

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: P632859

Luminaire Tested: GWS-SA2D-750-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632859
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7013.2 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

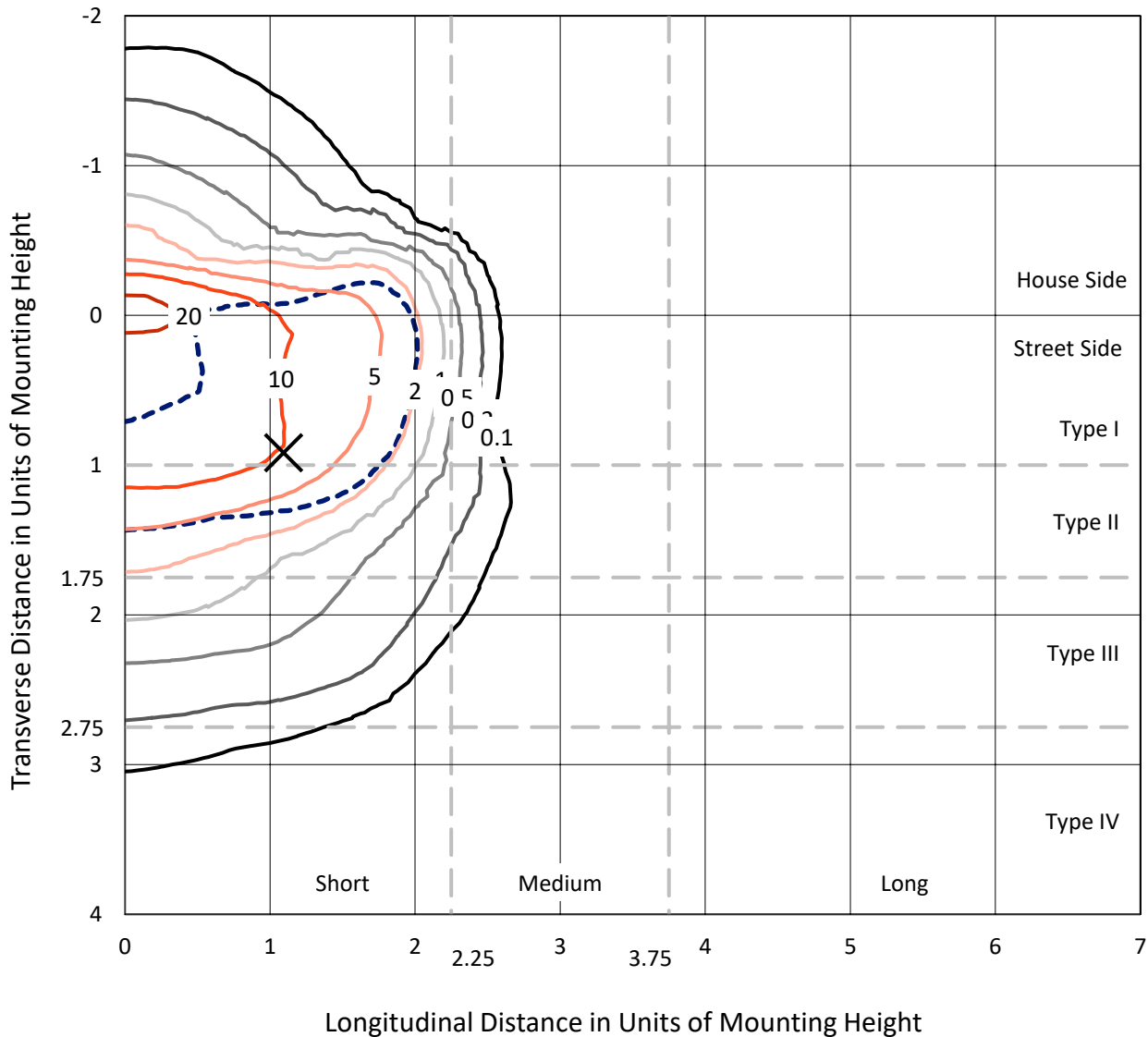
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

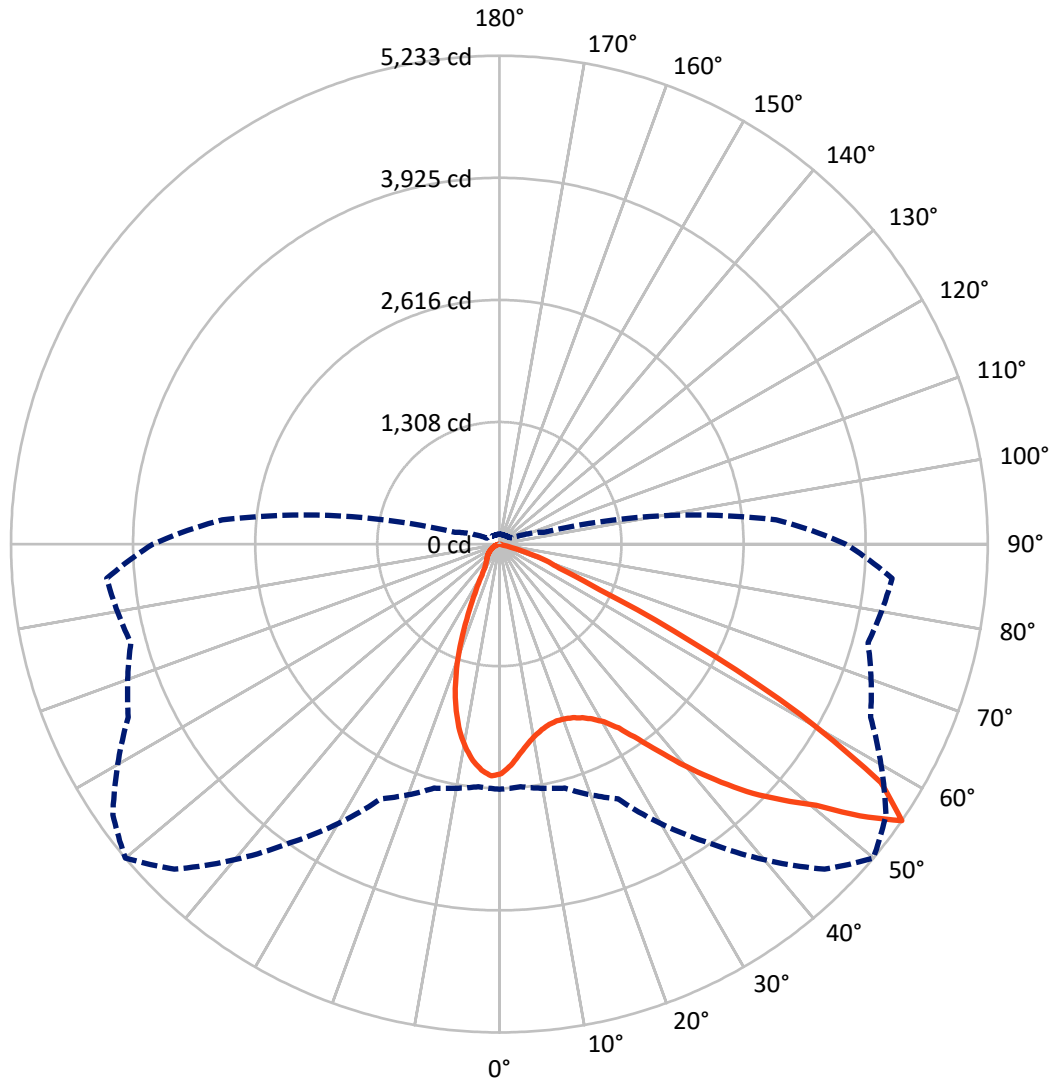
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.6 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	1381.9	0.0	1381.9
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	5631.3	0.0	5631.3
	% Fixture	80.3	0.0	80.3
Total	Lumens	7013.2	0.0	7013.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.1	3.1
10°-20°	531.8	7.6
20°-30°	750.1	10.7
30°-40°	1110.0	15.8
40°-50°	1601.3	22.8
50°-60°	1888.9	26.9
60°-70°	842.6	12.0
70°-80°	72.4	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°	7013.2	100.0
0°-180°	7013.2	100.0

Coefficient of Utilization

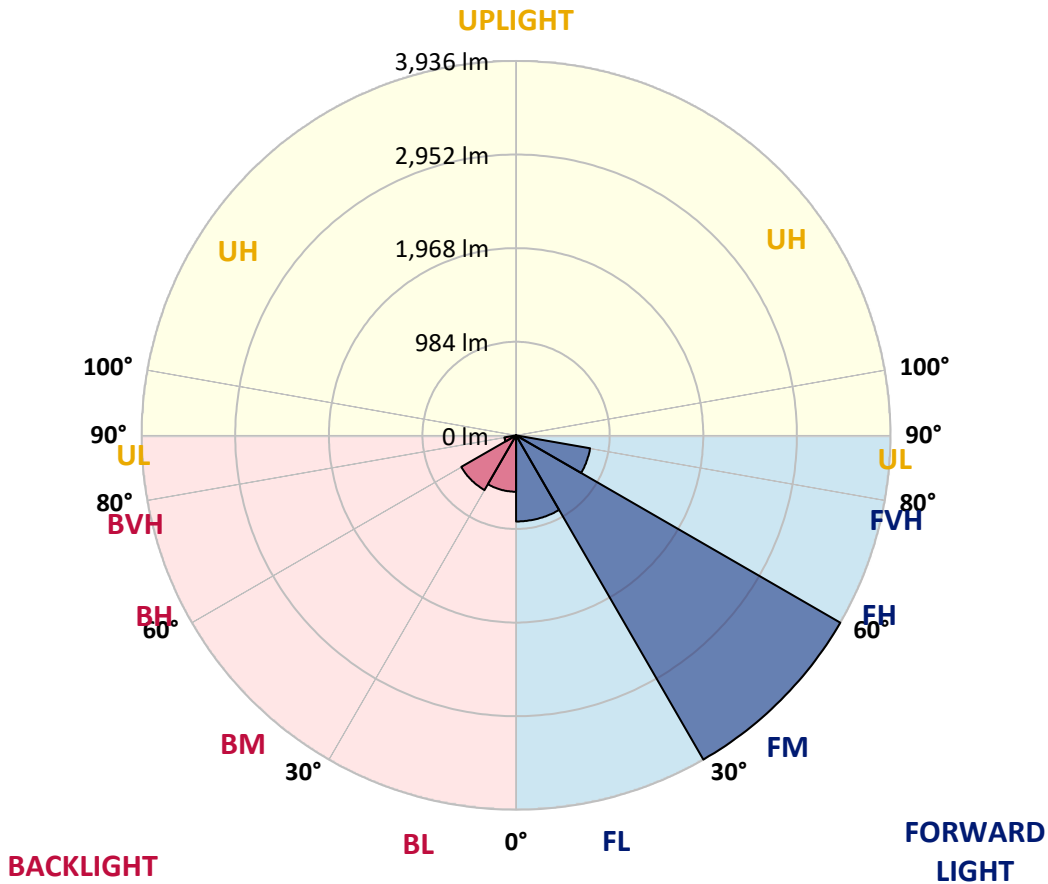


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	905.4	12.9			
FM (30°-60°)	3935.6	56.1			
FH (60°-80°)	790.3	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	592.5	8.4	B2/1000		
BM (30°-60°)	664.6	9.5	B1/1000		
BH (60°-80°)	124.8	1.8	B1/500		G1/500
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: B2-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	2460.6	2460.6	2460.6	2460.6	2460.6	2460.6	2460.6	2460.6	2460.6	2460.6	2460.6
2.5°	2286.0	2287.7	2288.5	2311.6	2320.2	2354.5	2372.4	2381.9	2406.7	2435.8	2459.8
5°	2132.7	2130.1	2134.4	2163.5	2182.4	2232.9	2260.3	2279.1	2333.9	2402.4	2459.8
7.5°	1999.1	2004.3	2009.4	2041.1	2069.4	2124.1	2163.5	2191.8	2268.0	2369.9	2466.6
10°	1905.0	1905.0	1912.7	1948.6	1982.0	2049.7	2089.0	2125.0	2215.8	2340.8	2474.3
12.5°	1835.6	1836.5	1845.9	1887.0	1925.5	1995.7	2036.8	2071.9	2172.1	2311.6	2476.0
15°	1803.1	1800.5	1808.2	1851.9	1894.7	1960.6	2003.4	2037.7	2141.3	2295.4	2484.6
17.5°	1794.5	1792.8	1798.8	1841.6	1885.3	1949.5	1991.4	2025.7	2137.0	2300.5	2510.3
20°	1819.4	1815.9	1813.4	1850.2	1891.3	1954.6	1998.3	2036.8	2157.5	2328.8	2549.7
22.5°	1878.4	1878.4	1872.4	1890.4	1917.8	1975.2	2020.6	2071.1	2211.5	2385.3	2607.9
25°	1987.2	1978.6	1967.5	1975.2	1971.7	2007.7	2061.6	2131.9	2313.4	2478.6	2678.9
27.5°	2111.3	2119.0	2100.2	2101.0	2071.1	2058.2	2120.7	2226.9	2464.9	2610.4	2784.3
30°	2280.0	2274.0	2274.8	2272.3	2202.9	2142.1	2209.8	2351.0	2655.8	2811.6	2921.2
32.5°	2411.8	2420.4	2448.6	2464.9	2374.1	2276.5	2348.5	2519.7	2873.3	3041.1	3089.0
35°	2551.4	2566.8	2624.1	2677.2	2601.0	2488.9	2565.9	2743.2	3077.9	3268.0	3281.7
37.5°	2698.6	2729.5	2797.9	2891.3	2879.3	2780.0	2850.2	3006.0	3238.9	3405.0	3440.9
40°	2867.3	2897.3	3009.4	3143.8	3172.1	3149.8	3173.0	3263.7	3345.0	3411.0	3509.4
42.5°	3052.2	3093.3	3235.5	3415.2	3521.4	3541.1	3487.2	3477.7	3391.3	3342.5	3494.9
45°	3270.6	3318.5	3479.5	3712.3	3881.0	3907.5	3814.2	3693.5	3420.4	3292.0	3451.2
47.5°	3515.4	3560.8	3720.9	4000.9	4251.7	4262.0	4099.3	3905.0	3506.9	3350.2	3484.6
50°	3597.6	3625.9	3764.6	4093.3	4555.7	4634.4	4399.0	4143.0	3680.7	3521.4	3647.3
52.5°	3315.1	3326.2	3446.9	3779.1	4494.0	5000.0	4836.5	4498.3	3989.7	3782.5	3898.1
55°	2626.7	2608.7	2706.3	3011.1	3905.8	4925.5	5232.9	5056.5	4387.8	4089.0	4224.3
57.5°	1837.3	1815.9	1793.7	2000.0	2914.4	4175.5	4821.9	5134.4	4767.1	4393.0	4576.2
60°	1510.3	1489.7	1381.9	1286.8	1762.0	2998.3	3703.8	4292.0	4736.3	4377.6	4565.1
62.5°	1304.8	1292.8	1249.1	1119.9	1036.8	1711.5	2319.4	2882.7	3634.4	3437.5	3447.8
65°	1024.8	1021.4	1051.4	1065.1	917.0	946.9	1183.2	1498.3	1964.9	1852.7	1756.9
67.5°	700.3	692.6	749.1	921.2	881.9	747.4	692.6	698.6	850.2	519.7	412.7
70°	445.2	427.2	428.1	571.1	717.5	589.9	534.2	470.0	422.9	77.1	87.3
72.5°	285.1	274.0	235.4	257.7	332.2	287.7	290.2	250.0	167.0	41.1	47.9
75°	119.9	110.4	84.8	67.6	66.8	42.0	36.8	34.2	23.1	23.1	24.8
77.5°	0.9	0.0	0.0	0.9	1.7	0.9	0.9	1.7	3.4	5.1	6.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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°	2460.6	2460.6	2460.6	2460.6	2460.6	2460.6	2460.6	2460.6	2460.6	2460.6	2460.6
2.5°	2474.3	2453.8	2476.9	2485.4	2484.6	2485.4	2460.6	2443.5	2442.6	2421.2	2411.0
5°	2483.7	2467.5	2484.6	2473.5	2446.9	2413.5	2369.0	2330.5	2313.4	2288.5	2276.5
7.5°	2501.7	2484.6	2482.0	2437.5	2371.6	2301.4	2222.6	2152.4	2114.7	2069.4	2071.9
10°	2514.6	2494.9	2461.5	2370.7	2261.1	2149.0	2031.7	1927.2	1861.3	1800.5	1790.2
12.5°	2519.7	2490.6	2412.7	2275.7	2121.6	1975.2	1803.1	1654.1	1551.4	1471.7	1460.6
15°	2529.1	2482.0	2350.2	2161.0	1949.5	1742.3	1523.1	1319.4	1183.2	1091.6	1099.3
17.5°	2543.7	2472.6	2280.0	2032.5	1764.6	1471.7	1175.5	941.8	816.8	763.7	764.6
20°	2564.2	2461.5	2202.9	1891.3	1542.8	1166.1	821.9	645.5	610.4	608.7	606.2
22.5°	2591.6	2450.3	2120.7	1736.3	1280.0	816.8	547.1	492.3	506.9	535.1	540.2
25°	2624.1	2436.6	2029.1	1561.6	993.2	536.0	410.1	401.5	436.6	474.3	482.9
27.5°	2674.7	2429.8	1924.7	1363.0	696.9	384.4	335.6	340.8	372.4	404.1	411.8
30°	2760.3	2442.6	1810.8	1140.4	447.8	306.5	291.1	298.8	315.9	332.2	339.0
32.5°	2876.7	2480.3	1700.3	897.3	319.3	266.3	262.8	267.1	274.0	283.4	286.0
35°	3012.8	2545.4	1586.5	642.1	263.7	243.2	239.7	239.7	243.2	244.9	245.7
37.5°	3125.0	2613.9	1479.5	427.2	236.3	225.2	220.0	217.5	216.6	218.3	219.2
40°	3173.8	2642.1	1363.0	310.8	216.6	208.9	201.2	193.5	193.5	199.5	200.3
42.5°	3139.6	2610.4	1228.6	256.8	202.9	191.8	179.8	172.9	176.4	182.4	184.1
45°	3066.8	2532.5	1080.5	226.9	189.2	174.7	161.0	156.7	160.1	167.8	169.5
47.5°	3054.8	2481.2	903.3	207.2	174.7	160.1	145.5	141.3	145.5	151.5	153.3
50°	3173.8	2525.7	706.3	190.1	161.0	144.7	132.7	128.4	131.0	134.4	136.1
52.5°	3391.3	2690.9	570.2	173.8	144.7	129.3	121.6	116.4	116.4	119.9	120.7
55°	3712.3	2979.5	492.3	155.0	125.9	117.3	110.4	105.3	105.3	107.0	107.9
57.5°	4082.2	3328.8	510.3	130.1	110.4	106.2	100.2	95.9	97.6	97.6	97.6
60°	4030.8	3303.1	546.2	109.6	97.6	95.9	90.8	89.0	93.3	89.9	88.2
62.5°	2969.2	2281.7	286.0	89.9	83.9	82.2	78.8	82.2	88.2	78.8	75.3
65°	1441.8	1104.5	114.7	73.6	71.1	69.3	67.6	72.8	76.2	61.6	58.2
67.5°	339.0	275.7	74.5	62.5	59.1	55.7	57.4	58.2	55.7	42.0	40.2
70°	88.2	86.5	58.2	52.2	47.1	43.7	43.7	42.8	36.8	26.5	24.8
72.5°	47.9	47.1	42.0	39.4	32.5	29.1	30.0	26.5	20.5	15.4	14.6
75°	24.0	25.7	24.0	22.3	18.0	16.3	16.3	14.6	10.3	6.0	6.0
77.5°	5.1	6.0	6.0	5.1	4.3	3.4	3.4	4.3	1.7	0.0	0.0
80°	0.9	0.9	0.9	0.9	0.9	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)