

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: P632276

Luminaire Tested: GWS-SA2C-735-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-735-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9056.8 lumens
Efficiency: N/A
Efficacy: 143.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

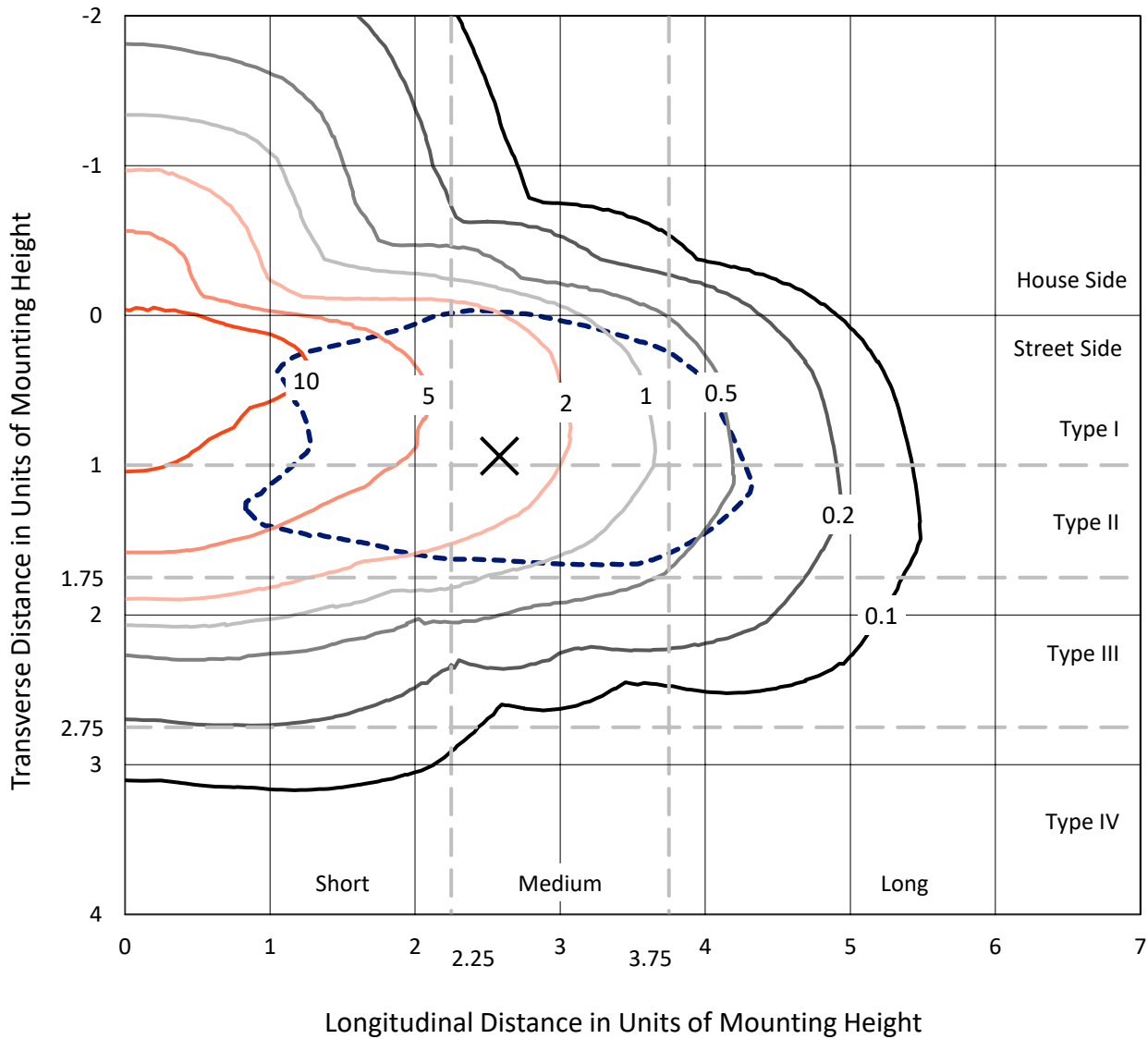
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

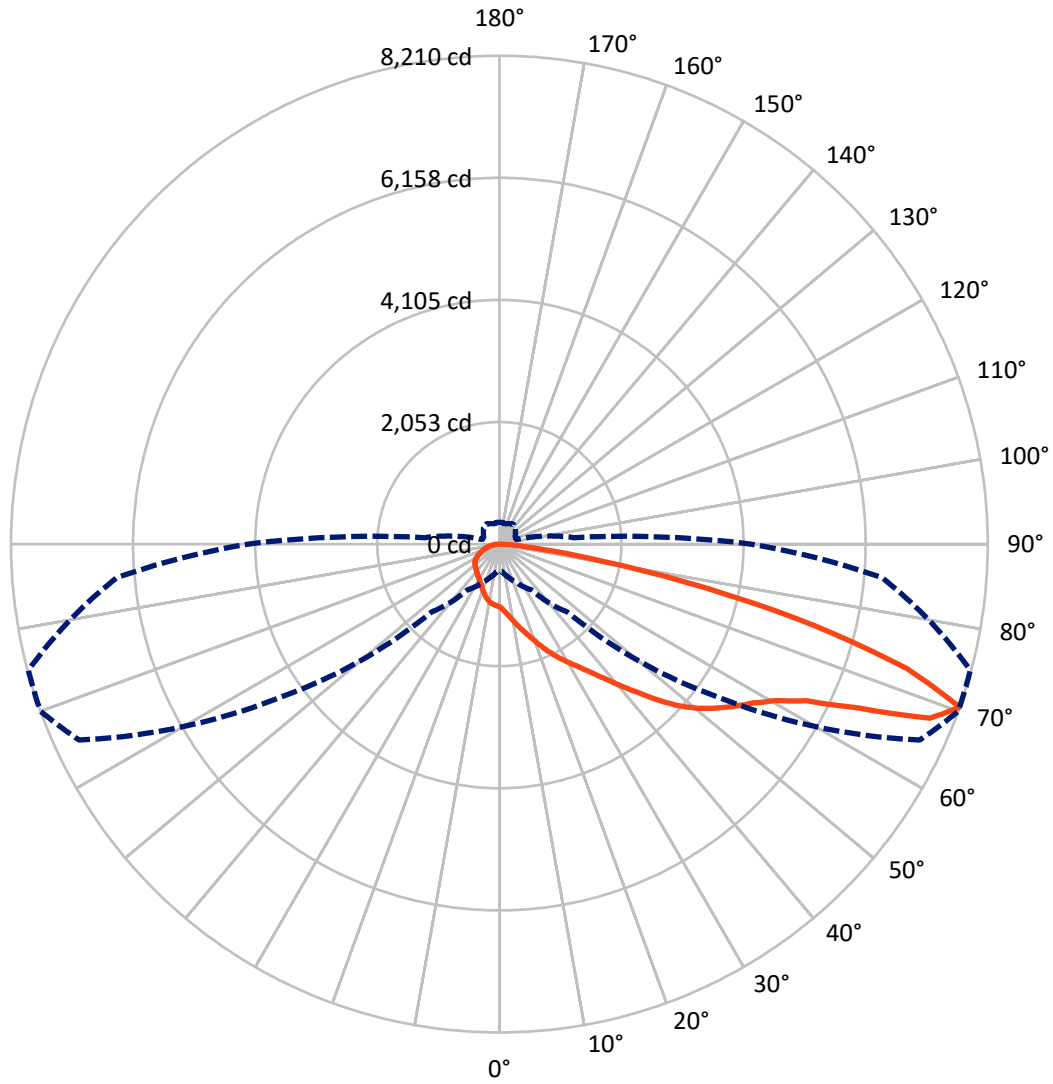
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1623.0	0.0	1623.0
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	7433.8	0.0	7433.8
	% Fixture	82.1	0.0	82.1
Total	Lumens	9056.8	0.0	9056.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.4	1.2
10°-20°	349.2	3.9
20°-30°	618.6	6.8
30°-40°	931.1	10.3
40°-50°	1408.6	15.6
50°-60°	2017.9	22.3
60°-70°	2230.6	24.6
70°-80°	1258.8	13.9
80°-90°	134.6	1.5
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°	9056.8	100.0
0°-180°	9056.8	100.0

Coefficient of Utilization



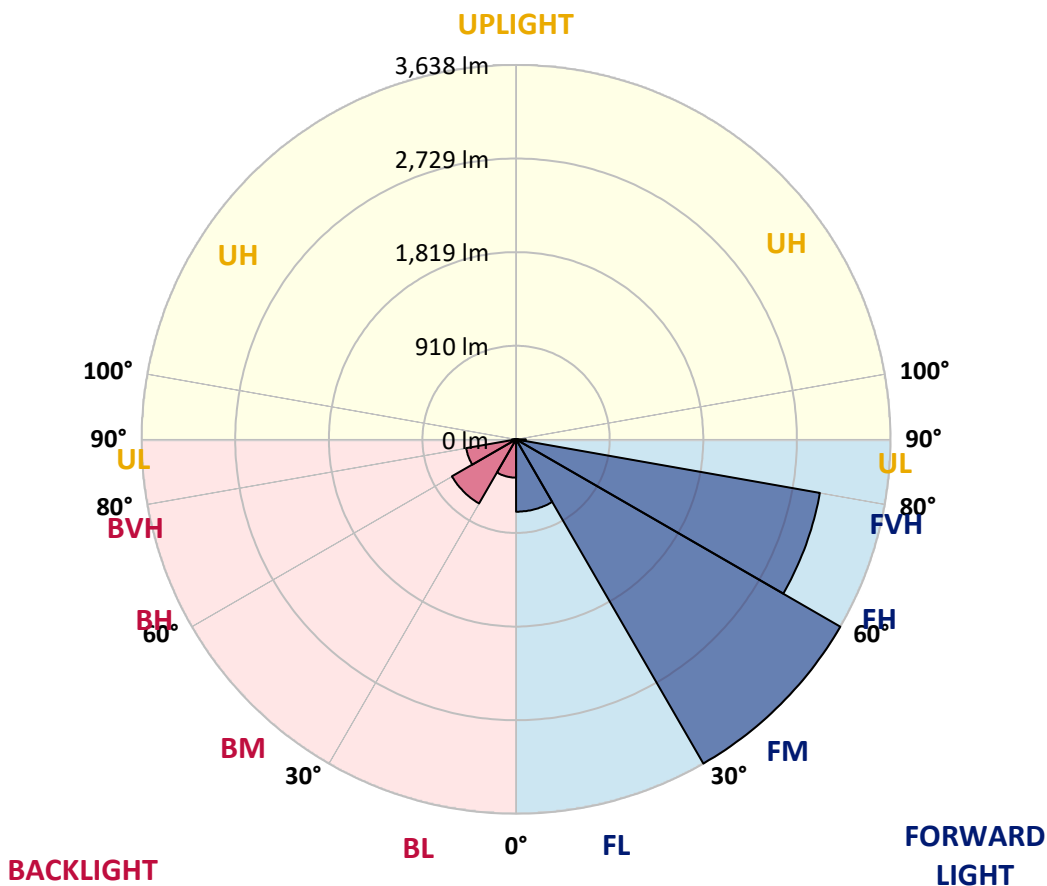
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	703.1	7.8			
FM (30°-60°)	3638.1	40.2			
FH (60°-80°)	2997.4	33.1			G2/5000
FVH (80°-90°)	95.2	1.1			G1/100
BL (0°-30°)	372.1	4.1	B1/500		
BM (30°-60°)	719.5	7.9	B1/1000		
BH (60°-80°)	491.9	5.4	B1/500		G1/500
BVH (80°-90°)	39.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1056.2	1056.2	1056.2	1056.2	1056.2	1056.2	1056.2	1056.2	1056.2	1056.2	1056.2
2.5°	1170.1	1168.1	1169.4	1168.1	1160.9	1143.2	1128.8	1110.5	1098.1	1090.9	1073.9
5°	1307.5	1305.5	1301.0	1294.4	1281.3	1257.1	1221.1	1181.2	1157.0	1138.7	1102.7
7.5°	1406.3	1406.3	1405.7	1397.8	1388.6	1363.1	1320.6	1268.2	1232.9	1201.5	1142.6
10°	1456.7	1460.0	1464.6	1475.7	1473.7	1460.0	1420.1	1363.8	1319.3	1282.6	1194.9
12.5°	1484.2	1486.2	1494.0	1516.9	1540.5	1543.7	1520.2	1461.3	1412.9	1363.8	1253.2
15°	1519.5	1520.2	1530.7	1558.1	1592.8	1627.5	1621.6	1562.7	1513.0	1458.7	1318.0
17.5°	1547.0	1551.6	1570.6	1602.6	1645.8	1693.6	1722.4	1685.7	1624.2	1562.1	1388.6
20°	1556.8	1560.1	1585.0	1634.1	1692.9	1760.4	1824.5	1814.7	1752.5	1679.2	1468.5
22.5°	1592.2	1592.2	1610.5	1651.7	1721.1	1819.2	1923.3	1948.8	1893.8	1808.1	1554.2
25°	1670.0	1667.4	1675.9	1692.9	1745.3	1866.4	2020.8	2097.4	2035.9	1939.7	1639.9
27.5°	1776.7	1775.4	1774.7	1777.4	1795.0	1907.6	2103.3	2236.1	2174.6	2066.0	1716.5
30°	1892.5	1888.6	1897.1	1889.3	1885.3	1956.7	2173.3	2360.4	2312.7	2190.9	1780.0
32.5°	2050.3	2043.1	2041.1	2015.6	1999.9	2033.2	2229.6	2501.8	2463.8	2325.8	1851.3
35°	2258.4	2251.8	2218.4	2177.9	2131.4	2147.1	2299.6	2639.9	2642.5	2494.6	1944.9
37.5°	2468.4	2469.7	2443.6	2348.0	2300.2	2291.1	2406.2	2808.1	2864.3	2696.2	2066.0
40°	2643.1	2651.0	2651.0	2550.2	2478.9	2470.4	2556.1	3007.6	3119.6	2943.5	2219.1
42.5°	2776.0	2783.2	2806.1	2733.5	2658.2	2687.6	2738.0	3207.9	3408.8	3249.1	2412.8
45°	2921.9	2927.8	2940.2	2898.4	2854.5	2933.0	2944.2	3447.4	3739.9	3592.0	2637.9
47.5°	3115.6	3110.4	3111.7	3080.9	3046.9	3173.9	3171.2	3649.0	4059.9	3967.7	2882.0
50°	3356.4	3366.3	3357.1	3296.2	3256.3	3372.2	3387.2	3872.1	4341.3	4339.4	3128.1
52.5°	3588.1	3592.0	3640.5	3643.1	3561.3	3537.1	3576.3	4097.2	4578.9	4679.7	3364.3
55°	3599.9	3614.9	3760.2	3864.9	3997.1	3802.8	3767.4	4311.9	4808.6	5012.7	3609.7
57.5°	3349.2	3373.5	3620.2	3845.9	4213.7	4258.9	4094.6	4589.3	5038.3	5340.6	3893.7
60°	2813.9	2864.3	3199.4	3544.9	4116.2	4586.7	4764.1	4966.3	5339.9	5675.7	4238.6
62.5°	1797.0	1816.6	2286.5	2865.0	3677.1	4554.7	5493.1	5630.5	5799.3	6112.1	4770.0
65°	899.8	962.6	1238.1	1710.0	2651.7	4013.5	5861.5	6847.0	6640.3	6859.5	5631.2
67.5°	610.6	630.8	770.2	1027.4	1554.9	2843.4	5633.1	7871.8	7811.0	7847.0	6549.3
70°	450.2	463.3	573.3	727.7	940.4	1614.4	4484.6	7794.6	8210.2	8197.1	6453.1
72.5°	328.5	335.1	418.2	555.6	696.9	835.0	2738.7	6296.7	7167.0	7544.6	5643.6
75°	238.9	246.7	290.6	415.5	541.8	520.9	1352.0	4548.1	5465.6	6192.0	4597.9
77.5°	178.0	187.8	208.1	260.5	379.6	373.0	584.4	2953.3	3535.1	4044.2	2793.0
80°	128.3	130.2	142.0	166.9	240.8	218.6	278.1	1539.8	1765.6	1934.4	1094.8
82.5°	77.9	79.8	94.9	102.7	149.2	137.4	144.6	498.7	714.6	758.5	409.0
85°	22.9	24.2	43.2	47.1	62.2	58.9	58.2	202.9	242.1	309.5	161.0
87.5°	0.0	0.0	0.0	0.0	0.7	3.9	7.2	36.0	54.3	75.3	39.3
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°	1056.2	1056.2	1056.2	1056.2	1056.2	1056.2	1056.2	1056.2	1056.2	1056.2	1056.2
2.5°	1067.3	1052.3	1044.4	1030.7	1020.9	1011.1	1001.2	992.1	988.2	982.3	983.6
5°	1086.3	1062.8	1039.2	1012.4	989.5	970.5	953.5	938.4	931.9	926.0	928.6
7.5°	1115.1	1079.8	1034.6	985.5	949.5	923.4	905.7	895.2	892.0	887.4	887.4
10°	1151.8	1098.7	1019.6	949.5	906.4	885.4	877.6	876.9	880.2	880.8	879.5
12.5°	1192.3	1117.1	997.3	907.0	870.4	863.8	869.7	880.8	892.0	897.8	896.5
15°	1234.2	1128.8	959.4	866.4	844.2	852.7	871.7	893.9	915.5	926.6	926.0
17.5°	1273.5	1131.5	910.3	827.2	821.3	842.9	875.6	910.3	939.7	955.4	956.1
20°	1317.3	1126.9	859.9	791.8	798.4	833.7	876.9	918.8	953.5	969.2	973.1
22.5°	1357.2	1111.2	810.8	758.5	778.7	822.6	866.4	905.7	936.5	951.5	956.7
25°	1393.2	1081.1	757.1	730.3	763.7	806.9	840.3	867.7	889.3	898.5	905.7
27.5°	1412.9	1035.9	716.6	708.1	749.3	784.6	803.0	811.5	818.7	816.0	821.3
30°	1416.8	979.6	681.2	690.4	727.7	753.9	757.8	749.3	736.9	716.6	721.2
32.5°	1412.9	914.9	651.8	671.4	703.5	719.2	714.0	691.7	661.6	630.2	632.2
35°	1414.2	849.4	627.6	650.5	675.3	683.9	670.8	640.0	607.9	579.1	577.8
37.5°	1428.6	794.4	607.3	630.2	647.9	649.2	634.8	602.7	586.3	564.8	562.1
40°	1468.5	753.9	589.0	609.9	621.0	620.4	604.0	581.1	592.2	585.0	583.1
42.5°	1533.9	729.0	573.9	588.3	596.2	597.5	584.4	570.0	594.2	585.0	581.8
45°	1639.3	727.7	563.4	566.7	579.1	588.3	579.1	562.8	572.0	527.5	518.9
47.5°	1764.3	749.9	555.6	547.7	569.3	585.7	571.3	545.1	526.1	485.6	479.7
50°	1914.8	795.1	548.4	527.5	554.9	575.9	561.5	525.5	496.7	475.1	471.8
52.5°	2093.4	854.7	539.2	504.5	533.3	570.6	561.5	523.5	485.6	465.9	462.7
55°	2280.6	923.4	528.8	477.1	509.1	572.0	566.1	509.8	477.1	466.6	464.0
57.5°	2512.9	1005.8	509.8	445.0	487.5	560.2	547.7	501.9	471.2	462.7	460.0
60°	2814.6	1128.2	473.8	412.3	462.7	539.2	531.4	488.8	455.5	448.3	446.3
62.5°	3292.3	1335.6	429.9	380.9	433.2	495.4	507.2	464.0	435.8	435.2	434.5
65°	4071.1	1585.0	378.2	352.7	402.5	459.4	475.1	438.5	415.5	422.7	422.1
67.5°	4616.8	1606.6	335.7	323.3	366.5	420.1	443.0	412.3	387.4	401.2	400.5
70°	4228.8	1253.2	299.1	292.5	327.9	377.6	408.3	379.6	354.7	367.8	365.2
72.5°	3566.5	960.7	264.4	260.5	288.6	333.1	363.8	346.8	320.7	320.7	314.8
75°	2866.3	792.5	227.7	225.8	244.7	287.9	322.6	293.8	269.6	268.3	264.4
77.5°	1643.9	519.6	191.1	189.8	195.7	240.8	250.6	244.7	226.4	217.9	215.3
80°	655.1	270.3	150.5	142.0	147.9	176.7	197.6	187.8	172.1	161.6	155.7
82.5°	253.9	135.5	106.0	92.9	101.4	127.6	143.3	140.0	129.6	106.0	99.5
85°	103.4	66.1	63.5	53.7	58.9	68.7	82.5	71.3	58.9	41.9	39.9
87.5°	27.5	24.2	23.6	14.4	11.1	3.3	0.7	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)