

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: P639796

Luminaire Tested: GWS-SA5C-750-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639796
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-SA5C-750-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23866.6 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 157.5
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

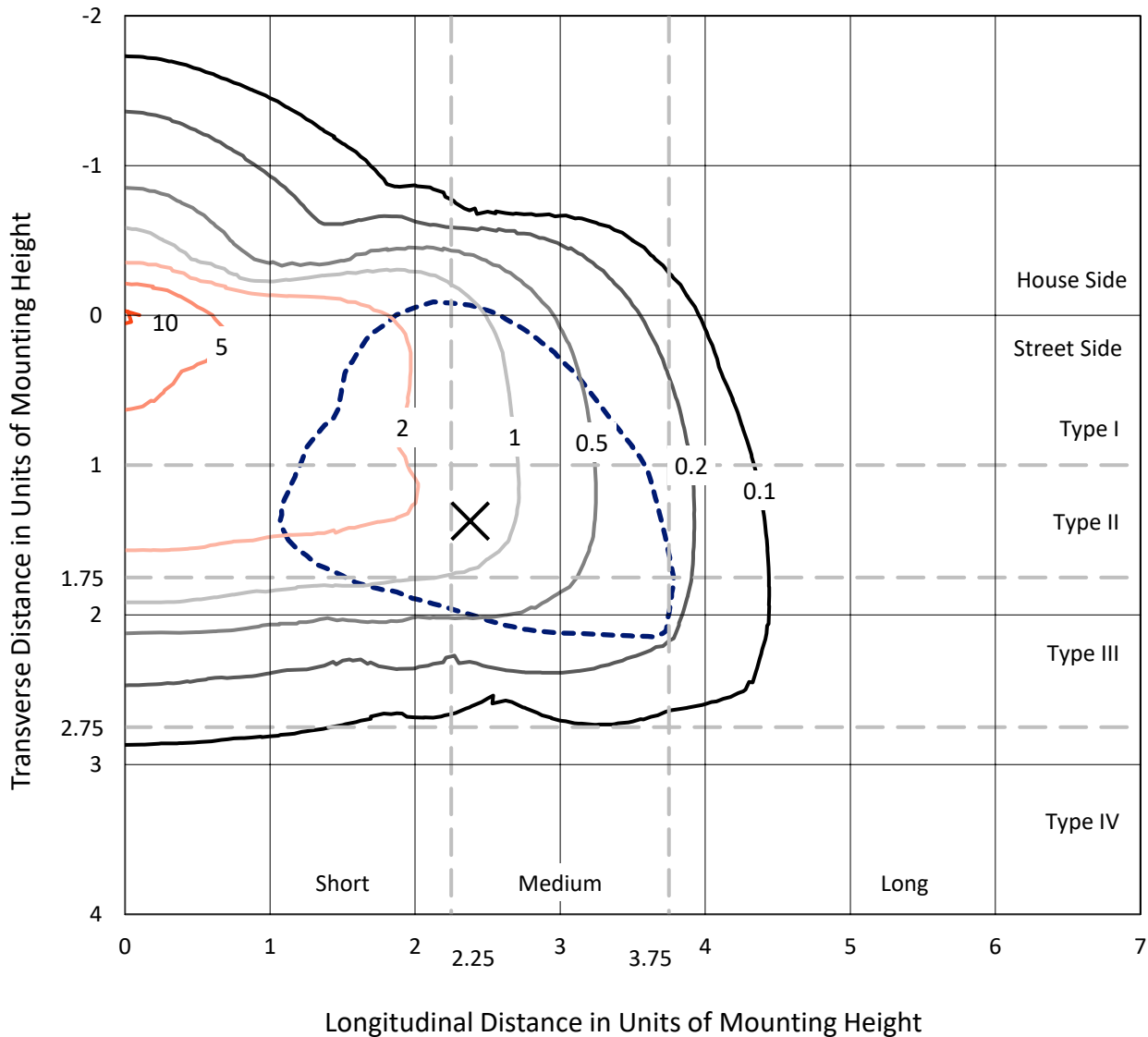


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Iso-Footcandle Lines of Horizontal Illumination

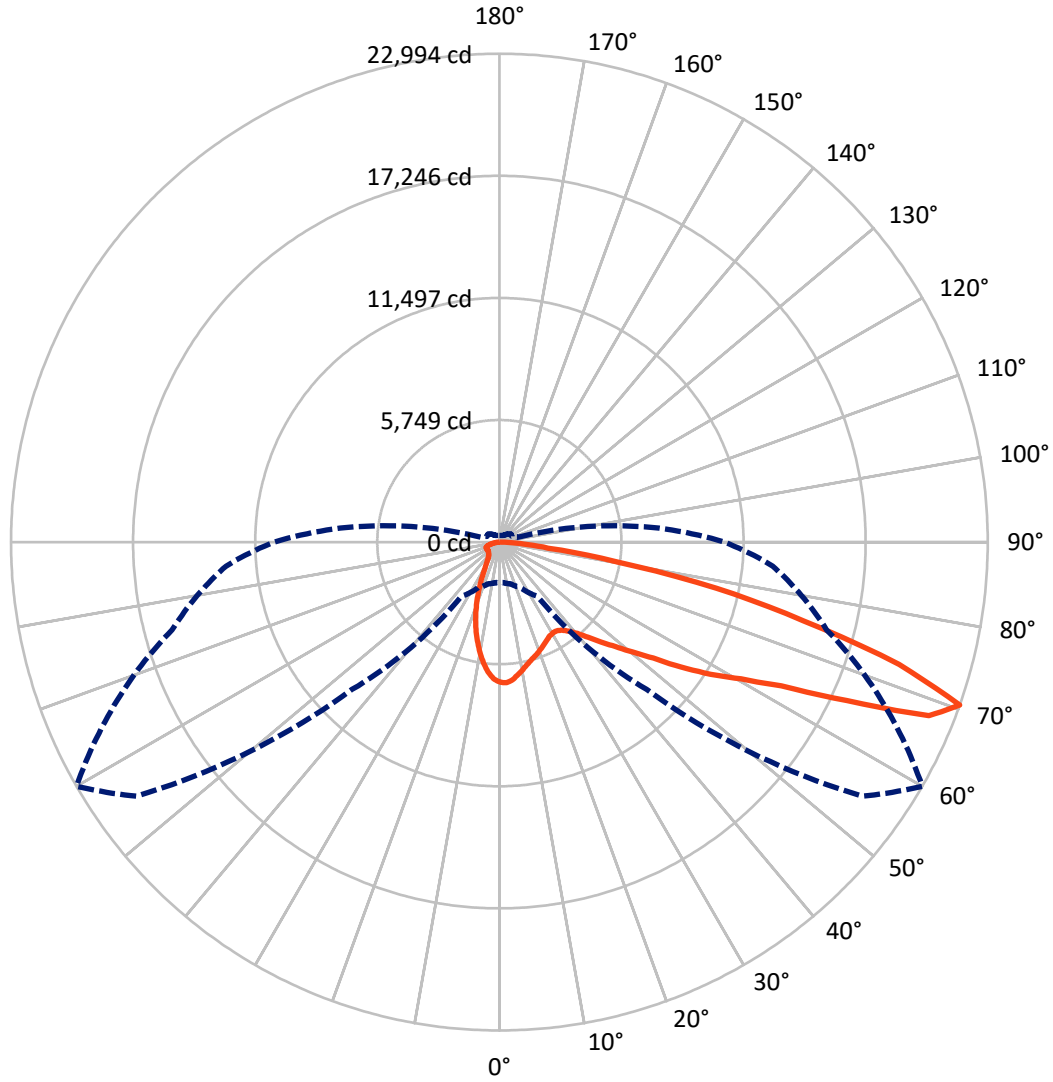
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 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	4081.7	0.0	4081.7
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	19784.9	0.0	19784.9
	% Fixture	82.9	0.0	82.9
Total	Lumens	23866.6	0.0	23866.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	569.3	2.4
10°-20°	1275.3	5.3
20°-30°	1633.3	6.8
30°-40°	2146.5	9.0
40°-50°	3114.2	13.0
50°-60°	4858.9	20.4
60°-70°	6361.3	26.7
70°-80°	3517.6	14.7
80°-90°	390.4	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°	23866.6	100.0
0°-180°	23866.6	100.0

Coefficient of Utilization



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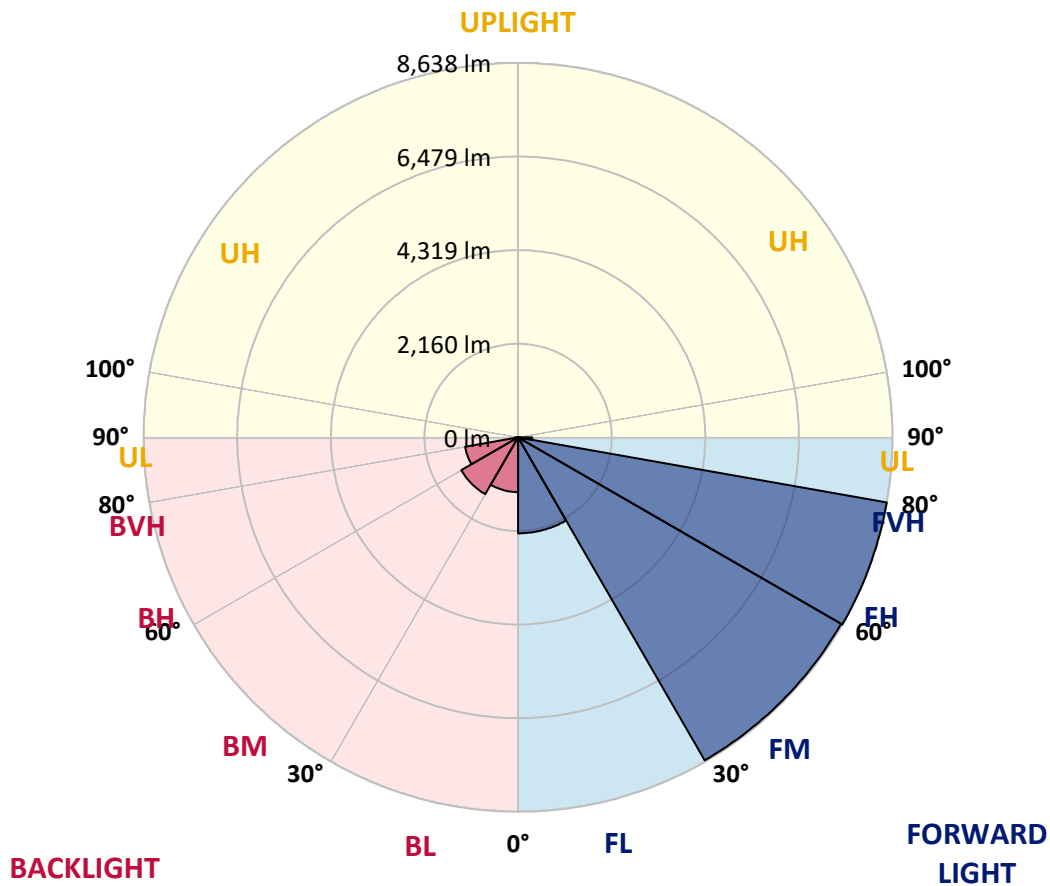
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2215.0	9.3			
FM (30°-60°)	8606.2	36.1			
FH (60°-80°)	8638.4	36.2			G4/12000
FVH (80°-90°)	325.3	1.4			G3/500
BL (0°-30°)	1262.8	5.3	B3/2500		
BM (30°-60°)	1513.4	6.3	B2/2500		
BH (60°-80°)	1240.4	5.2	B3/2500		G3/2500
BVH (80°-90°)	65.1	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-G4

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	6604.2	6604.2	6604.2	6604.2	6604.2	6604.2	6604.2	6604.2	6604.2	6604.2	6604.2
2.5°	6511.6	6518.6	6537.8	6565.8	6593.7	6607.7	6642.6	6632.1	6625.2	6611.2	6593.7
5°	6223.5	6237.5	6255.0	6309.1	6370.2	6419.1	6497.7	6506.4	6509.9	6516.9	6488.9
7.5°	5856.8	5860.3	5902.2	5973.8	6054.1	6138.0	6268.9	6305.6	6337.0	6372.0	6349.2
10°	5451.7	5460.4	5491.9	5594.9	5732.8	5856.8	6033.2	6094.3	6160.7	6237.5	6206.1
12.5°	5119.9	5121.7	5172.3	5282.3	5432.5	5600.1	5820.1	5893.5	5980.8	6101.3	6073.3
15°	4856.2	4856.2	4903.4	4997.7	5170.6	5367.9	5629.8	5724.1	5842.8	6005.2	5956.4
17.5°	4646.7	4648.4	4678.1	4777.7	4931.3	5149.6	5460.4	5587.9	5718.9	5933.6	5860.3
20°	4536.7	4527.9	4533.2	4594.3	4725.3	4936.6	5291.0	5439.5	5615.8	5884.8	5773.0
22.5°	4531.4	4515.7	4493.0	4498.3	4575.1	4749.7	5109.4	5289.3	5511.1	5844.6	5683.9
25°	4620.5	4603.0	4562.9	4517.5	4510.5	4615.3	4938.3	5142.6	5402.8	5827.1	5598.4
27.5°	4770.7	4758.4	4706.1	4638.0	4566.4	4562.9	4809.1	5022.1	5324.2	5844.6	5537.3
30°	4969.7	4948.8	4915.6	4828.3	4720.0	4608.3	4758.4	4957.5	5271.8	5900.5	5511.1
32.5°	5195.0	5182.8	5151.3	5064.0	4948.8	4770.7	4798.6	4971.5	5271.8	5998.3	5516.3
35°	5434.2	5432.5	5432.5	5374.9	5247.4	5025.6	4957.5	5090.2	5352.2	6155.4	5572.2
37.5°	5666.5	5664.7	5720.6	5741.6	5596.6	5357.4	5228.2	5327.7	5528.5	6387.7	5710.1
40°	5855.1	5862.1	5984.3	6089.1	6008.7	5787.0	5605.4	5656.0	5814.9	6717.7	5951.1
42.5°	6045.4	6064.6	6248.0	6433.1	6464.5	6272.4	6089.1	6118.7	6225.3	7154.3	6310.8
45°	6253.2	6261.9	6518.6	6777.1	6929.0	6815.5	6665.3	6705.5	6729.9	7693.8	6846.9
47.5°	6454.0	6476.7	6808.5	7163.0	7451.1	7440.6	7356.8	7344.6	7349.8	8350.4	7480.8
50°	6728.2	6761.4	7150.8	7578.6	8001.2	8195.0	8219.4	8126.9	8088.5	9080.3	8270.1
52.5°	7248.6	7248.6	7597.8	8018.6	8586.2	9066.4	9230.5	9078.6	8956.4	9852.2	9108.3
55°	7899.9	7927.8	8205.5	8546.0	9265.4	9983.1	10538.4	10370.8	10025.0	10692.1	9986.6
57.5°	8189.8	8224.7	8664.7	9193.8	10154.3	11025.6	11795.7	11736.3	11231.7	11565.2	10898.1
60°	7665.9	7739.2	8345.2	9232.3	10959.3	12707.2	13250.3	13077.4	12356.2	12482.0	11886.5
62.5°	6394.7	6475.0	7147.3	8385.3	10847.5	14525.0	15543.1	14905.7	13760.2	13639.7	13203.2
65°	3815.5	3812.0	4620.5	6261.9	9469.7	15029.7	19171.7	17982.6	15929.0	15228.8	14558.2
67.5°	2425.5	2420.3	2589.6	3317.8	6302.1	13793.4	21504.7	21813.8	18874.9	16397.0	14670.0
70°	1913.9	1912.1	2034.3	2366.1	3117.0	9815.5	20855.1	22994.2	20654.3	15951.7	12916.8
72.5°	1395.2	1398.7	1587.3	1982.0	2404.5	4927.8	16887.7	19674.6	18997.1	14081.5	10486.0
75°	1002.3	1007.6	1121.1	1517.5	2217.7	2694.4	11229.9	14794.0	14453.4	11287.6	7213.6
77.5°	637.4	644.4	743.9	1063.4	1791.6	2175.8	6808.5	10444.1	9616.4	6359.7	2565.2
80°	389.4	412.1	495.9	792.8	1431.9	1632.7	3403.4	5502.3	4816.1	1744.5	862.6
82.5°	200.8	218.3	298.6	490.7	986.6	1433.6	1926.1	2312.0	1491.3	729.9	459.3
85°	62.9	73.3	104.8	199.1	469.7	888.8	1274.7	1149.0	684.5	344.0	213.0
87.5°	15.7	15.7	17.5	17.5	19.2	40.2	246.2	260.2	181.6	108.3	87.3
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°	6604.2	6604.2	6604.2	6604.2	6604.2	6604.2	6604.2	6604.2	6604.2	6604.2	6604.2
2.5°	6558.8	6516.9	6499.4	6497.7	6454.0	6391.2	6349.2	6319.6	6302.1	6298.6	6298.6
5°	6441.8	6387.7	6316.1	6261.9	6144.9	6026.2	5926.7	5870.8	5806.2	5797.4	5795.7
7.5°	6286.4	6207.8	6071.6	5919.7	5715.4	5518.0	5350.4	5236.9	5123.4	5102.4	5095.5
10°	6118.7	6012.2	5780.0	5512.8	5207.2	4912.1	4655.4	4454.6	4321.9	4227.6	4210.1
12.5°	5952.9	5811.4	5470.9	5072.8	4653.7	4250.3	3864.4	3536.1	3298.6	3160.7	3136.2
15°	5797.4	5600.1	5133.9	4625.7	4080.9	3529.1	2982.5	2556.5	2222.9	2104.2	2076.3
17.5°	5656.0	5409.8	4807.3	4163.0	3483.7	2762.5	2140.9	1761.9	1566.4	1507.0	1493.0
20°	5514.6	5214.2	4475.6	3675.8	2849.8	2041.3	1564.6	1386.5	1313.2	1290.5	1283.5
22.5°	5362.6	4999.4	4114.1	3195.6	2209.0	1527.9	1280.0	1201.4	1178.7	1180.4	1178.7
25°	5210.7	4781.1	3735.2	2673.5	1644.9	1239.8	1117.6	1087.9	1093.1	1108.8	1112.3
27.5°	5085.0	4587.3	3363.2	2100.7	1285.2	1066.9	1009.3	1007.6	1026.8	1047.7	1051.2
30°	4994.2	4414.4	2996.5	1615.3	1058.2	948.2	925.5	936.0	958.7	974.4	979.6
32.5°	4929.6	4266.0	2605.4	1269.5	927.2	864.4	853.9	864.4	878.3	894.1	897.6
35°	4906.9	4157.7	2221.2	1035.5	838.2	803.3	796.3	801.5	808.5	817.2	820.7
37.5°	4957.5	4103.6	1819.6	901.0	784.1	763.1	752.6	749.1	750.9	754.4	756.1
40°	5107.7	4128.1	1491.3	822.5	749.1	729.9	712.5	705.5	703.7	707.2	705.5
42.5°	5366.1	4231.1	1253.8	777.1	721.2	693.2	674.0	667.1	667.1	675.8	675.8
45°	5745.1	4433.6	1082.7	743.9	696.7	661.8	640.9	637.4	644.4	658.3	660.1
47.5°	6300.4	4730.5	979.6	719.4	674.0	633.9	612.9	611.2	625.1	647.8	649.6
50°	6958.7	5158.3	923.7	702.0	658.3	611.2	590.2	592.0	607.7	632.1	637.4
52.5°	7751.5	5741.6	927.2	695.0	649.6	597.2	576.3	572.8	588.5	612.9	618.2
55°	8570.4	6450.5	995.3	696.7	637.4	590.2	562.3	550.1	564.0	581.5	583.2
57.5°	9471.5	7250.3	1164.7	693.2	621.7	583.2	550.1	522.1	530.9	541.3	546.6
60°	10487.8	8191.5	1529.7	700.2	614.7	567.5	525.6	488.9	487.2	494.2	495.9
62.5°	11846.3	9471.5	1940.0	712.5	630.4	548.3	488.9	450.5	443.5	447.0	448.8
65°	12885.3	10082.7	1810.8	702.0	663.6	534.3	454.0	413.9	399.9	396.4	396.4
67.5°	12462.8	9274.2	1260.8	674.0	679.3	536.1	426.1	375.4	358.0	349.2	347.5
70°	10604.8	7533.2	876.6	646.1	661.8	532.6	396.4	344.0	321.3	309.1	307.3
72.5°	8378.4	5752.0	709.0	590.2	600.7	480.2	352.7	309.1	289.9	274.2	274.2
75°	5392.3	3509.9	592.0	525.6	490.7	373.7	305.6	275.9	256.7	241.0	241.0
77.5°	1814.3	1302.7	459.3	445.3	366.7	281.1	256.7	237.5	221.8	207.8	206.1
80°	736.9	618.2	337.0	337.0	256.7	214.8	200.8	192.1	181.6	164.1	164.1
82.5°	427.8	375.4	235.7	204.3	171.1	148.4	139.7	131.0	131.0	118.7	118.7
85°	206.1	207.8	141.4	125.7	97.8	85.6	82.1	76.8	75.1	68.1	66.4
87.5°	111.8	113.5	71.6	55.9	38.4	33.2	27.9	26.2	24.4	22.7	22.7
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)