

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: P630830

Luminaire Tested: GWS-SA1E-740-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630830
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6137.3 lumens
Efficiency: N/A
Efficacy: 105.1 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

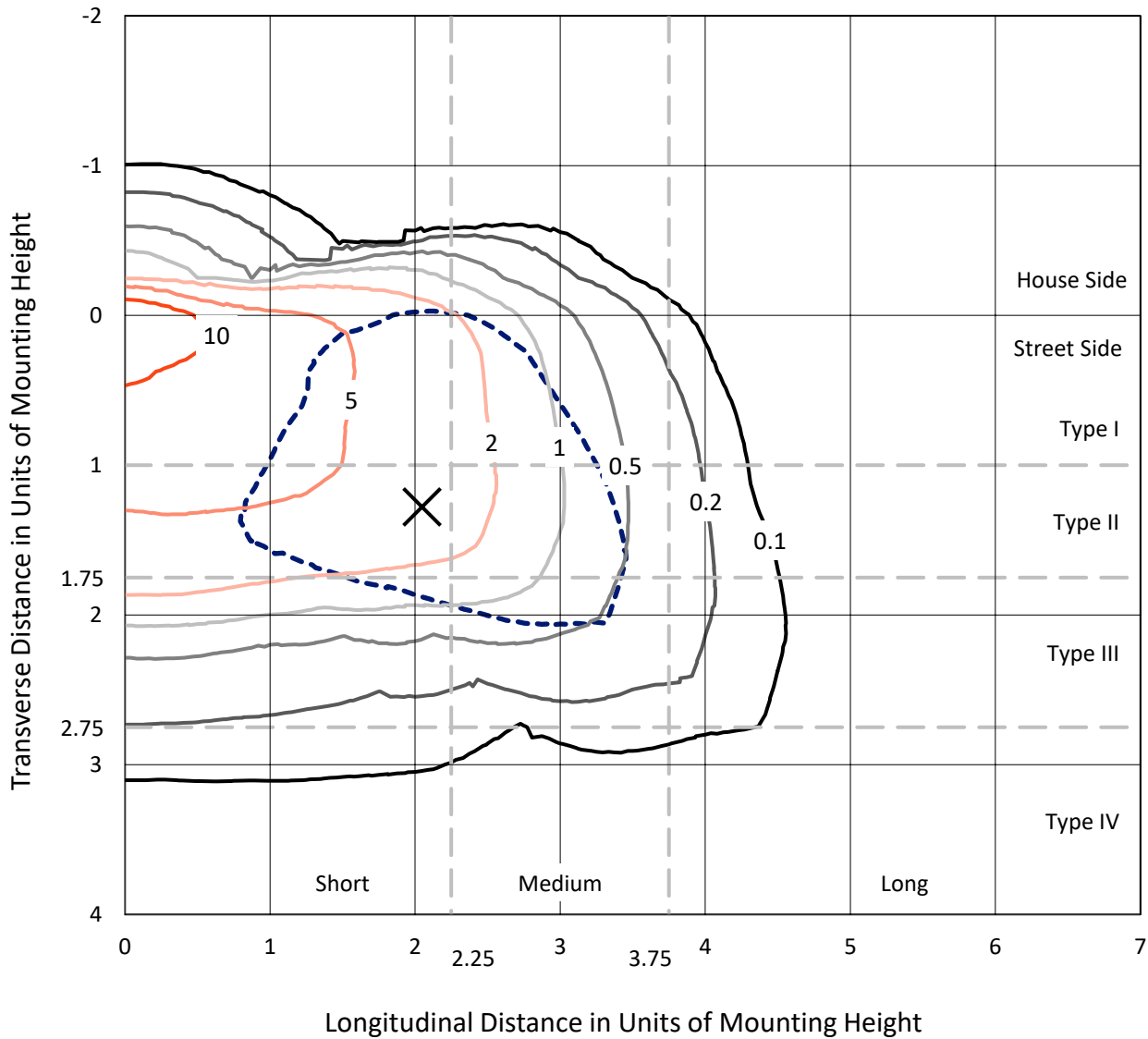
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

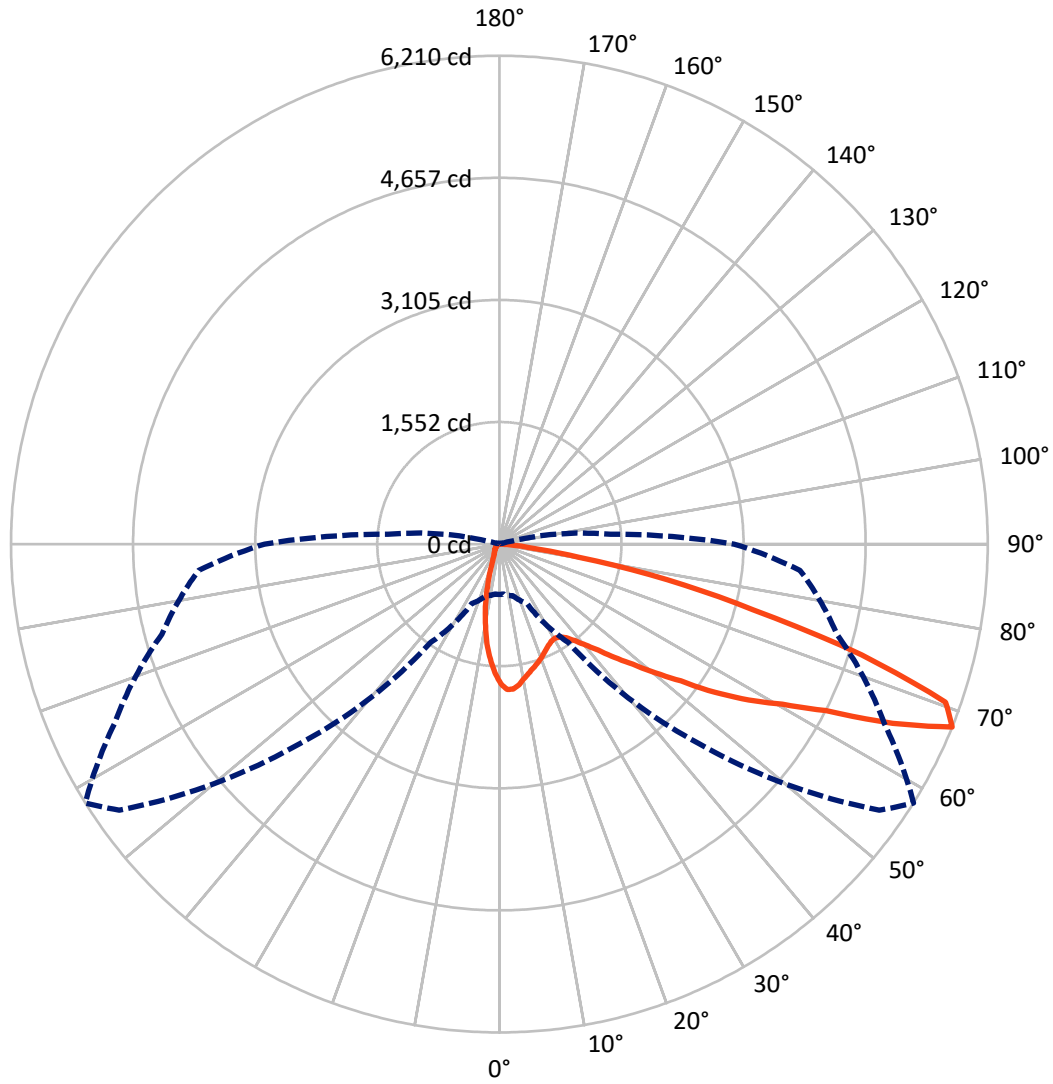
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.7 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	599.6	0.0	599.6
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	5537.7	0.0	5537.7
	% Fixture	90.2	0.0	90.2
Total	Lumens	6137.3	0.0	6137.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.9	2.3
10°-20°	299.4	4.9
20°-30°	403.8	6.6
30°-40°	567.5	9.2
40°-50°	876.4	14.3
50°-60°	1401.5	22.8
60°-70°	1659.4	27.0
70°-80°	734.1	12.0
80°-90°	51.3	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°	6137.3	100.0
0°-180°	6137.3	100.0

Coefficient of Utilization



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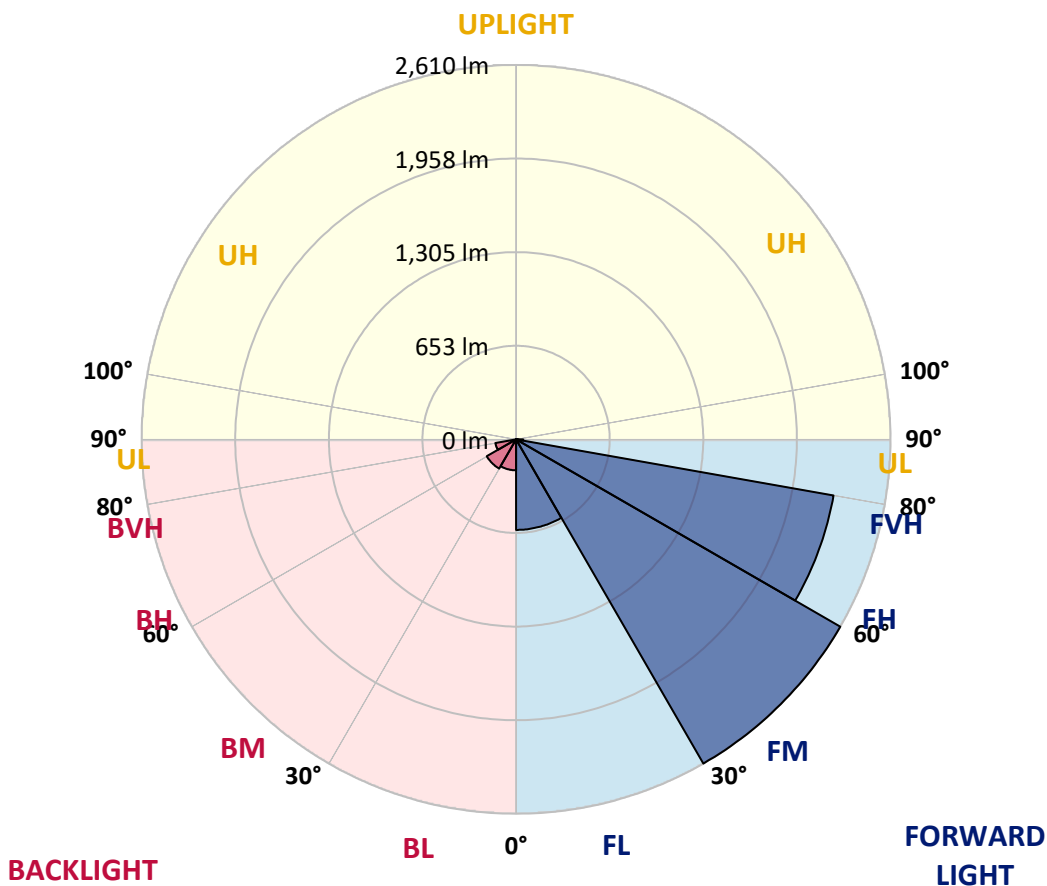
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	631.4	10.3			
FM (30°-60°)	2610.1	42.5			
FH (60°-80°)	2247.1	36.6			G2/5000
FVH (80°-90°)	49.1	0.8			G1/100
BL (0°-30°)	215.8	3.5	B1/500		
BM (30°-60°)	235.3	3.8	B1/1000		
BH (60°-80°)	146.4	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°	1770.3	1770.3	1770.3	1770.3	1770.3	1770.3	1770.3	1770.3	1770.3	1770.3	1770.3
2.5°	1862.1	1865.3	1869.7	1875.1	1874.0	1869.1	1863.2	1849.6	1840.9	1813.7	1780.6
5°	1802.3	1801.8	1812.7	1823.0	1841.4	1851.2	1864.8	1852.3	1848.0	1815.4	1761.6
7.5°	1685.5	1691.5	1704.0	1720.3	1746.9	1775.7	1808.3	1804.5	1817.5	1795.8	1729.0
10°	1570.9	1567.7	1587.2	1611.7	1652.4	1689.3	1736.6	1736.1	1770.3	1768.1	1692.1
12.5°	1470.4	1469.9	1485.1	1512.8	1560.6	1612.2	1676.3	1677.9	1720.3	1737.7	1660.6
15°	1385.7	1386.8	1401.5	1430.2	1479.7	1542.7	1617.1	1630.7	1678.5	1713.8	1629.6
17.5°	1325.4	1325.9	1334.6	1359.6	1408.0	1475.3	1565.0	1583.4	1644.8	1695.9	1604.6
20°	1297.7	1295.5	1297.2	1309.7	1347.1	1408.5	1511.7	1535.6	1613.8	1683.4	1581.8
22.5°	1301.5	1298.2	1290.6	1289.0	1305.9	1352.6	1455.2	1484.6	1580.2	1675.8	1561.2
25°	1335.2	1328.1	1317.3	1301.0	1294.4	1317.8	1405.8	1436.2	1548.7	1676.3	1545.4
27.5°	1386.8	1379.2	1365.6	1343.9	1318.3	1308.6	1372.1	1400.9	1526.4	1688.8	1537.8
30°	1452.5	1446.5	1433.5	1407.4	1373.2	1333.0	1365.1	1389.0	1515.5	1714.3	1541.1
32.5°	1530.2	1525.8	1515.0	1491.1	1452.0	1390.6	1389.0	1407.4	1524.2	1751.3	1553.5
35°	1605.2	1606.8	1607.3	1594.3	1552.5	1478.0	1454.7	1461.2	1560.1	1806.7	1581.8
37.5°	1686.1	1682.3	1701.8	1711.1	1670.9	1591.6	1556.3	1556.8	1628.5	1888.7	1635.0
40°	1747.5	1748.6	1790.9	1829.0	1812.1	1735.5	1685.0	1684.5	1733.9	2001.1	1720.9
42.5°	1805.1	1812.1	1874.6	1939.8	1963.1	1895.2	1858.8	1845.2	1881.6	2153.2	1849.6
45°	1866.4	1876.8	1964.2	2057.1	2118.5	2078.3	2049.5	2054.9	2059.3	2330.3	2022.9
47.5°	1938.1	1944.7	2052.7	2183.7	2298.3	2288.0	2289.6	2283.1	2280.9	2553.6	2252.1
50°	2025.0	2040.3	2164.6	2321.1	2477.5	2546.0	2568.8	2571.5	2536.2	2796.9	2489.5
52.5°	2209.7	2228.2	2334.7	2471.6	2673.1	2817.0	2909.9	2891.4	2837.1	3032.7	2749.7
55°	2427.6	2441.7	2544.3	2686.1	2912.1	3114.2	3334.7	3327.1	3194.0	3280.9	2963.7
57.5°	2448.2	2464.0	2623.1	2840.4	3219.0	3481.4	3713.3	3737.8	3542.7	3456.9	3154.9
60°	2216.3	2248.3	2465.6	2757.8	3336.3	3975.1	4128.3	4133.2	3798.6	3635.6	3388.5
62.5°	1776.3	1791.5	2010.4	2391.7	3155.4	4263.0	4762.2	4659.0	4127.2	3912.1	3758.4
65°	931.0	993.0	1183.6	1605.7	2559.0	4162.5	5524.9	5496.6	4718.2	4308.1	4046.3
67.5°	638.8	638.3	683.3	837.1	1525.8	3584.0	5899.1	6209.9	5401.6	4443.9	3837.7
70°	486.2	487.8	528.0	627.9	790.4	2385.7	5488.5	6019.7	5528.7	4034.9	3103.8
72.5°	322.7	325.9	392.7	507.3	631.2	1169.5	4265.2	4816.5	4652.0	3240.7	2184.7
75°	192.8	195.6	243.4	368.8	561.1	654.6	2710.0	3329.8	3202.2	2233.6	1171.1
77.5°	79.3	81.5	124.9	229.8	410.7	508.4	1498.7	2178.8	1918.0	888.1	319.9
80°	33.1	34.2	60.3	160.8	296.0	318.9	694.2	1023.9	786.0	191.2	97.8
82.5°	12.0	12.5	22.3	88.5	184.1	240.1	350.4	404.7	221.6	62.5	52.7
85°	0.5	0.5	5.4	29.9	70.1	67.9	200.4	193.9	73.3	26.1	31.5
87.5°	0.0	0.0	0.5	0.5	1.1	2.7	19.0	33.7	15.8	6.5	13.6
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°	1770.3	1770.3	1770.3	1770.3	1770.3	1770.3	1770.3	1770.3	1770.3	1770.3	1770.3
2.5°	1758.9	1730.1	1698.6	1669.3	1622.5	1594.8	1560.6	1545.4	1523.7	1518.2	1521.5
5°	1723.0	1673.6	1598.1	1529.6	1441.1	1369.9	1298.2	1267.8	1228.7	1202.6	1191.8
7.5°	1672.5	1607.9	1490.0	1365.6	1243.9	1114.1	1015.2	950.1	890.8	858.3	851.7
10°	1621.4	1537.3	1368.3	1190.1	1001.7	846.3	712.7	613.8	533.4	497.0	468.8
12.5°	1568.8	1463.9	1244.5	1012.0	793.1	581.2	416.1	319.9	262.4	239.6	243.4
15°	1520.4	1393.3	1121.7	833.8	558.4	350.9	229.8	193.9	180.3	176.0	175.5
17.5°	1474.2	1326.5	999.5	660.5	368.3	215.1	176.0	167.3	163.5	161.3	161.3
20°	1432.4	1262.4	880.0	497.6	237.9	170.6	159.2	154.8	151.6	149.9	149.9
22.5°	1393.3	1200.5	763.2	352.0	175.5	153.2	146.1	141.8	138.0	135.8	135.8
25°	1358.0	1144.5	651.8	242.3	151.0	140.1	132.5	127.7	121.1	117.3	117.3
27.5°	1332.5	1094.5	544.8	176.5	136.3	126.0	117.3	110.8	103.8	99.4	98.3
30°	1317.3	1052.2	436.7	145.0	122.8	112.4	102.7	94.5	86.4	82.0	81.5
32.5°	1308.6	1013.1	337.9	126.6	111.4	99.4	88.5	79.9	71.7	66.8	66.3
35°	1311.8	982.6	253.1	114.1	100.5	88.0	76.0	67.4	60.3	55.9	54.9
37.5°	1340.1	969.1	190.1	104.3	91.3	78.2	65.7	57.6	51.1	47.8	47.3
40°	1394.9	971.8	149.4	96.7	83.7	68.4	56.5	48.9	44.0	41.3	40.7
42.5°	1480.2	994.6	123.3	90.2	75.5	59.8	48.9	42.9	38.0	35.3	34.8
45°	1607.3	1041.9	107.6	82.6	66.8	51.6	42.4	36.9	32.6	29.3	28.8
47.5°	1791.5	1123.9	97.2	75.5	59.2	44.5	36.4	31.0	27.2	24.4	23.9
50°	1987.6	1222.2	88.5	68.4	52.7	38.6	31.0	25.5	22.3	19.6	19.0
52.5°	2196.7	1328.1	82.0	61.9	46.7	33.1	26.1	21.2	17.9	15.2	14.7
55°	2397.7	1434.6	74.4	57.6	39.7	28.2	21.7	17.4	14.1	12.0	12.0
57.5°	2593.2	1532.4	66.3	50.5	32.6	23.9	17.9	14.1	11.4	9.8	9.2
60°	2826.8	1667.6	57.0	42.9	27.2	20.1	14.7	11.4	9.2	7.6	7.6
62.5°	3173.9	1808.3	48.9	35.9	22.8	16.8	12.0	9.2	7.6	6.5	6.0
65°	3287.4	1732.3	41.3	29.3	18.5	13.6	9.8	8.1	6.5	6.0	5.4
67.5°	2984.3	1419.9	34.2	23.9	15.2	11.4	8.7	7.1	6.0	5.4	4.9
70°	2328.7	1007.6	26.6	17.9	12.5	9.2	7.6	6.5	5.4	4.9	4.9
72.5°	1584.0	595.9	21.2	13.6	10.3	8.1	6.5	6.0	5.4	4.9	4.3
75°	780.0	211.8	16.3	10.3	8.1	7.1	6.0	5.4	4.9	4.3	4.3
77.5°	210.2	58.7	12.5	8.1	6.5	5.4	5.4	5.4	4.9	3.8	3.8
80°	71.2	24.4	9.2	6.0	5.4	4.3	3.8	4.9	4.3	3.8	3.3
82.5°	39.1	12.0	6.5	4.9	3.8	3.3	3.3	3.3	3.3	2.7	2.7
85°	25.0	6.5	4.3	3.8	3.8	2.7	2.2	2.2	1.6	1.6	1.6
87.5°	11.4	3.8	3.8	3.3	3.3	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)