

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: P631380

Luminaire Tested: GWS-SA1F-750-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631380
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6979.9 lumens
Efficiency: N/A
Efficacy: 103.9 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

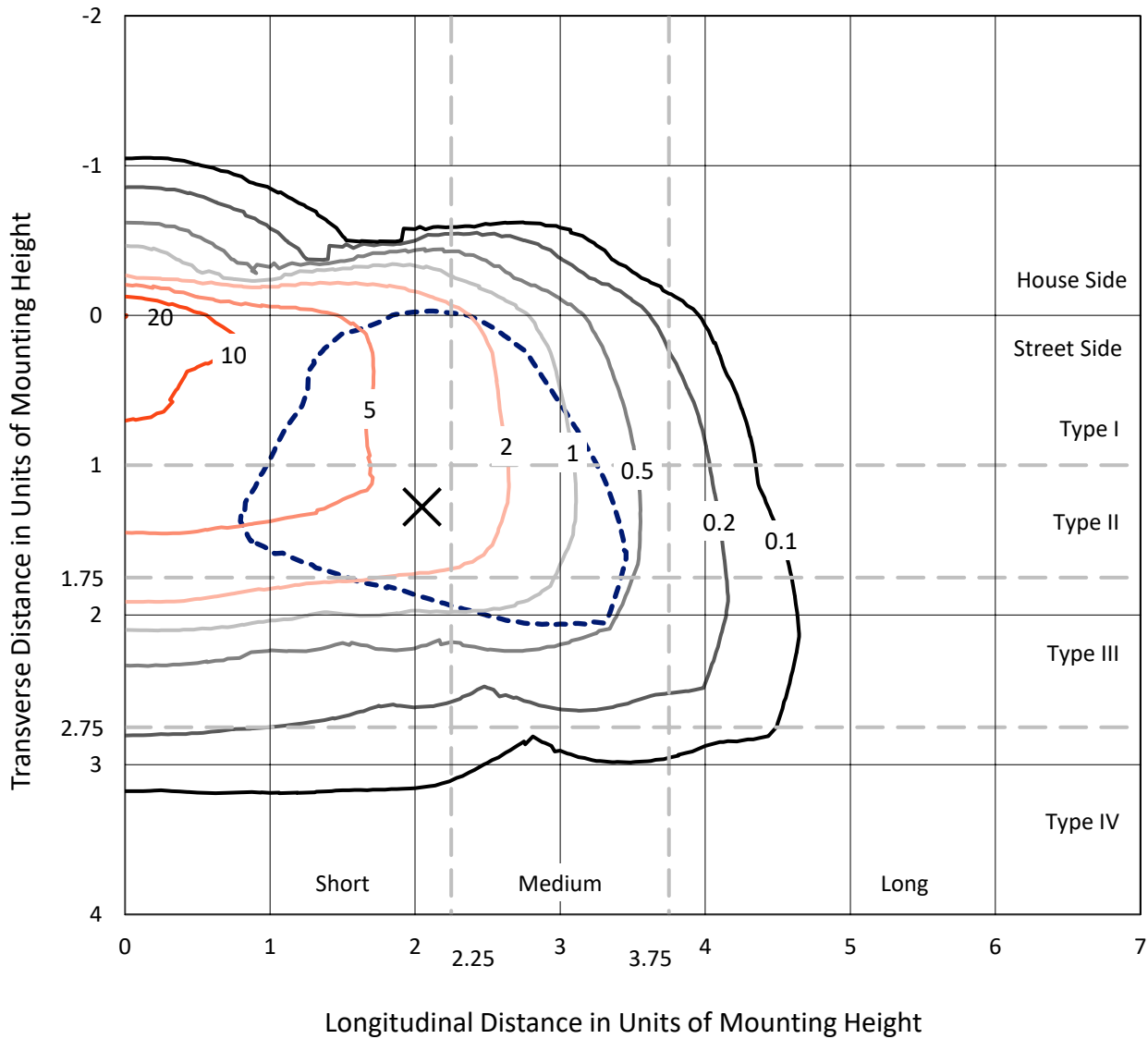
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

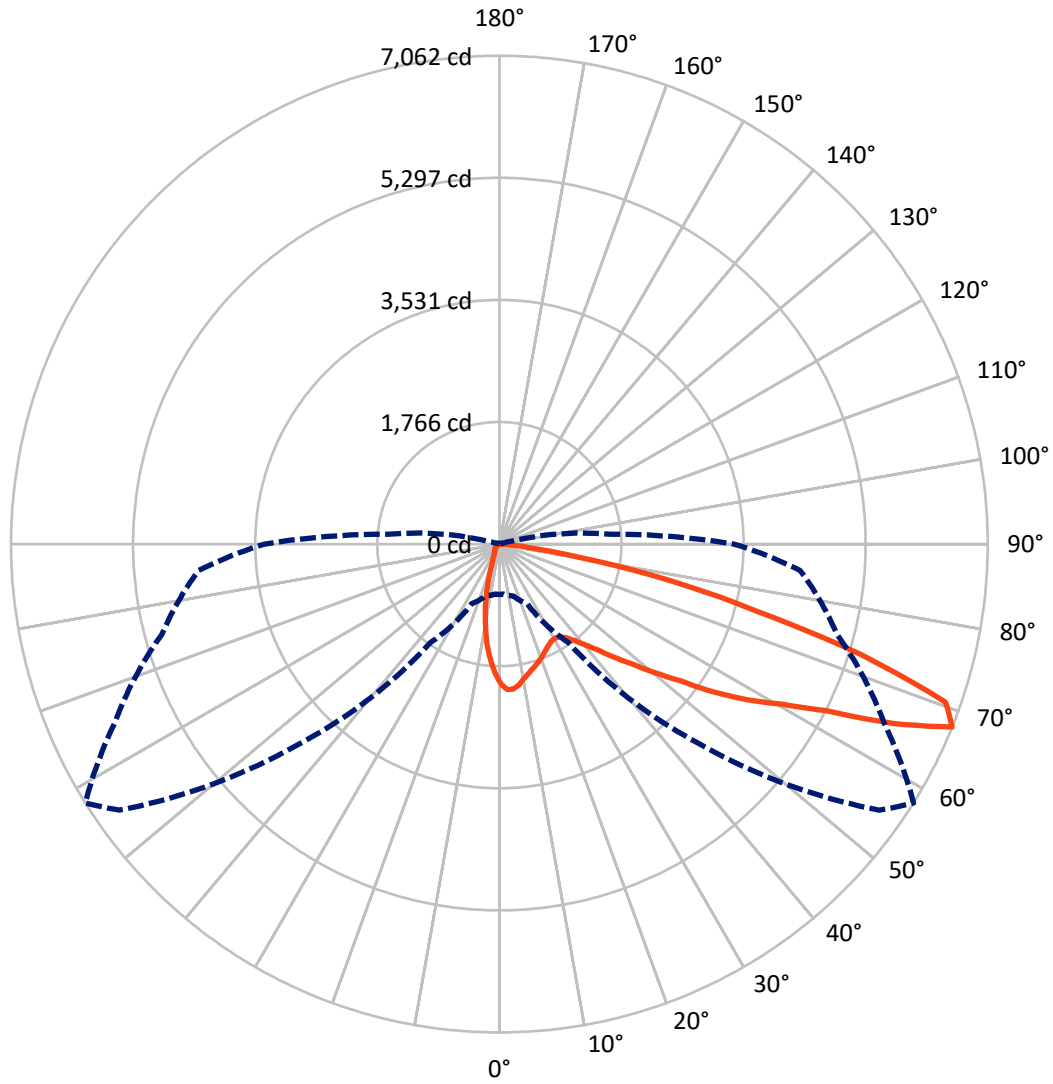
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.1 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	681.9	0.0	681.9
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	6298.0	0.0	6298.0
	% Fixture	90.2	0.0	90.2
Total	Lumens	6979.9	0.0	6979.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.6	2.3
10°-20°	340.6	4.9
20°-30°	459.3	6.6
30°-40°	645.4	9.2
40°-50°	996.7	14.3
50°-60°	1593.9	22.8
60°-70°	1887.3	27.0
70°-80°	834.9	12.0
80°-90°	58.4	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°	6979.9	100.0
0°-180°	6979.9	100.0

Coefficient of Utilization

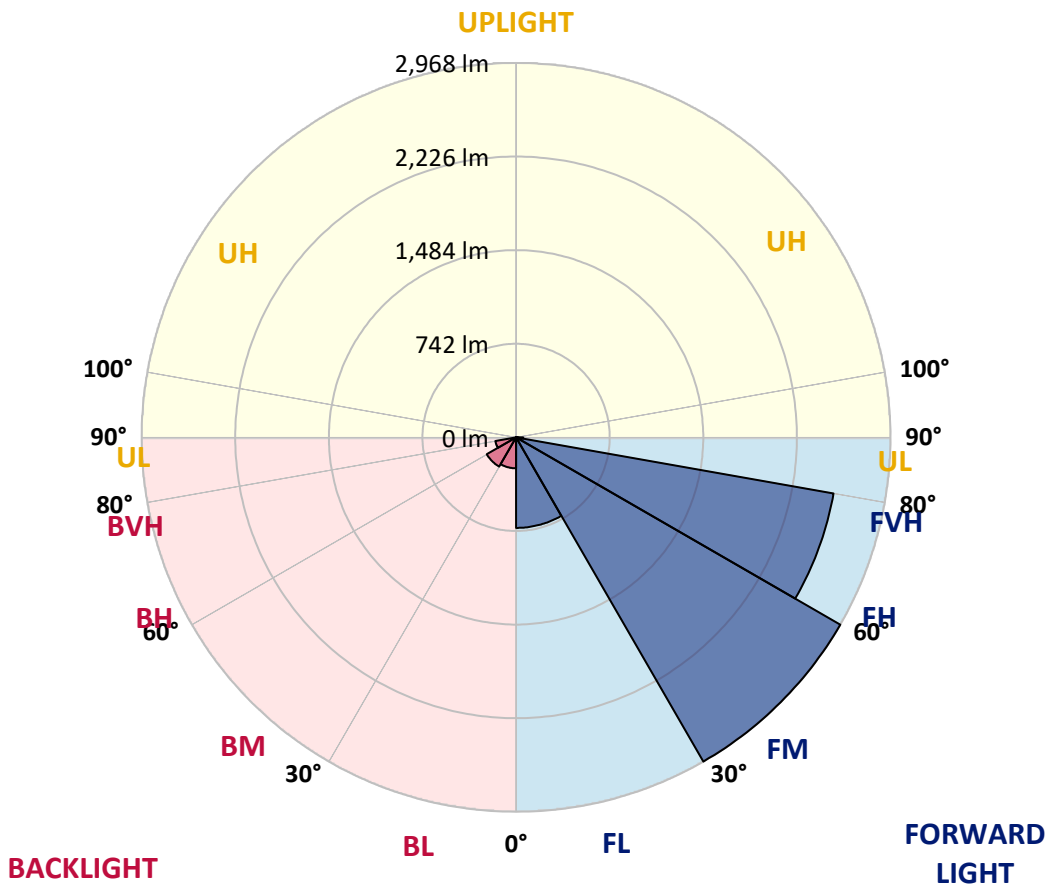


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	718.1	10.3			
FM (30°-60°)	2968.4	42.5			
FH (60°-80°)	2555.7	36.6			G2/5000
FVH (80°-90°)	55.9	0.8			G1/100
BL (0°-30°)	245.4	3.5	B1/500		
BM (30°-60°)	267.6	3.8	B1/1000		
BH (60°-80°)	166.5	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°	2013.3	2013.3	2013.3	2013.3	2013.3	2013.3	2013.3	2013.3	2013.3	2013.3	2013.3
2.5°	2117.7	2121.4	2126.4	2132.6	2131.3	2125.8	2119.0	2103.5	2093.6	2062.8	2025.1
5°	2049.8	2049.2	2061.5	2073.3	2094.3	2105.4	2120.8	2106.6	2101.7	2064.6	2003.4
7.5°	1917.0	1923.8	1938.0	1956.5	1986.8	2019.5	2056.6	2052.3	2067.1	2042.4	1966.4
10°	1786.6	1782.9	1805.1	1832.9	1879.3	1921.3	1975.0	1974.4	2013.3	2010.9	1924.4
12.5°	1672.3	1671.7	1689.0	1720.5	1774.9	1833.6	1906.5	1908.3	1956.5	1976.3	1888.5
15°	1575.9	1577.2	1593.9	1626.6	1682.8	1754.5	1839.1	1854.6	1908.9	1949.1	1853.3
17.5°	1507.4	1508.0	1517.9	1546.3	1601.3	1677.9	1779.8	1800.8	1870.6	1928.7	1824.9
20°	1475.9	1473.4	1475.2	1489.5	1532.1	1601.9	1719.3	1746.5	1835.4	1914.5	1799.0
22.5°	1480.2	1476.5	1467.8	1466.0	1485.1	1538.3	1655.0	1688.4	1797.1	1905.8	1775.5
25°	1518.5	1510.5	1498.1	1479.6	1472.2	1498.7	1598.8	1633.4	1761.3	1906.5	1757.6
27.5°	1577.2	1568.5	1553.1	1528.4	1499.3	1488.2	1560.5	1593.2	1735.9	1920.7	1748.9
30°	1651.9	1645.1	1630.3	1600.7	1561.7	1516.0	1552.5	1579.7	1723.6	1949.7	1752.6
32.5°	1740.3	1735.3	1723.0	1695.8	1651.3	1581.5	1579.7	1600.7	1733.5	1991.7	1766.8
35°	1825.5	1827.4	1828.0	1813.2	1765.6	1681.0	1654.4	1661.8	1774.3	2054.7	1799.0
37.5°	1917.6	1913.3	1935.5	1946.0	1900.3	1810.1	1769.9	1770.5	1852.1	2148.0	1859.5
40°	1987.4	1988.6	2036.8	2080.1	2060.9	1973.8	1916.3	1915.7	1971.9	2275.9	1957.1
42.5°	2052.9	2060.9	2131.9	2206.1	2232.6	2155.4	2114.0	2098.6	2140.0	2448.9	2103.5
45°	2122.7	2134.4	2233.9	2339.5	2409.3	2363.6	2330.9	2337.0	2342.0	2650.3	2300.6
47.5°	2204.2	2211.6	2334.6	2483.5	2613.8	2602.1	2603.9	2596.5	2594.0	2904.2	2561.3
50°	2303.1	2320.4	2461.8	2639.8	2817.7	2895.5	2921.5	2924.5	2884.4	3180.9	2831.3
52.5°	2513.1	2534.1	2655.2	2810.9	3040.1	3203.8	3309.4	3288.4	3226.6	3449.0	3127.2
55°	2760.8	2776.9	2893.7	3054.9	3311.9	3541.7	3792.5	3783.9	3632.5	3731.4	3370.6
57.5°	2784.3	2802.2	2983.2	3230.3	3660.9	3959.3	4223.1	4250.9	4029.1	3931.5	3588.0
60°	2520.5	2557.0	2804.1	3136.4	3794.4	4520.9	4695.1	4700.7	4320.1	4134.8	3853.7
62.5°	2020.1	2037.4	2286.4	2720.1	3588.7	4848.3	5416.0	5298.7	4693.9	4449.2	4274.4
65°	1058.9	1129.3	1346.1	1826.1	2910.3	4734.0	6283.4	6251.3	5366.0	4899.6	4601.8
67.5°	726.5	725.9	777.2	952.0	1735.3	4076.1	6709.0	7062.4	6143.2	5054.0	4364.6
70°	552.9	554.8	600.5	714.1	898.9	2713.3	6242.0	6846.2	6287.7	4588.8	3530.0
72.5°	367.0	370.7	446.7	577.0	717.9	1330.1	4850.8	5477.8	5290.6	3685.6	2484.7
75°	219.3	222.4	276.8	419.5	638.2	744.4	3082.1	3787.0	3641.8	2540.3	1331.9
77.5°	90.2	92.7	142.1	261.3	467.0	578.2	1704.4	2477.9	2181.4	1010.1	363.9
80°	37.7	38.9	68.6	182.9	336.7	362.6	789.5	1164.5	893.9	217.5	111.2
82.5°	13.6	14.2	25.3	100.7	209.4	273.1	398.5	460.2	252.1	71.0	59.9
85°	0.6	0.6	6.2	34.0	79.7	77.2	228.0	220.5	83.4	29.7	35.8
87.5°	0.0	0.0	0.6	0.6	1.2	3.1	21.6	38.3	17.9	7.4	15.4
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°	2013.3	2013.3	2013.3	2013.3	2013.3	2013.3	2013.3	2013.3	2013.3	2013.3	2013.3
2.5°	2000.4	1967.6	1931.8	1898.4	1845.3	1813.8	1774.9	1757.6	1732.9	1726.7	1730.4
5°	1959.6	1903.4	1817.5	1739.7	1639.0	1558.0	1476.5	1441.9	1397.4	1367.8	1355.4
7.5°	1902.1	1828.6	1694.6	1553.1	1414.7	1267.1	1154.6	1080.5	1013.2	976.1	968.7
10°	1844.1	1748.3	1556.2	1353.5	1139.2	962.5	810.5	698.1	606.7	565.3	533.1
12.5°	1784.1	1664.9	1415.3	1150.9	902.0	661.0	473.2	363.9	298.4	272.4	276.8
15°	1729.2	1584.6	1275.7	948.3	635.1	399.1	261.3	220.5	205.1	200.2	199.5
17.5°	1676.6	1508.6	1136.7	751.2	418.9	244.6	200.2	190.3	186.0	183.5	183.5
20°	1629.1	1435.7	1000.8	565.9	270.6	194.0	181.0	176.1	172.4	170.5	170.5
22.5°	1584.6	1365.3	868.0	400.3	199.5	174.2	166.2	161.2	156.9	154.4	154.4
25°	1544.4	1301.7	741.3	275.5	171.7	159.4	150.7	145.2	137.8	133.4	133.4
27.5°	1515.4	1244.8	619.6	200.8	155.1	143.3	133.4	126.0	118.0	113.1	111.8
30°	1498.1	1196.6	496.7	164.9	139.6	127.9	116.8	107.5	98.2	93.3	92.7
32.5°	1488.2	1152.2	384.3	143.9	126.6	113.1	100.7	90.8	81.5	76.0	75.4
35°	1491.9	1117.6	287.9	129.7	114.3	100.1	86.5	76.6	68.6	63.6	62.4
37.5°	1524.1	1102.1	216.2	118.6	103.8	89.0	74.8	65.5	58.1	54.4	53.7
40°	1586.4	1105.2	169.9	110.0	95.1	77.8	64.2	55.6	50.0	47.0	46.3
42.5°	1683.4	1131.1	140.2	102.6	85.9	68.0	55.6	48.8	43.2	40.2	39.5
45°	1828.0	1184.9	122.3	93.9	76.0	58.7	48.2	42.0	37.1	33.4	32.7
47.5°	2037.4	1278.2	110.6	85.9	67.3	50.7	41.4	35.2	30.9	27.8	27.2
50°	2260.4	1390.0	100.7	77.8	59.9	43.9	35.2	29.0	25.3	22.2	21.6
52.5°	2498.3	1510.5	93.3	70.4	53.1	37.7	29.7	24.1	20.4	17.3	16.7
55°	2726.9	1631.5	84.6	65.5	45.1	32.1	24.7	19.8	16.1	13.6	13.6
57.5°	2949.3	1742.7	75.4	57.5	37.1	27.2	20.4	16.1	13.0	11.1	10.5
60°	3214.9	1896.6	64.9	48.8	30.9	22.9	16.7	13.0	10.5	8.6	8.6
62.5°	3609.7	2056.6	55.6	40.8	25.9	19.2	13.6	10.5	8.6	7.4	6.8
65°	3738.8	1970.1	47.0	33.4	21.0	15.4	11.1	9.3	7.4	6.8	6.2
67.5°	3394.1	1614.9	38.9	27.2	17.3	13.0	9.9	8.0	6.8	6.2	5.6
70°	2648.4	1146.0	30.3	20.4	14.2	10.5	8.6	7.4	6.2	5.6	5.6
72.5°	1801.4	677.7	24.1	15.4	11.7	9.3	7.4	6.8	6.2	5.6	4.9
75°	887.1	240.9	18.5	11.7	9.3	8.0	6.8	6.2	5.6	4.9	4.9
77.5°	239.1	66.7	14.2	9.3	7.4	6.2	6.2	6.2	5.6	4.3	4.3
80°	80.9	27.8	10.5	6.8	6.2	4.9	4.3	5.6	4.9	4.3	3.7
82.5°	44.5	13.6	7.4	5.6	4.3	3.7	3.7	3.7	3.7	3.1	3.1
85°	28.4	7.4	4.9	4.3	4.3	3.1	2.5	2.5	1.9	1.9	1.9
87.5°	13.0	4.3	4.3	3.7	3.7	3.1	1.9	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)