

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: P630775

Luminaire Tested: GWS-SA1E-735-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630775
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6053.1 lumens
Efficiency: N/A
Efficacy: 103.6 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

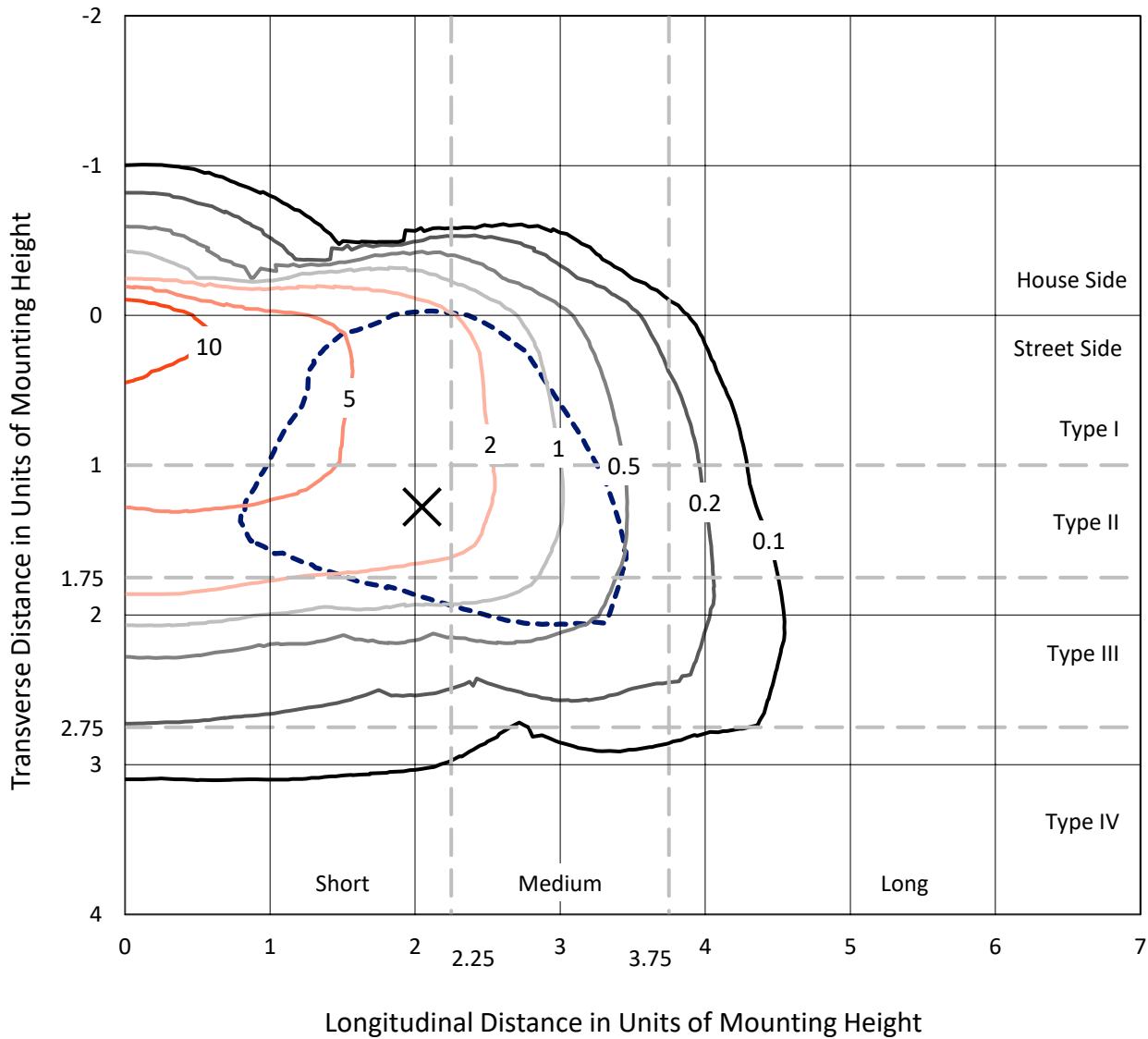
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

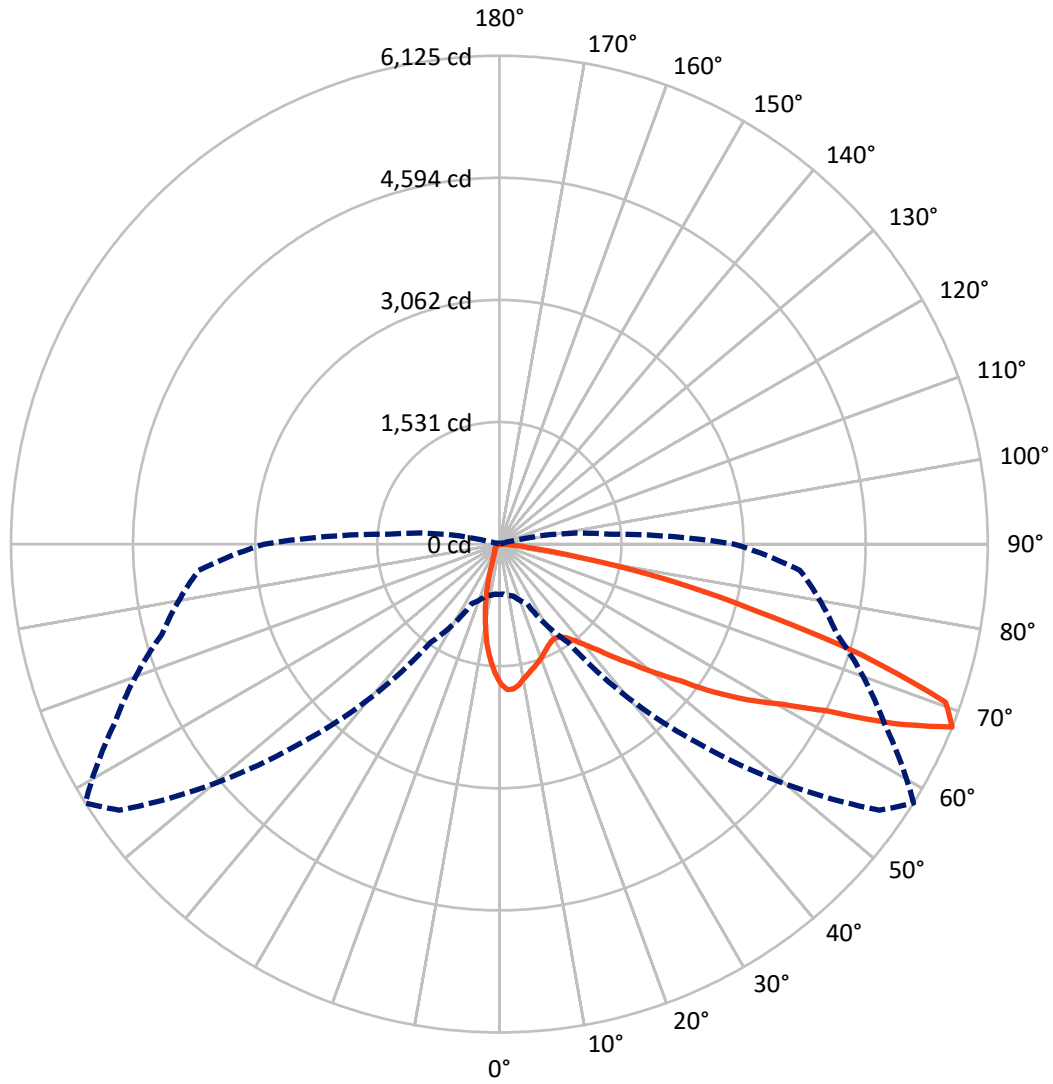
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.5 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	591.4	0.0	591.4
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	5461.8	0.0	5461.8
	% Fixture	90.2	0.0	90.2
Total	Lumens	6053.1	0.0	6053.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.9	2.3
10°-20°	295.3	4.9
20°-30°	398.3	6.6
30°-40°	559.7	9.2
40°-50°	864.4	14.3
50°-60°	1382.2	22.8
60°-70°	1636.7	27.0
70°-80°	724.0	12.0
80°-90°	50.6	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°	6053.1	100.0
0°-180°	6053.1	100.0

Coefficient of Utilization



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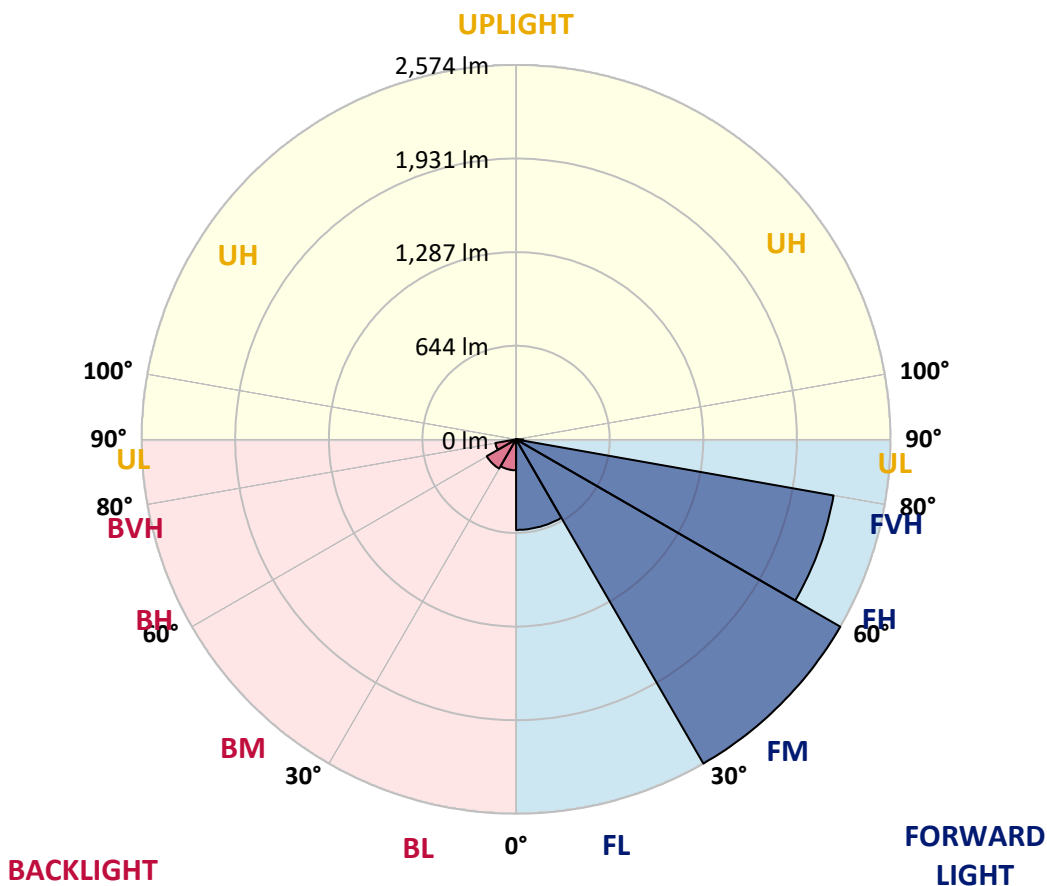
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	622.7	10.3			
FM (30°-60°)	2574.3	42.5			
FH (60°-80°)	2216.3	36.6			G2/5000
FVH (80°-90°)	48.5	0.8			G1/100
BL (0°-30°)	212.8	3.5	B1/500		
BM (30°-60°)	232.0	3.8	B1/1000		
BH (60°-80°)	144.4	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°	1746.0	1746.0	1746.0	1746.0	1746.0	1746.0	1746.0	1746.0	1746.0	1746.0	1746.0
2.5°	1836.5	1839.8	1844.0	1849.4	1848.3	1843.5	1837.6	1824.2	1815.6	1788.9	1756.2
5°	1777.6	1777.1	1787.8	1798.0	1816.2	1825.8	1839.2	1826.9	1822.6	1790.5	1737.4
7.5°	1662.4	1668.3	1680.6	1696.7	1723.0	1751.4	1783.5	1779.8	1792.6	1771.2	1705.3
10°	1549.4	1546.2	1565.5	1589.6	1629.7	1666.2	1712.8	1712.2	1746.0	1743.9	1668.9
12.5°	1450.3	1449.7	1464.7	1492.1	1539.2	1590.1	1653.3	1654.9	1696.7	1713.9	1637.8
15°	1366.7	1367.8	1382.2	1410.6	1459.4	1521.5	1594.9	1608.3	1655.5	1690.3	1607.2
17.5°	1307.2	1307.8	1316.3	1341.0	1388.7	1455.1	1543.5	1561.7	1622.2	1672.6	1582.6
20°	1279.9	1277.8	1279.4	1291.7	1328.7	1389.2	1491.0	1514.6	1591.7	1660.3	1560.1
22.5°	1283.6	1280.4	1272.9	1271.3	1287.9	1334.0	1435.3	1464.2	1558.5	1652.8	1539.7
25°	1316.9	1309.9	1299.2	1283.1	1276.7	1299.7	1386.5	1416.5	1527.4	1653.3	1524.2
27.5°	1367.8	1360.3	1346.9	1325.4	1300.3	1290.6	1353.3	1381.7	1505.4	1665.6	1516.7
30°	1432.6	1426.7	1413.8	1388.1	1354.4	1314.7	1346.3	1369.9	1494.7	1690.8	1519.9
32.5°	1509.2	1504.9	1494.2	1470.6	1432.1	1371.5	1369.9	1388.1	1503.3	1727.2	1532.2
35°	1583.1	1584.7	1585.3	1572.4	1531.2	1457.8	1434.7	1441.2	1538.7	1781.9	1560.1
37.5°	1663.0	1659.2	1678.5	1687.6	1648.0	1569.7	1534.9	1535.4	1606.2	1862.8	1612.6
40°	1723.5	1724.6	1766.4	1803.9	1787.3	1711.7	1661.9	1661.4	1710.1	1973.7	1697.2
42.5°	1780.3	1787.3	1848.9	1913.2	1936.2	1869.2	1833.3	1819.9	1855.8	2123.7	1824.2
45°	1840.8	1851.0	1937.3	2028.9	2089.4	2049.8	2021.4	2026.7	2031.0	2298.4	1995.1
47.5°	1911.5	1918.0	2024.6	2153.7	2266.7	2256.6	2258.2	2251.7	2249.6	2518.5	2221.2
50°	1997.3	2012.3	2135.0	2289.2	2443.5	2511.0	2533.5	2536.2	2501.4	2758.6	2455.3
52.5°	2179.4	2197.6	2302.6	2437.6	2636.4	2778.4	2870.0	2851.8	2798.2	2991.1	2711.9
55°	2394.3	2408.2	2509.4	2649.3	2872.1	3071.4	3288.9	3281.4	3150.2	3235.9	2923.0
57.5°	2414.6	2430.1	2587.1	2801.4	3174.8	3433.6	3662.4	3686.5	3494.1	3409.5	3111.6
60°	2185.8	2217.5	2431.8	2720.0	3290.6	3920.6	4071.7	4076.5	3746.5	3585.8	3342.0
62.5°	1751.9	1766.9	1982.8	2358.9	3112.2	4204.5	4696.9	4595.1	4070.6	3858.4	3706.8
65°	918.3	979.3	1167.4	1583.7	2523.9	4105.4	5449.1	5421.2	4653.5	4249.0	3990.8
67.5°	630.0	629.5	674.0	825.6	1504.9	3534.9	5818.2	6124.7	5327.5	4382.9	3785.0
70°	479.5	481.1	520.7	619.3	779.5	2353.0	5413.2	5937.1	5452.8	3979.5	3061.3
72.5°	318.2	321.4	387.3	500.4	622.5	1153.5	4206.7	4750.5	4588.1	3196.3	2154.8
75°	190.2	192.9	240.0	363.8	553.4	645.6	2672.8	3284.1	3158.2	2203.0	1155.1
77.5°	78.2	80.4	123.2	226.6	405.0	501.5	1478.1	2148.9	1891.7	875.9	315.6
80°	32.7	33.8	59.5	158.6	292.0	314.5	684.7	1009.9	775.2	188.6	96.4
82.5°	11.8	12.3	22.0	87.3	181.6	236.8	345.6	399.1	218.6	61.6	52.0
85°	0.5	0.5	5.4	29.5	69.1	67.0	197.7	191.3	72.3	25.7	31.1
87.5°	0.0	0.0	0.5	0.5	1.1	2.7	18.8	33.2	15.5	6.4	13.4
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°	1746.0	1746.0	1746.0	1746.0	1746.0	1746.0	1746.0	1746.0	1746.0	1746.0	1746.0
2.5°	1734.7	1706.4	1675.3	1646.3	1600.3	1573.0	1539.2	1524.2	1502.8	1497.4	1500.6
5°	1699.4	1650.6	1576.2	1508.7	1421.3	1351.2	1280.4	1250.4	1211.9	1186.1	1175.4
7.5°	1649.6	1585.8	1469.6	1346.9	1226.9	1098.8	1001.3	937.0	878.6	846.5	840.1
10°	1599.2	1516.2	1349.5	1173.8	987.9	834.7	702.9	605.4	526.1	490.2	462.3
12.5°	1547.2	1443.8	1227.4	998.1	782.2	573.2	410.4	315.6	258.8	236.3	240.0
15°	1499.6	1374.2	1106.3	822.4	550.7	346.1	226.6	191.3	177.9	173.6	173.0
17.5°	1454.0	1308.3	985.8	651.5	363.2	212.2	173.6	165.0	161.3	159.1	159.1
20°	1412.8	1245.1	867.9	490.7	234.7	168.2	157.0	152.7	149.5	147.9	147.9
22.5°	1374.2	1184.0	752.7	347.2	173.0	151.1	144.1	139.8	136.1	133.9	133.9
25°	1339.4	1128.8	642.9	238.9	148.9	138.2	130.7	125.9	119.5	115.7	115.7
27.5°	1314.2	1079.5	537.4	174.1	134.5	124.3	115.7	109.3	102.3	98.0	97.0
30°	1299.2	1037.7	430.7	143.0	121.1	110.9	101.3	93.2	85.2	80.9	80.4
32.5°	1290.6	999.2	333.2	124.8	109.8	98.0	87.3	78.8	70.7	65.9	65.4
35°	1293.8	969.2	249.7	112.5	99.1	86.8	75.0	66.4	59.5	55.2	54.1
37.5°	1321.7	955.8	187.5	102.9	90.0	77.1	64.8	56.8	50.4	47.1	46.6
40°	1375.8	958.5	147.3	95.4	82.5	67.5	55.7	48.2	43.4	40.7	40.2
42.5°	1459.9	981.0	121.6	88.9	74.5	58.9	48.2	42.3	37.5	34.8	34.3
45°	1585.3	1027.6	106.1	81.4	65.9	50.9	41.8	36.4	32.1	28.9	28.4
47.5°	1766.9	1108.5	95.9	74.5	58.4	43.9	35.9	30.5	26.8	24.1	23.6
50°	1960.3	1205.4	87.3	67.5	52.0	38.0	30.5	25.2	22.0	19.3	18.8
52.5°	2166.6	1309.9	80.9	61.1	46.1	32.7	25.7	20.9	17.7	15.0	14.5
55°	2364.8	1414.9	73.4	56.8	39.1	27.9	21.4	17.1	13.9	11.8	11.8
57.5°	2557.7	1511.3	65.4	49.8	32.1	23.6	17.7	13.9	11.3	9.6	9.1
60°	2788.0	1644.7	56.3	42.3	26.8	19.8	14.5	11.3	9.1	7.5	7.5
62.5°	3130.4	1783.5	48.2	35.4	22.5	16.6	11.8	9.1	7.5	6.4	5.9
65°	3242.3	1708.5	40.7	28.9	18.2	13.4	9.6	8.0	6.4	5.9	5.4
67.5°	2943.4	1400.4	33.8	23.6	15.0	11.3	8.6	7.0	5.9	5.4	4.8
70°	2296.7	993.8	26.3	17.7	12.3	9.1	7.5	6.4	5.4	4.8	4.8
72.5°	1562.2	587.7	20.9	13.4	10.2	8.0	6.4	5.9	5.4	4.8	4.3
75°	769.3	208.9	16.1	10.2	8.0	7.0	5.9	5.4	4.8	4.3	4.3
77.5°	207.3	57.9	12.3	8.0	6.4	5.4	5.4	5.4	4.8	3.8	3.8
80°	70.2	24.1	9.1	5.9	5.4	4.3	3.8	4.8	4.3	3.8	3.2
82.5°	38.6	11.8	6.4	4.8	3.8	3.2	3.2	3.2	3.2	2.7	2.7
85°	24.6	6.4	4.3	3.8	3.8	2.7	2.1	2.1	1.6	1.6	1.6
87.5°	11.3	3.8	3.8	3.2	3.2	2.7	1.6	1.1	0.5	0.5	0.5
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)