

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: P634570

Luminaire Tested: GWS-SA3C-722-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634570
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-722-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8322.1 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

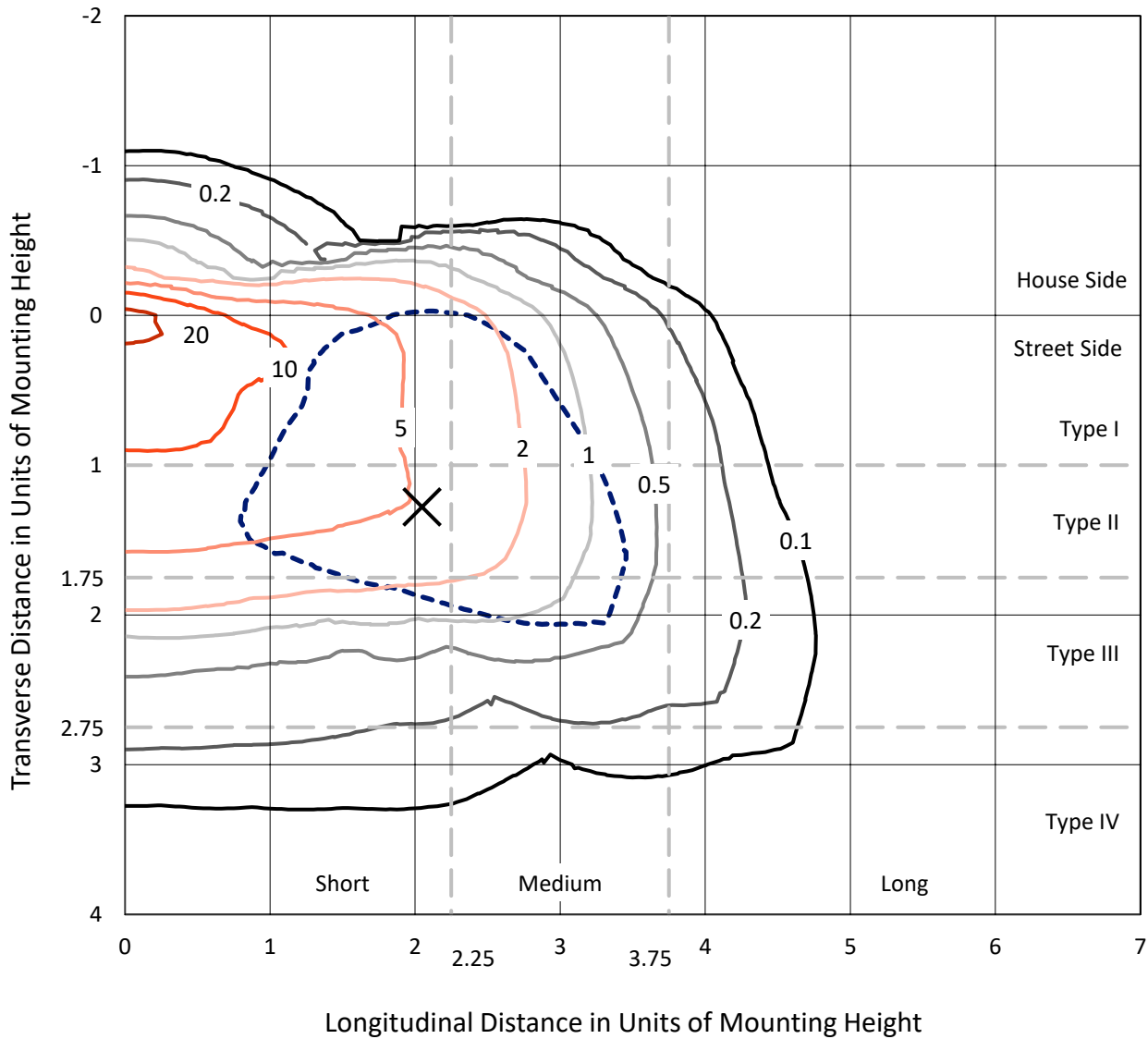
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

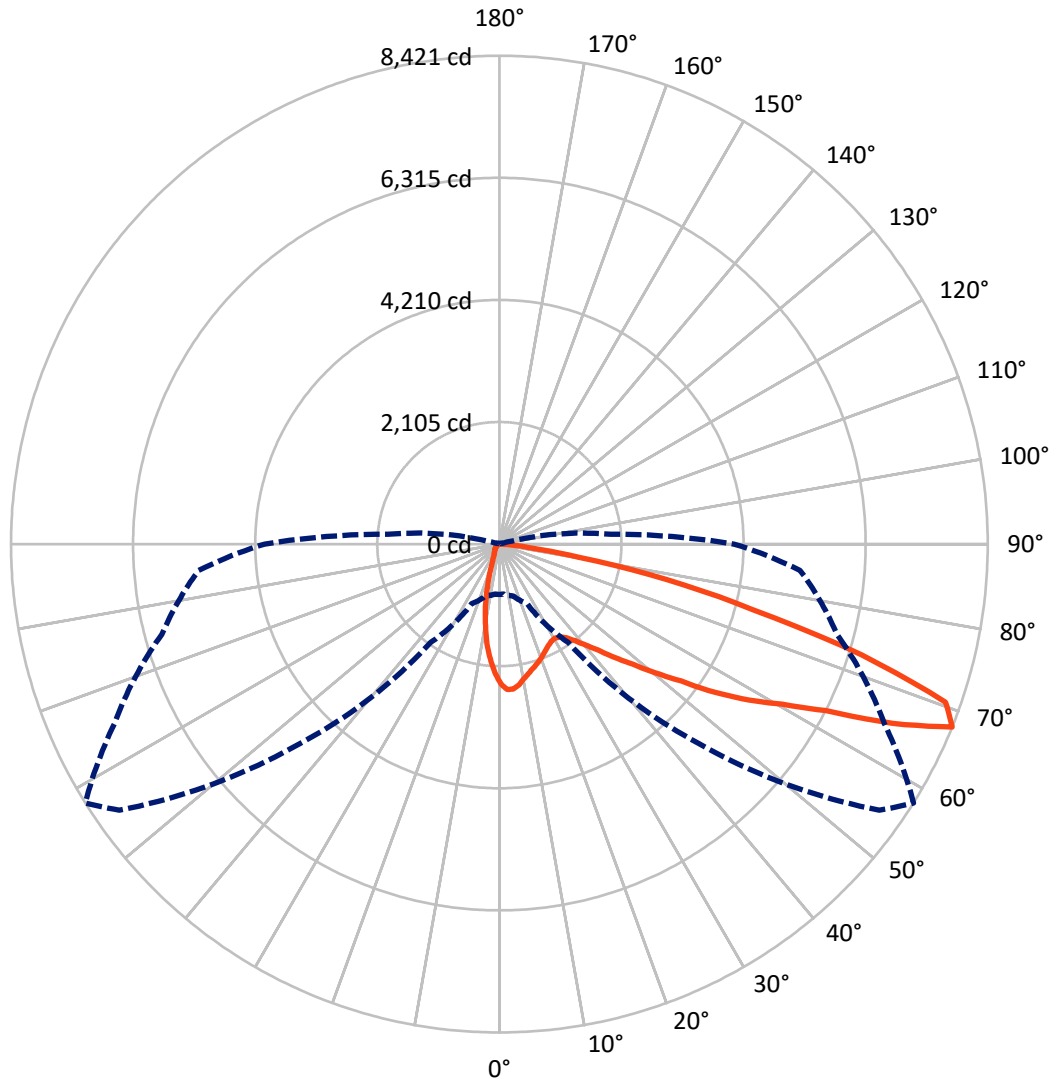
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	813.0	0.0	813.0
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	7509.1	0.0	7509.1
	% Fixture	90.2	0.0	90.2
Total	Lumens	8322.1	0.0	8322.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.1	2.3
10°-20°	406.1	4.9
20°-30°	547.6	6.6
30°-40°	769.5	9.2
40°-50°	1188.4	14.3
50°-60°	1900.4	22.8
60°-70°	2250.2	27.0
70°-80°	995.4	12.0
80°-90°	69.6	0.8
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°	8322.1	100.0
0°-180°	8322.1	100.0

Coefficient of Utilization



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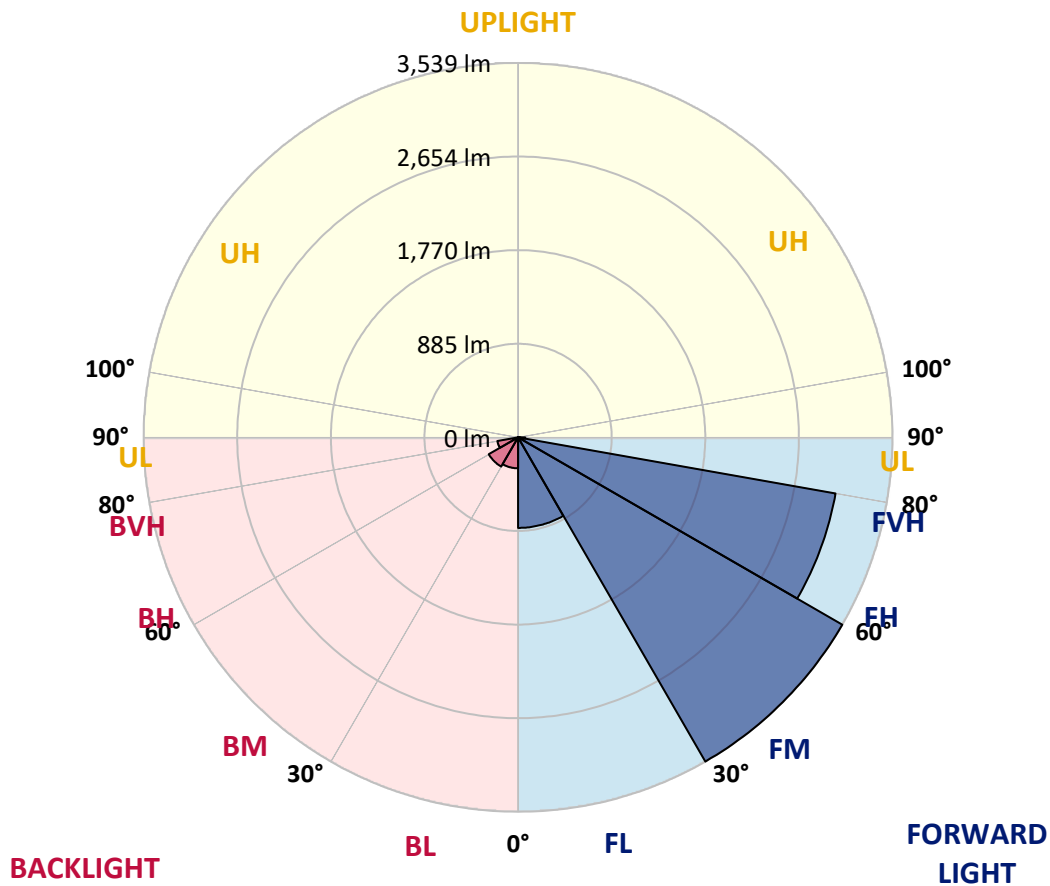
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	856.1	10.3			
FM (30°-60°)	3539.2	42.5			
FH (60°-80°)	3047.1	36.6			G2/5000
FVH (80°-90°)	66.6	0.8			G1/100
BL (0°-30°)	292.6	3.5	B1/500		
BM (30°-60°)	319.0	3.8	B1/1000		
BH (60°-80°)	198.5	2.4	B1/500		G1/500
BVH (80°-90°)	3.0	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5
2.5°	2525.0	2529.4	2535.3	2542.6	2541.2	2534.5	2526.4	2508.0	2496.2	2459.4	2414.5
5°	2443.9	2443.2	2457.9	2471.9	2497.0	2510.2	2528.6	2511.7	2505.8	2461.6	2388.7
7.5°	2285.6	2293.7	2310.6	2332.7	2368.8	2407.8	2452.0	2446.9	2464.6	2435.1	2344.5
10°	2130.2	2125.7	2152.3	2185.4	2240.6	2290.7	2354.8	2354.1	2400.5	2397.5	2294.4
12.5°	1993.9	1993.2	2013.8	2051.3	2116.2	2186.1	2273.1	2275.3	2332.7	2356.3	2251.7
15°	1879.0	1880.5	1900.4	1939.4	2006.4	2091.9	2192.8	2211.2	2276.0	2323.9	2209.7
17.5°	1797.2	1798.0	1809.8	1843.6	1909.2	2000.5	2122.1	2147.1	2230.3	2299.6	2175.8
20°	1759.7	1756.7	1758.9	1775.9	1826.7	1909.9	2049.9	2082.3	2188.4	2282.6	2144.9
22.5°	1764.8	1760.4	1750.1	1747.9	1770.7	1834.1	1973.3	2013.0	2142.7	2272.3	2116.9
25°	1810.5	1800.9	1786.2	1764.1	1755.2	1786.9	1906.2	1947.5	2100.0	2273.1	2095.5
27.5°	1880.5	1870.2	1851.7	1822.3	1787.7	1774.4	1860.6	1899.6	2069.8	2290.0	2085.2
30°	1969.6	1961.5	1943.8	1908.5	1862.1	1807.5	1851.0	1883.4	2055.0	2324.6	2089.7
32.5°	2074.9	2069.0	2054.3	2021.9	1968.9	1885.6	1883.4	1908.5	2066.8	2374.7	2106.6
35°	2176.6	2178.8	2179.5	2161.8	2105.1	2004.2	1972.5	1981.4	2115.4	2449.8	2144.9
37.5°	2286.3	2281.2	2307.7	2320.2	2265.7	2158.2	2110.3	2111.0	2208.2	2561.1	2217.1
40°	2369.5	2371.0	2428.5	2480.0	2457.2	2353.3	2284.8	2284.1	2351.1	2713.5	2333.5
42.5°	2447.6	2457.2	2541.9	2630.3	2662.0	2569.9	2520.5	2502.1	2551.5	2919.8	2508.0
45°	2530.9	2544.9	2663.4	2789.4	2872.6	2818.1	2779.1	2786.4	2792.3	3159.9	2743.0
47.5°	2628.1	2636.9	2783.5	2961.0	3116.4	3102.4	3104.6	3095.8	3092.9	3462.6	3053.8
50°	2745.9	2766.6	2935.2	3147.4	3359.5	3452.3	3483.2	3486.9	3439.0	3792.6	3375.7
52.5°	2996.4	3021.4	3165.8	3351.4	3624.7	3819.9	3945.8	3920.8	3847.1	4112.3	3728.5
55°	3291.7	3310.9	3450.1	3642.3	3948.8	4222.8	4521.8	4511.5	4331.0	4448.9	4018.7
57.5°	3319.7	3341.1	3556.9	3851.5	4364.9	4720.7	5035.2	5068.3	4803.9	4687.5	4278.0
60°	3005.2	3048.7	3343.3	3739.6	4524.0	5390.2	5597.9	5604.6	5150.8	4929.9	4594.7
62.5°	2408.6	2429.2	2726.0	3243.1	4278.7	5780.6	6457.5	6317.6	5596.5	5304.8	5096.3
65°	1262.5	1346.5	1605.0	2177.3	3470.0	5644.3	7491.7	7453.4	6397.9	5841.7	5486.7
67.5°	866.2	865.5	926.6	1135.1	2069.0	4859.9	7999.2	8420.5	7324.5	6025.9	5203.9
70°	659.2	661.4	715.9	851.5	1071.7	3235.0	7442.3	8162.7	7496.8	5471.2	4208.8
72.5°	437.5	441.9	532.5	688.0	855.9	1585.8	5783.6	6531.2	6308.0	4394.4	2962.5
75°	261.5	265.2	330.0	500.1	760.9	887.6	3674.8	4515.2	4342.1	3028.8	1588.0
77.5°	107.5	110.5	169.4	311.6	556.8	689.4	2032.2	2954.4	2600.8	1204.3	433.8
80°	44.9	46.4	81.8	218.0	401.4	432.4	941.3	1388.4	1065.8	259.3	132.6
82.5°	16.2	16.9	30.2	120.1	249.7	325.6	475.1	548.7	300.5	84.7	71.4
85°	0.7	0.7	7.4	40.5	95.0	92.1	271.8	263.0	99.4	35.4	42.7
87.5°	0.0	0.0	0.7	0.7	1.5	3.7	25.8	45.7	21.4	8.8	18.4
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°	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5
2.5°	2385.0	2346.0	2303.3	2263.5	2200.1	2162.6	2116.2	2095.5	2066.1	2058.7	2063.1
5°	2336.4	2269.4	2167.0	2074.2	1954.1	1857.6	1760.4	1719.2	1666.1	1630.8	1616.0
7.5°	2267.9	2180.2	2020.4	1851.7	1686.7	1510.7	1376.7	1288.3	1208.0	1163.8	1154.9
10°	2198.7	2084.5	1855.4	1613.8	1358.2	1147.6	966.4	832.3	723.3	674.0	635.7
12.5°	2127.2	1985.1	1687.5	1372.2	1075.4	788.1	564.2	433.8	355.8	324.8	330.0
15°	2061.7	1889.3	1521.0	1130.6	757.2	475.8	311.6	263.0	244.5	238.6	237.9
17.5°	1999.1	1798.7	1355.3	895.7	499.4	291.7	238.6	226.9	221.7	218.8	218.8
20°	1942.3	1711.8	1193.2	674.7	322.6	231.3	215.8	209.9	205.5	203.3	203.3
22.5°	1889.3	1627.8	1034.9	477.3	237.9	207.7	198.1	192.2	187.1	184.1	184.1
25°	1841.4	1552.0	883.9	328.5	204.8	190.0	179.7	173.1	164.3	159.1	159.1
27.5°	1806.8	1484.2	738.8	239.4	184.9	170.9	159.1	150.3	140.7	134.8	133.3
30°	1786.2	1426.7	592.2	196.7	166.5	152.5	139.2	128.2	117.1	111.2	110.5
32.5°	1774.4	1373.7	458.1	171.6	151.0	134.8	120.1	108.3	97.2	90.6	89.9
35°	1778.8	1332.5	343.2	154.7	136.3	119.3	103.1	91.3	81.8	75.9	74.4
37.5°	1817.1	1314.0	257.8	141.4	123.7	106.1	89.1	78.1	69.2	64.8	64.1
40°	1891.5	1317.7	202.6	131.1	113.4	92.8	76.6	66.3	59.7	56.0	55.2
42.5°	2007.2	1348.7	167.2	122.3	102.4	81.0	66.3	58.2	51.6	47.9	47.1
45°	2179.5	1412.7	145.8	112.0	90.6	70.0	57.5	50.1	44.2	39.8	39.0
47.5°	2429.2	1524.0	131.8	102.4	80.3	60.4	49.4	42.0	36.8	33.1	32.4
50°	2695.1	1657.3	120.1	92.8	71.4	52.3	42.0	34.6	30.2	26.5	25.8
52.5°	2978.7	1800.9	111.2	84.0	63.3	44.9	35.4	28.7	24.3	20.6	19.9
55°	3251.2	1945.3	100.9	78.1	53.8	38.3	29.5	23.6	19.2	16.2	16.2
57.5°	3516.4	2077.9	89.9	68.5	44.2	32.4	24.3	19.2	15.5	13.3	12.5
60°	3833.1	2261.3	77.3	58.2	36.8	27.3	19.9	15.5	12.5	10.3	10.3
62.5°	4303.8	2452.0	66.3	48.6	30.9	22.8	16.2	12.5	10.3	8.8	8.1
65°	4457.7	2348.9	56.0	39.8	25.0	18.4	13.3	11.0	8.8	8.1	7.4
67.5°	4046.7	1925.4	46.4	32.4	20.6	15.5	11.8	9.6	8.1	7.4	6.6
70°	3157.7	1366.3	36.1	24.3	16.9	12.5	10.3	8.8	7.4	6.6	6.6
72.5°	2147.8	808.0	28.7	18.4	14.0	11.0	8.8	8.1	7.4	6.6	5.9
75°	1057.7	287.3	22.1	14.0	11.0	9.6	8.1	7.4	6.6	5.9	5.9
77.5°	285.1	79.5	16.9	11.0	8.8	7.4	7.4	7.4	6.6	5.2	5.2
80°	96.5	33.1	12.5	8.1	7.4	5.9	5.2	6.6	5.9	5.2	4.4
82.5°	53.0	16.2	8.8	6.6	5.2	4.4	4.4	4.4	4.4	3.7	3.7
85°	33.9	8.8	5.9	5.2	5.2	3.7	2.9	2.9	2.2	2.2	2.2
87.5°	15.5	5.2	5.2	4.4	4.4	3.7	2.2	1.5	0.7	0.7	0.7
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)