

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: P630766

Luminaire Tested: GWS-SA1E-735-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630766
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-SA1E-735-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4843.9 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

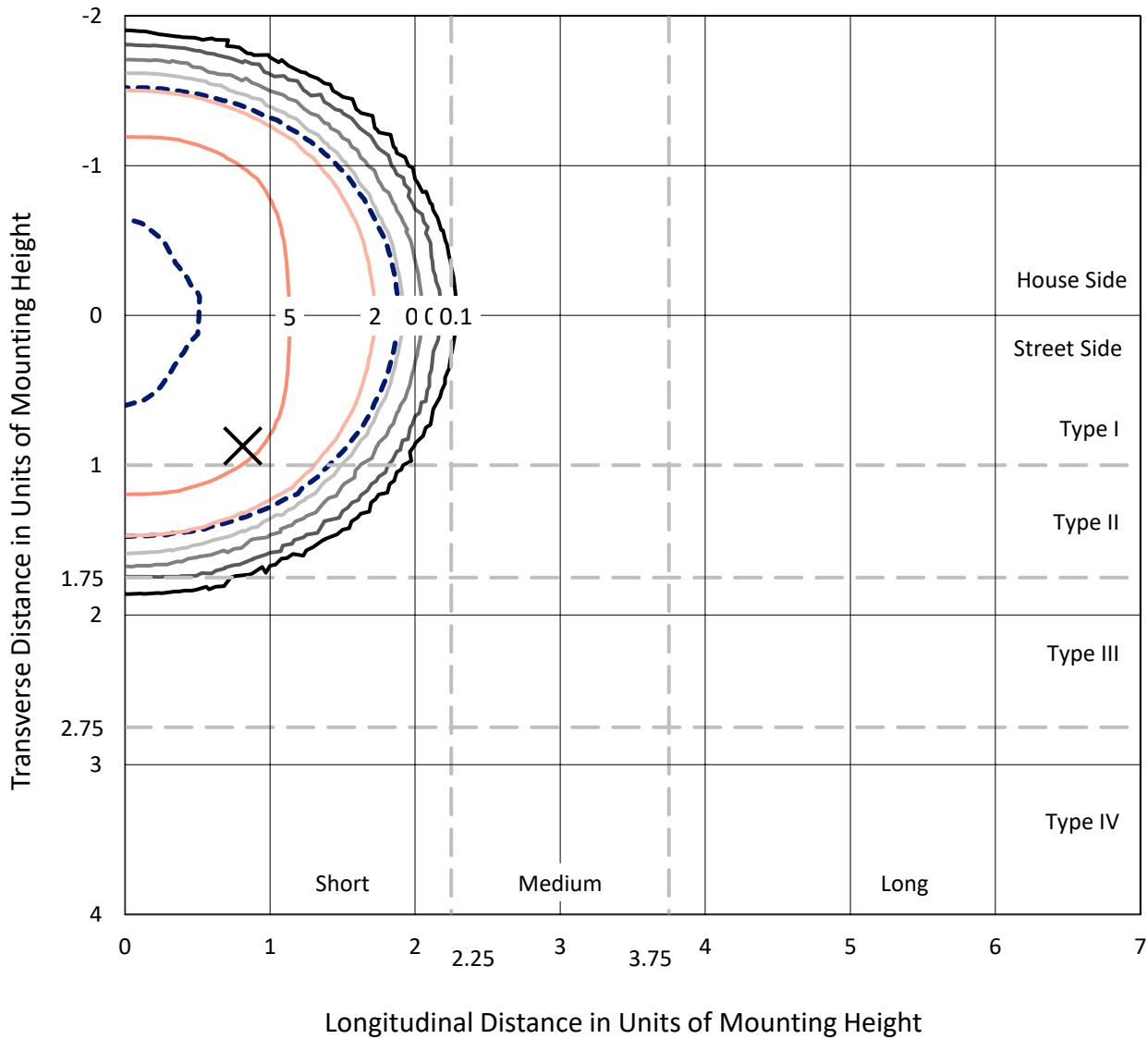
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630766
 CATALOG NUMBER: GWS-SA1E-735-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

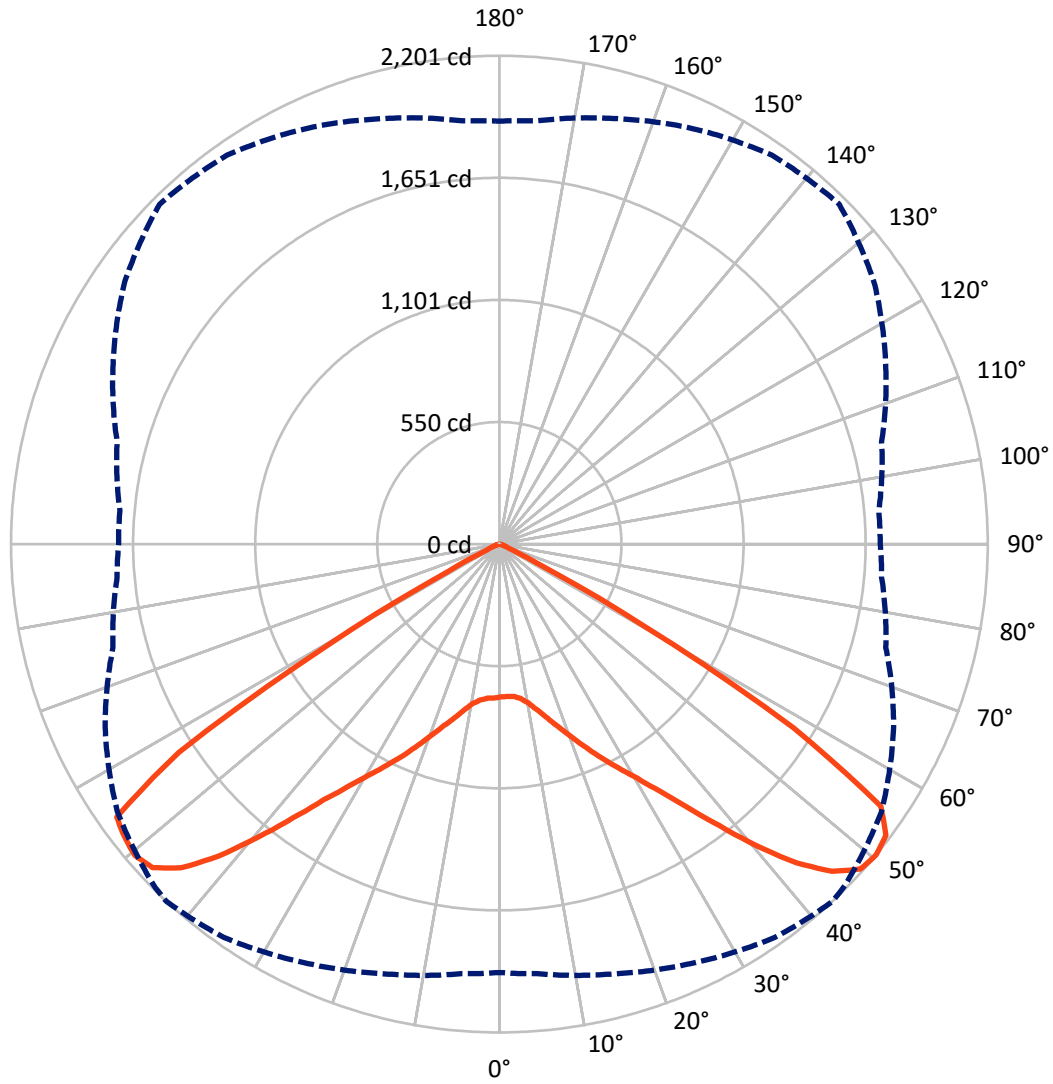
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type V - Short - N/A

REPORT NUMBER: P630766
CATALOG NUMBER: GWS-SA1E-735-U-RW-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630766
 CATALOG NUMBER: GWS-SA1E-735-U-RW-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2421.9	0.0	2421.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2422.0	0.0	2422.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4843.9	0.0	4843.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.8	1.4
10°-20°	233.5	4.8
20°-30°	472.4	9.8
30°-40°	876.4	18.1
40°-50°	1454.8	30.0
50°-60°	1484.7	30.7
60°-70°	243.5	5.0
70°-80°	10.7	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°	4843.9	100.0
0°-180°	4843.9	100.0

Coefficient of Utilization



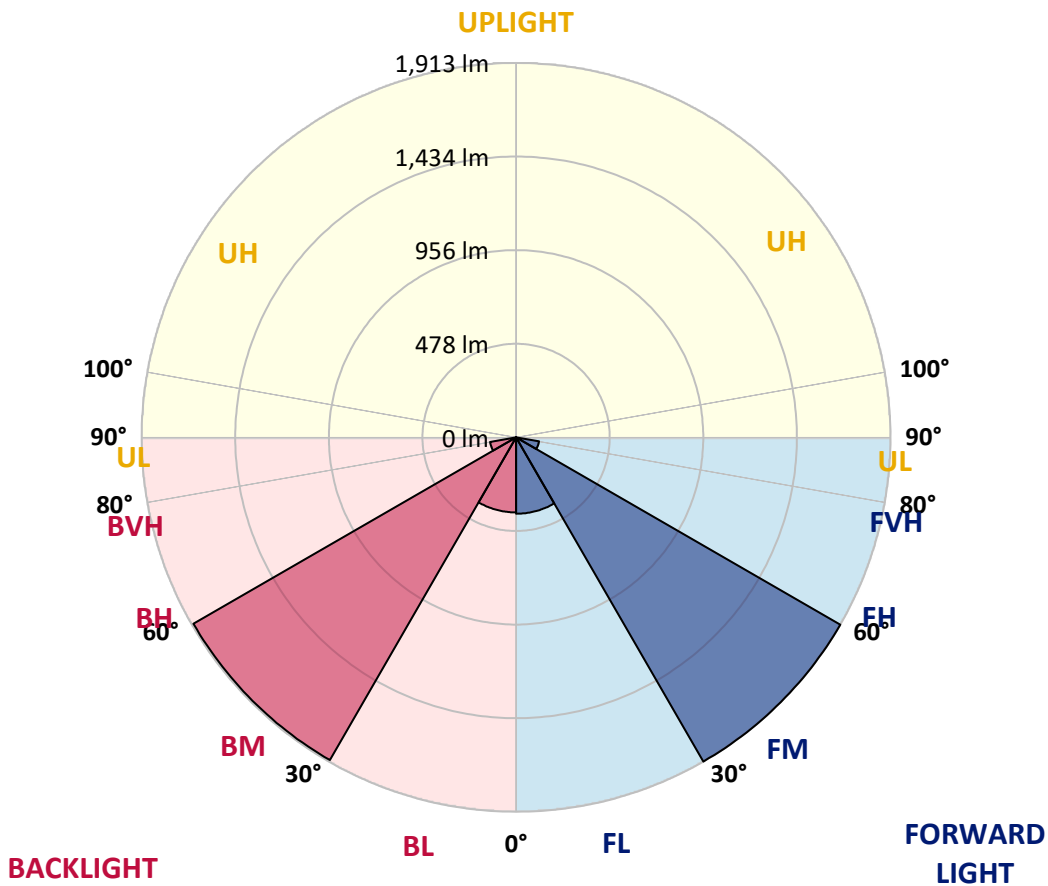
REPORT NUMBER: P630766

CATALOG NUMBER: GWS-SA1E-735-U-RW-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	390.2	8.1			
FM (30°-60°)	1912.6	39.5			
FH (60°-80°)	119.1	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	383.5	7.9	B1/500		
BM (30°-60°)	1903.3	39.3	B2/2500		
BH (60°-80°)	135.0	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





REPORT NUMBER: P630766

CATALOG NUMBER: GWS-SA1E-735-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	689.0	689.0	689.0	689.0	689.0	689.0	689.0	689.0	689.0	689.0	689.0
2.5°	676.1	677.7	679.9	682.0	684.7	687.4	689.0	693.8	692.7	697.0	697.0
5°	668.6	670.2	672.9	677.7	683.6	689.5	693.8	703.4	708.8	717.4	720.6
7.5°	672.4	674.5	677.7	685.2	694.3	703.4	708.3	723.8	734.5	750.6	759.7
10°	684.7	686.8	692.2	705.0	716.8	729.7	735.6	755.4	772.5	794.5	807.4
12.5°	698.6	701.3	712.0	731.3	751.7	768.8	776.8	798.8	816.5	841.1	861.5
15°	713.1	717.4	734.0	762.4	791.3	814.3	822.9	846.5	864.2	890.4	913.4
17.5°	746.8	751.7	770.4	800.9	840.6	867.4	874.9	899.5	912.9	930.6	954.7
20°	789.2	798.3	821.3	858.3	901.7	927.4	932.7	956.8	955.8	963.3	984.2
22.5°	841.7	848.1	873.3	917.2	965.9	994.3	1006.7	1016.8	1003.5	997.0	1010.4
25°	896.3	903.8	931.1	979.3	1034.0	1066.7	1076.8	1084.9	1063.5	1039.3	1041.0
27.5°	967.0	972.4	999.2	1050.6	1105.2	1142.2	1151.3	1165.2	1136.9	1098.3	1087.6
30°	1051.1	1056.5	1084.9	1139.0	1193.1	1224.7	1238.6	1255.8	1224.7	1176.5	1164.2
32.5°	1149.7	1155.1	1191.5	1247.2	1291.7	1326.0	1339.4	1357.6	1332.9	1278.8	1264.9
35°	1267.6	1270.8	1313.6	1374.2	1421.3	1454.5	1463.7	1485.1	1457.8	1403.7	1396.2
37.5°	1404.2	1407.9	1454.5	1524.7	1572.9	1609.9	1624.4	1630.3	1597.1	1536.5	1530.6
40°	1554.2	1566.5	1612.1	1687.6	1741.7	1788.3	1801.2	1781.4	1734.7	1652.2	1641.5
42.5°	1710.6	1721.3	1772.2	1854.2	1916.9	1964.6	1965.1	1922.3	1843.0	1728.8	1712.8
45°	1840.8	1845.1	1911.0	1993.5	2070.7	2104.4	2107.6	2029.9	1910.5	1773.3	1739.0
47.5°	1930.3	1937.3	1994.6	2073.9	2159.1	2189.6	2183.2	2086.2	1942.6	1802.2	1745.5
50°	1931.4	1943.1	2005.3	2081.9	2164.4	2201.4	2192.3	2102.3	1960.8	1803.3	1729.9
52.5°	1760.5	1779.7	1881.0	1991.9	2118.3	2181.6	2183.7	2123.2	1953.9	1786.2	1716.0
55°	1328.1	1349.0	1476.5	1665.6	1909.9	2086.2	2116.7	2098.5	1945.8	1793.7	1740.6
57.5°	702.9	686.8	757.5	945.1	1252.0	1563.8	1653.3	1799.0	1856.4	1802.8	1786.2
60°	153.2	163.4	217.5	293.1	488.6	735.6	822.9	1072.6	1369.4	1501.2	1596.5
62.5°	65.9	64.8	67.5	76.6	112.0	186.4	227.7	371.8	586.6	805.8	954.2
65°	54.1	54.6	56.8	56.8	53.0	53.6	56.3	85.2	137.2	192.3	258.2
67.5°	40.7	41.3	45.0	46.1	43.4	38.6	38.0	32.1	33.8	42.3	43.9
70°	25.7	25.7	27.9	28.9	28.9	26.8	26.3	23.0	22.5	25.7	28.9
72.5°	13.9	13.9	15.0	15.5	15.0	14.5	14.5	13.9	13.4	15.5	19.8
75°	5.9	5.9	6.4	6.4	5.9	5.9	5.9	5.9	5.9	7.0	10.7
77.5°	1.1	1.6	2.1	1.6	1.1	1.1	1.1	1.6	1.6	2.1	3.2
80°	0.5	0.5	1.1	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



REPORT NUMBER: P630766
 CATALOG NUMBER: GWS-SA1E-735-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	689.0	689.0	689.0	689.0	689.0	689.0	689.0	689.0	689.0	689.0	689.0
2.5°	700.8	694.9	697.0	698.1	696.5	695.4	689.5	687.9	685.2	680.9	679.9
5°	724.3	719.5	719.0	715.8	708.3	699.1	687.9	683.1	677.7	672.4	671.3
7.5°	764.0	758.1	754.3	743.6	726.5	712.0	693.3	683.1	676.1	669.1	667.5
10°	814.9	807.9	797.2	777.4	754.3	733.4	711.5	698.1	687.4	677.7	677.2
12.5°	869.0	861.5	842.2	817.0	789.2	769.9	742.0	723.3	707.2	692.7	691.1
15°	925.8	916.7	890.4	860.4	834.7	814.9	784.3	754.3	729.7	708.8	706.6
17.5°	969.2	957.9	926.8	904.3	883.4	863.1	828.8	789.2	756.5	731.3	725.4
20°	996.5	985.8	956.3	944.0	934.3	919.9	879.2	837.9	801.5	770.4	765.0
22.5°	1022.7	1009.9	984.2	984.2	991.7	985.8	941.8	894.7	851.8	815.9	807.9
25°	1052.2	1042.0	1023.8	1038.8	1057.6	1057.0	1012.0	953.1	903.8	863.6	855.6
27.5°	1095.1	1084.9	1078.5	1106.8	1130.4	1128.8	1079.5	1015.8	963.8	924.2	916.7
30°	1170.6	1161.0	1154.0	1188.3	1218.3	1207.0	1152.9	1091.3	1038.8	993.8	988.4
32.5°	1271.3	1261.1	1252.0	1286.3	1313.1	1298.6	1247.2	1189.4	1128.8	1084.9	1074.2
35°	1403.7	1382.2	1373.1	1413.8	1425.1	1409.0	1359.7	1308.8	1244.5	1194.2	1187.2
37.5°	1540.3	1515.1	1508.7	1544.0	1562.2	1556.3	1498.5	1445.4	1375.8	1320.1	1312.0
40°	1657.1	1634.0	1622.8	1678.0	1719.2	1723.0	1671.0	1606.2	1524.2	1466.3	1451.9
42.5°	1725.6	1705.8	1703.1	1788.9	1856.4	1904.6	1842.4	1775.5	1689.2	1623.8	1612.1
45°	1741.2	1728.3	1750.8	1863.3	1968.3	2056.2	2003.2	1932.4	1839.2	1770.1	1758.9
47.5°	1739.6	1735.3	1775.5	1901.9	2034.8	2143.0	2116.7	2036.9	1946.9	1874.6	1863.9
50°	1716.5	1717.1	1784.0	1921.2	2061.5	2166.6	2140.3	2066.4	1986.0	1914.8	1906.2
52.5°	1707.4	1704.2	1768.0	1915.3	2088.9	2155.8	2096.9	2013.9	1924.4	1836.5	1823.7
55°	1739.6	1731.5	1770.1	1910.5	2092.1	2149.9	1994.6	1814.6	1631.3	1527.4	1518.8
57.5°	1787.8	1779.2	1797.4	1875.1	1924.4	1787.8	1467.9	1177.6	989.0	909.2	874.3
60°	1596.5	1590.6	1576.7	1482.9	1271.9	959.5	653.6	416.8	299.5	242.2	242.2
62.5°	990.6	982.6	907.0	674.0	489.7	283.4	155.9	97.5	73.9	69.1	68.6
65°	278.1	276.4	228.8	161.8	102.9	63.8	56.3	57.3	56.3	54.6	54.1
67.5°	41.8	46.1	46.1	37.5	35.9	40.2	47.1	50.4	47.7	45.0	43.9
70°	26.8	28.9	27.9	24.1	25.7	30.0	33.8	34.3	32.7	30.0	29.5
72.5°	18.8	20.9	17.1	15.5	16.1	17.7	19.3	19.3	18.8	17.7	16.6
75°	11.3	11.3	8.0	7.5	7.5	8.0	8.0	9.1	9.1	8.6	8.0
77.5°	3.8	4.3	2.7	2.1	2.1	2.1	2.7	3.2	3.2	2.7	2.1
80°	0.5	1.1	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	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)