

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: P631875

Luminaire Tested: GWS-SA2B-750-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631875
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-SA2B-750-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5717.5 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

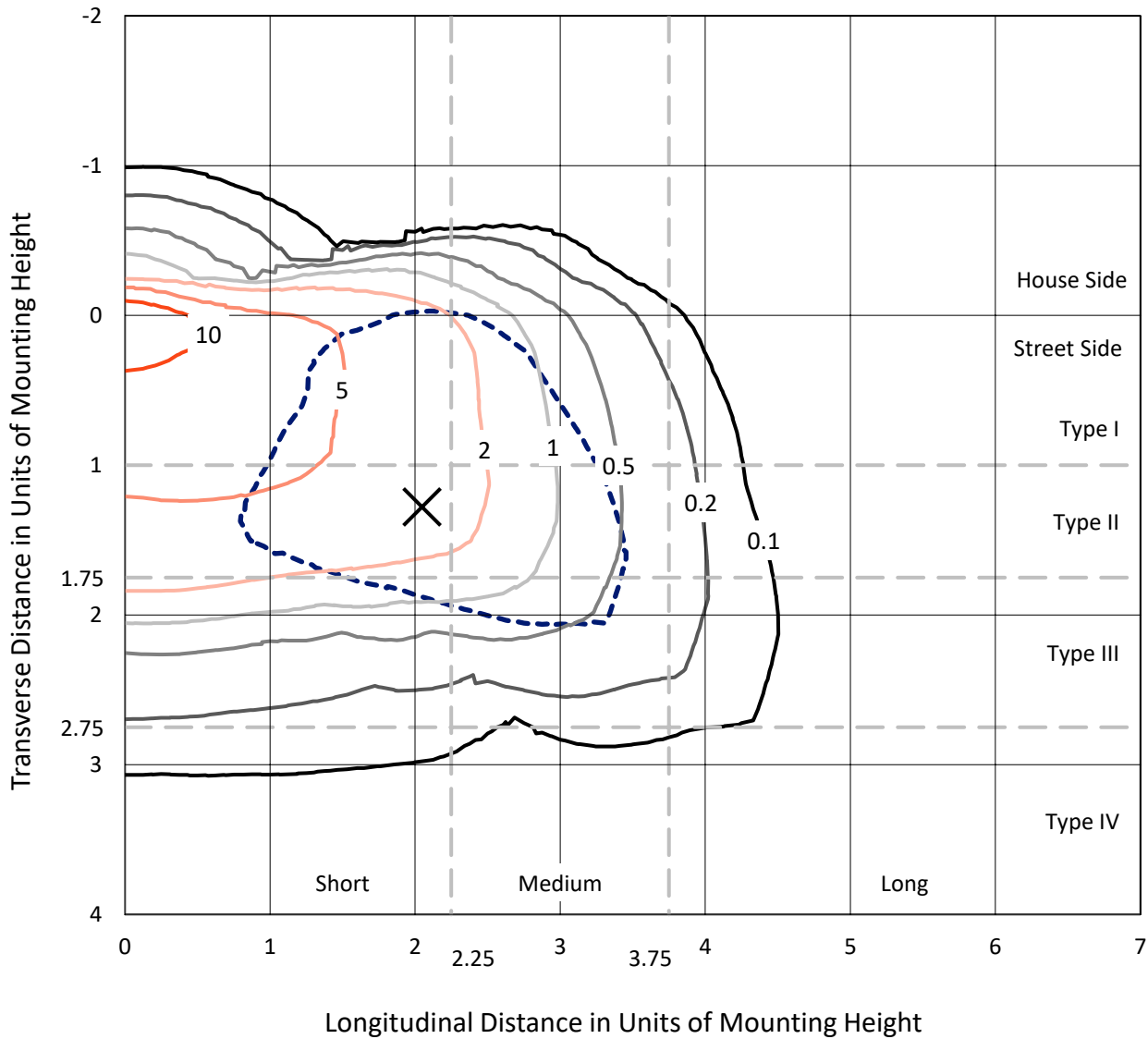
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

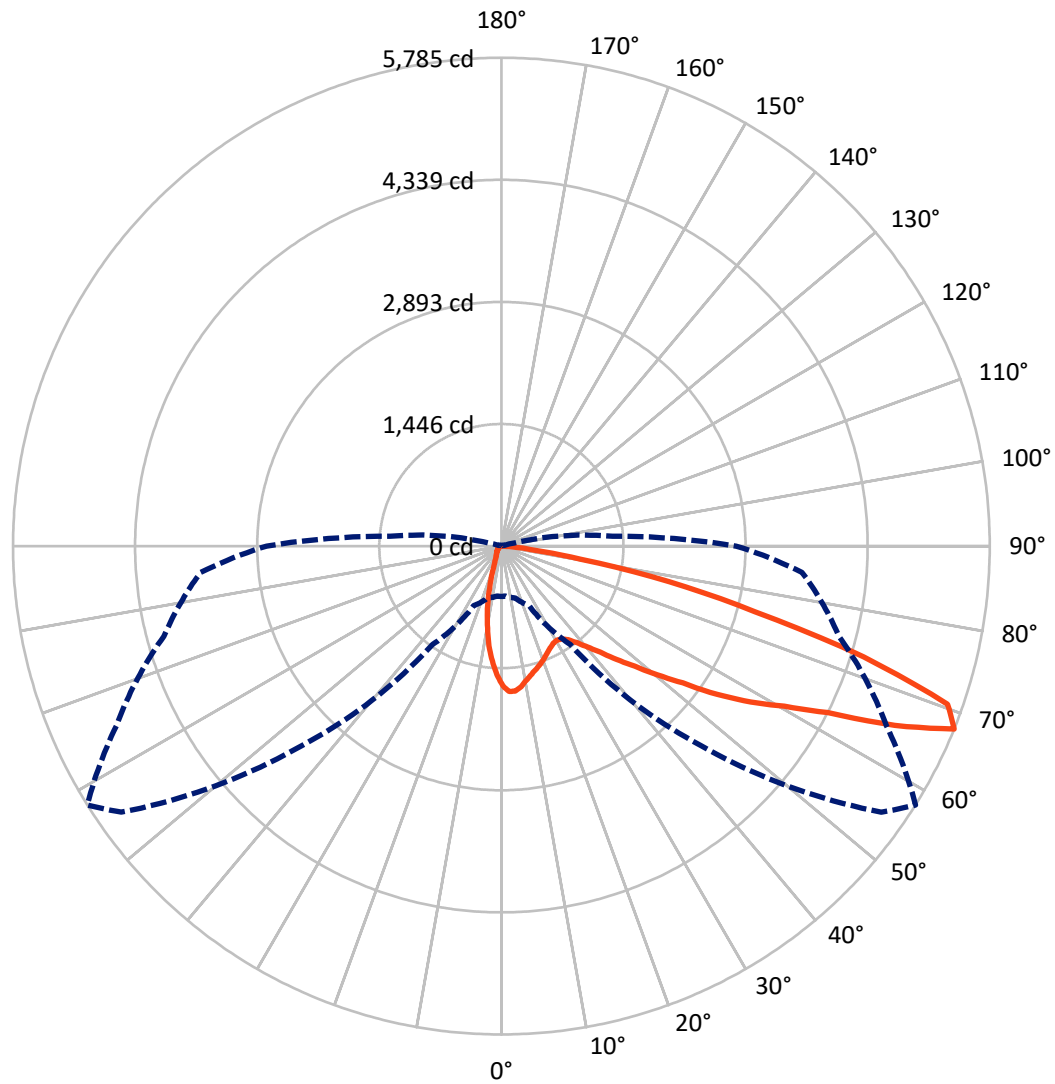
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.5 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	558.6	0.0	558.6
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	5158.9	0.0	5158.9
	% Fixture	90.2	0.0	90.2
Total	Lumens	5717.5	0.0	5717.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.0	2.3
10°-20°	279.0	4.9
20°-30°	376.2	6.6
30°-40°	528.6	9.2
40°-50°	816.4	14.3
50°-60°	1305.6	22.8
60°-70°	1545.9	27.0
70°-80°	683.9	12.0
80°-90°	47.8	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°	5717.5	100.0
0°-180°	5717.5	100.0

Coefficient of Utilization



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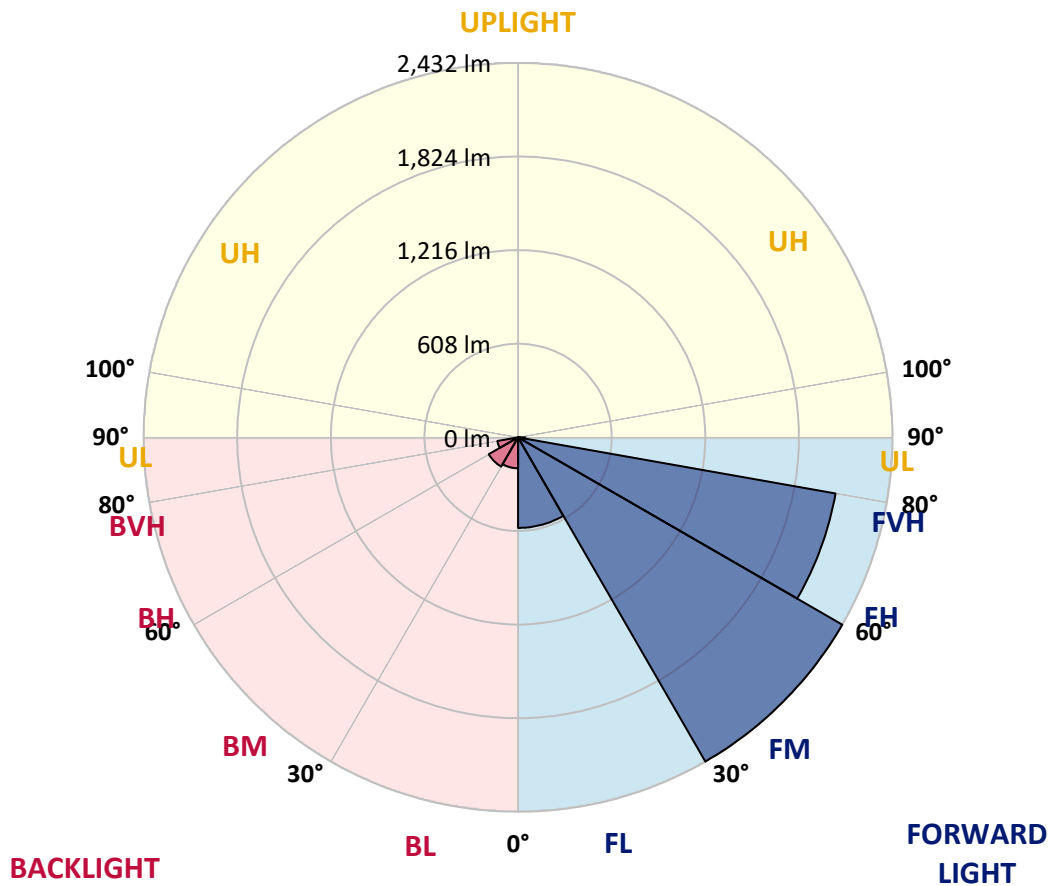
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	588.2	10.3			
FM (30°-60°)	2431.5	42.5			
FH (60°-80°)	2093.4	36.6			G2/5000
FVH (80°-90°)	45.8	0.8			G1/100
BL (0°-30°)	201.0	3.5	B1/500		
BM (30°-60°)	219.2	3.8	B0/220		
BH (60°-80°)	136.4	2.4	B1/500		G1/500
BVH (80°-90°)	2.0	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°	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2
2.5°	1734.7	1737.8	1741.8	1746.9	1745.8	1741.3	1735.7	1723.1	1715.0	1689.7	1658.8
5°	1679.1	1678.5	1688.7	1698.3	1715.5	1724.6	1737.2	1725.6	1721.6	1691.2	1641.1
7.5°	1570.3	1575.8	1587.5	1602.6	1627.4	1654.3	1684.6	1681.1	1693.2	1673.0	1610.7
10°	1463.5	1460.4	1478.7	1501.4	1539.4	1573.8	1617.8	1617.3	1649.2	1647.2	1576.3
12.5°	1369.9	1369.4	1383.5	1409.3	1453.9	1501.9	1561.6	1563.2	1602.6	1618.8	1547.0
15°	1290.9	1291.9	1305.6	1332.4	1378.5	1437.2	1506.5	1519.1	1563.7	1596.6	1518.1
17.5°	1234.7	1235.3	1243.3	1266.6	1311.7	1374.4	1457.9	1475.1	1532.3	1579.9	1494.9
20°	1208.9	1206.9	1208.4	1220.1	1255.0	1312.2	1408.3	1430.6	1503.5	1568.2	1473.6
22.5°	1212.5	1209.4	1202.4	1200.8	1216.5	1260.0	1355.7	1383.0	1472.1	1561.1	1454.4
25°	1243.9	1237.3	1227.2	1212.0	1205.9	1227.7	1309.6	1338.0	1442.7	1561.6	1439.7
27.5°	1291.9	1284.8	1272.2	1252.0	1228.2	1219.1	1278.3	1305.1	1422.0	1573.3	1432.6
30°	1353.2	1347.6	1335.4	1311.2	1279.3	1241.8	1271.7	1294.0	1411.9	1597.1	1435.6
32.5°	1425.5	1421.5	1411.4	1389.1	1352.7	1295.5	1294.0	1311.2	1420.0	1631.5	1447.3
35°	1495.4	1496.9	1497.4	1485.2	1446.3	1376.9	1355.2	1361.3	1453.4	1683.1	1473.6
37.5°	1570.8	1567.2	1585.4	1594.0	1556.6	1482.7	1449.8	1450.3	1517.1	1759.5	1523.2
40°	1627.9	1629.0	1668.4	1703.8	1688.2	1616.8	1569.7	1569.2	1615.3	1864.3	1603.1
42.5°	1681.6	1688.2	1746.4	1807.1	1828.8	1765.6	1731.7	1719.0	1752.9	2006.0	1723.1
45°	1738.8	1748.4	1829.9	1916.4	1973.6	1936.1	1909.3	1914.4	1918.4	2170.9	1884.5
47.5°	1805.6	1811.6	1912.3	2034.3	2141.1	2131.5	2133.0	2126.9	2124.9	2378.9	2098.1
50°	1886.5	1900.7	2016.6	2162.3	2308.1	2371.8	2393.1	2395.6	2362.7	2605.6	2319.2
52.5°	2058.6	2075.8	2175.0	2302.5	2490.2	2624.3	2710.9	2693.7	2643.1	2825.2	2561.6
55°	2261.5	2274.7	2370.3	2502.4	2712.9	2901.1	3106.6	3099.5	2975.5	3056.5	2761.0
57.5°	2280.7	2295.4	2443.7	2646.1	2998.8	3243.2	3459.3	3482.1	3300.4	3220.5	2939.1
60°	2064.7	2094.5	2296.9	2569.2	3108.1	3703.2	3845.9	3850.5	3538.8	3386.9	3156.7
62.5°	1654.8	1668.9	1872.9	2228.1	2939.6	3971.4	4436.5	4340.3	3844.9	3644.5	3501.3
65°	867.4	925.0	1102.7	1495.9	2384.0	3877.8	5147.0	5120.7	4395.5	4013.4	3769.5
67.5°	595.1	594.6	636.6	779.8	1421.5	3338.9	5495.6	5785.1	5032.1	4139.9	3575.2
70°	452.9	454.4	491.9	585.0	736.3	2222.5	5113.1	5608.0	5150.5	3758.9	2891.5
72.5°	300.6	303.6	365.9	472.6	588.0	1089.5	3973.5	4487.1	4333.8	3019.1	2035.3
75°	179.6	182.2	226.7	343.6	522.7	609.8	2524.7	3102.0	2983.1	2080.9	1091.0
77.5°	73.9	75.9	116.4	214.1	382.6	473.7	1396.2	2029.7	1786.8	827.4	298.1
80°	30.9	31.9	56.2	149.8	275.8	297.0	646.7	953.9	732.2	178.1	91.1
82.5°	11.1	11.6	20.7	82.5	171.5	223.7	326.4	377.0	206.5	58.2	49.1
85°	0.5	0.5	5.1	27.8	65.3	63.3	186.7	180.7	68.3	24.3	29.4
87.5°	0.0	0.0	0.5	0.5	1.0	2.5	17.7	31.4	14.7	6.1	12.7
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°	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2
2.5°	1638.6	1611.7	1582.4	1555.1	1511.6	1485.7	1453.9	1439.7	1419.5	1414.4	1417.4
5°	1605.2	1559.1	1488.8	1425.0	1342.5	1276.2	1209.4	1181.1	1144.7	1120.4	1110.3
7.5°	1558.1	1497.9	1388.1	1272.2	1158.8	1037.9	945.8	885.1	829.9	799.5	793.5
10°	1510.5	1432.1	1274.7	1108.7	933.1	788.4	663.9	571.8	496.9	463.0	436.7
12.5°	1461.5	1363.8	1159.3	942.8	738.8	541.5	387.6	298.1	244.4	223.2	226.7
15°	1416.4	1298.0	1045.0	776.8	520.2	326.9	214.1	180.7	168.0	164.0	163.5
17.5°	1373.4	1235.8	931.1	615.3	343.1	200.4	164.0	155.9	152.3	150.3	150.3
20°	1334.4	1176.0	819.8	463.5	221.6	158.9	148.3	144.2	141.2	139.7	139.7
22.5°	1298.0	1118.4	711.0	327.9	163.5	142.7	136.1	132.1	128.5	126.5	126.5
25°	1265.1	1066.2	607.3	225.7	140.7	130.6	123.5	118.9	112.8	109.3	109.3
27.5°	1241.3	1019.7	507.6	164.5	127.0	117.4	109.3	103.2	96.7	92.6	91.6
30°	1227.2	980.2	406.9	135.1	114.4	104.8	95.6	88.1	80.5	76.4	75.9
32.5°	1219.1	943.8	314.8	117.9	103.7	92.6	82.5	74.4	66.8	62.2	61.7
35°	1222.1	915.4	235.8	106.3	93.6	82.0	70.8	62.7	56.2	52.1	51.1
37.5°	1248.4	902.8	177.1	97.2	85.0	72.9	61.2	53.6	47.6	44.5	44.0
40°	1299.5	905.3	139.2	90.1	77.9	63.8	52.6	45.5	41.0	38.5	38.0
42.5°	1379.0	926.6	114.9	84.0	70.3	55.7	45.5	40.0	35.4	32.9	32.4
45°	1497.4	970.6	100.2	76.9	62.2	48.1	39.5	34.4	30.4	27.3	26.8
47.5°	1668.9	1047.0	90.6	70.3	55.2	41.5	33.9	28.8	25.3	22.8	22.3
50°	1851.6	1138.6	82.5	63.8	49.1	35.9	28.8	23.8	20.7	18.2	17.7
52.5°	2046.4	1237.3	76.4	57.7	43.5	30.9	24.3	19.7	16.7	14.2	13.7
55°	2233.7	1336.5	69.3	53.6	36.9	26.3	20.2	16.2	13.2	11.1	11.1
57.5°	2415.9	1427.5	61.7	47.1	30.4	22.3	16.7	13.2	10.6	9.1	8.6
60°	2633.4	1553.6	53.1	40.0	25.3	18.7	13.7	10.6	8.6	7.1	7.1
62.5°	2956.8	1684.6	45.5	33.4	21.3	15.7	11.1	8.6	7.1	6.1	5.6
65°	3062.6	1613.8	38.5	27.3	17.2	12.7	9.1	7.6	6.1	5.6	5.1
67.5°	2780.2	1322.8	31.9	22.3	14.2	10.6	8.1	6.6	5.6	5.1	4.6
70°	2169.4	938.7	24.8	16.7	11.6	8.6	7.1	6.1	5.1	4.6	4.6
72.5°	1475.6	555.1	19.7	12.7	9.6	7.6	6.1	5.6	5.1	4.6	4.0
75°	726.7	197.4	15.2	9.6	7.6	6.6	5.6	5.1	4.6	4.0	4.0
77.5°	195.8	54.7	11.6	7.6	6.1	5.1	5.1	5.1	4.6	3.5	3.5
80°	66.3	22.8	8.6	5.6	5.1	4.0	3.5	4.6	4.0	3.5	3.0
82.5°	36.4	11.1	6.1	4.6	3.5	3.0	3.0	3.0	3.0	2.5	2.5
85°	23.3	6.1	4.0	3.5	3.5	2.5	2.0	2.0	1.5	1.5	1.5
87.5°	10.6	3.5	3.5	3.0	3.0	2.5	1.5	1.0	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)