

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: P630876

Luminaire Tested: GWS-SA1E-750-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630876
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5023.8 lumens
Efficiency: N/A
Efficacy: 86.0 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

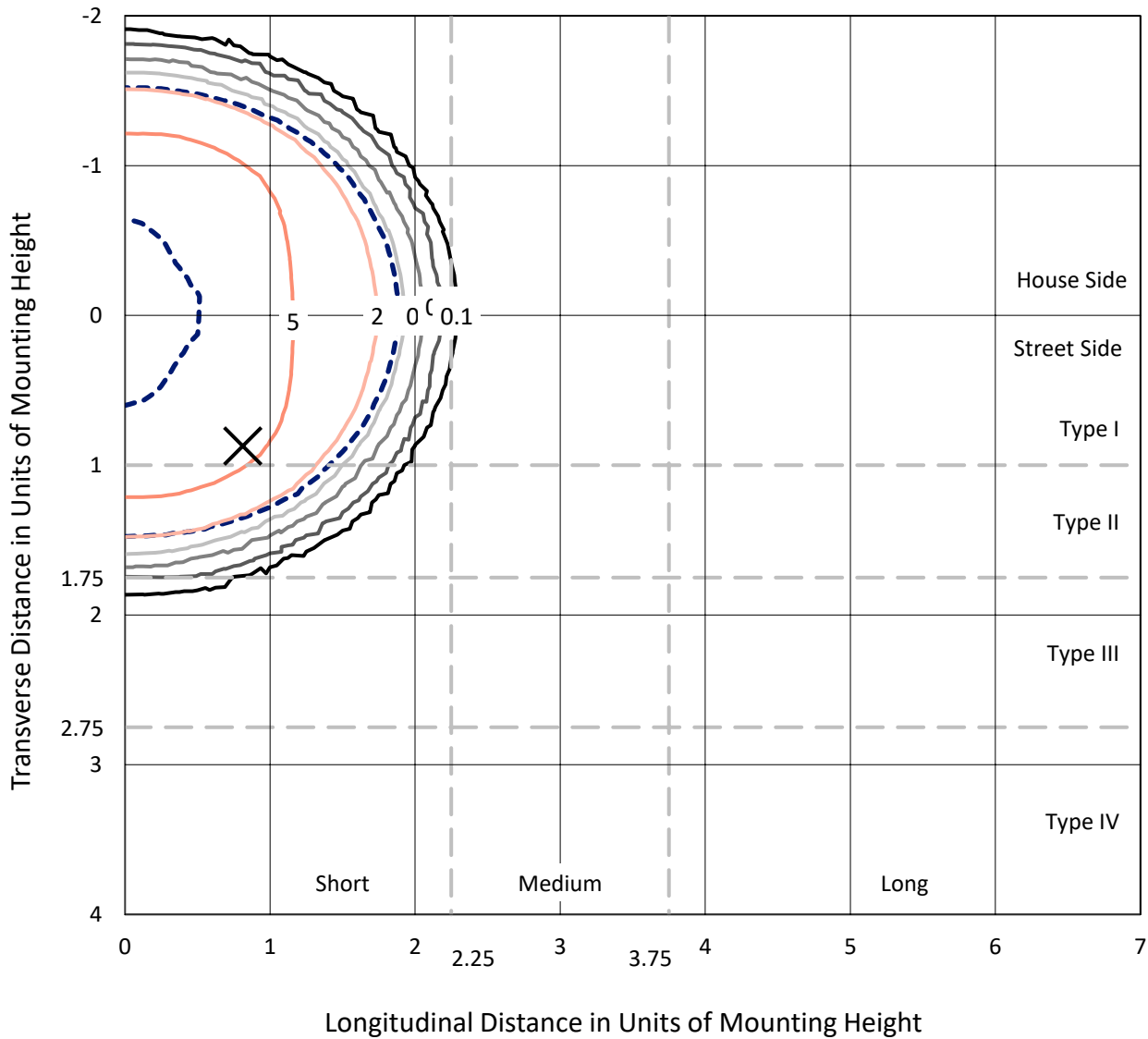
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630876
 CATALOG NUMBER: GWS-SA1E-750-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

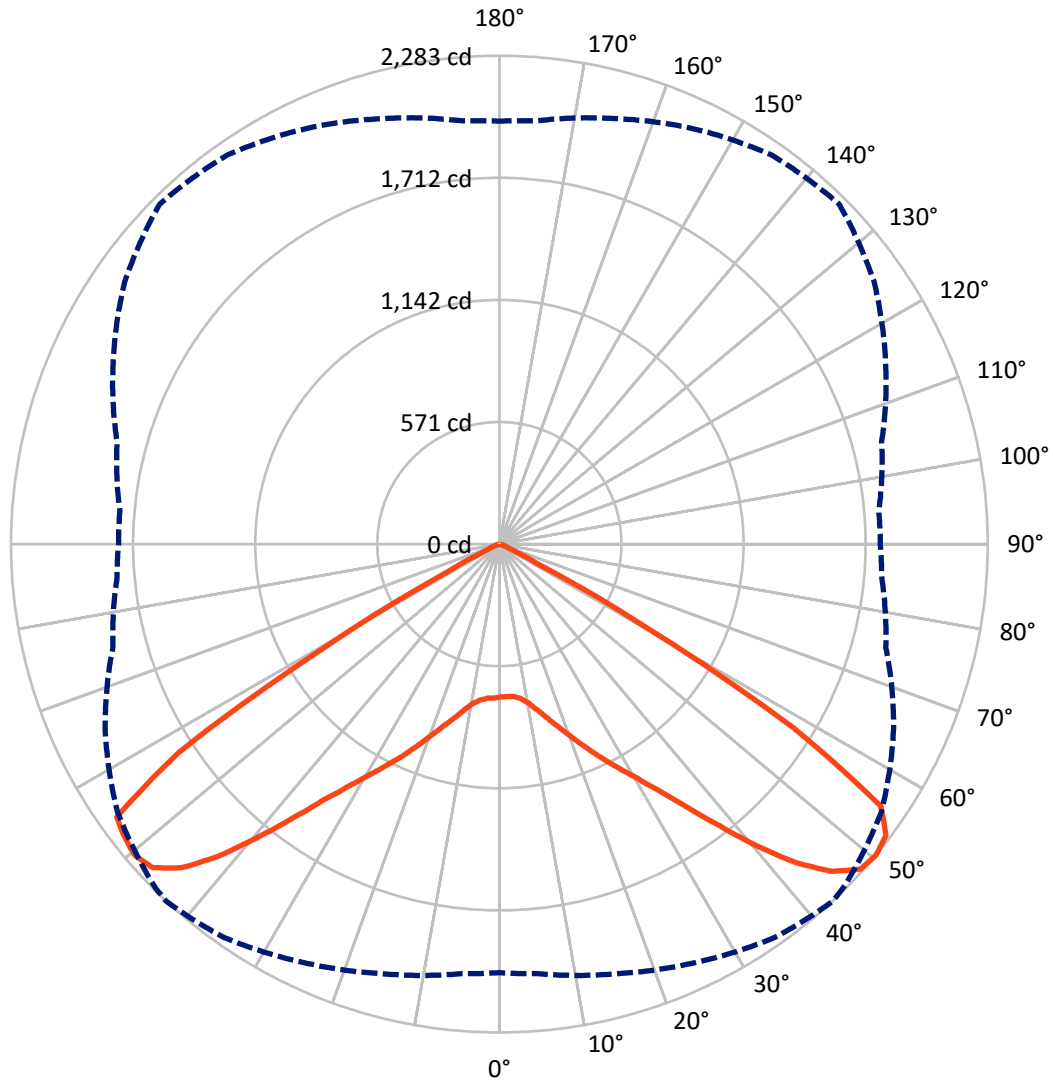
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type V - Short - N/A

REPORT NUMBER: P630876
CATALOG NUMBER: GWS-SA1E-750-U-RW-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630876

CATALOG NUMBER: GWS-SA1E-750-U-RW-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2511.8	0.0	2511.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2512.0	0.0	2512.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5023.8	0.0	5023.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	1.4
10°-20°	242.2	4.8
20°-30°	489.9	9.8
30°-40°	909.0	18.1
40°-50°	1508.8	30.0
50°-60°	1539.8	30.7
60°-70°	252.5	5.0
70°-80°	11.1	0.2
80°-90°	0.2	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°	5023.8	100.0
0°-180°	5023.8	100.0

Coefficient of Utilization



REPORT NUMBER: P630876

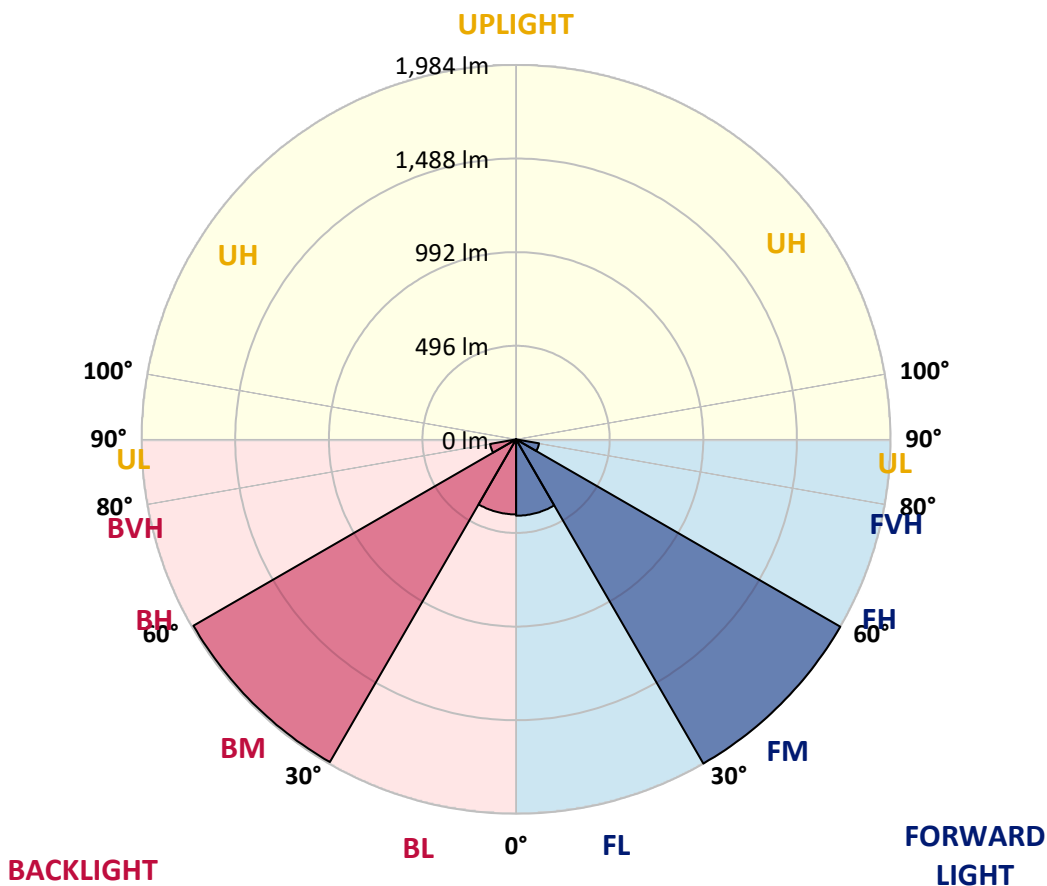
CATALOG NUMBER: GWS-SA1E-750-U-RW-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	404.7	8.1			
FM (30°-60°)	1983.6	39.5			
FH (60°-80°)	123.5	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	397.7	7.9	B1/500		
BM (30°-60°)	1974.0	39.3	B2/2500		
BH (60°-80°)	140.0	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: P630876

CATALOG NUMBER: GWS-SA1E-750-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	714.6	714.6	714.6	714.6	714.6	714.6	714.6	714.6	714.6	714.6	714.6
2.5°	701.2	702.9	705.1	707.3	710.1	712.9	714.6	719.6	718.4	722.9	722.9
5°	693.4	695.1	697.9	702.9	709.0	715.1	719.6	729.6	735.1	744.0	747.3
7.5°	697.3	699.6	702.9	710.7	720.1	729.6	734.6	750.7	761.8	778.5	787.9
10°	710.1	712.3	717.9	731.2	743.4	756.8	762.9	783.5	801.2	824.0	837.4
12.5°	724.6	727.3	738.4	758.5	779.6	797.3	805.7	828.5	846.8	872.4	893.5
15°	739.6	744.0	761.2	790.7	820.7	844.6	853.5	877.9	896.3	923.5	947.4
17.5°	774.6	779.6	799.0	830.7	871.8	899.6	907.4	932.9	946.8	965.2	990.2
20°	818.5	827.9	851.8	890.1	935.1	961.8	967.4	992.4	991.3	999.0	1020.7
22.5°	872.9	879.6	905.7	951.3	1001.8	1031.3	1044.1	1054.6	1040.7	1034.1	1047.9
25°	929.6	937.4	965.7	1015.7	1072.4	1106.3	1116.8	1125.2	1103.0	1077.9	1079.6
27.5°	1002.9	1008.5	1036.3	1089.6	1146.3	1184.6	1194.1	1208.5	1179.1	1139.1	1128.0
30°	1090.2	1095.7	1125.2	1181.3	1237.4	1270.2	1284.6	1302.4	1270.2	1220.2	1207.4
32.5°	1192.4	1198.0	1235.7	1293.5	1339.7	1375.2	1389.1	1408.0	1382.4	1326.3	1311.9
35°	1314.6	1318.0	1362.4	1425.2	1474.1	1508.6	1518.0	1540.2	1511.9	1455.8	1448.0
37.5°	1456.3	1460.2	1508.6	1581.4	1631.4	1669.7	1684.7	1690.8	1656.4	1593.6	1587.5
40°	1611.9	1624.7	1671.9	1750.3	1806.4	1854.7	1868.1	1847.5	1799.2	1713.6	1702.5
42.5°	1774.2	1785.3	1838.1	1923.1	1988.1	2037.5	2038.1	1993.6	1911.4	1793.1	1776.4
45°	1909.2	1913.6	1982.0	2067.5	2147.6	2182.6	2185.9	2105.3	1981.4	1839.2	1803.6
47.5°	2002.0	2009.2	2068.7	2150.9	2239.2	2270.9	2264.2	2163.7	2014.8	1869.2	1810.3
50°	2003.1	2015.3	2079.8	2159.2	2244.8	2283.1	2273.7	2180.3	2033.7	1870.3	1794.2
52.5°	1825.8	1845.8	1950.9	2065.9	2197.0	2262.6	2264.8	2202.0	2026.4	1852.5	1779.7
55°	1377.4	1399.1	1531.4	1727.5	1980.9	2163.7	2195.3	2176.5	2018.1	1860.3	1805.3
57.5°	729.0	712.3	785.7	980.2	1298.5	1621.9	1714.7	1865.8	1925.3	1869.7	1852.5
60°	158.9	169.5	225.6	303.9	506.7	762.9	853.5	1112.4	1420.2	1556.9	1655.8
62.5°	68.3	67.2	70.0	79.5	116.1	193.4	236.1	385.6	608.4	835.7	989.6
65°	56.1	56.7	58.9	58.9	55.0	55.6	58.3	88.3	142.2	199.5	267.8
67.5°	42.2	42.8	46.7	47.8	45.0	40.0	39.5	33.3	35.0	43.9	45.6
70°	26.7	26.7	28.9	30.0	30.0	27.8	27.2	23.9	23.3	26.7	30.0
72.5°	14.4	14.4	15.6	16.1	15.6	15.0	15.0	14.4	13.9	16.1	20.6
75°	6.1	6.1	6.7	6.7	6.1	6.1	6.1	6.1	6.1	7.2	11.1
77.5°	1.1	1.7	2.2	1.7	1.1	1.1	1.1	1.7	1.7	2.2	3.3
80°	0.6	0.6	1.1	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
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: P630876

CATALOG NUMBER: GWS-SA1E-750-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	714.6	714.6	714.6	714.6	714.6	714.6	714.6	714.6	714.6	714.6	714.6
2.5°	726.8	720.7	722.9	724.0	722.3	721.2	715.1	713.4	710.7	706.2	705.1
5°	751.2	746.2	745.7	742.3	734.6	725.1	713.4	708.4	702.9	697.3	696.2
7.5°	792.3	786.2	782.3	771.2	753.5	738.4	719.0	708.4	701.2	694.0	692.3
10°	845.1	837.9	826.8	806.2	782.3	760.7	737.9	724.0	712.9	702.9	702.3
12.5°	901.3	893.5	873.5	847.4	818.5	798.5	769.6	750.1	733.4	718.4	716.8
15°	960.2	950.7	923.5	892.4	865.7	845.1	813.5	782.3	756.8	735.1	732.9
17.5°	1005.2	993.5	961.3	937.9	916.3	895.1	859.6	818.5	784.6	758.5	752.3
20°	1033.5	1022.4	991.8	979.0	969.0	954.0	911.8	869.0	831.2	799.0	793.5
22.5°	1060.7	1047.4	1020.7	1020.7	1028.5	1022.4	976.8	927.9	883.5	846.2	837.9
25°	1091.3	1080.7	1061.8	1077.4	1096.8	1096.3	1049.6	988.5	937.4	895.7	887.4
27.5°	1135.7	1125.2	1118.5	1148.0	1172.4	1170.7	1119.6	1053.5	999.6	958.5	950.7
30°	1214.1	1204.1	1196.9	1232.4	1263.5	1251.9	1195.7	1131.8	1077.4	1030.7	1025.2
32.5°	1318.5	1308.0	1298.5	1334.1	1361.9	1346.9	1293.5	1233.5	1170.7	1125.2	1114.1
35°	1455.8	1433.6	1424.1	1466.3	1478.0	1461.3	1410.2	1357.4	1290.8	1238.5	1231.3
37.5°	1597.5	1571.4	1564.7	1601.4	1620.3	1614.1	1554.1	1499.1	1426.9	1369.1	1360.8
40°	1718.6	1694.7	1683.0	1740.3	1783.1	1786.9	1733.0	1665.8	1580.8	1520.8	1505.8
42.5°	1789.7	1769.2	1766.4	1855.3	1925.3	1975.3	1910.9	1841.4	1751.9	1684.2	1671.9
45°	1805.8	1792.5	1815.8	1932.5	2041.4	2132.6	2077.5	2004.2	1907.5	1835.8	1824.2
47.5°	1804.2	1799.7	1841.4	1972.5	2110.3	2222.6	2195.3	2112.6	2019.2	1944.2	1933.1
50°	1780.3	1780.8	1850.3	1992.5	2138.1	2247.0	2219.8	2143.1	2059.8	1985.9	1977.0
52.5°	1770.8	1767.5	1833.6	1986.4	2166.4	2235.9	2174.8	2088.7	1995.9	1904.7	1891.4
55°	1804.2	1795.8	1835.8	1981.4	2169.8	2229.8	2068.7	1882.0	1691.9	1584.1	1575.2
57.5°	1854.2	1845.3	1864.2	1944.7	1995.9	1854.2	1522.5	1221.3	1025.7	942.9	906.8
60°	1655.8	1649.7	1635.3	1538.0	1319.1	995.2	677.9	432.3	310.6	251.2	251.2
62.5°	1027.4	1019.0	940.7	699.0	507.9	293.9	161.7	101.1	76.7	71.7	71.1
65°	288.4	286.7	237.3	167.8	106.7	66.1	58.3	59.5	58.3	56.7	56.1
67.5°	43.3	47.8	47.8	38.9	37.2	41.7	48.9	52.2	49.5	46.7	45.6
70°	27.8	30.0	28.9	25.0	26.7	31.1	35.0	35.6	33.9	31.1	30.6
72.5°	19.4	21.7	17.8	16.1	16.7	18.3	20.0	20.0	19.4	18.3	17.2
75°	11.7	11.7	8.3	7.8	7.8	8.3	8.3	9.4	9.4	8.9	8.3
77.5°	3.9	4.4	2.8	2.2	2.2	2.2	2.8	3.3	3.3	2.8	2.2
80°	0.6	1.1	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.1	0.6
82.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
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)