

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: P639851

Luminaire Tested: GWS-SA5C-760-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639851
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-760-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23539.5 lumens
Efficiency: N/A
Efficacy: 149.5 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

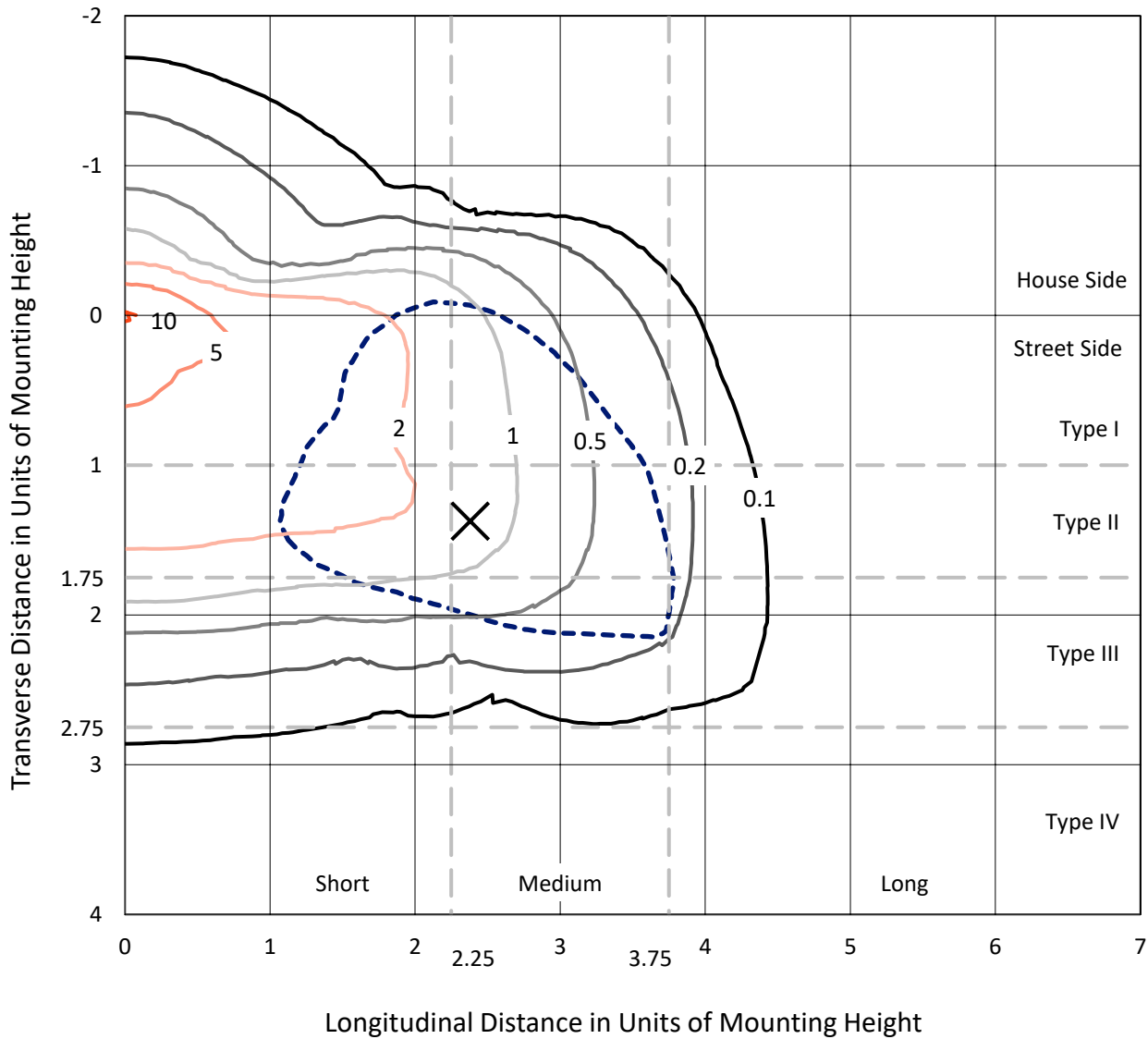


REPORT NUMBER: P639851

CATALOG NUMBER: GWS-SA5C-760-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination

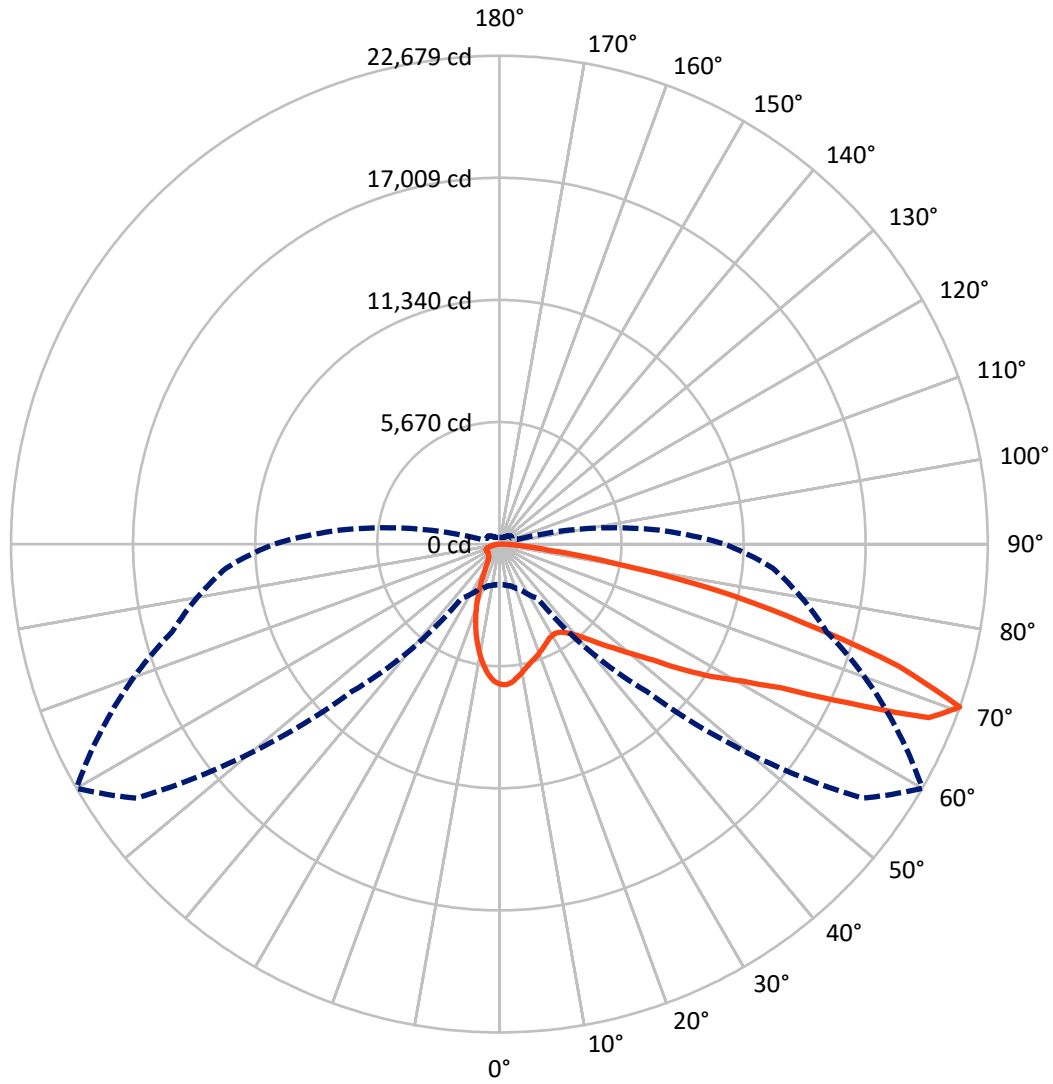
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P639851
CATALOG NUMBER: GWS-SA5C-760-U-SL3-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P639851

CATALOG NUMBER: GWS-SA5C-760-U-SL3-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4025.8	0.0	4025.8
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	19513.7	0.0	19513.7
	% Fixture	82.9	0.0	82.9
Total	Lumens	23539.5	0.0	23539.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	561.4	2.4
10°-20°	1257.8	5.3
20°-30°	1610.9	6.8
30°-40°	2117.1	9.0
40°-50°	3071.5	13.0
50°-60°	4792.3	20.4
60°-70°	6274.1	26.7
70°-80°	3469.4	14.7
80°-90°	385.0	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°	23539.5	100.0
0°-180°	23539.5	100.0

Coefficient of Utilization



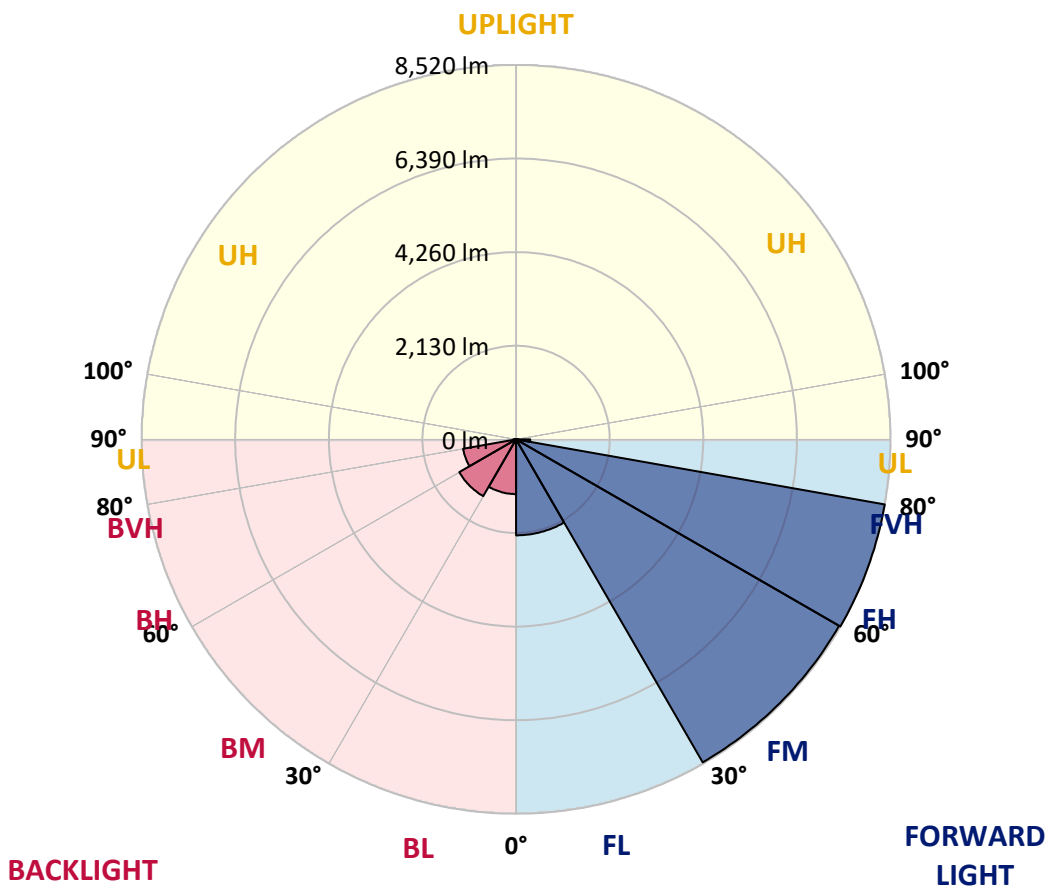
REPORT NUMBER: P639851

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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°)	2184.6	9.3			
FM (30°-60°)	8488.3	36.1			
FH (60°-80°)	8520.0	36.2			G4/12000
FVH (80°-90°)	320.8	1.4			G3/500
BL (0°-30°)	1245.5	5.3	B3/2500		
BM (30°-60°)	1492.6	6.3	B2/2500		
BH (60°-80°)	1223.4	5.2	B3/2500		G3/2500
BVH (80°-90°)	64.2	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





REPORT NUMBER: P639851

CATALOG NUMBER: GWS-SA5C-760-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	6513.7	6513.7	6513.7	6513.7	6513.7	6513.7	6513.7	6513.7	6513.7	6513.7	6513.7
2.5°	6422.4	6429.3	6448.2	6475.8	6503.4	6517.1	6551.6	6541.2	6534.4	6520.6	6503.4
5°	6138.2	6152.0	6169.2	6222.6	6282.9	6331.1	6408.6	6417.2	6420.7	6427.6	6400.0
7.5°	5776.5	5780.0	5821.3	5891.9	5971.2	6053.8	6183.0	6219.2	6250.2	6284.6	6262.2
10°	5377.0	5385.6	5416.6	5518.2	5654.3	5776.5	5950.5	6010.8	6076.2	6152.0	6121.0
12.5°	5049.7	5051.5	5101.4	5209.9	5358.0	5523.4	5740.4	5812.7	5898.8	6017.7	5990.1
15°	4789.7	4789.7	4836.2	4929.2	5099.7	5294.3	5552.6	5645.7	5762.8	5922.9	5874.7
17.5°	4583.0	4584.7	4614.0	4712.2	4863.7	5079.0	5385.6	5511.3	5640.5	5852.3	5780.0
20°	4474.5	4465.9	4471.1	4531.3	4660.5	4868.9	5218.5	5364.9	5538.9	5804.1	5693.9
22.5°	4469.3	4453.8	4431.4	4436.6	4512.4	4684.6	5039.4	5216.8	5435.5	5764.5	5606.0
25°	4557.2	4539.9	4500.3	4455.6	4448.7	4552.0	4870.6	5072.1	5328.8	5747.3	5521.6
27.5°	4705.3	4693.2	4641.6	4574.4	4503.8	4500.3	4743.2	4953.3	5251.2	5764.5	5461.4
30°	4901.6	4881.0	4848.2	4762.1	4655.3	4545.1	4693.2	4889.6	5199.6	5819.6	5435.5
32.5°	5123.8	5111.7	5080.7	4994.6	4881.0	4705.3	4732.8	4903.3	5199.6	5916.1	5440.7
35°	5359.8	5358.0	5358.0	5301.2	5175.5	4956.7	4889.6	5020.5	5278.8	6071.1	5495.8
37.5°	5588.8	5587.1	5642.2	5662.9	5519.9	5284.0	5156.5	5254.7	5452.8	6300.1	5631.9
40°	5774.8	5781.7	5902.3	6005.6	5926.4	5707.7	5528.5	5578.5	5735.2	6625.6	5869.5
42.5°	5962.6	5981.5	6162.3	6344.9	6375.9	6186.5	6005.6	6034.9	6139.9	7056.2	6224.3
45°	6167.5	6176.1	6429.3	6684.2	6834.0	6722.1	6574.0	6613.6	6637.7	7588.4	6753.1
47.5°	6365.6	6388.0	6715.2	7064.8	7349.0	7338.7	7256.0	7243.9	7249.1	8236.0	7378.3
50°	6636.0	6668.7	7052.8	7474.7	7891.5	8082.7	8106.8	8015.5	7977.6	8955.9	8156.7
52.5°	7149.2	7149.2	7493.7	7908.7	8468.5	8942.1	9104.0	8954.2	8833.6	9717.1	8983.4
55°	7791.6	7819.2	8093.0	8428.9	9138.4	9846.3	10394.0	10228.7	9887.6	10545.6	9849.8
57.5°	8077.5	8112.0	8546.0	9067.8	10015.1	10874.5	11634.0	11575.5	11077.7	11406.7	10748.8
60°	7560.8	7633.2	8230.8	9105.7	10809.1	12533.1	13068.7	12898.2	12186.9	12310.9	11723.6
62.5°	6307.0	6386.2	7049.3	8270.4	10698.8	14326.0	15330.1	14701.4	13571.6	13452.8	13022.2
65°	3763.2	3759.7	4557.2	6176.1	9340.0	14823.7	18909.0	17736.1	15710.7	15020.1	14358.7
67.5°	2392.3	2387.1	2554.1	3272.3	6215.7	13604.3	21209.9	21514.8	18616.2	16172.3	14468.9
70°	1887.6	1885.9	2006.5	2333.7	3074.3	9681.0	20569.3	22679.1	20371.2	15733.1	12739.7
72.5°	1376.1	1379.6	1565.6	1954.8	2371.6	4860.3	16656.2	19405.0	18736.7	13888.5	10342.3
75°	988.6	993.8	1105.7	1496.7	2187.3	2657.5	11076.0	14591.2	14255.4	11132.9	7114.8
77.5°	628.6	635.5	733.7	1048.9	1767.1	2146.0	6715.2	10301.0	9484.6	6272.6	2530.0
80°	384.1	406.5	489.1	781.9	1412.3	1610.3	3356.7	5426.9	4750.1	1720.6	850.8
82.5°	198.1	215.3	294.5	484.0	973.1	1414.0	1899.7	2280.3	1470.8	719.9	453.0
85°	62.0	72.3	103.3	196.3	463.3	876.6	1257.3	1133.3	675.1	339.3	210.1
87.5°	15.5	15.5	17.2	17.2	18.9	39.6	242.8	256.6	179.1	106.8	86.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P639851
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6513.7	6513.7	6513.7	6513.7	6513.7	6513.7	6513.7	6513.7	6513.7	6513.7	6513.7
2.5°	6468.9	6427.6	6410.3	6408.6	6365.6	6303.6	6262.2	6233.0	6215.7	6212.3	6212.3
5°	6353.5	6300.1	6229.5	6176.1	6060.7	5943.6	5845.4	5790.3	5726.6	5718.0	5716.3
7.5°	6200.2	6122.7	5988.4	5838.5	5637.0	5442.4	5277.1	5165.1	5053.2	5032.5	5025.6
10°	6034.9	5929.8	5700.8	5437.3	5135.9	4844.8	4591.6	4393.6	4262.7	4169.7	4152.4
12.5°	5871.3	5731.8	5395.9	5003.2	4589.9	4192.0	3811.4	3487.6	3253.4	3117.3	3093.2
15°	5718.0	5523.4	5063.5	4562.3	4025.0	3480.7	2941.7	2521.4	2192.5	2075.4	2047.8
17.5°	5578.5	5335.6	4741.5	4105.9	3436.0	2724.7	2111.5	1737.8	1544.9	1486.3	1472.6
20°	5439.0	5142.7	4414.2	3625.4	2810.8	2013.4	1543.2	1367.5	1295.2	1272.8	1265.9
22.5°	5289.1	4930.9	4057.7	3151.8	2178.7	1507.0	1262.4	1184.9	1162.5	1164.3	1162.5
25°	5139.3	4715.6	3684.0	2636.8	1622.4	1222.8	1102.3	1073.0	1078.2	1093.7	1097.1
27.5°	5015.3	4524.4	3317.1	2071.9	1267.6	1052.3	995.5	993.8	1012.7	1033.4	1036.8
30°	4925.7	4353.9	2955.4	1593.1	1043.7	935.2	912.8	923.1	945.5	961.0	966.2
32.5°	4862.0	4207.5	2569.7	1252.1	914.5	852.5	842.2	852.5	866.3	881.8	885.3
35°	4839.6	4100.8	2190.7	1021.3	826.7	792.3	785.4	790.5	797.4	806.0	809.5
37.5°	4889.6	4047.4	1794.6	888.7	773.3	752.6	742.3	738.9	740.6	744.0	745.7
40°	5037.7	4071.5	1470.8	811.2	738.9	719.9	702.7	695.8	694.1	697.5	695.8
42.5°	5292.6	4173.1	1236.6	766.4	711.3	683.7	664.8	657.9	657.9	666.5	666.5
45°	5666.3	4372.9	1067.8	733.7	687.2	652.7	632.1	628.6	635.5	649.3	651.0
47.5°	6214.0	4665.7	966.2	709.6	664.8	625.2	604.5	602.8	616.6	639.0	640.7
50°	6863.3	5087.6	911.1	692.4	649.3	602.8	582.1	583.9	599.4	623.5	628.6
52.5°	7645.2	5662.9	914.5	685.5	640.7	589.0	568.4	564.9	580.4	604.5	609.7
55°	8453.0	6362.1	981.7	687.2	628.6	582.1	554.6	542.5	556.3	573.5	575.2
57.5°	9341.7	7150.9	1148.8	683.7	613.1	575.2	542.5	515.0	523.6	533.9	539.1
60°	10344.0	8079.2	1508.7	690.6	606.2	559.7	518.4	482.2	480.5	487.4	489.1
62.5°	11684.0	9341.7	1913.5	702.7	621.7	540.8	482.2	444.3	437.5	440.9	442.6
65°	12708.7	9944.5	1786.0	692.4	654.5	527.0	447.8	408.2	394.4	391.0	391.0
67.5°	12292.0	9147.1	1243.5	664.8	670.0	528.7	420.2	370.3	353.1	344.5	342.7
70°	10459.4	7429.9	864.6	637.2	652.7	525.3	391.0	339.3	316.9	304.8	303.1
72.5°	8263.5	5673.2	699.2	582.1	592.5	473.6	347.9	304.8	285.9	270.4	270.4
75°	5318.4	3461.8	583.9	518.4	484.0	368.6	301.4	272.1	253.2	237.7	237.7
77.5°	1789.5	1284.8	453.0	439.2	361.7	277.3	253.2	234.2	218.7	205.0	203.2
80°	726.8	609.7	332.4	332.4	253.2	211.8	198.1	189.5	179.1	161.9	161.9
82.5°	422.0	370.3	232.5	201.5	168.8	146.4	137.8	129.2	129.2	117.1	117.1
85°	203.2	205.0	139.5	124.0	96.4	84.4	80.9	75.8	74.1	67.2	65.4
87.5°	110.2	111.9	70.6	55.1	37.9	32.7	27.6	25.8	24.1	22.4	22.4
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)