

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: P630858

Luminaire Tested: GWS-SA1E-740-U-T3R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630858  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-740-U-T3R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

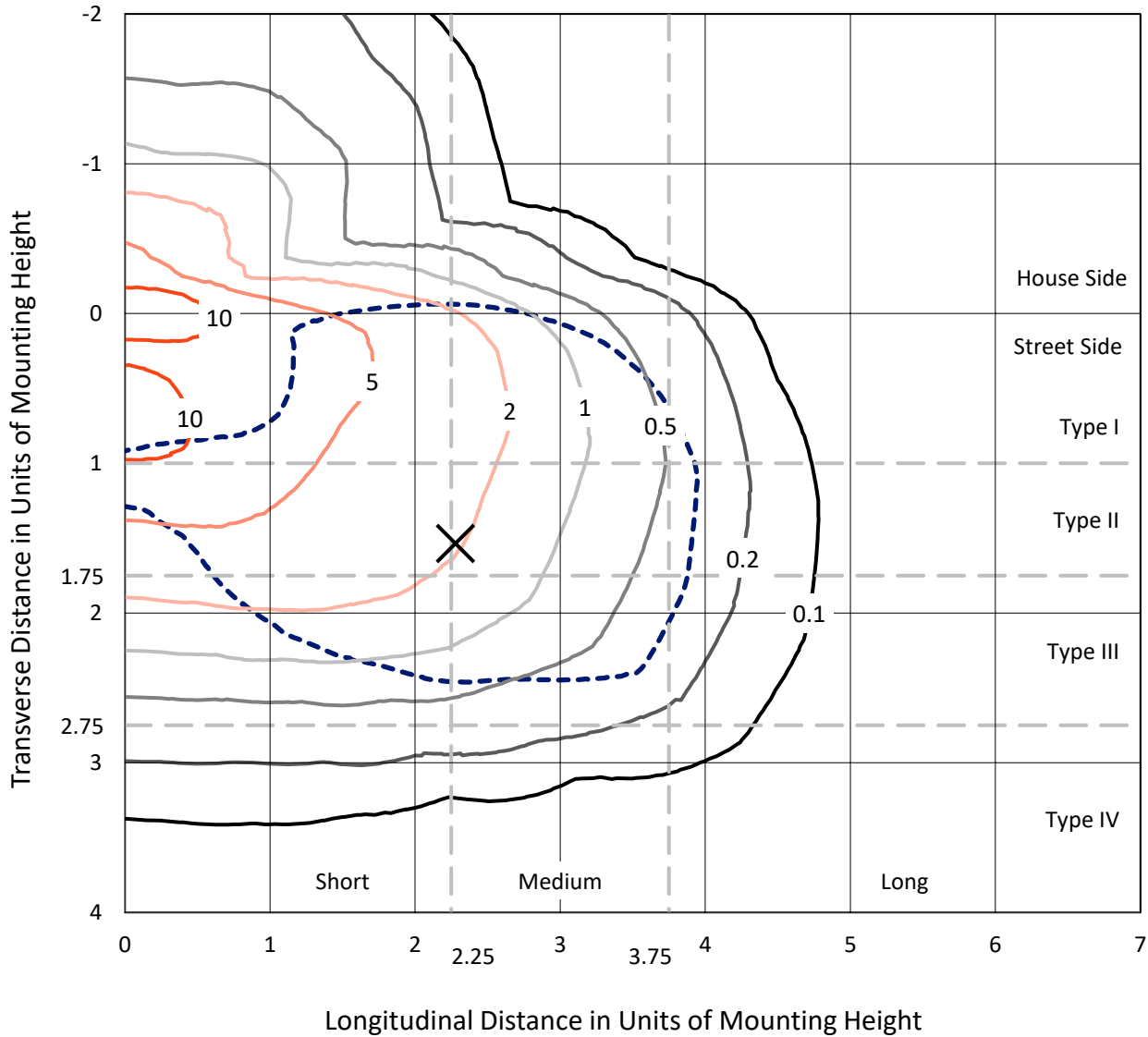
Lumens per Lamp: N/A  
Luminaire Lumens: 7703.3 lumens  
Efficiency: N/A  
Efficacy: 131.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

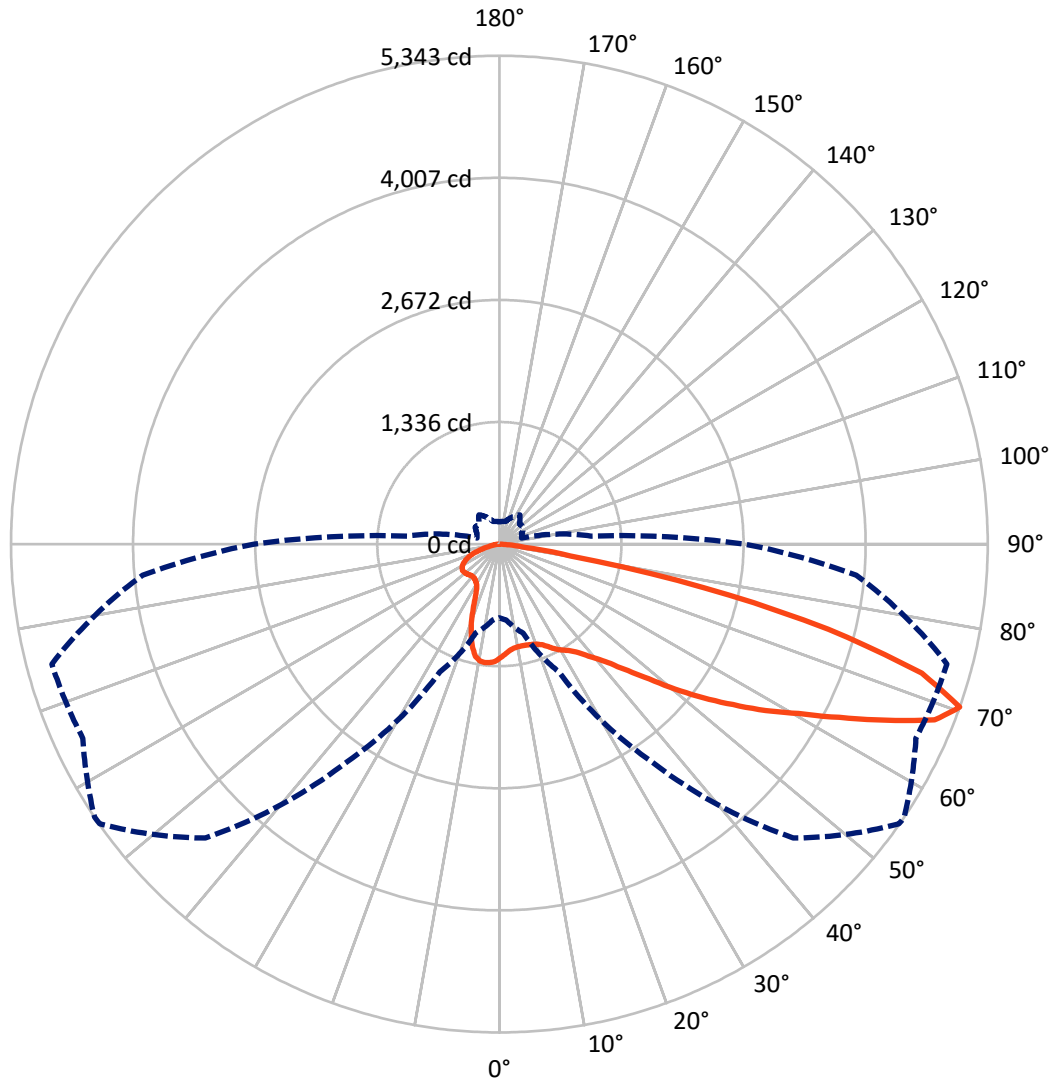
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1481.0	0.0	1481.0
	% Fixture	19.2	0.0	19.2
<b>Street Side</b>	Lumens	6222.3	0.0	6222.3
	% Fixture	80.8	0.0	80.8
<b>Total</b>	Lumens	7703.3	0.0	7703.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.1	1.5
10°-20°	311.8	4.0
20°-30°	515.4	6.7
30°-40°	770.7	10.0
40°-50°	1146.8	14.9
50°-60°	1630.5	21.2
60°-70°	2019.4	26.2
70°-80°	1115.1	14.5
80°-90°	78.5	1.0
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°	7703.3	100.0
0°-180°	7703.3	100.0

**Coefficient of Utilization**



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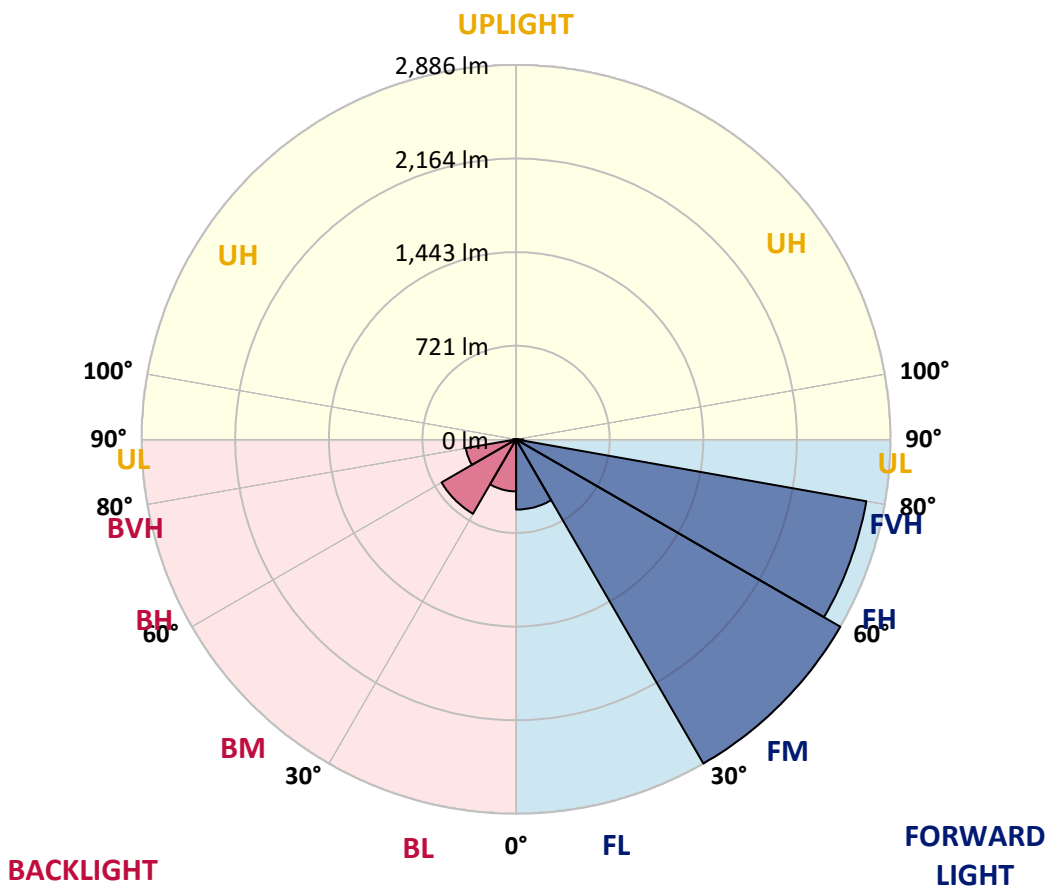
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	541.4	7.0			
FM (30°-60°)	2885.5	37.5			
FH (60°-80°)	2740.8	35.6			G2/5000
FVH (80°-90°)	54.6	0.7			G1/100
BL (0°-30°)	400.9	5.2	B1/500		
BM (30°-60°)	662.5	8.6	B1/1000		
BH (60°-80°)	393.6	5.1	B1/500		G1/500
BVH (80°-90°)	24.0	0.3			G1/100
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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1243.4	1243.4	1243.4	1243.4	1243.4	1243.4	1243.4	1243.4	1243.4	1243.4	1243.4
2.5°	1163.6	1157.1	1164.7	1168.5	1178.2	1192.4	1204.9	1205.4	1211.9	1227.7	1242.9
5°	1110.9	1107.6	1109.8	1121.2	1131.5	1149.5	1168.5	1170.1	1188.6	1219.5	1249.9
7.5°	1070.1	1065.8	1073.9	1088.6	1101.7	1121.7	1146.7	1148.9	1175.0	1221.7	1268.4
10°	1011.5	1008.2	1023.4	1043.0	1071.2	1104.4	1137.5	1140.2	1174.4	1235.8	1301.0
12.5°	985.9	985.9	992.5	1010.9	1041.9	1085.9	1135.9	1140.2	1183.1	1257.6	1342.8
15°	1025.6	1028.3	1022.9	1021.8	1034.3	1076.1	1138.0	1144.6	1199.4	1279.8	1384.1
17.5°	1105.5	1108.2	1094.0	1071.8	1059.3	1085.4	1146.2	1153.3	1216.8	1304.3	1428.7
20°	1217.4	1220.6	1189.7	1155.4	1112.5	1112.0	1161.9	1168.5	1239.1	1330.9	1475.9
22.5°	1348.3	1350.4	1311.3	1257.0	1191.3	1161.4	1189.1	1195.6	1267.9	1367.8	1527.0
25°	1499.8	1506.3	1459.1	1380.3	1291.2	1229.3	1234.2	1241.8	1319.5	1417.3	1587.3
27.5°	1661.7	1669.9	1615.5	1528.6	1405.9	1304.3	1292.3	1298.8	1374.3	1447.7	1619.3
30°	1827.4	1833.4	1779.0	1679.6	1529.2	1389.0	1341.2	1345.0	1398.2	1462.3	1651.9
32.5°	2011.5	2006.7	1954.5	1839.9	1671.5	1490.6	1386.8	1385.8	1424.9	1491.7	1698.6
35°	2184.3	2191.4	2135.9	2009.4	1827.9	1616.1	1455.3	1450.9	1481.4	1539.5	1764.4
37.5°	2393.4	2391.3	2325.0	2188.1	1984.9	1736.1	1551.4	1543.8	1554.7	1613.9	1856.2
40°	2542.8	2558.0	2515.1	2387.5	2168.5	1883.9	1663.9	1647.0	1649.8	1705.7	1979.0
42.5°	2665.0	2679.2	2683.5	2602.0	2378.8	2066.4	1804.0	1787.2	1788.8	1868.1	2130.0
45°	2759.0	2778.0	2839.4	2815.5	2615.6	2277.2	1993.6	1976.2	1977.3	2065.3	2312.5
47.5°	2797.6	2818.2	2942.6	2999.7	2867.1	2529.2	2229.4	2203.8	2207.6	2304.9	2521.1
50°	2785.1	2812.8	2981.2	3141.4	3077.9	2785.6	2511.3	2493.4	2478.7	2620.0	2747.6
52.5°	2677.5	2708.0	2977.4	3231.6	3250.1	3027.9	2802.5	2792.2	2788.9	2954.6	3000.7
55°	2360.8	2411.9	2846.5	3255.5	3384.8	3256.1	3118.1	3100.7	3117.5	3313.1	3256.6
57.5°	2185.4	2223.4	2590.1	3228.9	3495.1	3473.4	3433.2	3434.8	3453.8	3702.6	3566.8
60°	2085.4	2130.0	2447.8	3156.1	3601.0	3737.4	3762.9	3762.9	3797.1	4122.5	3881.9
62.5°	1952.9	1998.0	2314.7	3016.0	3698.8	4048.1	4177.4	4175.7	4189.3	4572.8	4189.9
65°	1684.0	1725.8	2047.4	2794.9	3746.6	4390.3	4648.3	4643.4	4616.3	4973.7	4393.6
67.5°	1222.8	1262.4	1568.3	2374.4	3574.4	4666.3	5133.4	5135.6	4973.2	5226.3	4404.4
70°	806.1	833.3	1008.2	1542.2	2906.8	4547.3	5336.6	5343.1	5028.0	5068.8	3919.9
72.5°	503.0	522.0	629.6	919.7	1717.7	3599.4	4815.1	4833.0	4523.4	4454.4	3220.8
75°	334.1	347.1	418.8	536.2	794.7	1948.0	3660.2	3717.8	3625.5	3491.8	2244.0
77.5°	201.0	211.9	266.7	340.6	352.0	761.1	2136.5	2285.3	2298.4	1823.0	939.8
80°	91.8	104.3	147.2	194.5	187.4	265.1	753.4	788.2	930.0	579.1	296.6
82.5°	54.3	59.8	97.8	96.7	79.9	128.7	271.1	278.1	236.3	211.9	126.6
85°	21.7	25.5	41.3	36.4	29.3	41.8	102.1	107.0	102.7	92.3	46.7
87.5°	0.0	0.0	0.0	0.0	0.5	1.1	9.2	9.8	14.1	25.5	14.1
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°	1243.4	1243.4	1243.4	1243.4	1243.4	1243.4	1243.4	1243.4	1243.4	1243.4	1243.4
2.5°	1252.7	1249.4	1265.7	1278.2	1283.6	1289.1	1284.2	1282.5	1282.5	1271.7	1266.2
5°	1266.2	1267.9	1290.1	1300.5	1300.5	1296.1	1283.1	1273.9	1270.6	1256.5	1252.7
7.5°	1291.8	1298.8	1319.5	1318.9	1303.7	1279.8	1247.2	1222.2	1199.4	1189.7	1183.7
10°	1333.6	1342.8	1357.0	1334.1	1291.8	1228.8	1159.8	1105.5	1072.9	1046.8	1046.8
12.5°	1381.4	1390.1	1387.4	1334.7	1247.2	1129.4	1029.9	967.5	921.8	897.9	897.9
15°	1429.2	1436.3	1406.9	1309.7	1154.3	997.4	888.7	813.7	774.1	751.8	751.8
17.5°	1477.6	1477.0	1415.1	1252.1	1033.2	851.2	744.8	686.6	673.0	669.2	668.7
20°	1524.3	1511.8	1404.8	1156.0	892.5	704.0	636.7	640.5	660.6	669.2	670.3
22.5°	1577.0	1546.0	1374.3	1033.2	732.8	601.9	606.2	637.7	667.1	680.1	681.7
25°	1630.7	1575.3	1323.3	889.3	599.2	564.4	598.1	633.4	666.5	683.4	685.0
27.5°	1652.5	1575.3	1236.4	722.5	528.0	548.7	585.6	619.8	654.6	674.1	677.9
30°	1670.4	1561.8	1114.7	572.0	498.7	533.4	565.5	597.0	631.2	655.1	659.5
32.5°	1695.4	1549.8	967.5	480.7	485.1	518.8	541.0	567.7	598.6	614.4	612.8
35°	1724.7	1531.3	789.8	437.3	473.7	506.3	522.0	537.8	523.7	523.1	524.8
37.5°	1766.6	1515.0	635.0	417.7	466.1	497.6	510.6	476.9	457.4	449.2	446.0
40°	1826.8	1508.5	500.8	406.3	465.0	497.0	487.8	435.7	409.0	380.8	380.3
42.5°	1902.9	1503.6	413.9	400.9	468.8	509.5	456.3	408.5	353.6	341.1	340.1
45°	2000.7	1496.0	370.5	399.8	478.0	519.3	453.0	371.0	333.5	328.1	328.1
47.5°	2118.6	1484.1	350.9	399.8	488.4	515.0	443.3	362.9	324.3	330.3	334.1
50°	2253.8	1468.9	340.6	398.7	498.7	515.0	422.6	361.2	322.1	353.1	365.6
52.5°	2398.3	1451.5	333.5	394.4	505.7	515.5	423.7	366.7	324.3	358.5	368.8
55°	2558.0	1448.8	323.8	385.1	507.9	501.4	426.4	378.6	327.6	324.8	325.4
57.5°	2759.6	1481.4	316.7	371.6	499.2	472.6	431.9	387.3	323.8	324.3	328.1
60°	2970.3	1542.7	322.7	358.5	481.3	445.4	435.7	383.0	305.3	296.6	297.7
62.5°	3149.6	1589.5	327.6	352.5	455.2	421.5	431.9	373.2	295.0	292.8	297.7
65°	3224.6	1550.9	315.6	340.1	417.2	392.2	423.7	360.7	286.3	278.1	278.7
67.5°	3141.4	1370.0	292.3	312.4	374.3	354.7	410.7	344.4	274.3	264.5	262.4
70°	2683.5	1006.6	252.1	268.4	322.1	310.7	390.6	323.2	255.3	248.3	243.4
72.5°	2162.6	712.7	209.1	213.5	252.6	261.8	355.8	296.6	233.6	213.5	206.4
75°	1505.3	447.6	174.4	170.0	182.5	199.9	277.6	246.1	201.5	180.3	173.8
77.5°	647.5	229.8	136.3	134.2	121.7	138.5	212.9	205.3	168.9	144.5	140.7
80°	216.7	133.1	98.3	94.5	80.9	97.2	149.9	164.1	132.5	107.0	100.5
82.5°	108.6	77.1	62.5	56.5	54.3	61.4	88.5	102.1	91.8	73.9	62.5
85°	53.2	44.0	34.2	33.7	28.2	26.6	36.9	43.5	41.3	30.4	28.8
87.5°	19.6	17.4	10.9	8.7	5.4	3.8	2.2	2.2	1.6	1.6	1.6
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)