

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: P632091

Luminaire Tested: GWS-SA2C-722-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632091  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-722-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

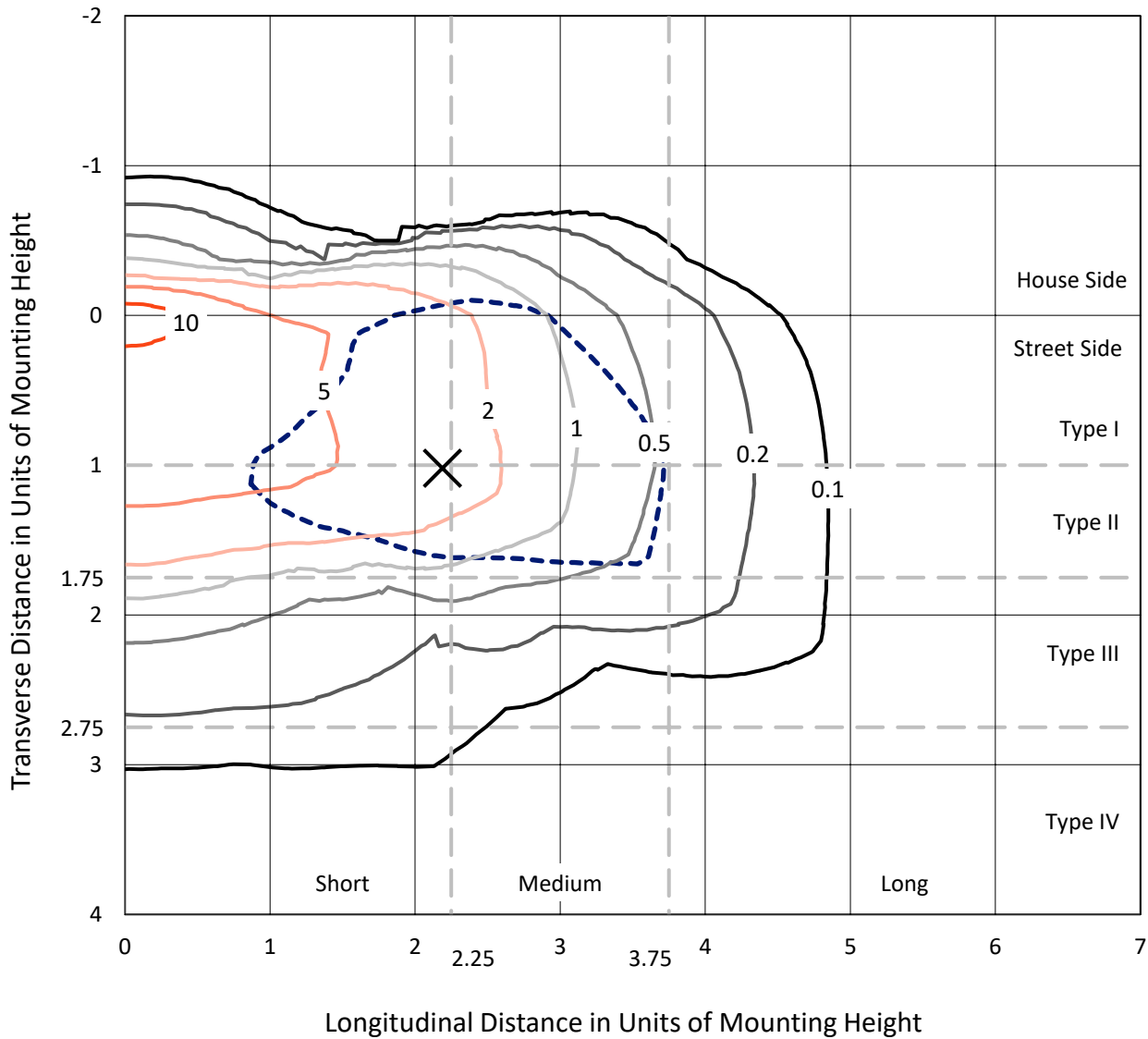
Lumens per Lamp: N/A  
Luminaire Lumens: 5404.3 lumens  
Efficiency: N/A  
Efficacy: 85.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

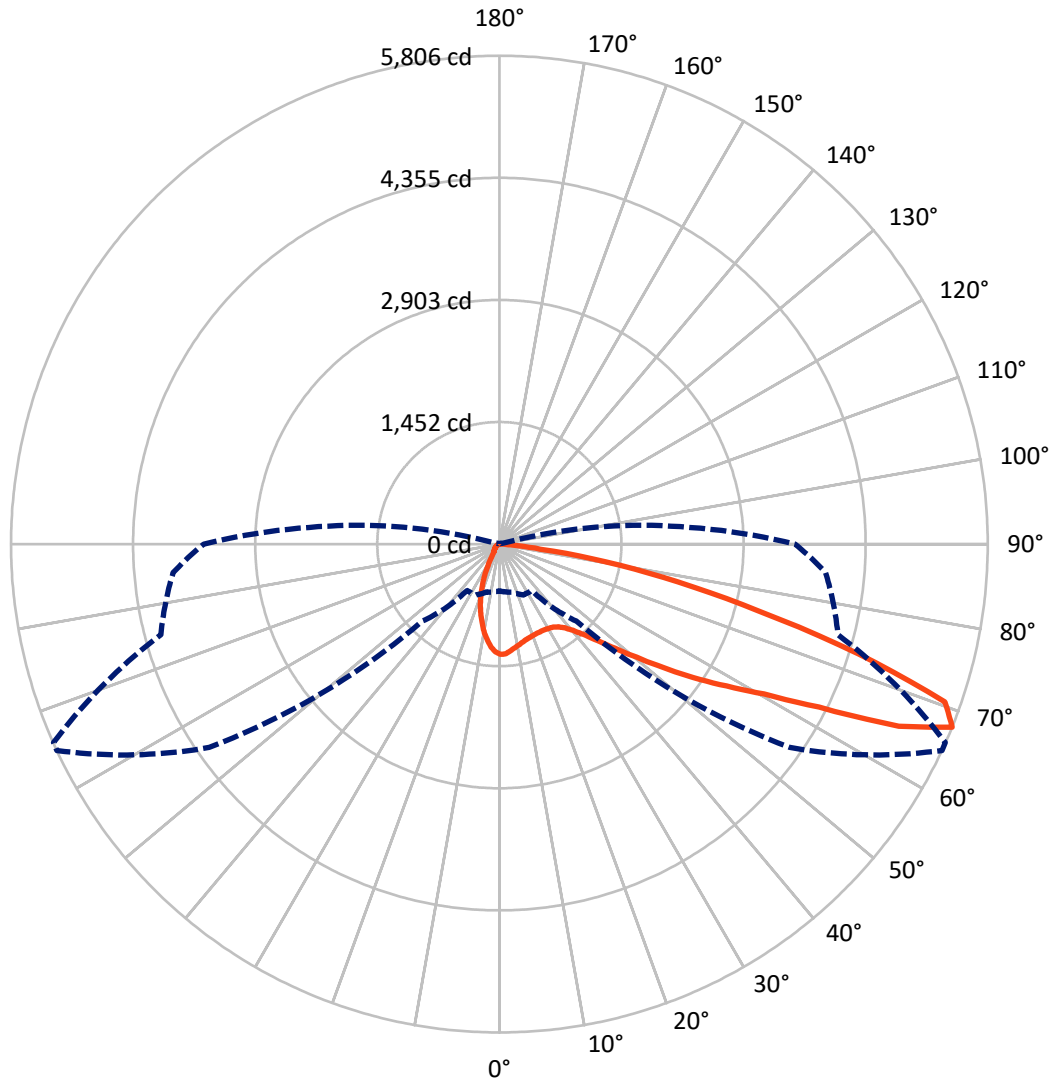
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	674.8	0.0	674.8
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	4729.5	0.0	4729.5
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	5404.3	0.0	5404.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.9	2.0
10°-20°	244.7	4.5
20°-30°	349.7	6.5
30°-40°	508.7	9.4
40°-50°	796.8	14.7
50°-60°	1243.0	23.0
60°-70°	1365.4	25.3
70°-80°	726.6	13.4
80°-90°	60.5	1.1
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°	5404.3	100.0
0°-180°	5404.3	100.0

**Coefficient of Utilization**

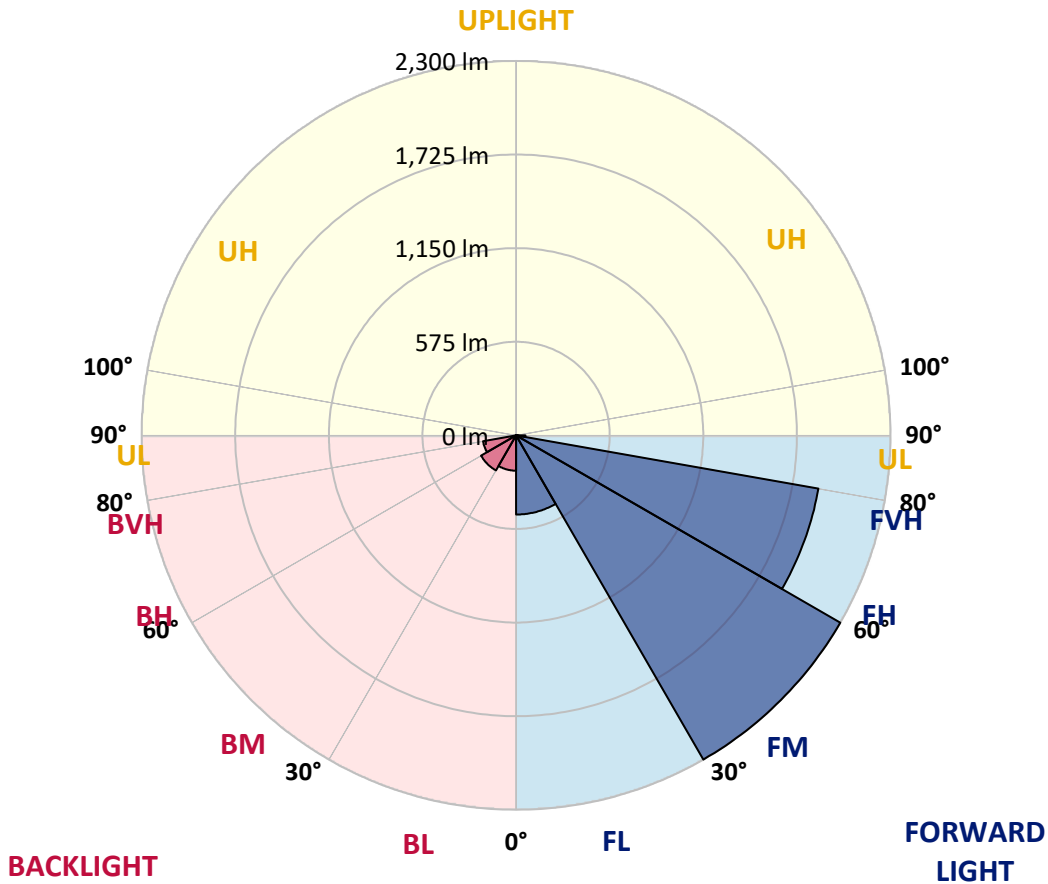


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	486.4	9.0			
FM (30°-60°)	2300.0	42.6			
FH (60°-80°)	1885.9	34.9			G2/5000
FVH (80°-90°)	57.3	1.1			G1/100
BL (0°-30°)	216.9	4.0	B1/500		
BM (30°-60°)	248.6	4.6	B1/1000		
BH (60°-80°)	206.1	3.8	B1/500		G1/500
BVH (80°-90°)	3.2	0.1			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1310.7	1310.7	1310.7	1310.7	1310.7	1310.7	1310.7	1310.7	1310.7	1310.7	1310.7
2.5°	1265.3	1269.2	1263.8	1277.0	1279.4	1294.1	1302.4	1308.3	1307.8	1315.1	1315.1
5°	1191.0	1194.9	1192.0	1206.1	1217.4	1240.3	1259.4	1281.4	1282.4	1304.8	1313.2
7.5°	1127.9	1128.4	1128.4	1146.0	1160.7	1189.0	1217.4	1251.1	1255.0	1289.7	1311.7
10°	1076.1	1077.6	1078.1	1098.1	1114.3	1148.5	1184.6	1225.2	1229.6	1276.5	1310.7
12.5°	1040.5	1040.9	1042.9	1063.9	1081.5	1117.2	1153.8	1200.3	1206.1	1261.4	1306.3
15°	1023.4	1022.4	1023.4	1040.9	1058.5	1092.7	1130.4	1180.2	1186.6	1248.6	1306.8
17.5°	1022.4	1020.9	1019.9	1033.1	1044.4	1074.7	1112.8	1167.0	1173.9	1242.8	1312.2
20°	1036.5	1035.6	1030.7	1036.5	1039.0	1063.9	1101.5	1156.8	1163.6	1241.8	1323.9
22.5°	1073.7	1071.2	1063.9	1058.5	1045.3	1060.0	1093.7	1149.4	1157.3	1244.2	1339.1
25°	1128.9	1127.9	1118.7	1105.5	1071.7	1065.9	1094.2	1149.4	1156.8	1247.2	1355.2
27.5°	1212.0	1206.1	1194.4	1171.4	1123.0	1088.8	1104.0	1152.4	1159.7	1251.1	1368.4
30°	1296.5	1296.1	1292.1	1268.7	1196.8	1132.8	1124.5	1160.2	1167.0	1254.5	1380.6
32.5°	1384.0	1385.5	1395.3	1377.2	1298.5	1198.3	1161.7	1176.3	1181.2	1261.4	1391.3
35°	1467.1	1470.0	1495.9	1502.3	1422.1	1297.5	1222.3	1208.6	1209.1	1276.5	1405.5
37.5°	1546.8	1556.5	1598.1	1628.9	1576.1	1417.7	1309.7	1263.3	1259.4	1306.8	1427.0
40°	1637.2	1655.7	1708.0	1760.3	1743.7	1576.6	1429.0	1347.4	1339.1	1362.5	1465.6
42.5°	1737.4	1757.4	1826.8	1900.1	1907.9	1768.6	1578.0	1470.0	1455.9	1456.3	1538.0
45°	1844.9	1871.7	1952.4	2057.9	2105.4	1982.7	1761.8	1635.7	1621.5	1600.5	1654.3
47.5°	1986.1	2009.6	2087.3	2209.0	2299.9	2212.4	2002.7	1848.8	1822.9	1792.1	1835.1
50°	2107.8	2128.3	2195.3	2347.7	2536.9	2508.5	2275.9	2115.1	2090.2	2037.9	2073.6
52.5°	2134.7	2150.8	2212.4	2383.9	2718.2	2882.4	2610.7	2437.2	2419.6	2322.8	2336.5
55°	2014.0	2038.4	2093.6	2284.2	2765.6	3247.9	3045.1	2800.3	2763.6	2609.2	2633.6
57.5°	1709.0	1752.5	1804.3	2052.1	2637.1	3442.5	3652.1	3184.9	3151.7	2884.8	2885.3
60°	1252.6	1287.7	1322.4	1549.2	2332.1	3429.3	4202.9	3616.9	3556.3	3110.1	3101.8
62.5°	911.0	929.0	928.5	1009.2	1601.5	3203.5	4492.2	4267.9	4126.6	3351.1	3303.7
65°	716.4	716.0	737.0	763.4	894.3	2472.9	4527.9	5218.4	5065.9	3674.1	3575.4
67.5°	557.6	568.4	589.4	667.1	672.0	1294.1	4214.1	5806.3	5803.4	4167.2	3893.5
70°	430.1	444.7	474.5	587.9	620.7	724.3	3153.1	5620.1	5667.5	4387.6	3668.2
72.5°	276.1	275.1	319.1	475.0	596.2	603.6	1743.7	4464.3	4518.1	3974.2	2966.0
75°	154.4	155.4	180.3	290.8	555.7	567.9	863.5	3183.4	3226.0	3098.4	2278.8
77.5°	60.6	62.6	84.5	153.0	366.5	507.3	513.1	2170.8	2177.2	1920.1	1397.7
80°	24.4	25.9	43.0	94.8	223.3	341.6	366.5	1278.9	1253.0	743.3	406.6
82.5°	7.3	7.8	17.1	53.8	116.8	242.9	247.3	490.7	463.3	159.8	103.6
85°	0.5	0.5	3.9	16.6	41.5	61.1	164.7	159.8	141.7	40.1	45.9
87.5°	0.0	0.0	0.5	0.5	1.0	2.0	17.6	29.3	29.8	7.3	20.5
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°	1310.7	1310.7	1310.7	1310.7	1310.7	1310.7	1310.7	1310.7	1310.7	1310.7	1310.7
2.5°	1315.1	1297.5	1296.1	1282.4	1268.7	1251.6	1231.5	1216.9	1206.6	1188.5	1185.1
5°	1313.2	1289.7	1267.7	1228.6	1185.1	1138.2	1097.1	1059.0	1035.1	1019.0	1012.1
7.5°	1309.2	1279.4	1228.6	1154.8	1082.0	999.9	935.9	877.2	837.2	813.7	803.4
10°	1306.3	1266.2	1183.6	1071.7	958.8	845.5	748.2	661.2	612.8	574.7	568.4
12.5°	1300.5	1247.2	1126.0	974.5	828.8	678.3	554.2	447.7	373.9	340.6	328.9
15°	1294.6	1227.1	1068.3	871.9	687.1	501.4	350.9	248.3	197.4	181.8	180.8
17.5°	1293.6	1209.1	1005.8	774.6	538.6	328.4	199.9	160.8	150.0	146.1	146.1
20°	1296.5	1193.9	944.2	662.7	392.4	199.9	149.1	139.3	132.9	129.5	129.5
22.5°	1299.5	1178.3	885.0	549.8	260.5	146.1	131.5	123.2	115.8	111.9	110.0
25°	1301.4	1161.2	819.6	436.4	170.1	127.1	115.3	104.6	95.8	90.9	90.9
27.5°	1300.9	1140.6	753.6	325.5	132.0	112.9	98.7	87.5	78.7	73.3	73.8
30°	1297.0	1118.2	685.2	227.2	115.3	98.7	84.5	72.8	64.0	59.6	59.1
32.5°	1294.1	1094.2	606.0	159.8	103.6	86.5	71.8	60.6	53.3	49.8	49.4
35°	1290.7	1070.8	530.7	121.7	93.3	74.8	60.6	51.3	45.4	42.5	42.5
37.5°	1291.7	1046.3	449.1	104.6	83.1	65.0	51.8	44.0	39.1	36.2	35.7
40°	1306.8	1031.7	369.0	94.8	73.8	56.2	45.0	38.1	33.2	30.3	29.8
42.5°	1344.4	1032.1	292.2	87.5	65.5	47.9	39.1	32.7	28.3	24.9	24.4
45°	1419.7	1052.7	224.3	79.7	56.7	41.5	33.7	27.9	23.5	20.5	20.0
47.5°	1542.8	1113.8	170.1	72.8	49.4	36.2	28.8	23.5	19.5	17.1	16.6
50°	1738.8	1224.2	133.9	64.5	41.5	31.3	24.4	19.5	16.1	13.7	13.2
52.5°	1974.4	1389.9	114.8	57.2	35.7	27.4	21.0	16.1	13.2	11.2	10.8
55°	2245.1	1587.8	106.0	49.8	30.3	23.5	17.1	13.2	10.8	9.3	8.3
57.5°	2493.4	1766.2	105.6	42.5	25.9	20.0	14.2	11.2	9.3	7.3	6.8
60°	2735.3	1915.2	99.2	35.2	22.5	16.6	12.2	9.3	7.8	6.4	5.9
62.5°	2954.7	2036.4	83.1	28.3	19.1	13.7	10.3	8.3	6.8	5.4	5.4
65°	3230.4	2190.9	63.5	23.0	15.6	11.2	8.8	7.3	6.4	4.9	4.9
67.5°	3515.3	2272.5	45.4	19.1	12.7	9.8	7.8	6.8	5.4	4.4	4.4
70°	3183.9	1920.1	32.7	15.6	10.8	8.3	6.8	6.4	5.4	4.4	3.9
72.5°	2486.5	1384.5	24.4	12.2	9.3	7.8	6.4	5.9	4.9	3.9	3.9
75°	1843.9	807.3	18.6	9.8	7.3	6.4	6.4	5.9	4.9	3.9	3.4
77.5°	1002.3	281.5	14.2	7.8	5.9	4.9	5.4	5.4	4.4	3.4	2.9
80°	265.4	77.2	9.8	5.9	4.9	3.9	3.9	4.9	3.9	2.9	2.9
82.5°	77.2	22.5	6.8	4.9	3.9	3.4	3.4	3.4	2.9	2.4	2.0
85°	37.6	8.3	4.9	3.9	3.4	2.9	2.4	2.4	2.0	1.5	1.5
87.5°	16.6	3.4	3.9	3.4	3.4	2.4	2.0	1.5	1.5	1.0	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)