

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: P632584

Luminaire Tested: GWS-SA2D-722-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632584
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-SA2D-722-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5050.2 lumens
Efficiency: N/A
Efficacy: 61.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

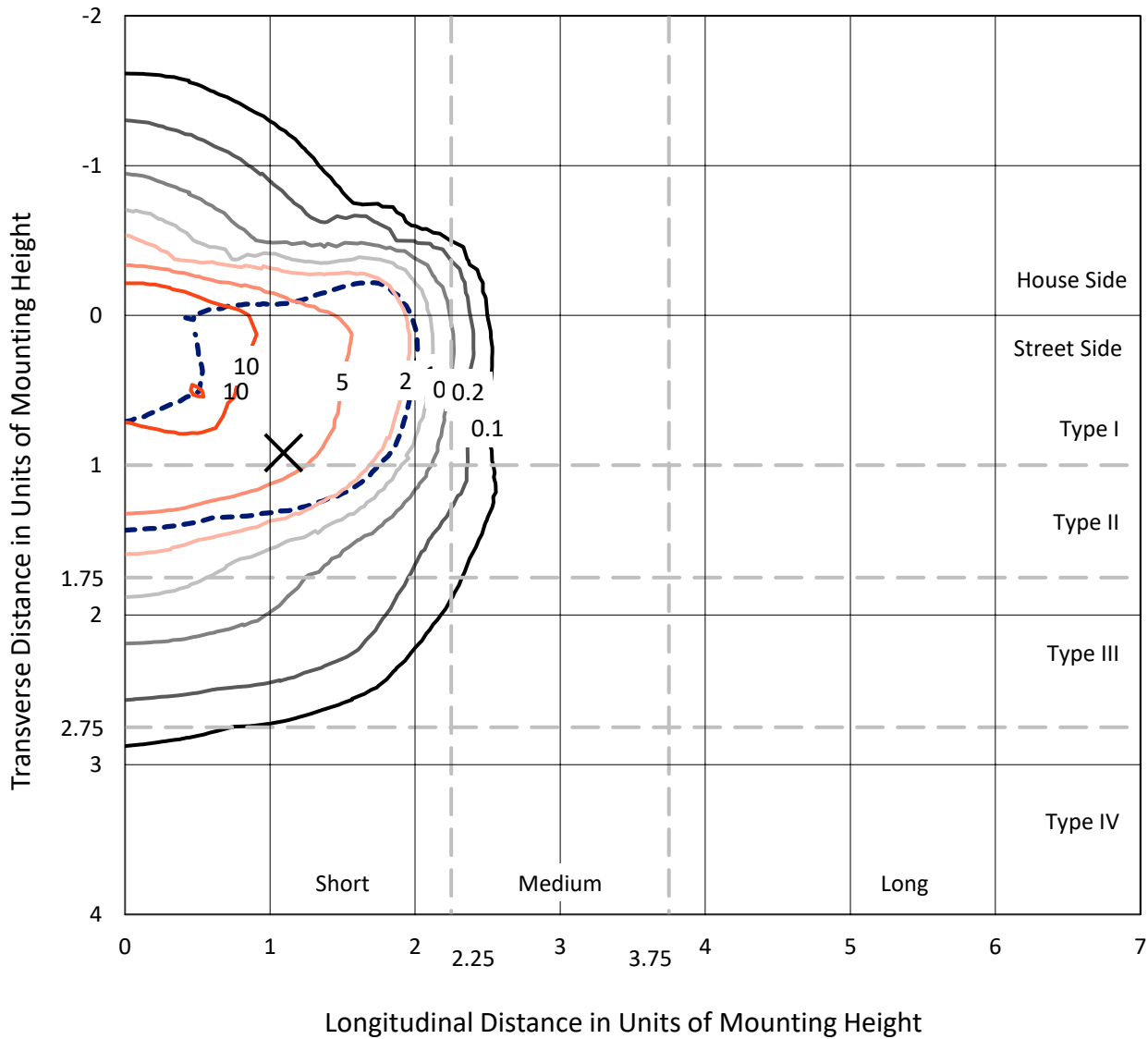
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

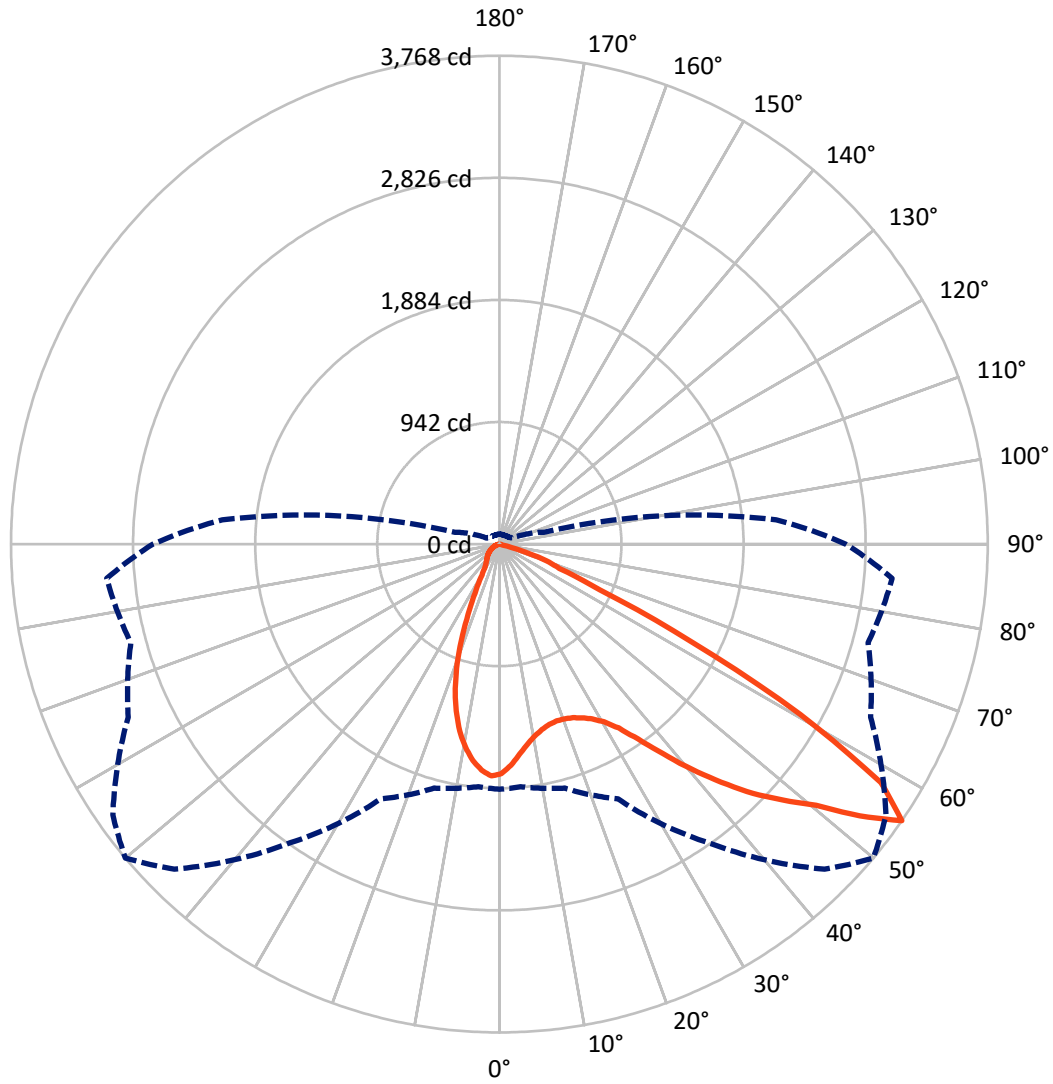
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.7 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	995.1	0.0	995.1
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	4055.1	0.0	4055.1
	% Fixture	80.3	0.0	80.3
Total	Lumens	5050.2	0.0	5050.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.6	3.1
10°-20°	382.9	7.6
20°-30°	540.1	10.7
30°-40°	799.3	15.8
40°-50°	1153.1	22.8
50°-60°	1360.2	26.9
60°-70°	606.8	12.0
70°-80°	52.2	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°	5050.2	100.0
0°-180°	5050.2	100.0

Coefficient of Utilization



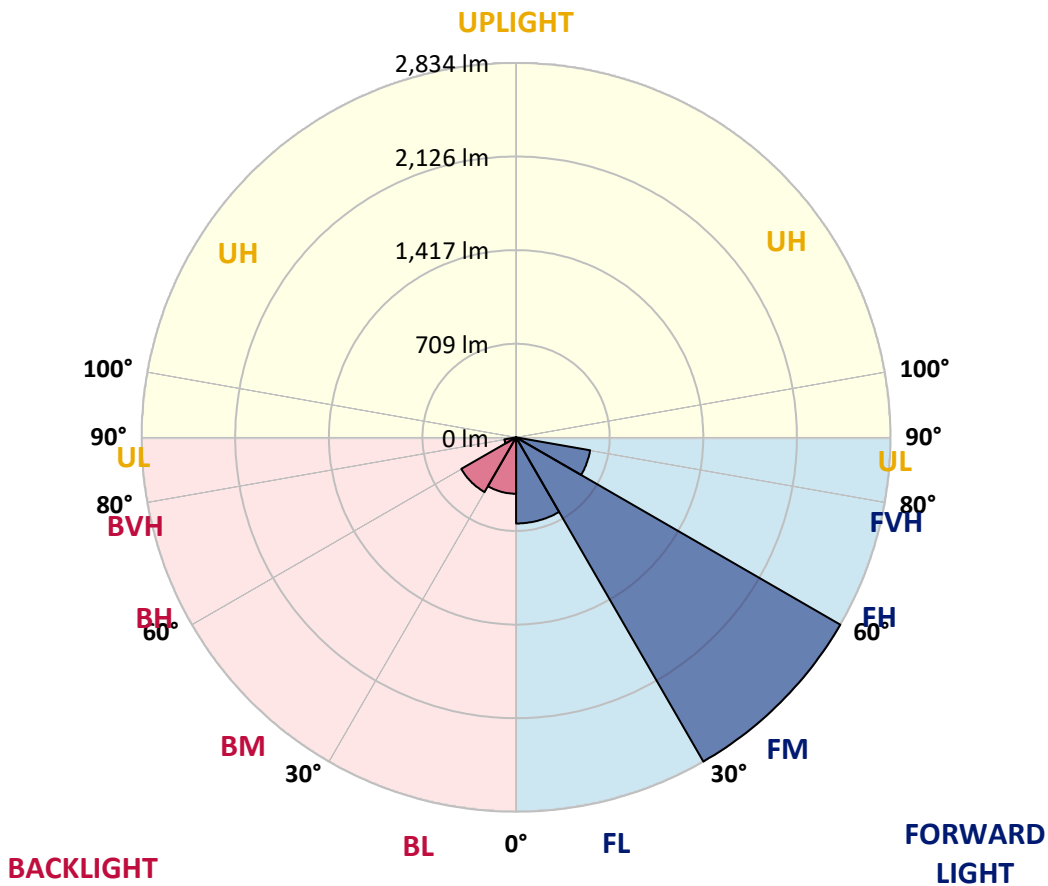
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	652.0	12.9			
FM (30°-60°)	2834.0	56.1			
FH (60°-80°)	569.1	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	426.7	8.4	B1/500		
BM (30°-60°)	478.6	9.5	B1/1000		
BH (60°-80°)	89.8	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°	1771.9	1771.9	1771.9	1771.9	1771.9	1771.9	1771.9	1771.9	1771.9	1771.9	1771.9
2.5°	1646.1	1647.4	1648.0	1664.6	1670.8	1695.4	1708.4	1715.2	1733.0	1754.0	1771.3
5°	1535.8	1533.9	1537.0	1558.0	1571.5	1607.9	1627.6	1641.2	1680.6	1730.0	1771.3
7.5°	1439.6	1443.3	1447.0	1469.8	1490.1	1529.6	1558.0	1578.3	1633.2	1706.5	1776.2
10°	1371.8	1371.8	1377.3	1403.2	1427.3	1476.0	1504.3	1530.2	1595.6	1685.6	1781.8
12.5°	1321.8	1322.4	1329.2	1358.8	1386.6	1437.1	1466.7	1492.0	1564.1	1664.6	1783.0
15°	1298.4	1296.6	1302.1	1333.5	1364.4	1411.8	1442.7	1467.3	1541.9	1652.9	1789.2
17.5°	1292.2	1291.0	1295.3	1326.1	1357.6	1403.8	1434.0	1458.7	1538.8	1656.6	1807.6
20°	1310.1	1307.6	1305.8	1332.3	1361.9	1407.5	1439.0	1466.7	1553.6	1676.9	1836.0
22.5°	1352.7	1352.7	1348.3	1361.3	1381.0	1422.3	1455.0	1491.4	1592.5	1717.6	1877.9
25°	1431.0	1424.8	1416.8	1422.3	1419.9	1445.7	1484.6	1535.1	1665.8	1784.8	1929.1
27.5°	1520.3	1525.9	1512.3	1513.0	1491.4	1482.1	1527.1	1603.6	1775.0	1879.8	2004.9
30°	1641.8	1637.5	1638.1	1636.3	1586.3	1542.5	1591.2	1693.0	1912.5	2024.7	2103.6
32.5°	1736.7	1742.9	1763.3	1775.0	1709.6	1639.3	1691.1	1814.4	2069.1	2189.9	2224.4
35°	1837.2	1848.3	1889.6	1927.9	1873.0	1792.2	1847.7	1975.3	2216.4	2353.3	2363.1
37.5°	1943.3	1965.5	2014.8	2082.0	2073.4	2001.9	2052.4	2164.6	2332.3	2451.9	2477.8
40°	2064.7	2086.3	2167.1	2263.9	2284.2	2268.2	2284.8	2350.2	2408.8	2456.2	2527.1
42.5°	2197.9	2227.5	2329.8	2459.3	2535.8	2549.9	2511.1	2504.3	2442.1	2406.9	2516.7
45°	2355.1	2389.6	2505.6	2673.2	2794.7	2813.8	2746.6	2659.7	2463.0	2370.5	2485.2
47.5°	2531.4	2564.1	2679.4	2881.0	3061.7	3069.1	2951.9	2812.0	2525.3	2412.5	2509.3
50°	2590.6	2611.0	2710.9	2947.6	3280.5	3337.2	3167.7	2983.4	2650.4	2535.8	2626.4
52.5°	2387.2	2395.2	2482.1	2721.3	3236.1	3600.5	3482.7	3239.2	2873.0	2723.8	2807.0
55°	1891.5	1878.5	1948.8	2168.3	2812.6	3546.9	3768.2	3641.2	3159.7	2944.5	3041.9
57.5°	1323.1	1307.6	1291.6	1440.2	2098.6	3006.8	3472.3	3697.3	3432.8	3163.4	3295.3
60°	1087.5	1072.8	995.1	926.6	1268.8	2159.1	2667.1	3090.6	3410.6	3152.3	3287.3
62.5°	939.6	931.0	899.5	806.4	746.6	1232.4	1670.2	2075.8	2617.1	2475.3	2482.7
65°	738.0	735.5	757.1	767.0	660.3	681.9	852.0	1078.9	1414.9	1334.2	1265.1
67.5°	504.3	498.8	539.5	663.4	635.0	538.2	498.8	503.1	612.2	374.2	297.2
70°	320.6	307.6	308.3	411.2	516.6	424.8	384.7	338.5	304.6	55.5	62.9
72.5°	205.3	197.3	169.5	185.6	239.2	207.2	209.0	180.0	120.2	29.6	34.5
75°	86.3	79.5	61.0	48.7	48.1	30.2	26.5	24.7	16.6	16.6	17.9
77.5°	0.6	0.0	0.0	0.6	1.2	0.6	0.6	1.2	2.5	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°	1771.9	1771.9	1771.9	1771.9	1771.9	1771.9	1771.9	1771.9	1771.9	1771.9	1771.9
2.5°	1781.8	1767.0	1783.6	1789.8	1789.2	1789.8	1771.9	1759.6	1758.9	1743.5	1736.1
5°	1788.5	1776.8	1789.2	1781.1	1762.0	1738.0	1705.9	1678.2	1665.8	1648.0	1639.3
7.5°	1801.5	1789.2	1787.3	1755.2	1707.8	1657.2	1600.5	1549.9	1522.8	1490.1	1492.0
10°	1810.7	1796.6	1772.5	1707.2	1628.2	1547.5	1463.0	1387.8	1340.3	1296.6	1289.2
12.5°	1814.4	1793.5	1737.4	1638.7	1527.7	1422.3	1298.4	1191.1	1117.1	1059.8	1051.8
15°	1821.2	1787.3	1692.4	1556.1	1403.8	1254.6	1096.8	950.1	852.0	786.1	791.6
17.5°	1831.7	1780.5	1641.8	1463.6	1270.7	1059.8	846.5	678.2	588.2	549.9	550.6
20°	1846.5	1772.5	1586.3	1361.9	1111.0	839.7	591.9	464.9	439.6	438.3	436.5
22.5°	1866.2	1764.5	1527.1	1250.3	921.7	588.2	394.0	354.5	365.0	385.3	389.0
25°	1889.6	1754.6	1461.2	1124.5	715.2	385.9	295.3	289.1	314.4	341.6	347.7
27.5°	1926.0	1749.7	1385.9	981.5	501.9	276.8	241.7	245.4	268.2	291.0	296.5
30°	1987.7	1758.9	1303.9	821.2	322.4	220.7	209.6	215.2	227.5	239.2	244.1
32.5°	2071.5	1786.1	1224.4	646.1	230.0	191.7	189.3	192.4	197.3	204.1	205.9
35°	2169.5	1832.9	1142.4	462.4	189.9	175.1	172.6	172.6	175.1	176.3	176.9
37.5°	2250.3	1882.2	1065.4	307.6	170.2	162.1	158.4	156.6	156.0	157.2	157.8
40°	2285.5	1902.6	981.5	223.8	156.0	150.4	144.9	139.3	139.3	143.7	144.3
42.5°	2260.8	1879.8	884.7	185.0	146.1	138.1	129.5	124.5	127.0	131.3	132.6
45°	2208.4	1823.7	778.1	163.4	136.3	125.8	115.9	112.8	115.3	120.8	122.1
47.5°	2199.8	1786.7	650.4	149.2	125.8	115.3	104.8	101.7	104.8	109.1	110.4
50°	2285.5	1818.7	508.6	136.9	115.9	104.2	95.6	92.5	94.3	96.8	98.0
52.5°	2442.1	1937.7	410.6	125.2	104.2	93.1	87.5	83.8	83.8	86.3	86.9
55°	2673.2	2145.5	354.5	111.6	90.6	84.5	79.5	75.8	75.8	77.1	77.7
57.5°	2939.6	2397.0	367.4	93.7	79.5	76.4	72.1	69.1	70.3	70.3	70.3
60°	2902.6	2378.6	393.3	78.9	70.3	69.1	65.4	64.1	67.2	64.7	63.5
62.5°	2138.1	1643.0	205.9	64.7	60.4	59.2	56.7	59.2	63.5	56.7	54.3
65°	1038.2	795.3	82.6	53.0	51.2	49.9	48.7	52.4	54.9	44.4	41.9
67.5°	244.1	198.5	53.6	45.0	42.5	40.1	41.3	41.9	40.1	30.2	29.0
70°	63.5	62.3	41.9	37.6	33.9	31.4	31.4	30.8	26.5	19.1	17.9
72.5°	34.5	33.9	30.2	28.4	23.4	21.0	21.6	19.1	14.8	11.1	10.5
75°	17.3	18.5	17.3	16.0	12.9	11.7	11.7	10.5	7.4	4.3	4.3
77.5°	3.7	4.3	4.3	3.7	3.1	2.5	2.5	3.1	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)