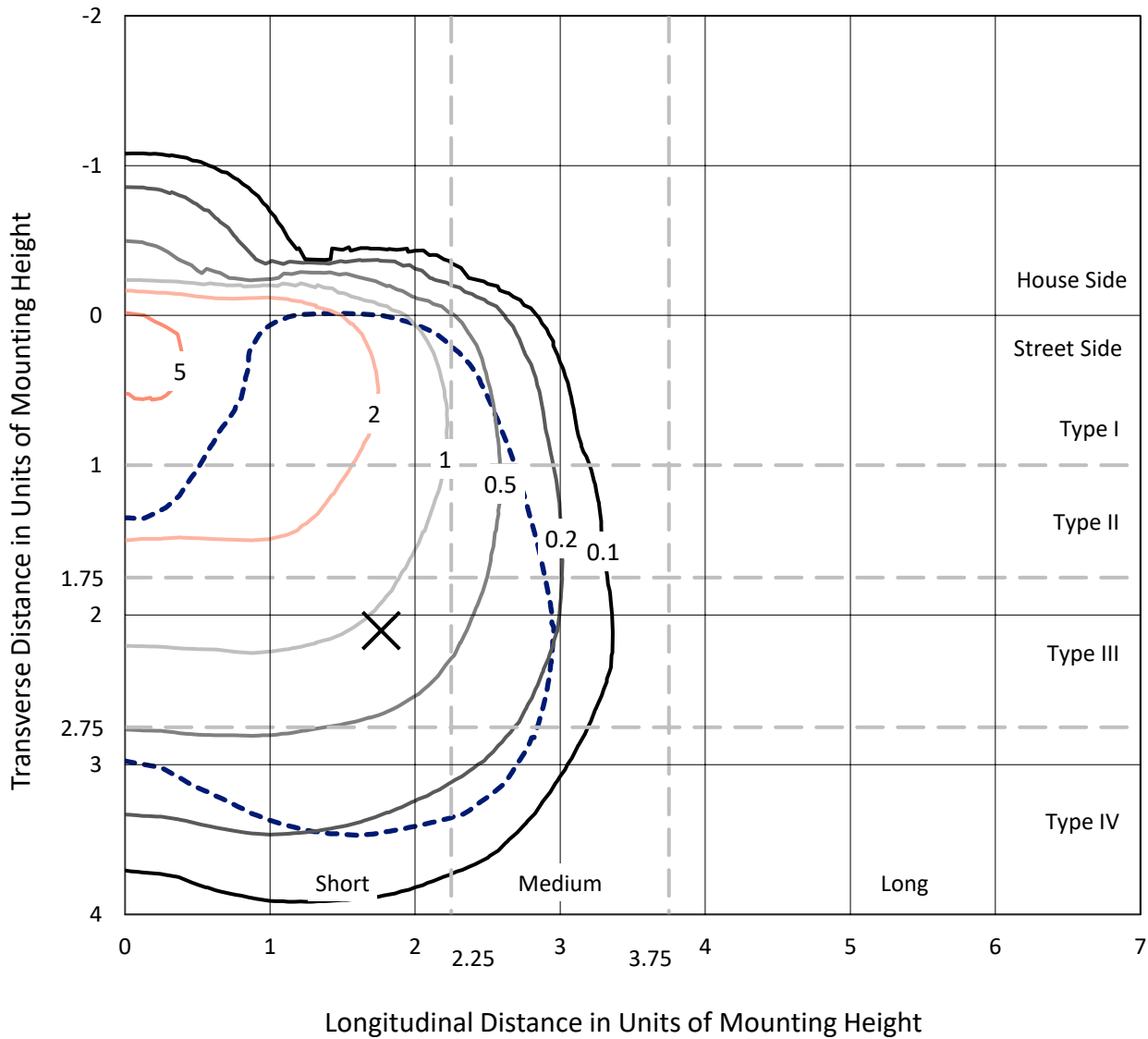
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

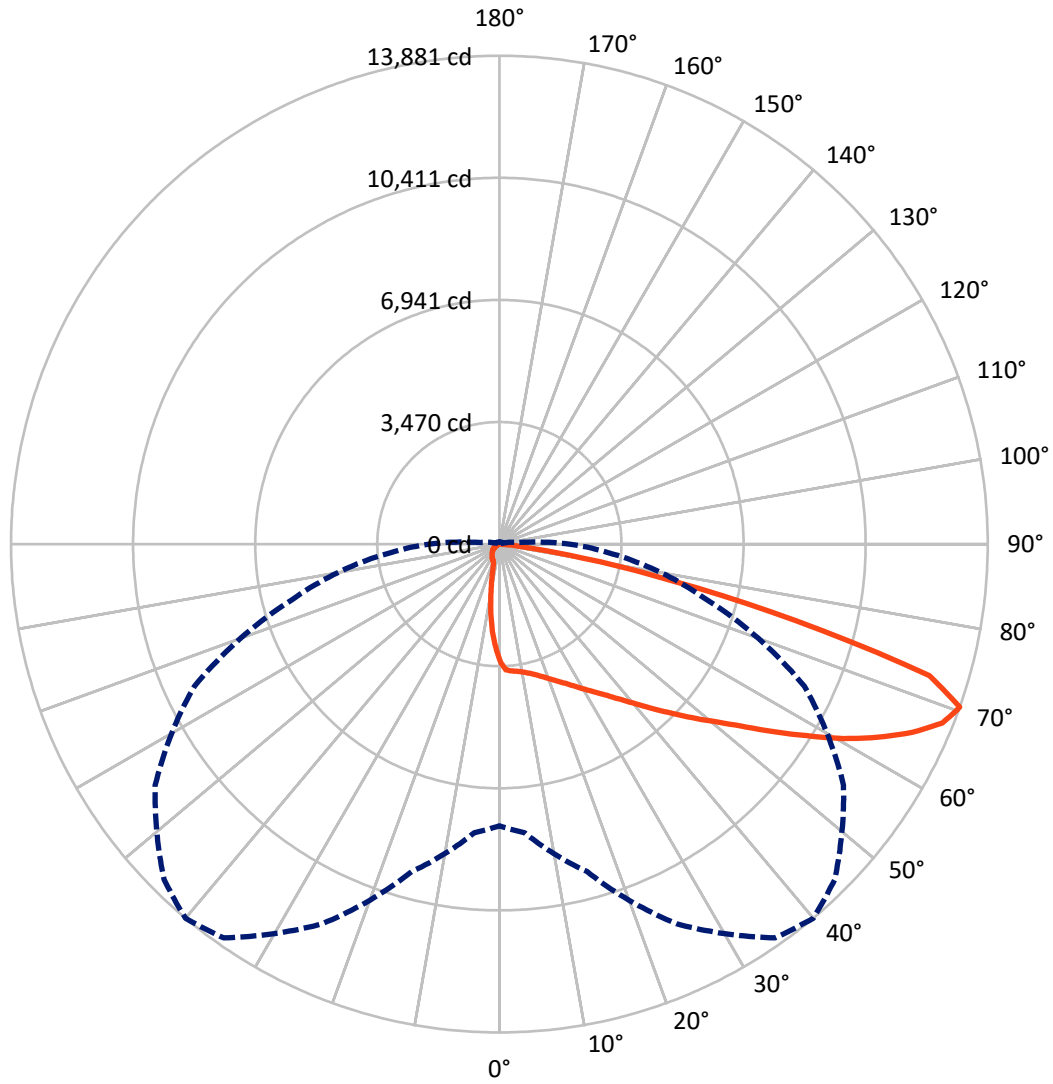
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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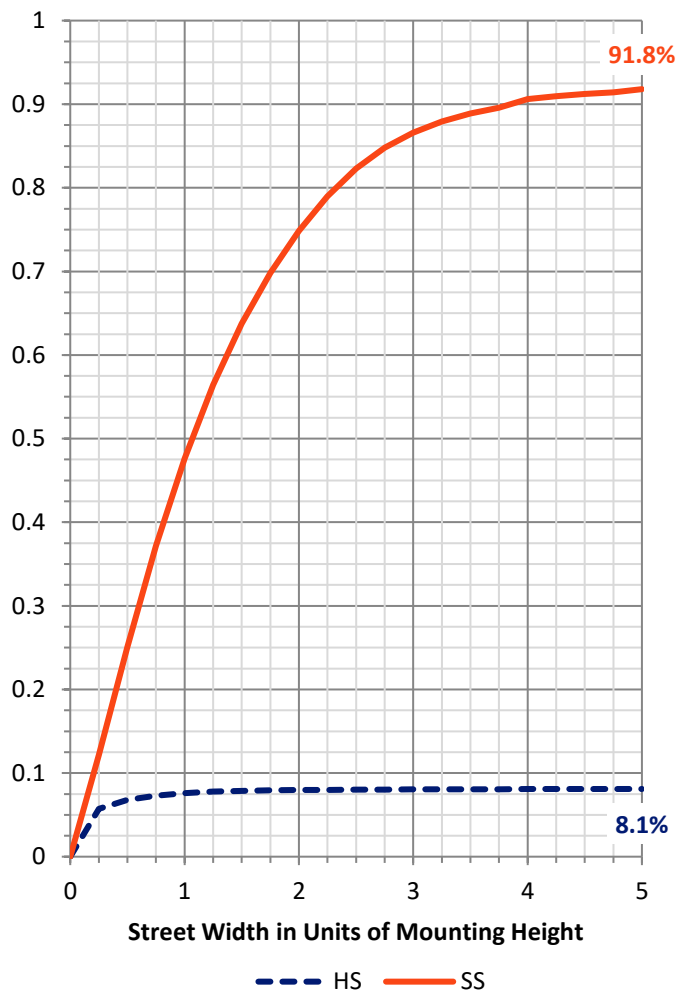
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1611.5	0.0	1611.5
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	18094.9	0.0	18094.9
	% Fixture	91.8	0.0	91.8
Total	Lumens	19706.4	0.0	19706.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.6	1.4
10°-20°	716.8	3.6
20°-30°	1199.7	6.1
30°-40°	1884.3	9.6
40°-50°	2980.5	15.1
50°-60°	4347.8	22.1
60°-70°	5389.7	27.4
70°-80°	2726.9	13.8
80°-90°	178.0	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°	19706.4	100.0
0°-180°	19706.4	100.0

Coefficient of Utilization

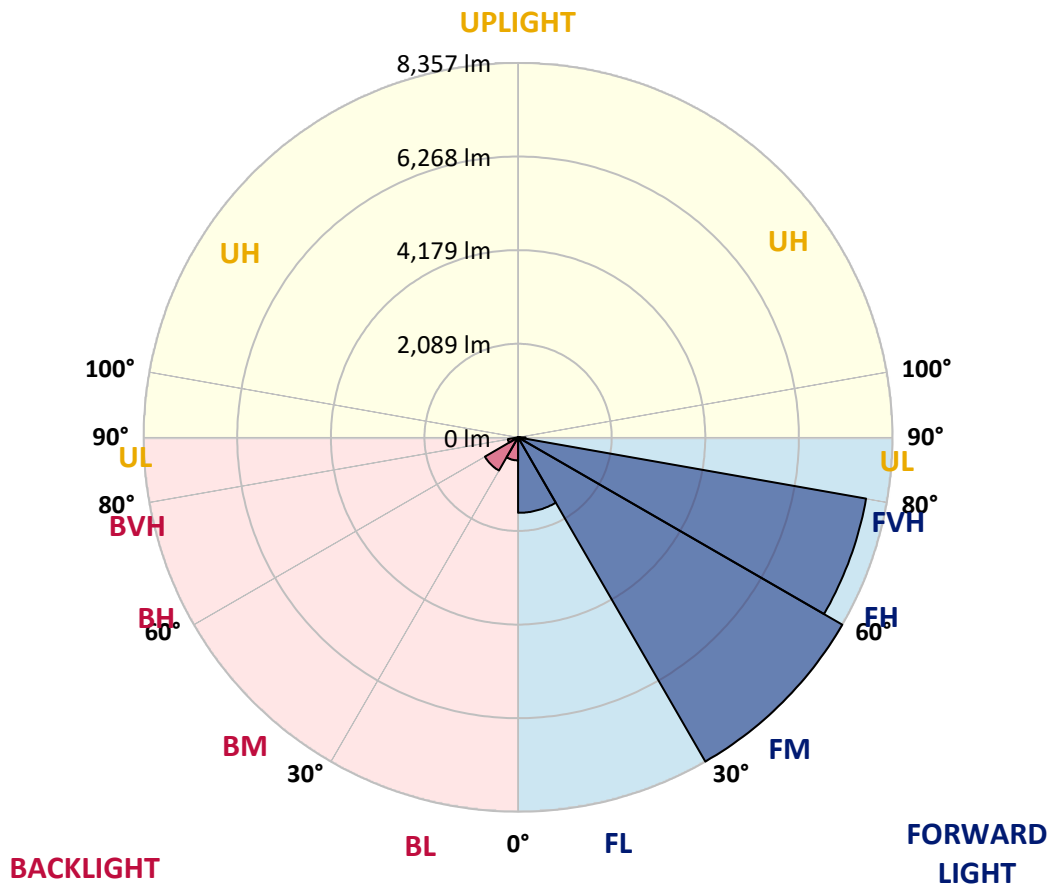


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1684.5	8.5			
FM (30°-60°)	8357.3	42.4			
FH (60°-80°)	7886.8	40.0			G4/12000
FVH (80°-90°)	166.3	0.8			G2/225
BL (0°-30°)	514.6	2.6	B2/1000		
BM (30°-60°)	855.4	4.3	B1/1000		
BH (60°-80°)	229.8	1.2	B1/500		G1/500
BVH (80°-90°)	11.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	3343.9	3343.9	3343.9	3343.9	3343.9	3343.9	3343.9	3343.9	3343.9	3343.9	3343.9
2.5°	3595.0	3607.5	3605.7	3611.1	3598.5	3578.8	3575.2	3548.3	3499.9	3439.0	3370.8
5°	3668.5	3682.8	3672.1	3666.7	3643.4	3621.9	3616.5	3587.8	3532.2	3449.7	3331.4
7.5°	3731.2	3734.8	3727.6	3715.1	3681.0	3652.3	3632.6	3593.2	3526.8	3444.3	3308.1
10°	3742.0	3740.2	3743.8	3745.6	3724.1	3699.0	3682.8	3629.0	3544.8	3456.9	3309.9
12.5°	3729.4	3729.4	3752.7	3779.6	3779.6	3767.1	3751.0	3702.5	3603.9	3499.9	3345.7
15°	3745.6	3751.0	3795.8	3846.0	3862.1	3849.6	3842.4	3792.2	3690.0	3575.2	3410.3
17.5°	3802.9	3808.3	3880.0	3955.4	3975.1	3960.7	3946.4	3896.2	3786.8	3661.3	3483.8
20°	3887.2	3901.6	3993.0	4089.8	4107.8	4089.8	4061.1	3991.2	3881.8	3754.5	3553.7
22.5°	4041.4	4050.4	4149.0	4251.2	4260.2	4231.5	4188.4	4091.6	3976.9	3853.2	3632.6
25°	4245.8	4258.4	4357.0	4455.6	4432.3	4389.3	4330.1	4220.7	4089.8	3969.7	3733.0
27.5°	4489.7	4504.0	4600.8	4686.9	4625.9	4575.7	4509.4	4373.1	4240.4	4131.1	3862.1
30°	4753.2	4765.8	4851.9	4928.9	4848.3	4789.1	4710.2	4570.3	4435.9	4353.4	4045.0
32.5°	5007.8	5006.0	5088.5	5151.3	5068.8	5022.2	4950.5	4808.8	4701.2	4665.4	4317.5
35°	5244.5	5244.5	5312.7	5375.4	5316.2	5291.1	5224.8	5111.8	5050.9	5093.9	4681.5
37.5°	5483.0	5470.4	5535.0	5604.9	5599.5	5601.3	5563.7	5509.9	5513.5	5665.9	5181.8
40°	5680.2	5674.8	5750.1	5841.6	5913.3	5970.7	5947.4	5967.1	6080.1	6365.1	5821.9
42.5°	5838.0	5850.5	5947.4	6092.6	6273.7	6390.2	6406.4	6487.1	6777.5	7218.6	6544.4
45°	6019.1	6020.9	6155.4	6377.7	6666.4	6851.0	6915.6	7123.6	7536.0	8104.3	7336.9
47.5°	6241.4	6219.9	6370.5	6682.5	7100.3	7372.8	7487.6	7747.5	8385.8	8968.6	7982.4
50°	6487.1	6447.6	6618.0	7042.9	7586.2	7926.8	8159.9	8540.0	9228.6	9678.6	8462.9
52.5°	6772.2	6734.5	6928.1	7457.1	8168.9	8583.1	8882.5	9266.2	9951.1	10220.1	8749.8
55°	7134.3	7096.7	7301.1	7953.7	8857.4	9395.3	9709.1	10031.8	10623.5	10619.9	8957.8
57.5°	7536.0	7484.0	7767.3	8581.3	9716.3	10275.7	10594.8	10752.6	11134.5	10930.1	9097.7
60°	7996.8	7950.1	8342.8	9329.0	10707.8	11226.0	11426.8	11362.2	11554.1	11113.0	9049.3
62.5°	8412.7	8391.2	8878.9	10121.5	11652.7	12090.2	12145.8	11864.3	11862.5	11116.6	8722.9
65°	8844.9	8886.1	9610.5	11034.1	12603.0	12897.0	12802.0	12362.7	11986.2	10677.3	7758.3
67.5°	9006.2	9126.4	10092.8	11858.9	13352.5	13582.0	13415.2	12611.9	11471.6	9199.9	5907.9
70°	8009.3	8235.2	9637.4	11905.5	13662.6	13881.4	13481.5	11941.4	9563.8	6094.4	3236.4
72.5°	6090.8	6354.4	8030.8	9748.5	12287.4	12785.9	12102.7	9728.8	6164.3	2669.8	1086.6
75°	3408.5	3693.6	5981.4	7340.5	8249.6	8705.0	8454.0	6241.4	2730.7	697.5	324.5
77.5°	1152.9	1247.9	2782.7	4541.7	5445.3	5036.5	4263.7	3100.1	1004.1	265.4	172.1
80°	683.1	719.0	1036.4	2261.0	2865.2	2375.7	1875.5	1145.7	511.0	141.6	120.1
82.5°	204.4	242.1	572.0	839.1	1122.4	699.3	591.7	654.4	265.4	77.1	100.4
85°	0.0	0.0	121.9	260.0	294.1	114.8	114.8	371.2	48.4	32.3	73.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	9.0	5.4	7.2	16.1
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°	3343.9	3343.9	3343.9	3343.9	3343.9	3343.9	3343.9	3343.9	3343.9	3343.9	3343.9
2.5°	3322.4	3259.7	3186.2	3116.2	3049.9	2963.8	2922.6	2872.4	2829.3	2806.0	2818.6
5°	3256.1	3157.5	3006.9	2854.5	2700.3	2555.0	2424.1	2336.3	2257.4	2216.1	2225.1
7.5°	3198.7	3066.0	2831.1	2581.9	2334.5	2085.3	1882.6	1724.9	1602.9	1552.7	1543.8
10°	3173.6	3006.9	2675.2	2316.6	1936.4	1601.1	1314.3	1140.3	1016.6	955.7	966.4
12.5°	3186.2	2976.4	2542.5	2056.6	1563.5	1172.6	898.3	735.1	647.3	611.4	602.4
15°	3222.0	2969.2	2424.1	1791.2	1206.7	819.4	620.4	554.0	536.1	532.5	532.5
17.5°	3263.3	2971.0	2302.2	1522.3	916.2	607.8	530.7	518.2	512.8	509.2	511.0
20°	3304.5	2971.0	2162.4	1249.7	688.5	525.3	505.6	496.7	491.3	489.5	489.5
22.5°	3354.7	2971.0	2006.4	996.9	552.2	498.5	482.3	476.9	471.6	469.8	468.0
25°	3415.7	2972.8	1834.2	780.0	502.0	475.1	462.6	457.2	451.8	448.2	448.2
27.5°	3503.5	2987.1	1644.2	607.8	473.4	453.6	442.9	437.5	432.1	426.7	426.7
30°	3630.8	3023.0	1430.8	502.0	446.5	430.3	419.6	416.0	410.6	405.2	403.4
32.5°	3820.9	3085.7	1210.3	450.0	421.4	405.2	392.7	389.1	383.7	378.3	376.5
35°	4086.2	3200.5	995.1	417.8	389.1	372.9	365.8	364.0	356.8	351.4	351.4
37.5°	4475.3	3387.0	788.9	385.5	362.2	349.6	340.7	337.1	329.9	324.5	322.7
40°	4950.5	3629.0	613.2	360.4	337.1	324.5	315.6	310.2	301.2	294.1	290.5
42.5°	5556.5	3924.9	484.1	333.5	313.8	301.2	294.1	283.3	270.7	260.0	258.2
45°	6187.6	4229.7	399.8	308.4	292.3	281.5	272.5	258.2	240.3	227.7	224.1
47.5°	6671.7	4419.7	349.6	281.5	268.9	260.0	249.2	231.3	209.8	195.4	191.9
50°	7017.8	4448.4	312.0	256.4	249.2	240.3	224.1	202.6	179.3	165.0	161.4
52.5°	7188.1	4319.3	281.5	233.1	227.7	218.7	199.0	175.7	150.6	136.3	132.7
55°	7265.2	4075.5	252.8	213.4	206.2	195.4	173.9	148.8	123.7	111.2	107.6
57.5°	7234.7	3715.1	227.7	193.6	184.7	172.1	148.8	121.9	102.2	89.6	87.9
60°	7008.8	3209.5	202.6	173.9	163.2	148.8	125.5	100.4	82.5	73.5	71.7
62.5°	6521.1	2581.9	177.5	150.6	143.4	129.1	107.6	82.5	68.1	62.8	61.0
65°	5522.4	1825.3	152.4	127.3	123.7	109.4	89.6	68.1	59.2	55.6	53.8
67.5°	3969.7	1109.9	129.1	109.4	105.8	93.2	75.3	59.2	53.8	52.0	52.0
70°	1995.6	525.3	102.2	89.6	89.6	77.1	64.5	53.8	52.0	50.2	50.2
72.5°	677.8	224.1	77.1	69.9	73.5	66.3	55.6	50.2	50.2	50.2	50.2
75°	231.3	118.3	53.8	50.2	53.8	53.8	48.4	48.4	50.2	50.2	50.2
77.5°	150.6	78.9	37.7	34.1	41.2	41.2	41.2	44.8	48.4	48.4	48.4
80°	123.7	43.0	25.1	23.3	30.5	30.5	34.1	41.2	44.8	44.8	44.8
82.5°	105.8	26.9	14.3	16.1	21.5	23.3	28.7	34.1	39.4	41.2	41.2
85°	71.7	14.3	10.8	12.6	14.3	17.9	23.3	28.7	32.3	35.9	35.9
87.5°	19.7	5.4	7.2	9.0	9.0	12.6	17.9	21.5	25.1	26.9	26.9
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)