

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: P632419

Luminaire Tested: GWS-SA2C-760-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632419
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-SA2C-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5483 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

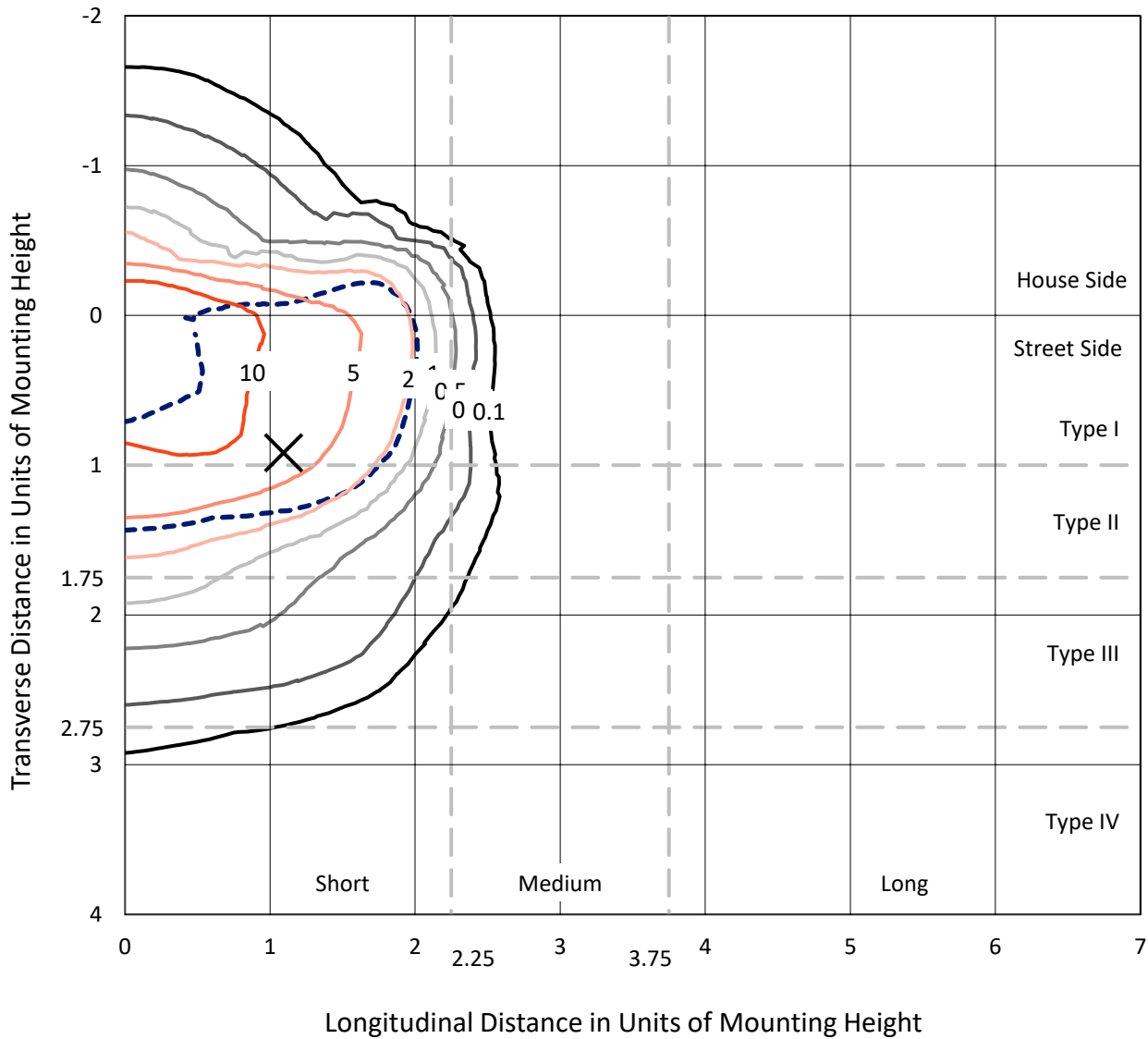
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

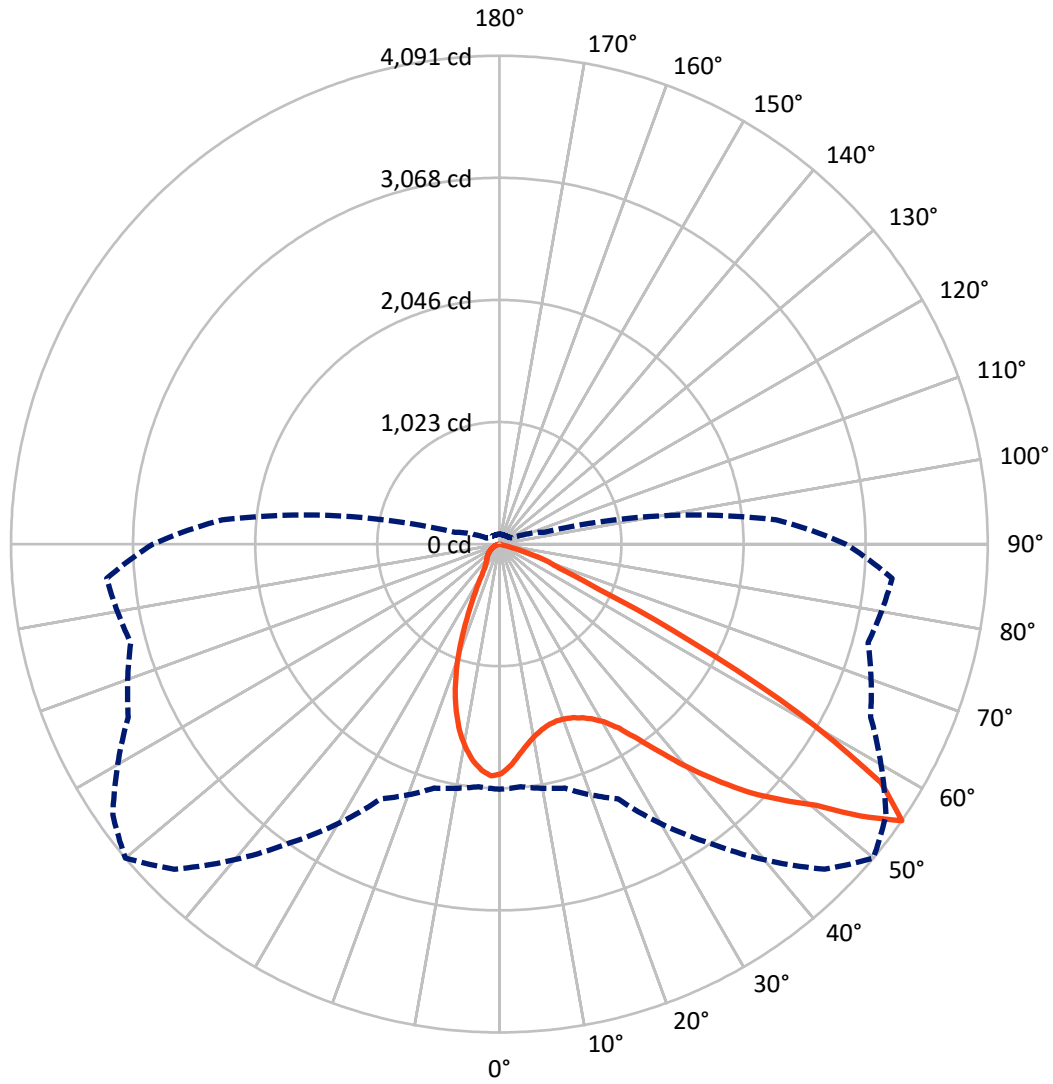
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.2 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	1080.4	0.0	1080.4
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	4402.6	0.0	4402.6
	% Fixture	80.3	0.0	80.3
Total	Lumens	5483.0	0.0	5483.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.9	3.1
10°-20°	415.7	7.6
20°-30°	586.4	10.7
30°-40°	867.8	15.8
40°-50°	1251.9	22.8
50°-60°	1476.7	26.9
60°-70°	658.8	12.0
70°-80°	56.6	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°	5483.0	100.0
0°-180°	5483.0	100.0

Coefficient of Utilization



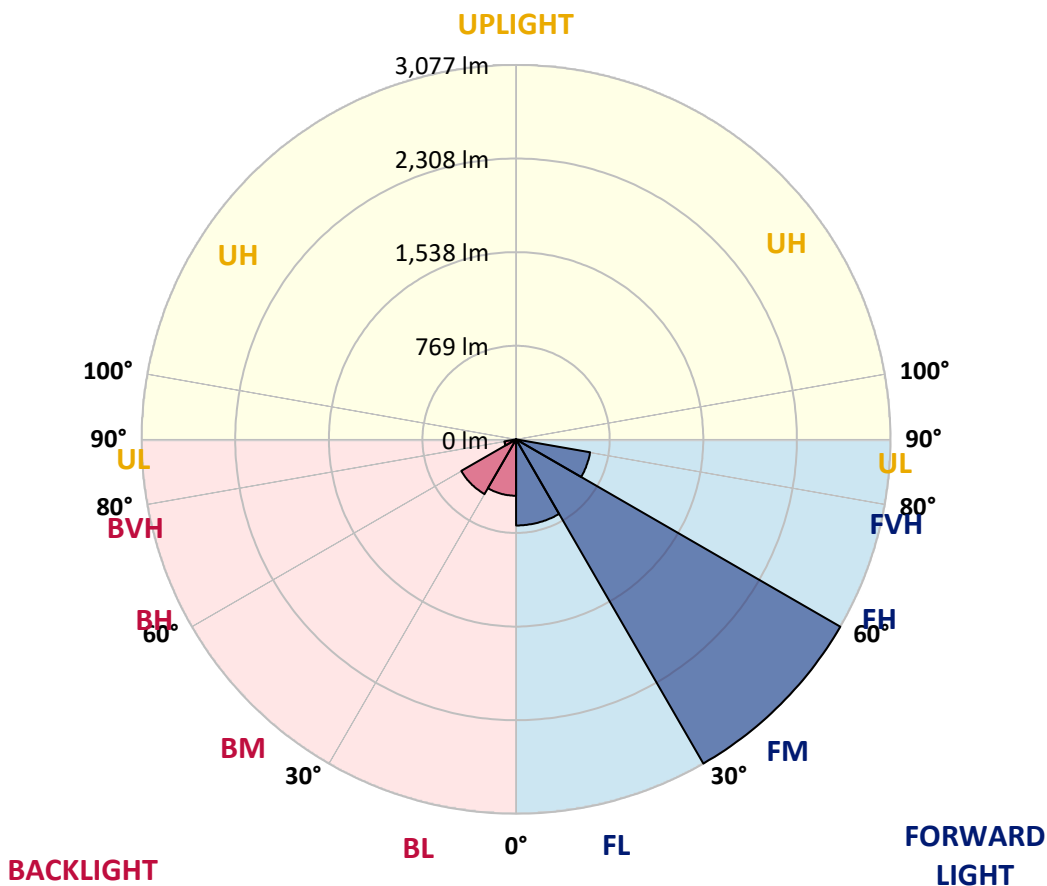
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	707.9	12.9			
FM (30°-60°)	3076.9	56.1			
FH (60°-80°)	617.8	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	463.2	8.4	B1/500		
BM (30°-60°)	519.6	9.5	B1/1000		
BH (60°-80°)	97.6	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°	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7
2.5°	1787.2	1788.5	1789.2	1807.3	1814.0	1840.7	1854.8	1862.2	1881.6	1904.3	1923.1
5°	1667.4	1665.4	1668.7	1691.5	1706.2	1745.7	1767.1	1781.8	1824.7	1878.2	1923.1
7.5°	1563.0	1567.0	1571.0	1595.8	1617.8	1660.7	1691.5	1713.6	1773.1	1852.8	1928.4
10°	1489.3	1489.3	1495.4	1523.5	1549.6	1602.4	1633.2	1661.4	1732.3	1830.0	1934.5
12.5°	1435.1	1435.8	1443.1	1475.3	1505.4	1560.3	1592.4	1619.9	1698.2	1807.3	1935.8
15°	1409.7	1407.7	1413.7	1447.8	1481.3	1532.8	1566.3	1593.1	1674.1	1794.6	1942.5
17.5°	1403.0	1401.6	1406.3	1439.8	1473.9	1524.1	1556.9	1583.7	1670.7	1798.6	1962.6
20°	1422.4	1419.7	1417.7	1446.5	1478.6	1528.1	1562.3	1592.4	1686.8	1820.7	1993.4
22.5°	1468.6	1468.6	1463.9	1477.9	1499.4	1544.2	1579.7	1619.2	1729.0	1864.8	2038.9
25°	1553.6	1546.9	1538.2	1544.2	1541.5	1569.6	1611.8	1666.7	1808.6	1937.8	2094.4
27.5°	1650.6	1656.7	1641.9	1642.6	1619.2	1609.1	1658.0	1741.0	1927.1	2040.9	2176.8
30°	1782.5	1777.8	1778.5	1776.5	1722.3	1674.7	1727.6	1838.1	2076.4	2198.2	2283.9
32.5°	1885.6	1892.3	1914.4	1927.1	1856.1	1779.8	1836.1	1969.9	2246.4	2377.6	2415.1
35°	1994.7	2006.7	2051.6	2093.1	2033.5	1945.8	2006.1	2144.6	2406.3	2554.9	2565.7
37.5°	2109.8	2133.9	2187.5	2260.4	2251.1	2173.4	2228.3	2350.1	2532.2	2662.0	2690.2
40°	2241.7	2265.1	2352.8	2457.9	2480.0	2462.6	2480.6	2551.6	2615.2	2666.7	2743.7
42.5°	2386.3	2418.4	2529.5	2670.1	2753.1	2768.5	2726.3	2718.9	2651.3	2613.2	2732.3
45°	2557.0	2594.4	2720.3	2902.3	3034.2	3055.0	2982.0	2887.6	2674.1	2573.7	2698.2
47.5°	2748.4	2783.9	2909.0	3127.9	3324.0	3332.1	3204.9	3053.0	2741.7	2619.2	2724.3
50°	2812.7	2834.7	2943.2	3200.2	3561.7	3623.2	3439.2	3239.0	2877.6	2753.1	2851.5
52.5°	2591.8	2600.5	2694.8	2954.6	3513.5	3909.1	3781.2	3516.8	3119.2	2957.2	3047.6
55°	2053.6	2039.5	2115.8	2354.1	3053.6	3850.8	4091.1	3953.2	3430.5	3196.9	3302.6
57.5°	1436.4	1419.7	1402.3	1563.6	2278.5	3264.5	3769.8	4014.2	3727.0	3434.5	3577.7
60°	1180.8	1164.7	1080.3	1006.0	1377.5	2344.1	2895.7	3355.5	3702.9	3422.4	3569.0
62.5°	1020.1	1010.7	976.6	875.5	810.6	1338.1	1813.3	2253.7	2841.4	2687.5	2695.5
65°	801.2	798.5	822.0	832.7	716.9	740.3	925.1	1171.4	1536.2	1448.5	1373.5
67.5°	547.5	541.5	585.7	720.2	689.4	584.4	541.5	546.2	664.7	406.3	322.6
70°	348.1	334.0	334.7	446.5	560.9	461.2	417.7	367.5	330.7	60.2	68.3
72.5°	222.9	214.2	184.1	201.5	259.7	224.9	226.9	195.5	130.5	32.1	37.5
75°	93.7	86.3	66.3	52.9	52.2	32.8	28.8	26.8	18.1	18.1	19.4
77.5°	0.7	0.0	0.0	0.7	1.3	0.7	0.7	1.3	2.7	4.0	4.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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°	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7	1923.7
2.5°	1934.5	1918.4	1936.5	1943.2	1942.5	1943.2	1923.7	1910.4	1909.7	1893.0	1884.9
5°	1941.8	1929.1	1942.5	1933.8	1913.0	1886.9	1852.1	1822.0	1808.6	1789.2	1779.8
7.5°	1955.9	1942.5	1940.5	1905.7	1854.1	1799.2	1737.7	1682.8	1653.3	1617.8	1619.9
10°	1965.9	1950.5	1924.4	1853.5	1767.8	1680.1	1588.4	1506.7	1455.2	1407.7	1399.6
12.5°	1969.9	1947.2	1886.3	1779.2	1658.7	1544.2	1409.7	1293.2	1212.9	1150.6	1141.9
15°	1977.3	1940.5	1837.4	1689.5	1524.1	1362.1	1190.8	1031.5	925.1	853.4	859.5
17.5°	1988.7	1933.1	1782.5	1589.1	1379.6	1150.6	919.0	736.3	638.6	597.1	597.7
20°	2004.7	1924.4	1722.3	1478.6	1206.2	911.7	642.6	504.7	477.3	475.9	473.9
22.5°	2026.2	1915.7	1658.0	1357.5	1000.7	638.6	427.7	384.9	396.3	418.4	422.4
25°	2051.6	1905.0	1586.4	1220.9	776.5	419.0	320.6	313.9	341.4	370.8	377.5
27.5°	2091.1	1899.6	1504.7	1065.6	544.9	300.5	262.4	266.4	291.2	315.9	322.0
30°	2158.0	1909.7	1415.7	891.6	350.1	239.6	227.6	233.6	247.0	259.7	265.1
32.5°	2249.1	1939.1	1329.3	701.5	249.7	208.2	205.5	208.8	214.2	221.6	223.6
35°	2355.5	1990.0	1240.3	502.0	206.2	190.1	187.4	187.4	190.1	191.4	192.1
37.5°	2443.2	2043.6	1156.7	334.0	184.7	176.0	172.0	170.0	169.3	170.7	171.4
40°	2481.3	2065.6	1065.6	243.0	169.3	163.3	157.3	151.3	151.3	156.0	156.6
42.5°	2454.5	2040.9	960.5	200.8	158.6	149.9	140.6	135.2	137.9	142.6	143.9
45°	2397.6	1980.0	844.7	177.4	147.9	136.5	125.8	122.5	125.2	131.2	132.5
47.5°	2388.3	1939.8	706.2	162.0	136.5	125.2	113.8	110.4	113.8	118.5	119.8
50°	2481.3	1974.6	552.2	148.6	125.8	113.1	103.8	100.4	102.4	105.1	106.4
52.5°	2651.3	2103.8	445.8	135.9	113.1	101.1	95.0	91.0	91.0	93.7	94.4
55°	2902.3	2329.4	384.9	121.2	98.4	91.7	86.3	82.3	82.3	83.7	84.3
57.5°	3191.5	2602.5	398.9	101.7	86.3	83.0	78.3	75.0	76.3	76.3	76.3
60°	3151.3	2582.4	427.1	85.7	76.3	75.0	71.0	69.6	73.0	70.3	68.9
62.5°	2321.3	1783.8	223.6	70.3	65.6	64.3	61.6	64.3	68.9	61.6	58.9
65°	1127.2	863.5	89.7	57.6	55.6	54.2	52.9	56.9	59.6	48.2	45.5
67.5°	265.1	215.5	58.2	48.9	46.2	43.5	44.8	45.5	43.5	32.8	31.5
70°	68.9	67.6	45.5	40.8	36.8	34.1	34.1	33.5	28.8	20.8	19.4
72.5°	37.5	36.8	32.8	30.8	25.4	22.8	23.4	20.8	16.1	12.0	11.4
75°	18.7	20.1	18.7	17.4	14.1	12.7	12.7	11.4	8.0	4.7	4.7
77.5°	4.0	4.7	4.7	4.0	3.3	2.7	2.7	3.3	1.3	0.0	0.0
80°	0.7	0.7	0.7	0.7	0.7	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)