

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: P630938

Luminaire Tested: GWS-SA1E-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630938
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-760-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III 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: 4471.5 lumens
Efficiency: N/A
Efficacy: 76.6 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

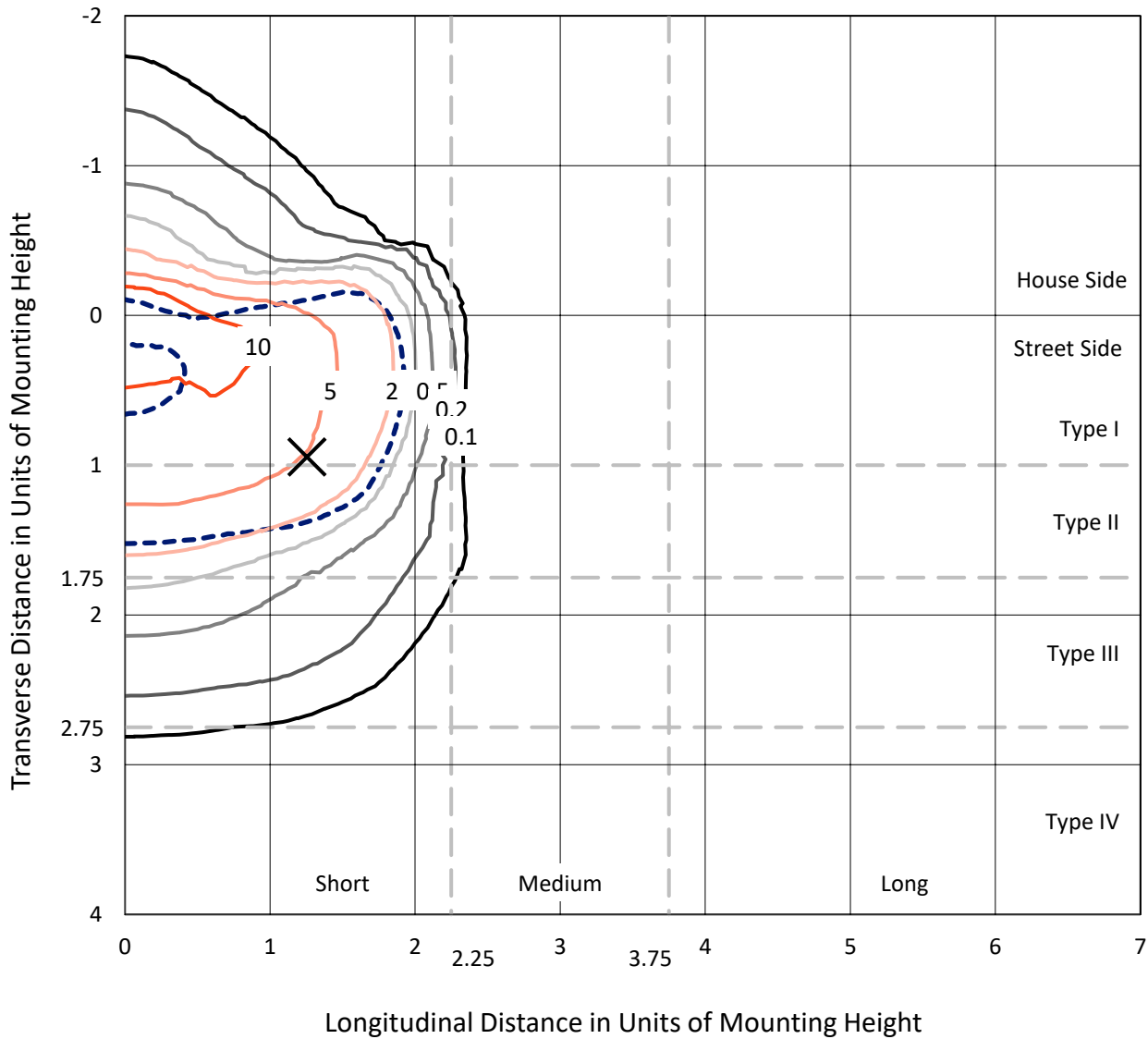
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

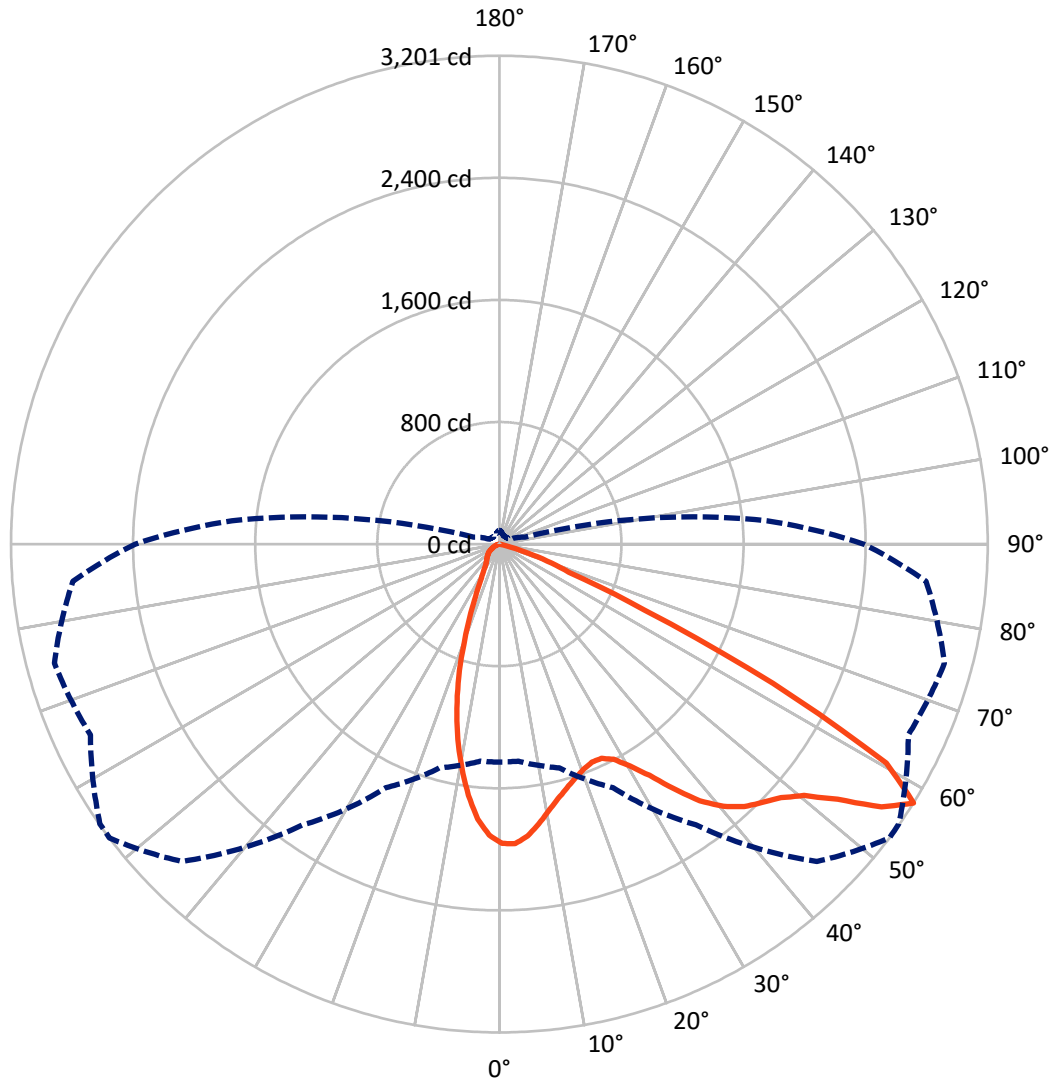
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	738.6	0.0	738.6
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	3732.9	0.0	3732.9
	% Fixture	83.5	0.0	83.5
Total	Lumens	4471.5	0.0	4471.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.8	3.8
10°-20°	368.4	8.2
20°-30°	480.0	10.7
30°-40°	696.2	15.6
40°-50°	1004.5	22.5
50°-60°	1214.9	27.2
60°-70°	495.2	11.1
70°-80°	44.5	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°	4471.5	100.0
0°-180°	4471.5	100.0

Coefficient of Utilization



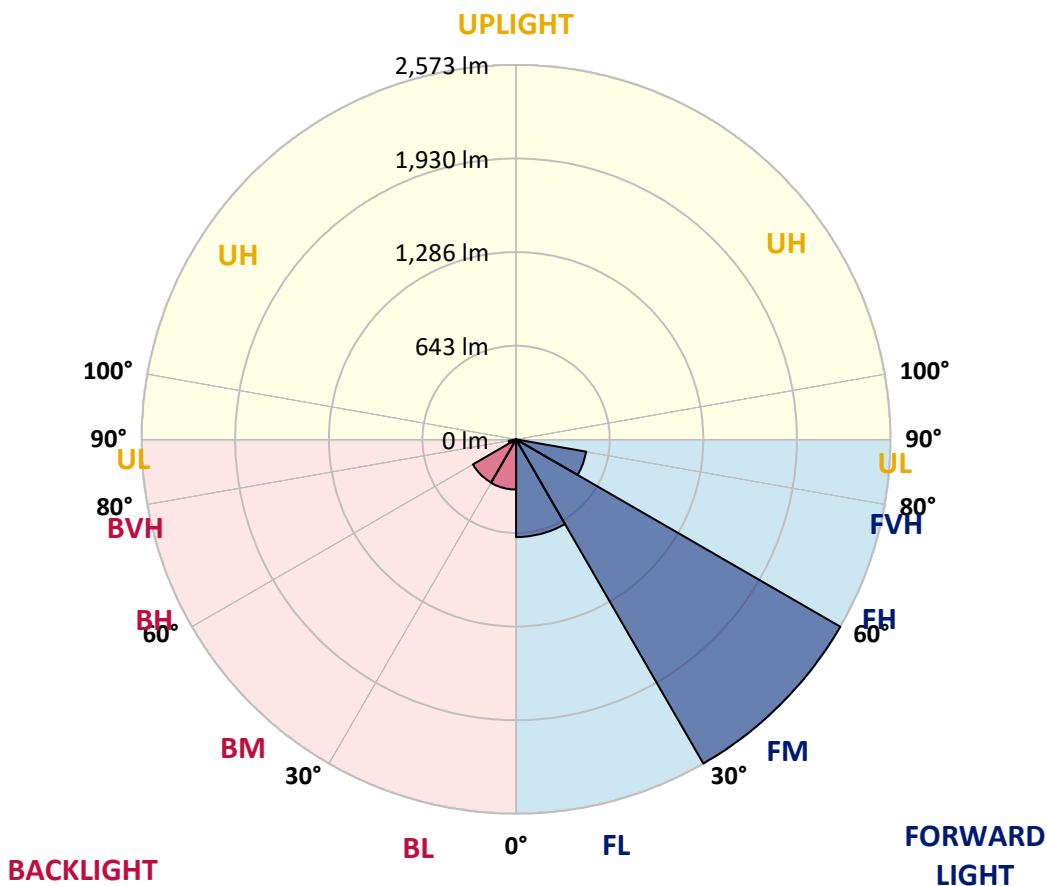
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	671.5	15.0			
FM (30°-60°)	2572.8	57.5			
FH (60°-80°)	488.6	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	344.7	7.7	B1/500		
BM (30°-60°)	342.8	7.7	B1/1000		
BH (60°-80°)	51.1	1.1	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°	53°	55°	65°	75°	85°
0°	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5
2.5°	1934.1	1938.4	1946.1	1956.0	1962.6	1965.8	1965.8	1975.2	1969.1	1964.2	1958.7
5°	1851.3	1855.7	1866.1	1882.0	1897.9	1909.4	1922.5	1932.4	1936.2	1936.2	1926.9
7.5°	1734.6	1740.6	1747.2	1769.1	1803.6	1829.4	1851.8	1866.1	1886.9	1893.5	1880.3
10°	1609.1	1615.1	1629.9	1660.0	1699.5	1737.9	1776.2	1794.3	1829.9	1848.6	1833.8
12.5°	1502.7	1505.5	1525.2	1561.4	1611.8	1664.4	1711.0	1729.6	1780.1	1808.0	1790.5
15°	1415.1	1416.7	1436.4	1476.4	1534.5	1599.2	1657.8	1677.0	1738.9	1781.1	1754.8
17.5°	1348.7	1349.3	1366.3	1409.6	1470.4	1542.2	1611.8	1635.4	1715.4	1766.4	1726.9
20°	1315.3	1313.7	1325.7	1363.5	1421.1	1492.9	1575.1	1604.1	1702.2	1764.2	1705.5
22.5°	1315.9	1312.0	1317.0	1343.8	1392.6	1460.0	1552.1	1584.9	1703.3	1773.5	1687.4
25°	1347.1	1341.6	1342.7	1357.0	1391.5	1452.9	1555.4	1590.4	1725.2	1804.7	1680.9
27.5°	1399.7	1393.7	1393.7	1400.8	1419.4	1475.3	1596.5	1636.5	1783.9	1865.5	1694.6
30°	1467.7	1461.6	1459.4	1466.6	1481.9	1533.4	1688.0	1729.6	1884.2	1965.3	1738.4
32.5°	1545.5	1538.4	1542.2	1552.1	1566.9	1638.1	1805.8	1861.2	2009.7	2099.6	1817.3
35°	1627.7	1621.7	1639.2	1660.6	1683.6	1783.3	1968.6	2016.8	2163.7	2266.7	1937.9
37.5°	1706.1	1703.3	1740.0	1785.0	1832.7	1957.6	2134.1	2171.4	2295.8	2448.7	2085.3
40°	1784.4	1783.9	1846.9	1925.8	2002.0	2131.3	2259.6	2290.3	2376.3	2590.1	2226.7
42.5°	1872.1	1872.1	1959.3	2064.5	2165.9	2278.2	2351.7	2365.4	2412.5	2671.7	2333.0
45°	1956.0	1960.9	2061.7	2184.0	2304.0	2392.8	2415.2	2416.3	2427.3	2719.9	2421.3
47.5°	2022.3	2026.7	2147.2	2288.1	2417.4	2479.9	2483.2	2478.3	2466.2	2766.0	2489.2
50°	2076.0	2082.6	2208.6	2357.7	2495.3	2563.8	2589.0	2584.0	2553.3	2815.3	2536.9
52.5°	2102.3	2111.6	2230.0	2392.2	2581.8	2707.3	2777.5	2789.0	2683.8	2842.7	2582.4
55°	1891.9	1905.6	2014.6	2236.6	2630.1	2929.3	3039.5	3037.3	2825.2	2924.4	2693.1
57.5°	1428.8	1427.7	1518.1	1760.9	2246.4	2941.9	3200.6	3196.2	2957.3	3019.2	2806.5
60°	972.8	966.2	990.3	1107.6	1570.7	2396.6	2912.9	2972.1	2863.5	2789.0	2382.9
62.5°	800.7	794.7	787.0	754.7	902.1	1492.9	2012.4	2102.3	2088.1	1938.4	1494.5
65°	655.5	660.4	681.8	668.1	627.5	765.6	1044.6	1097.7	1003.5	844.5	522.3
67.5°	483.4	485.6	513.5	585.9	563.9	509.7	491.6	500.4	293.2	134.8	87.1
70°	285.5	287.2	312.9	409.9	457.6	391.3	332.1	327.2	116.2	36.2	39.5
72.5°	161.7	158.4	163.3	195.1	249.4	207.7	171.0	155.6	35.1	20.3	20.3
75°	76.7	74.5	64.1	60.3	54.8	35.1	21.9	18.6	8.8	8.2	8.2
77.5°	0.5	1.6	1.1	1.6	1.6	1.1	0.5	0.5	1.6	1.6	2.2
80°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5
2.5°	1948.8	1932.4	1928.6	1927.5	1912.1	1895.7	1878.7	1872.1	1862.3	1856.2	1861.2
5°	1912.1	1888.6	1867.7	1848.6	1814.6	1777.3	1745.0	1724.2	1704.4	1691.3	1694.6
7.5°	1860.1	1829.4	1781.7	1732.9	1670.4	1614.5	1552.1	1513.7	1478.1	1458.3	1467.7
10°	1804.7	1764.2	1688.0	1605.2	1507.1	1419.4	1330.1	1257.2	1215.0	1175.0	1179.4
12.5°	1750.5	1696.7	1582.8	1457.3	1333.4	1204.1	1069.2	968.4	899.3	849.5	841.8
15°	1700.0	1631.0	1480.3	1314.8	1146.0	973.9	801.8	657.7	577.6	528.3	525.0
17.5°	1655.1	1569.6	1374.0	1165.7	954.1	733.8	536.0	428.0	382.0	360.6	358.4
20°	1611.8	1507.7	1265.4	1014.4	744.8	515.2	369.9	320.1	305.3	296.5	297.6
22.5°	1570.2	1440.3	1151.4	846.7	558.5	361.7	286.6	267.4	265.8	266.9	267.4
25°	1535.1	1378.3	1034.2	685.1	398.4	275.7	239.5	234.0	238.9	246.1	247.2
27.5°	1517.0	1327.9	919.6	522.3	288.3	224.2	207.7	209.9	218.7	226.3	227.4
30°	1521.9	1290.1	801.2	378.7	222.0	189.1	183.6	188.0	196.7	203.9	205.0
32.5°	1557.0	1270.9	680.1	275.7	182.5	165.0	162.8	166.1	173.7	179.2	179.8
35°	1626.6	1275.3	565.0	211.0	156.7	146.9	146.3	148.5	152.4	156.2	156.7
37.5°	1729.1	1310.9	451.6	175.4	141.9	134.8	132.6	132.6	135.4	137.0	138.1
40°	1839.2	1364.6	361.7	155.1	131.5	123.9	119.5	117.8	120.0	122.2	122.8
42.5°	1930.2	1418.3	293.8	140.8	123.3	112.9	107.4	106.3	109.1	112.9	114.0
45°	1999.8	1460.0	245.0	129.3	114.0	102.5	96.5	96.5	101.4	108.0	109.1
47.5°	2063.4	1493.4	208.8	118.9	105.2	93.2	87.1	88.2	96.5	105.2	106.9
50°	2106.7	1520.3	182.0	109.6	98.1	85.5	80.0	82.2	92.1	102.5	104.1
52.5°	2153.3	1553.2	164.4	101.4	91.5	79.5	74.5	76.2	87.1	98.6	100.8
55°	2282.1	1663.3	163.9	90.4	80.0	71.2	69.1	69.6	80.6	93.7	96.5
57.5°	2387.3	1760.3	174.8	76.2	66.9	62.5	61.4	61.9	71.8	86.6	89.9
60°	1975.2	1367.9	144.7	63.0	55.9	54.8	53.2	54.3	63.6	76.7	79.5
62.5°	1169.0	782.1	69.1	48.2	47.7	46.6	44.9	47.1	55.9	67.4	69.1
65°	399.5	231.8	43.8	39.5	40.6	38.9	37.3	39.5	47.1	53.7	54.3
67.5°	76.7	61.4	35.1	32.9	33.4	30.1	29.6	31.8	36.2	37.3	36.7
70°	40.0	35.6	26.9	26.9	25.8	21.4	21.4	23.6	23.6	21.9	21.4
72.5°	20.8	19.7	17.5	19.7	16.4	13.2	13.2	14.2	13.2	11.0	11.0
75°	8.2	8.2	7.7	9.9	7.1	6.0	5.5	6.6	4.9	3.8	3.8
77.5°	2.2	2.2	2.2	2.7	1.6	1.6	1.1	1.1	0.5	0.0	0.0
80°	0.0	0.5	0.0	0.5	0.0	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)