

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: P632368

Luminaire Tested: GWS-SA2C-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632368
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-SA2C-750-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5537.4 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

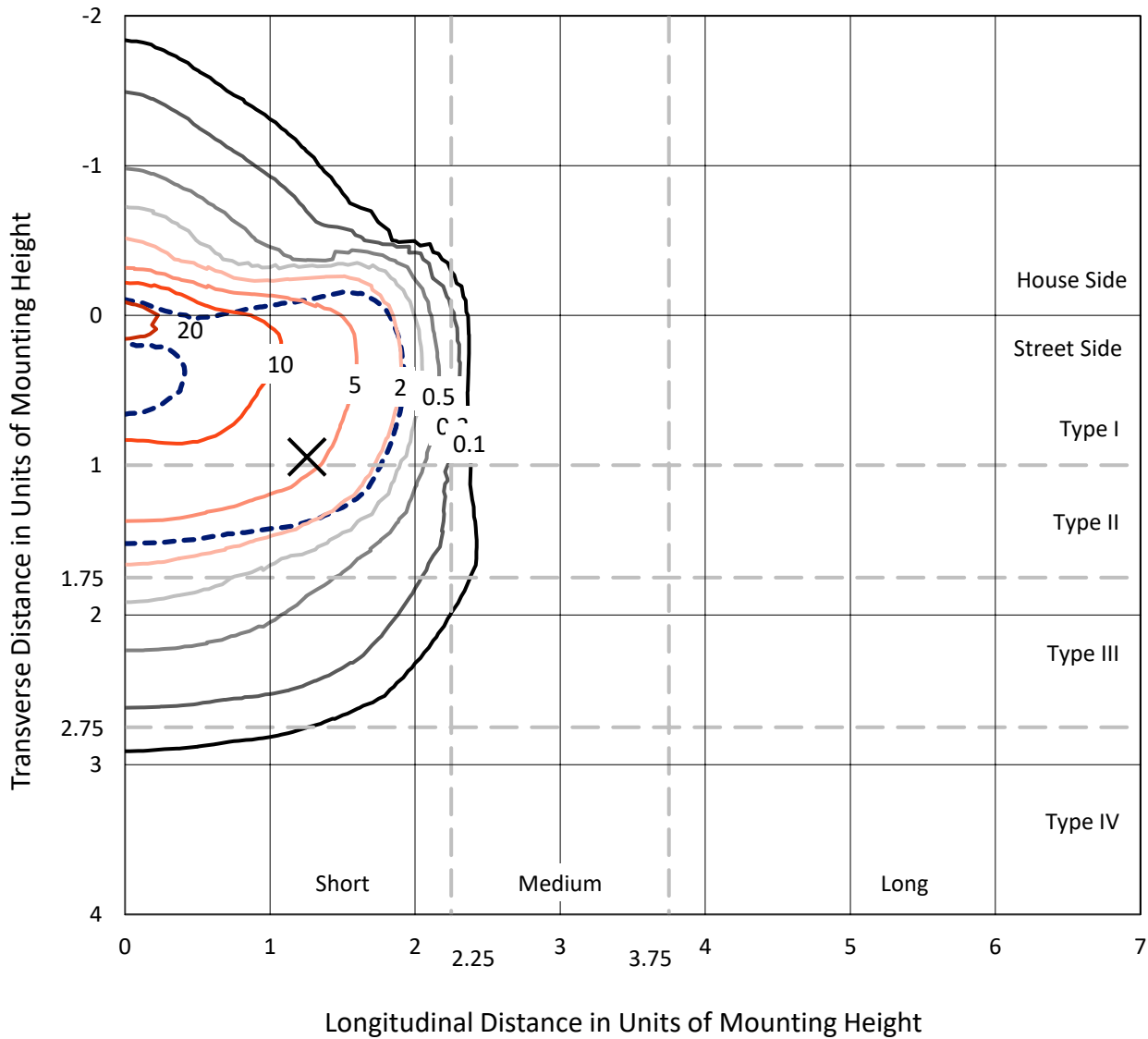
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

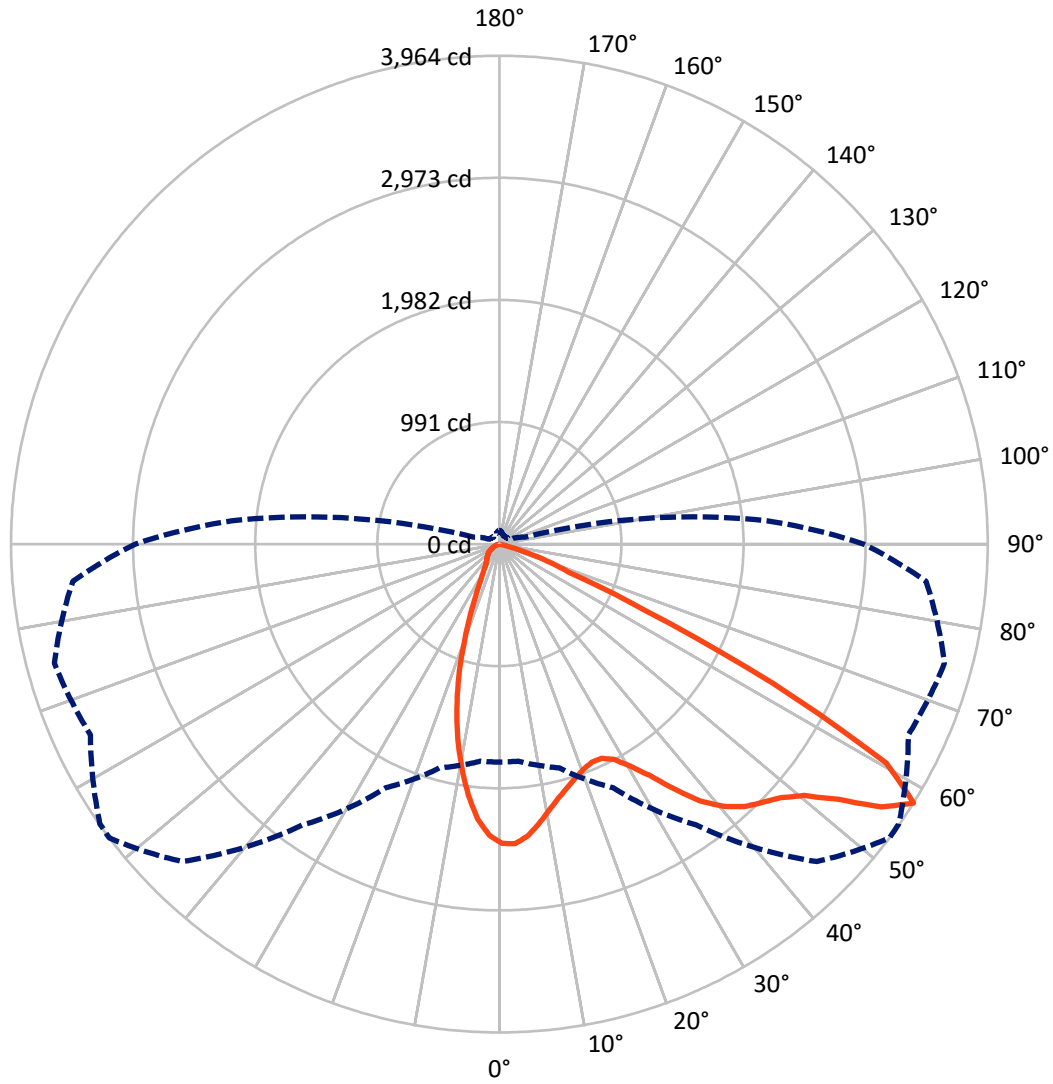
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.3 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	914.7	0.0	914.7
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	4622.7	0.0	4622.7
	% Fixture	83.5	0.0	83.5
Total	Lumens	5537.4	0.0	5537.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.8	3.8
10°-20°	456.2	8.2
20°-30°	594.4	10.7
30°-40°	862.1	15.6
40°-50°	1244.0	22.5
50°-60°	1504.5	27.2
60°-70°	613.2	11.1
70°-80°	55.1	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°	5537.4	100.0
0°-180°	5537.4	100.0

Coefficient of Utilization



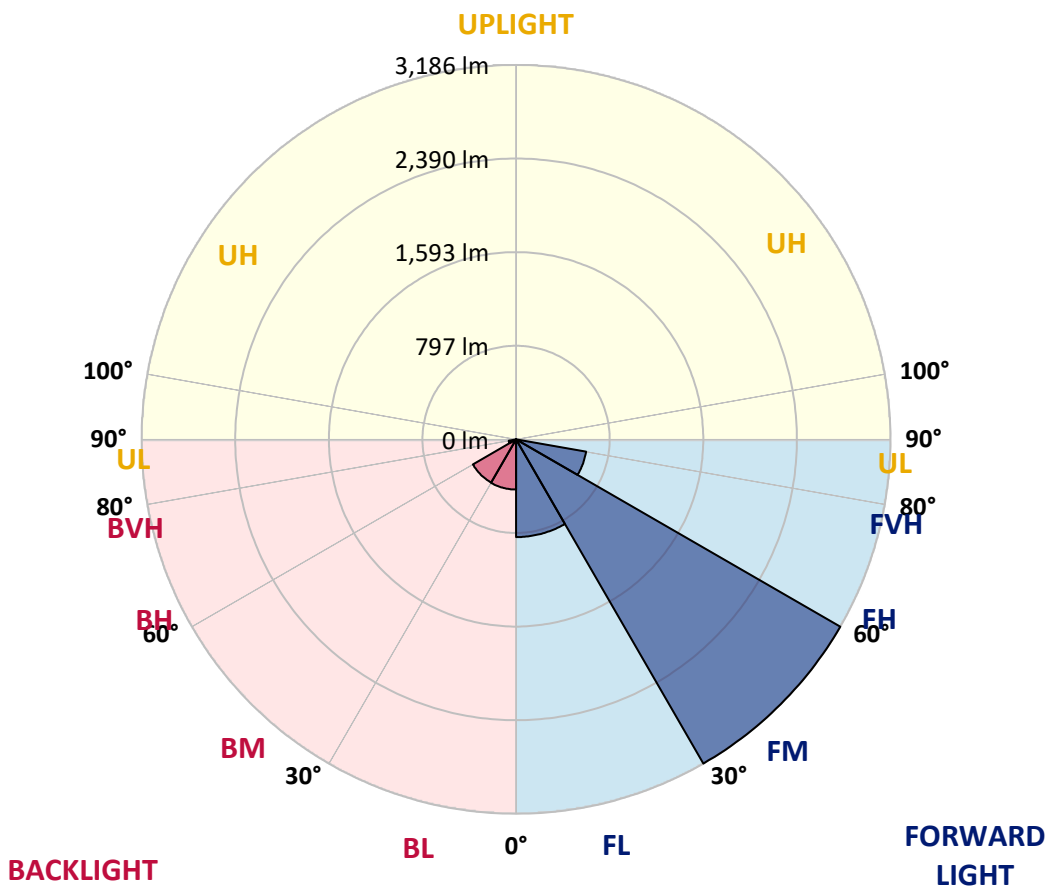
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	831.5	15.0			
FM (30°-60°)	3186.1	57.5			
FH (60°-80°)	605.0	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	426.9	7.7	B1/500		
BM (30°-60°)	424.6	7.7	B1/1000		
BH (60°-80°)	63.2	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°	2429.0	2429.0	2429.0	2429.0	2429.0	2429.0	2429.0	2429.0	2429.0	2429.0	2429.0
2.5°	2395.1	2400.5	2410.0	2422.2	2430.4	2434.4	2434.4	2446.0	2438.5	2432.4	2425.6
5°	2292.6	2298.0	2310.9	2330.6	2350.3	2364.5	2380.8	2393.0	2397.8	2397.8	2386.3
7.5°	2148.0	2155.5	2163.7	2190.8	2233.6	2265.5	2293.3	2310.9	2336.7	2344.9	2328.6
10°	1992.6	2000.1	2018.4	2055.7	2104.6	2152.1	2199.6	2222.0	2266.1	2289.2	2270.9
12.5°	1861.0	1864.4	1888.8	1933.6	1996.0	2061.2	2118.9	2141.9	2204.4	2239.0	2217.3
15°	1752.4	1754.4	1778.8	1828.4	1900.3	1980.4	2053.0	2076.8	2153.5	2205.7	2173.2
17.5°	1670.2	1670.9	1692.0	1745.6	1820.9	1909.8	1996.0	2025.2	2124.3	2187.4	2138.5
20°	1628.8	1626.8	1641.7	1688.6	1759.8	1848.7	1950.5	1986.5	2108.0	2184.7	2112.1
22.5°	1629.5	1624.8	1630.9	1664.1	1724.5	1808.0	1922.0	1962.8	2109.4	2196.2	2089.7
25°	1668.2	1661.4	1662.8	1680.4	1723.2	1799.2	1926.1	1969.5	2136.5	2234.9	2081.5
27.5°	1733.4	1725.9	1725.9	1734.7	1757.8	1827.0	1977.0	2026.6	2209.1	2310.2	2098.5
30°	1817.5	1810.1	1807.3	1816.2	1835.2	1899.0	2090.4	2141.9	2333.3	2433.8	2152.8
32.5°	1913.9	1905.1	1909.8	1922.0	1940.4	2028.6	2236.3	2304.8	2488.7	2600.0	2250.5
35°	2015.7	2008.2	2030.0	2056.4	2084.9	2208.4	2437.8	2497.6	2679.5	2807.0	2399.8
37.5°	2112.8	2109.4	2154.8	2210.5	2269.5	2424.3	2642.8	2689.0	2843.0	3032.4	2582.4
40°	2209.8	2209.1	2287.2	2384.9	2479.2	2639.4	2798.2	2836.2	2942.8	3207.5	2757.5
42.5°	2318.4	2318.4	2426.3	2556.6	2682.2	2821.3	2912.2	2929.2	2987.6	3308.6	2889.2
45°	2422.2	2428.3	2553.2	2704.6	2853.2	2963.1	2991.0	2992.3	3005.9	3368.3	2998.4
47.5°	2504.4	2509.8	2659.1	2833.5	2993.7	3071.1	3075.1	3069.0	3054.1	3425.3	3082.6
50°	2570.9	2579.0	2735.1	2919.7	3090.1	3174.9	3206.1	3200.0	3162.0	3486.4	3141.6
52.5°	2603.4	2615.0	2761.6	2962.5	3197.3	3352.7	3439.6	3453.8	3323.5	3520.3	3198.0
55°	2342.8	2359.8	2494.9	2769.7	3257.0	3627.6	3764.0	3761.3	3498.6	3621.5	3335.1
57.5°	1769.3	1768.0	1880.0	2180.6	2781.9	3643.2	3963.5	3958.1	3662.2	3738.9	3475.6
60°	1204.7	1196.5	1226.4	1371.6	1945.1	2967.9	3607.2	3680.5	3546.1	3453.8	2950.9
62.5°	991.6	984.1	974.6	934.6	1117.1	1848.7	2492.1	2603.4	2585.8	2400.5	1850.8
65°	811.7	817.8	844.3	827.3	777.1	948.1	1293.6	1359.4	1242.7	1045.9	646.8
67.5°	598.6	601.3	635.9	725.5	698.4	631.2	608.8	619.6	363.1	167.0	107.9
70°	353.6	355.6	387.5	507.7	566.7	484.6	411.3	405.2	143.9	44.8	48.9
72.5°	200.2	196.1	202.2	241.6	308.8	257.2	211.8	192.7	43.4	25.1	25.1
75°	95.0	92.3	79.4	74.7	67.9	43.4	27.1	23.1	10.9	10.2	10.2
77.5°	0.7	2.0	1.4	2.0	2.0	1.4	0.7	0.7	2.0	2.0	2.7
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°	2429.0	2429.0	2429.0	2429.0	2429.0	2429.0	2429.0	2429.0	2429.0	2429.0	2429.0
2.5°	2413.4	2393.0	2388.3	2386.9	2367.9	2347.6	2326.5	2318.4	2306.2	2298.7	2304.8
5°	2367.9	2338.8	2313.0	2289.2	2247.1	2201.0	2160.9	2135.1	2110.7	2094.4	2098.5
7.5°	2303.5	2265.5	2206.4	2146.0	2068.6	1999.4	1922.0	1874.5	1830.4	1806.0	1817.5
10°	2234.9	2184.7	2090.4	1987.9	1866.4	1757.8	1647.2	1556.9	1504.6	1455.1	1460.5
12.5°	2167.7	2101.2	1960.0	1804.6	1651.2	1491.1	1324.1	1199.2	1113.7	1052.0	1042.5
15°	2105.3	2019.8	1833.1	1628.2	1419.1	1206.0	992.9	814.4	715.3	654.3	650.2
17.5°	2049.6	1943.8	1701.5	1443.6	1181.6	908.8	663.8	530.1	473.0	446.6	443.9
20°	1996.0	1867.1	1567.1	1256.2	922.3	638.0	458.1	396.4	378.0	367.2	368.5
22.5°	1944.4	1783.6	1425.9	1048.6	691.6	447.9	355.0	331.2	329.2	330.5	331.2
25°	1901.0	1706.9	1280.7	848.4	493.4	341.4	296.6	289.8	295.9	304.7	306.1
27.5°	1878.6	1644.5	1138.8	646.8	357.0	277.6	257.2	259.9	270.8	280.3	281.7
30°	1884.7	1597.6	992.2	469.0	274.9	234.1	227.4	232.8	243.6	252.5	253.8
32.5°	1928.1	1573.9	842.3	341.4	226.0	204.3	201.6	205.6	215.1	221.9	222.6
35°	2014.3	1579.3	699.7	261.3	194.1	181.9	181.2	183.9	188.7	193.4	194.1
37.5°	2141.3	1623.4	559.2	217.2	175.8	167.0	164.2	164.2	167.6	169.7	171.0
40°	2277.7	1689.9	447.9	192.1	162.9	153.4	148.0	145.9	148.6	151.3	152.0
42.5°	2390.3	1756.4	363.8	174.4	152.7	139.8	133.0	131.7	135.1	139.8	141.2
45°	2476.5	1808.0	303.4	160.2	141.2	126.9	119.4	119.4	125.6	133.7	135.1
47.5°	2555.3	1849.4	258.6	147.3	130.3	115.4	107.9	109.3	119.4	130.3	132.3
50°	2608.9	1882.7	225.3	135.7	121.5	105.9	99.1	101.8	114.0	126.9	129.0
52.5°	2666.6	1923.4	203.6	125.6	113.3	98.4	92.3	94.3	107.9	122.2	124.9
55°	2826.1	2059.8	202.9	112.0	99.1	88.2	85.5	86.2	99.8	116.1	119.4
57.5°	2956.4	2179.9	216.5	94.3	82.8	77.4	76.0	76.7	88.9	107.2	111.3
60°	2446.0	1694.0	179.2	78.0	69.2	67.9	65.8	67.2	78.7	95.0	98.4
62.5°	1447.6	968.5	85.5	59.7	59.0	57.7	55.7	58.4	69.2	83.5	85.5
65°	494.8	287.1	54.3	48.9	50.2	48.2	46.2	48.9	58.4	66.5	67.2
67.5°	95.0	76.0	43.4	40.7	41.4	37.3	36.6	39.4	44.8	46.2	45.5
70°	49.5	44.1	33.3	33.3	31.9	26.5	26.5	29.2	29.2	27.1	26.5
72.5°	25.8	24.4	21.7	24.4	20.4	16.3	16.3	17.6	16.3	13.6	13.6
75°	10.2	10.2	9.5	12.2	8.8	7.5	6.8	8.1	6.1	4.8	4.8
77.5°	2.7	2.7	2.7	3.4	2.0	2.0	1.4	1.4	0.7	0.0	0.0
80°	0.0	0.7	0.0	0.7	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)