

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: P631341

Luminaire Tested: GWS-SA1F-740-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631341
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-SA1F-740-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8358.8 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

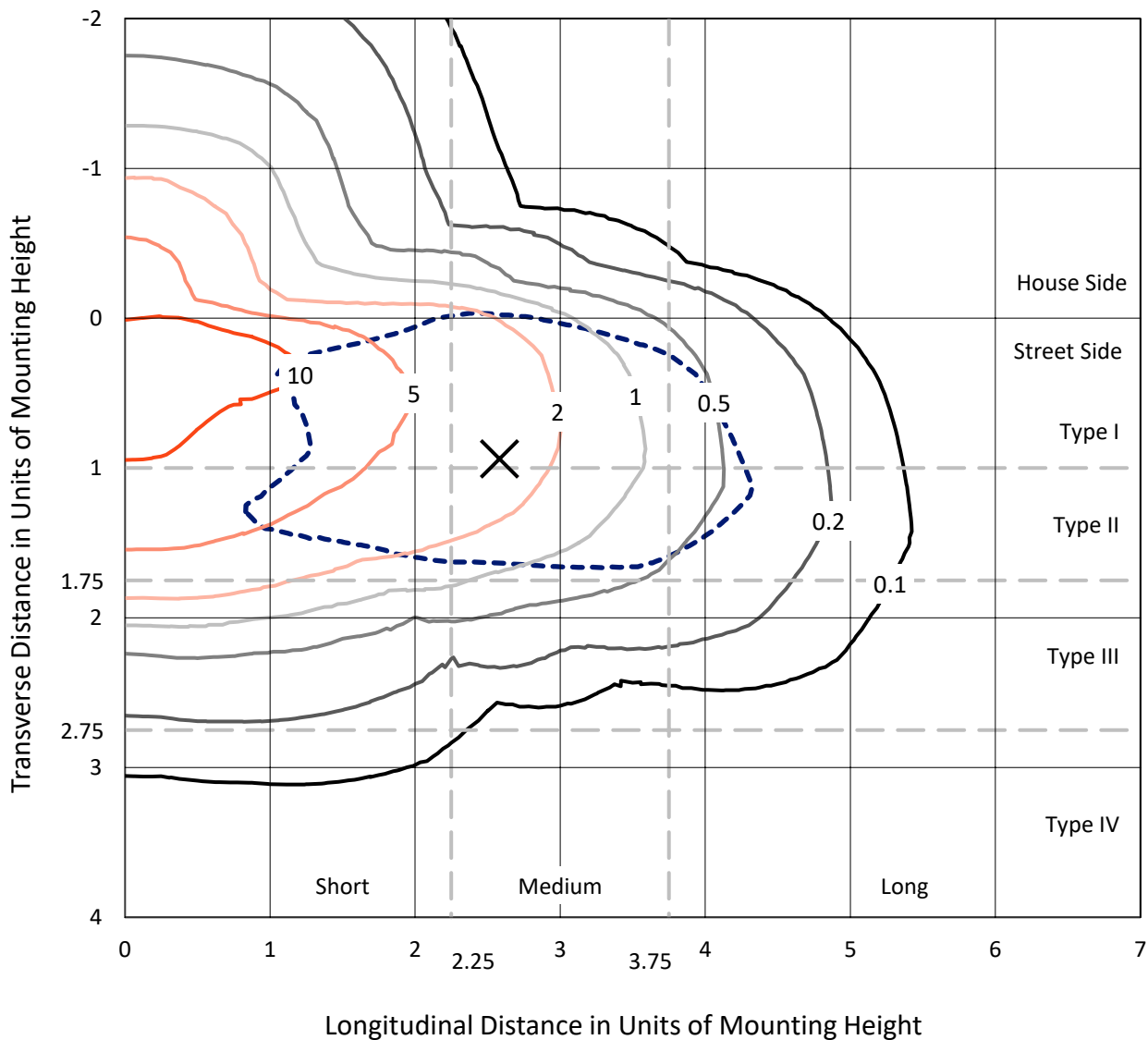
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

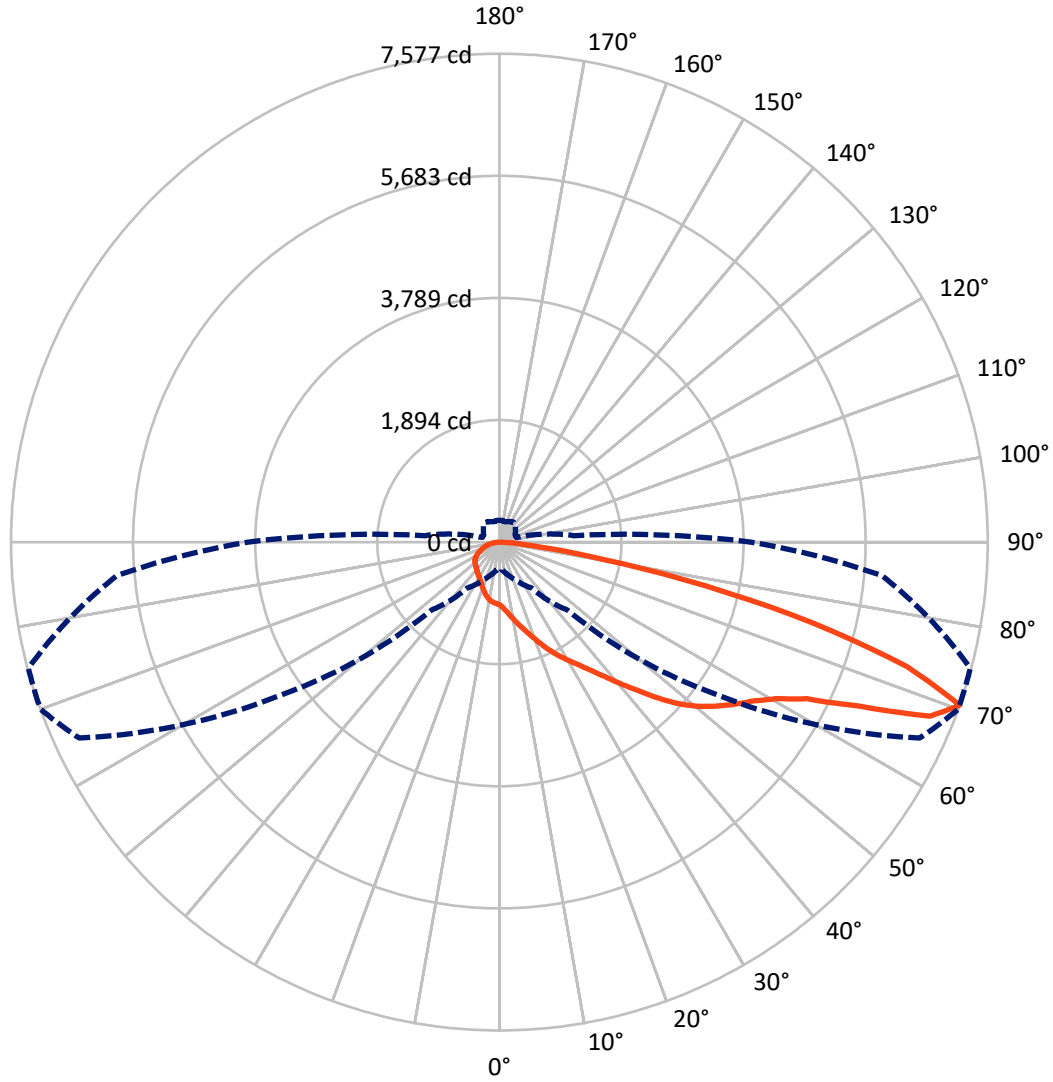
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.1 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	1497.9	0.0	1497.9
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	6860.9	0.0	6860.9
	% Fixture	82.1	0.0	82.1
Total	Lumens	8358.8	0.0	8358.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.1	1.2
10°-20°	322.3	3.9
20°-30°	571.0	6.8
30°-40°	859.3	10.3
40°-50°	1300.0	15.6
50°-60°	1862.4	22.3
60°-70°	2058.7	24.6
70°-80°	1161.8	13.9
80°-90°	124.3	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°	8358.8	100.0
0°-180°	8358.8	100.0

Coefficient of Utilization



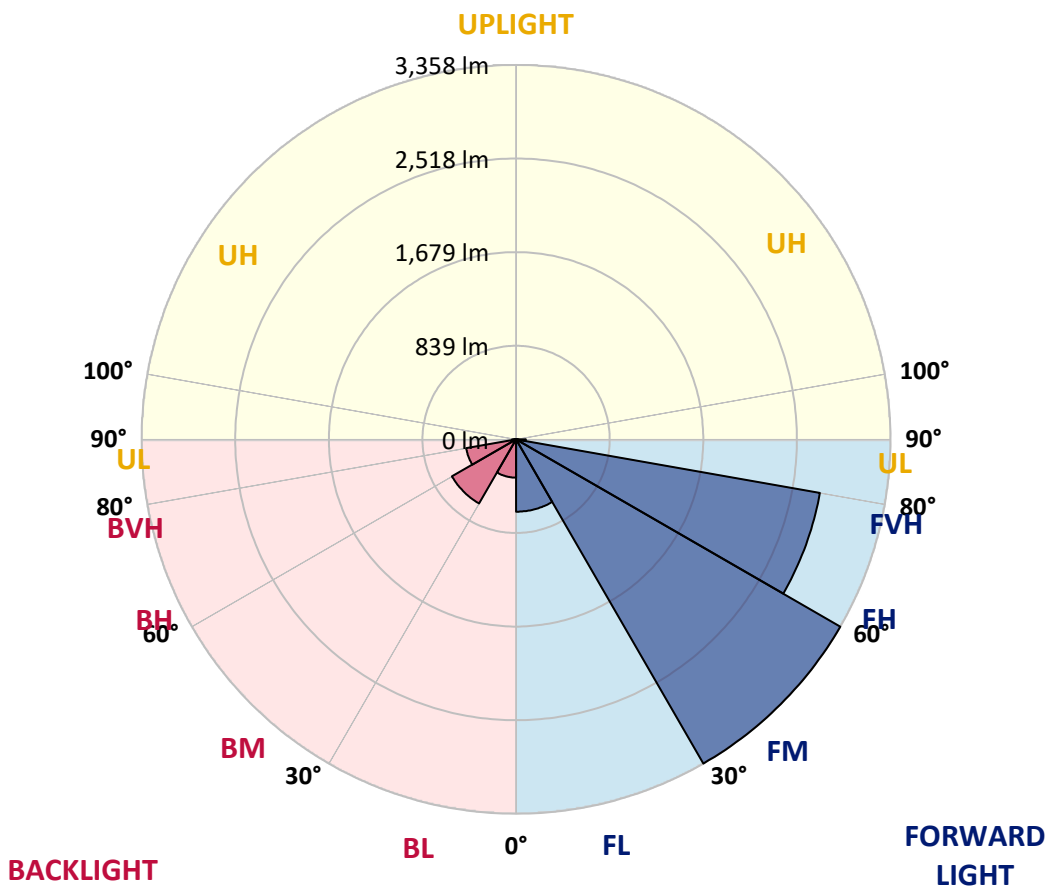
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	648.9	7.8			
FM (30°-60°)	3357.7	40.2			
FH (60°-80°)	2766.4	33.1			G2/5000
FVH (80°-90°)	87.8	1.1			G1/100
BL (0°-30°)	343.5	4.1	B1/500		
BM (30°-60°)	664.0	7.9	B1/1000		
BH (60°-80°)	454.0	5.4	B1/500		G1/500
BVH (80°-90°)	36.4	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°	974.8	974.8	974.8	974.8	974.8	974.8	974.8	974.8	974.8	974.8	974.8
2.5°	1079.9	1078.1	1079.3	1078.1	1071.4	1055.1	1041.8	1024.9	1013.5	1006.8	991.1
5°	1206.7	1204.9	1200.7	1194.7	1182.6	1160.2	1127.0	1090.2	1067.8	1050.9	1017.7
7.5°	1297.9	1297.9	1297.3	1290.1	1281.6	1258.1	1218.8	1170.5	1137.9	1108.9	1054.5
10°	1344.4	1347.5	1351.7	1362.0	1360.1	1347.5	1310.6	1258.7	1217.6	1183.8	1102.9
12.5°	1369.8	1371.6	1378.9	1400.0	1421.7	1424.8	1403.0	1348.7	1304.0	1258.7	1156.6
15°	1402.4	1403.0	1412.7	1438.1	1470.1	1502.1	1496.6	1442.3	1396.4	1346.3	1216.4
17.5°	1427.8	1432.0	1449.5	1479.1	1519.0	1563.1	1589.7	1555.8	1499.1	1441.7	1281.6
20°	1436.8	1439.9	1462.8	1508.1	1562.5	1624.7	1683.9	1674.8	1617.4	1549.8	1355.3
22.5°	1469.5	1469.5	1486.4	1524.4	1588.4	1679.0	1775.1	1798.6	1747.9	1668.8	1434.4
25°	1541.3	1538.9	1546.8	1562.5	1610.8	1722.5	1865.1	1935.7	1879.0	1790.2	1513.6
27.5°	1639.8	1638.6	1638.0	1640.4	1656.7	1760.6	1941.2	2063.8	2007.0	1906.7	1584.2
30°	1746.7	1743.1	1750.9	1743.7	1740.0	1805.9	2005.8	2178.5	2134.4	2022.1	1642.8
32.5°	1892.2	1885.6	1883.8	1860.2	1845.7	1876.5	2057.7	2309.0	2274.0	2146.5	1708.6
35°	2084.3	2078.3	2047.5	2010.0	1967.1	1981.6	2122.4	2436.4	2438.8	2302.3	1795.0
37.5°	2278.2	2279.4	2255.2	2167.0	2123.0	2114.5	2220.8	2591.6	2643.6	2488.4	1906.7
40°	2439.4	2446.7	2446.7	2353.7	2287.8	2280.0	2359.1	2775.9	2879.1	2716.7	2048.1
42.5°	2562.0	2568.7	2589.8	2522.8	2453.3	2480.5	2527.0	2960.7	3146.1	2998.7	2226.8
45°	2696.7	2702.2	2713.6	2675.0	2634.5	2707.0	2717.3	3181.7	3451.7	3315.2	2434.6
47.5°	2875.5	2870.7	2871.9	2843.5	2812.1	2929.3	2926.8	3367.7	3747.0	3661.9	2659.9
50°	3097.8	3106.8	3098.4	3042.2	3005.4	3112.3	3126.2	3573.7	4006.7	4004.9	2887.0
52.5°	3311.6	3315.2	3359.9	3362.3	3286.8	3264.5	3300.7	3781.5	4226.0	4319.0	3105.0
55°	3322.4	3336.3	3470.4	3567.1	3689.1	3509.7	3477.1	3979.6	4438.0	4626.4	3331.5
57.5°	3091.1	3113.5	3341.2	3549.5	3889.0	3930.6	3779.0	4235.6	4650.0	4929.0	3593.6
60°	2597.1	2643.6	2952.8	3271.7	3799.0	4233.2	4396.9	4583.5	4928.4	5238.2	3911.9
62.5°	1658.5	1676.6	2110.3	2644.2	3393.7	4203.6	5069.7	5196.6	5352.4	5641.1	4402.3
65°	830.5	888.4	1142.7	1578.2	2447.3	3704.2	5409.8	6319.3	6128.5	6330.8	5197.2
67.5°	563.5	582.2	710.9	948.2	1435.0	2624.3	5199.0	7265.2	7209.0	7242.2	6044.5
70°	415.5	427.6	529.1	671.6	867.9	1490.0	4139.0	7193.9	7577.4	7565.3	5955.8
72.5°	303.2	309.2	385.9	512.8	643.2	770.7	2527.6	5811.4	6614.7	6963.2	5208.6
75°	220.4	227.7	268.2	383.5	500.1	480.8	1247.8	4197.6	5044.4	5714.8	4243.5
77.5°	164.3	173.3	192.1	240.4	350.3	344.3	539.3	2725.7	3262.7	3732.5	2577.7
80°	118.4	120.2	131.1	154.0	222.3	201.7	256.7	1421.1	1629.5	1785.3	1010.4
82.5°	71.9	73.7	87.6	94.8	137.7	126.8	133.5	460.2	659.5	700.0	377.5
85°	21.1	22.3	39.9	43.5	57.4	54.4	53.8	187.2	223.5	285.7	148.6
87.5°	0.0	0.0	0.0	0.0	0.6	3.6	6.6	33.2	50.1	69.5	36.2
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°	974.8	974.8	974.8	974.8	974.8	974.8	974.8	974.8	974.8	974.8	974.8
2.5°	985.1	971.2	963.9	951.3	942.2	933.1	924.1	915.6	912.0	906.6	907.8
5°	1002.6	980.8	959.1	934.3	913.2	895.7	880.0	866.1	860.1	854.6	857.0
7.5°	1029.2	996.6	954.9	909.6	876.4	852.2	835.9	826.2	823.2	819.0	819.0
10°	1063.0	1014.1	941.0	876.4	836.5	817.2	809.9	809.3	812.3	812.9	811.7
12.5°	1100.4	1031.0	920.5	837.1	803.3	797.2	802.7	812.9	823.2	828.6	827.4
15°	1139.1	1041.8	885.4	799.7	779.1	787.0	804.5	825.0	845.0	855.2	854.6
17.5°	1175.3	1044.3	840.1	763.4	758.0	777.9	808.1	840.1	867.3	881.8	882.4
20°	1215.8	1040.0	793.6	730.8	736.8	769.5	809.3	848.0	880.0	894.5	898.1
22.5°	1252.6	1025.5	748.3	700.0	718.7	759.2	799.7	835.9	864.3	878.2	883.0
25°	1285.9	997.8	698.8	674.0	704.8	744.7	775.5	800.9	820.8	829.3	835.9
27.5°	1304.0	956.1	661.3	653.5	691.5	724.2	741.1	748.9	755.6	753.2	758.0
30°	1307.6	904.1	628.7	637.2	671.6	695.8	699.4	691.5	680.1	661.3	665.6
32.5°	1304.0	844.4	601.6	619.7	649.3	663.8	658.9	638.4	610.6	581.6	583.4
35°	1305.2	784.0	579.2	600.3	623.3	631.1	619.1	590.7	561.1	534.5	533.3
37.5°	1318.5	733.2	560.5	581.6	597.9	599.1	585.9	556.3	541.2	521.2	518.8
40°	1355.3	695.8	543.6	562.9	573.2	572.6	557.5	536.3	546.6	540.0	538.1
42.5°	1415.7	672.8	529.7	543.0	550.2	551.4	539.3	526.1	548.4	540.0	536.9
45°	1512.9	671.6	520.0	523.0	534.5	543.0	534.5	519.4	527.9	486.8	478.9
47.5°	1628.3	692.2	512.8	505.5	525.5	540.6	527.3	503.1	485.6	448.1	442.7
50°	1767.2	733.8	506.1	486.8	512.2	531.5	518.2	485.0	458.4	438.5	435.5
52.5°	1932.1	788.8	497.7	465.7	492.2	526.7	518.2	483.2	448.1	430.0	427.0
55°	2104.8	852.2	488.0	440.3	469.9	527.9	522.4	470.5	440.3	430.6	428.2
57.5°	2319.2	928.3	470.5	410.7	450.0	517.0	505.5	463.2	434.9	427.0	424.6
60°	2597.7	1041.2	437.3	380.5	427.0	497.7	490.4	451.2	420.4	413.7	411.9
62.5°	3038.6	1232.7	396.8	351.5	399.8	457.2	468.1	428.2	402.2	401.6	401.0
65°	3757.3	1462.8	349.1	325.5	371.4	424.0	438.5	404.7	383.5	390.2	389.6
67.5°	4261.0	1482.7	309.8	298.4	338.2	387.7	408.9	380.5	357.6	370.2	369.6
70°	3902.9	1156.6	276.0	270.0	302.6	348.5	376.9	350.3	327.4	339.4	337.0
72.5°	3291.6	886.6	244.0	240.4	266.4	307.4	335.8	320.1	295.9	295.9	290.5
75°	2645.4	731.4	210.2	208.4	225.9	265.7	297.8	271.2	248.8	247.6	244.0
77.5°	1517.2	479.6	176.4	175.2	180.6	222.3	231.3	225.9	209.0	201.1	198.7
80°	604.6	249.4	138.9	131.1	136.5	163.1	182.4	173.3	158.8	149.2	143.7
82.5°	234.3	125.0	97.8	85.8	93.6	117.8	132.3	129.2	119.6	97.8	91.8
85°	95.4	61.0	58.6	49.5	54.4	63.4	76.1	65.8	54.4	38.7	36.8
87.5°	25.4	22.3	21.7	13.3	10.3	3.0	0.6	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)