

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: P636326

Luminaire Tested: GWS-SA3F-750-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636326
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-750-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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: 19826.5 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

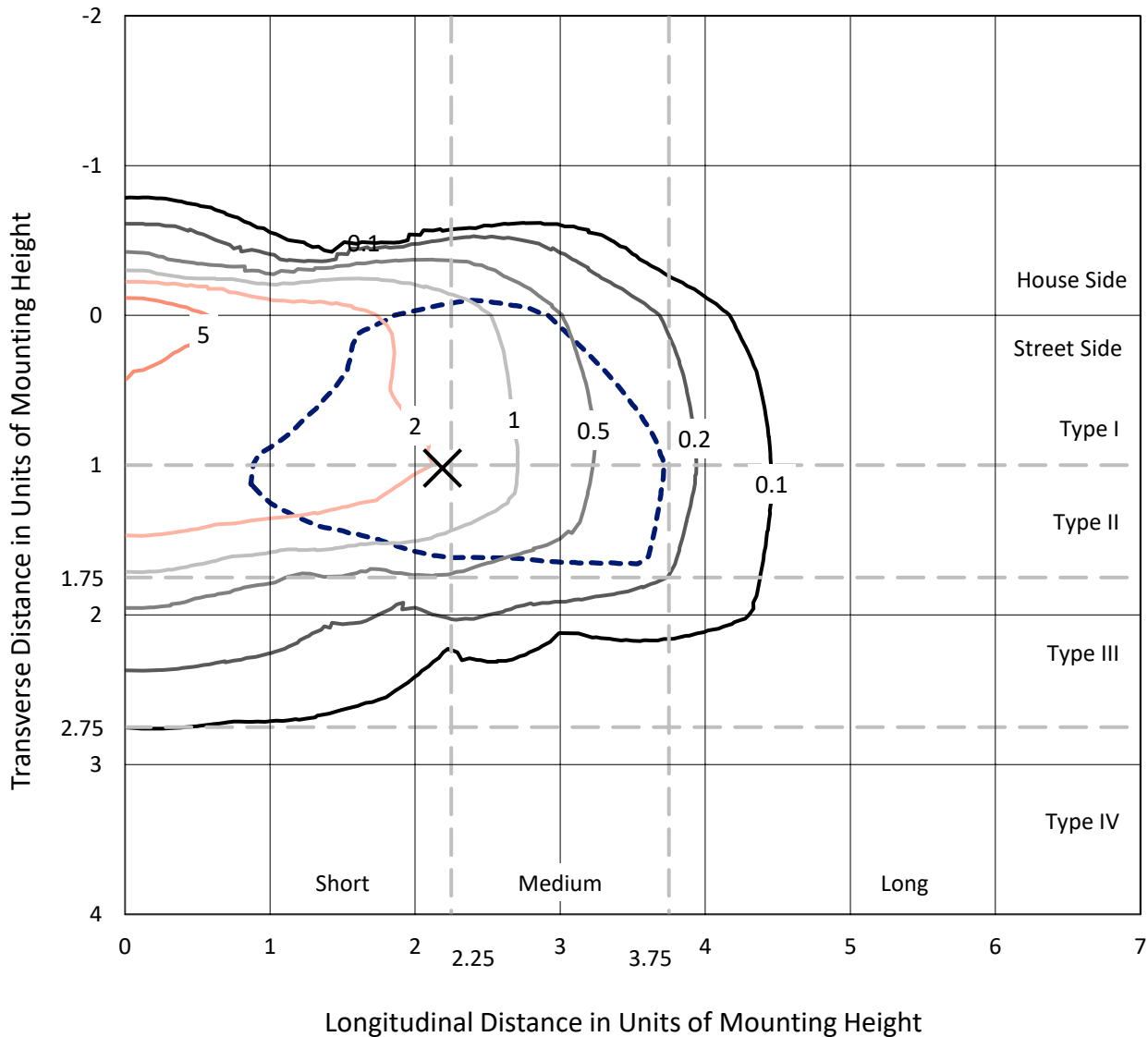
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

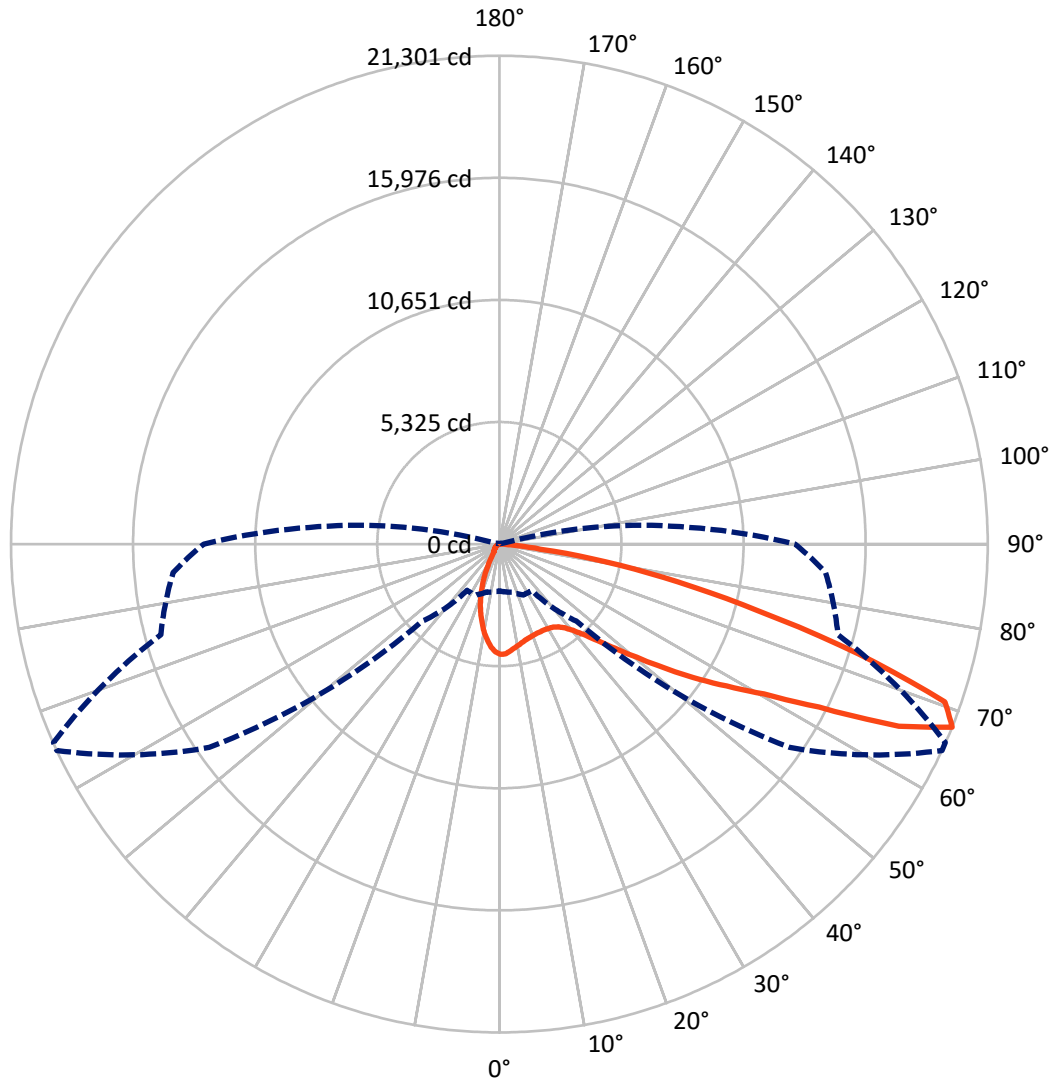
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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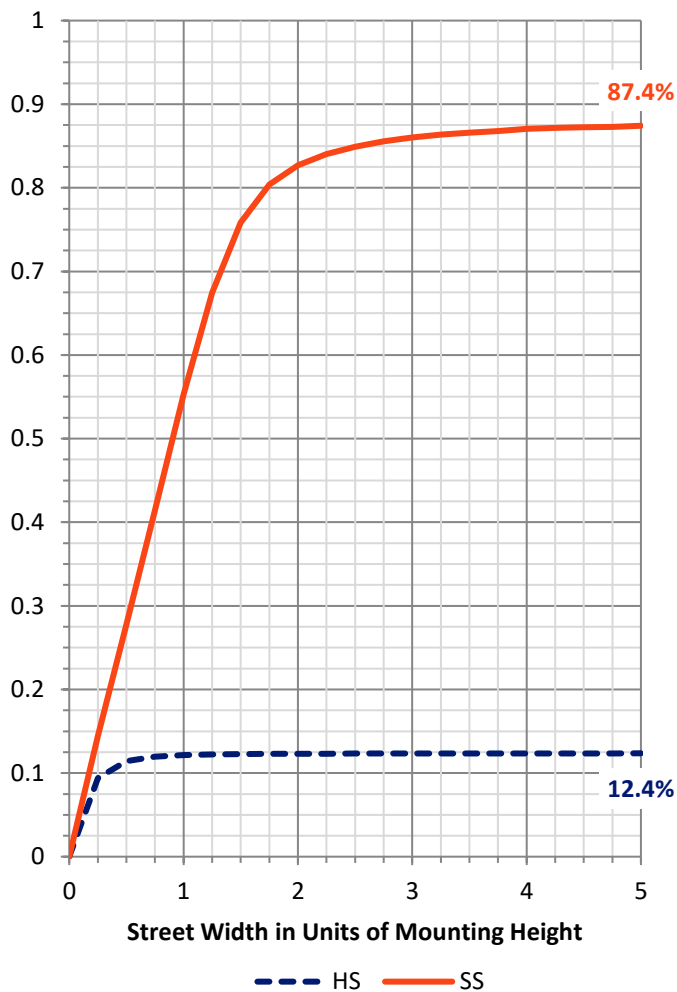
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2475.7	0.0	2475.7
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	17350.8	0.0	17350.8
	% Fixture	87.5	0.0	87.5
Total	Lumens	19826.5	0.0	19826.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	399.4	2.0
10°-20°	897.8	4.5
20°-30°	1282.9	6.5
30°-40°	1866.4	9.4
40°-50°	2923.1	14.7
50°-60°	4560.1	23.0
60°-70°	5009.1	25.3
70°-80°	2665.8	13.4
80°-90°	222.0	1.1
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°	19826.5	100.0
0°-180°	19826.5	100.0

Coefficient of Utilization



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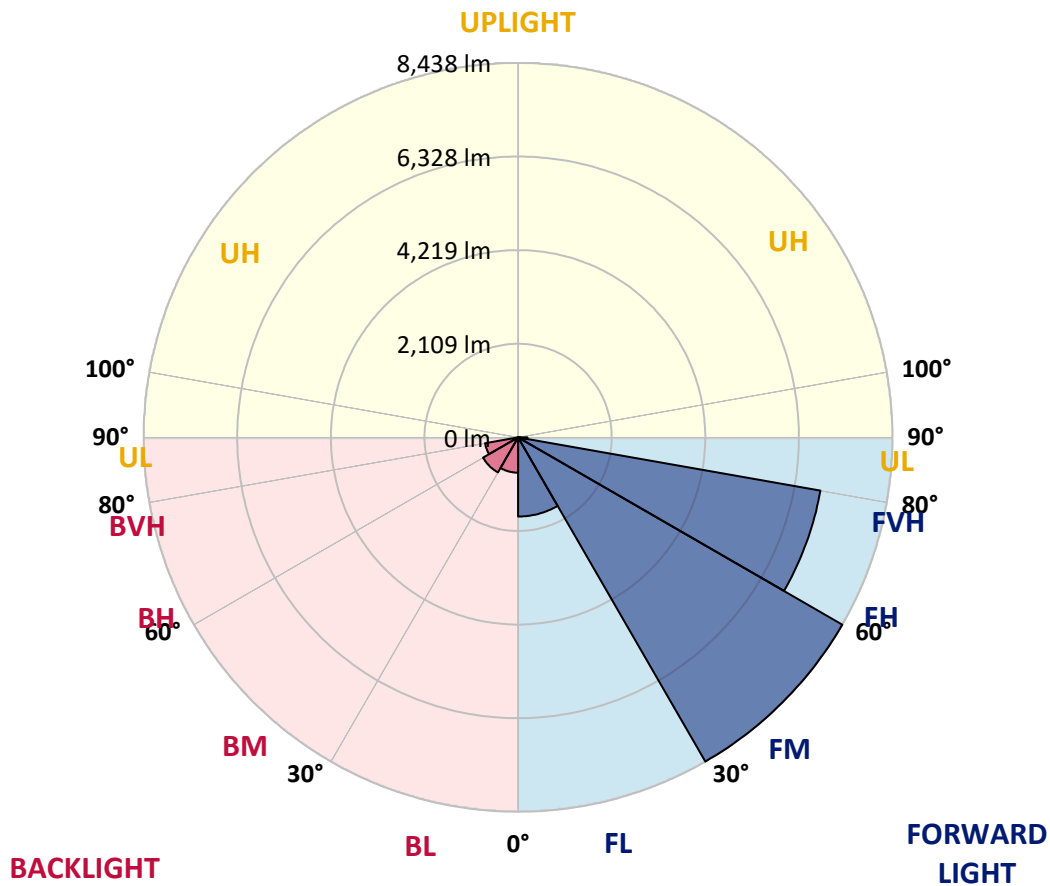
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1784.3	9.0			
FM (30°-60°)	8437.7	42.6			
FH (60°-80°)	6918.7	34.9			G3/7500
FVH (80°-90°)	210.1	1.1			G2/225
BL (0°-30°)	795.8	4.0	B2/1000		
BM (30°-60°)	911.9	4.6	B1/1000		
BH (60°-80°)	756.2	3.8	B2/1000		G2/1000
BVH (80°-90°)	11.9	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4808.6	4808.6	4808.6	4808.6	4808.6	4808.6	4808.6	4808.6	4808.6	4808.6	4808.6
2.5°	4641.8	4656.2	4636.4	4684.8	4693.8	4747.6	4778.1	4799.6	4797.8	4824.7	4824.7
5°	4369.3	4383.6	4372.9	4424.9	4466.1	4550.4	4620.3	4701.0	4704.6	4787.0	4817.5
7.5°	4138.0	4139.8	4139.8	4204.3	4258.1	4362.1	4466.1	4589.8	4604.2	4731.5	4812.1
10°	3948.0	3953.3	3955.1	4028.6	4087.8	4213.3	4346.0	4494.8	4510.9	4683.0	4808.6
12.5°	3817.1	3818.9	3826.0	3903.1	3967.7	4098.6	4233.0	4403.4	4424.9	4627.5	4792.4
15°	3754.3	3750.7	3754.3	3818.9	3883.4	4008.9	4147.0	4329.8	4353.2	4580.9	4794.2
17.5°	3750.7	3745.4	3741.8	3790.2	3831.4	3942.6	4082.4	4281.4	4306.5	4559.3	4813.9
20°	3802.7	3799.1	3781.2	3802.7	3811.7	3903.1	4041.2	4243.8	4268.9	4555.8	4857.0
22.5°	3939.0	3930.0	3903.1	3883.4	3835.0	3888.8	4012.5	4216.9	4245.6	4564.7	4912.5
25°	4141.6	4138.0	4103.9	4055.5	3931.8	3910.3	4014.3	4216.9	4243.8	4575.5	4971.7
27.5°	4446.4	4424.9	4381.8	4297.6	4120.1	3994.6	4050.2	4227.7	4254.5	4589.8	5020.1
30°	4756.6	4754.8	4740.4	4654.4	4390.8	4155.9	4125.5	4256.3	4281.4	4602.4	5064.9
32.5°	5077.5	5082.9	5118.7	5052.4	4763.7	4396.2	4261.7	4315.5	4333.4	4627.5	5104.4
35°	5382.3	5393.0	5488.1	5511.4	5217.3	4760.1	4484.0	4433.8	4435.6	4683.0	5156.4
37.5°	5674.5	5710.4	5862.8	5975.7	5782.1	5201.2	4805.0	4634.6	4620.3	4794.2	5235.3
40°	6006.2	6074.3	6266.2	6458.0	6397.1	5783.9	5242.4	4943.0	4912.5	4998.6	5376.9
42.5°	6373.8	6447.3	6701.9	6970.8	6999.5	6488.5	5789.3	5393.0	5341.0	5342.8	5642.2
45°	6768.2	6866.8	7162.6	7549.9	7723.8	7273.8	6463.4	6000.8	5948.8	5871.7	6069.0
47.5°	7286.3	7372.4	7657.5	8103.9	8437.4	8116.4	7347.3	6782.5	6687.5	6574.6	6732.3
50°	7732.8	7808.1	8053.7	8613.1	9306.9	9202.9	8349.5	7759.7	7668.2	7476.4	7607.3
52.5°	7831.4	7890.5	8116.4	8745.8	9972.1	10574.5	9577.7	8941.2	8876.6	8521.6	8571.8
55°	7388.5	7478.2	7680.8	8380.0	10146.0	11915.6	11171.5	10273.3	10138.8	9572.3	9661.9
57.5°	6269.8	6429.3	6619.4	7528.4	9674.5	12629.2	13398.3	11684.3	11562.4	10583.5	10585.3
60°	4595.2	4724.3	4851.6	5683.5	8555.7	12580.8	15418.9	13269.2	13046.9	11410.0	11379.5
62.5°	3342.0	3408.3	3406.5	3702.3	5875.3	11752.4	16480.3	15657.4	15139.2	12293.9	12120.0
65°	2628.4	2626.6	2703.7	2800.5	3281.0	9072.1	16611.2	19144.6	18585.2	13479.0	13116.8
67.5°	2045.7	2085.1	2162.2	2447.3	2465.2	4747.6	15460.2	21301.4	21290.7	15288.0	14284.0
70°	1577.7	1631.5	1740.9	2156.9	2277.0	2657.1	11567.8	20618.3	20792.2	16096.6	13457.5
72.5°	1013.0	1009.4	1170.8	1742.7	2187.3	2214.2	6397.1	16378.1	16575.3	14579.8	10881.1
75°	566.6	570.1	661.6	1066.8	2038.5	2083.3	3168.0	11678.9	11834.9	11367.0	8360.3
77.5°	222.3	229.5	310.2	561.2	1344.7	1861.0	1882.5	7964.1	7987.4	7044.3	5127.7
80°	89.6	95.0	157.8	347.8	819.4	1253.2	1344.7	4692.0	4597.0	2727.0	1491.7
82.5°	26.9	28.7	62.8	197.2	428.5	891.1	907.2	1800.1	1699.7	586.3	380.1
85°	1.8	1.8	14.3	61.0	152.4	224.1	604.2	586.3	519.9	147.0	168.5
87.5°	0.0	0.0	1.8	1.8	3.6	7.2	64.5	107.6	109.4	26.9	75.3
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°	4808.6	4808.6	4808.6	4808.6	4808.6	4808.6	4808.6	4808.6	4808.6	4808.6	4808.6
2.5°	4824.7	4760.1	4754.8	4704.6	4654.4	4591.6	4518.1	4464.3	4426.7	4360.3	4347.8
5°	4817.5	4731.5	4650.8	4507.3	4347.8	4175.7	4025.1	3885.2	3797.4	3738.2	3713.1
7.5°	4803.2	4693.8	4507.3	4236.6	3969.5	3668.3	3433.4	3218.3	3071.2	2985.2	2947.5
10°	4792.4	4645.4	4342.4	3931.8	3517.7	3101.7	2744.9	2425.8	2248.3	2108.4	2085.1
12.5°	4770.9	4575.5	4130.8	3575.0	3040.8	2488.5	2033.1	1642.3	1371.6	1249.6	1206.6
15°	4749.4	4502.0	3919.3	3198.5	2520.8	1839.5	1287.3	910.8	724.3	667.0	663.4
17.5°	4745.8	4435.6	3689.8	2841.7	1975.8	1204.8	733.3	589.9	550.4	536.1	536.1
20°	4756.6	4380.0	3463.9	2431.2	1439.7	733.3	546.8	511.0	487.7	475.1	475.1
22.5°	4767.3	4322.7	3246.9	2017.0	955.6	536.1	482.3	451.8	424.9	410.6	403.4
25°	4774.5	4259.9	3006.7	1601.1	623.9	466.2	423.1	383.7	351.4	333.5	333.5
27.5°	4772.7	4184.6	2764.6	1194.1	484.1	414.2	362.2	320.9	288.7	268.9	270.7
30°	4758.3	4102.1	2513.6	833.7	423.1	362.2	310.2	267.1	234.9	218.7	216.9
32.5°	4747.6	4014.3	2223.2	586.3	380.1	317.3	263.6	222.3	195.4	182.9	181.1
35°	4735.0	3928.2	1947.1	446.4	342.4	274.3	222.3	188.3	166.7	156.0	156.0
37.5°	4738.6	3838.6	1647.7	383.7	304.8	238.5	190.0	161.4	143.4	132.7	130.9
40°	4794.2	3784.8	1353.6	347.8	270.7	206.2	164.9	139.8	121.9	111.2	109.4
42.5°	4932.3	3786.6	1072.2	320.9	240.2	175.7	143.4	120.1	104.0	91.4	89.6
45°	5208.4	3861.9	822.9	292.2	208.0	152.4	123.7	102.2	86.1	75.3	73.5
47.5°	5660.2	4086.0	623.9	267.1	181.1	132.7	105.8	86.1	71.7	62.8	61.0
50°	6379.1	4491.2	491.3	236.7	152.4	114.7	89.6	71.7	59.2	50.2	48.4
52.5°	7243.3	5099.0	421.3	209.8	130.9	100.4	77.1	59.2	48.4	41.2	39.4
55°	8236.6	5825.1	389.1	182.9	111.2	86.1	62.8	48.4	39.4	34.1	30.5
57.5°	9147.4	6479.5	387.3	156.0	95.0	73.5	52.0	41.2	34.1	26.9	25.1
60°	10034.8	7026.4	364.0	129.1	82.5	61.0	44.8	34.1	28.7	23.3	21.5
62.5°	10839.9	7471.0	304.8	104.0	69.9	50.2	37.7	30.5	25.1	19.7	19.7
65°	11851.1	8037.6	233.1	84.3	57.4	41.2	32.3	26.9	23.3	17.9	17.9
67.5°	12896.3	8337.0	166.7	69.9	46.6	35.9	28.7	25.1	19.7	16.1	16.1
70°	11680.7	7044.3	120.1	57.4	39.4	30.5	25.1	23.3	19.7	16.1	14.3
72.5°	9122.3	5079.3	89.6	44.8	34.1	28.7	23.3	21.5	17.9	14.3	14.3
75°	6764.6	2961.9	68.1	35.9	26.9	23.3	23.3	21.5	17.9	14.3	12.6
77.5°	3677.2	1032.7	52.0	28.7	21.5	17.9	19.7	19.7	16.1	12.6	10.8
80°	973.5	283.3	35.9	21.5	17.9	14.3	14.3	17.9	14.3	10.8	10.8
82.5°	283.3	82.5	25.1	17.9	14.3	12.6	12.6	12.6	10.8	9.0	7.2
85°	138.1	30.5	17.9	14.3	12.6	10.8	9.0	9.0	7.2	5.4	5.4
87.5°	61.0	12.6	14.3	12.6	12.6	9.0	7.2	5.4	5.4	3.6	1.8
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)