

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: P637376

Luminaire Tested: GWS-SA4C-760-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637376
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-760-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19189.1 lumens
Efficiency: N/A
Efficacy: 149.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
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

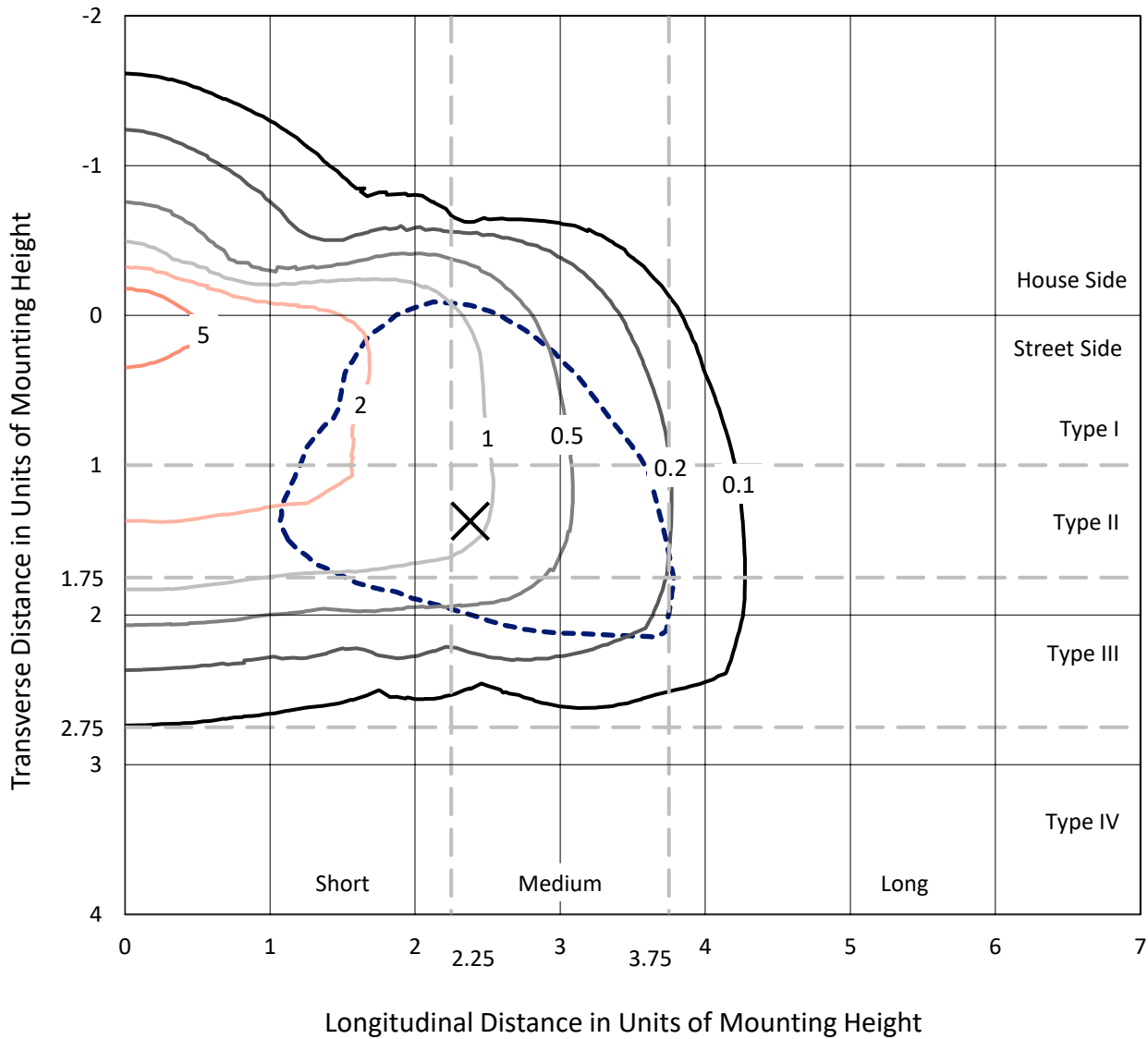


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Iso-Footcandle Lines of Horizontal Illumination

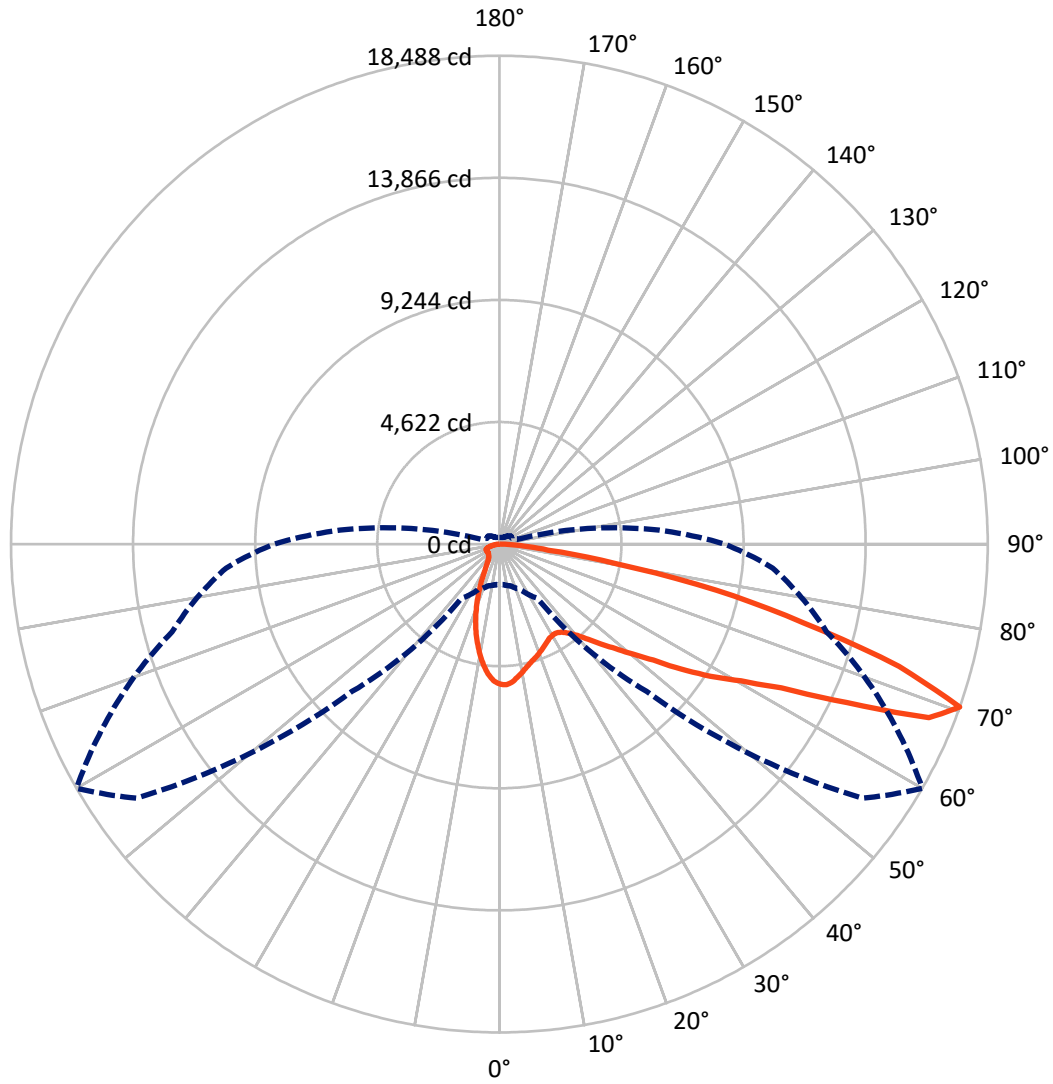
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3281.8	0.0	3281.8
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	15907.3	0.0	15907.3
	% Fixture	82.9	0.0	82.9
Total	Lumens	19189.1	0.0	19189.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.7	2.4
10°-20°	1025.4	5.3
20°-30°	1313.2	6.8
30°-40°	1725.8	9.0
40°-50°	2503.9	13.0
50°-60°	3906.6	20.4
60°-70°	5114.5	26.7
70°-80°	2828.2	14.7
80°-90°	313.9	1.6
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°	19189.1	100.0
0°-180°	19189.1	100.0

Coefficient of Utilization



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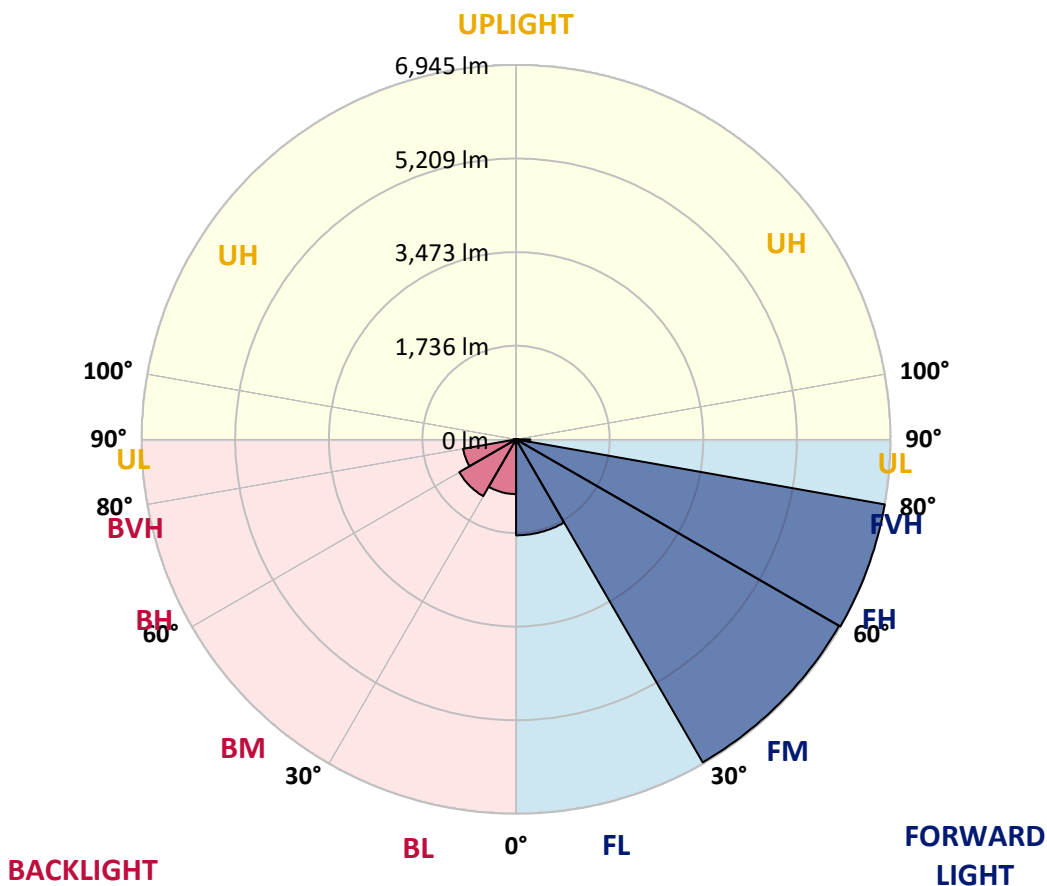
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1780.9	9.3			
FM (30°-60°)	6919.5	36.1			
FH (60°-80°)	6945.4	36.2			G3/7500
FVH (80°-90°)	261.5	1.4			G3/500
BL (0°-30°)	1015.3	5.3	B3/2500		
BM (30°-60°)	1216.8	6.3	B2/2500		
BH (60°-80°)	997.3	5.2	B2/1000		G2/1000
BVH (80°-90°)	52.3	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	5309.9	5309.9	5309.9	5309.9	5309.9	5309.9	5309.9	5309.9	5309.9	5309.9	5309.9
2.5°	5235.5	5241.1	5256.5	5279.0	5301.4	5312.7	5340.8	5332.3	5326.7	5315.5	5301.4
5°	5003.8	5015.0	5029.1	5072.6	5121.7	5161.0	5224.2	5231.2	5234.1	5239.7	5217.2
7.5°	4709.0	4711.8	4745.5	4803.0	4867.6	4935.0	5040.3	5069.8	5095.1	5123.1	5104.9
10°	4383.2	4390.3	4415.5	4498.4	4609.3	4709.0	4850.8	4899.9	4953.3	5015.0	4989.8
12.5°	4116.5	4117.9	4158.6	4247.1	4367.8	4502.6	4679.5	4738.5	4808.6	4905.5	4883.1
15°	3904.5	3904.5	3942.4	4018.2	4157.2	4315.9	4526.4	4602.3	4697.7	4828.3	4789.0
17.5°	3736.0	3737.4	3761.3	3841.3	3964.9	4140.4	4390.3	4492.8	4598.1	4770.7	4711.8
20°	3647.6	3640.5	3644.7	3693.9	3799.2	3969.1	4254.1	4373.4	4515.2	4731.4	4641.6
22.5°	3643.3	3630.7	3612.5	3616.7	3678.4	3818.8	4108.1	4252.7	4431.0	4699.1	4570.0
25°	3714.9	3700.9	3668.6	3632.1	3626.5	3710.7	3970.5	4134.7	4343.9	4685.1	4501.2
27.5°	3835.7	3825.9	3783.7	3729.0	3671.4	3668.6	3866.6	4037.9	4280.8	4699.1	4452.0
30°	3995.7	3978.9	3952.2	3882.0	3795.0	3705.1	3825.9	3985.9	4238.6	4744.1	4431.0
32.5°	4176.9	4167.0	4141.8	4071.6	3978.9	3835.7	3858.2	3997.1	4238.6	4822.7	4435.2
35°	4369.2	4367.8	4367.8	4321.5	4219.0	4040.7	3985.9	4092.6	4303.2	4949.0	4480.1
37.5°	4555.9	4554.5	4599.5	4616.3	4499.8	4307.4	4203.5	4283.6	4445.0	5135.8	4591.0
40°	4707.6	4713.2	4811.5	4895.7	4831.1	4652.8	4506.8	4547.5	4675.3	5401.1	4784.8
42.5°	4860.6	4876.0	5023.5	5172.3	5197.6	5043.1	4895.7	4919.6	5005.2	5752.1	5074.0
45°	5027.7	5034.7	5241.1	5448.9	5571.0	5479.8	5359.0	5391.3	5411.0	6186.0	5505.0
47.5°	5189.1	5207.4	5474.1	5759.1	5990.8	5982.4	5915.0	5905.2	5909.4	6713.9	6014.7
50°	5409.6	5436.2	5749.3	6093.3	6433.1	6588.9	6608.6	6534.1	6503.3	7300.7	6649.3
52.5°	5827.9	5827.9	6108.7	6447.1	6903.4	7289.5	7421.5	7299.3	7201.0	7921.3	7323.2
55°	6351.6	6374.1	6597.3	6871.1	7449.5	8026.6	8473.1	8338.3	8060.3	8596.6	8029.4
57.5°	6584.7	6612.8	6966.6	7392.0	8164.2	8864.8	9483.9	9436.2	9030.4	9298.6	8762.3
60°	6163.5	6222.5	6709.6	7422.9	8811.4	10216.8	10653.4	10514.4	9934.6	10035.7	9556.9
62.5°	5141.4	5206.0	5746.5	6741.9	8721.6	11678.3	12496.9	11984.4	11063.4	10966.5	10615.5
65°	3067.7	3064.9	3714.9	5034.7	7613.8	12084.1	15414.4	14458.2	12807.2	12244.2	11705.0
67.5°	1950.1	1945.9	2082.1	2667.6	5067.0	11090.1	17290.1	17538.6	15175.7	13183.4	11794.9
70°	1538.8	1537.4	1635.6	1902.4	2506.1	7891.8	16767.8	18487.7	16606.3	12825.4	10385.3
72.5°	1121.8	1124.6	1276.2	1593.5	1933.3	3962.0	13577.9	15818.7	15274.0	11321.7	8430.9
75°	805.9	810.1	901.4	1220.1	1783.1	2166.3	9029.0	11894.6	11620.8	9075.4	5799.9
77.5°	512.5	518.1	598.1	855.0	1440.5	1749.4	5474.1	8397.2	7731.7	5113.3	2062.5
80°	313.1	331.3	398.7	637.4	1151.3	1312.7	2736.4	4424.0	3872.2	1402.6	693.6
82.5°	161.5	175.5	240.1	394.5	793.3	1152.7	1548.6	1858.9	1199.0	586.9	369.2
85°	50.5	59.0	84.2	160.1	377.7	714.6	1024.9	923.8	550.4	276.6	171.3
87.5°	12.6	12.6	14.0	14.0	15.4	32.3	198.0	209.2	146.0	87.0	70.2
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°	5309.9	5309.9	5309.9	5309.9	5309.9	5309.9	5309.9	5309.9	5309.9	5309.9	5309.9
2.5°	5273.4	5239.7	5225.6	5224.2	5189.1	5138.6	5104.9	5081.0	5067.0	5064.2	5064.2
5°	5179.3	5135.8	5078.2	5034.7	4940.6	4845.2	4765.1	4720.2	4668.3	4661.2	4659.8
7.5°	5054.3	4991.2	4881.7	4759.5	4595.2	4436.6	4301.8	4210.6	4119.3	4102.4	4096.8
10°	4919.6	4833.9	4647.2	4432.4	4186.7	3949.4	3743.0	3581.6	3474.9	3399.0	3385.0
12.5°	4786.2	4672.5	4398.7	4078.6	3741.6	3417.3	3107.0	2843.1	2652.1	2541.2	2521.6
15°	4661.2	4502.6	4127.7	3719.2	3281.1	2837.5	2398.0	2055.4	1787.3	1691.8	1669.3
17.5°	4547.5	4349.5	3865.2	3347.1	2801.0	2221.1	1721.3	1416.6	1259.4	1211.6	1200.4
20°	4433.8	4192.3	3598.4	2955.4	2291.3	1641.3	1258.0	1114.8	1055.8	1037.5	1031.9
22.5°	4311.6	4019.6	3307.8	2569.3	1776.0	1228.5	1029.1	965.9	947.7	949.1	947.7
25°	4189.5	3844.1	3003.1	2149.5	1322.6	996.8	898.6	874.7	878.9	891.5	894.3
27.5°	4088.4	3688.3	2704.1	1689.0	1033.3	857.8	811.5	810.1	825.5	842.4	845.2
30°	4015.4	3549.3	2409.2	1298.7	850.8	762.4	744.1	752.5	770.8	783.4	787.6
32.5°	3963.5	3429.9	2094.7	1020.7	745.5	695.0	686.5	695.0	706.2	718.8	721.6
35°	3945.2	3342.9	1785.9	832.6	673.9	645.8	640.2	644.4	650.0	657.1	659.9
37.5°	3985.9	3299.4	1463.0	724.5	630.4	613.5	605.1	602.3	603.7	606.5	607.9
40°	4106.7	3319.0	1199.0	661.3	602.3	586.9	572.8	567.2	565.8	568.6	567.2
42.5°	4314.4	3401.9	1008.1	624.8	579.8	557.4	541.9	536.3	536.3	543.3	543.3
45°	4619.1	3564.7	870.5	598.1	560.2	532.1	515.3	512.5	518.1	529.3	530.7
47.5°	5065.6	3803.4	787.6	578.4	541.9	509.6	492.8	491.4	502.6	520.9	522.3
50°	5594.9	4147.4	742.7	564.4	529.3	491.4	474.5	476.0	488.6	508.2	512.5
52.5°	6232.3	4616.3	745.5	558.8	522.3	480.2	463.3	460.5	473.1	492.8	497.0
55°	6890.8	5186.3	800.3	560.2	512.5	474.5	452.1	442.3	453.5	467.5	468.9
57.5°	7615.2	5829.3	936.5	557.4	499.8	468.9	442.3	419.8	426.8	435.2	439.4
60°	8432.3	6586.1	1229.9	563.0	494.2	456.3	422.6	393.1	391.7	397.3	398.7
62.5°	9524.6	7615.2	1559.8	572.8	506.8	440.9	393.1	362.2	356.6	359.4	360.8
65°	10360.0	8106.6	1455.9	564.4	533.5	429.6	365.0	332.7	321.5	318.7	318.7
67.5°	10020.2	7456.6	1013.7	541.9	546.2	431.0	342.6	301.9	287.8	280.8	279.4
70°	8526.4	6056.8	704.8	519.5	532.1	428.2	318.7	276.6	258.3	248.5	247.1
72.5°	6736.3	4624.7	570.0	474.5	483.0	386.1	283.6	248.5	233.1	220.4	220.4
75°	4335.5	2822.0	476.0	422.6	394.5	300.5	245.7	221.8	206.4	193.7	193.7
77.5°	1458.7	1047.4	369.2	358.0	294.8	226.0	206.4	190.9	178.3	167.1	165.7
80°	592.5	497.0	271.0	271.0	206.4	172.7	161.5	154.4	146.0	132.0	132.0
82.5°	344.0	301.9	189.5	164.3	137.6	119.3	112.3	105.3	105.3	95.5	95.5
85°	165.7	167.1	113.7	101.1	78.6	68.8	66.0	61.8	60.4	54.8	53.4
87.5°	89.9	91.3	57.6	44.9	30.9	26.7	22.5	21.1	19.7	18.3	18.3
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)