

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: P630335

Luminaire Tested: GWS-SA1D-740-U-SL3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630335  
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-SA1D-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**

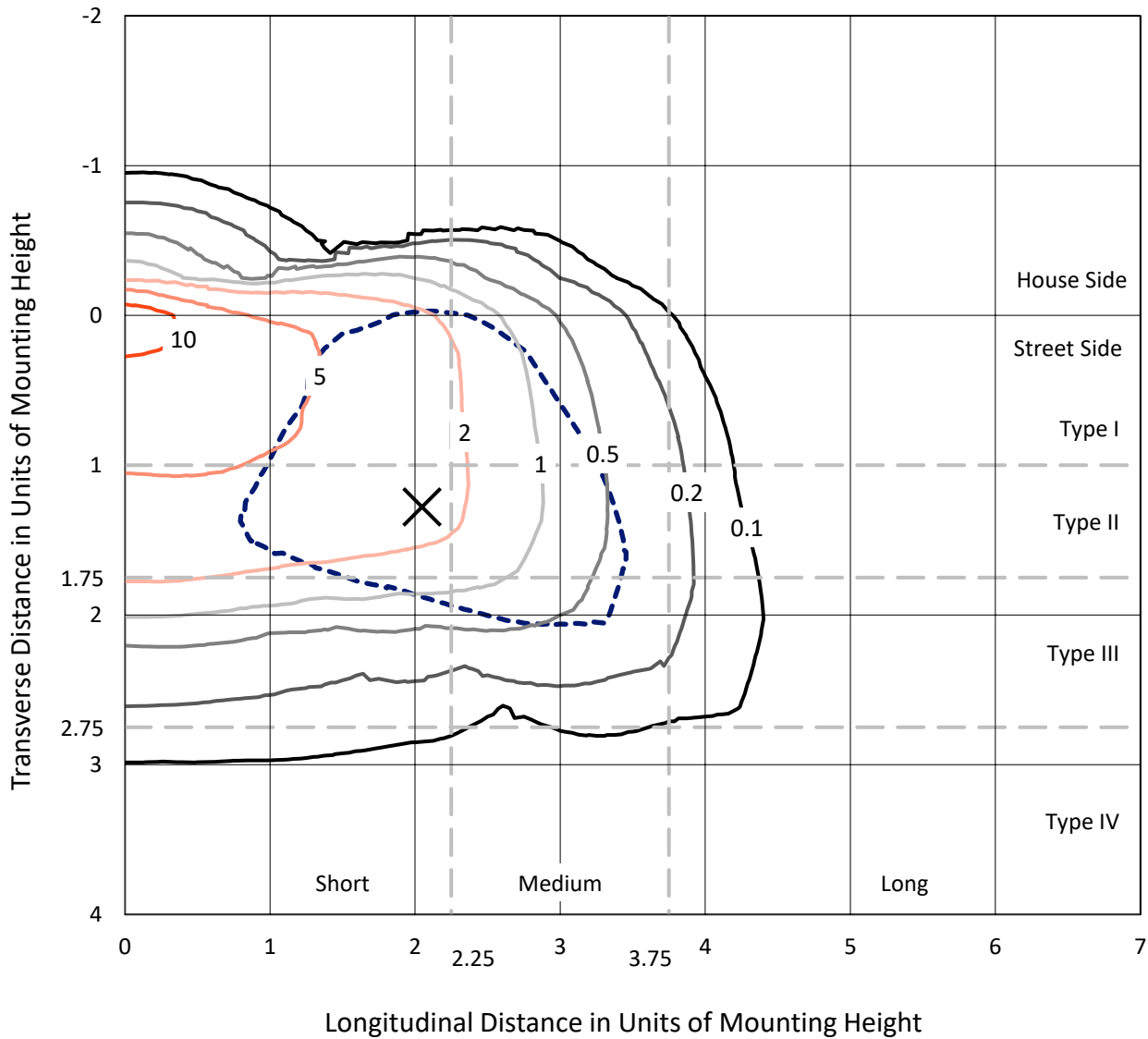
Lumens per Lamp: N/A  
Luminaire Lumens: 4911.2 lumens  
Efficiency: N/A  
Efficacy: 110.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

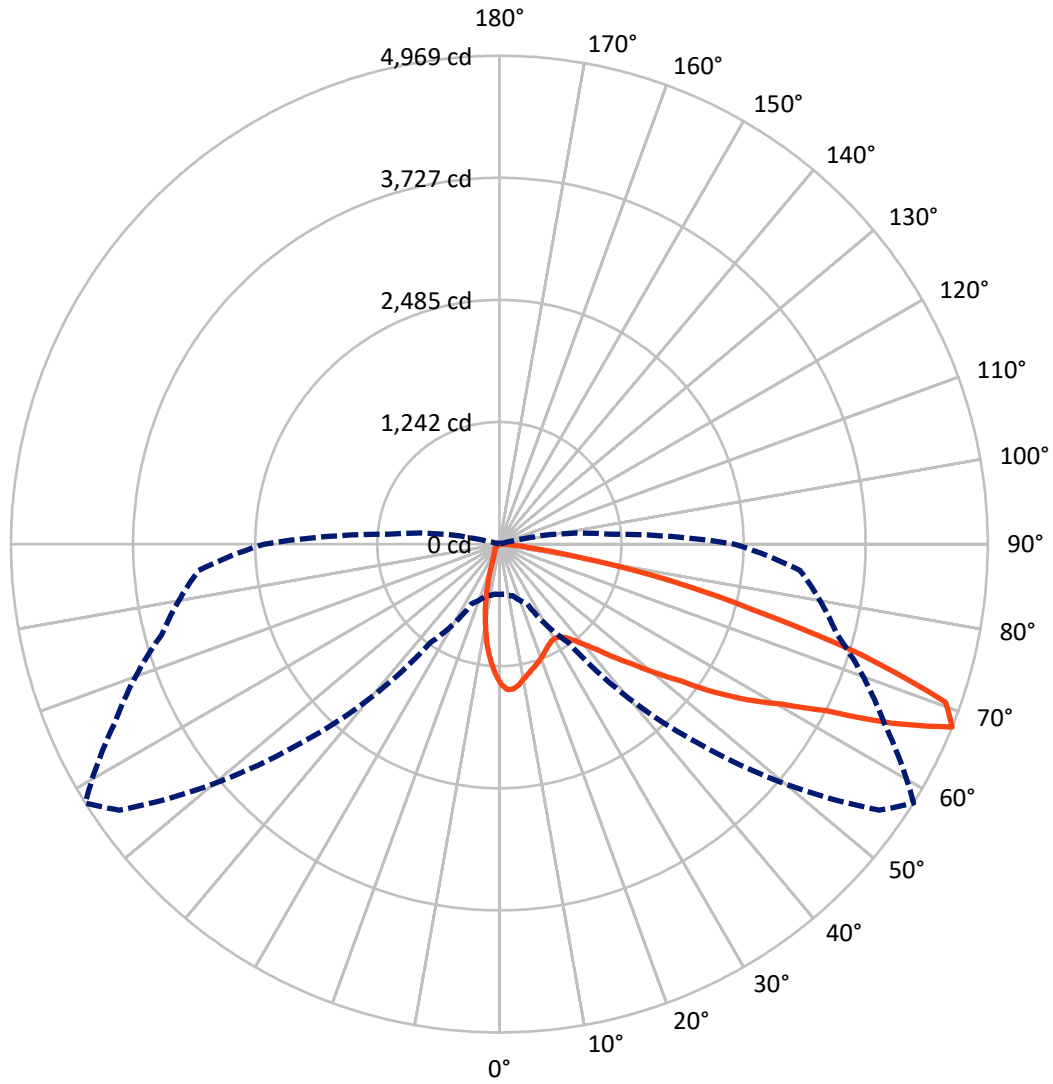
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.2 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
<b>House Side</b>	Lumens	479.8	0.0	479.8
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	4431.4	0.0	4431.4
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	4911.2	0.0	4911.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.1	2.3
10°-20°	239.6	4.9
20°-30°	323.2	6.6
30°-40°	454.1	9.2
40°-50°	701.3	14.3
50°-60°	1121.5	22.8
60°-70°	1327.9	27.0
70°-80°	587.4	12.0
80°-90°	41.1	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°	4911.2	100.0
0°-180°	4911.2	100.0

**Coefficient of Utilization**



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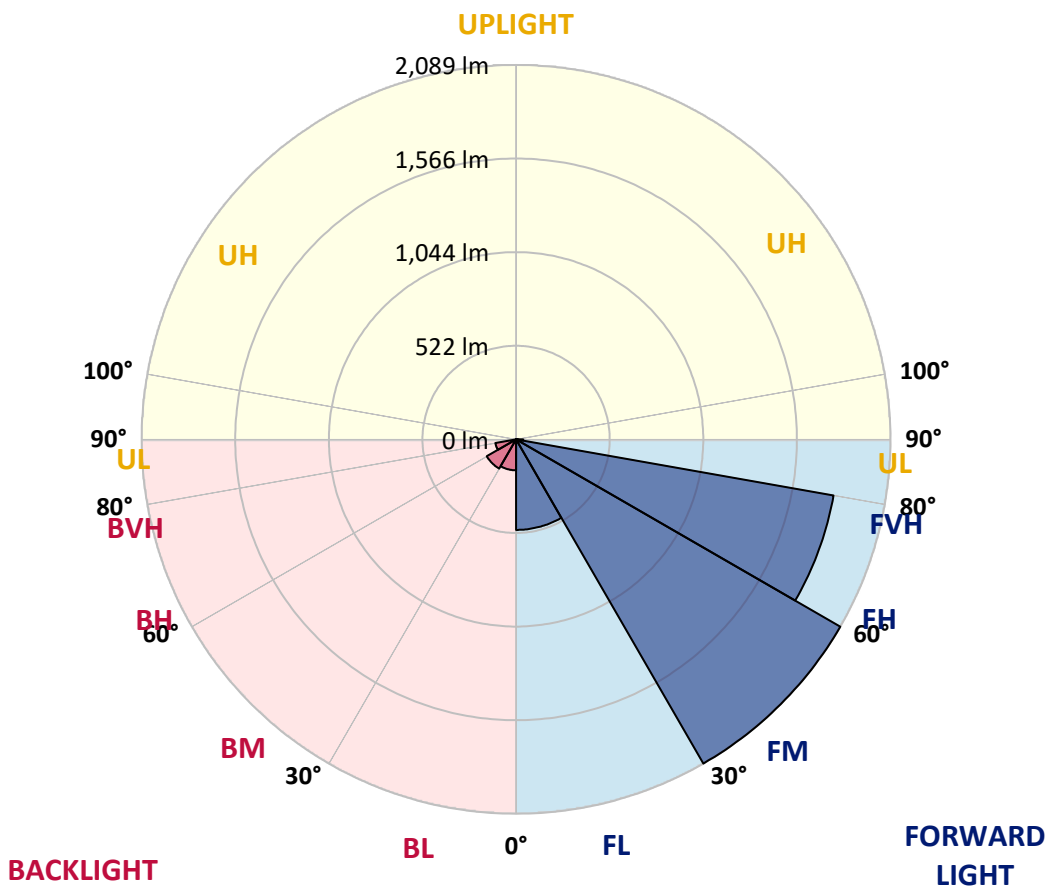
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	505.2	10.3			
FM (30°-60°)	2088.6	42.5			
FH (60°-80°)	1798.2	36.6			G1/1800
FVH (80°-90°)	39.3	0.8			G1/100
BL (0°-30°)	172.7	3.5	B1/500		
BM (30°-60°)	188.3	3.8	B0/220		
BH (60°-80°)	117.1	2.4	B1/500		G1/500
BVH (80°-90°)	1.7	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-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6
2.5°	1490.1	1492.7	1496.2	1500.5	1499.6	1495.7	1491.0	1480.1	1473.1	1451.4	1424.9
5°	1442.3	1441.8	1450.5	1458.8	1473.6	1481.4	1492.3	1482.3	1478.8	1452.7	1409.7
7.5°	1348.8	1353.6	1363.6	1376.6	1397.9	1421.0	1447.0	1444.0	1454.4	1437.1	1383.6
10°	1257.1	1254.5	1270.1	1289.7	1322.3	1351.9	1389.7	1389.2	1416.6	1414.9	1354.0
12.5°	1176.7	1176.2	1188.4	1210.6	1248.8	1290.1	1341.4	1342.7	1376.6	1390.5	1328.8
15°	1108.9	1109.7	1121.5	1144.5	1184.1	1234.5	1294.0	1304.9	1343.2	1371.4	1304.0
17.5°	1060.6	1061.1	1068.0	1088.0	1126.7	1180.6	1252.3	1267.1	1316.2	1357.1	1284.0
20°	1038.4	1036.7	1038.0	1048.0	1078.0	1127.1	1209.7	1228.8	1291.4	1347.1	1265.8
22.5°	1041.5	1038.9	1032.8	1031.5	1045.0	1082.4	1164.5	1188.0	1264.5	1341.0	1249.3
25°	1068.4	1062.8	1054.1	1041.1	1035.8	1054.5	1125.0	1149.3	1239.3	1341.4	1236.7
27.5°	1109.7	1103.7	1092.8	1075.4	1055.0	1047.1	1098.0	1121.0	1221.4	1351.4	1230.6
30°	1162.3	1157.6	1147.1	1126.3	1098.9	1066.7	1092.3	1111.5	1212.8	1371.8	1233.2
32.5°	1224.5	1221.0	1212.3	1193.2	1161.9	1112.8	1111.5	1126.3	1219.7	1401.4	1243.2
35°	1284.5	1285.8	1286.2	1275.8	1242.3	1182.8	1164.1	1169.3	1248.4	1445.7	1265.8
37.5°	1349.2	1346.2	1361.9	1369.2	1337.1	1273.6	1245.4	1245.8	1303.2	1511.4	1308.4
40°	1398.4	1399.2	1433.1	1463.6	1450.1	1388.8	1348.4	1347.9	1387.5	1601.4	1377.1
42.5°	1444.4	1450.1	1500.1	1552.2	1570.9	1516.6	1487.5	1476.6	1505.7	1723.1	1480.1
45°	1493.6	1501.8	1571.8	1646.1	1695.3	1663.1	1640.0	1644.4	1647.9	1864.8	1618.7
47.5°	1550.9	1556.2	1642.7	1747.4	1839.1	1830.9	1832.2	1827.0	1825.2	2043.4	1802.2
50°	1620.5	1632.7	1732.2	1857.4	1982.6	2037.3	2055.6	2057.8	2029.5	2238.2	1992.1
52.5°	1768.3	1783.1	1868.3	1977.8	2139.1	2254.2	2328.6	2313.8	2270.3	2426.8	2200.3
55°	1942.6	1953.9	2036.0	2149.5	2330.3	2492.0	2668.5	2662.4	2555.9	2625.5	2371.6
57.5°	1959.1	1971.7	2099.1	2272.9	2575.9	2785.9	2971.5	2991.0	2835.0	2766.3	2524.6
60°	1773.5	1799.1	1973.0	2206.9	2669.8	3181.0	3303.6	3307.5	3039.7	2909.3	2711.5
62.5°	1421.4	1433.6	1608.7	1913.9	2525.1	3411.4	3810.8	3728.2	3302.7	3130.6	3007.5
65°	745.0	794.6	947.2	1284.9	2047.8	3330.9	4421.1	4398.5	3775.6	3447.4	3237.9
67.5°	511.2	510.7	546.8	669.8	1221.0	2868.0	4720.6	4969.3	4322.5	3556.1	3071.0
70°	389.0	390.3	422.5	502.5	632.5	1909.1	4392.0	4817.1	4424.2	3228.8	2483.8
72.5°	258.2	260.8	314.3	406.0	505.1	935.9	3413.1	3854.3	3722.6	2593.3	1748.3
75°	154.3	156.5	194.7	295.1	449.0	523.8	2168.6	2664.6	2562.4	1787.4	937.2
77.5°	63.5	65.2	100.0	183.9	328.6	406.9	1199.3	1743.5	1534.9	710.7	256.0
80°	26.5	27.4	48.2	128.7	236.9	255.2	555.5	819.4	629.0	153.0	78.2
82.5°	9.6	10.0	17.8	70.9	147.4	192.1	280.4	323.8	177.3	50.0	42.2
85°	0.4	0.4	4.3	23.9	56.1	54.3	160.4	155.2	58.7	20.9	25.2
87.5°	0.0	0.0	0.4	0.4	0.9	2.2	15.2	27.0	12.6	5.2	10.9
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°	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6	1416.6
2.5°	1407.5	1384.5	1359.2	1335.8	1298.4	1276.2	1248.8	1236.7	1219.3	1214.9	1217.5
5°	1378.8	1339.2	1278.8	1224.1	1153.2	1096.3	1038.9	1014.5	983.2	962.4	953.7
7.5°	1338.4	1286.7	1192.3	1092.8	995.4	891.5	812.4	760.3	712.9	686.8	681.6
10°	1297.5	1230.1	1095.0	952.4	801.5	677.2	570.3	491.2	426.9	397.7	375.1
12.5°	1255.4	1171.5	995.9	809.8	634.6	465.1	333.0	256.0	210.0	191.7	194.7
15°	1216.7	1115.0	897.6	667.2	446.9	280.8	183.9	155.2	144.3	140.8	140.4
17.5°	1179.7	1061.5	799.8	528.6	294.7	172.1	140.8	133.9	130.8	129.1	129.1
20°	1146.2	1010.2	704.2	398.2	190.4	136.5	127.4	123.9	121.3	120.0	120.0
22.5°	1115.0	960.6	610.7	281.7	140.4	122.6	116.9	113.5	110.4	108.7	108.7
25°	1086.7	915.9	521.6	193.9	120.8	112.1	106.1	102.1	96.9	93.9	93.9
27.5°	1066.3	875.9	436.0	141.3	109.1	100.8	93.9	88.7	83.0	79.5	78.7
30°	1054.1	842.0	349.5	116.1	98.2	90.0	82.2	75.6	69.1	65.6	65.2
32.5°	1047.1	810.7	270.4	101.3	89.1	79.5	70.9	63.9	57.4	53.5	53.0
35°	1049.8	786.3	202.6	91.3	80.4	70.4	60.9	53.9	48.2	44.8	43.9
37.5°	1072.4	775.5	152.1	83.5	73.0	62.6	52.6	46.1	40.9	38.3	37.8
40°	1116.3	777.6	119.5	77.4	66.9	54.8	45.2	39.1	35.2	33.0	32.6
42.5°	1184.5	795.9	98.7	72.2	60.4	47.8	39.1	34.3	30.4	28.3	27.8
45°	1286.2	833.7	86.1	66.1	53.5	41.3	33.9	29.6	26.1	23.5	23.0
47.5°	1433.6	899.4	77.8	60.4	47.4	35.6	29.1	24.8	21.7	19.6	19.1
50°	1590.5	978.0	70.9	54.8	42.2	30.9	24.8	20.4	17.8	15.6	15.2
52.5°	1757.8	1062.8	65.6	49.6	37.4	26.5	20.9	17.0	14.3	12.2	11.7
55°	1918.7	1148.0	59.6	46.1	31.7	22.6	17.4	13.9	11.3	9.6	9.6
57.5°	2075.2	1226.2	53.0	40.4	26.1	19.1	14.3	11.3	9.1	7.8	7.4
60°	2262.1	1334.5	45.6	34.3	21.7	16.1	11.7	9.1	7.4	6.1	6.1
62.5°	2539.8	1447.0	39.1	28.7	18.3	13.5	9.6	7.4	6.1	5.2	4.8
65°	2630.7	1386.2	33.0	23.5	14.8	10.9	7.8	6.5	5.2	4.8	4.3
67.5°	2388.1	1136.3	27.4	19.1	12.2	9.1	7.0	5.7	4.8	4.3	3.9
70°	1863.5	806.3	21.3	14.3	10.0	7.4	6.1	5.2	4.3	3.9	3.9
72.5°	1267.5	476.8	17.0	10.9	8.3	6.5	5.2	4.8	4.3	3.9	3.5
75°	624.2	169.5	13.0	8.3	6.5	5.7	4.8	4.3	3.9	3.5	3.5
77.5°	168.2	46.9	10.0	6.5	5.2	4.3	4.3	4.3	3.9	3.0	3.0
80°	56.9	19.6	7.4	4.8	4.3	3.5	3.0	3.9	3.5	3.0	2.6
82.5°	31.3	9.6	5.2	3.9	3.0	2.6	2.6	2.6	2.6	2.2	2.2
85°	20.0	5.2	3.5	3.0	3.0	2.2	1.7	1.7	1.3	1.3	1.3
87.5°	9.1	3.0	3.0	2.6	2.6	2.2	1.3	0.9	0.4	0.4	0.4
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)