

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: P631429

Luminaire Tested: GWS-SA1F-760-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631429
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-760-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4991 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

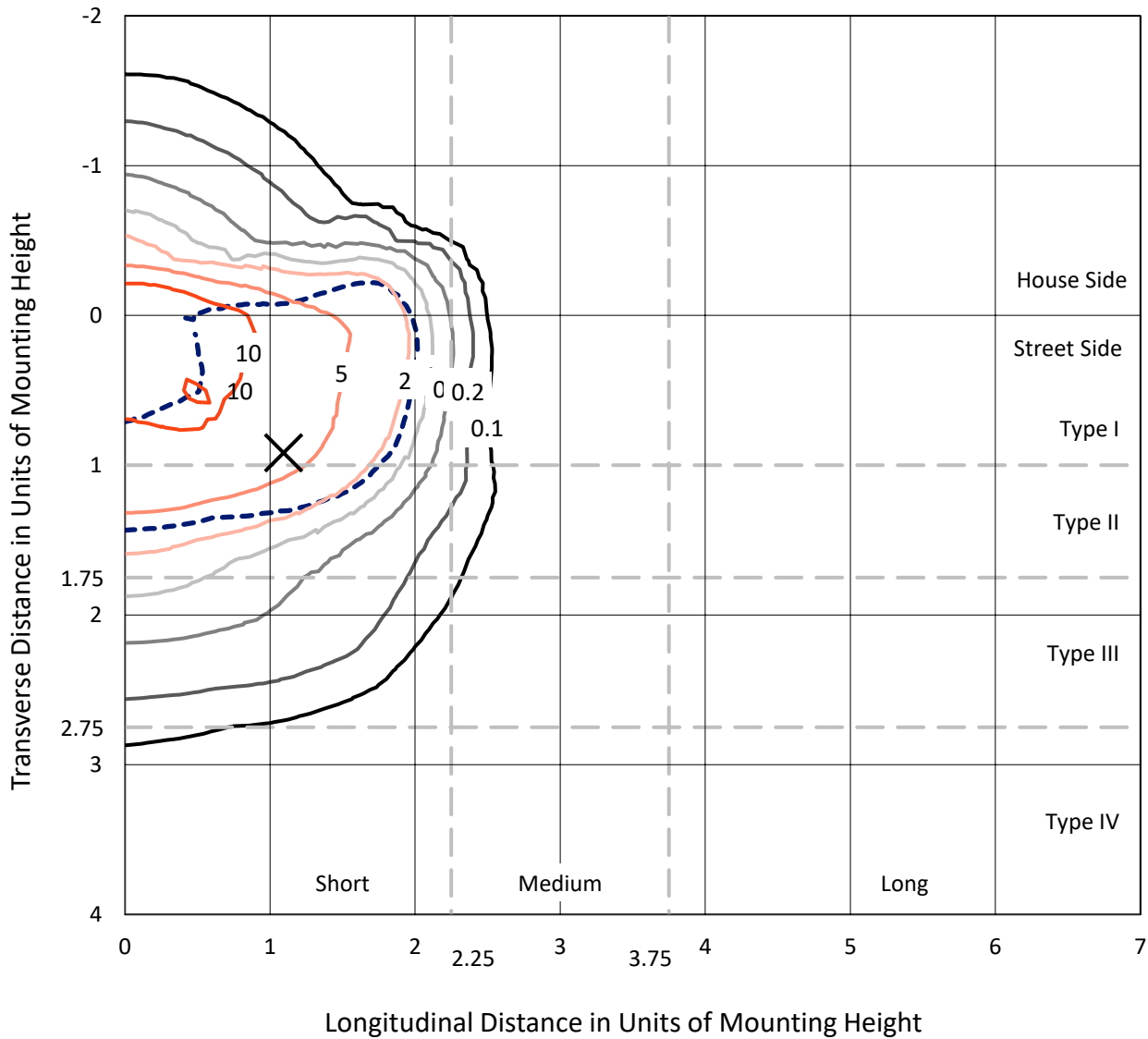
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

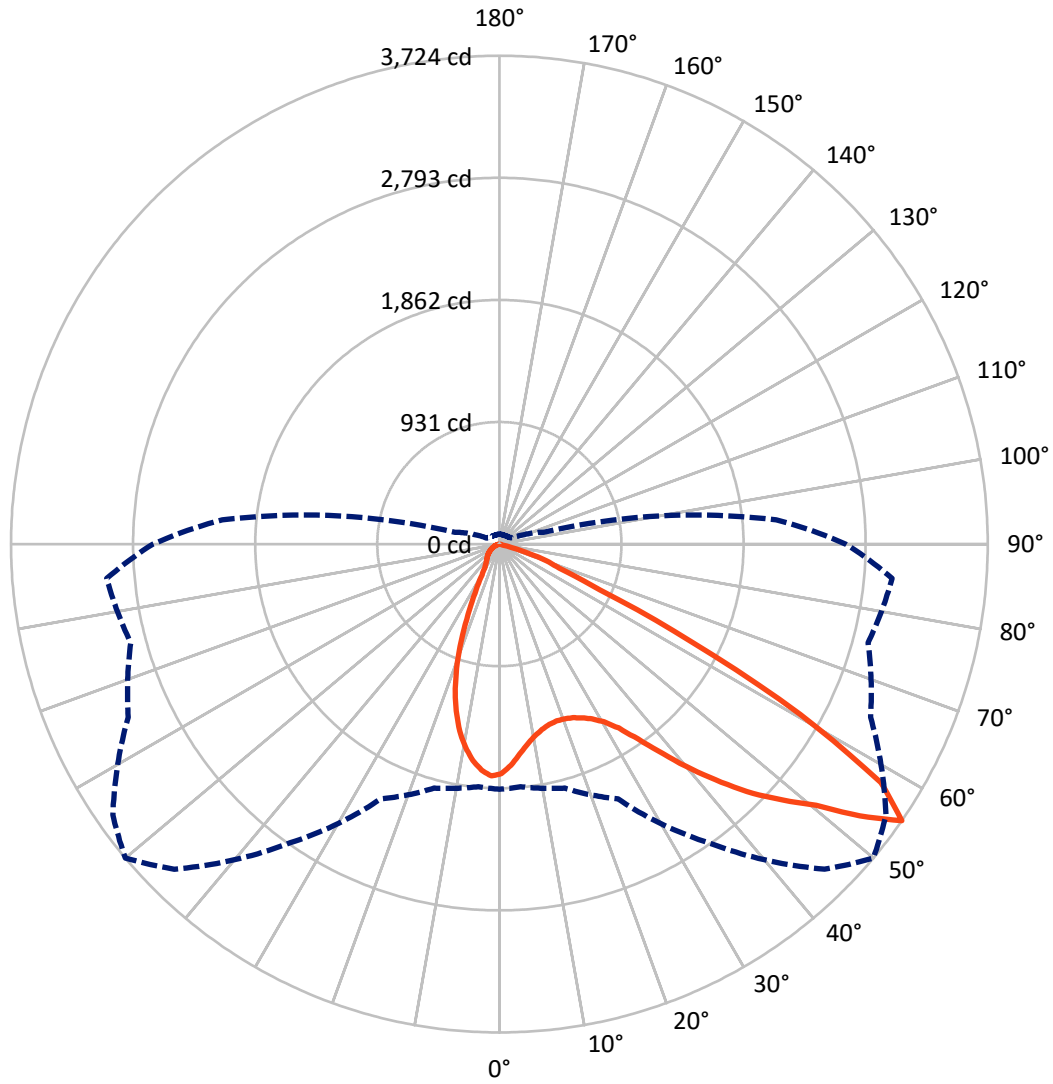
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	983.5	0.0	983.5
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	4007.5	0.0	4007.5
	% Fixture	80.3	0.0	80.3
Total	Lumens	4991.0	0.0	4991.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.8	3.1
10°-20°	378.4	7.6
20°-30°	533.8	10.7
30°-40°	789.9	15.8
40°-50°	1139.6	22.8
50°-60°	1344.2	26.9
60°-70°	599.6	12.0
70°-80°	51.6	1.0
80°-90°	0.0	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°	4991.0	100.0
0°-180°	4991.0	100.0

Coefficient of Utilization



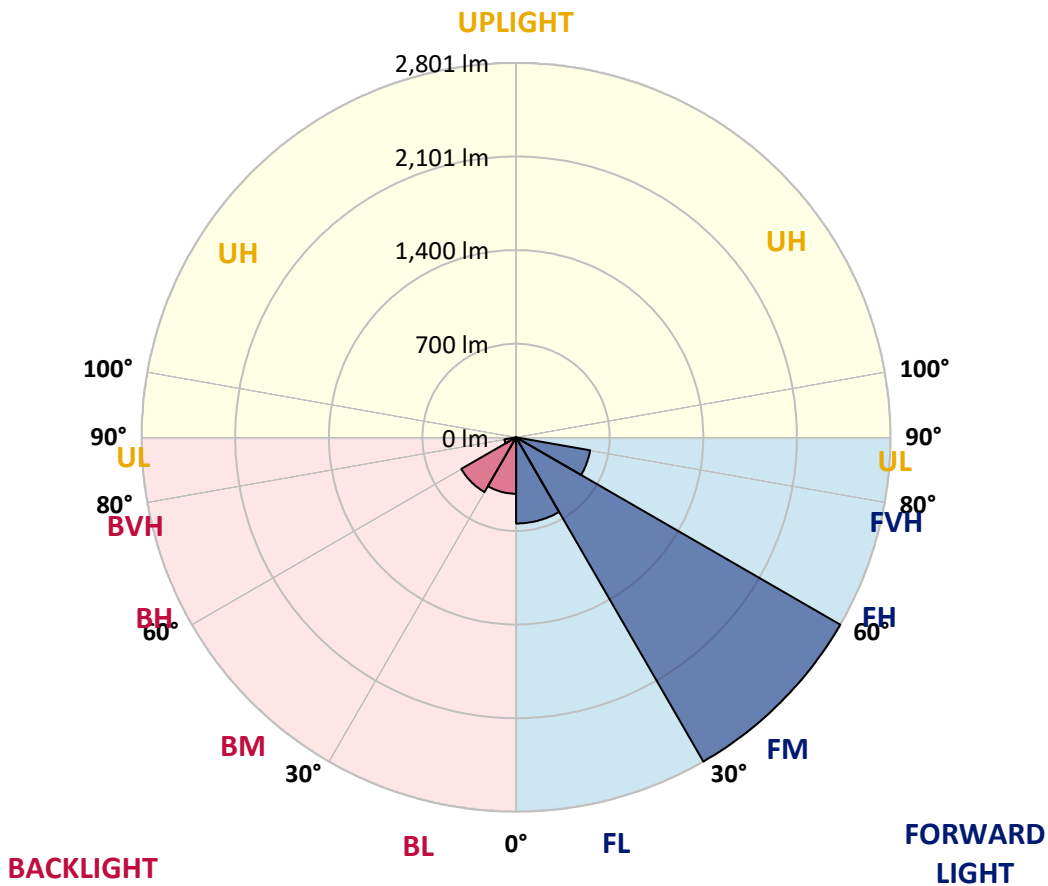
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	644.4	12.9			
FM (30°-60°)	2800.8	56.1			
FH (60°-80°)	562.4	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	421.7	8.4	B1/500		
BM (30°-60°)	473.0	9.5	B1/1000		
BH (60°-80°)	88.8	1.8	B0/110		G0/110
BVH (80°-90°)	0.0	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°	45°	50°	55°	65°	75°	85°
0°	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1
2.5°	1626.8	1628.0	1628.7	1645.1	1651.2	1675.6	1688.4	1695.1	1712.7	1733.5	1750.5
5°	1517.8	1515.9	1519.0	1539.7	1553.1	1589.0	1608.5	1621.9	1660.9	1709.7	1750.5
7.5°	1422.7	1426.4	1430.0	1452.6	1472.7	1511.7	1539.7	1559.8	1614.0	1686.5	1755.4
10°	1355.7	1355.7	1361.2	1386.8	1410.5	1458.7	1486.7	1512.3	1576.9	1665.8	1760.9
12.5°	1306.3	1306.9	1313.6	1342.9	1370.3	1420.3	1449.5	1474.5	1545.8	1645.1	1762.1
15°	1283.2	1281.4	1286.8	1317.9	1348.4	1395.3	1425.8	1450.1	1523.9	1633.5	1768.2
17.5°	1277.1	1275.9	1280.1	1310.6	1341.7	1387.4	1417.2	1441.6	1520.8	1637.2	1786.5
20°	1294.8	1292.3	1290.5	1316.7	1345.9	1391.0	1422.1	1449.5	1535.4	1657.3	1814.5
22.5°	1336.8	1336.8	1332.5	1345.3	1364.8	1405.6	1437.9	1473.9	1573.8	1697.5	1855.9
25°	1414.2	1408.1	1400.2	1405.6	1403.2	1428.8	1467.2	1517.2	1646.3	1763.9	1906.5
27.5°	1502.5	1508.0	1494.6	1495.2	1473.9	1464.8	1509.2	1584.8	1754.2	1857.7	1981.4
30°	1622.6	1618.3	1618.9	1617.1	1567.7	1524.5	1572.6	1673.1	1890.0	2000.9	2078.9
32.5°	1716.4	1722.5	1742.6	1754.2	1689.6	1620.1	1671.3	1793.2	2044.8	2164.2	2198.3
35°	1815.7	1826.7	1867.5	1905.3	1851.0	1771.2	1826.1	1952.2	2190.4	2325.7	2335.4
37.5°	1920.5	1942.4	1991.2	2057.6	2049.1	1978.4	2028.4	2139.2	2305.0	2423.2	2448.8
40°	2040.5	2061.9	2141.7	2237.3	2257.4	2241.6	2258.1	2322.6	2380.5	2427.4	2497.5
42.5°	2172.1	2201.4	2302.5	2430.5	2506.0	2520.1	2481.7	2475.0	2413.4	2378.7	2487.2
45°	2327.5	2361.6	2476.2	2641.9	2761.9	2780.8	2714.4	2628.5	2434.1	2342.7	2456.1
47.5°	2501.8	2534.1	2648.0	2847.2	3025.8	3033.1	2917.3	2779.0	2495.7	2384.2	2479.8
50°	2560.3	2580.4	2679.1	2913.1	3242.1	3298.1	3130.6	2948.4	2619.4	2506.0	2595.6
52.5°	2359.2	2367.1	2453.0	2689.4	3198.2	3558.3	3441.9	3201.2	2839.3	2691.9	2774.1
55°	1869.3	1856.5	1926.0	2142.9	2779.6	3505.3	3724.0	3598.5	3122.6	2910.0	3006.3
57.5°	1307.6	1292.3	1276.5	1423.3	2074.0	2971.5	3431.6	3654.0	3392.6	3126.3	3256.7
60°	1074.8	1060.2	983.4	915.8	1253.9	2133.8	2635.8	3054.4	3370.6	3115.3	3248.8
62.5°	928.6	920.0	889.0	797.0	737.9	1218.0	1650.6	2051.5	2586.5	2446.3	2453.6
65°	729.3	726.9	748.2	758.0	652.6	673.9	842.0	1066.3	1398.3	1318.5	1250.3
67.5°	498.4	492.9	533.1	655.6	627.6	531.9	492.9	497.2	605.0	369.8	293.7
70°	316.8	304.0	304.6	406.4	510.6	419.8	380.2	334.5	301.0	54.8	62.1
72.5°	202.9	195.0	167.6	183.4	236.4	204.7	206.6	177.9	118.8	29.2	34.1
75°	85.3	78.6	60.3	48.1	47.5	29.9	26.2	24.4	16.5	16.5	17.7
77.5°	0.6	0.0	0.0	0.6	1.2	0.6	0.6	1.2	2.4	3.7	4.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1
2.5°	1760.9	1746.2	1762.7	1768.8	1768.2	1768.8	1751.1	1738.9	1738.3	1723.1	1715.8
5°	1767.6	1756.0	1768.2	1760.3	1741.4	1717.6	1685.9	1658.5	1646.3	1628.7	1620.1
7.5°	1780.4	1768.2	1766.4	1734.7	1687.8	1637.8	1581.7	1531.8	1505.0	1472.7	1474.5
10°	1789.5	1775.5	1751.7	1687.1	1609.2	1529.3	1445.9	1371.5	1324.6	1281.4	1274.0
12.5°	1793.2	1772.4	1717.0	1619.5	1509.8	1405.6	1283.2	1177.2	1104.0	1047.4	1039.5
15°	1799.9	1766.4	1672.5	1537.9	1387.4	1239.9	1083.9	938.9	842.0	776.9	782.3
17.5°	1810.2	1759.7	1622.6	1446.5	1255.8	1047.4	836.6	670.2	581.3	543.5	544.1
20°	1824.8	1751.7	1567.7	1345.9	1098.0	829.9	584.9	459.4	434.4	433.2	431.4
22.5°	1844.3	1743.8	1509.2	1235.7	910.9	581.3	389.3	350.3	360.7	380.8	384.5
25°	1867.5	1734.1	1444.0	1111.4	706.8	381.4	291.9	285.8	310.7	337.6	343.6
27.5°	1903.4	1729.2	1369.7	970.0	496.0	273.6	238.8	242.5	265.0	287.6	293.1
30°	1964.4	1738.3	1288.7	811.6	318.7	218.1	207.2	212.6	224.8	236.4	241.3
32.5°	2047.2	1765.1	1210.1	638.5	227.3	189.5	187.1	190.1	195.0	201.7	203.5
35°	2144.1	1811.4	1129.0	457.0	187.7	173.0	170.6	170.6	173.0	174.3	174.9
37.5°	2223.9	1860.2	1052.9	304.0	168.2	160.2	156.6	154.8	154.2	155.4	156.0
40°	2258.7	1880.3	970.0	221.2	154.2	148.7	143.2	137.7	137.7	142.0	142.6
42.5°	2234.3	1857.7	874.3	182.8	144.4	136.5	128.0	123.1	125.5	129.8	131.0
45°	2182.5	1802.3	768.9	161.5	134.7	124.3	114.5	111.5	113.9	119.4	120.6
47.5°	2174.0	1765.7	642.8	147.4	124.3	113.9	103.6	100.5	103.6	107.8	109.1
50°	2258.7	1797.4	502.7	135.3	114.5	103.0	94.4	91.4	93.2	95.7	96.9
52.5°	2413.4	1915.0	405.8	123.7	103.0	92.0	86.5	82.9	82.9	85.3	85.9
55°	2641.9	2120.4	350.3	110.3	89.6	83.5	78.6	74.9	74.9	76.2	76.8
57.5°	2905.1	2368.9	363.1	92.6	78.6	75.6	71.3	68.2	69.5	69.5	69.5
60°	2868.6	2350.7	388.7	78.0	69.5	68.2	64.6	63.4	66.4	64.0	62.8
62.5°	2113.0	1623.8	203.5	64.0	59.7	58.5	56.1	58.5	62.8	56.1	53.6
65°	1026.1	786.0	81.6	52.4	50.6	49.4	48.1	51.8	54.2	43.9	41.4
67.5°	241.3	196.2	53.0	44.5	42.0	39.6	40.8	41.4	39.6	29.9	28.6
70°	62.8	61.5	41.4	37.2	33.5	31.1	31.1	30.5	26.2	18.9	17.7
72.5°	34.1	33.5	29.9	28.0	23.2	20.7	21.3	18.9	14.6	11.0	10.4
75°	17.1	18.3	17.1	15.8	12.8	11.6	11.6	10.4	7.3	4.3	4.3
77.5°	3.7	4.3	4.3	3.7	3.0	2.4	2.4	3.0	1.2	0.0	0.0
80°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)