

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: P632914

Luminaire Tested: GWS-SA2D-760-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632914  
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-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**

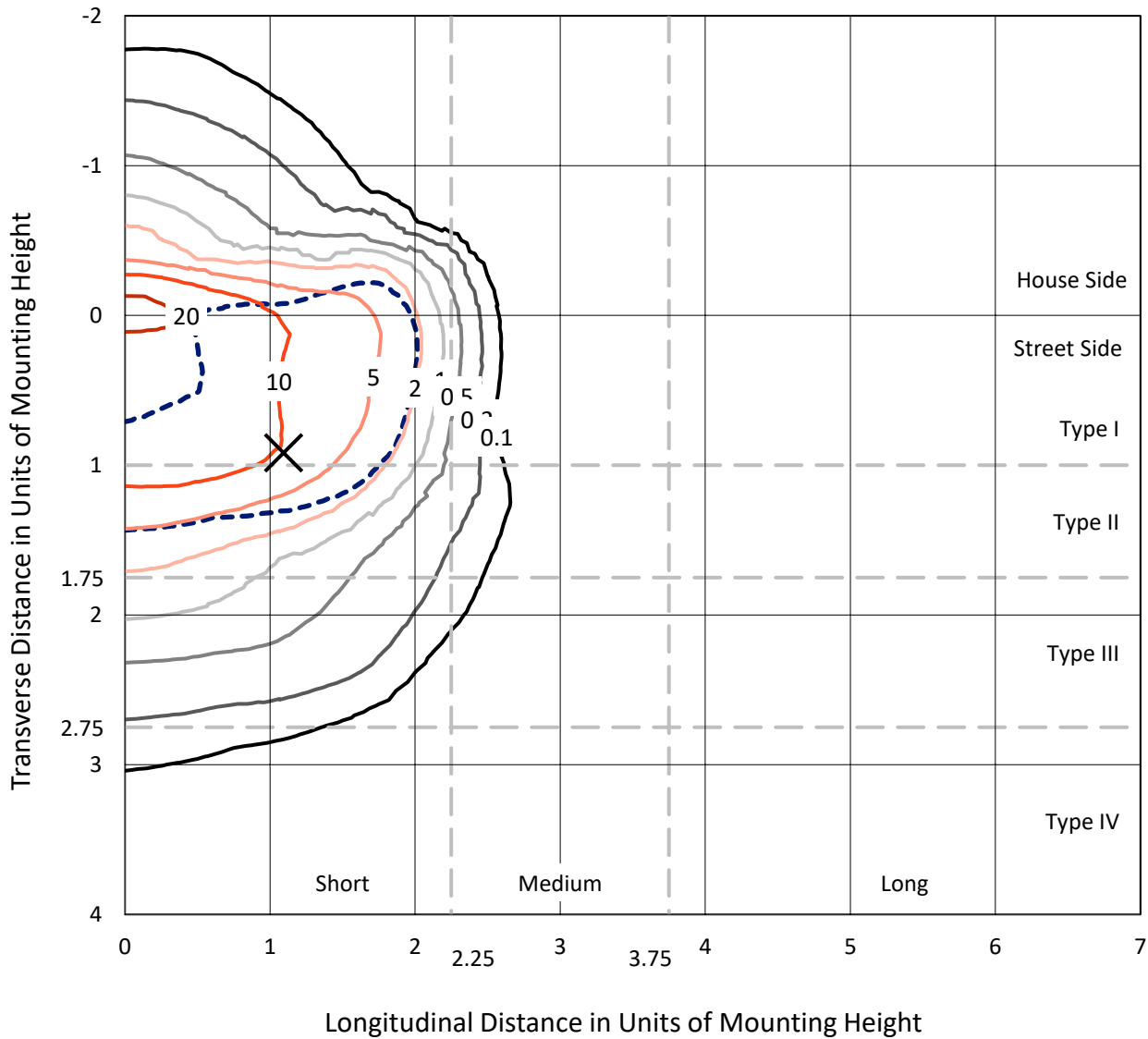
Lumens per Lamp: N/A  
Luminaire Lumens: 6917.1 lumens  
Efficiency: N/A  
Efficacy: 84.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

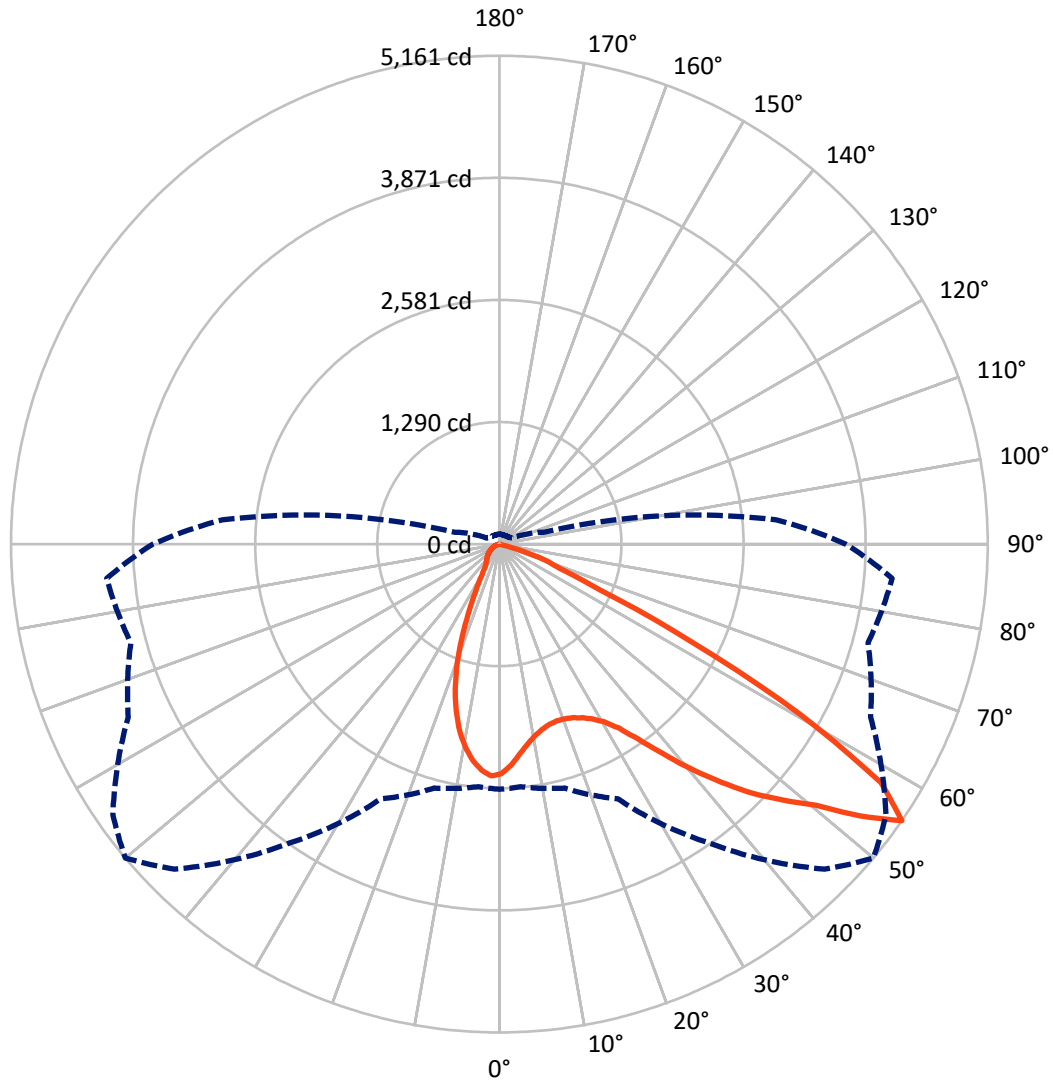
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.3 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
<b>House Side</b>	Lumens	1363.0	0.0	1363.0
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	5554.1	0.0	5554.1
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	6917.1	0.0	6917.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	213.1	3.1
10°-20°	524.5	7.6
20°-30°	739.8	10.7
30°-40°	1094.8	15.8
40°-50°	1579.4	22.8
50°-60°	1863.0	26.9
60°-70°	831.1	12.0
70°-80°	71.4	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°	6917.1	100.0
0°-180°	6917.1	100.0

**Coefficient of Utilization**



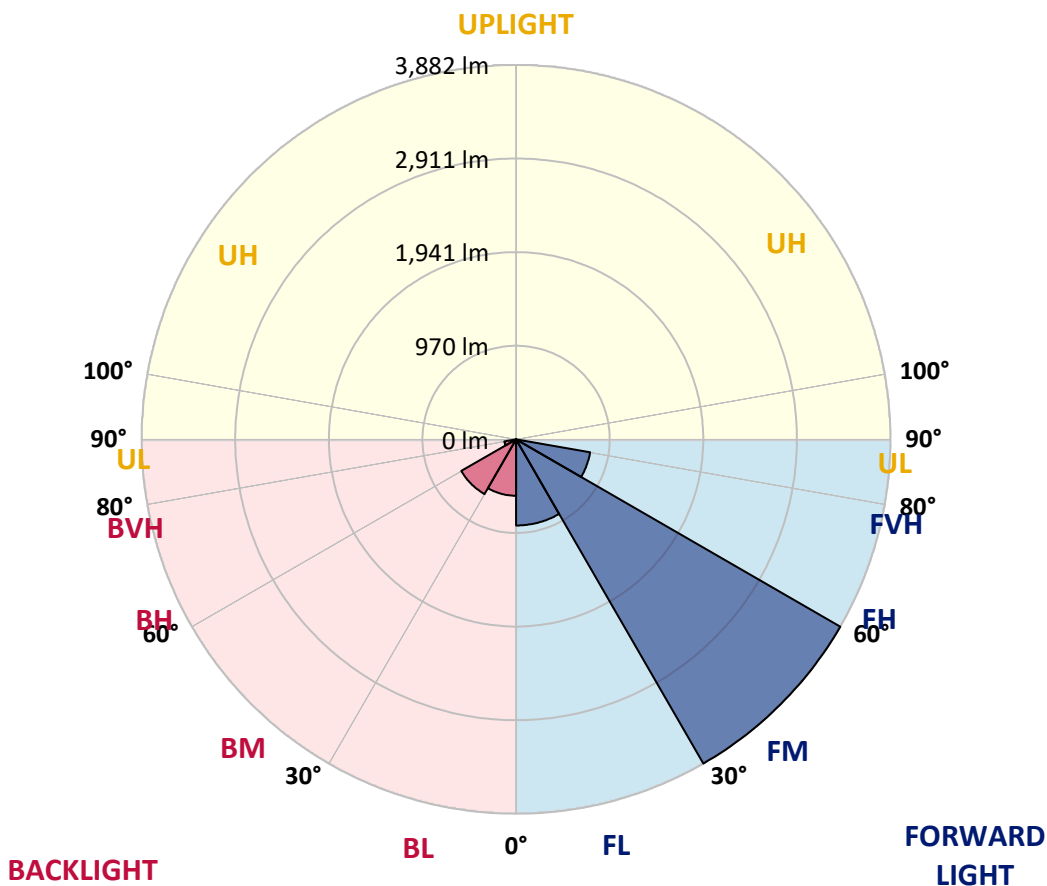
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	893.0	12.9			
FM (30°-60°)	3881.6	56.1			
FH (60°-80°)	779.4	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	584.4	8.4	B2/1000		
BM (30°-60°)	655.5	9.5	B1/1000		
BH (60°-80°)	123.1	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°	2426.9	2426.9	2426.9	2426.9	2426.9	2426.9	2426.9	2426.9	2426.9	2426.9	2426.9
2.5°	2254.6	2256.3	2257.2	2280.0	2288.4	2322.2	2339.9	2349.2	2373.7	2402.4	2426.1
5°	2103.5	2101.0	2105.2	2133.9	2152.5	2202.3	2229.3	2247.9	2301.9	2369.5	2426.1
7.5°	1971.8	1976.8	1981.9	2013.1	2041.0	2095.0	2133.9	2161.8	2236.9	2337.4	2432.8
10°	1878.9	1878.9	1886.5	1921.9	1954.9	2021.6	2060.4	2095.9	2185.4	2308.7	2440.4
12.5°	1810.5	1811.3	1820.6	1861.1	1899.1	1968.4	2008.9	2043.5	2142.3	2280.0	2442.1
15°	1778.4	1775.8	1783.4	1826.5	1868.7	1933.8	1976.0	2009.8	2111.9	2263.9	2450.5
17.5°	1769.9	1768.2	1774.2	1816.4	1859.4	1922.8	1964.2	1997.9	2107.7	2269.0	2475.9
20°	1794.4	1791.0	1788.5	1824.8	1865.4	1927.8	1970.9	2008.9	2128.0	2296.9	2514.7
22.5°	1852.7	1852.7	1846.8	1864.5	1891.5	1948.1	1992.9	2042.7	2181.2	2352.6	2572.1
25°	1959.9	1951.5	1940.5	1948.1	1944.7	1980.2	2033.4	2102.6	2281.7	2444.6	2642.2
27.5°	2082.4	2090.0	2071.4	2072.2	2042.7	2030.0	2091.7	2196.4	2431.1	2574.7	2746.1
30°	2248.7	2242.8	2243.7	2241.1	2172.7	2112.8	2179.5	2318.8	2619.4	2773.1	2881.2
32.5°	2378.8	2387.2	2415.1	2431.1	2341.6	2245.3	2316.3	2485.2	2833.9	2999.4	3046.7
35°	2516.4	2531.6	2588.2	2640.5	2565.4	2454.8	2530.8	2705.6	3035.7	3223.2	3236.7
37.5°	2661.7	2692.1	2759.6	2851.7	2839.8	2741.9	2811.1	2964.8	3194.5	3358.3	3393.8
40°	2828.0	2857.6	2968.2	3100.8	3128.6	3106.7	3129.5	3219.0	3299.2	3364.2	3461.3
42.5°	3010.4	3050.9	3191.1	3368.4	3473.2	3492.6	3439.4	3430.1	3344.8	3296.7	3447.0
45°	3225.7	3273.0	3431.8	3661.5	3827.8	3854.0	3762.0	3642.9	3373.5	3246.8	3403.9
47.5°	3467.2	3512.0	3669.9	3946.0	4193.5	4203.6	4043.1	3851.5	3458.8	3304.3	3436.8
50°	3548.3	3576.2	3713.0	4037.2	4493.2	4570.9	4338.7	4086.2	3630.2	3473.2	3597.3
52.5°	3269.6	3280.6	3399.7	3727.3	4432.4	4931.5	4770.2	4436.7	3935.1	3730.7	3844.7
55°	2590.7	2573.0	2669.3	2969.9	3852.3	4858.0	5161.2	4987.2	4327.7	4033.0	4166.4
57.5°	1812.2	1791.0	1769.1	1972.6	2874.5	4118.3	4755.9	5064.1	4701.8	4332.8	4513.5
60°	1489.6	1469.3	1362.9	1269.2	1737.8	2957.2	3653.0	4233.1	4671.4	4317.6	4502.5
62.5°	1286.9	1275.1	1232.0	1104.5	1022.6	1688.0	2287.6	2843.2	3584.6	3390.4	3400.5
65°	1010.8	1007.4	1037.0	1050.5	904.4	933.9	1167.0	1477.8	1938.0	1827.4	1732.8
67.5°	690.7	683.1	738.9	908.6	869.8	737.2	683.1	689.1	838.5	512.6	407.0
70°	439.1	421.4	422.2	563.2	707.6	581.8	526.9	463.6	417.2	76.0	86.1
72.5°	281.2	270.2	232.2	254.2	327.6	283.7	286.3	246.6	164.7	40.5	47.3
75°	118.2	108.9	83.6	66.7	65.9	41.4	36.3	33.8	22.8	22.8	24.5
77.5°	0.8	0.0	0.0	0.8	1.7	0.8	0.8	1.7	3.4	5.1	5.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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°	2426.9	2426.9	2426.9	2426.9	2426.9	2426.9	2426.9	2426.9	2426.9	2426.9	2426.9
2.5°	2440.4	2420.1	2442.9	2451.4	2450.5	2451.4	2426.9	2410.0	2409.2	2388.1	2377.9
5°	2449.7	2433.7	2450.5	2439.6	2413.4	2380.5	2336.5	2298.5	2281.7	2257.2	2245.3
7.5°	2467.4	2450.5	2448.0	2404.1	2339.1	2269.8	2192.2	2122.9	2085.8	2041.0	2043.5
10°	2480.1	2460.7	2427.7	2338.2	2230.2	2119.5	2003.8	1900.8	1835.8	1775.8	1765.7
12.5°	2485.2	2456.5	2379.6	2244.5	2092.5	1948.1	1778.4	1631.4	1530.1	1451.6	1440.6
15°	2494.5	2448.0	2318.0	2131.4	1922.8	1718.4	1502.2	1301.3	1167.0	1076.7	1084.3
17.5°	2508.8	2438.7	2248.7	2004.7	1740.4	1451.6	1159.4	928.9	805.6	753.2	754.1
20°	2529.1	2427.7	2172.7	1865.4	1521.7	1150.1	810.7	636.7	602.1	600.4	597.9
22.5°	2556.1	2416.8	2091.7	1712.5	1262.4	805.6	539.6	485.5	499.9	527.8	532.8
25°	2588.2	2403.3	2001.3	1540.2	979.5	528.6	404.5	396.0	430.7	467.8	476.3
27.5°	2638.0	2396.5	1898.3	1344.3	687.4	379.2	331.0	336.1	367.3	398.6	406.2
30°	2722.5	2409.2	1786.0	1124.8	441.6	302.3	287.1	294.7	311.6	327.6	334.4
32.5°	2837.3	2446.3	1677.0	885.0	315.0	262.6	259.2	263.5	270.2	279.5	282.0
35°	2971.6	2510.5	1564.7	633.3	260.1	239.8	236.4	236.4	239.8	241.5	242.4
37.5°	3082.2	2578.1	1459.2	421.4	233.1	222.1	217.0	214.5	213.6	215.3	216.2
40°	3130.3	2605.9	1344.3	306.5	213.6	206.0	198.4	190.8	190.8	196.8	197.6
42.5°	3096.5	2574.7	1211.8	253.3	200.1	189.2	177.3	170.6	174.0	179.9	181.6
45°	3024.8	2497.8	1065.7	223.8	186.6	172.3	158.8	154.5	157.9	165.5	167.2
47.5°	3012.9	2447.2	890.9	204.4	172.3	157.9	143.6	139.3	143.6	149.5	151.2
50°	3130.3	2491.1	696.7	187.5	158.8	142.7	130.9	126.7	129.2	132.6	134.3
52.5°	3344.8	2654.1	562.4	171.4	142.7	127.5	119.9	114.8	114.8	118.2	119.1
55°	3661.5	2938.6	485.5	152.8	124.1	115.7	108.9	103.9	103.9	105.6	106.4
57.5°	4026.3	3283.2	503.3	128.4	108.9	104.7	98.8	94.6	96.3	96.3	96.3
60°	3975.6	3257.8	538.7	108.1	96.3	94.6	89.5	87.8	92.0	88.7	87.0
62.5°	2928.5	2250.4	282.0	88.7	82.8	81.1	77.7	81.1	87.0	77.7	74.3
65°	1422.0	1089.3	113.2	72.6	70.1	68.4	66.7	71.8	75.2	60.8	57.4
67.5°	334.4	271.9	73.5	61.6	58.3	54.9	56.6	57.4	54.9	41.4	39.7
70°	87.0	85.3	57.4	51.5	46.4	43.1	43.1	42.2	36.3	26.2	24.5
72.5°	47.3	46.4	41.4	38.8	32.1	28.7	29.6	26.2	20.3	15.2	14.4
75°	23.6	25.3	23.6	22.0	17.7	16.0	16.0	14.4	10.1	5.9	5.9
77.5°	5.1	5.9	5.9	5.1	4.2	3.4	3.4	4.2	1.7	0.0	0.0
80°	0.8	0.8	0.8	0.8	0.8	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)