

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: P630280

Luminaire Tested: GWS-SA1D-735-U-SL3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630280  
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-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**

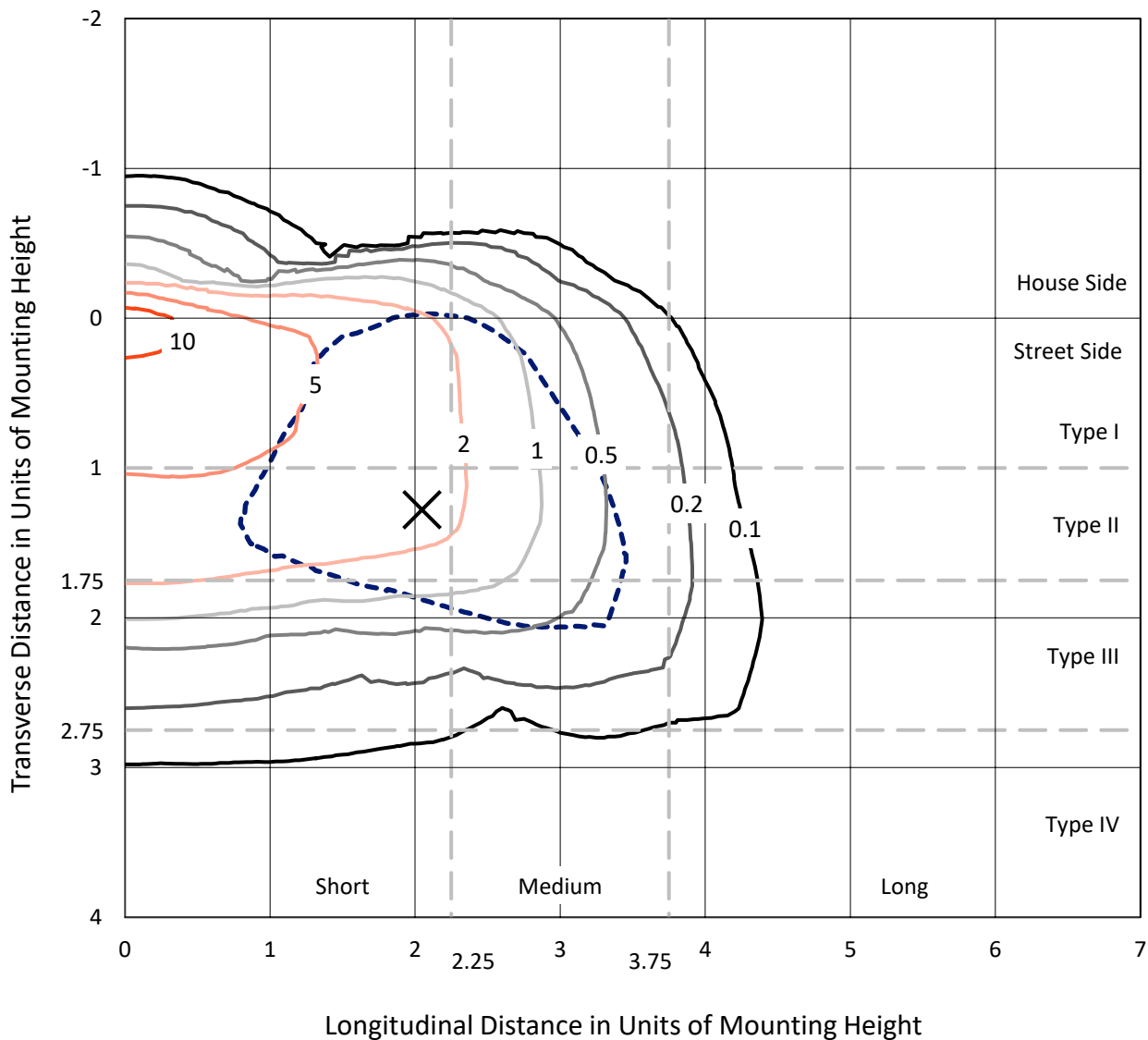
Lumens per Lamp: N/A  
Luminaire Lumens: 4843.9 lumens  
Efficiency: N/A  
Efficacy: 109.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

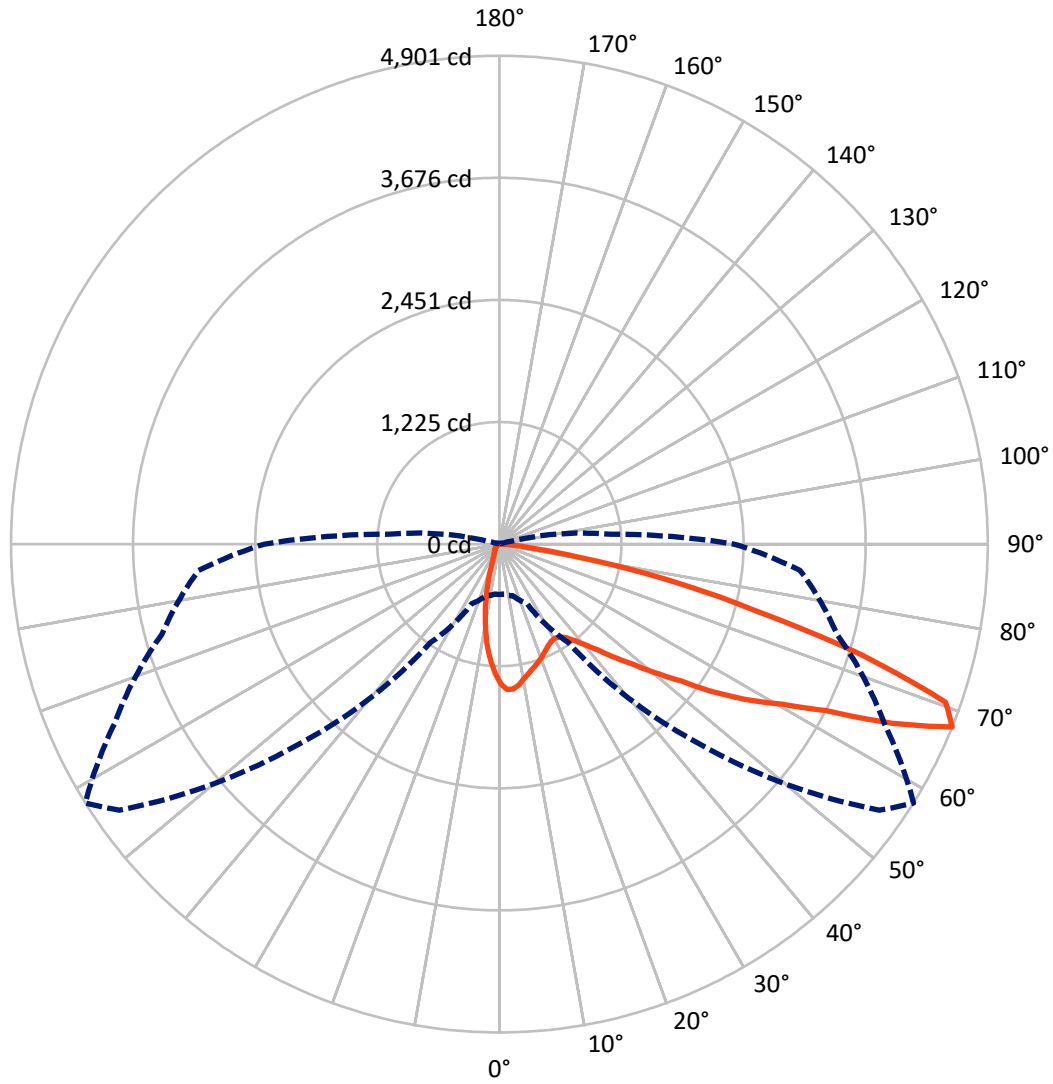
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14 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	473.2	0.0	473.2
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	4370.7	0.0	4370.7
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	4843.9	0.0	4843.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.5	2.3
10°-20°	236.3	4.9
20°-30°	318.7	6.6
30°-40°	447.9	9.2
40°-50°	691.7	14.3
50°-60°	1106.1	22.8
60°-70°	1309.7	27.0
70°-80°	579.4	12.0
80°-90°	40.5	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°	4843.9	100.0
0°-180°	4843.9	100.0

**Coefficient of Utilization**

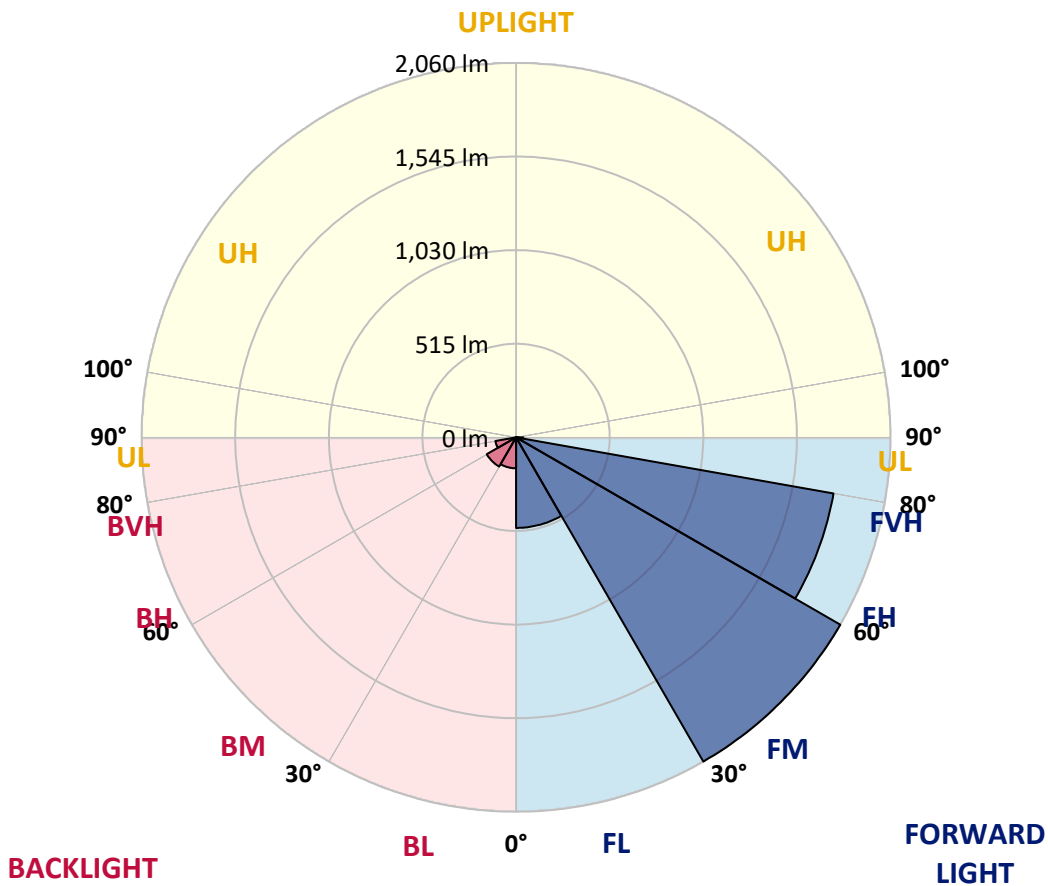


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	498.3	10.3			
FM (30°-60°)	2060.0	42.5			
FH (60°-80°)	1773.6	36.6			G1/1800
FVH (80°-90°)	38.8	0.8			G1/100
BL (0°-30°)	170.3	3.5	B1/500		
BM (30°-60°)	185.7	3.8	B0/220		
BH (60°-80°)	115.5	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°	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2
2.5°	1469.7	1472.2	1475.7	1480.0	1479.1	1475.2	1470.5	1459.8	1452.9	1431.5	1405.4
5°	1422.5	1422.1	1430.6	1438.8	1453.4	1461.1	1471.8	1461.9	1458.5	1432.8	1390.3
7.5°	1330.3	1335.0	1344.9	1357.8	1378.8	1401.5	1427.2	1424.2	1434.5	1417.4	1364.6
10°	1239.9	1237.3	1252.7	1272.0	1304.2	1333.3	1370.6	1370.2	1397.2	1395.5	1335.5
12.5°	1160.6	1160.1	1172.1	1194.0	1231.7	1272.4	1323.0	1324.3	1357.8	1371.5	1310.6
15°	1093.7	1094.5	1106.1	1128.8	1167.8	1217.6	1276.3	1287.0	1324.8	1352.6	1286.2
17.5°	1046.1	1046.5	1053.4	1073.1	1111.2	1164.4	1235.2	1249.7	1298.2	1338.5	1266.4
20°	1024.2	1022.5	1023.8	1033.7	1063.2	1111.7	1193.1	1212.0	1273.7	1328.6	1248.4
22.5°	1027.2	1024.6	1018.6	1017.4	1030.6	1067.5	1148.5	1171.7	1247.2	1322.6	1232.1
25°	1053.8	1048.2	1039.7	1026.8	1021.6	1040.1	1109.5	1133.5	1222.3	1323.0	1219.7
27.5°	1094.5	1088.5	1077.8	1060.7	1040.5	1032.8	1083.0	1105.7	1204.7	1332.9	1213.7
30°	1146.4	1141.7	1131.4	1110.8	1083.8	1052.1	1077.4	1096.2	1196.1	1353.0	1216.3
32.5°	1207.7	1204.3	1195.7	1176.8	1146.0	1097.5	1096.2	1110.8	1203.0	1382.2	1226.1
35°	1266.9	1268.2	1268.6	1258.3	1225.3	1166.6	1148.1	1153.3	1231.3	1425.9	1248.4
37.5°	1330.8	1327.8	1343.2	1350.5	1318.8	1256.2	1228.3	1228.7	1285.3	1490.7	1290.5
40°	1379.2	1380.1	1413.5	1443.5	1430.2	1369.8	1329.9	1329.5	1368.5	1579.4	1358.2
42.5°	1424.6	1430.2	1479.5	1531.0	1549.4	1495.8	1467.1	1456.4	1485.1	1699.5	1459.8
45°	1473.1	1481.2	1550.3	1623.6	1672.0	1640.3	1617.6	1621.9	1625.3	1839.2	1596.6
47.5°	1529.7	1534.8	1620.1	1723.5	1813.9	1805.8	1807.1	1801.9	1800.2	2015.4	1777.5
50°	1598.3	1610.3	1708.5	1831.9	1955.4	2009.4	2027.4	2029.6	2001.7	2207.5	1964.8
52.5°	1744.0	1758.6	1842.7	1950.7	2109.7	2223.4	2296.7	2282.1	2239.2	2393.6	2170.2
55°	1916.0	1927.1	2008.1	2120.0	2298.4	2457.9	2631.9	2625.9	2520.9	2589.5	2339.1
57.5°	1932.3	1944.7	2070.3	2241.8	2540.6	2747.7	2930.8	2950.0	2796.1	2728.4	2490.0
60°	1749.2	1774.5	1946.0	2176.6	2633.2	3137.4	3258.3	3262.2	2998.1	2869.4	2674.4
62.5°	1401.9	1413.9	1586.7	1887.7	2490.5	3364.6	3758.6	3677.2	3257.4	3087.7	2966.3
65°	734.8	783.7	934.2	1267.3	2019.7	3285.3	4360.5	4338.2	3723.9	3400.2	3193.6
67.5°	504.2	503.7	539.3	660.7	1204.3	2828.7	4655.9	4901.2	4263.2	3507.4	3028.9
70°	383.7	385.0	416.7	495.6	623.8	1883.0	4331.8	4751.1	4363.5	3184.6	2449.7
72.5°	254.7	257.2	310.0	400.4	498.2	923.0	3366.3	3801.5	3671.6	2557.8	1724.3
75°	152.2	154.3	192.1	291.1	442.9	516.6	2138.9	2628.1	2527.3	1762.9	924.3
77.5°	62.6	64.3	98.6	181.3	324.1	401.3	1182.8	1719.6	1513.8	701.0	252.5
80°	26.2	27.0	47.6	126.9	233.7	251.7	547.9	808.1	620.4	150.9	77.2
82.5°	9.4	9.9	17.6	69.9	145.3	189.5	276.5	319.4	174.9	49.3	41.6
85°	0.4	0.4	4.3	23.6	55.3	53.6	158.2	153.1	57.9	20.6	24.9
87.5°	0.0	0.0	0.4	0.4	0.9	2.1	15.0	26.6	12.4	5.1	10.7
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°	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2
2.5°	1388.2	1365.5	1340.6	1317.5	1280.6	1258.7	1231.7	1219.7	1202.6	1198.3	1200.9
5°	1359.9	1320.9	1261.3	1207.3	1137.4	1081.2	1024.6	1000.6	969.8	949.2	940.6
7.5°	1320.0	1269.0	1176.0	1077.8	981.8	879.3	801.3	749.8	703.1	677.4	672.2
10°	1279.7	1213.3	1080.0	939.3	790.6	668.0	562.5	484.5	421.0	392.3	370.0
12.5°	1238.2	1155.4	982.2	798.7	625.9	458.7	328.4	252.5	207.1	189.1	192.1
15°	1200.0	1099.7	885.3	658.1	440.7	277.0	181.3	153.1	142.3	138.9	138.5
17.5°	1163.6	1046.9	788.9	521.3	290.7	169.8	138.9	132.0	129.0	127.3	127.3
20°	1130.5	996.4	694.5	392.7	187.8	134.6	125.6	122.2	119.6	118.3	118.3
22.5°	1099.7	947.5	602.4	277.8	138.5	120.9	115.3	111.9	108.9	107.2	107.2
25°	1071.8	903.3	514.5	191.2	119.2	110.6	104.6	100.7	95.6	92.6	92.6
27.5°	1051.7	863.9	430.0	139.3	107.6	99.5	92.6	87.5	81.9	78.5	77.6
30°	1039.7	830.4	344.7	114.5	96.9	88.7	81.0	74.6	68.2	64.7	64.3
32.5°	1032.8	799.6	266.7	99.9	87.9	78.5	69.9	63.0	56.6	52.7	52.3
35°	1035.4	775.6	199.8	90.0	79.3	69.5	60.0	53.2	47.6	44.2	43.3
37.5°	1057.7	764.8	150.1	82.3	72.0	61.7	51.9	45.4	40.3	37.7	37.3
40°	1101.0	767.0	117.9	76.3	66.0	54.0	44.6	38.6	34.7	32.6	32.2
42.5°	1168.3	785.0	97.3	71.2	59.6	47.2	38.6	33.9	30.0	27.9	27.4
45°	1268.6	822.3	84.9	65.2	52.7	40.7	33.4	29.2	25.7	23.2	22.7
47.5°	1413.9	887.0	76.7	59.6	46.7	35.2	28.7	24.4	21.4	19.3	18.9
50°	1568.7	964.6	69.9	54.0	41.6	30.4	24.4	20.1	17.6	15.4	15.0
52.5°	1733.8	1048.2	64.7	48.9	36.9	26.2	20.6	16.7	14.1	12.0	11.6
55°	1892.4	1132.3	58.7	45.4	31.3	22.3	17.1	13.7	11.1	9.4	9.4
57.5°	2046.7	1209.4	52.3	39.9	25.7	18.9	14.1	11.1	9.0	7.7	7.3
60°	2231.1	1316.2	45.0	33.9	21.4	15.9	11.6	9.0	7.3	6.0	6.0
62.5°	2505.0	1427.2	38.6	28.3	18.0	13.3	9.4	7.3	6.0	5.1	4.7
65°	2594.6	1367.2	32.6	23.2	14.6	10.7	7.7	6.4	5.1	4.7	4.3
67.5°	2355.4	1120.7	27.0	18.9	12.0	9.0	6.9	5.6	4.7	4.3	3.9
70°	1837.9	795.3	21.0	14.1	9.9	7.3	6.0	5.1	4.3	3.9	3.9
72.5°	1250.2	470.3	16.7	10.7	8.1	6.4	5.1	4.7	4.3	3.9	3.4
75°	615.6	167.2	12.9	8.1	6.4	5.6	4.7	4.3	3.9	3.4	3.4
77.5°	165.9	46.3	9.9	6.4	5.1	4.3	4.3	4.3	3.9	3.0	3.0
80°	56.2	19.3	7.3	4.7	4.3	3.4	3.0	3.9	3.4	3.0	2.6
82.5°	30.9	9.4	5.1	3.9	3.0	2.6	2.6	2.6	2.6	2.1	2.1
85°	19.7	5.1	3.4	3.0	3.0	2.1	1.7	1.7	1.3	1.3	1.3
87.5°	9.0	3.0	3.0	2.6	2.6	2.1	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)