

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: P634595

Luminaire Tested: GWS-SA3C-722-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-722-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6444.5 lumens
Efficiency: N/A
Efficacy: 69.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

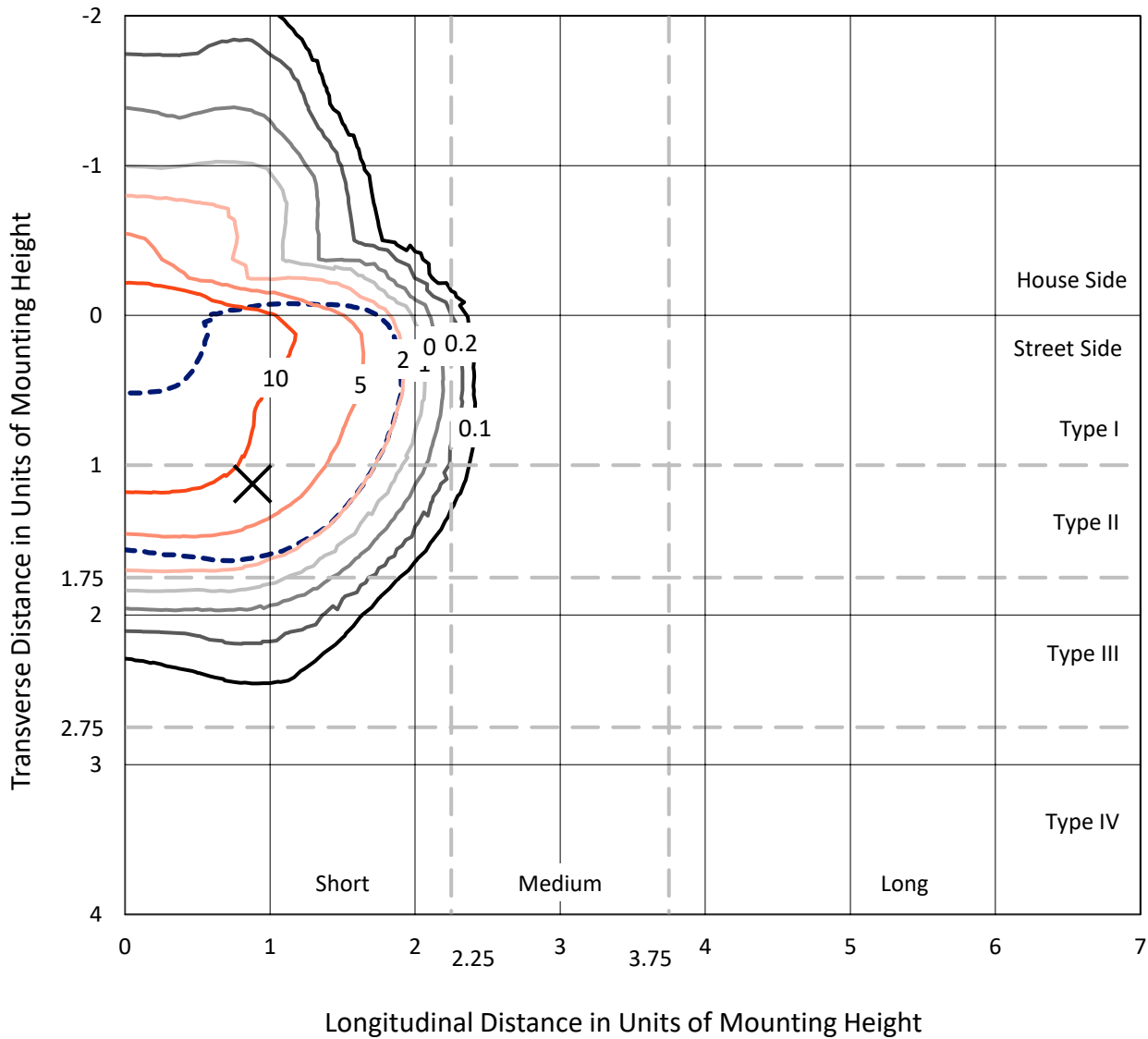
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

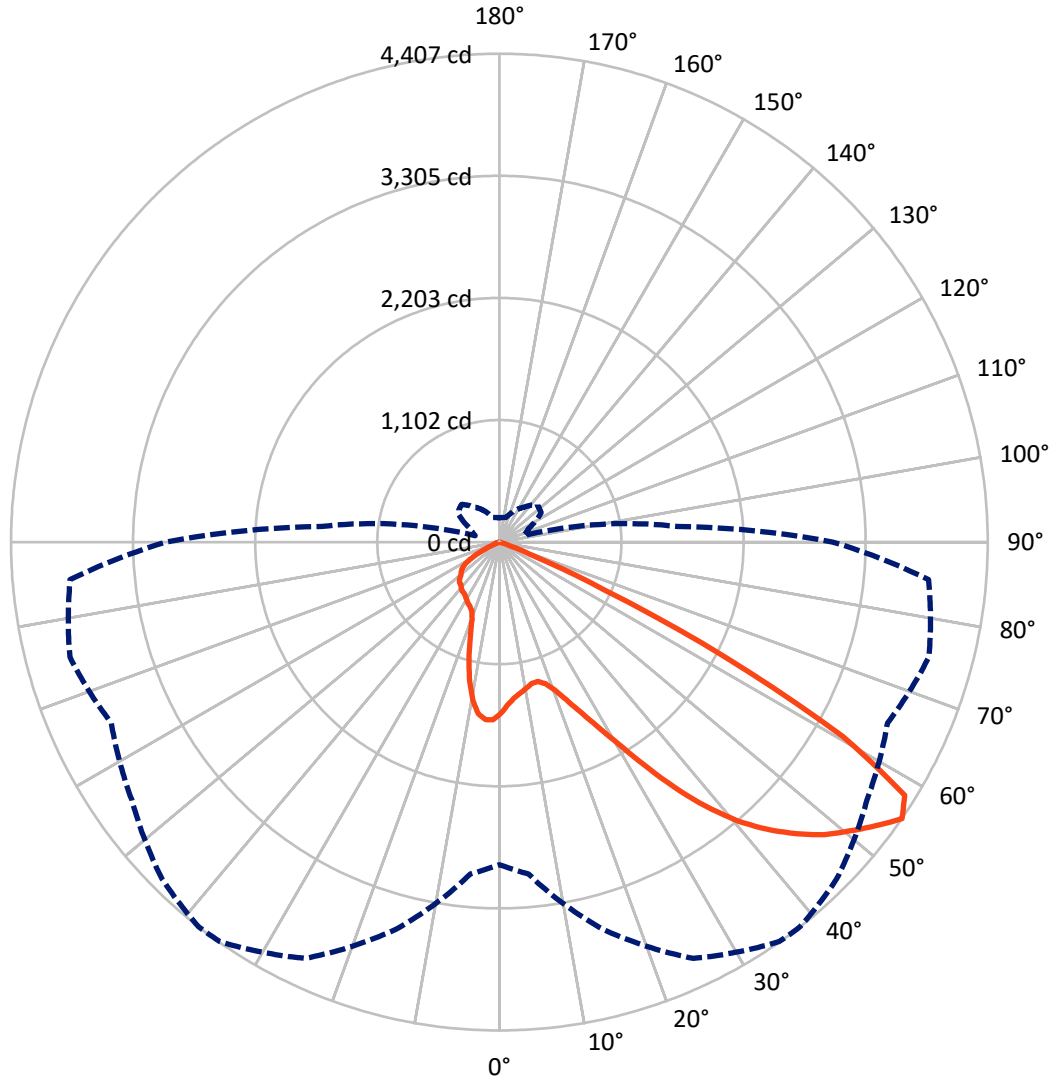
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1255.6	0.0	1255.6
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	5188.9	0.0	5188.9
	% Fixture	80.5	0.0	80.5
Total	Lumens	6444.5	0.0	6444.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.9	2.2
10°-20°	384.7	6.0
20°-30°	660.2	10.2
30°-40°	1094.9	17.0
40°-50°	1609.6	25.0
50°-60°	1880.8	29.2
60°-70°	637.5	9.9
70°-80°	32.6	0.5
80°-90°	1.3	0.0
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°	6444.5	100.0
0°-180°	6444.5	100.0

Coefficient of Utilization



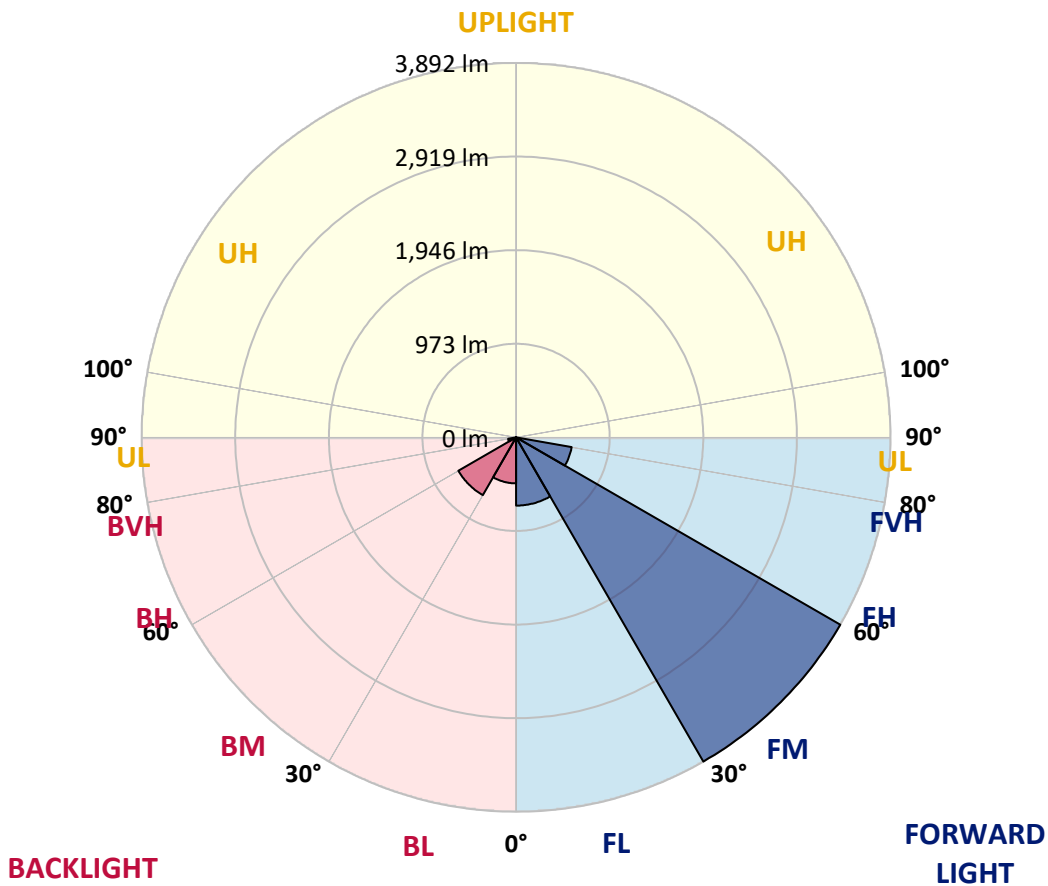
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	709.4	11.0			
FM (30°-60°)	3892.3	60.4			
FH (60°-80°)	586.5	9.1			G0/660
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	478.4	7.4	B1/500		
BM (30°-60°)	693.0	10.8	B1/1000		
BH (60°-80°)	83.6	1.3	B0/110		G0/110
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4
2.5°	1439.4	1436.4	1442.3	1454.1	1465.1	1468.8	1479.9	1495.3	1504.9	1527.8	1546.2
5°	1374.5	1373.1	1379.0	1389.3	1404.0	1409.2	1426.1	1451.9	1477.7	1517.4	1556.5
7.5°	1315.6	1314.9	1323.7	1346.6	1367.9	1374.5	1395.2	1426.8	1461.5	1522.6	1580.1
10°	1238.3	1239.0	1255.9	1288.4	1327.4	1340.7	1373.8	1419.5	1464.4	1543.2	1622.8
12.5°	1213.2	1214.7	1223.5	1248.6	1291.3	1308.2	1354.7	1423.9	1481.4	1572.7	1678.0
15°	1274.4	1274.4	1267.0	1269.9	1289.1	1304.6	1353.2	1438.6	1510.1	1608.1	1732.5
17.5°	1393.0	1388.5	1370.1	1345.1	1338.4	1343.6	1382.6	1470.3	1550.6	1649.3	1794.4
20°	1553.5	1555.0	1518.9	1466.6	1424.6	1423.9	1447.5	1526.3	1608.8	1698.7	1861.5
22.5°	1748.0	1742.1	1694.2	1622.8	1549.9	1544.0	1553.5	1611.7	1692.8	1776.7	1944.0
25°	1973.4	1970.5	1902.7	1806.9	1710.4	1696.4	1696.4	1753.9	1812.8	1888.0	2042.7
27.5°	2209.1	2209.1	2143.6	2033.1	1904.9	1879.9	1876.2	1944.0	1983.0	1997.7	2125.9
30°	2451.5	2448.5	2383.7	2270.3	2133.3	2107.5	2097.2	2147.3	2175.3	2131.1	2229.8
32.5°	2697.5	2702.7	2637.1	2531.8	2409.5	2392.6	2360.9	2360.9	2383.7	2321.8	2393.3
35°	2962.0	2960.5	2908.9	2837.5	2732.9	2713.7	2661.4	2579.7	2614.3	2587.0	2619.4
37.5°	3195.5	3206.5	3181.5	3128.4	3043.7	3024.6	2938.4	2790.3	2816.9	2859.6	2888.3
40°	3432.7	3441.5	3466.6	3449.6	3342.8	3307.4	3154.2	2911.1	2940.6	3087.2	3169.7
42.5°	3665.4	3669.9	3720.7	3748.7	3605.8	3543.9	3317.8	2984.8	3015.7	3265.5	3409.8
45°	3813.5	3823.1	3907.1	3992.5	3837.8	3753.1	3459.9	3079.1	3092.4	3389.2	3587.4
47.5°	3807.6	3829.7	3987.4	4142.8	4037.4	3946.1	3630.8	3230.1	3208.0	3505.6	3704.5
50°	3689.0	3715.5	3941.7	4188.5	4181.1	4096.4	3820.9	3448.9	3379.6	3608.7	3719.2
52.5°	3443.0	3519.6	3861.4	4194.3	4296.7	4254.0	4055.9	3743.5	3611.7	3756.8	3742.8
55°	2911.1	3005.4	3617.6	4144.3	4401.3	4406.5	4302.6	4050.7	3863.6	4011.7	3887.9
57.5°	2209.9	2285.0	2784.4	3689.0	4228.2	4312.9	4398.4	4212.8	4019.0	4185.5	3921.8
60°	1331.8	1418.7	1743.6	2707.1	3415.0	3559.4	3894.5	3858.4	3624.9	3696.4	3216.1
62.5°	539.9	585.6	805.1	1491.7	2149.5	2284.3	2605.4	2660.0	2602.5	2529.6	1950.6
65°	197.4	215.8	322.6	616.6	988.6	1037.9	1207.3	1303.8	1383.4	1177.9	725.6
67.5°	122.3	134.1	209.9	316.7	359.5	334.4	340.3	405.9	387.5	239.4	129.6
70°	90.6	100.2	164.3	219.5	145.1	112.0	75.9	81.0	72.9	64.1	63.3
72.5°	62.6	71.5	123.0	129.6	56.0	39.8	28.0	39.0	44.2	43.5	44.9
75°	41.3	47.9	77.3	50.8	14.0	11.0	9.6	20.6	26.5	26.5	27.3
77.5°	24.3	28.0	27.3	10.3	2.9	2.9	2.2	3.7	5.9	6.6	8.1
80°	2.9	2.2	1.5	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.2
82.5°	0.7	0.7	0.7	1.5	1.5	1.5	1.5	1.5	1.5	2.2	2.2
85°	0.0	0.0	0.7	0.7	1.5	1.5	1.5	1.5	1.5	2.2	2.2
87.5°	0.0	0.0	0.7	0.7	1.5	1.5	1.5	1.5	1.5	2.2	2.2
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°	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4	1545.4
2.5°	1560.2	1555.0	1576.4	1591.8	1604.4	1610.3	1602.2	1601.4	1601.4	1585.2	1580.8
5°	1578.6	1580.8	1611.0	1624.3	1626.5	1619.1	1600.7	1588.2	1580.8	1563.9	1554.3
7.5°	1613.9	1621.3	1650.0	1647.8	1627.9	1594.1	1545.4	1507.9	1483.6	1457.0	1440.8
10°	1664.8	1678.8	1696.4	1665.5	1602.2	1516.0	1415.8	1344.3	1301.6	1271.4	1253.0
12.5°	1726.7	1740.6	1734.8	1661.8	1530.0	1376.0	1247.1	1144.0	1094.6	1067.4	1048.2
15°	1789.3	1798.1	1759.8	1617.6	1402.5	1195.5	1051.9	949.5	889.1	867.0	850.8
17.5°	1853.3	1851.1	1764.2	1530.7	1232.4	992.2	850.8	780.8	763.9	760.2	758.7
20°	1920.4	1900.5	1746.5	1406.2	1027.6	791.1	710.8	715.3	746.2	760.9	763.9
22.5°	1997.0	1946.9	1702.3	1237.5	818.4	659.3	667.4	710.8	752.8	772.7	775.7
25°	2078.8	1989.6	1628.7	1021.0	645.3	606.2	654.1	704.2	749.1	773.5	776.4
27.5°	2132.5	1999.9	1507.9	802.9	553.9	585.6	636.4	684.3	730.7	757.3	760.9
30°	2190.7	1995.5	1343.6	618.8	523.0	567.9	612.1	655.6	698.3	727.8	730.7
32.5°	2276.2	1992.6	1143.2	502.4	510.5	553.9	586.4	622.4	651.9	668.9	666.6
35°	2388.1	1988.9	909.7	453.0	503.1	542.9	568.7	585.6	553.2	542.9	545.1
37.5°	2531.8	1997.7	713.1	432.4	500.9	539.9	562.0	513.4	463.3	444.2	441.2
40°	2690.9	2020.6	543.6	424.3	508.3	547.3	537.0	456.7	394.8	357.3	349.2
42.5°	2850.7	2045.6	430.2	421.3	520.8	567.9	495.7	415.5	322.6	301.3	298.3
45°	2969.3	2041.2	372.0	416.2	531.8	579.7	484.7	356.5	288.0	278.4	279.2
47.5°	3029.0	1992.6	340.3	404.4	536.3	567.9	457.4	332.2	264.4	274.8	283.6
50°	2997.3	1866.6	310.9	381.6	526.7	552.5	414.0	313.8	252.7	295.4	315.3
52.5°	2959.0	1711.9	278.4	346.2	503.9	531.1	397.0	308.6	245.3	285.1	299.8
55°	3009.9	1613.9	225.4	291.7	458.9	481.0	383.8	307.9	228.4	221.7	219.5
57.5°	2938.4	1418.7	161.3	209.9	352.1	380.8	374.2	302.8	202.6	201.8	204.8
60°	2271.0	865.5	110.5	133.3	215.8	243.1	339.6	289.5	174.6	160.6	161.3
62.5°	1290.6	368.3	75.9	82.5	110.5	131.1	259.3	263.0	161.3	153.2	161.3
65°	449.3	131.9	58.9	55.2	61.1	70.0	148.8	203.3	146.6	132.6	134.1
67.5°	92.8	65.6	52.3	45.7	45.7	45.7	75.9	126.7	120.8	105.3	106.8
70°	58.9	56.0	45.7	39.0	37.6	34.6	43.5	70.0	83.2	76.6	77.3
72.5°	43.5	42.7	36.1	31.7	28.0	25.0	27.3	34.6	42.7	44.2	44.9
75°	26.5	27.3	23.6	19.9	17.7	15.5	16.2	16.2	16.2	14.7	16.2
77.5°	8.1	8.8	7.4	5.9	5.2	5.2	5.2	4.4	3.7	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2	1.5	1.5	0.7	0.7	0.0	0.0
82.5°	2.2	2.2	2.2	2.2	1.5	1.5	0.7	0.7	0.0	0.0	0.0
85°	2.2	2.2	2.2	2.2	1.5	1.5	0.7	0.7	0.0	0.0	0.0
87.5°	2.2	2.2	2.2	2.2	1.5	1.5	0.7	0.7	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)