

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: P630445

Luminaire Tested: GWS-SA1D-760-U-SL3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630445  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

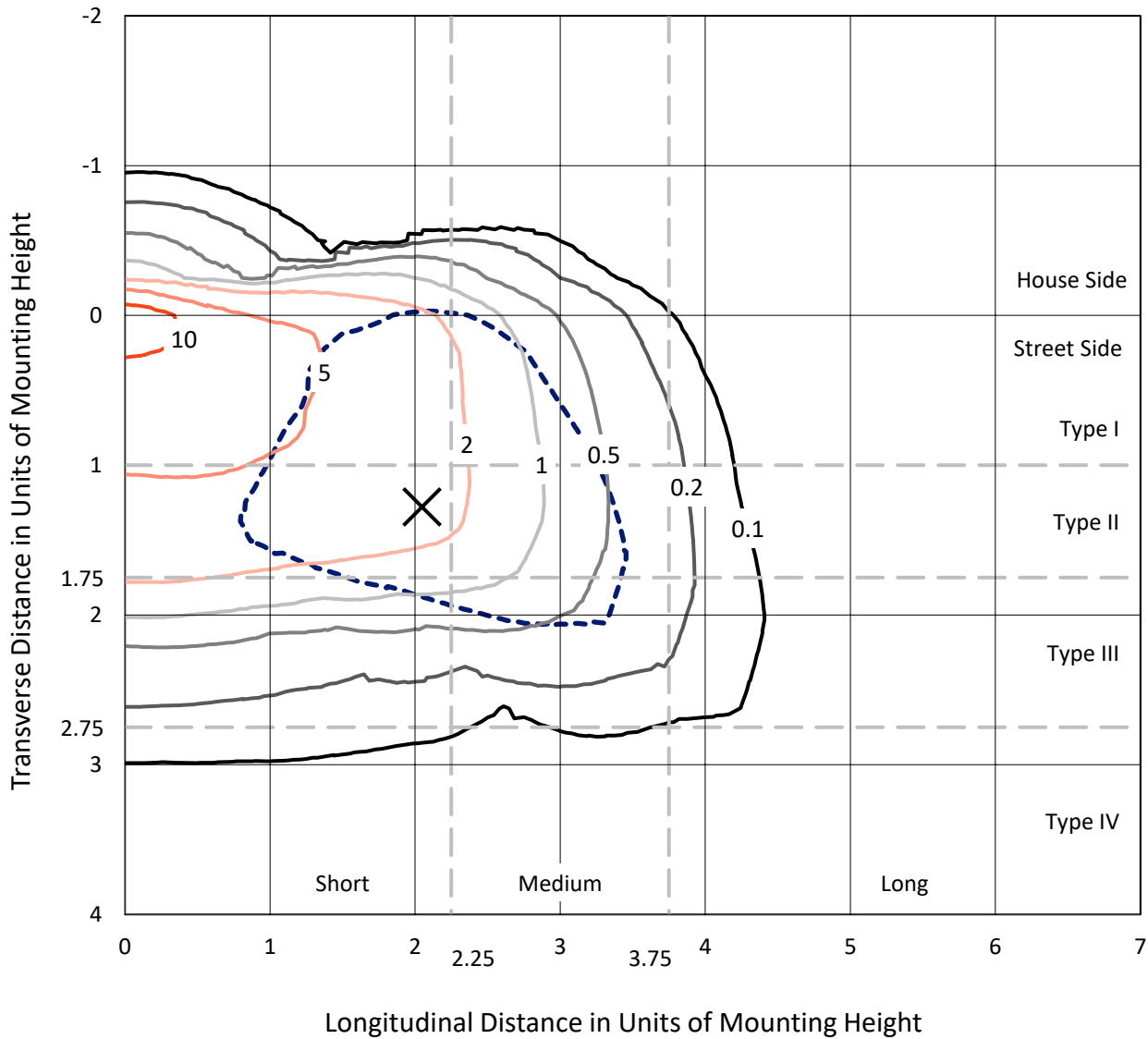
Lumens per Lamp: N/A  
Luminaire Lumens: 4954.9 lumens  
Efficiency: N/A  
Efficacy: 111.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

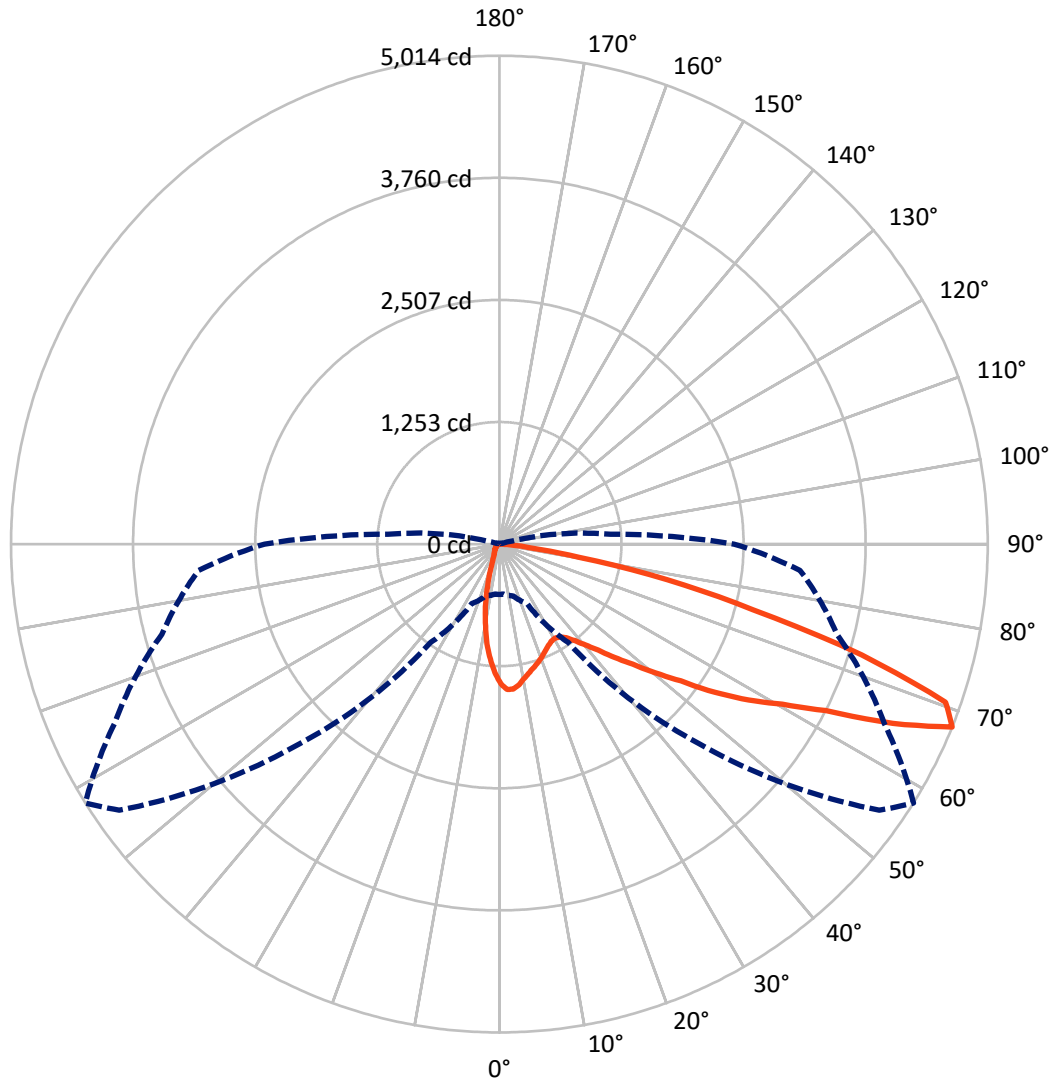
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.3 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	484.1	0.0	484.1
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	4470.8	0.0	4470.8
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	4954.9	0.0	4954.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.1	2.3
10°-20°	241.8	4.9
20°-30°	326.0	6.6
30°-40°	458.1	9.2
40°-50°	707.5	14.3
50°-60°	1131.5	22.8
60°-70°	1339.7	27.0
70°-80°	592.7	12.0
80°-90°	41.4	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°	4954.9	100.0
0°-180°	4954.9	100.0

**Coefficient of Utilization**



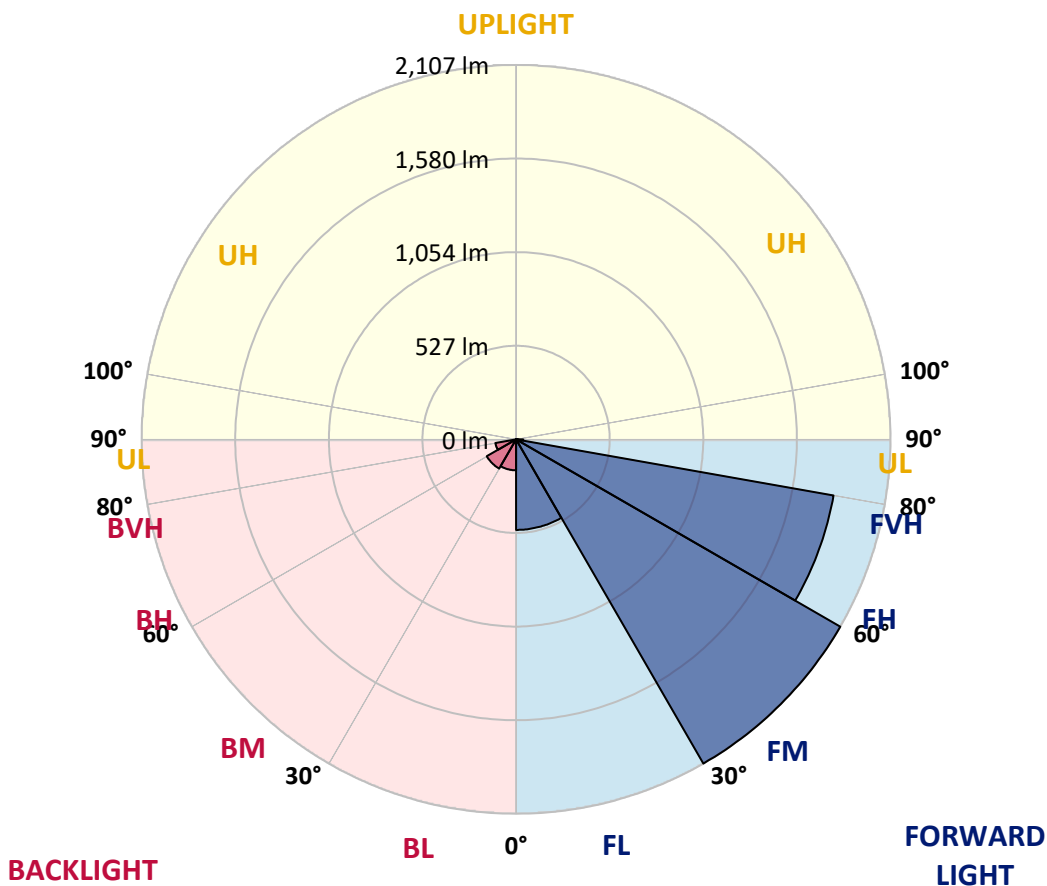
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	509.7	10.3			
FM (30°-60°)	2107.2	42.5			
FH (60°-80°)	1814.2	36.6			G2/5000
FVH (80°-90°)	39.7	0.8			G1/100
BL (0°-30°)	174.2	3.5	B1/500		
BM (30°-60°)	189.9	3.8	B0/220		
BH (60°-80°)	118.2	2.4	B1/500		G1/500
BVH (80°-90°)	1.8	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°	1429.2	1429.2	1429.2	1429.2	1429.2	1429.2	1429.2	1429.2	1429.2	1429.2	1429.2
2.5°	1503.3	1506.0	1509.5	1513.9	1513.0	1509.0	1504.2	1493.3	1486.2	1464.3	1437.6
5°	1455.1	1454.7	1463.4	1471.8	1486.7	1494.6	1505.5	1495.4	1491.9	1465.6	1422.2
7.5°	1360.8	1365.6	1375.7	1388.9	1410.4	1433.6	1459.9	1456.9	1467.4	1449.8	1395.9
10°	1268.3	1265.6	1281.4	1301.2	1334.1	1363.9	1402.0	1401.6	1429.2	1427.5	1366.1
12.5°	1187.1	1186.7	1199.0	1221.4	1259.9	1301.6	1353.4	1354.7	1388.9	1402.9	1340.6
15°	1118.7	1119.6	1131.5	1154.7	1194.6	1245.5	1305.6	1316.5	1355.1	1383.6	1315.6
17.5°	1070.1	1070.5	1077.5	1097.7	1136.7	1191.1	1263.5	1278.4	1327.9	1369.1	1295.5
20°	1047.7	1045.9	1047.3	1057.3	1087.6	1137.2	1220.5	1239.8	1302.9	1359.1	1277.0
22.5°	1050.8	1048.1	1042.0	1040.7	1054.3	1092.0	1174.9	1198.5	1275.7	1352.9	1260.4
25°	1077.9	1072.2	1063.5	1050.3	1045.1	1063.9	1135.0	1159.5	1250.3	1353.4	1247.7
27.5°	1119.6	1113.5	1102.5	1085.0	1064.4	1056.5	1107.8	1131.0	1232.3	1363.4	1241.5
30°	1172.7	1167.9	1157.3	1136.3	1108.6	1076.2	1102.1	1121.4	1223.5	1384.1	1244.2
32.5°	1235.4	1231.9	1223.1	1203.8	1172.2	1122.7	1121.4	1136.3	1230.6	1413.9	1254.2
35°	1295.9	1297.2	1297.7	1287.1	1253.4	1193.3	1174.4	1179.7	1259.5	1458.6	1277.0
37.5°	1361.3	1358.2	1374.0	1381.4	1349.0	1284.9	1256.4	1256.9	1314.8	1524.8	1320.0
40°	1410.8	1411.7	1445.9	1476.6	1463.0	1401.2	1360.4	1359.9	1399.8	1615.6	1389.3
42.5°	1457.3	1463.0	1513.4	1566.1	1584.9	1530.1	1500.7	1489.7	1519.1	1738.4	1493.3
45°	1506.8	1515.2	1585.8	1660.8	1710.3	1677.9	1654.6	1659.0	1662.5	1881.4	1633.2
47.5°	1564.7	1570.0	1657.3	1763.0	1855.5	1847.2	1848.5	1843.2	1841.5	2061.6	1818.2
50°	1634.9	1647.2	1747.6	1873.9	2000.2	2055.5	2073.9	2076.1	2047.6	2258.1	2009.9
52.5°	1784.0	1798.9	1884.9	1995.4	2158.1	2274.3	2349.3	2334.4	2290.5	2448.4	2219.9
55°	1959.9	1971.3	2054.2	2168.6	2351.1	2514.2	2692.2	2686.1	2578.7	2648.8	2392.7
57.5°	1976.5	1989.3	2117.7	2293.2	2598.8	2810.6	2997.9	3017.6	2860.2	2790.9	2547.1
60°	1789.3	1815.1	1990.6	2226.5	2693.6	3209.3	3333.0	3336.9	3066.8	2935.2	2735.7
62.5°	1434.0	1446.3	1623.1	1930.9	2547.5	3441.7	3844.7	3761.4	3332.1	3158.4	3034.3
65°	751.7	801.7	955.6	1296.3	2066.0	3360.6	4460.5	4437.7	3809.2	3478.1	3266.7
67.5°	515.7	515.3	551.7	675.8	1231.9	2893.5	4762.6	5013.5	4360.9	3587.8	3098.3
70°	392.5	393.8	426.3	507.0	638.1	1926.1	4431.1	4860.0	4463.5	3257.5	2505.9
72.5°	260.5	263.1	317.1	409.6	509.6	944.2	3443.5	3888.6	3755.7	2616.4	1763.8
75°	155.7	157.9	196.5	297.8	453.0	528.4	2187.9	2688.3	2585.2	1803.3	945.5
77.5°	64.0	65.8	100.9	185.5	331.5	410.5	1210.0	1759.0	1548.5	717.0	258.3
80°	26.8	27.6	48.7	129.8	239.0	257.4	560.5	826.7	634.6	154.4	78.9
82.5°	9.6	10.1	18.0	71.5	148.7	193.8	282.9	326.7	178.9	50.4	42.5
85°	0.4	0.4	4.4	24.1	56.6	54.8	161.8	156.6	59.2	21.1	25.4
87.5°	0.0	0.0	0.4	0.4	0.9	2.2	15.3	27.2	12.7	5.3	11.0
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°	1429.2	1429.2	1429.2	1429.2	1429.2	1429.2	1429.2	1429.2	1429.2	1429.2	1429.2
2.5°	1420.0	1396.8	1371.3	1347.7	1309.9	1287.6	1259.9	1247.7	1230.1	1225.7	1228.4
5°	1391.1	1351.2	1290.2	1234.9	1163.5	1106.0	1048.1	1023.6	992.0	970.9	962.2
7.5°	1350.3	1298.1	1202.9	1102.5	1004.3	899.5	819.6	767.0	719.2	692.9	687.6
10°	1309.1	1241.1	1104.7	960.9	808.7	683.3	575.4	495.6	430.7	401.3	378.5
12.5°	1266.5	1181.9	1004.7	817.0	640.3	469.2	335.9	258.3	211.8	193.4	196.5
15°	1227.5	1124.9	905.6	673.2	450.8	283.3	185.5	156.6	145.6	142.1	141.7
17.5°	1190.2	1070.9	806.9	533.3	297.3	173.7	142.1	135.1	132.0	130.2	130.2
20°	1156.4	1019.2	710.4	401.7	192.1	137.7	128.5	125.0	122.4	121.0	121.0
22.5°	1124.9	969.2	616.2	284.2	141.7	123.7	118.0	114.5	111.4	109.6	109.6
25°	1096.4	924.0	526.3	195.6	121.9	113.1	107.0	103.1	97.8	94.7	94.7
27.5°	1075.8	883.7	439.9	142.5	110.1	101.7	94.7	89.5	83.8	80.3	79.4
30°	1063.5	849.5	352.6	117.1	99.1	90.8	82.9	76.3	69.7	66.2	65.8
32.5°	1056.5	817.9	272.8	102.2	89.9	80.3	71.5	64.5	57.9	53.9	53.5
35°	1059.1	793.3	204.4	92.1	81.1	71.0	61.4	54.4	48.7	45.2	44.3
37.5°	1081.9	782.4	153.5	84.2	73.7	63.2	53.1	46.5	41.2	38.6	38.2
40°	1126.2	784.6	120.6	78.1	67.5	55.3	45.6	39.5	35.5	33.3	32.9
42.5°	1195.0	803.0	99.6	72.8	61.0	48.2	39.5	34.6	30.7	28.5	28.1
45°	1297.7	841.1	86.8	66.7	53.9	41.7	34.2	29.8	26.3	23.7	23.2
47.5°	1446.3	907.4	78.5	61.0	47.8	36.0	29.4	25.0	21.9	19.7	19.3
50°	1604.6	986.7	71.5	55.3	42.5	31.1	25.0	20.6	18.0	15.8	15.3
52.5°	1773.5	1072.2	66.2	50.0	37.7	26.8	21.1	17.1	14.5	12.3	11.8
55°	1935.7	1158.2	60.1	46.5	32.0	22.8	17.5	14.0	11.4	9.6	9.6
57.5°	2093.6	1237.1	53.5	40.8	26.3	19.3	14.5	11.4	9.2	7.9	7.5
60°	2282.2	1346.3	46.0	34.6	21.9	16.2	11.8	9.2	7.5	6.1	6.1
62.5°	2562.4	1459.9	39.5	28.9	18.4	13.6	9.6	7.5	6.1	5.3	4.8
65°	2654.1	1398.5	33.3	23.7	14.9	11.0	7.9	6.6	5.3	4.8	4.4
67.5°	2409.4	1146.4	27.6	19.3	12.3	9.2	7.0	5.7	4.8	4.4	3.9
70°	1880.1	813.5	21.5	14.5	10.1	7.5	6.1	5.3	4.4	3.9	3.9
72.5°	1278.8	481.1	17.1	11.0	8.3	6.6	5.3	4.8	4.4	3.9	3.5
75°	629.8	171.0	13.2	8.3	6.6	5.7	4.8	4.4	3.9	3.5	3.5
77.5°	169.7	47.4	10.1	6.6	5.3	4.4	4.4	4.4	3.9	3.1	3.1
80°	57.4	19.7	7.5	4.8	4.4	3.5	3.1	3.9	3.5	3.1	2.6
82.5°	31.6	9.6	5.3	3.9	3.1	2.6	2.6	2.6	2.6	2.2	2.2
85°	20.2	5.3	3.5	3.1	3.1	2.2	1.8	1.8	1.3	1.3	1.3
87.5°	9.2	3.1	3.1	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)