

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: P631435

Luminaire Tested: GWS-SA1F-760-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631435
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-SA1F-760-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6884.2 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

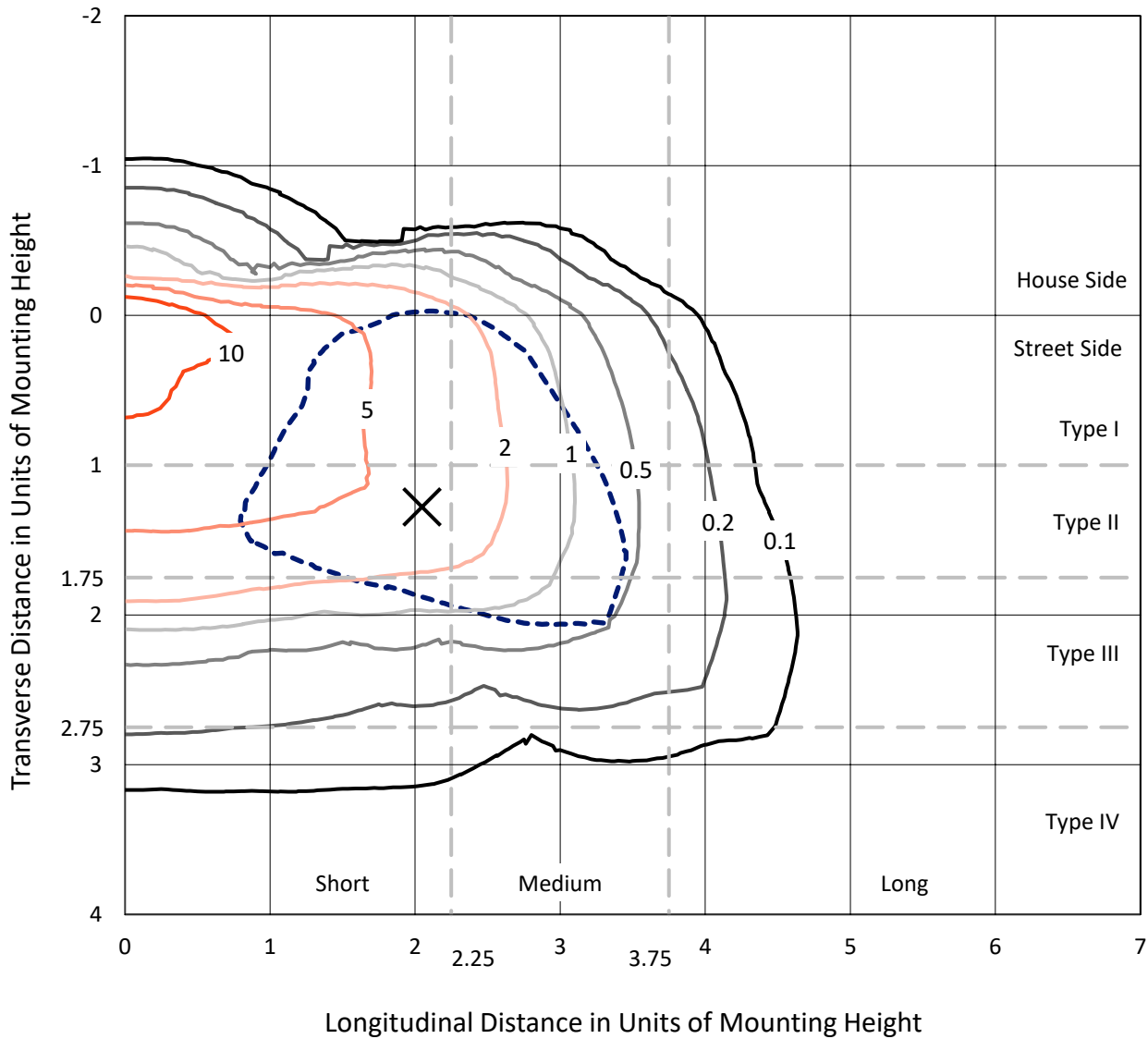
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

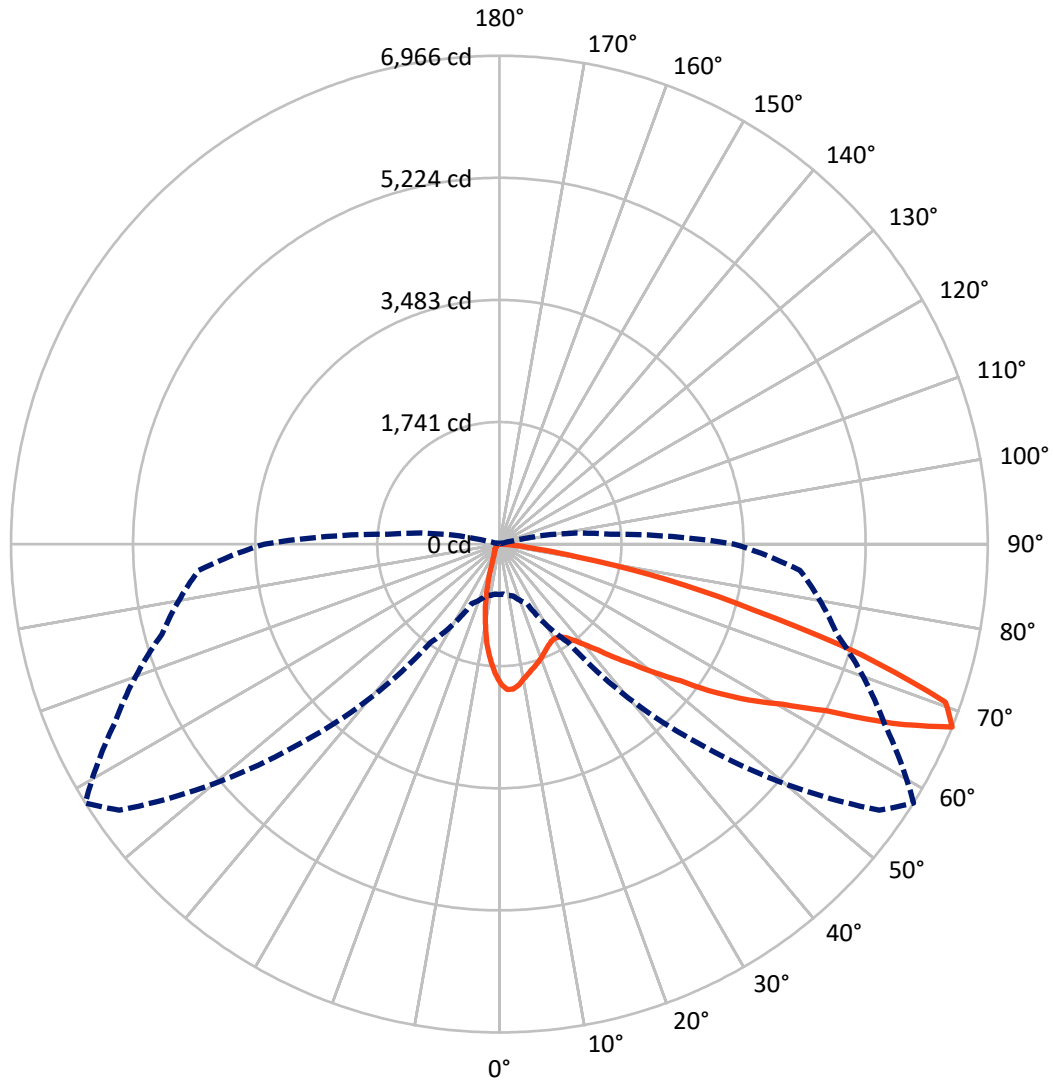
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.9 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	672.6	0.0	672.6
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	6211.6	0.0	6211.6
	% Fixture	90.2	0.0	90.2
Total	Lumens	6884.2	0.0	6884.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.4	2.3
10°-20°	335.9	4.9
20°-30°	453.0	6.6
30°-40°	636.5	9.2
40°-50°	983.0	14.3
50°-60°	1572.0	22.8
60°-70°	1861.4	27.0
70°-80°	823.4	12.0
80°-90°	57.6	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°	6884.2	100.0
0°-180°	6884.2	100.0

Coefficient of Utilization

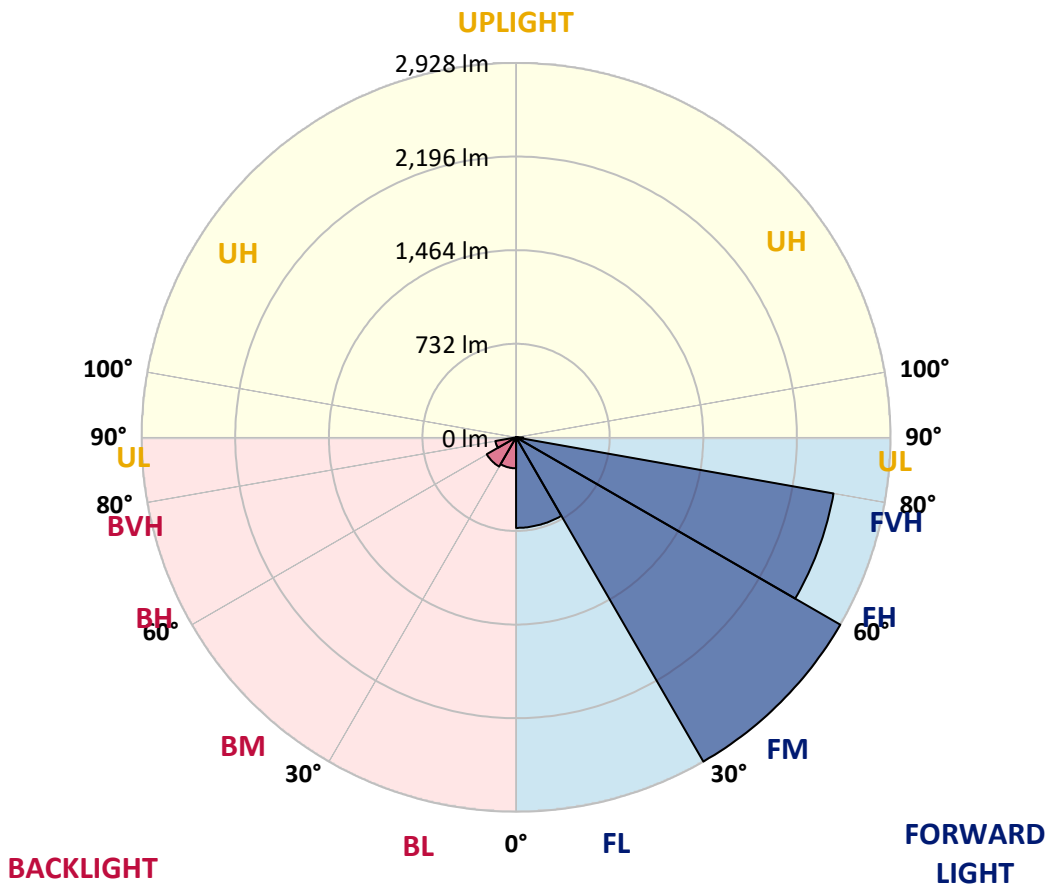


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	708.2	10.3			
FM (30°-60°)	2927.7	42.5			
FH (60°-80°)	2520.6	36.6			G2/5000
FVH (80°-90°)	55.1	0.8			G1/100
BL (0°-30°)	242.0	3.5	B1/500		
BM (30°-60°)	263.9	3.8	B1/1000		
BH (60°-80°)	164.2	2.4	B1/500		G1/500
BVH (80°-90°)	2.5	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°	1985.7	1985.7	1985.7	1985.7	1985.7	1985.7	1985.7	1985.7	1985.7	1985.7	1985.7
2.5°	2088.7	2092.4	2097.2	2103.3	2102.1	2096.6	2089.9	2074.7	2064.9	2034.5	1997.3
5°	2021.7	2021.1	2033.3	2044.8	2065.5	2076.5	2091.7	2077.7	2072.9	2036.3	1976.0
7.5°	1890.7	1897.4	1911.4	1929.7	1959.5	1991.8	2028.4	2024.1	2038.7	2014.4	1939.4
10°	1762.1	1758.5	1780.4	1807.8	1853.5	1894.9	1947.9	1947.3	1985.7	1983.3	1898.0
12.5°	1649.4	1648.8	1665.8	1696.9	1750.5	1808.4	1880.3	1882.1	1929.7	1949.2	1862.6
15°	1554.3	1555.6	1572.0	1604.3	1659.7	1730.4	1813.9	1829.1	1882.8	1922.4	1827.9
17.5°	1486.7	1487.3	1497.1	1525.1	1579.3	1654.9	1755.4	1776.1	1845.0	1902.3	1799.9
20°	1455.6	1453.2	1455.0	1469.0	1511.1	1579.9	1695.7	1722.5	1810.2	1888.2	1774.3
22.5°	1459.9	1456.2	1447.7	1445.9	1464.8	1517.2	1632.3	1665.2	1772.5	1879.7	1751.1
25°	1497.7	1489.8	1477.6	1459.3	1452.0	1478.2	1576.9	1611.0	1737.1	1880.3	1733.5
27.5°	1555.6	1547.0	1531.8	1507.4	1478.8	1467.8	1539.1	1571.4	1712.1	1894.3	1724.9
30°	1629.3	1622.6	1608.0	1578.7	1540.3	1495.2	1531.2	1558.0	1700.0	1923.0	1728.6
32.5°	1716.4	1711.5	1699.4	1672.5	1628.7	1559.8	1558.0	1578.7	1709.7	1964.4	1742.6
35°	1800.5	1802.3	1802.9	1788.3	1741.4	1657.9	1631.7	1639.0	1749.9	2026.5	1774.3
37.5°	1891.3	1887.0	1909.0	1919.3	1874.2	1785.3	1745.7	1746.3	1826.7	2118.6	1834.0
40°	1960.1	1961.4	2008.9	2051.5	2032.6	1946.7	1890.1	1889.5	1944.9	2244.7	1930.3
42.5°	2024.7	2032.6	2102.7	2175.8	2202.0	2125.9	2085.0	2069.8	2110.6	2415.3	2074.7
45°	2093.6	2105.2	2203.2	2307.4	2376.3	2331.2	2298.9	2305.0	2309.9	2613.9	2269.1
47.5°	2174.0	2181.3	2302.6	2449.4	2578.0	2566.4	2568.2	2560.9	2558.5	2864.3	2526.2
50°	2271.5	2288.6	2428.1	2603.6	2779.0	2855.8	2881.4	2884.5	2844.8	3137.3	2792.4
52.5°	2478.7	2499.4	2618.8	2772.3	2998.4	3159.9	3264.0	3243.3	3182.4	3401.8	3084.3
55°	2723.0	2738.8	2854.0	3013.0	3266.5	3493.1	3740.5	3732.0	3582.7	3680.2	3324.4
57.5°	2746.1	2763.8	2942.3	3186.1	3610.7	3905.0	4165.2	4192.6	3973.9	3877.6	3538.8
60°	2486.0	2521.9	2765.6	3093.4	3742.4	4458.9	4630.7	4636.2	4260.9	4078.1	3800.8
62.5°	1992.4	2009.5	2255.0	2682.8	3539.5	4781.8	5341.8	5226.0	4629.5	4388.2	4215.8
65°	1044.3	1113.8	1327.7	1801.1	2870.4	4669.1	6197.2	6165.6	5292.4	4832.4	4538.7
67.5°	716.5	715.9	766.5	938.9	1711.5	4020.2	6617.1	6965.6	6058.9	4984.7	4304.7
70°	545.3	547.2	592.2	704.4	886.5	2676.1	6156.4	6752.3	6201.5	4525.9	3481.6
72.5°	361.9	365.6	440.5	569.1	708.0	1311.8	4784.3	5402.7	5218.1	3635.1	2450.6
75°	216.3	219.3	273.0	413.7	629.4	734.2	3039.8	3735.0	3591.9	2505.5	1313.7
77.5°	89.0	91.4	140.1	257.7	460.6	570.3	1681.1	2443.9	2151.5	996.2	358.9
80°	37.2	38.4	67.6	180.4	332.1	357.7	778.7	1148.5	881.7	214.5	109.7
82.5°	13.4	14.0	25.0	99.3	206.6	269.3	393.0	453.9	248.6	70.1	59.1
85°	0.6	0.6	6.1	33.5	78.6	76.2	224.8	217.5	82.3	29.2	35.3
87.5°	0.0	0.0	0.6	0.6	1.2	3.0	21.3	37.8	17.7	7.3	15.2
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°	1985.7	1985.7	1985.7	1985.7	1985.7	1985.7	1985.7	1985.7	1985.7	1985.7	1985.7
2.5°	1972.9	1940.6	1905.3	1872.4	1820.0	1788.9	1750.5	1733.5	1709.1	1703.0	1706.7
5°	1932.7	1877.3	1792.6	1715.8	1616.5	1536.7	1456.2	1422.1	1378.2	1349.0	1336.8
7.5°	1876.1	1803.5	1671.3	1531.8	1395.3	1249.7	1138.8	1065.7	999.3	962.7	955.4
10°	1818.8	1724.3	1534.8	1335.0	1123.6	949.3	799.4	688.5	598.3	557.5	525.8
12.5°	1759.7	1642.1	1395.9	1135.1	889.6	652.0	466.7	358.9	294.3	268.7	273.0
15°	1705.4	1562.9	1258.2	935.3	626.4	393.6	257.7	217.5	202.3	197.4	196.8
17.5°	1653.7	1487.9	1121.1	740.9	413.1	241.3	197.4	187.7	183.4	181.0	181.0
20°	1606.7	1416.0	987.1	558.1	266.9	191.3	178.5	173.7	170.0	168.2	168.2
22.5°	1562.9	1346.6	856.1	394.8	196.8	171.8	163.9	159.0	154.8	152.3	152.3
25°	1523.3	1283.8	731.2	271.8	169.4	157.2	148.7	143.2	135.9	131.6	131.6
27.5°	1494.6	1227.8	611.1	198.0	152.9	141.4	131.6	124.3	116.4	111.5	110.3
30°	1477.6	1180.2	489.9	162.7	137.7	126.1	115.2	106.0	96.9	92.0	91.4
32.5°	1467.8	1136.4	379.0	142.0	124.9	111.5	99.3	89.6	80.4	74.9	74.3
35°	1471.5	1102.2	283.9	128.0	112.7	98.7	85.3	75.6	67.6	62.8	61.5
37.5°	1503.2	1087.0	213.3	117.0	102.4	87.7	73.7	64.6	57.3	53.6	53.0
40°	1564.7	1090.0	167.6	108.5	93.8	76.8	63.4	54.8	49.4	46.3	45.7
42.5°	1660.4	1115.6	138.3	101.1	84.7	67.0	54.8	48.1	42.7	39.6	39.0
45°	1802.9	1168.6	120.6	92.6	74.9	57.9	47.5	41.4	36.6	32.9	32.3
47.5°	2009.5	1260.7	109.1	84.7	66.4	50.0	40.8	34.7	30.5	27.4	26.8
50°	2229.4	1370.9	99.3	76.8	59.1	43.3	34.7	28.6	25.0	21.9	21.3
52.5°	2464.0	1489.8	92.0	69.5	52.4	37.2	29.2	23.8	20.1	17.1	16.5
55°	2689.5	1609.2	83.5	64.6	44.5	31.7	24.4	19.5	15.8	13.4	13.4
57.5°	2908.8	1718.9	74.3	56.7	36.6	26.8	20.1	15.8	12.8	11.0	10.4
60°	3170.8	1870.6	64.0	48.1	30.5	22.5	16.5	12.8	10.4	8.5	8.5
62.5°	3560.2	2028.4	54.8	40.2	25.6	18.9	13.4	10.4	8.5	7.3	6.7
65°	3687.5	1943.1	46.3	32.9	20.7	15.2	11.0	9.1	7.3	6.7	6.1
67.5°	3347.5	1592.7	38.4	26.8	17.1	12.8	9.7	7.9	6.7	6.1	5.5
70°	2612.1	1130.3	29.9	20.1	14.0	10.4	8.5	7.3	6.1	5.5	5.5
72.5°	1776.7	668.4	23.8	15.2	11.6	9.1	7.3	6.7	6.1	5.5	4.9
75°	875.0	237.6	18.3	11.6	9.1	7.9	6.7	6.1	5.5	4.9	4.9
77.5°	235.8	65.8	14.0	9.1	7.3	6.1	6.1	6.1	5.5	4.3	4.3
80°	79.8	27.4	10.4	6.7	6.1	4.9	4.3	5.5	4.9	4.3	3.7
82.5°	43.9	13.4	7.3	5.5	4.3	3.7	3.7	3.7	3.7	3.0	3.0
85°	28.0	7.3	4.9	4.3	4.3	3.0	2.4	2.4	1.8	1.8	1.8
87.5°	12.8	4.3	4.3	3.7	3.7	3.0	1.8	1.2	0.6	0.6	0.6
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)