

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: P631921

Luminaire Tested: GWS-SA2B-760-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-760-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4512.6 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

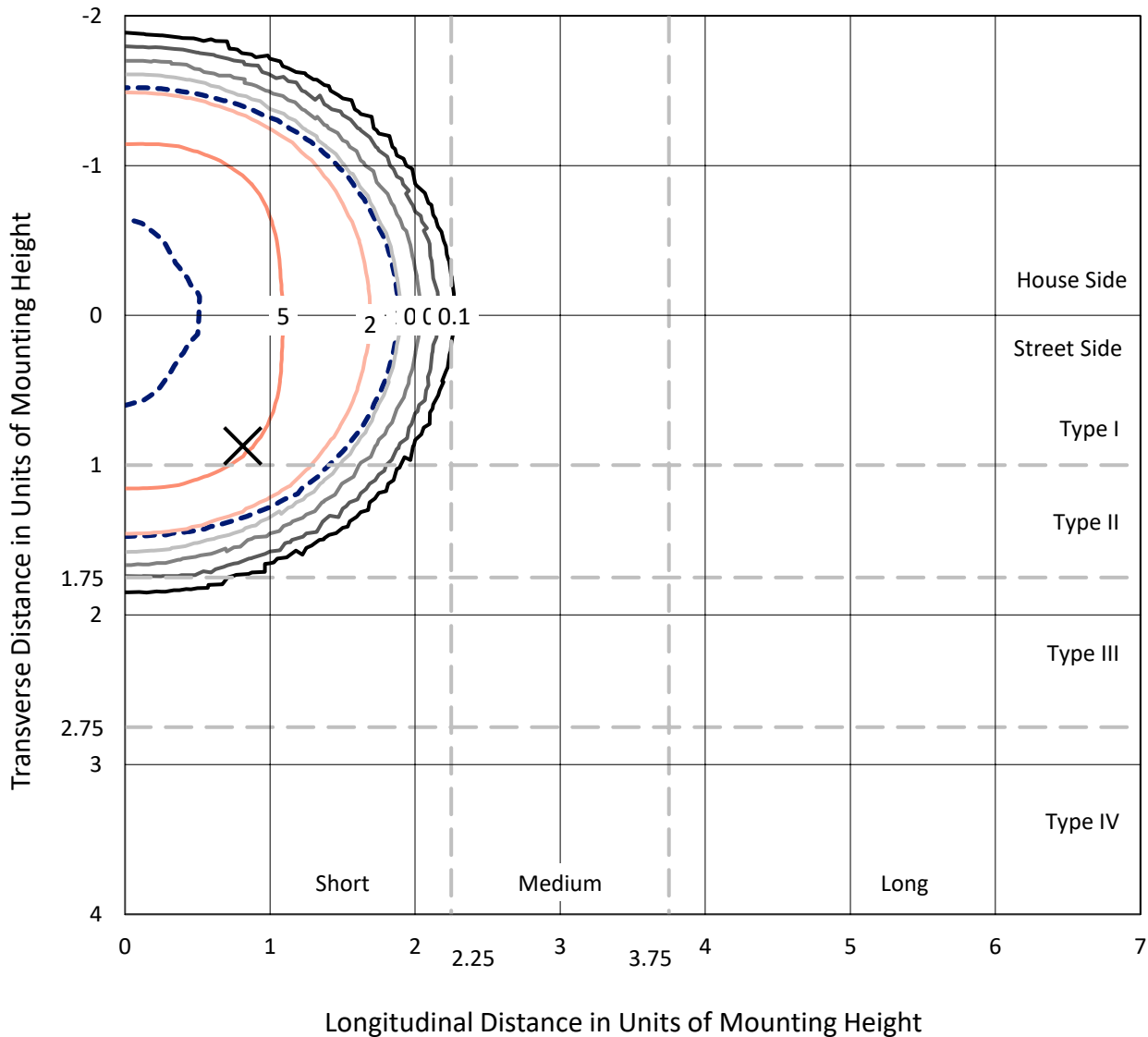
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

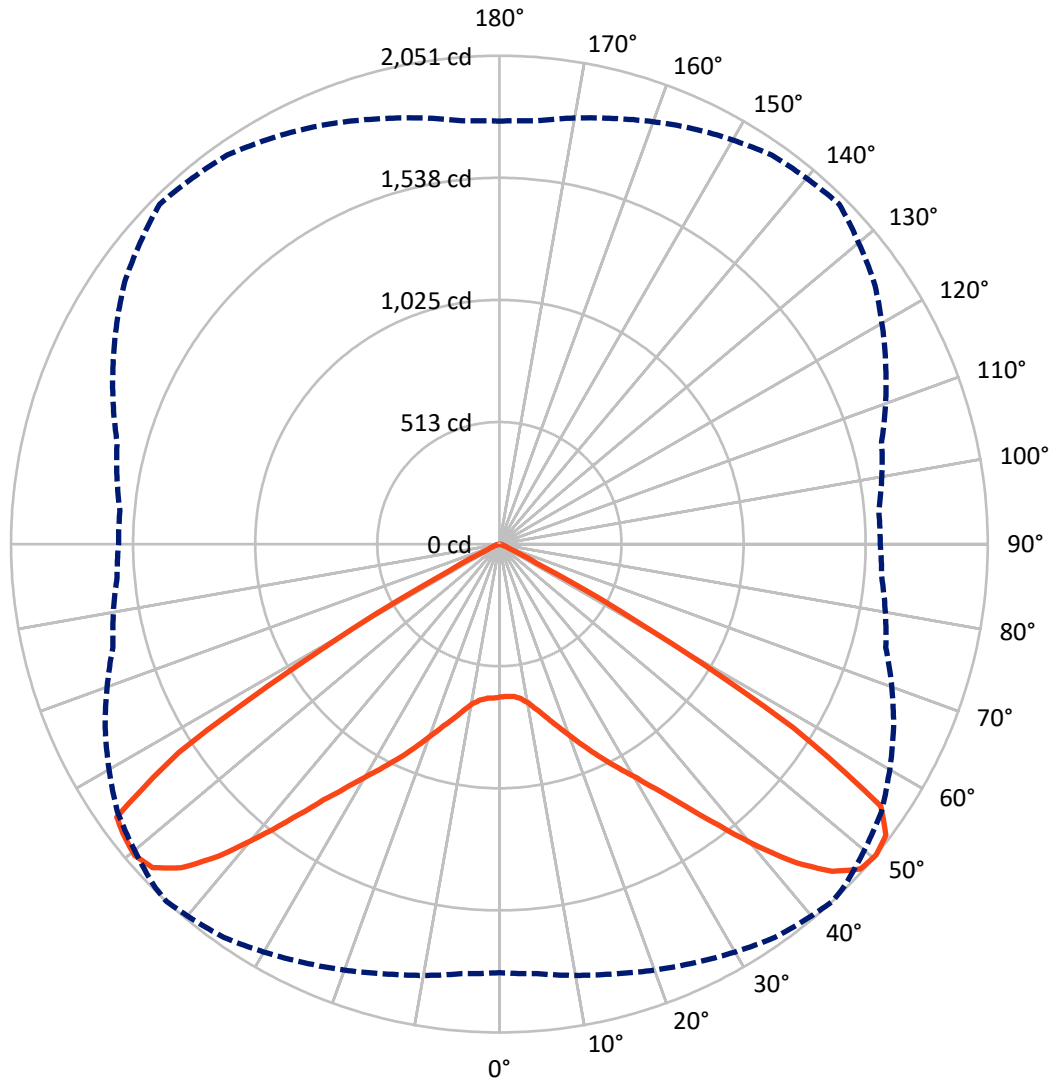
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2256.2	0.0	2256.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2256.4	0.0	2256.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	4512.6	0.0	4512.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.2	1.4
10°-20°	217.5	4.8
20°-30°	440.1	9.8
30°-40°	816.5	18.1
40°-50°	1355.3	30.0
50°-60°	1383.1	30.7
60°-70°	226.8	5.0
70°-80°	9.9	0.2
80°-90°	0.1	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°	4512.6	100.0
0°-180°	4512.6	100.0

Coefficient of Utilization



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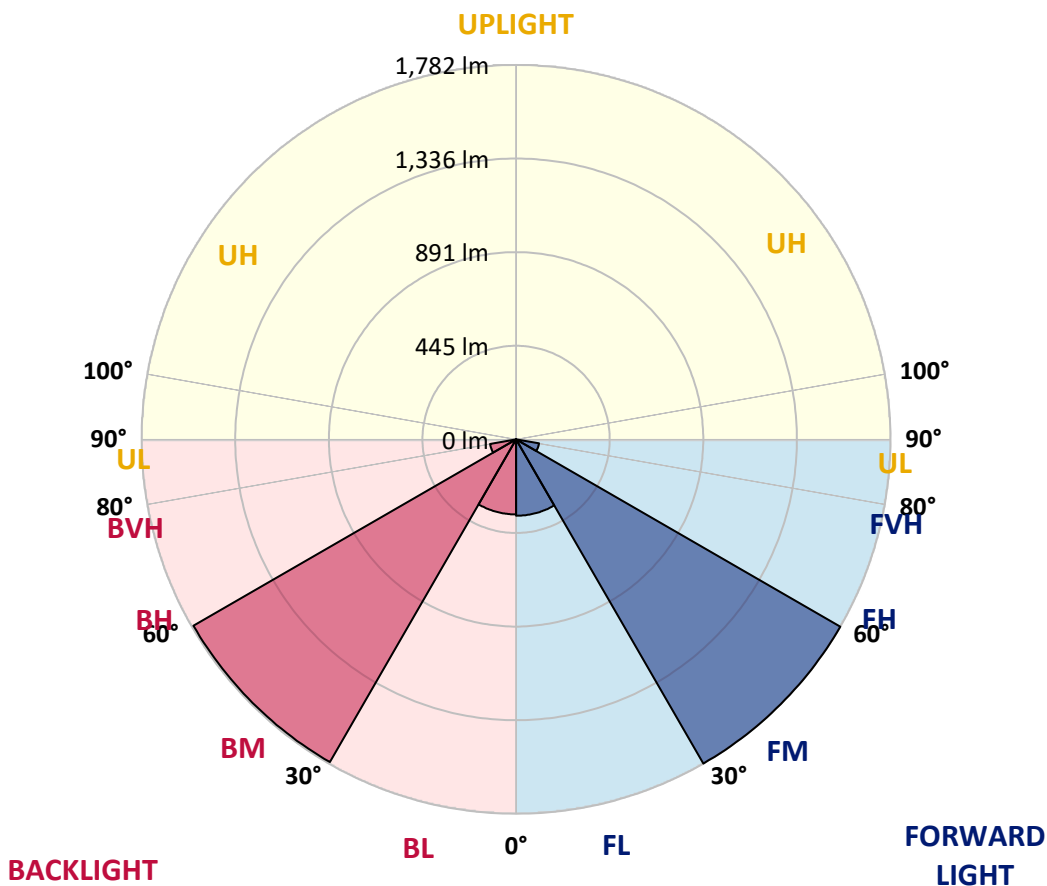
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	363.6	8.1			
FM (30°-60°)	1781.8	39.5			
FH (60°-80°)	111.0	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	357.2	7.9	B1/500		
BM (30°-60°)	1773.1	39.3	B2/2500		
BH (60°-80°)	125.8	2.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8
2.5°	629.9	631.4	633.4	635.4	637.9	640.3	641.8	646.3	645.3	649.3	649.3
5°	622.9	624.4	626.9	631.4	636.9	642.3	646.3	655.3	660.3	668.3	671.3
7.5°	626.4	628.4	631.4	638.4	646.8	655.3	659.8	674.3	684.3	699.2	707.7
10°	637.9	639.8	644.8	656.8	667.8	679.8	685.3	703.7	719.7	740.2	752.1
12.5°	650.8	653.3	663.3	681.3	700.2	716.2	723.7	744.2	760.6	783.6	802.6
15°	664.3	668.3	683.8	710.2	737.2	758.6	766.6	788.6	805.1	829.5	851.0
17.5°	695.7	700.2	717.7	746.2	783.1	808.0	815.0	838.0	850.5	866.9	889.4
20°	735.2	743.7	765.1	799.6	840.0	863.9	868.9	891.4	890.4	897.4	916.9
22.5°	784.1	790.1	813.5	854.5	899.9	926.3	937.8	947.3	934.8	928.8	941.3
25°	835.0	842.0	867.4	912.4	963.3	993.7	1003.2	1010.7	990.7	968.3	969.8
27.5°	900.9	905.9	930.8	978.7	1029.6	1064.1	1072.6	1085.5	1059.1	1023.2	1013.2
30°	979.2	984.2	1010.7	1061.1	1111.5	1140.9	1153.9	1169.9	1140.9	1096.0	1084.6
32.5°	1071.1	1076.1	1110.0	1161.9	1203.3	1235.3	1247.8	1264.7	1241.8	1191.4	1178.4
35°	1180.9	1183.9	1223.8	1280.2	1324.1	1355.1	1363.5	1383.5	1358.1	1307.6	1300.7
37.5°	1308.1	1311.6	1355.1	1420.4	1465.4	1499.8	1513.3	1518.8	1487.8	1431.4	1425.9
40°	1447.9	1459.4	1501.8	1572.2	1622.6	1666.0	1678.0	1659.5	1616.1	1539.2	1529.3
42.5°	1593.6	1603.6	1651.0	1727.4	1785.8	1830.2	1830.7	1790.8	1716.9	1610.6	1595.6
45°	1714.9	1718.9	1780.3	1857.2	1929.0	1960.5	1963.5	1891.1	1779.8	1652.0	1620.1
47.5°	1798.3	1804.8	1858.2	1932.0	2011.4	2039.8	2033.8	1943.5	1809.7	1679.0	1626.1
50°	1799.3	1810.2	1868.1	1939.5	2016.4	2050.8	2042.3	1958.5	1826.7	1680.0	1611.6
52.5°	1640.1	1658.0	1752.3	1855.7	1973.5	2032.3	2034.3	1977.9	1820.2	1664.0	1598.6
55°	1237.3	1256.7	1375.5	1551.7	1779.3	1943.5	1972.0	1955.0	1812.7	1671.0	1621.6
57.5°	654.8	639.8	705.7	880.4	1166.4	1456.9	1540.2	1676.0	1729.4	1679.5	1664.0
60°	142.7	152.2	202.6	273.0	455.2	685.3	766.6	999.2	1275.7	1398.5	1487.3
62.5°	61.4	60.4	62.9	71.4	104.3	173.7	212.1	346.4	546.5	750.7	888.9
65°	50.4	50.9	52.9	52.9	49.4	49.9	52.4	79.4	127.8	179.2	240.6
67.5°	37.9	38.4	41.9	42.9	40.4	35.9	35.4	29.9	31.4	39.4	40.9
70°	24.0	24.0	26.0	27.0	27.0	25.0	24.5	21.5	21.0	24.0	27.0
72.5°	13.0	13.0	14.0	14.5	14.0	13.5	13.5	13.0	12.5	14.5	18.5
75°	5.5	5.5	6.0	6.0	5.5	5.5	5.5	5.5	5.5	6.5	10.0
77.5°	1.0	1.5	2.0	1.5	1.0	1.0	1.0	1.5	1.5	2.0	3.0
80°	0.5	0.5	1.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8	641.8
2.5°	652.8	647.3	649.3	650.3	648.8	647.8	642.3	640.8	638.4	634.4	633.4
5°	674.8	670.3	669.8	666.8	659.8	651.3	640.8	636.4	631.4	626.4	625.4
7.5°	711.7	706.2	702.7	692.8	676.8	663.3	645.8	636.4	629.9	623.4	621.9
10°	759.1	752.6	742.7	724.2	702.7	683.3	662.8	650.3	640.3	631.4	630.9
12.5°	809.5	802.6	784.6	761.1	735.2	717.2	691.3	673.8	658.8	645.3	643.8
15°	862.4	854.0	829.5	801.6	777.6	759.1	730.7	702.7	679.8	660.3	658.3
17.5°	902.9	892.4	863.4	842.5	823.0	804.1	772.1	735.2	704.7	681.3	675.8
20°	928.3	918.3	890.9	879.4	870.4	857.0	819.0	780.6	746.7	717.7	712.7
22.5°	952.8	940.8	916.9	916.9	923.8	918.3	877.4	833.5	793.6	760.1	752.6
25°	980.2	970.8	953.8	967.8	985.2	984.7	942.8	887.9	842.0	804.6	797.1
27.5°	1020.2	1010.7	1004.7	1031.1	1053.1	1051.6	1005.7	946.3	897.9	861.0	854.0
30°	1090.5	1081.6	1075.1	1107.0	1135.0	1124.5	1074.1	1016.7	967.8	925.8	920.8
32.5°	1184.4	1174.9	1166.4	1198.3	1223.3	1209.8	1161.9	1108.0	1051.6	1010.7	1000.7
35°	1307.6	1287.7	1279.2	1317.1	1327.6	1312.6	1266.7	1219.3	1159.4	1112.5	1106.0
37.5°	1434.9	1411.5	1405.5	1438.4	1455.4	1449.9	1396.0	1346.6	1281.7	1229.8	1222.3
40°	1543.7	1522.3	1511.8	1563.2	1601.6	1605.1	1556.7	1496.3	1419.9	1366.0	1352.6
42.5°	1607.6	1589.1	1586.6	1666.5	1729.4	1774.3	1716.4	1654.0	1573.7	1512.8	1501.8
45°	1622.1	1610.1	1631.1	1735.9	1833.7	1915.6	1866.1	1800.3	1713.4	1649.0	1638.6
47.5°	1620.6	1616.6	1654.0	1771.8	1895.6	1996.4	1972.0	1897.6	1813.7	1746.4	1736.4
50°	1599.1	1599.6	1662.0	1789.8	1920.5	2018.4	1993.9	1925.0	1850.2	1783.8	1775.8
52.5°	1590.6	1587.6	1647.0	1784.3	1946.0	2008.4	1953.5	1876.1	1792.8	1710.9	1698.9
55°	1620.6	1613.1	1649.0	1779.8	1949.0	2002.9	1858.2	1690.5	1519.8	1422.9	1415.0
57.5°	1665.5	1657.5	1674.5	1746.9	1792.8	1665.5	1367.5	1097.0	921.3	847.0	814.5
60°	1487.3	1481.8	1468.9	1381.5	1184.9	893.9	608.9	388.3	279.0	225.6	225.6
62.5°	922.8	915.4	845.0	627.9	456.2	264.0	145.2	90.8	68.9	64.4	63.9
65°	259.0	257.5	213.1	150.7	95.8	59.4	52.4	53.4	52.4	50.9	50.4
67.5°	38.9	42.9	42.9	34.9	33.4	37.4	43.9	46.9	44.4	41.9	40.9
70°	25.0	27.0	26.0	22.5	24.0	27.9	31.4	31.9	30.4	27.9	27.5
72.5°	17.5	19.5	16.0	14.5	15.0	16.5	18.0	18.0	17.5	16.5	15.5
75°	10.5	10.5	7.5	7.0	7.0	7.5	7.5	8.5	8.5	8.0	7.5
77.5°	3.5	4.0	2.5	2.0	2.0	2.0	2.5	3.0	3.0	2.5	2.0
80°	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	0.5
82.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)