

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: P641005

Luminaire Tested: GWS-SA5F-722-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641005
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5F-722-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24900.5 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

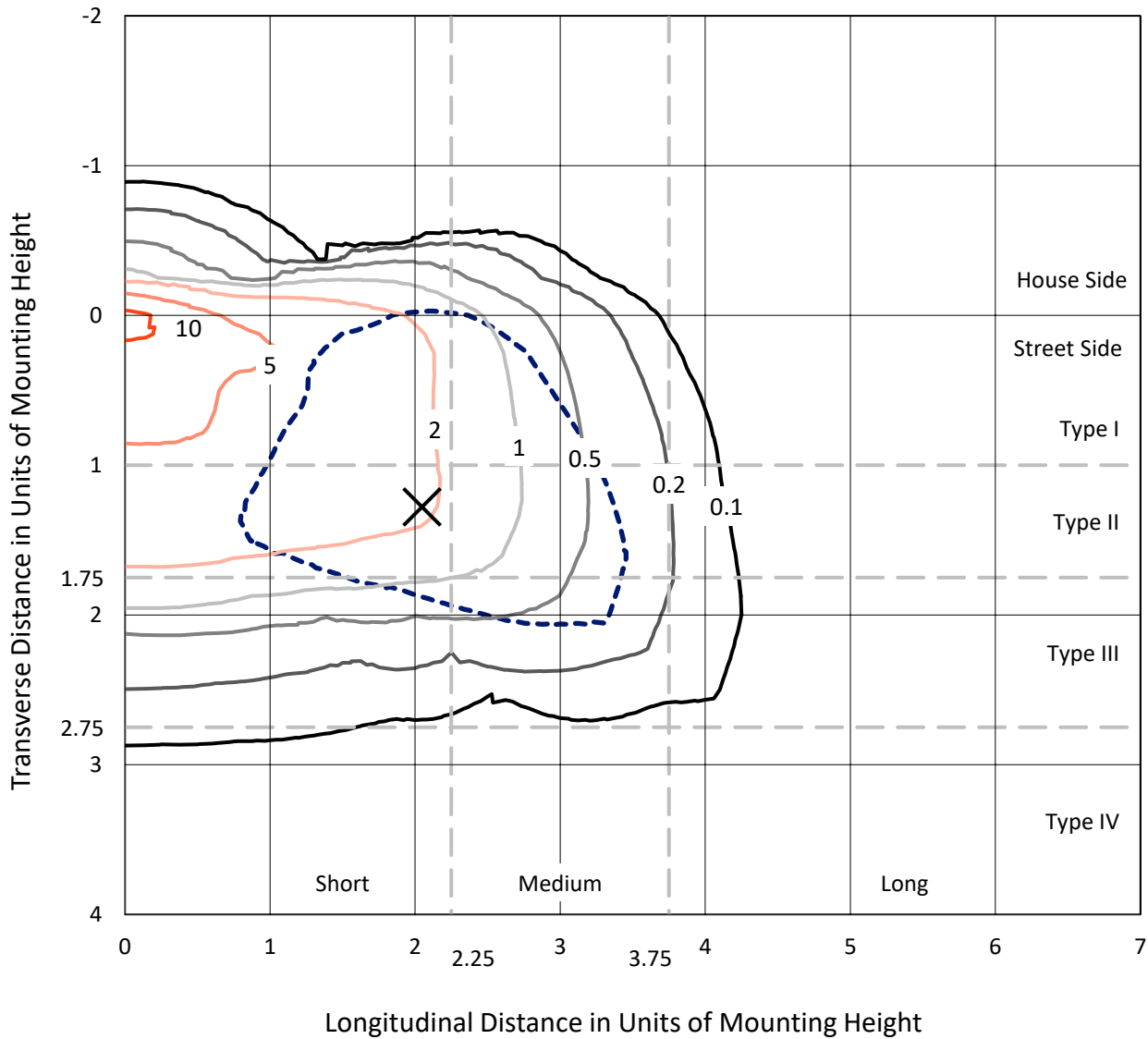
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

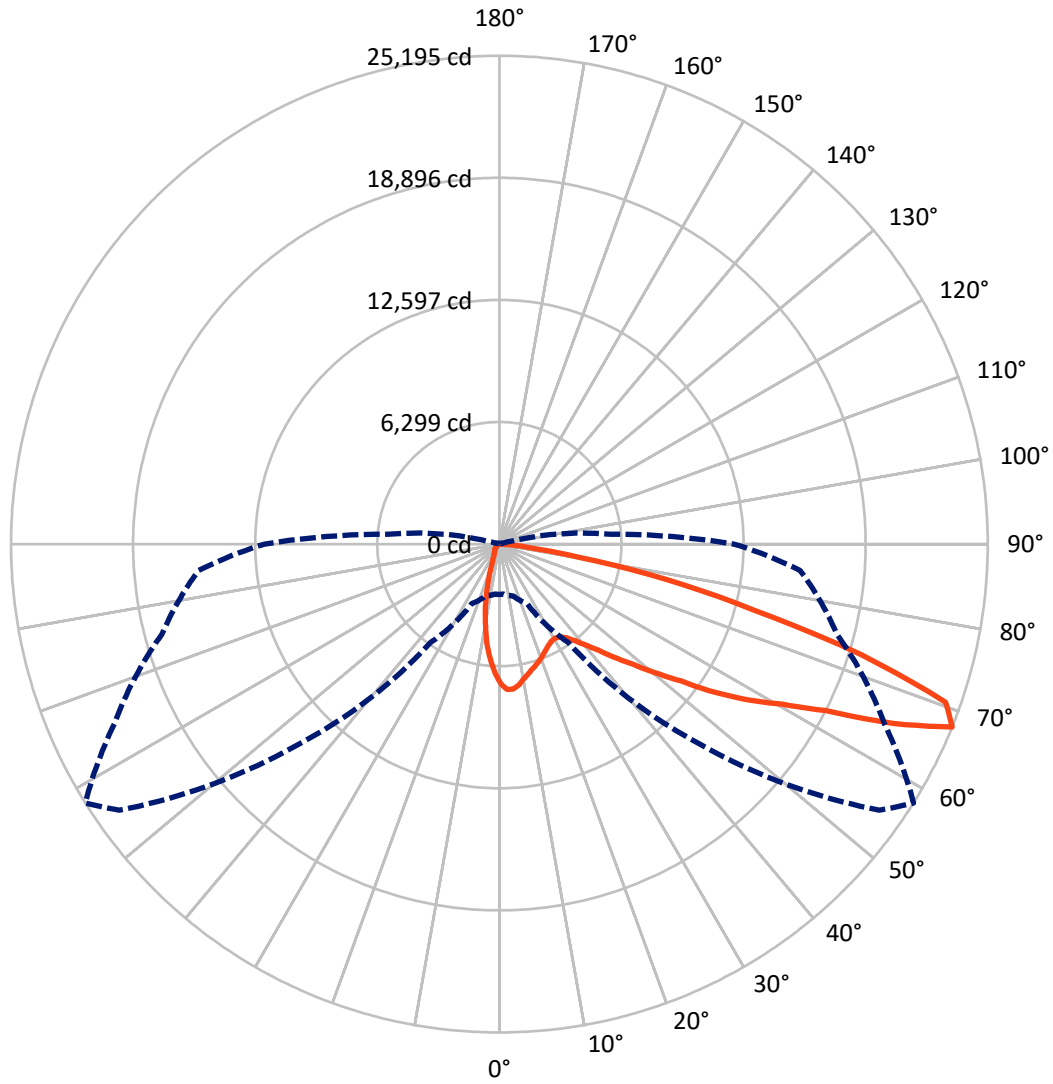
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2432.6	0.0	2432.6
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	22467.9	0.0	22467.9
	% Fixture	90.2	0.0	90.2
Total	Lumens	24900.5	0.0	24900.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	583.7	2.3
10°-20°	1214.9	4.9
20°-30°	1638.4	6.6
30°-40°	2302.3	9.2
40°-50°	3555.7	14.3
50°-60°	5686.1	22.8
60°-70°	6732.7	27.0
70°-80°	2978.4	12.0
80°-90°	208.2	0.8
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°	24900.5	100.0
0°-180°	24900.5	100.0

Coefficient of Utilization

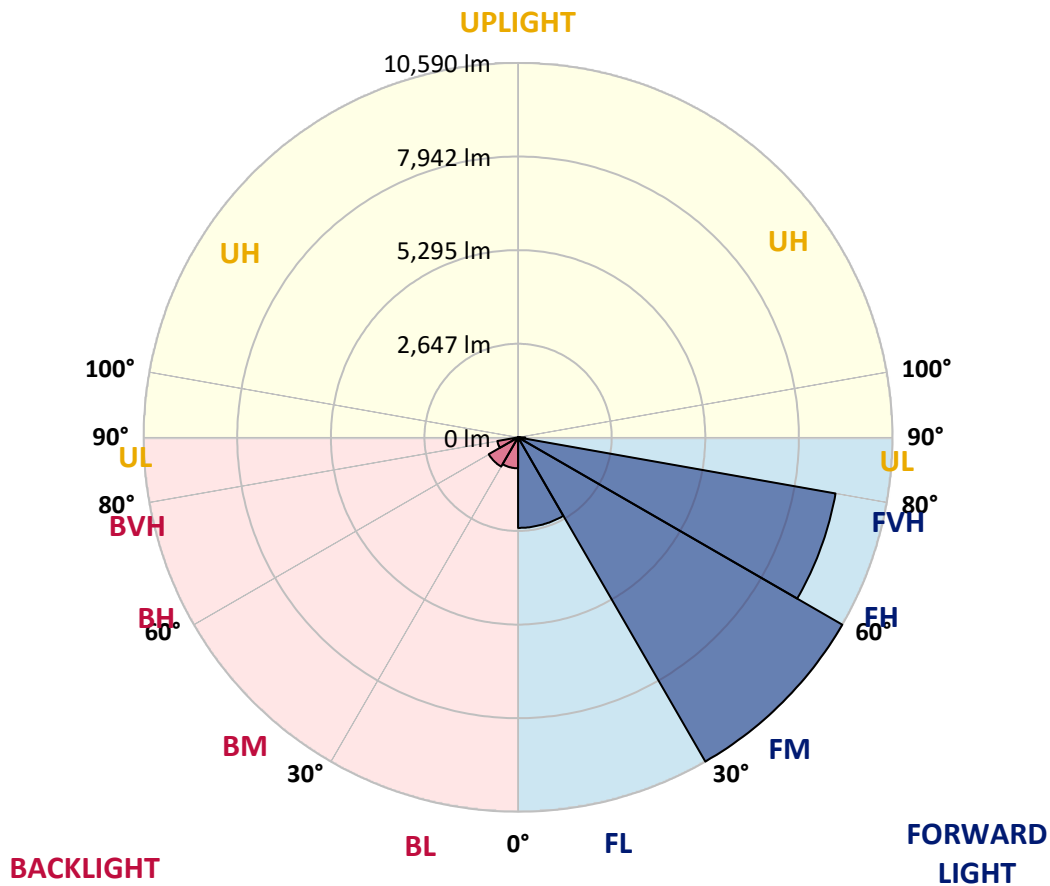


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2561.6	10.3			
FM (30°-60°)	10589.7	42.5			
FH (60°-80°)	9117.2	36.6			G4/12000
FVH (80°-90°)	199.3	0.8			G2/225
BL (0°-30°)	875.4	3.5	B2/1000		
BM (30°-60°)	954.5	3.8	B1/1000		
BH (60°-80°)	593.9	2.4	B2/1000		G2/1000
BVH (80°-90°)	8.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	7182.5	7182.5	7182.5	7182.5	7182.5	7182.5	7182.5	7182.5	7182.5	7182.5	7182.5
2.5°	7554.9	7568.2	7585.8	7607.8	7603.4	7583.6	7559.3	7504.2	7469.0	7358.8	7224.3
5°	7312.5	7310.3	7354.4	7396.3	7471.2	7510.9	7565.9	7515.3	7497.6	7365.4	7147.2
7.5°	6838.7	6862.9	6913.6	6979.7	7087.7	7204.5	7336.7	7321.3	7374.2	7286.1	7015.0
10°	6373.6	6360.4	6439.8	6538.9	6704.2	6854.1	7045.8	7043.6	7182.5	7173.7	6865.1
12.5°	5965.9	5963.7	6025.4	6137.8	6331.8	6541.1	6801.2	6807.8	6979.7	7050.2	6737.3
15°	5622.1	5626.5	5686.0	5802.8	6003.4	6259.0	6561.0	6616.1	6810.0	6953.3	6611.7
17.5°	5377.5	5379.7	5415.0	5516.3	5712.5	5985.8	6349.4	6424.3	6673.4	6880.5	6510.3
20°	5265.1	5256.3	5262.9	5313.6	5465.6	5714.7	6133.4	6230.4	6547.8	6829.9	6417.7
22.5°	5280.5	5267.3	5236.4	5229.8	5298.1	5487.7	5904.2	6023.2	6411.1	6799.0	6334.0
25°	5417.2	5388.5	5344.4	5278.3	5251.9	5346.6	5703.7	5827.1	6283.3	6801.2	6270.1
27.5°	5626.5	5595.7	5540.6	5452.4	5348.8	5309.2	5567.0	5683.8	6192.9	6851.9	6239.2
30°	5893.2	5869.0	5816.1	5710.3	5571.4	5408.3	5538.4	5635.3	6148.8	6955.5	6252.4
32.5°	6208.4	6190.7	6146.6	6049.7	5891.0	5642.0	5635.3	5710.3	6184.1	7105.3	6303.1
35°	6512.5	6519.1	6521.3	6468.4	6298.7	5996.8	5902.0	5928.5	6329.6	7330.1	6417.7
37.5°	6840.9	6825.4	6904.8	6942.2	6779.2	6457.4	6314.1	6316.3	6607.3	7662.9	6633.7
40°	7089.9	7094.3	7266.2	7420.5	7352.2	7041.4	6836.5	6834.3	7034.8	8119.1	6981.9
42.5°	7323.5	7352.2	7605.6	7870.1	7964.9	7689.4	7541.7	7486.6	7634.3	8736.2	7504.2
45°	7572.6	7614.4	7969.3	8346.1	8595.2	8432.1	8315.3	8337.3	8354.9	9454.7	8207.3
47.5°	7863.5	7889.9	8328.5	8859.6	9324.7	9282.8	9289.4	9262.9	9254.1	10360.5	9137.3
50°	8216.1	8277.8	8782.5	9417.2	10051.9	10329.6	10422.2	10433.2	10290.0	11347.8	10100.4
52.5°	8965.4	9040.4	9472.3	10027.7	10845.3	11429.4	11806.2	11731.3	11510.9	12304.3	11156.1
55°	9849.2	9906.5	10323.0	10898.2	11815.0	12634.9	13529.7	13498.8	12958.9	13311.5	12024.4
57.5°	9932.9	9996.8	10642.6	11524.1	13060.2	14124.7	15065.8	15165.0	14373.8	14025.5	12800.2
60°	8991.9	9121.9	10003.5	11189.1	13536.3	16128.1	16749.6	16769.4	15411.8	14750.6	13747.9
62.5°	7206.7	7268.4	8156.6	9703.7	12802.4	17296.1	19321.5	18902.8	16745.1	15872.4	15248.7
65°	3777.5	4028.7	4802.3	6514.7	10382.5	16888.4	22415.8	22301.1	19143.0	17479.0	16416.8
67.5°	2591.8	2589.6	2772.5	3396.2	6190.7	14541.3	23934.2	25194.9	21915.5	18030.0	15570.5
70°	1972.5	1979.1	2142.2	2547.7	3206.7	9679.5	22268.1	24423.5	22431.2	16370.5	12593.0
72.5°	1309.1	1322.3	1593.4	2058.4	2560.9	4745.0	17304.9	19541.9	18874.1	13148.4	8864.0
75°	782.4	793.4	987.3	1496.4	2276.6	2655.7	10995.2	13509.8	12991.9	9062.4	4751.6
77.5°	321.8	330.6	506.9	932.2	1666.1	2062.8	6080.5	8839.8	7781.9	3603.4	1298.1
80°	134.4	138.8	244.6	652.4	1201.1	1293.7	2816.6	4154.3	3189.0	775.8	396.7
82.5°	48.5	50.7	90.4	359.2	747.1	974.1	1421.5	1641.9	899.2	253.4	213.8
85°	2.2	2.2	22.0	121.2	284.3	275.5	813.2	786.8	297.5	105.8	127.8
87.5°	0.0	0.0	2.2	2.2	4.4	11.0	77.1	136.6	63.9	26.4	55.1
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°	7182.5	7182.5	7182.5	7182.5	7182.5	7182.5	7182.5	7182.5	7182.5	7182.5	7182.5
2.5°	7136.2	7019.4	6891.6	6772.5	6583.0	6470.6	6331.8	6270.1	6181.9	6159.9	6173.1
5°	6990.7	6790.2	6483.8	6206.2	5846.9	5558.2	5267.3	5143.9	4985.2	4879.4	4835.3
7.5°	6785.8	6523.5	6045.3	5540.6	5046.9	4520.2	4119.1	3854.6	3614.4	3482.1	3455.7
10°	6578.6	6237.0	5551.6	4828.7	4064.0	3433.7	2891.5	2490.4	2164.2	2016.6	1902.0
12.5°	6364.8	5939.5	5049.1	4105.8	3217.7	2358.2	1688.2	1298.1	1064.5	971.9	987.3
15°	6168.7	5653.0	4551.0	3383.0	2265.6	1423.7	932.2	786.8	731.7	714.1	711.9
17.5°	5981.4	5381.9	4055.2	2679.9	1494.2	872.7	714.1	678.8	663.4	654.6	654.6
20°	5811.7	5121.8	3570.3	2018.8	965.3	692.0	645.7	628.1	614.9	608.3	608.3
22.5°	5653.0	4870.6	3096.5	1428.1	711.9	621.5	592.8	575.2	559.8	551.0	551.0
25°	5509.7	4643.6	2644.7	982.9	612.7	568.6	537.7	517.9	491.5	476.0	476.0
27.5°	5406.1	4440.8	2210.5	716.3	553.2	511.3	476.0	449.6	420.9	403.3	398.9
30°	5344.4	4268.9	1771.9	588.4	498.1	456.2	416.5	383.5	350.4	332.8	330.6
32.5°	5309.2	4110.3	1370.8	513.5	451.8	403.3	359.2	324.0	290.9	271.1	268.9
35°	5322.4	3986.8	1027.0	462.8	407.7	357.0	308.5	273.3	244.6	227.0	222.6
37.5°	5437.0	3931.7	771.4	423.1	370.3	317.4	266.7	233.6	207.2	193.9	191.7
40°	5659.6	3942.8	606.1	392.3	339.4	277.7	229.2	198.3	178.5	167.5	165.3
42.5°	6005.6	4035.3	500.3	365.8	306.3	242.4	198.3	174.1	154.3	143.3	141.0
45°	6521.3	4227.1	436.4	335.0	271.1	209.4	171.9	149.9	132.2	119.0	116.8
47.5°	7268.4	4559.8	394.5	306.3	240.2	180.7	147.7	125.6	110.2	99.2	97.0
50°	8064.0	4958.7	359.2	277.7	213.8	156.5	125.6	103.6	90.4	79.3	77.1
52.5°	8912.5	5388.5	332.8	251.2	189.5	134.4	105.8	86.0	72.7	61.7	59.5
55°	9728.0	5820.5	301.9	233.6	160.9	114.6	88.2	70.5	57.3	48.5	48.5
57.5°	10521.4	6217.2	268.9	205.0	132.2	97.0	72.7	57.3	46.3	39.7	37.5
60°	11469.0	6765.9	231.4	174.1	110.2	81.5	59.5	46.3	37.5	30.9	30.9
62.5°	12877.3	7336.7	198.3	145.5	92.6	68.3	48.5	37.5	30.9	26.4	24.2
65°	13337.9	7028.2	167.5	119.0	74.9	55.1	39.7	33.1	26.4	24.2	22.0
67.5°	12108.2	5761.0	138.8	97.0	61.7	46.3	35.3	28.7	24.2	22.0	19.8
70°	9448.1	4088.2	108.0	72.7	50.7	37.5	30.9	26.4	22.0	19.8	19.8
72.5°	6426.5	2417.7	86.0	55.1	41.9	33.1	26.4	24.2	22.0	19.8	17.6
75°	3164.8	859.5	66.1	41.9	33.1	28.7	24.2	22.0	19.8	17.6	17.6
77.5°	852.9	238.0	50.7	33.1	26.4	22.0	22.0	22.0	19.8	15.4	15.4
80°	288.7	99.2	37.5	24.2	22.0	17.6	15.4	19.8	17.6	15.4	13.2
82.5°	158.7	48.5	26.4	19.8	15.4	13.2	13.2	13.2	13.2	11.0	11.0
85°	101.4	26.4	17.6	15.4	15.4	11.0	8.8	8.8	6.6	6.6	6.6
87.5°	46.3	15.4	15.4	13.2	13.2	11.0	6.6	4.4	2.2	2.2	2.2
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)