

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: P630885

Luminaire Tested: GWS-SA1E-750-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630885
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-SA1E-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: 6277.9 lumens
Efficiency: N/A
Efficacy: 107.5 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

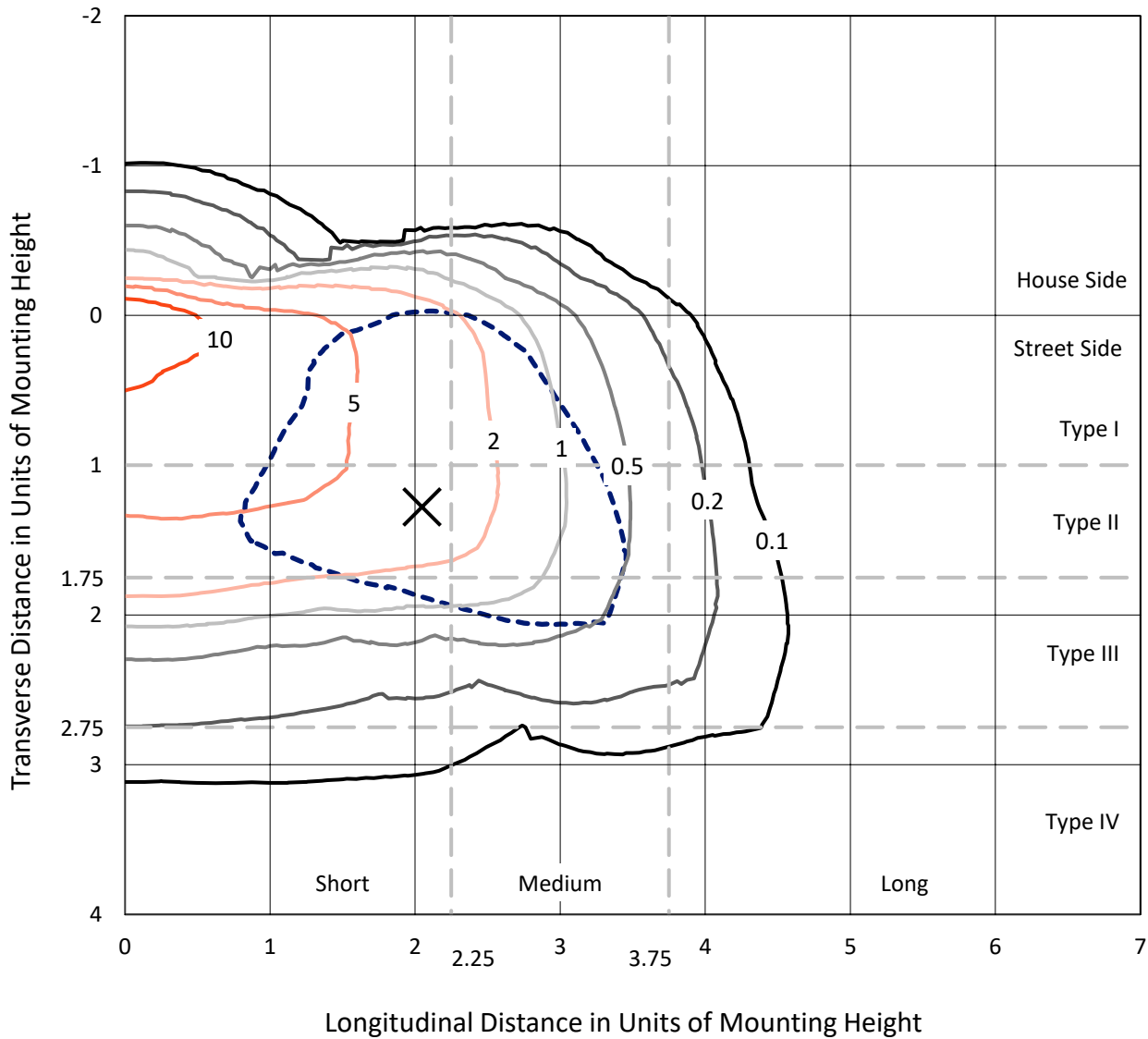
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

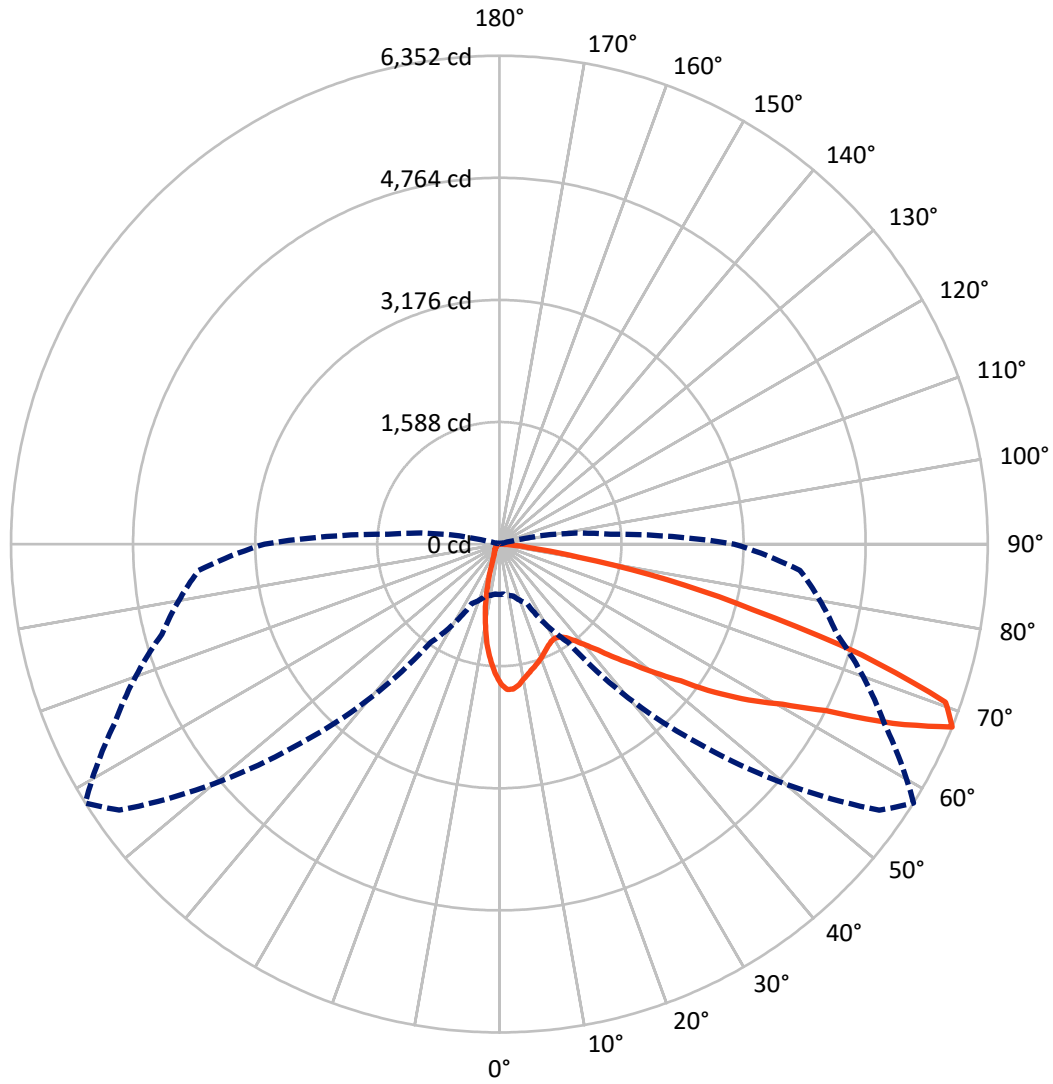
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.1 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	613.3	0.0	613.3
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	5664.6	0.0	5664.6
	% Fixture	90.2	0.0	90.2
Total	Lumens	6277.9	0.0	6277.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.2	2.3
10°-20°	306.3	4.9
20°-30°	413.1	6.6
30°-40°	580.5	9.2
40°-50°	896.5	14.3
50°-60°	1433.6	22.8
60°-70°	1697.4	27.0
70°-80°	750.9	12.0
80°-90°	52.5	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°	6277.9	100.0
0°-180°	6277.9	100.0

Coefficient of Utilization



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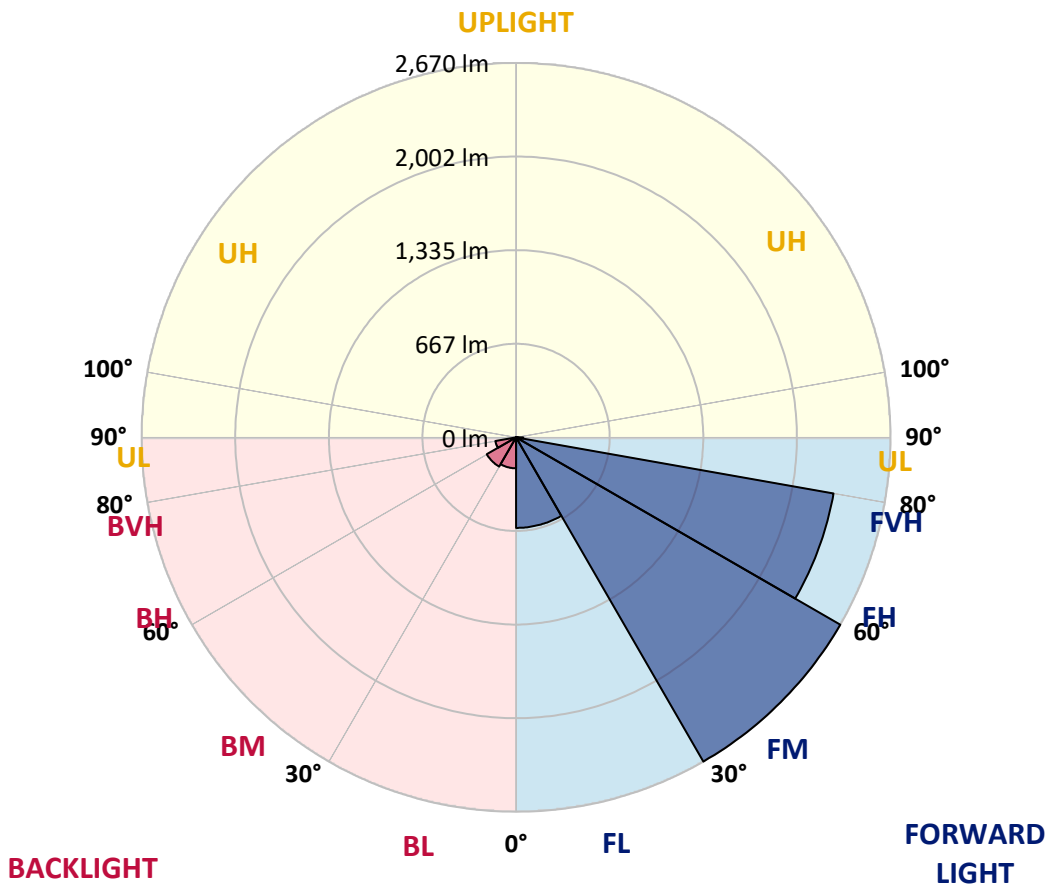
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	645.8	10.3			
FM (30°-60°)	2669.9	42.5			
FH (60°-80°)	2298.6	36.6			G2/5000
FVH (80°-90°)	50.3	0.8			G1/100
BL (0°-30°)	220.7	3.5	B1/500		
BM (30°-60°)	240.6	3.8	B1/1000		
BH (60°-80°)	149.7	2.4	B1/500		G1/500
BVH (80°-90°)	2.2	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°	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8
2.5°	1904.7	1908.1	1912.5	1918.1	1917.0	1912.0	1905.9	1892.0	1883.1	1855.3	1821.4
5°	1843.6	1843.1	1854.2	1864.7	1883.6	1893.6	1907.5	1894.7	1890.3	1857.0	1802.0
7.5°	1724.2	1730.3	1743.1	1759.7	1786.9	1816.4	1849.7	1845.8	1859.2	1837.0	1768.6
10°	1606.9	1603.6	1623.6	1648.6	1690.3	1728.1	1776.4	1775.8	1810.8	1808.6	1730.8
12.5°	1504.1	1503.6	1519.1	1547.5	1596.4	1649.1	1714.7	1716.4	1759.7	1777.5	1698.6
15°	1417.4	1418.6	1433.6	1463.0	1513.6	1578.0	1654.1	1668.0	1716.9	1753.1	1666.9
17.5°	1355.8	1356.3	1365.2	1390.8	1440.2	1509.1	1600.8	1619.7	1682.5	1734.7	1641.4
20°	1327.4	1325.2	1326.9	1339.7	1378.0	1440.8	1546.4	1570.8	1650.8	1721.9	1618.0
22.5°	1331.3	1328.0	1320.2	1318.5	1335.8	1383.6	1488.6	1518.6	1616.4	1714.2	1596.9
25°	1365.8	1358.5	1347.4	1330.8	1324.1	1348.0	1438.0	1469.1	1584.1	1714.7	1580.8
27.5°	1418.6	1410.8	1396.9	1374.7	1348.5	1338.5	1403.6	1433.0	1561.4	1727.5	1573.0
30°	1485.8	1479.7	1466.3	1439.7	1404.7	1363.5	1396.3	1420.8	1550.2	1753.6	1576.4
32.5°	1565.2	1560.8	1549.7	1525.2	1485.2	1422.4	1420.8	1439.7	1559.1	1791.4	1589.1
35°	1641.9	1643.6	1644.1	1630.8	1588.0	1511.9	1488.0	1494.7	1595.8	1848.1	1618.0
37.5°	1724.7	1720.8	1740.8	1750.3	1709.2	1628.0	1591.9	1592.5	1665.8	1932.0	1672.5
40°	1787.5	1788.6	1832.0	1870.9	1853.6	1775.3	1723.6	1723.0	1773.6	2047.0	1760.3
42.5°	1846.4	1853.6	1917.5	1984.2	2008.1	1938.6	1901.4	1887.5	1924.7	2202.6	1892.0
45°	1909.2	1919.7	2009.2	2104.2	2167.0	2125.9	2096.4	2102.0	2106.4	2383.7	2069.2
47.5°	1982.5	1989.2	2099.8	2233.7	2350.9	2340.4	2342.0	2335.4	2333.1	2612.1	2303.7
50°	2071.4	2087.0	2214.2	2374.3	2534.3	2604.3	2627.6	2630.4	2594.3	2861.0	2546.5
52.5°	2260.4	2279.2	2388.2	2528.2	2734.3	2881.6	2976.6	2957.7	2902.1	3102.2	2812.7
55°	2483.2	2497.6	2602.6	2747.7	2978.8	3185.5	3411.1	3403.3	3267.2	3356.1	3031.6
57.5°	2504.3	2520.4	2683.2	2905.5	3292.7	3561.1	3798.4	3823.4	3623.9	3536.1	3227.2
60°	2267.0	2299.8	2522.1	2821.0	3412.8	4066.2	4222.9	4227.9	3885.6	3718.9	3466.1
62.5°	1817.0	1832.5	2056.4	2446.5	3227.7	4360.7	4871.3	4765.8	4221.8	4001.7	3844.5
65°	952.4	1015.7	1210.7	1642.5	2617.6	4257.9	5651.4	5622.6	4826.3	4406.8	4139.0
67.5°	653.4	652.9	699.0	856.2	1560.8	3666.1	6034.3	6352.1	5525.3	4545.7	3925.6
70°	497.3	499.0	540.1	642.3	808.5	2440.4	5614.2	6157.6	5655.3	4127.3	3174.9
72.5°	330.1	333.4	401.7	519.0	645.7	1196.3	4362.9	4926.9	4758.5	3315.0	2234.8
75°	197.3	200.0	248.9	377.3	574.0	669.5	2772.1	3406.1	3275.5	2284.8	1198.0
77.5°	81.1	83.3	127.8	235.0	420.1	520.1	1533.0	2228.7	1962.0	908.5	327.3
80°	33.9	35.0	61.7	164.5	302.8	326.2	710.1	1047.4	804.0	195.6	100.0
82.5°	12.2	12.8	22.8	90.6	188.4	245.6	358.4	414.0	226.7	63.9	53.9
85°	0.6	0.6	5.6	30.6	71.7	69.5	205.0	198.4	75.0	26.7	32.2
87.5°	0.0	0.0	0.6	0.6	1.1	2.8	19.4	34.4	16.1	6.7	13.9
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°	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8	1810.8
2.5°	1799.2	1769.7	1737.5	1707.5	1659.7	1631.4	1596.4	1580.8	1558.6	1553.0	1556.4
5°	1762.5	1711.9	1634.7	1564.7	1474.1	1401.3	1328.0	1296.9	1256.9	1230.2	1219.1
7.5°	1710.8	1644.7	1524.1	1396.9	1272.4	1139.6	1038.5	971.8	911.3	877.9	871.2
10°	1658.6	1572.5	1399.7	1217.4	1024.6	865.7	729.0	627.9	545.6	508.4	479.5
12.5°	1604.7	1497.5	1273.0	1035.2	811.2	594.5	425.6	327.3	268.4	245.0	248.9
15°	1555.2	1425.2	1147.4	852.9	571.2	358.9	235.0	198.4	184.5	180.0	179.5
17.5°	1508.0	1356.9	1022.4	675.7	376.7	220.0	180.0	171.1	167.2	165.0	165.0
20°	1465.2	1291.3	900.1	509.0	243.4	174.5	162.8	158.4	155.0	153.4	153.4
22.5°	1425.2	1228.0	780.7	360.1	179.5	156.7	149.5	145.0	141.1	138.9	138.9
25°	1389.1	1170.7	666.8	247.8	154.5	143.4	135.6	130.6	123.9	120.0	120.0
27.5°	1363.0	1119.6	557.3	180.6	139.5	128.9	120.0	113.4	106.1	101.7	100.6
30°	1347.4	1076.3	446.7	148.4	125.6	115.0	105.0	96.7	88.3	83.9	83.3
32.5°	1338.5	1036.3	345.6	129.5	113.9	101.7	90.6	81.7	73.3	68.3	67.8
35°	1341.9	1005.2	258.9	116.7	102.8	90.0	77.8	68.9	61.7	57.2	56.1
37.5°	1370.8	991.3	194.5	106.7	93.3	80.0	67.2	58.9	52.2	48.9	48.3
40°	1426.9	994.0	152.8	98.9	85.6	70.0	57.8	50.0	45.0	42.2	41.7
42.5°	1514.1	1017.4	126.1	92.2	77.2	61.1	50.0	43.9	38.9	36.1	35.6
45°	1644.1	1065.7	110.0	84.5	68.3	52.8	43.3	37.8	33.3	30.0	29.4
47.5°	1832.5	1149.6	99.5	77.2	60.6	45.6	37.2	31.7	27.8	25.0	24.4
50°	2033.1	1250.2	90.6	70.0	53.9	39.5	31.7	26.1	22.8	20.0	19.4
52.5°	2247.0	1358.5	83.9	63.3	47.8	33.9	26.7	21.7	18.3	15.6	15.0
55°	2452.6	1467.5	76.1	58.9	40.6	28.9	22.2	17.8	14.4	12.2	12.2
57.5°	2652.6	1567.5	67.8	51.7	33.3	24.4	18.3	14.4	11.7	10.0	9.4
60°	2891.6	1705.8	58.3	43.9	27.8	20.6	15.0	11.7	9.4	7.8	7.8
62.5°	3246.6	1849.7	50.0	36.7	23.3	17.2	12.2	9.4	7.8	6.7	6.1
65°	3362.8	1771.9	42.2	30.0	18.9	13.9	10.0	8.3	6.7	6.1	5.6
67.5°	3052.7	1452.5	35.0	24.4	15.6	11.7	8.9	7.2	6.1	5.6	5.0
70°	2382.0	1030.7	27.2	18.3	12.8	9.4	7.8	6.7	5.6	5.0	5.0
72.5°	1620.3	609.5	21.7	13.9	10.6	8.3	6.7	6.1	5.6	5.0	4.4
75°	797.9	216.7	16.7	10.6	8.3	7.2	6.1	5.6	5.0	4.4	4.4
77.5°	215.0	60.0	12.8	8.3	6.7	5.6	5.6	5.6	5.0	3.9	3.9
80°	72.8	25.0	9.4	6.1	5.6	4.4	3.9	5.0	4.4	3.9	3.3
82.5°	40.0	12.2	6.7	5.0	3.9	3.3	3.3	3.3	3.3	2.8	2.8
85°	25.6	6.7	4.4	3.9	3.9	2.8	2.2	2.2	1.7	1.7	1.7
87.5°	11.7	3.9	3.9	3.3	3.3	2.8	1.7	1.1	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)