

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: P636271

Luminaire Tested: GWS-SA3F-740-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636271
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19382.4 lumens
Efficiency: N/A
Efficacy: 105.8 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

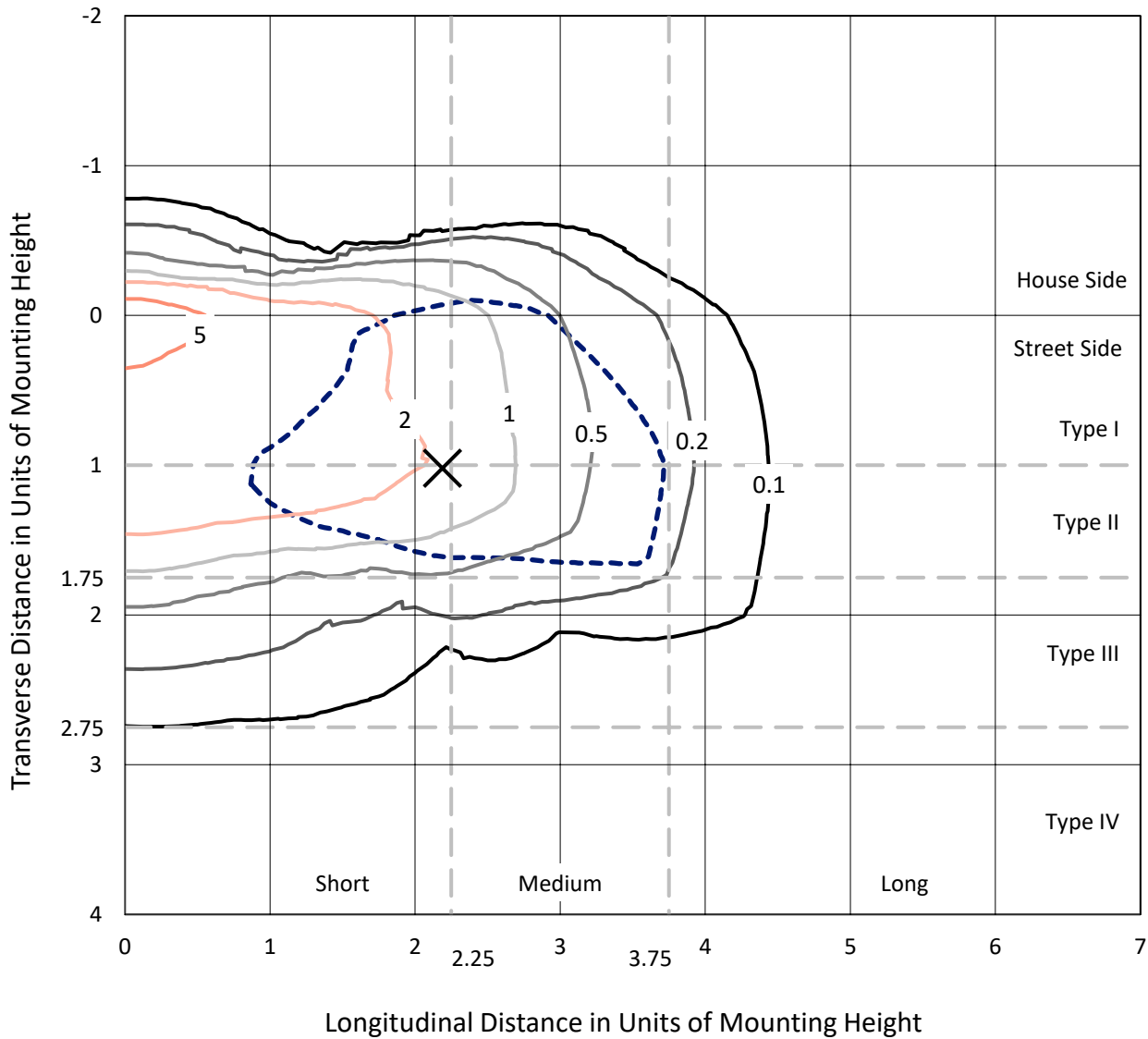
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

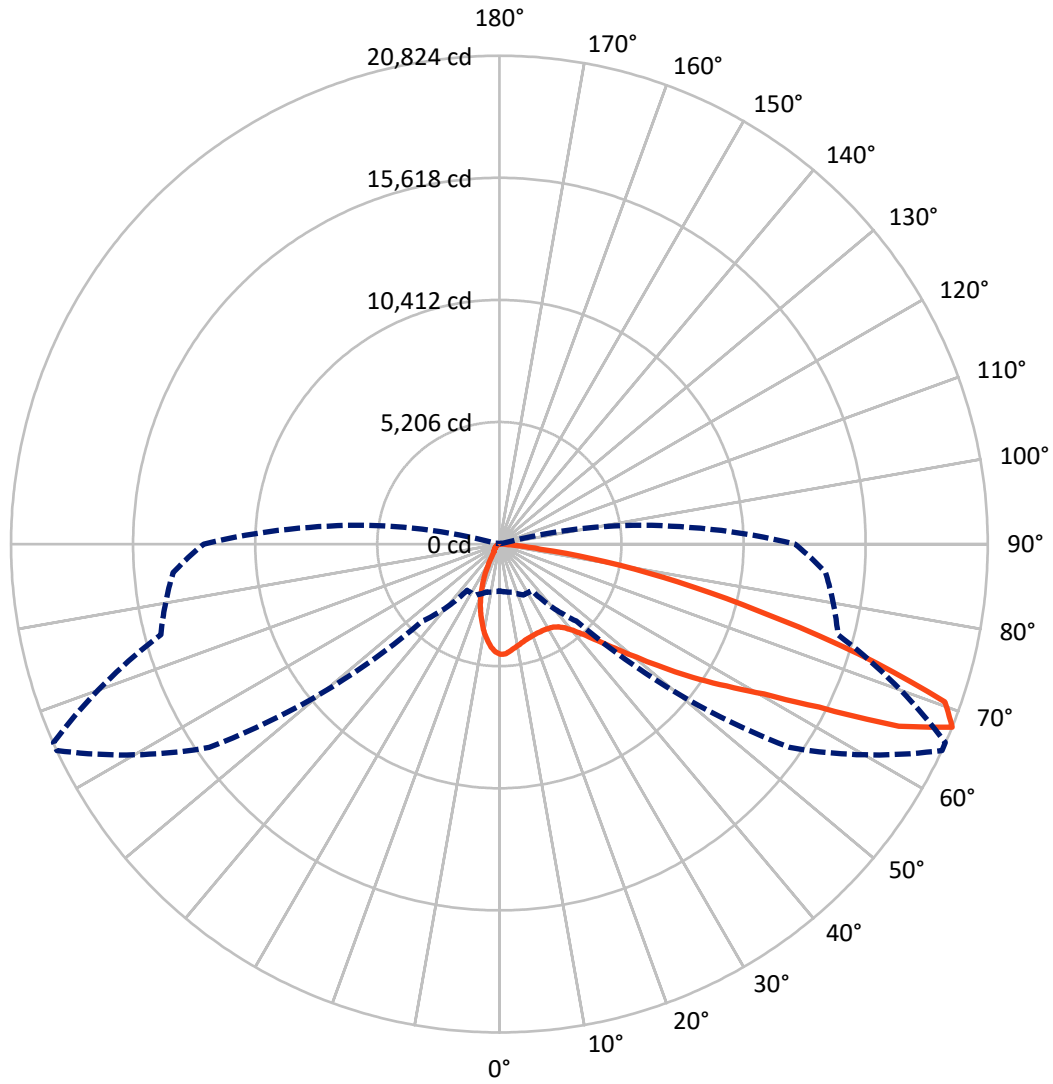
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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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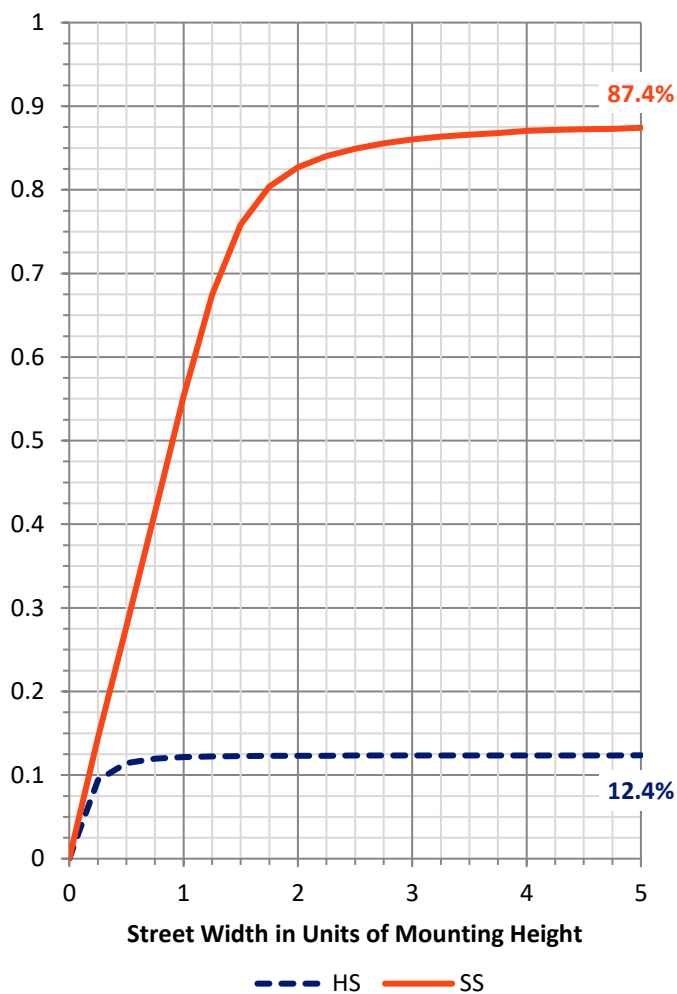
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2420.3	0.0	2420.3
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	16962.1	0.0	16962.1
	% Fixture	87.5	0.0	87.5
Total	Lumens	19382.4	0.0	19382.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.4	2.0
10°-20°	877.7	4.5
20°-30°	1254.1	6.5
30°-40°	1824.6	9.4
40°-50°	2857.6	14.7
50°-60°	4458.0	23.0
60°-70°	4896.9	25.3
70°-80°	2606.1	13.4
80°-90°	217.0	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°	19382.4	100.0
0°-180°	19382.4	100.0

Coefficient of Utilization



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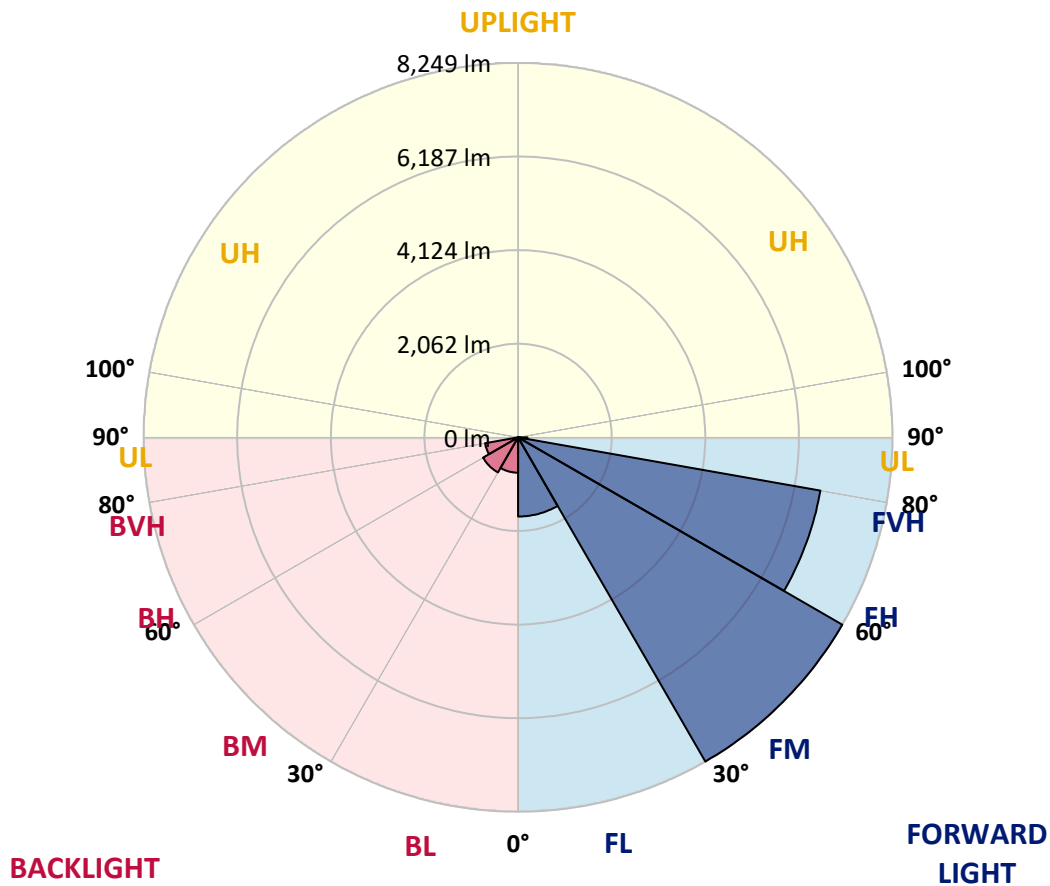
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1744.3	9.0			
FM (30°-60°)	8248.7	42.6			
FH (60°-80°)	6763.7	34.9			G3/7500
FVH (80°-90°)	205.4	1.1			G2/225
BL (0°-30°)	777.9	4.0	B2/1000		
BM (30°-60°)	891.5	4.6	B1/1000		
BH (60°-80°)	739.3	3.8	B2/1000		G2/1000
BVH (80°-90°)	11.6	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°	4700.8	4700.8	4700.8	4700.8	4700.8	4700.8	4700.8	4700.8	4700.8	4700.8	4700.8
2.5°	4537.8	4551.9	4532.6	4579.9	4588.7	4641.2	4671.0	4692.1	4690.3	4716.6	4716.6
5°	4271.4	4285.4	4274.9	4325.8	4366.1	4448.4	4516.8	4595.7	4599.2	4679.8	4709.6
7.5°	4045.3	4047.1	4047.1	4110.2	4162.8	4264.4	4366.1	4487.0	4501.0	4625.5	4704.3
10°	3859.5	3864.8	3866.5	3938.4	3996.2	4118.9	4248.6	4394.1	4409.9	4578.2	4700.8
12.5°	3731.6	3733.3	3740.3	3815.7	3878.8	4006.8	4138.2	4304.7	4325.8	4523.8	4685.1
15°	3670.2	3666.7	3670.2	3733.3	3796.4	3919.1	4054.1	4232.9	4255.6	4478.2	4686.8
17.5°	3666.7	3661.5	3658.0	3705.3	3745.6	3854.3	3991.0	4185.5	4210.1	4457.2	4706.1
20°	3717.6	3714.1	3696.5	3717.6	3726.3	3815.7	3950.7	4148.7	4173.3	4453.7	4748.2
22.5°	3850.8	3842.0	3815.7	3796.4	3749.1	3801.7	3922.6	4122.4	4150.5	4462.5	4802.5
25°	4048.8	4045.3	4012.0	3964.7	3843.8	3822.7	3924.4	4122.4	4148.7	4473.0	4860.3
27.5°	4346.8	4325.8	4283.7	4201.3	4027.8	3905.1	3959.4	4133.0	4159.2	4487.0	4907.7
30°	4650.0	4648.3	4634.2	4550.1	4292.5	4062.8	4033.0	4161.0	4185.5	4499.3	4951.5
32.5°	4963.8	4969.0	5004.1	4939.2	4657.0	4297.7	4166.3	4218.8	4236.4	4523.8	4990.0
35°	5261.7	5272.2	5365.1	5387.9	5100.5	4653.5	4383.6	4334.5	4336.3	4578.2	5040.9
37.5°	5547.4	5582.5	5731.5	5841.9	5652.6	5084.7	4697.3	4530.8	4516.8	4686.8	5118.0
40°	5871.7	5938.3	6125.8	6313.4	6253.8	5654.3	5125.0	4832.3	4802.5	4886.6	5256.5
42.5°	6231.0	6302.8	6551.7	6814.6	6842.7	6343.2	5659.6	5272.2	5221.4	5223.2	5515.9
45°	6616.6	6713.0	7002.2	7380.8	7550.8	7110.9	6318.6	5866.4	5815.6	5740.2	5933.0
47.5°	7123.1	7207.3	7485.9	7922.4	8248.4	7934.6	7182.7	6630.6	6537.7	6427.3	6581.5
50°	7559.6	7633.2	7873.3	8420.2	9098.5	8996.8	8162.5	7585.8	7496.5	7308.9	7436.9
52.5°	7656.0	7713.8	7934.6	8549.9	9748.7	10337.6	9363.1	8740.9	8677.8	8330.8	8379.8
55°	7223.0	7310.7	7508.7	8192.3	9918.7	11648.7	10921.3	10043.2	9911.7	9357.9	9445.5
57.5°	6129.3	6285.3	6471.1	7359.7	9457.8	12346.3	13098.2	11422.6	11303.4	10346.4	10348.2
60°	4492.3	4618.5	4742.9	5556.2	8364.1	12299.0	15073.5	12972.0	12754.7	11154.4	11124.6
62.5°	3267.1	3332.0	3330.2	3619.4	5743.7	11489.2	16111.2	15306.7	14800.1	12018.5	11848.5
65°	2569.5	2567.8	2643.1	2737.8	3207.5	8868.9	16239.1	18715.7	18168.9	13177.1	12823.0
67.5°	1999.9	2038.4	2113.8	2392.5	2410.0	4641.2	15113.9	20824.3	20813.8	14945.6	13964.1
70°	1542.4	1595.0	1701.9	2108.5	2226.0	2597.6	11308.7	20156.5	20326.5	15736.1	13156.0
72.5°	990.3	986.8	1144.5	1703.7	2138.3	2164.6	6253.8	16011.3	16204.1	14253.3	10637.4
75°	553.9	557.4	646.8	1042.9	1992.9	2036.7	3097.1	11417.3	11569.8	11112.4	8173.0
77.5°	217.3	224.4	303.2	548.6	1314.6	1819.3	1840.4	7785.7	7808.4	6886.5	5012.8
80°	87.6	92.9	154.2	340.0	801.0	1225.2	1314.6	4586.9	4494.0	2665.9	1458.3
82.5°	26.3	28.0	61.3	192.8	418.9	871.1	886.9	1759.7	1661.6	573.1	371.6
85°	1.8	1.8	14.0	59.6	149.0	219.1	590.7	573.1	508.3	143.7	164.8
87.5°	0.0	0.0	1.8	1.8	3.5	7.0	63.1	105.2	106.9	26.3	73.6
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°	4700.8	4700.8	4700.8	4700.8	4700.8	4700.8	4700.8	4700.8	4700.8	4700.8	4700.8
2.5°	4716.6	4653.5	4648.3	4599.2	4550.1	4488.8	4416.9	4364.3	4327.5	4262.7	4250.4
5°	4709.6	4625.5	4546.6	4406.4	4250.4	4082.1	3934.9	3798.2	3712.3	3654.5	3629.9
7.5°	4695.6	4588.7	4406.4	4141.7	3880.6	3586.1	3356.5	3146.2	3002.4	2918.3	2881.5
10°	4685.1	4541.3	4245.1	3843.8	3438.9	3032.2	2683.4	2371.5	2197.9	2061.2	2038.4
12.5°	4664.0	4473.0	4038.3	3495.0	2972.6	2432.8	1987.6	1605.5	1340.8	1221.7	1179.6
15°	4643.0	4401.1	3831.5	3126.9	2464.3	1798.3	1258.5	890.4	708.1	652.0	648.5
17.5°	4639.5	4336.3	3607.1	2778.1	1931.5	1177.8	716.9	576.7	538.1	524.1	524.1
20°	4650.0	4281.9	3386.3	2376.7	1407.4	716.9	534.6	499.5	476.7	464.5	464.5
22.5°	4660.5	4225.9	3174.2	1971.8	934.2	524.1	471.5	441.7	415.4	401.4	394.4
25°	4667.5	4164.5	2939.3	1565.2	610.0	455.7	413.6	375.1	343.5	326.0	326.0
27.5°	4665.8	4090.9	2702.7	1167.3	473.2	404.9	354.1	313.7	282.2	262.9	264.7
30°	4651.8	4010.3	2457.3	815.0	413.6	354.1	303.2	261.2	229.6	213.8	212.1
32.5°	4641.2	3924.4	2173.4	573.1	371.6	310.2	257.7	217.3	191.0	178.8	177.0
35°	4629.0	3840.2	1903.5	436.4	334.8	268.2	217.3	184.0	163.0	152.5	152.5
37.5°	4632.5	3752.6	1610.8	375.1	298.0	233.1	185.8	157.7	140.2	129.7	127.9
40°	4686.8	3700.0	1323.3	340.0	264.7	201.6	161.3	136.7	119.2	108.7	106.9
42.5°	4821.8	3701.8	1048.1	313.7	234.9	171.8	140.2	117.4	101.7	89.4	87.6
45°	5091.7	3775.4	804.5	285.7	203.3	149.0	120.9	99.9	84.1	73.6	71.9
47.5°	5533.4	3994.5	610.0	261.2	177.0	129.7	103.4	84.1	70.1	61.3	59.6
50°	6236.2	4390.6	480.3	231.4	149.0	112.2	87.6	70.1	57.8	49.1	47.3
52.5°	7081.1	4984.8	411.9	205.1	127.9	98.2	75.4	57.8	47.3	40.3	38.6
55°	8052.1	5694.6	380.3	178.8	108.7	84.1	61.3	47.3	38.6	33.3	29.8
57.5°	8942.5	6334.4	378.6	152.5	92.9	71.9	50.8	40.3	33.3	26.3	24.5
60°	9810.1	6869.0	355.8	126.2	80.6	59.6	43.8	33.3	28.0	22.8	21.0
62.5°	10597.1	7303.7	298.0	101.7	68.4	49.1	36.8	29.8	24.5	19.3	19.3
65°	11585.6	7857.5	227.9	82.4	56.1	40.3	31.5	26.3	22.8	17.5	17.5
67.5°	12607.4	8150.2	163.0	68.4	45.6	35.1	28.0	24.5	19.3	15.8	15.8
70°	11419.1	6886.5	117.4	56.1	38.6	29.8	24.5	22.8	19.3	15.8	14.0
72.5°	8917.9	4965.5	87.6	43.8	33.3	28.0	22.8	21.0	17.5	14.0	14.0
75°	6613.1	2895.5	66.6	35.1	26.3	22.8	22.8	21.0	17.5	14.0	12.3
77.5°	3594.9	1009.6	50.8	28.0	21.0	17.5	19.3	19.3	15.8	12.3	10.5
80°	951.7	276.9	35.1	21.0	17.5	14.0	14.0	17.5	14.0	10.5	10.5
82.5°	276.9	80.6	24.5	17.5	14.0	12.3	12.3	12.3	10.5	8.8	7.0
85°	135.0	29.8	17.5	14.0	12.3	10.5	8.8	8.8	7.0	5.3	5.3
87.5°	59.6	12.3	14.0	12.3	12.3	8.8	7.0	5.3	5.3	3.5	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)