

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: P633875

Luminaire Tested: GWS-SA2F-750-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-750-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16920.9 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

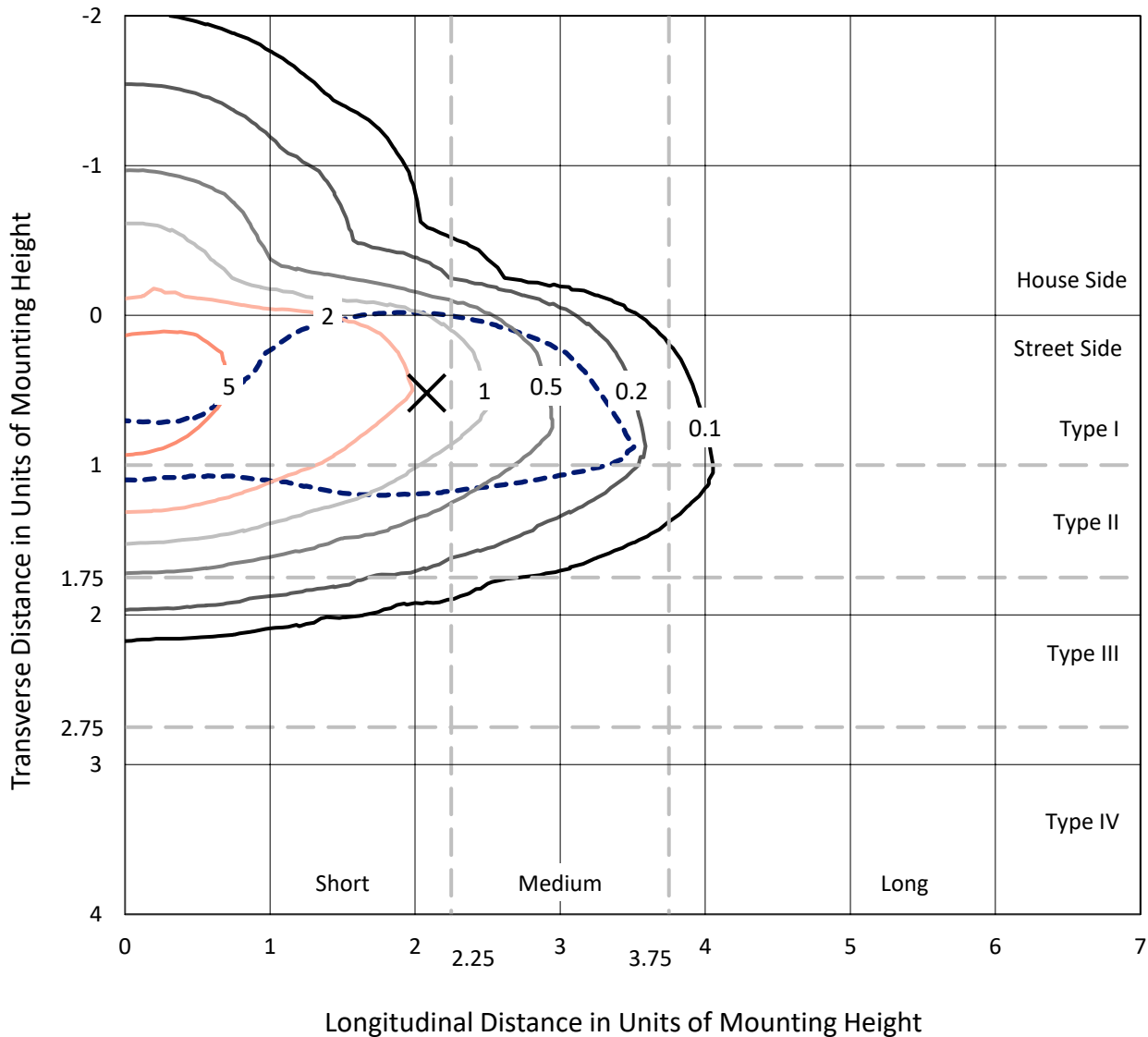
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633875
 CATALOG NUMBER: GWS-SA2F-750-U-T2R-W

Iso-Footcandle Lines of Horizontal Illumination

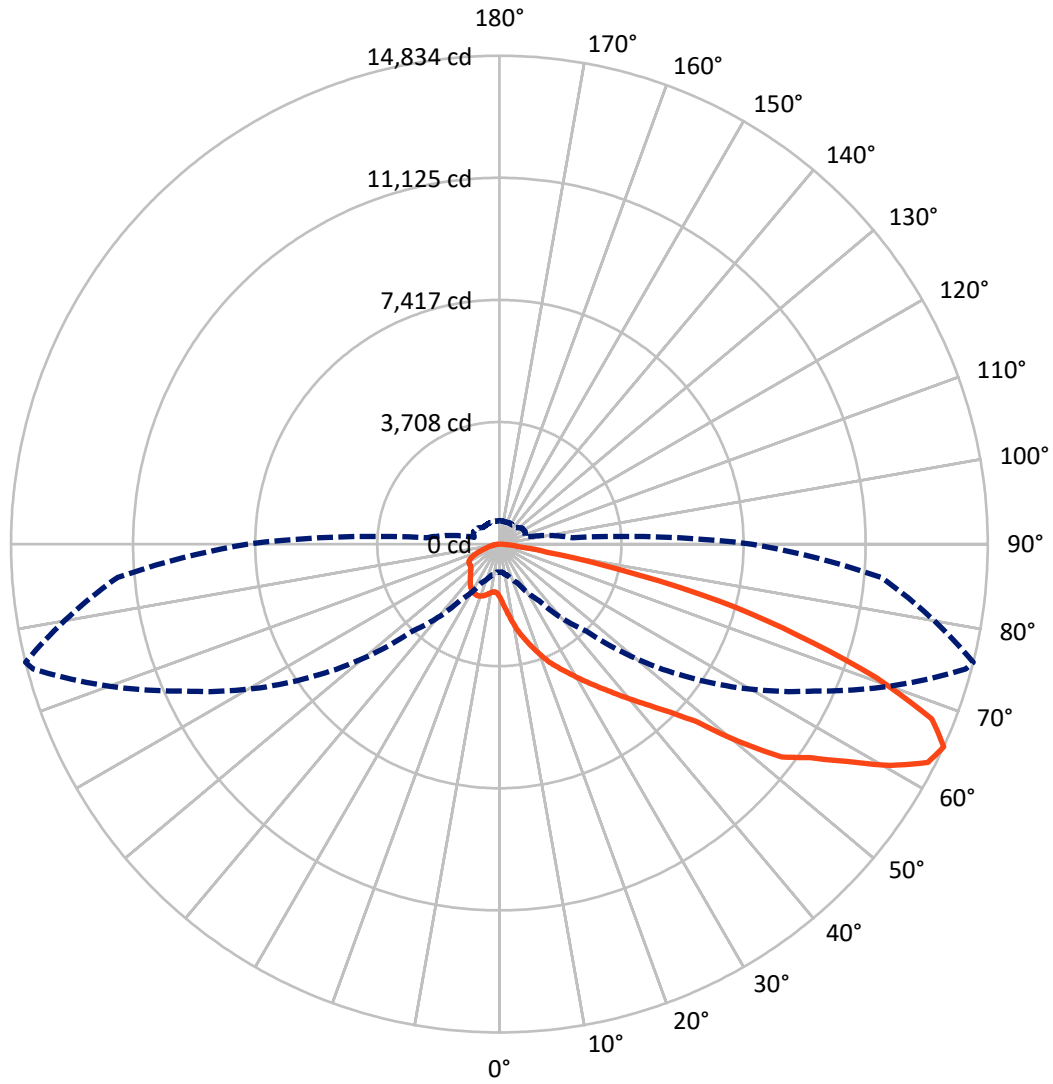
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Short - N/A

REPORT NUMBER: P633875
CATALOG NUMBER: GWS-SA2F-750-U-T2R-W

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P633875

CATALOG NUMBER: GWS-SA2F-750-U-T2R-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2828.3	0.0	2828.3
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	14092.5	0.0	14092.5
	% Fixture	83.3	0.0	83.3
Total	Lumens	16920.9	0.0	16920.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.4	1.1
10°-20°	725.1	4.3
20°-30°	1413.1	8.4
30°-40°	2363.3	14.0
40°-50°	3383.8	20.0
50°-60°	4006.0	23.7
60°-70°	3331.0	19.7
70°-80°	1363.1	8.1
80°-90°	145.1	0.9
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°	16920.9	100.0
0°-180°	16920.9	100.0

Coefficient of Utilization



REPORT NUMBER: P633875

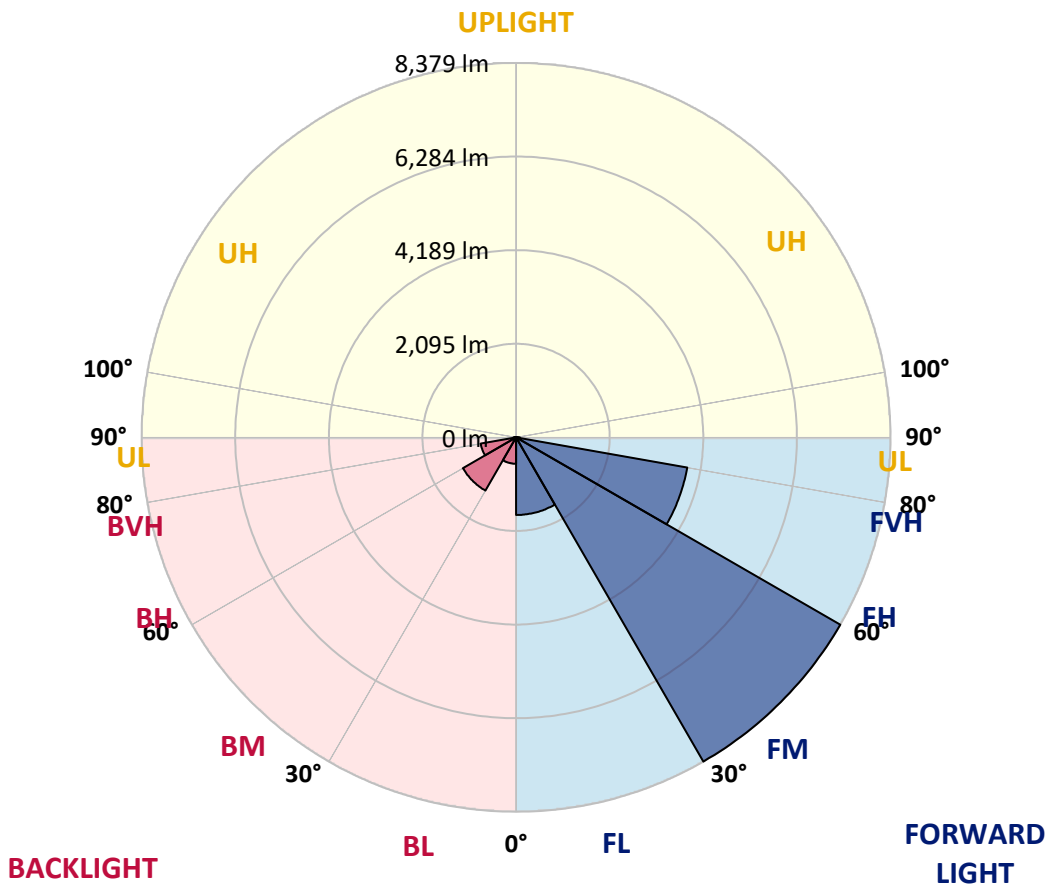
CATALOG NUMBER: GWS-SA2F-750-U-T2R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1736.9	10.3			
FM (30°-60°)	8378.6	49.5			
FH (60°-80°)	3890.5	23.0			G2/5000
FVH (80°-90°)	86.5	0.5			G1/100
BL (0°-30°)	591.7	3.5	B2/1000		
BM (30°-60°)	1374.5	8.1	B2/2500		
BH (60°-80°)	803.6	4.7	B2/1000		G2/1000
BVH (80°-90°)	58.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





REPORT NUMBER: P633875
 CATALOG NUMBER: GWS-SA2F-750-U-T2R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1602.3	1602.3	1602.3	1602.3	1602.3	1602.3	1602.3	1602.3	1602.3	1602.3	1602.3
2.5°	2245.9	2254.2	2226.9	2217.4	2153.1	2066.3	1993.7	1884.3	1783.2	1767.7	1677.3
5°	2852.6	2816.9	2786.0	2765.7	2676.5	2577.8	2424.3	2218.5	2003.2	1977.1	1782.0
7.5°	3213.0	3207.1	3169.0	3157.1	3088.1	2989.4	2831.2	2575.4	2262.6	2219.7	1923.5
10°	3502.1	3498.5	3479.5	3490.2	3427.1	3330.8	3177.3	2913.2	2546.9	2504.0	2081.7
12.5°	3754.3	3760.2	3756.7	3795.9	3763.8	3688.8	3529.4	3239.2	2831.2	2784.8	2274.5
15°	3938.7	3943.4	3961.3	4046.9	4064.8	4049.3	3887.5	3559.2	3111.9	3045.3	2473.1
17.5°	3991.0	4000.5	4043.3	4181.3	4277.7	4341.9	4221.8	3885.1	3387.9	3315.3	2675.3
20°	4061.2	4071.9	4114.7	4258.6	4400.2	4546.5	4525.1	4215.8	3666.2	3606.8	2879.9
22.5°	4385.9	4377.6	4358.6	4427.6	4528.7	4710.7	4764.2	4533.4	3954.1	3897.0	3106.0
25°	5011.6	4996.2	4874.8	4811.8	4778.5	4889.1	4984.3	4822.5	4234.9	4149.2	3316.5
27.5°	5701.6	5693.3	5538.6	5388.7	5184.1	5136.6	5192.5	5074.7	4507.3	4420.4	3499.7
30°	6354.7	6329.7	6167.9	5980.0	5706.4	5501.7	5419.7	5322.1	4805.9	4715.4	3713.8
32.5°	6938.7	6906.6	6716.3	6508.1	6221.4	5980.0	5734.9	5585.0	5143.7	5039.0	3932.7
35°	7418.1	7386.0	7190.9	6969.7	6654.4	6476.0	6140.5	5870.5	5487.5	5381.6	4190.8
37.5°	7789.3	7759.5	7556.1	7338.4	7063.6	6922.1	6630.6	6191.7	5883.6	5773.0	4464.4
40°	7997.5	7976.0	7813.1	7640.6	7409.8	7287.3	7156.4	6597.3	6327.3	6216.7	4786.8
42.5°	8060.5	8046.2	7932.0	7842.8	7687.0	7594.2	7669.1	7074.4	6800.8	6704.4	5149.6
45°	7902.3	7902.3	7869.0	7914.2	7921.3	7920.1	8183.0	7613.2	7382.5	7276.6	5661.1
47.5°	7497.8	7524.0	7572.8	7795.2	8029.6	8225.9	8783.8	8331.7	8130.7	8043.9	6385.6
50°	6757.9	6829.3	6995.8	7430.0	7928.5	8428.1	9352.4	9394.0	9585.5	9432.1	7451.4
52.5°	5674.2	5663.5	6088.2	6706.8	7466.9	8436.4	9665.2	10331.4	10846.5	10740.6	8243.7
55°	4509.6	4491.8	4887.9	5740.9	6759.1	8117.6	9853.2	10760.8	11545.9	11450.8	8956.2
57.5°	3453.3	3430.7	3782.8	4552.5	5759.9	7440.7	9817.5	11272.3	12508.3	12459.5	9924.6
60°	2376.8	2349.4	2678.9	3352.2	4577.5	6405.8	9422.6	11535.2	13634.8	13651.5	10960.7
62.5°	1427.5	1412.0	1651.1	2173.3	3292.7	5123.5	8498.3	11375.8	14531.7	14606.7	11626.8
65°	861.2	850.5	990.9	1296.6	2088.9	3738.8	7073.2	10561.0	14661.4	14833.9	11642.3
67.5°	626.9	628.1	668.5	789.9	1218.1	2414.8	5307.8	9100.2	13985.7	14164.2	10908.3
70°	544.8	547.2	568.6	596.0	736.3	1382.3	3450.9	7183.8	11988.5	12126.4	9149.0
72.5°	484.2	484.2	498.4	512.7	575.8	842.2	1848.6	5021.2	9461.8	9498.7	6982.8
75°	425.9	422.3	429.4	436.6	499.6	588.8	899.3	3498.5	6988.7	6903.1	4513.2
77.5°	339.0	335.5	336.6	343.8	400.9	421.1	455.6	2185.2	3938.7	3717.4	1993.7
80°	241.5	239.1	252.2	270.0	296.2	258.1	285.5	1057.5	1561.9	1453.7	773.2
82.5°	143.9	148.7	168.9	183.2	204.6	161.8	184.4	353.3	553.1	538.9	314.0
85°	20.2	21.4	60.7	70.2	88.0	63.0	97.5	159.4	221.3	236.7	110.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	8.3	28.5	63.0	64.2	27.4
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: P633875
 CATALOG NUMBER: GWS-SA2F-750-U-T2R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1602.3	1602.3	1602.3	1602.3	1602.3	1602.3	1602.3	1602.3	1602.3	1602.3	1602.3
2.5°	1630.9	1575.0	1495.3	1428.7	1372.8	1327.6	1289.5	1260.9	1252.6	1240.7	1240.7
5°	1690.4	1589.3	1446.5	1345.4	1287.1	1252.6	1228.8	1216.9	1211.0	1203.8	1200.3
7.5°	1772.5	1630.9	1438.2	1335.9	1290.7	1269.3	1253.8	1246.7	1241.9	1234.8	1234.8
10°	1885.5	1692.8	1464.4	1369.2	1333.5	1312.1	1294.2	1282.4	1271.6	1260.9	1258.6
12.5°	2008.0	1773.6	1511.9	1414.4	1376.3	1350.2	1325.2	1307.3	1294.2	1281.2	1277.6
15°	2143.6	1856.9	1563.1	1458.4	1410.8	1375.1	1345.4	1318.0	1300.2	1281.2	1278.8
17.5°	2276.8	1941.4	1605.9	1488.1	1427.5	1383.5	1340.6	1305.0	1282.4	1260.9	1255.0
20°	2436.2	2025.8	1635.7	1496.5	1423.9	1365.6	1314.5	1269.3	1244.3	1219.3	1215.7
22.5°	2582.5	2104.3	1649.9	1484.6	1396.6	1327.6	1268.1	1219.3	1191.9	1167.0	1162.2
25°	2724.1	2173.3	1644.0	1456.0	1354.9	1275.2	1213.4	1164.6	1138.4	1112.2	1105.1
27.5°	2860.9	2219.7	1620.2	1412.0	1302.6	1216.9	1157.4	1113.4	1090.8	1068.2	1058.7
30°	2995.3	2262.6	1583.3	1354.9	1236.0	1156.3	1107.5	1076.6	1054.0	1030.2	1023.0
32.5°	3130.9	2293.5	1527.4	1288.3	1168.2	1102.7	1073.0	1050.4	1026.6	1002.8	995.7
35°	3267.7	2306.6	1459.6	1212.2	1111.1	1068.2	1057.5	1031.4	999.2	970.7	961.2
37.5°	3430.7	2318.5	1375.1	1137.2	1061.1	1051.6	1049.2	1009.9	971.9	932.6	921.9
40°	3627.0	2333.9	1288.3	1069.4	1020.6	1045.6	1036.1	982.6	906.5	868.4	856.5
42.5°	3867.3	2362.5	1197.9	1007.6	990.9	1023.0	1012.3	916.0	864.8	843.4	837.5
45°	4220.6	2467.2	1107.5	958.8	968.3	990.9	974.3	876.7	856.5	842.2	835.1
47.5°	4849.9	2627.8	1029.0	921.9	950.5	962.4	898.1	866.0	850.5	831.5	823.2
50°	5504.1	2697.9	965.9	899.3	930.2	936.2	856.5	851.7	841.0	820.8	812.5
52.5°	5946.6	2688.4	927.9	891.0	913.6	891.0	837.5	836.3	829.1	805.3	795.8
55°	6446.3	2705.1	911.2	893.4	906.5	814.9	813.7	817.2	813.7	787.5	782.7
57.5°	7120.7	2756.2	902.9	901.7	901.7	778.0	791.1	795.8	788.7	776.8	773.2
60°	7769.1	2759.8	887.4	911.2	898.1	755.4	764.9	769.6	761.3	758.9	757.8
62.5°	8012.9	2588.5	852.9	904.1	883.8	730.4	737.5	739.9	731.6	737.5	736.3
65°	7650.1	2224.5	795.8	869.6	839.8	707.8	703.0	709.0	694.7	710.2	711.4
67.5°	6792.4	1767.7	709.0	804.1	778.0	682.8	673.3	673.3	649.5	673.3	672.1
70°	5476.8	1249.0	581.7	699.5	710.2	653.1	648.3	621.0	582.9	618.6	615.0
72.5°	4151.6	896.9	458.0	553.1	611.4	611.4	612.6	566.2	522.2	538.9	524.6
75°	2630.1	631.7	366.4	423.5	479.4	536.5	563.9	478.2	439.0	431.8	424.7
77.5°	1184.8	415.2	285.5	324.8	340.2	423.5	515.1	411.6	358.1	342.6	337.8
80°	496.0	258.1	203.4	229.6	209.4	355.7	454.4	320.0	262.9	241.5	226.0
82.5°	217.7	153.5	129.7	123.7	130.9	264.1	339.0	212.9	164.2	222.4	224.8
85°	91.6	80.9	66.6	60.7	53.5	101.1	159.4	83.3	102.3	58.3	47.6
87.5°	21.4	23.8	17.8	11.9	7.1	1.2	0.0	0.0	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)