

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: P637317

Luminaire Tested: GWS-SA4C-750-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-750-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19512.7 lumens
Efficiency: N/A
Efficacy: 151.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

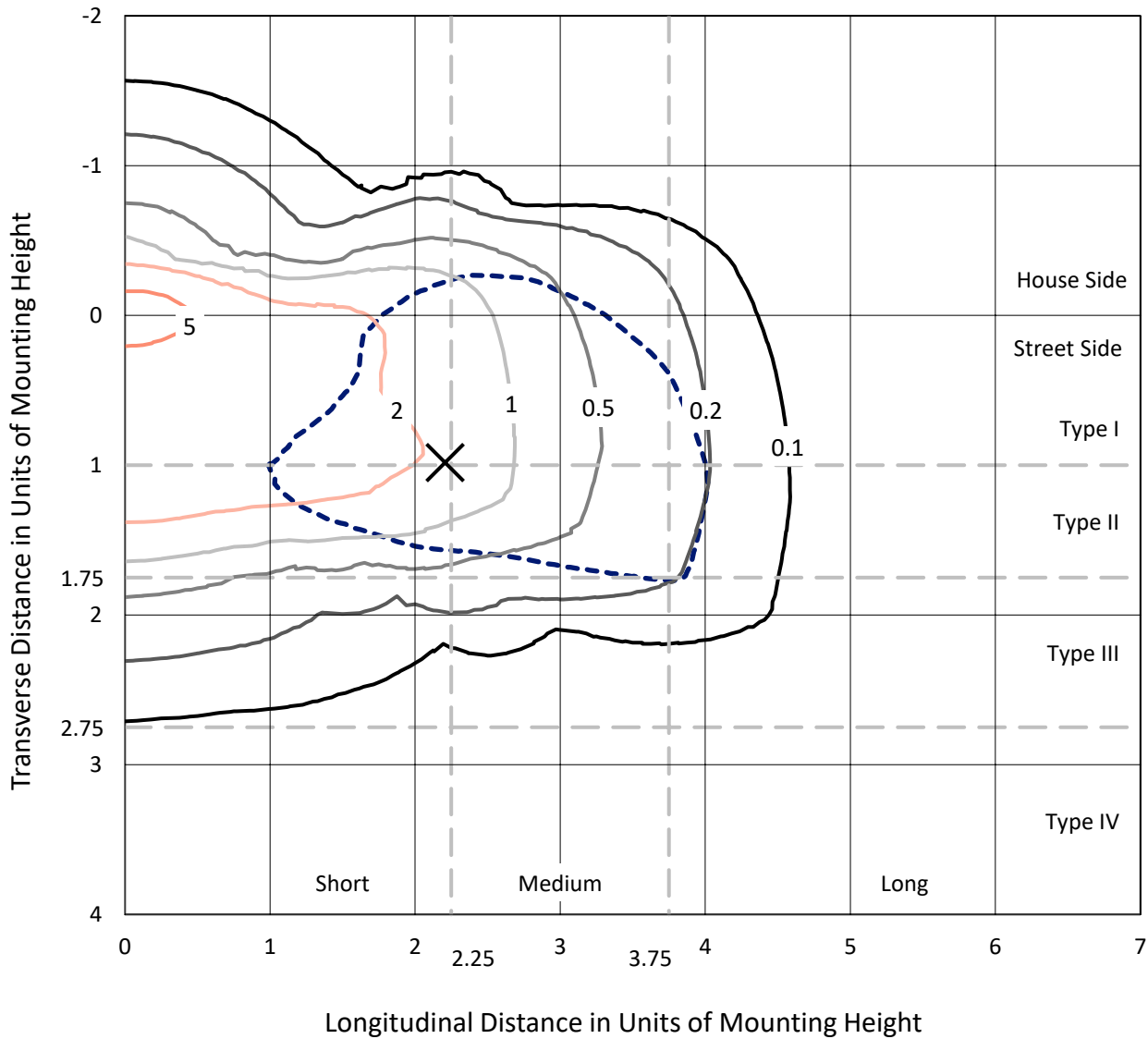
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

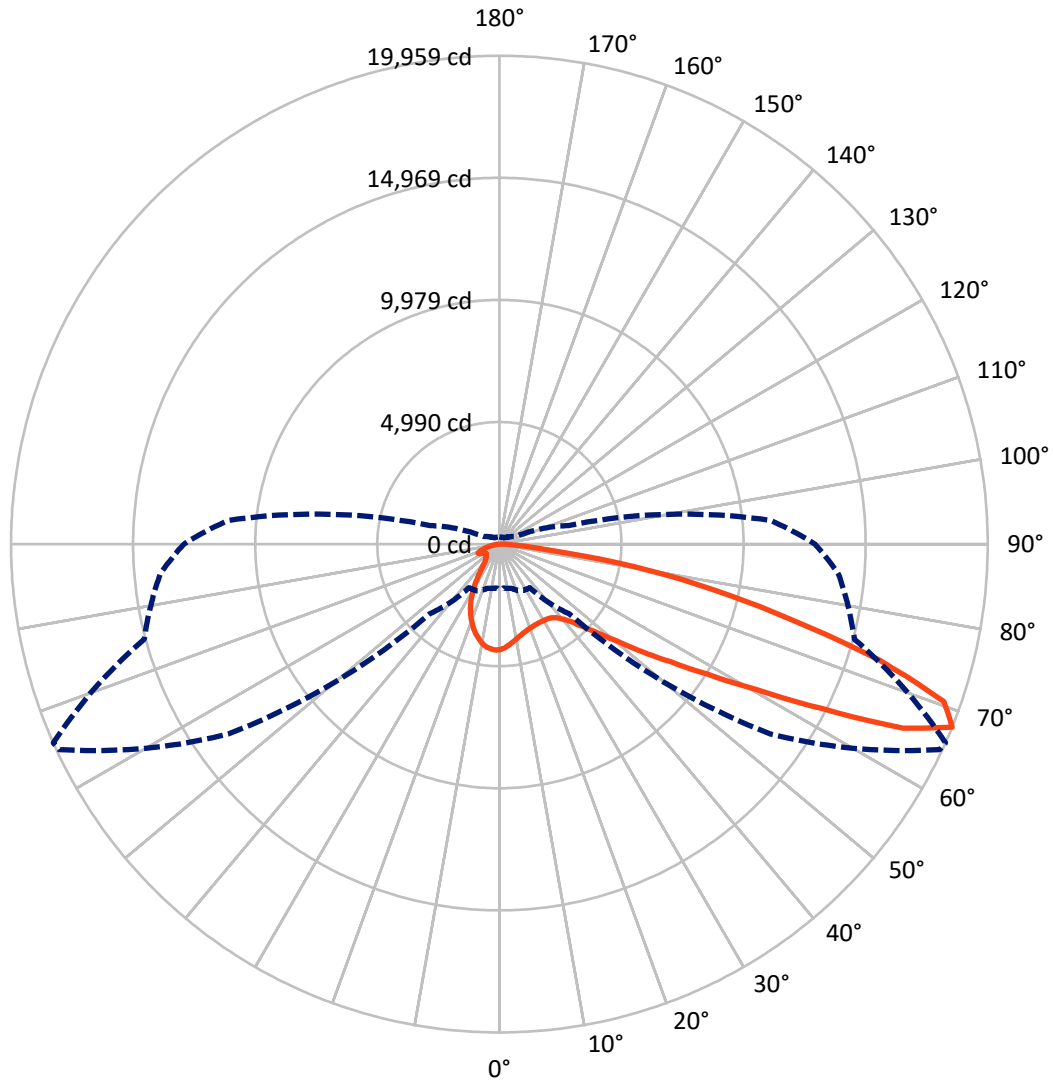
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3959.6	0.0	3959.6
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	15553.1	0.0	15553.1
	% Fixture	79.7	0.0	79.7
Total	Lumens	19512.7	0.0	19512.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.4	1.9
10°-20°	930.0	4.8
20°-30°	1278.3	6.6
30°-40°	1747.6	9.0
40°-50°	2648.1	13.6
50°-60°	4116.6	21.1
60°-70°	5011.9	25.7
70°-80°	3053.0	15.6
80°-90°	348.7	1.8
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°	19512.7	100.0
0°-180°	19512.7	100.0

Coefficient of Utilization



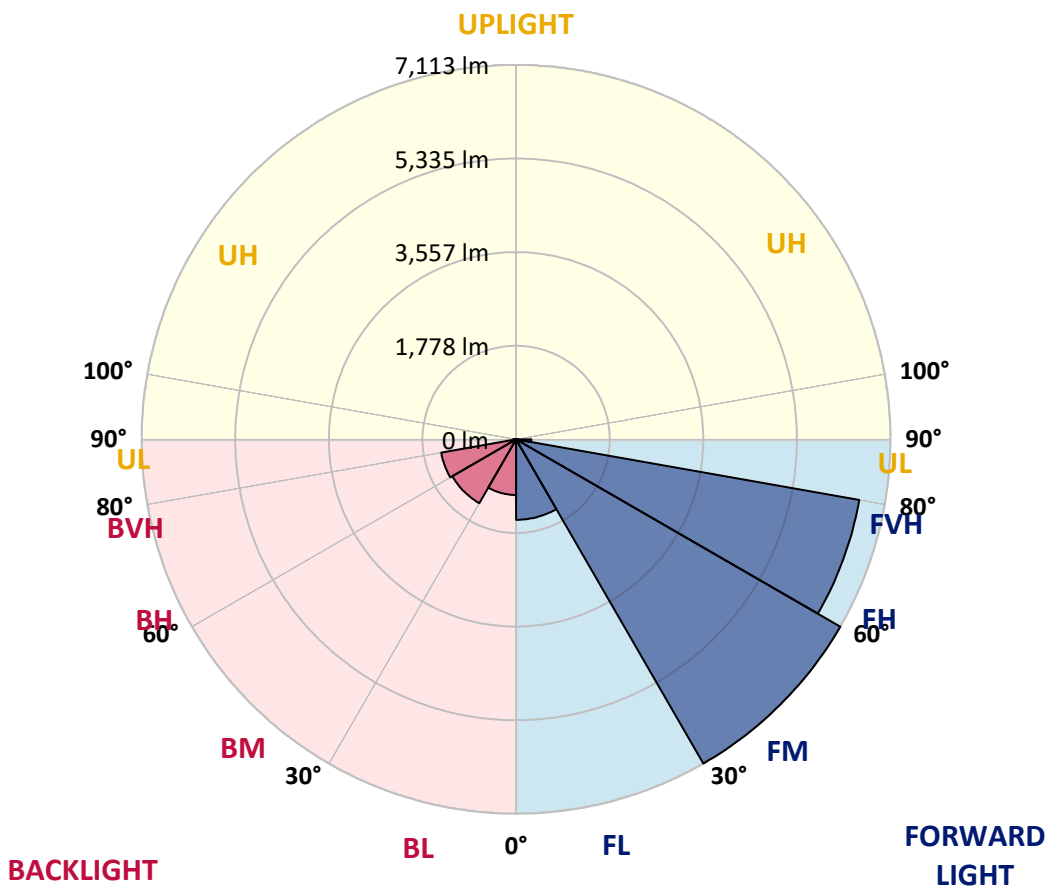
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1528.9	7.8			
FM (30°-60°)	7113.1	36.5			
FH (60°-80°)	6621.2	33.9			G3/7500
FVH (80°-90°)	289.9	1.5			G3/500
BL (0°-30°)	1057.8	5.4	B3/2500		
BM (30°-60°)	1399.3	7.2	B2/2500		
BH (60°-80°)	1443.7	7.4	B3/2500		G3/2500
BVH (80°-90°)	58.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4311.8	4311.8	4311.8	4311.8	4311.8	4311.8	4311.8	4311.8	4311.8	4311.8	4311.8
2.5°	4038.4	4052.7	4044.1	4098.2	4101.1	4169.4	4207.8	4240.6	4243.4	4286.1	4314.6
5°	3762.3	3770.8	3770.8	3822.1	3856.2	3947.3	4035.6	4129.5	4136.7	4239.2	4317.4
7.5°	3538.8	3547.3	3541.6	3610.0	3654.1	3755.2	3867.6	4011.4	4025.6	4190.8	4327.4
10°	3363.7	3360.9	3375.1	3437.7	3494.7	3615.7	3740.9	3904.6	3926.0	4135.2	4338.8
12.5°	3244.1	3247.0	3255.5	3321.0	3382.2	3501.8	3631.3	3809.3	3832.0	4071.2	4333.1
15°	3187.2	3181.5	3188.6	3248.4	3306.8	3412.1	3545.9	3729.5	3752.3	4014.2	4334.5
17.5°	3174.4	3170.1	3168.7	3211.4	3255.5	3353.7	3481.9	3668.3	3692.5	3977.2	4343.1
20°	3214.2	3208.5	3192.9	3211.4	3229.9	3312.5	3436.3	3624.2	3651.3	3953.0	4360.2
22.5°	3323.9	3313.9	3289.7	3266.9	3242.7	3292.5	3407.8	3591.5	3618.5	3937.4	4377.2
25°	3490.4	3481.9	3456.2	3405.0	3316.7	3308.2	3402.1	3577.2	3604.3	3926.0	4384.4
27.5°	3719.6	3706.8	3681.1	3607.1	3463.4	3366.6	3423.5	3575.8	3601.4	3913.2	4377.2
30°	3991.5	3982.9	3968.7	3879.0	3686.8	3490.4	3471.9	3587.2	3607.1	3906.1	4363.0
32.5°	4267.6	4259.1	4270.5	4227.8	3991.5	3695.4	3577.2	3618.5	3632.7	3904.6	4350.2
35°	4511.0	4521.0	4603.6	4610.7	4378.7	3973.0	3743.8	3691.1	3694.0	3933.1	4355.9
37.5°	4765.8	4804.3	4912.5	5005.0	4811.4	4340.2	3991.5	3827.8	3824.9	4005.7	4391.5
40°	5103.2	5120.3	5258.4	5432.0	5311.0	4844.1	4343.1	4051.3	4031.3	4153.7	4486.8
42.5°	5432.0	5473.3	5694.0	5893.3	5853.4	5412.1	4785.8	4385.8	4350.2	4415.7	4683.3
45°	5850.5	5890.4	6138.1	6394.3	6466.9	6054.1	5352.3	4861.2	4825.6	4810.0	5043.4
47.5°	6269.1	6310.3	6532.4	6902.5	7157.3	6857.0	6089.7	5489.0	5430.6	5369.4	5587.2
50°	6550.9	6599.3	6811.4	7255.5	7853.4	7859.1	6963.7	6311.8	6237.7	6140.9	6353.0
52.5°	6540.9	6572.3	6774.4	7286.8	8354.5	9010.7	8133.8	7359.4	7299.7	7089.0	7274.0
55°	6027.1	6074.0	6277.6	6918.2	8408.6	10102.5	9853.4	8595.0	8488.3	8111.0	8314.6
57.5°	4995.0	5034.9	5239.9	6029.9	7928.8	10661.9	12037.0	10169.4	10022.8	9224.2	9459.1
60°	3770.8	3722.4	3819.2	4511.0	6781.5	10676.2	13964.4	12304.7	12059.8	10414.3	10610.7
62.5°	2829.9	2781.5	2802.9	2997.9	4597.9	9813.5	15063.4	15225.7	14821.4	11758.0	11719.6
65°	2236.3	2209.3	2270.5	2404.3	2680.4	7473.3	15071.9	18384.4	18129.6	13315.3	12857.0
67.5°	1822.1	1805.0	1867.6	2115.3	2173.7	4015.7	13514.6	19859.1	19958.8	15020.7	13911.8
70°	1467.6	1442.0	1540.2	1866.2	2021.4	2429.9	9681.2	19107.5	19268.4	16037.0	13614.3
72.5°	1013.5	1014.9	1064.8	1511.7	1951.6	2098.2	5476.2	15910.4	16259.1	15116.0	11968.7
75°	683.3	689.0	703.2	997.9	1797.9	2035.6	2918.2	12045.6	12291.8	12494.0	9893.3
77.5°	412.8	415.7	448.4	603.6	1239.9	1900.4	1977.2	8731.7	8925.3	8236.3	6132.4
80°	239.1	249.1	279.0	404.3	837.0	1427.8	1530.3	5353.7	5573.0	3661.2	1948.8
82.5°	105.3	112.5	152.3	234.9	488.3	1214.2	1194.3	2115.3	2084.0	1020.6	676.2
85°	18.5	22.8	32.7	74.0	179.4	640.6	926.7	933.8	878.3	387.2	280.4
87.5°	0.0	0.0	0.0	0.0	0.0	4.3	139.5	250.5	249.1	109.6	96.8
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°	4311.8	4311.8	4311.8	4311.8	4311.8	4311.8	4311.8	4311.8	4311.8	4311.8	4311.8
2.5°	4333.1	4294.7	4328.8	4333.1	4326.0	4320.3	4277.6	4240.6	4236.3	4196.4	4196.4
5°	4348.8	4313.2	4330.3	4297.5	4246.3	4193.6	4102.5	4039.9	4011.4	3960.2	3960.2
7.5°	4370.1	4333.1	4313.2	4232.0	4112.5	3997.2	3850.5	3728.1	3678.3	3605.7	3602.9
10°	4390.0	4343.1	4274.7	4116.7	3926.0	3742.4	3528.8	3355.2	3237.0	3150.2	3150.2
12.5°	4388.6	4327.4	4192.2	3958.7	3695.4	3429.2	3144.5	2882.6	2726.0	2590.8	2582.2
15°	4385.8	4301.8	4086.8	3775.1	3426.3	3057.7	2670.5	2328.8	2096.8	1964.4	1953.0
17.5°	4382.9	4269.0	3968.7	3565.8	3098.9	2596.4	2085.4	1715.3	1521.7	1440.6	1443.4
20°	4382.9	4232.0	3842.0	3325.3	2721.7	2044.1	1530.3	1261.2	1212.8	1217.1	1221.4
22.5°	4370.1	4186.5	3701.1	3063.4	2301.8	1503.2	1128.8	1037.7	1063.3	1103.2	1108.9
25°	4340.2	4111.0	3537.4	2773.0	1802.1	1094.7	921.0	903.9	950.9	1000.7	1014.9
27.5°	4293.2	4024.2	3353.7	2432.7	1326.7	879.7	810.0	808.5	845.6	882.6	895.4
30°	4243.4	3927.4	3160.1	2054.1	960.9	765.8	738.8	738.8	757.3	780.1	777.2
32.5°	4185.1	3829.2	2952.3	1659.8	782.9	701.8	693.2	689.0	691.8	700.4	700.4
35°	4135.2	3742.4	2738.8	1242.7	701.8	666.2	657.7	647.7	643.4	637.7	640.6
37.5°	4116.7	3674.0	2518.2	936.7	661.9	640.6	626.3	612.1	602.1	599.3	597.9
40°	4146.6	3645.6	2297.5	771.5	633.5	613.5	597.9	579.4	570.8	570.8	570.8
42.5°	4263.4	3666.9	2072.6	697.5	613.5	590.7	568.0	550.9	548.0	550.9	552.3
45°	4476.9	3749.5	1839.1	660.5	596.4	568.0	540.9	528.1	528.1	531.0	531.0
47.5°	4858.4	3965.8	1608.5	637.7	579.4	549.5	521.0	508.2	506.8	509.6	509.6
50°	5518.9	4355.9	1400.7	622.1	566.5	535.2	506.8	489.7	485.4	484.0	484.0
52.5°	6351.6	5032.0	1268.3	610.7	550.9	519.6	491.1	468.3	459.8	455.5	455.5
55°	7358.0	5933.1	1268.3	602.1	531.0	501.1	468.3	445.6	432.7	427.0	427.0
57.5°	8498.2	6982.2	1487.5	595.0	515.3	479.7	444.1	421.4	407.1	398.6	398.6
60°	9658.4	8091.1	2029.9	585.1	501.1	452.7	417.1	395.7	377.2	367.3	365.8
62.5°	10861.2	9312.5	2744.5	590.7	491.1	427.0	388.6	364.4	348.8	338.8	337.4
65°	11963.0	10475.5	3369.4	634.9	492.5	404.3	355.9	334.5	321.7	308.9	307.5
67.5°	12898.2	11117.5	2931.0	724.6	522.4	377.2	323.1	301.8	290.4	281.9	280.4
70°	12243.4	10138.1	1662.6	780.1	563.7	348.8	286.1	271.9	260.5	254.8	253.4
72.5°	10469.8	8583.6	1111.7	689.0	513.9	311.7	252.0	240.6	232.0	224.9	223.5
75°	8481.2	6807.1	849.8	565.1	400.0	253.4	216.4	207.8	199.3	192.2	190.7
77.5°	5017.8	3933.1	626.3	447.0	281.9	197.9	179.4	172.2	163.7	158.0	156.6
80°	1601.4	1366.6	397.2	307.5	186.5	152.3	138.1	132.4	123.8	116.7	115.3
82.5°	610.7	528.1	210.7	156.6	123.8	103.9	92.5	86.8	81.1	74.0	72.6
85°	270.5	253.4	116.7	84.0	66.9	51.2	45.6	42.7	35.6	29.9	28.5
87.5°	95.4	95.4	49.8	24.2	14.2	7.1	4.3	1.4	0.0	0.0	0.0
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)