

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: P630640

Luminaire Tested: GWS-SA1E-722-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630640
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-722-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5391.4 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

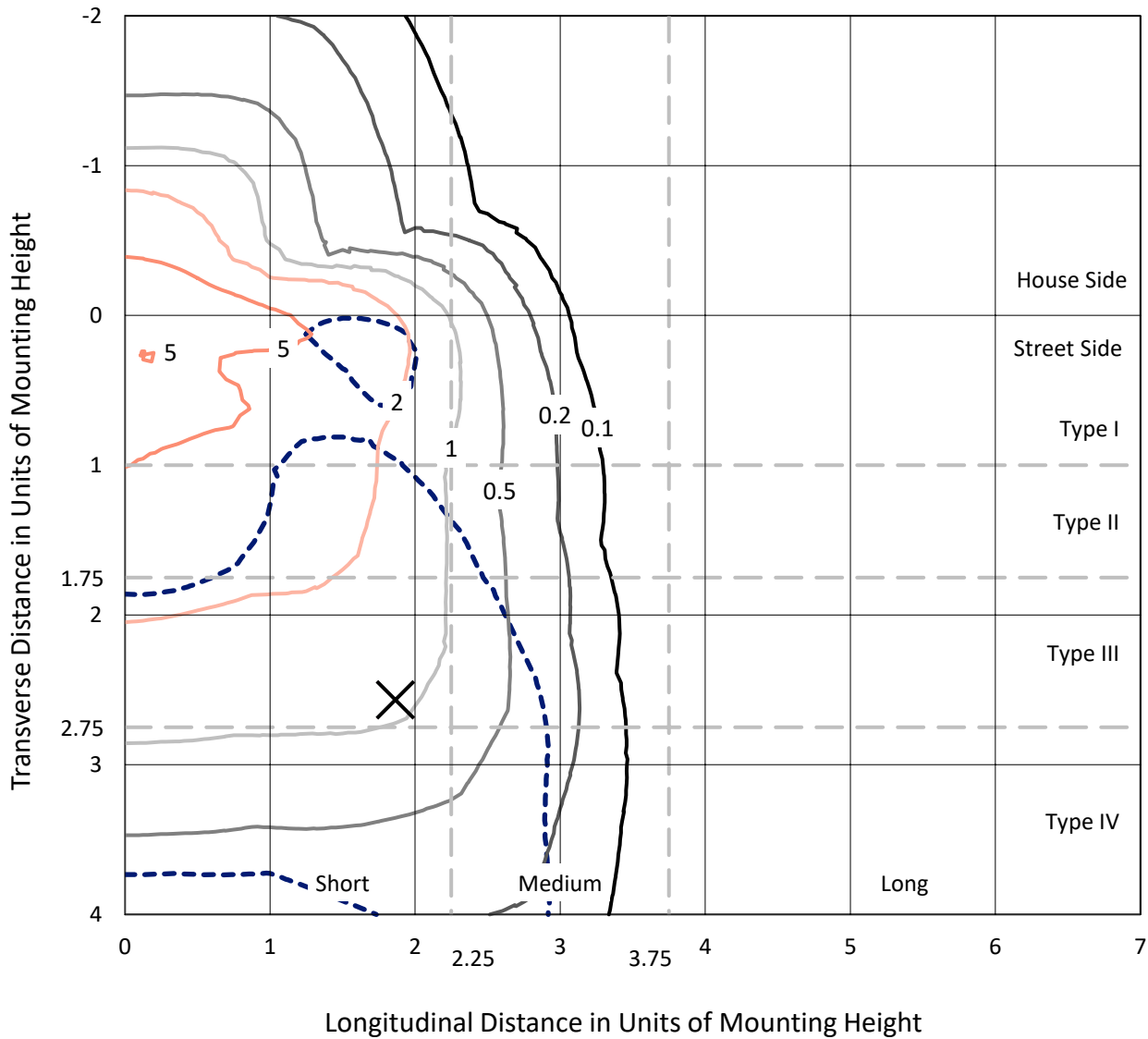
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

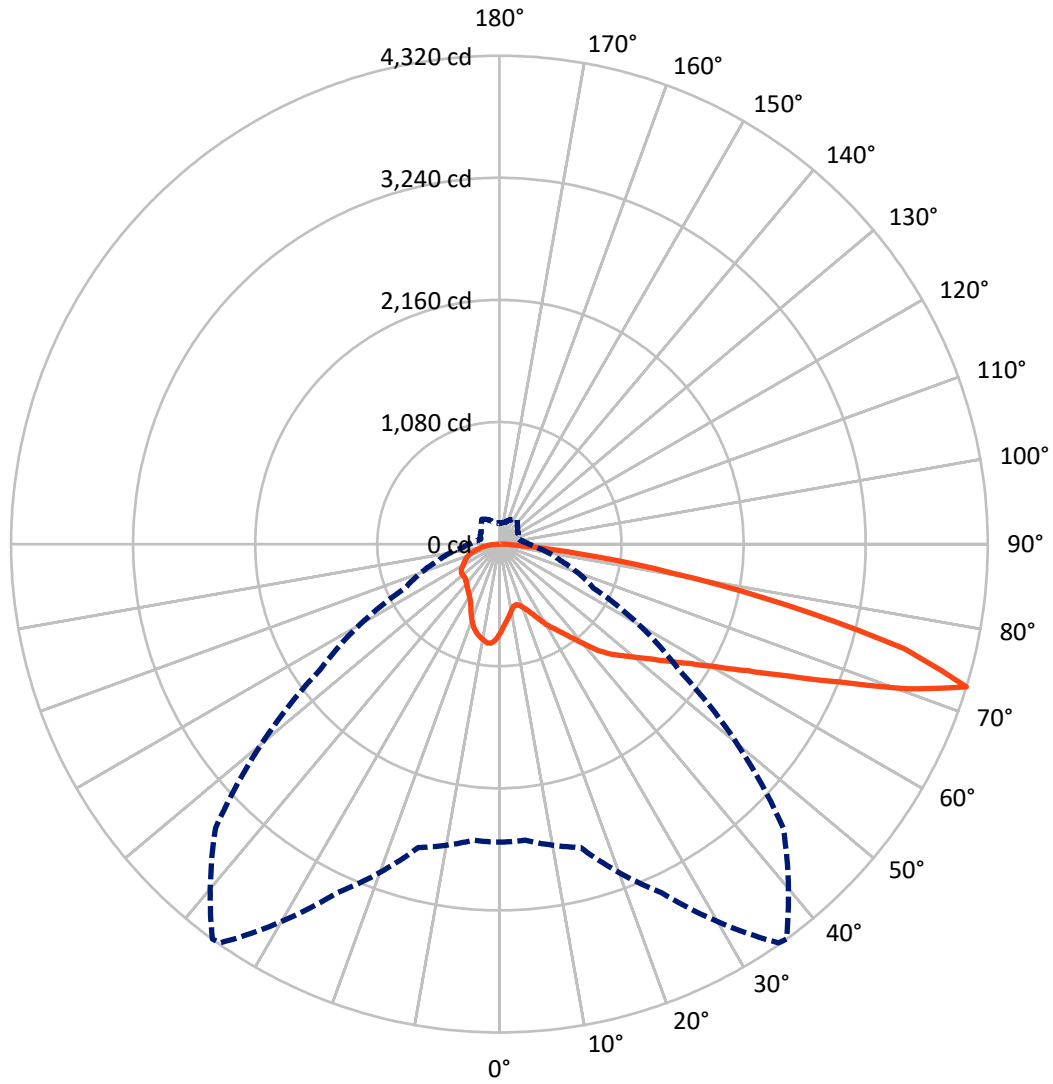
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1242.9	0.0	1242.9
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	4148.4	0.0	4148.4
	% Fixture	76.9	0.0	76.9
Total	Lumens	5391.4	0.0	5391.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	1.4
10°-20°	208.1	3.9
20°-30°	344.6	6.4
30°-40°	516.1	9.6
40°-50°	752.9	14.0
50°-60°	1071.7	19.9
60°-70°	1354.0	25.1
70°-80°	964.9	17.9
80°-90°	105.3	2.0
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°	5391.4	100.0
0°-180°	5391.4	100.0

Coefficient of Utilization



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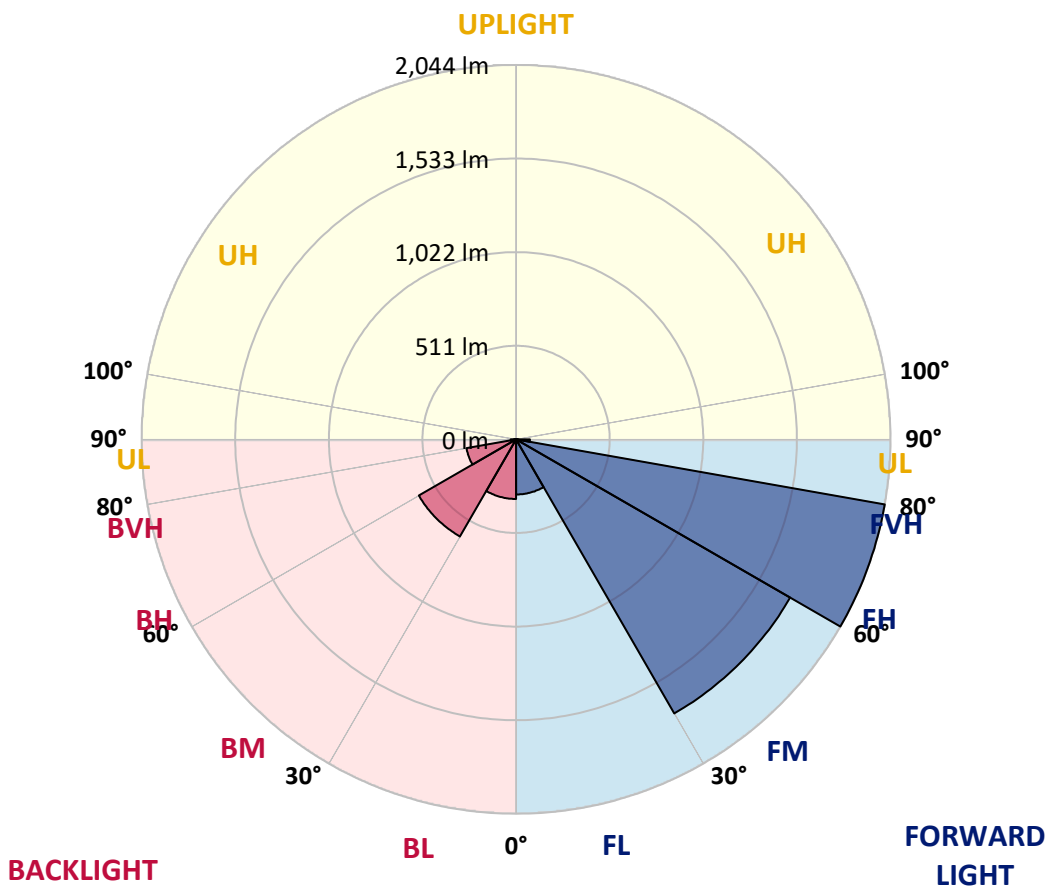
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	301.0	5.6			
FM (30°-60°)	1727.8	32.0			
FH (60°-80°)	2044.1	37.9			G2/5000
FVH (80°-90°)	75.6	1.4			G1/100
BL (0°-30°)	325.5	6.0	B1/500		
BM (30°-60°)	612.9	11.4	B1/1000		
BH (60°-80°)	274.8	5.1	B1/500		G1/500
BVH (80°-90°)	29.7	0.6			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	789.1	789.1	789.1	789.1	789.1	789.1	789.1	789.1	789.1	789.1	789.1
2.5°	719.8	718.6	716.2	723.4	730.6	729.8	739.8	749.4	759.8	770.6	785.1
5°	662.2	661.4	659.4	670.2	681.0	680.6	697.0	712.6	733.8	757.0	785.9
7.5°	604.6	602.6	605.4	619.0	634.2	635.8	658.2	683.8	714.6	749.4	790.3
10°	553.8	553.4	554.6	569.8	592.6	594.2	623.0	658.6	699.4	745.8	800.3
12.5°	540.6	539.8	536.6	544.2	561.4	563.8	595.4	639.0	689.0	747.8	813.9
15°	562.2	560.2	549.0	545.4	553.8	555.8	582.6	627.4	683.0	751.4	831.1
17.5°	599.4	598.2	577.0	562.2	567.8	569.4	589.4	625.4	681.4	758.6	852.3
20°	653.8	648.6	615.4	593.0	593.0	595.4	607.4	634.2	683.4	767.4	876.3
22.5°	725.8	715.4	668.6	638.2	630.2	633.4	638.6	656.2	691.8	782.3	906.3
25°	806.7	797.1	741.4	698.6	687.4	688.6	684.2	687.4	710.2	802.7	943.5
27.5°	892.7	886.3	827.1	772.7	755.0	755.0	739.4	731.8	735.8	825.9	985.1
30°	969.5	960.7	910.7	851.1	827.9	827.9	798.3	781.9	772.3	854.3	1040.7
32.5°	1009.9	1004.7	971.5	925.9	897.5	893.1	867.5	848.3	825.9	896.3	1116.0
35°	1062.7	1061.5	1041.5	1005.9	969.9	963.5	945.9	930.7	891.9	948.7	1216.0
37.5°	1129.2	1127.2	1124.0	1102.8	1059.5	1058.3	1042.7	1024.3	973.9	1024.3	1337.2
40°	1203.6	1200.0	1196.0	1195.6	1169.6	1165.2	1164.0	1143.2	1072.7	1115.6	1463.7
42.5°	1306.0	1293.6	1256.0	1272.8	1292.0	1288.0	1303.2	1272.0	1196.0	1224.0	1583.3
45°	1432.1	1401.7	1327.2	1332.0	1380.4	1388.4	1441.3	1433.7	1331.6	1349.2	1709.4
47.5°	1507.7	1481.3	1412.1	1408.1	1468.5	1478.5	1593.3	1607.7	1477.7	1500.1	1865.0
50°	1569.7	1551.3	1494.5	1500.1	1564.1	1574.1	1744.2	1775.0	1615.3	1654.5	2045.9
52.5°	1644.5	1618.1	1574.1	1600.5	1678.9	1690.9	1911.8	1945.0	1739.4	1824.2	2233.1
55°	1686.5	1675.7	1676.5	1717.0	1815.4	1831.8	2087.5	2081.9	1853.0	1969.4	2374.0
57.5°	1783.4	1779.4	1816.2	1831.4	1974.6	1995.8	2263.1	2215.1	1956.2	2081.9	2441.6
60°	1954.2	1944.2	1976.2	1999.4	2171.5	2201.5	2459.2	2345.6	2026.3	2165.5	2418.8
62.5°	2194.3	2181.9	2183.1	2219.9	2435.2	2466.8	2677.3	2454.4	2047.9	2178.3	2274.3
65°	2492.8	2474.8	2454.4	2504.4	2785.3	2811.7	2914.5	2533.6	1996.2	2055.1	1972.6
67.5°	2807.7	2792.9	2768.9	2873.7	3238.6	3254.7	3180.6	2526.8	1832.6	1725.4	1383.6
70°	2826.1	2829.7	2943.4	3322.7	3830.4	3834.4	3432.3	2390.0	1484.1	1118.4	689.4
72.5°	2636.5	2630.5	2778.5	3404.7	4306.6	4320.2	3551.2	1936.2	917.1	557.8	323.3
75°	2141.5	2151.9	2307.5	2979.0	3691.2	3703.2	2894.9	1141.6	435.7	272.9	206.9
77.5°	921.9	979.9	1286.8	2098.7	2643.7	2606.4	1492.1	462.5	232.5	194.5	158.5
80°	266.1	288.9	458.5	997.9	1584.1	1556.1	590.6	173.3	162.1	146.0	113.6
82.5°	86.0	95.2	168.1	397.3	709.8	709.0	224.1	102.4	106.0	99.2	73.2
85°	24.0	27.6	51.6	120.4	219.7	215.3	64.8	48.4	56.4	57.2	36.4
87.5°	0.0	0.0	0.4	0.8	0.8	0.8	1.6	7.2	16.4	20.8	14.8
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°	789.1	789.1	789.1	789.1	789.1	789.1	789.1	789.1	789.1	789.1	789.1
2.5°	793.9	792.7	809.1	821.9	833.9	841.9	844.3	845.9	849.1	850.7	849.1
5°	799.5	805.5	832.7	852.7	868.7	878.3	878.7	877.9	880.3	878.3	877.1
7.5°	811.5	823.1	857.5	878.7	889.1	889.5	879.9	868.7	863.1	858.3	856.7
10°	827.5	844.7	882.3	896.3	893.1	878.3	857.1	839.5	829.5	822.3	820.7
12.5°	849.5	868.7	904.3	903.9	883.9	857.5	832.7	811.5	797.1	788.7	785.9
15°	870.3	894.7	920.3	901.5	869.9	837.9	805.9	777.5	758.2	745.0	742.6
17.5°	895.9	921.9	931.9	893.9	852.3	811.1	768.2	731.0	705.0	689.4	688.2
20°	925.5	948.7	937.5	880.7	829.5	775.5	717.4	675.8	647.8	632.6	633.8
22.5°	959.9	976.7	939.1	862.7	797.9	725.0	660.2	620.2	601.4	593.4	593.8
25°	996.7	1007.5	936.3	838.3	749.4	663.4	601.4	583.0	581.4	579.4	580.2
27.5°	1040.3	1037.9	927.9	803.9	684.2	591.8	560.2	565.0	571.4	570.6	571.4
30°	1098.8	1075.9	917.1	756.2	606.6	531.8	535.8	549.4	557.8	558.6	561.0
32.5°	1165.6	1118.0	899.9	691.4	532.6	498.2	513.0	529.4	539.4	541.4	544.6
35°	1245.2	1166.0	869.5	610.6	479.4	478.2	491.8	503.0	513.8	514.6	514.6
37.5°	1336.8	1214.0	821.1	521.4	446.5	460.9	473.8	476.2	479.0	476.6	477.8
40°	1420.9	1260.4	752.2	440.1	419.7	445.7	456.5	448.5	439.7	433.7	434.9
42.5°	1491.3	1292.0	661.0	383.3	392.5	432.1	440.5	424.1	406.9	395.7	397.3
45°	1570.5	1321.2	553.8	344.9	369.3	422.5	428.1	406.9	384.9	368.1	365.7
47.5°	1679.7	1380.8	458.5	318.1	352.9	417.3	426.5	397.7	368.9	343.7	340.9
50°	1814.6	1465.3	378.9	300.5	345.3	414.5	426.1	387.7	353.3	323.7	321.7
52.5°	1961.8	1547.7	320.1	286.9	337.7	406.1	424.1	376.5	336.9	304.9	302.5
55°	2059.9	1580.1	280.5	274.1	325.3	392.9	416.1	365.7	312.1	282.9	279.3
57.5°	2088.7	1538.5	252.9	262.5	309.3	374.5	400.9	342.9	296.9	273.7	270.9
60°	2039.1	1433.7	235.7	252.9	291.7	350.9	374.5	329.7	284.9	264.1	262.1
62.5°	1899.0	1272.0	222.5	242.9	273.7	326.1	357.7	313.7	271.7	255.3	252.5
65°	1617.3	1043.1	211.7	232.5	256.5	302.5	339.3	297.7	257.3	244.9	241.7
67.5°	1131.2	732.6	200.1	220.1	239.3	279.7	320.1	282.9	242.5	233.3	230.1
70°	553.0	388.5	186.1	205.7	220.9	256.5	300.9	264.9	222.9	217.7	213.3
72.5°	263.3	217.3	169.7	186.1	195.7	225.7	268.9	238.9	199.7	188.5	180.9
75°	176.5	154.5	148.0	162.9	165.3	189.3	230.5	206.1	176.1	163.3	156.9
77.5°	133.6	118.0	124.4	137.6	132.8	155.7	189.7	183.7	158.9	147.2	144.0
80°	94.0	86.0	98.8	106.8	103.2	132.4	170.9	157.3	130.8	118.0	115.6
82.5°	59.2	57.6	72.8	74.0	75.2	104.8	140.4	123.6	101.6	83.6	77.6
85°	29.6	32.8	43.6	43.6	43.2	54.0	80.0	69.6	54.8	43.6	42.4
87.5°	10.0	14.0	18.8	15.2	11.6	9.2	10.4	12.8	13.6	13.2	13.2
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)