

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: P639792

Luminaire Tested: GWS-SA5C-750-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639792
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-SA5C-750-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23936.5 lumens
Efficiency: N/A
Efficacy: 152.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

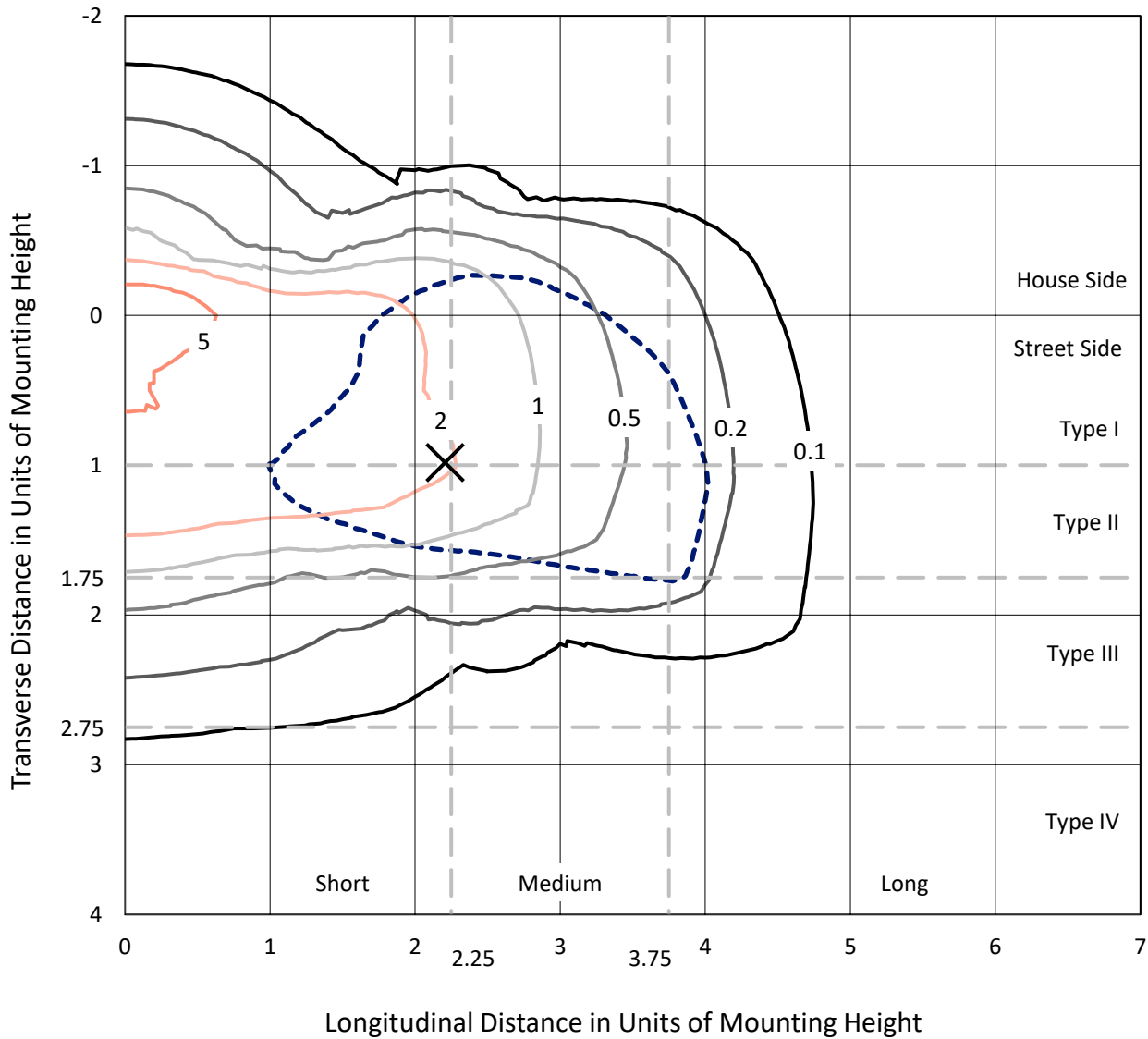
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

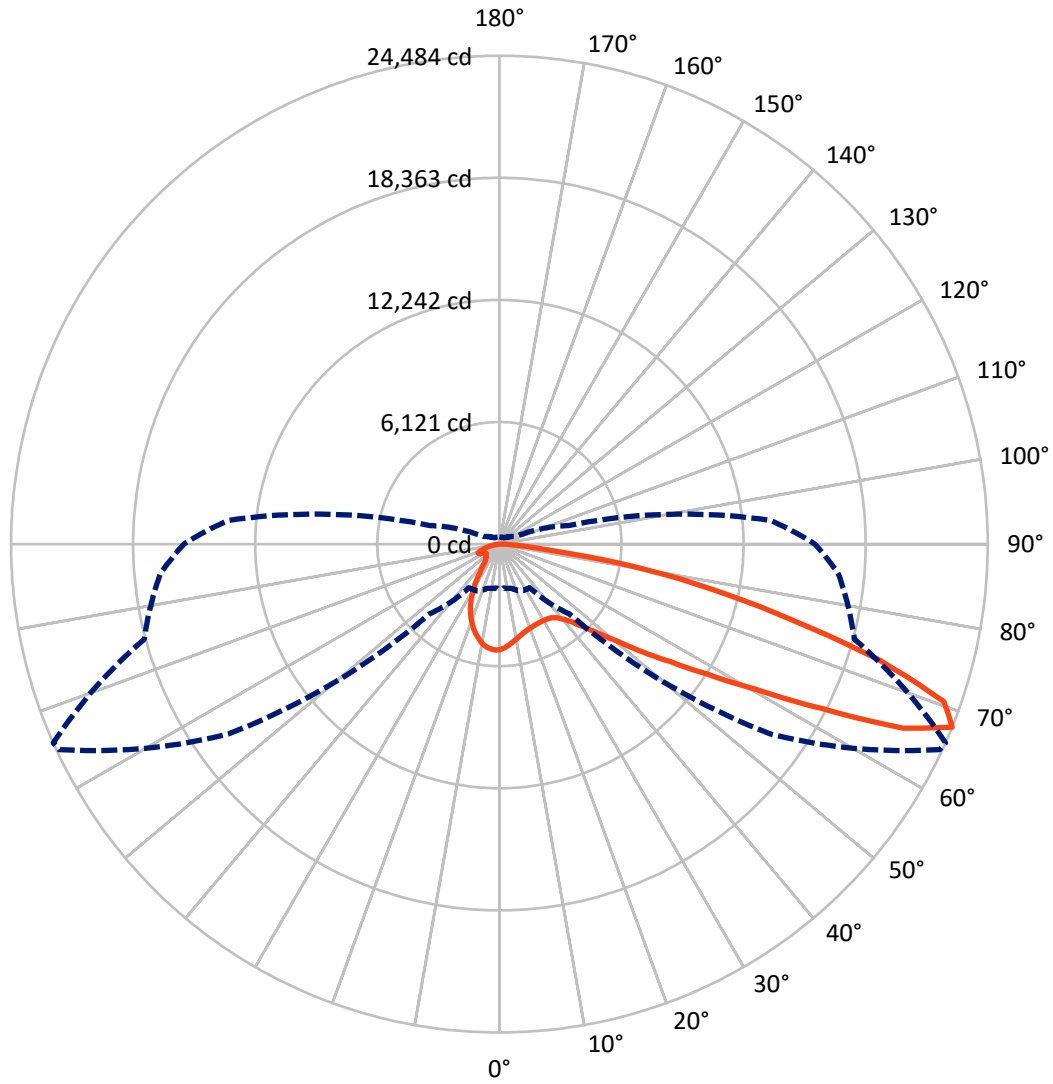
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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	4857.3	0.0	4857.3
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	19079.2	0.0	19079.2
	% Fixture	79.7	0.0	79.7
Total	Lumens	23936.5	0.0	23936.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	464.2	1.9
10°-20°	1140.8	4.8
20°-30°	1568.1	6.6
30°-40°	2143.9	9.0
40°-50°	3248.5	13.6
50°-60°	5049.9	21.1
60°-70°	6148.2	25.7
70°-80°	3745.2	15.6
80°-90°	427.8	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°	23936.5	100.0
0°-180°	23936.5	100.0

Coefficient of Utilization



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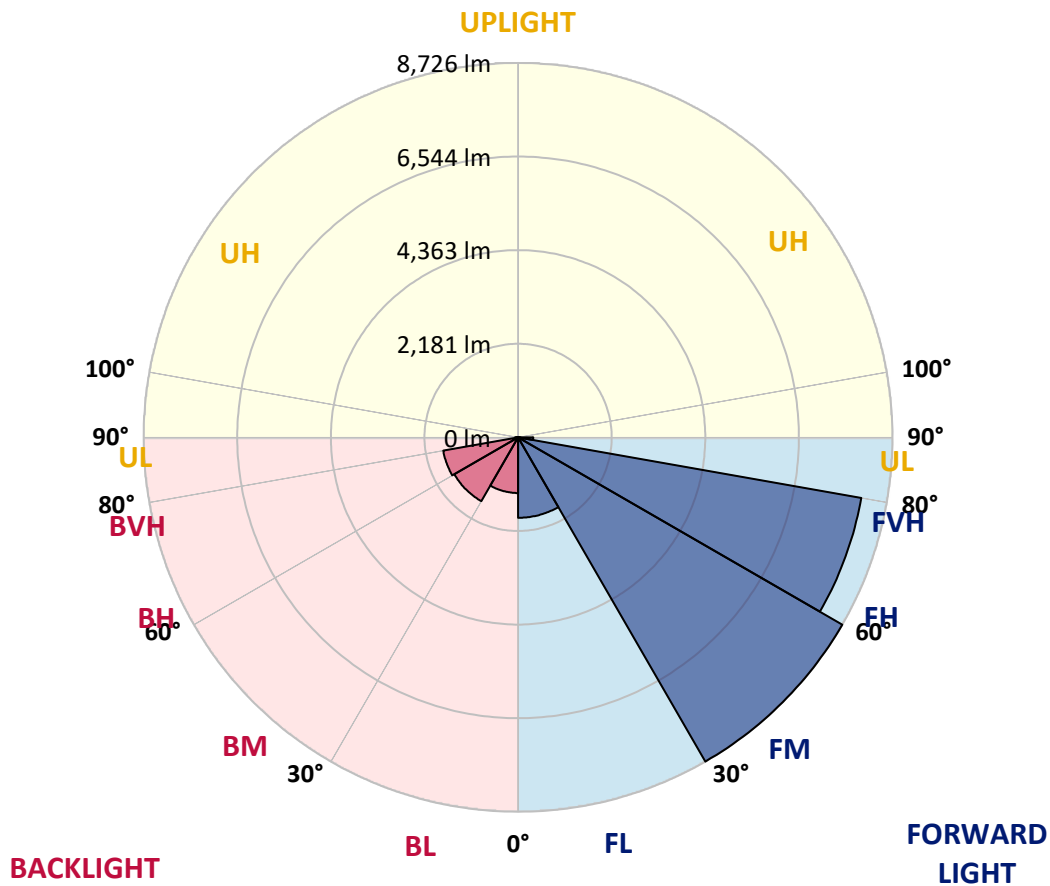
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1875.5	7.8			
FM (30°-60°)	8725.8	36.5			
FH (60°-80°)	8122.3	33.9			G4/12000
FVH (80°-90°)	355.7	1.5			G3/500
BL (0°-30°)	1297.6	5.4	B3/2500		
BM (30°-60°)	1716.5	7.2	B2/2500		
BH (60°-80°)	1771.0	7.4	B3/2500		G3/2500
BVH (80°-90°)	72.1	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5289.3	5289.3	5289.3	5289.3	5289.3	5289.3	5289.3	5289.3	5289.3	5289.3	5289.3
2.5°	4954.0	4971.5	4961.0	5027.4	5030.8	5114.7	5161.8	5202.0	5205.5	5257.9	5292.8
5°	4615.2	4625.7	4625.7	4688.6	4730.5	4842.3	4950.5	5065.8	5074.5	5200.2	5296.3
7.5°	4341.1	4351.6	4344.6	4428.4	4482.5	4606.5	4744.5	4920.8	4938.3	5140.9	5308.5
10°	4126.3	4122.8	4140.3	4217.1	4287.0	4435.4	4589.1	4789.9	4816.1	5072.8	5322.5
12.5°	3979.6	3983.1	3993.6	4073.9	4149.0	4295.7	4454.6	4672.9	4700.8	4994.2	5315.5
15°	3909.8	3902.8	3911.5	3984.9	4056.5	4185.7	4349.8	4575.1	4603.0	4924.3	5317.2
17.5°	3894.1	3888.8	3887.1	3939.5	3993.6	4114.1	4271.2	4500.0	4529.7	4878.9	5327.7
20°	3943.0	3936.0	3916.8	3939.5	3962.2	4063.4	4215.4	4445.9	4479.0	4849.2	5348.7
22.5°	4077.4	4065.2	4035.5	4007.6	3977.9	4039.0	4180.4	4405.7	4438.9	4830.0	5369.6
25°	4281.7	4271.2	4239.8	4176.9	4068.7	4058.2	4173.5	4388.2	4421.4	4816.1	5378.3
27.5°	4562.9	4547.1	4515.7	4424.9	4248.5	4129.8	4199.6	4386.5	4417.9	4800.3	5369.6
30°	4896.4	4885.9	4868.4	4758.4	4522.7	4281.7	4259.0	4400.5	4424.9	4791.6	5352.2
32.5°	5235.2	5224.7	5238.6	5186.3	4896.4	4533.2	4388.2	4438.9	4456.3	4789.9	5336.4
35°	5533.8	5546.0	5647.3	5656.0	5371.4	4873.7	4592.5	4527.9	4531.4	4824.8	5343.4
37.5°	5846.3	5893.5	6026.2	6139.7	5902.2	5324.2	4896.4	4695.6	4692.1	4913.9	5387.1
40°	6260.2	6281.1	6450.5	6663.6	6515.1	5942.4	5327.7	4969.7	4945.3	5095.5	5504.1
42.5°	6663.6	6714.2	6984.9	7229.3	7180.4	6639.1	5870.8	5380.1	5336.4	5416.8	5745.0
45°	7176.9	7225.8	7529.7	7844.0	7933.1	7426.7	6565.8	5963.3	5919.7	5900.5	6186.8
47.5°	7690.3	7741.0	8013.4	8467.4	8780.0	8411.5	7470.3	6733.4	6661.8	6586.7	6853.9
50°	8036.1	8095.5	8355.6	8900.5	9633.9	9640.9	8542.5	7742.7	7651.9	7533.2	7793.4
52.5°	8023.9	8062.3	8310.2	8938.9	10248.5	11053.5	9977.9	9027.9	8954.6	8696.2	8923.2
55°	7393.5	7451.1	7700.8	8486.6	10314.9	12392.9	12087.3	10543.6	10412.7	9949.9	10199.6
57.5°	6127.5	6176.4	6427.8	7397.0	9726.4	13079.2	14766.0	12475.0	12295.1	11315.5	11603.6
60°	4625.7	4566.4	4685.1	5533.8	8319.0	13096.6	17130.4	15094.3	14793.9	12775.3	13016.3
62.5°	3471.5	3412.1	3438.3	3677.5	5640.3	12038.4	18478.5	18677.5	18181.6	14423.7	14376.6
65°	2743.3	2710.1	2785.2	2949.4	3288.1	9167.6	18488.9	22552.4	22239.8	16334.1	15771.8
67.5°	2235.2	2214.2	2291.0	2594.9	2666.5	4926.1	16578.6	24361.5	24483.7	18426.1	17065.8
70°	1800.3	1768.9	1889.4	2289.3	2479.6	2980.8	11876.0	23439.5	23636.8	19672.9	16700.8
72.5°	1243.3	1245.1	1306.2	1854.5	2394.1	2573.9	6717.7	19517.5	19945.3	18543.1	14682.2
75°	838.2	845.2	862.6	1224.1	2205.5	2497.1	3579.7	14776.5	15078.6	15326.5	12136.2
77.5°	506.4	509.9	550.1	740.4	1521.0	2331.2	2425.5	10711.3	10948.8	10103.6	7522.7
80°	293.4	305.6	342.3	495.9	1026.8	1751.5	1877.2	6567.5	6836.4	4491.3	2390.6
82.5°	129.2	138.0	186.8	288.1	599.0	1489.5	1465.1	2594.9	2556.5	1252.0	829.5
85°	22.7	27.9	40.2	90.8	220.0	785.8	1136.8	1145.5	1077.4	475.0	344.0
87.5°	0.0	0.0	0.0	0.0	0.0	5.2	171.1	307.3	305.6	134.5	118.7
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°	5289.3	5289.3	5289.3	5289.3	5289.3	5289.3	5289.3	5289.3	5289.3	5289.3	5289.3
2.5°	5315.5	5268.3	5310.2	5315.5	5306.7	5299.8	5247.4	5202.0	5196.7	5147.8	5147.8
5°	5334.7	5291.0	5312.0	5271.8	5209.0	5144.4	5032.6	4955.8	4920.8	4858.0	4858.0
7.5°	5360.9	5315.5	5291.0	5191.5	5044.8	4903.4	4723.5	4573.3	4512.2	4423.2	4419.7
10°	5385.3	5327.7	5243.9	5050.1	4816.1	4590.8	4328.9	4115.8	3970.9	3864.4	3864.4
12.5°	5383.6	5308.5	5142.6	4856.2	4533.2	4206.6	3857.4	3536.1	3344.0	3178.1	3167.6
15°	5380.1	5277.1	5013.4	4631.0	4203.1	3750.9	3275.9	2856.8	2572.2	2409.8	2395.8
17.5°	5376.6	5236.9	4868.4	4374.3	3801.5	3185.1	2558.2	2104.2	1866.7	1767.2	1770.7
20°	5376.6	5191.5	4713.0	4079.2	3338.8	2507.6	1877.2	1547.1	1487.8	1493.0	1498.3
22.5°	5360.9	5135.6	4540.2	3757.9	2823.6	1844.0	1384.7	1273.0	1304.4	1353.3	1360.3
25°	5324.2	5043.1	4339.3	3401.6	2210.7	1342.8	1129.8	1108.8	1166.5	1227.6	1245.1
27.5°	5266.6	4936.6	4114.1	2984.3	1627.5	1079.2	993.6	991.9	1037.3	1082.7	1098.4
30°	5205.5	4817.8	3876.6	2519.8	1178.7	939.5	906.3	906.3	929.0	956.9	953.4
32.5°	5133.9	4697.3	3621.7	2036.1	960.4	860.9	850.4	845.2	848.7	859.1	859.1
35°	5072.8	4590.8	3359.7	1524.4	860.9	817.2	806.8	794.5	789.3	782.3	785.8
37.5°	5050.1	4507.0	3089.1	1149.0	812.0	785.8	768.3	750.9	738.6	735.2	733.4
40°	5086.7	4472.1	2818.4	946.4	777.1	752.6	733.4	710.7	700.2	700.2	700.2
42.5°	5229.9	4498.3	2542.5	855.6	752.6	724.7	696.7	675.8	672.3	675.8	677.5
45°	5491.8	4599.5	2256.1	810.2	731.7	696.7	663.6	647.8	647.8	651.3	651.3
47.5°	5959.8	4865.0	1973.2	782.3	710.7	674.0	639.1	623.4	621.7	625.1	625.1
50°	6770.1	5343.4	1718.3	763.1	695.0	656.6	621.7	600.7	595.5	593.7	593.7
52.5°	7791.6	6172.9	1555.9	749.1	675.8	637.4	602.4	574.5	564.0	558.8	558.8
55°	9026.2	7278.2	1555.9	738.6	651.3	614.7	574.5	546.6	530.8	523.9	523.9
57.5°	10424.9	8565.2	1824.8	729.9	632.1	588.5	544.8	516.9	499.4	488.9	488.9
60°	11848.1	9925.5	2490.1	717.7	614.7	555.3	511.6	485.4	462.7	450.5	448.8
62.5°	13323.6	11423.7	3366.7	724.7	602.4	523.9	476.7	447.0	427.8	415.6	413.9
65°	14675.2	12850.4	4133.3	778.8	604.2	495.9	436.6	410.4	394.6	378.9	377.2
67.5°	15822.5	13637.9	3595.5	888.8	640.9	462.7	396.4	370.2	356.2	345.8	344.0
70°	15019.2	12436.5	2039.6	956.9	691.5	427.8	351.0	333.5	319.6	312.6	310.8
72.5°	12843.4	10529.7	1363.8	845.2	630.4	382.4	309.1	295.1	284.6	275.9	274.2
75°	10404.0	8350.4	1042.5	693.2	490.7	310.8	265.4	254.9	244.5	235.7	234.0
77.5°	6155.4	4824.8	768.3	548.3	345.8	242.7	220.0	211.3	200.8	193.8	192.1
80°	1964.5	1676.4	487.2	377.2	228.8	186.8	169.4	162.4	151.9	143.2	141.4
82.5°	749.1	647.8	258.4	192.1	151.9	127.5	113.5	106.5	99.5	90.8	89.1
85°	331.8	310.8	143.2	103.0	82.1	62.9	55.9	52.4	43.7	36.7	34.9
87.5°	117.0	117.0	61.1	29.7	17.5	8.7	5.2	1.7	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)