

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: P634240

Luminaire Tested: GWS-SA3B-735-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634240
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-SA3B-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8308.9 lumens
Efficiency: N/A
Efficacy: 121.7 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

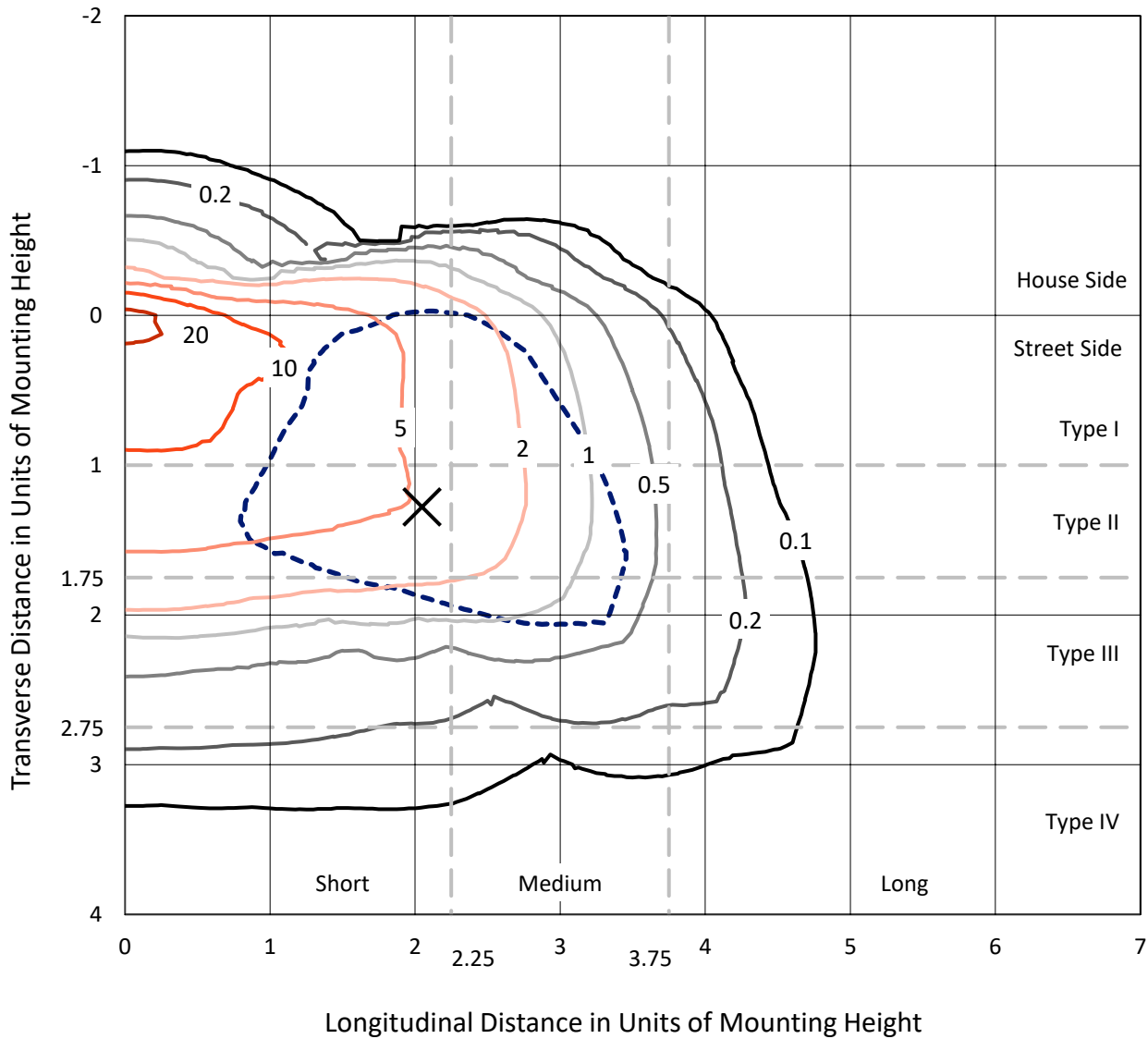
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

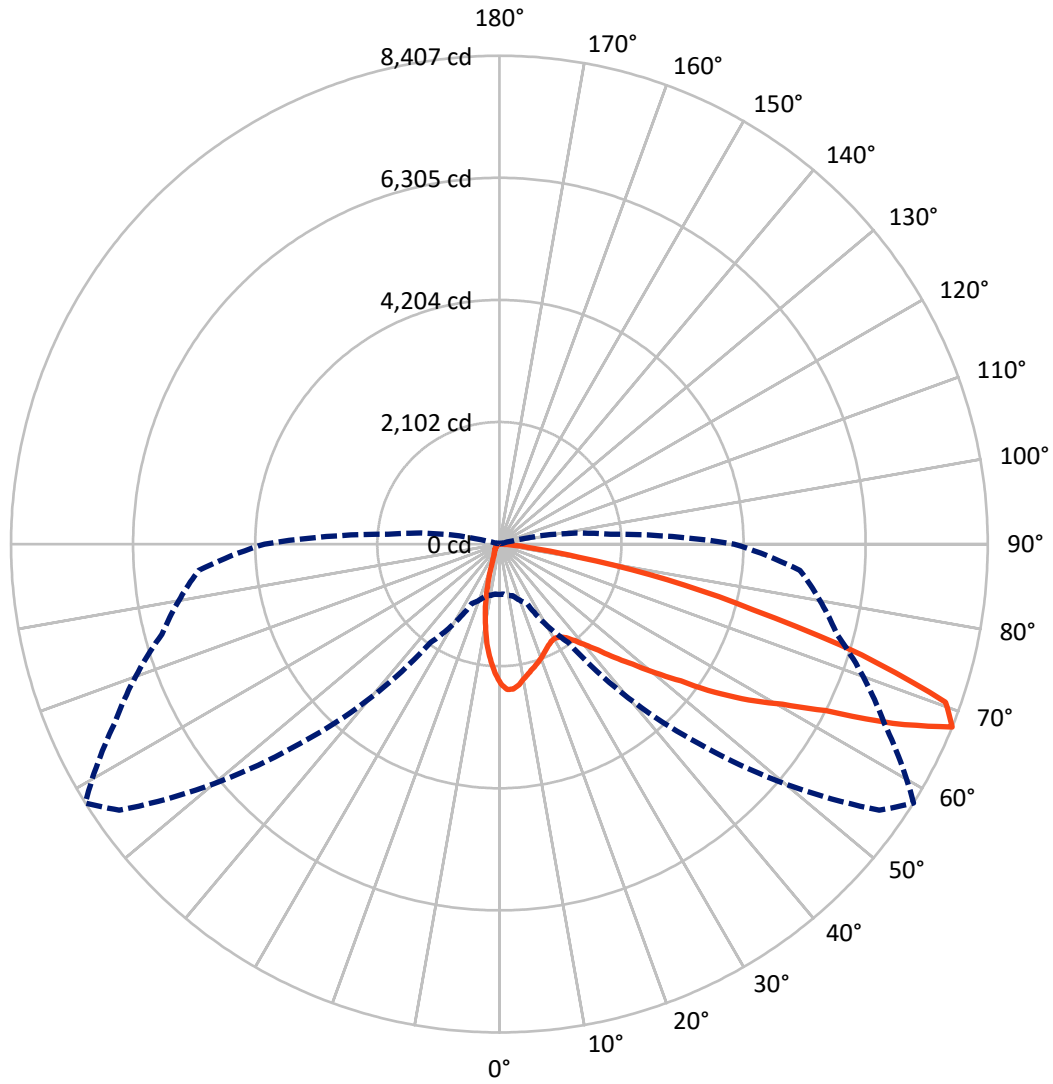
✕ Max cd
 - - - 1/2 Max cd



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	811.7	0.0	811.7
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	7497.2	0.0	7497.2
	% Fixture	90.2	0.0	90.2
Total	Lumens	8308.9	0.0	8308.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.8	2.3
10°-20°	405.4	4.9
20°-30°	546.7	6.6
30°-40°	768.2	9.2
40°-50°	1186.5	14.3
50°-60°	1897.4	22.8
60°-70°	2246.6	27.0
70°-80°	993.8	12.0
80°-90°	69.5	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°	8308.9	100.0
0°-180°	8308.9	100.0

Coefficient of Utilization



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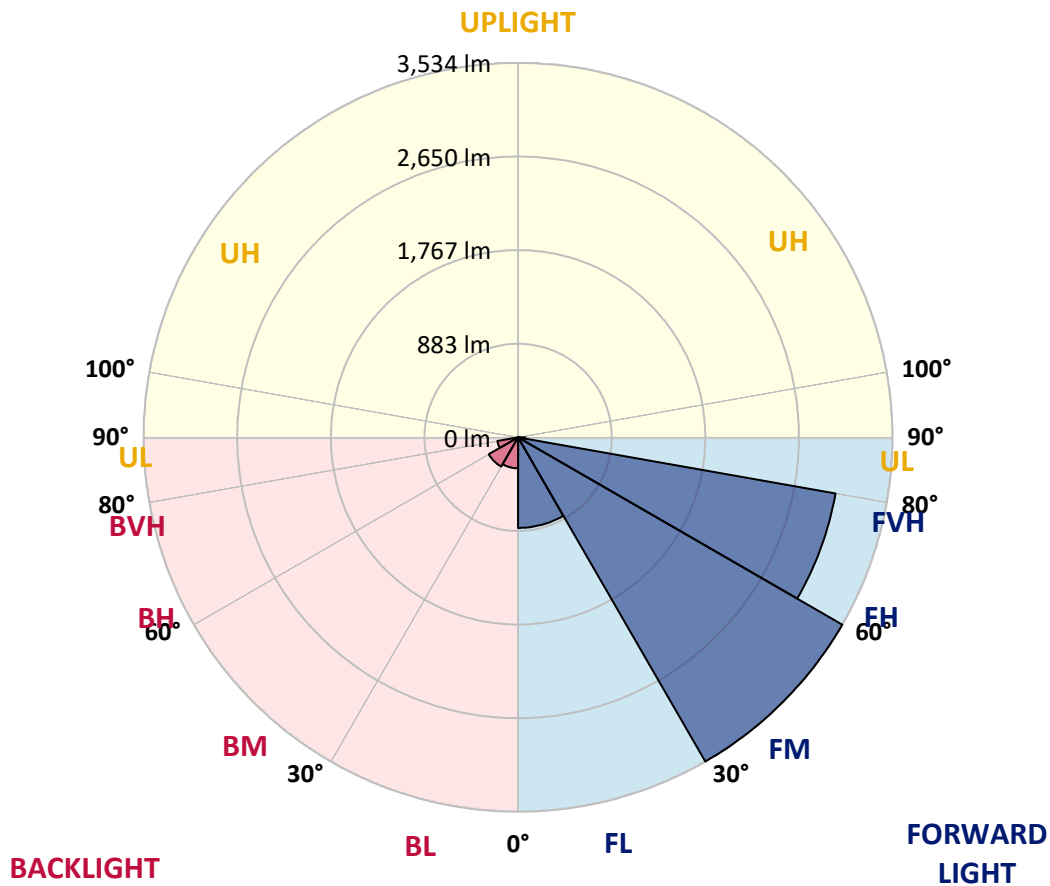
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	854.8	10.3			
FM (30°-60°)	3533.6	42.5			
FH (60°-80°)	3042.3	36.6			G2/5000
FVH (80°-90°)	66.5	0.8			G1/100
BL (0°-30°)	292.1	3.5	B1/500		
BM (30°-60°)	318.5	3.8	B1/1000		
BH (60°-80°)	198.2	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°	2396.7	2396.7	2396.7	2396.7	2396.7	2396.7	2396.7	2396.7	2396.7	2396.7	2396.7
2.5°	2521.0	2525.4	2531.3	2538.6	2537.1	2530.5	2522.4	2504.0	2492.3	2455.5	2410.6
5°	2440.1	2439.3	2454.0	2468.0	2493.0	2506.3	2524.6	2507.7	2501.8	2457.7	2384.9
7.5°	2282.0	2290.0	2307.0	2329.0	2365.1	2404.0	2448.2	2443.0	2460.7	2431.2	2340.8
10°	2126.8	2122.4	2148.8	2181.9	2237.1	2287.1	2351.1	2350.3	2396.7	2393.7	2290.8
12.5°	1990.7	1990.0	2010.6	2048.1	2112.8	2182.7	2269.5	2271.7	2329.0	2352.6	2248.1
15°	1876.0	1877.5	1897.3	1936.3	2003.2	2088.5	2189.3	2207.7	2272.4	2320.2	2206.2
17.5°	1794.4	1795.1	1806.9	1840.7	1906.2	1997.4	2118.7	2143.7	2226.8	2295.9	2172.4
20°	1756.9	1753.9	1756.1	1773.1	1823.8	1906.9	2046.6	2079.0	2184.9	2279.0	2141.5
22.5°	1762.0	1757.6	1747.3	1745.1	1767.9	1831.2	1970.1	2009.9	2139.3	2268.7	2113.5
25°	1807.6	1798.1	1783.4	1761.3	1752.5	1784.1	1903.2	1944.4	2096.6	2269.5	2092.2
27.5°	1877.5	1867.2	1848.8	1819.4	1784.8	1771.6	1857.6	1896.6	2066.5	2286.4	2081.9
30°	1966.5	1958.4	1940.7	1905.4	1859.1	1804.7	1848.1	1880.4	2051.8	2320.9	2086.3
32.5°	2071.6	2065.7	2051.0	2018.7	1965.7	1882.6	1880.4	1905.4	2063.5	2370.9	2103.3
35°	2173.1	2175.3	2176.1	2158.4	2101.8	2001.0	1969.4	1978.2	2112.1	2445.9	2141.5
37.5°	2282.7	2277.5	2304.0	2316.5	2262.1	2154.7	2106.9	2107.7	2204.7	2557.0	2213.6
40°	2365.8	2367.3	2424.6	2476.1	2453.3	2349.6	2281.2	2280.5	2347.4	2709.2	2329.8
42.5°	2443.7	2453.3	2537.9	2626.1	2657.7	2565.8	2516.5	2498.2	2547.4	2915.1	2504.0
45°	2526.8	2540.8	2659.2	2785.0	2868.1	2813.6	2774.7	2782.0	2787.9	3154.9	2738.6
47.5°	2623.9	2632.7	2779.1	2956.3	3111.5	3097.5	3099.7	3090.9	3088.0	3457.1	3049.0
50°	2741.6	2762.2	2930.6	3142.4	3354.2	3446.8	3477.7	3481.4	3433.6	3786.6	3370.3
52.5°	2991.6	3016.6	3160.8	3346.1	3618.9	3813.8	3939.6	3914.5	3841.0	4105.8	3722.6
55°	3286.5	3305.6	3444.6	3636.6	3942.5	4216.1	4514.6	4504.3	4324.2	4441.8	4012.4
57.5°	3314.5	3335.8	3551.3	3845.4	4358.0	4713.2	5027.2	5060.3	4796.3	4680.1	4271.2
60°	3000.4	3043.8	3338.0	3733.6	4516.8	5381.7	5589.1	5595.7	5142.7	4922.0	4587.4
62.5°	2404.8	2425.4	2721.7	3238.0	4272.0	5771.4	6447.3	6307.5	5587.6	5296.4	5088.2
65°	1260.5	1344.3	1602.4	2173.8	3464.5	5635.4	7479.8	7441.5	6387.7	5832.5	5478.0
67.5°	864.8	864.1	925.1	1133.3	2065.7	4852.2	7986.5	8407.1	7312.8	6016.3	5195.6
70°	658.2	660.4	714.8	850.1	1070.0	3229.9	7430.5	8149.7	7484.9	5462.6	4202.1
72.5°	436.8	441.2	531.7	686.9	854.5	1583.3	5774.4	6520.8	6298.0	4387.4	2957.8
75°	261.1	264.7	329.5	499.3	759.7	886.2	3668.9	4508.0	4335.2	3024.0	1585.5
77.5°	107.4	110.3	169.1	311.1	556.0	688.3	2029.0	2949.7	2596.7	1202.4	433.2
80°	44.9	46.3	81.6	217.7	400.8	431.7	939.8	1386.2	1064.1	258.9	132.4
82.5°	16.2	16.9	30.2	119.9	249.3	325.0	474.3	547.9	300.0	84.6	71.3
85°	0.7	0.7	7.4	40.4	94.9	91.9	271.4	262.5	99.3	35.3	42.7
87.5°	0.0	0.0	0.7	0.7	1.5	3.7	25.7	45.6	21.3	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°	2396.7	2396.7	2396.7	2396.7	2396.7	2396.7	2396.7	2396.7	2396.7	2396.7	2396.7
2.5°	2381.2	2342.3	2299.6	2259.9	2196.6	2159.1	2112.8	2092.2	2062.8	2055.4	2059.9
5°	2332.7	2265.8	2163.6	2070.9	1951.0	1854.7	1757.6	1716.4	1663.5	1628.2	1613.5
7.5°	2264.3	2176.8	2017.2	1848.8	1684.1	1508.3	1374.5	1286.2	1206.1	1161.9	1153.1
10°	2195.2	2081.2	1852.5	1611.3	1356.1	1145.8	964.8	831.0	722.2	672.9	634.7
12.5°	2123.8	1981.9	1684.8	1370.1	1073.7	786.9	563.3	433.2	355.2	324.3	329.5
15°	2058.4	1886.3	1518.6	1128.8	756.0	475.1	311.1	262.5	244.2	238.3	237.5
17.5°	1995.9	1795.9	1353.1	894.2	498.6	291.2	238.3	226.5	221.4	218.4	218.4
20°	1939.3	1709.1	1191.4	673.6	322.1	230.9	215.5	209.6	205.2	203.0	203.0
22.5°	1886.3	1625.2	1033.2	476.5	237.5	207.4	197.8	191.9	186.8	183.9	183.9
25°	1838.5	1549.5	882.5	328.0	204.4	189.7	179.4	172.8	164.0	158.8	158.8
27.5°	1803.9	1481.8	737.6	239.0	184.6	170.6	158.8	150.0	140.5	134.6	133.1
30°	1783.4	1424.5	591.3	196.4	166.2	152.2	139.0	128.0	116.9	111.0	110.3
32.5°	1771.6	1371.5	457.4	171.3	150.8	134.6	119.9	108.1	97.1	90.5	89.7
35°	1776.0	1330.3	342.7	154.4	136.0	119.1	103.0	91.2	81.6	75.7	74.3
37.5°	1814.2	1312.0	257.4	141.2	123.5	105.9	89.0	78.0	69.1	64.7	64.0
40°	1888.5	1315.6	202.2	130.9	113.3	92.7	76.5	66.2	59.6	55.9	55.2
42.5°	2004.0	1346.5	166.9	122.1	102.2	80.9	66.2	58.1	51.5	47.8	47.1
45°	2176.1	1410.5	145.6	111.8	90.5	69.9	57.4	50.0	44.1	39.7	39.0
47.5°	2425.4	1521.5	131.6	102.2	80.2	60.3	49.3	41.9	36.8	33.1	32.4
50°	2690.8	1654.7	119.9	92.7	71.3	52.2	41.9	34.6	30.2	26.5	25.7
52.5°	2974.0	1798.1	111.0	83.8	63.2	44.9	35.3	28.7	24.3	20.6	19.9
55°	3246.1	1942.2	100.8	78.0	53.7	38.2	29.4	23.5	19.1	16.2	16.2
57.5°	3510.8	2074.6	89.7	68.4	44.1	32.4	24.3	19.1	15.4	13.2	12.5
60°	3827.0	2257.7	77.2	58.1	36.8	27.2	19.9	15.4	12.5	10.3	10.3
62.5°	4297.0	2448.2	66.2	48.5	30.9	22.8	16.2	12.5	10.3	8.8	8.1
65°	4450.7	2345.2	55.9	39.7	25.0	18.4	13.2	11.0	8.8	8.1	7.4
67.5°	4040.3	1922.3	46.3	32.4	20.6	15.4	11.8	9.6	8.1	7.4	6.6
70°	3152.7	1364.2	36.0	24.3	16.9	12.5	10.3	8.8	7.4	6.6	6.6
72.5°	2144.4	806.7	28.7	18.4	14.0	11.0	8.8	8.1	7.4	6.6	5.9
75°	1056.0	286.8	22.1	14.0	11.0	9.6	8.1	7.4	6.6	5.9	5.9
77.5°	284.6	79.4	16.9	11.0	8.8	7.4	7.4	7.4	6.6	5.1	5.1
80°	96.3	33.1	12.5	8.1	7.4	5.9	5.1	6.6	5.9	5.1	4.4
82.5°	52.9	16.2	8.8	6.6	5.1	4.4	4.4	4.4	4.4	3.7	3.7
85°	33.8	8.8	5.9	5.1	5.1	3.7	2.9	2.9	2.2	2.2	2.2
87.5°	15.4	5.1	5.1	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)