

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: P630634

Luminaire Tested: GWS-SA1E-722-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630634
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-722-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5585.4 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

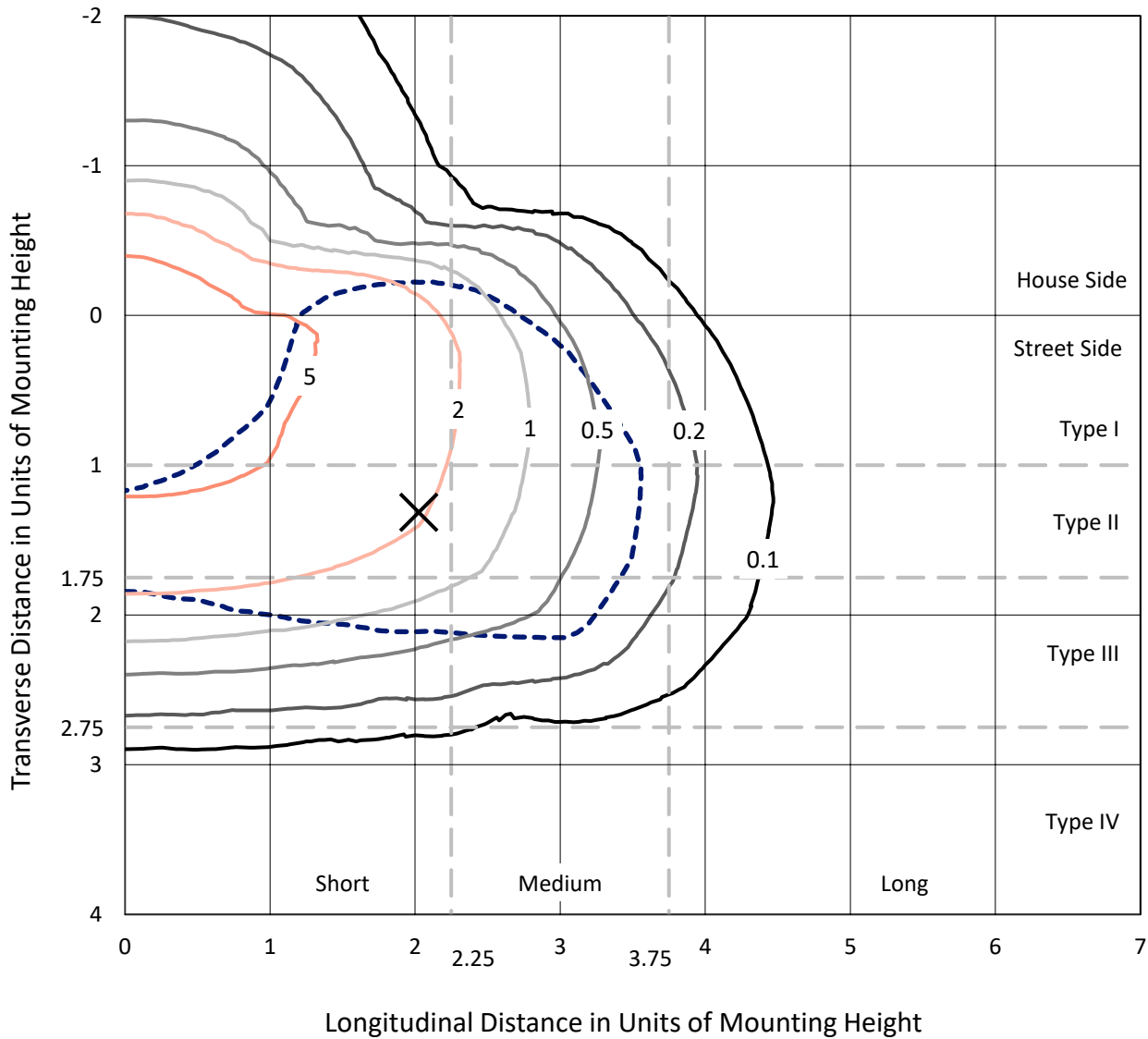
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

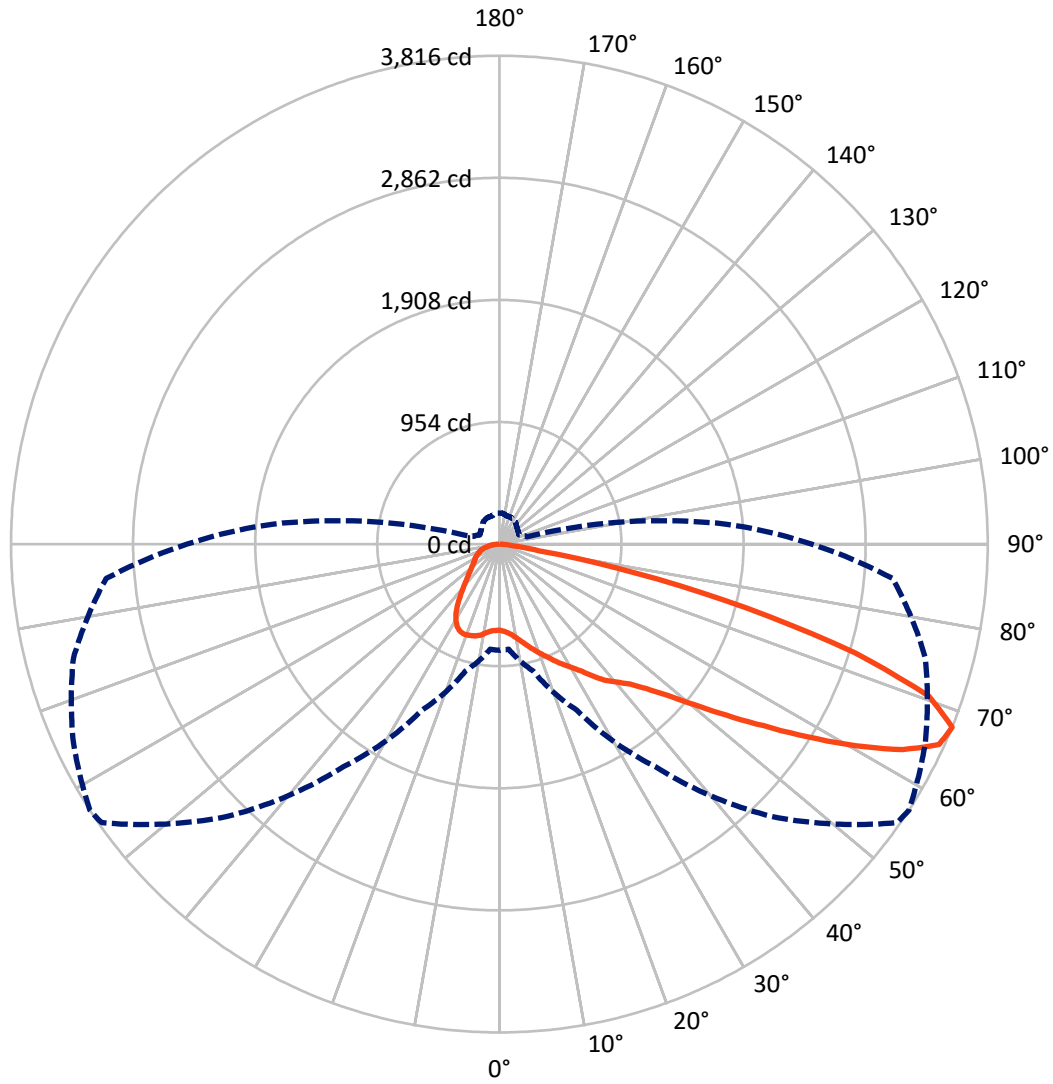
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1228.0	0.0	1228.0
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	4357.4	0.0	4357.4
	% Fixture	78.0	0.0	78.0
Total	Lumens	5585.4	0.0	5585.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.7	1.2
10°-20°	221.0	4.0
20°-30°	393.9	7.1
30°-40°	572.7	10.3
40°-50°	829.0	14.8
50°-60°	1297.3	23.2
60°-70°	1513.4	27.1
70°-80°	631.7	11.3
80°-90°	59.6	1.1
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°	5585.4	100.0
0°-180°	5585.4	100.0

Coefficient of Utilization



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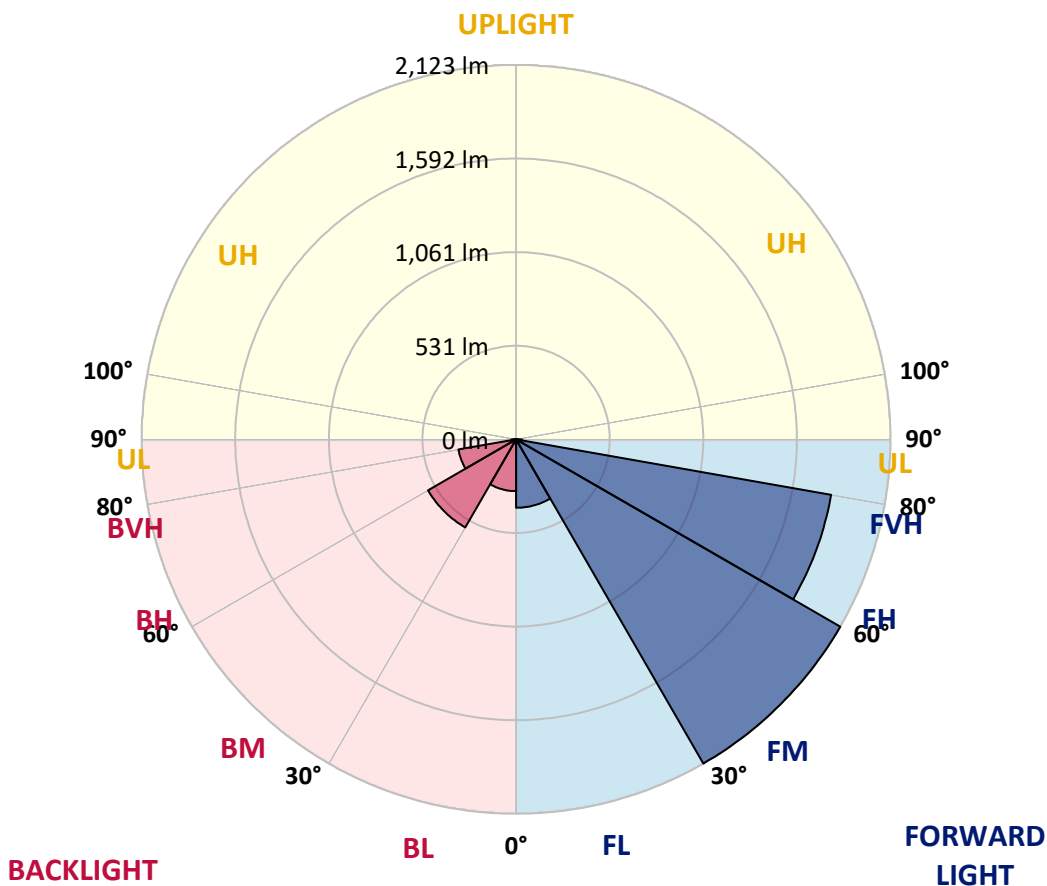
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	388.0	6.9			
FM (30°-60°)	2122.5	38.0			
FH (60°-80°)	1813.7	32.5			G2/5000
FVH (80°-90°)	33.2	0.6			G1/100
BL (0°-30°)	293.7	5.3	B1/500		
BM (30°-60°)	576.5	10.3	B1/1000		
BH (60°-80°)	331.5	5.9	B1/500		G1/500
BVH (80°-90°)	26.4	0.5			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	673.0	673.0	673.0	673.0	673.0	673.0	673.0	673.0	673.0	673.0	673.0
2.5°	682.6	681.8	681.4	683.8	683.0	682.6	682.6	682.2	681.4	678.2	673.8
5°	701.4	699.8	698.2	700.2	698.6	697.0	696.6	695.8	693.0	688.2	681.4
7.5°	721.0	719.4	719.8	721.0	719.8	719.0	717.8	717.0	712.6	705.0	695.8
10°	748.6	748.6	749.4	750.6	751.0	749.8	747.4	746.2	741.0	731.4	718.6
12.5°	788.6	787.8	787.8	787.0	788.2	787.0	784.6	782.6	776.2	763.8	745.4
15°	841.5	838.3	835.5	830.3	828.6	824.2	825.0	823.8	817.8	801.0	777.8
17.5°	897.9	897.5	893.1	882.7	872.3	865.1	866.7	866.3	863.1	840.3	810.6
20°	947.5	949.5	945.5	937.5	923.5	909.9	909.1	911.1	907.1	884.3	843.1
22.5°	1003.1	1001.5	997.5	987.1	976.7	962.3	957.5	955.9	954.3	928.3	876.3
25°	1055.9	1060.7	1055.5	1045.9	1029.9	1014.3	1010.3	1011.9	1007.5	973.1	911.9
27.5°	1122.7	1124.7	1121.5	1108.3	1094.7	1072.7	1065.1	1065.1	1063.5	1015.1	939.9
30°	1194.0	1199.6	1194.0	1183.2	1169.2	1137.5	1121.1	1119.5	1114.7	1058.3	972.7
32.5°	1265.6	1269.6	1265.6	1255.2	1239.2	1211.6	1188.0	1184.4	1178.0	1105.5	1006.3
35°	1329.2	1332.8	1332.0	1334.4	1321.2	1286.4	1272.0	1270.4	1253.6	1167.2	1051.9
37.5°	1398.8	1403.2	1397.2	1402.0	1396.8	1364.0	1359.6	1351.6	1327.6	1225.2	1099.9
40°	1478.0	1482.0	1472.4	1474.4	1468.4	1450.0	1427.6	1416.8	1381.2	1288.0	1175.6
42.5°	1562.9	1572.1	1576.5	1572.9	1558.9	1548.5	1509.3	1495.7	1466.0	1401.2	1300.0
45°	1685.7	1699.3	1705.7	1696.5	1690.5	1675.7	1627.7	1611.3	1595.7	1560.9	1473.6
47.5°	1818.1	1830.6	1851.0	1855.0	1859.8	1848.6	1780.9	1764.9	1767.7	1763.7	1687.3
50°	1923.8	1934.2	1980.2	2029.4	2070.2	2073.4	1987.0	1969.8	1985.0	1997.8	1944.6
52.5°	2000.6	2009.8	2070.6	2172.3	2264.7	2333.1	2239.9	2220.3	2232.7	2261.5	2237.1
55°	2063.0	2075.8	2139.4	2295.5	2482.3	2590.4	2530.8	2506.0	2500.8	2536.4	2550.4
57.5°	2095.8	2099.8	2189.1	2391.9	2642.0	2842.9	2868.9	2840.9	2791.2	2810.8	2883.7
60°	2021.0	2027.8	2149.8	2416.7	2768.0	3093.3	3223.8	3200.6	3094.9	3105.7	3186.2
62.5°	1814.1	1823.7	1970.6	2298.7	2778.4	3260.6	3551.5	3536.7	3395.0	3336.6	3360.6
65°	1455.2	1458.4	1610.5	2006.6	2571.6	3281.4	3779.9	3776.3	3604.7	3467.8	3365.0
67.5°	829.8	824.2	1027.5	1431.2	2122.2	3010.9	3794.7	3815.9	3672.7	3446.2	3084.9
70°	359.7	360.5	454.1	706.2	1373.6	2433.5	3524.7	3561.1	3475.8	3086.5	2454.3
72.5°	166.5	168.9	209.3	305.7	586.6	1509.7	2874.1	2906.9	2833.7	2470.3	1785.7
75°	117.6	119.6	139.6	175.3	269.7	588.2	1922.6	1991.4	2027.0	1847.8	1176.8
77.5°	89.2	92.0	102.0	121.6	166.5	208.5	919.9	1083.9	1291.2	1149.5	606.2
80°	56.8	56.8	67.6	81.2	101.6	108.4	265.7	314.9	631.8	473.7	238.1
82.5°	38.4	39.6	46.0	51.6	58.4	61.6	114.0	121.6	182.5	161.2	98.0
85°	20.4	21.2	24.0	23.6	28.0	24.4	48.0	47.6	66.8	73.2	37.2
87.5°	0.0	0.0	0.4	0.4	0.8	1.2	5.2	5.6	14.0	22.4	12.4
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°	673.0	673.0	673.0	673.0	673.0	673.0	673.0	673.0	673.0	673.0	673.0
2.5°	676.2	671.4	673.8	673.0	675.4	675.4	671.0	669.8	670.2	665.4	663.8
5°	682.2	676.6	677.8	676.2	678.6	680.6	678.6	678.6	681.0	677.4	675.4
7.5°	695.8	689.4	689.4	687.4	690.2	691.8	690.2	692.6	697.0	693.4	691.4
10°	717.4	709.8	710.2	707.8	709.0	708.2	701.8	699.8	701.0	697.8	696.2
12.5°	745.4	735.0	735.0	730.2	727.4	719.0	705.8	701.0	701.8	699.0	697.8
15°	772.2	762.6	760.6	751.0	738.2	722.6	710.6	707.4	708.2	705.4	703.4
17.5°	803.8	791.4	784.2	766.6	743.0	727.0	715.0	707.4	701.0	694.6	693.0
20°	833.1	817.4	804.2	777.0	748.2	726.2	703.8	685.0	669.4	661.0	659.0
22.5°	863.1	843.1	819.8	784.2	747.8	711.8	670.6	642.2	619.0	606.6	609.0
25°	891.5	866.3	834.7	791.0	735.0	679.8	623.8	581.4	555.0	545.4	542.6
27.5°	915.1	883.9	848.3	787.8	708.6	633.8	559.8	512.6	486.9	476.1	473.3
30°	941.5	906.3	867.9	773.0	667.0	569.4	487.3	448.9	430.5	420.1	420.5
32.5°	971.9	935.1	895.5	744.6	613.8	499.8	427.7	401.3	386.5	376.1	374.5
35°	1012.7	976.3	913.9	701.8	546.2	435.7	386.9	365.3	346.9	333.3	330.5
37.5°	1063.1	1038.3	915.9	644.6	473.7	391.7	357.7	334.5	312.1	294.1	292.1
40°	1149.5	1121.1	899.5	573.0	412.1	363.3	333.3	306.5	280.5	260.5	257.7
42.5°	1272.8	1214.4	864.3	492.1	365.7	340.9	310.1	276.1	249.7	235.7	233.7
45°	1429.6	1318.4	811.4	416.1	331.3	318.9	285.7	250.1	236.1	226.1	224.1
47.5°	1621.7	1439.6	750.6	356.9	304.5	298.9	260.9	241.3	228.9	220.5	218.5
50°	1851.4	1594.1	700.6	310.5	280.5	275.7	252.9	236.1	226.1	219.3	217.7
52.5°	2113.4	1765.7	676.2	277.3	259.7	254.9	250.1	234.9	226.5	221.3	219.3
55°	2385.5	1946.6	653.4	251.7	242.1	244.9	250.5	238.9	232.5	225.7	223.7
57.5°	2648.4	2116.2	597.4	231.7	229.3	240.1	252.5	242.9	235.3	228.5	226.1
60°	2829.7	2209.1	502.6	215.7	219.7	234.1	247.3	236.9	227.3	224.5	223.3
62.5°	2878.5	2197.9	390.1	199.3	208.1	220.9	233.7	226.9	216.9	221.3	221.7
65°	2764.4	2077.8	292.9	183.3	192.9	203.7	219.7	216.9	213.3	225.3	225.7
67.5°	2441.5	1782.9	223.3	169.3	177.3	190.5	215.3	226.9	227.7	242.9	241.3
70°	1847.4	1332.0	174.9	156.0	165.2	190.5	229.3	234.5	224.9	238.9	235.7
72.5°	1277.2	879.1	148.8	144.4	150.4	181.7	228.9	228.9	218.5	218.5	212.5
75°	793.4	517.0	129.6	129.6	129.6	158.8	222.5	210.9	192.5	184.1	179.3
77.5°	391.7	251.3	108.8	112.8	108.4	132.8	181.7	172.5	161.2	152.4	149.2
80°	167.3	125.6	88.0	92.4	87.2	100.0	144.0	142.0	131.2	119.6	116.0
82.5°	76.8	64.8	70.4	72.4	63.6	75.2	105.2	105.2	99.2	83.2	77.2
85°	32.8	34.4	48.8	48.8	40.0	42.4	56.4	53.6	48.0	39.2	36.0
87.5°	11.2	16.8	24.8	21.6	8.4	3.6	2.0	0.8	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)