

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: P631954

Luminaire Tested: GWS-SA2B-760-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631954  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2B-760-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6967.3 lumens  
Efficiency: N/A  
Efficacy: 150.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 46.4  
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

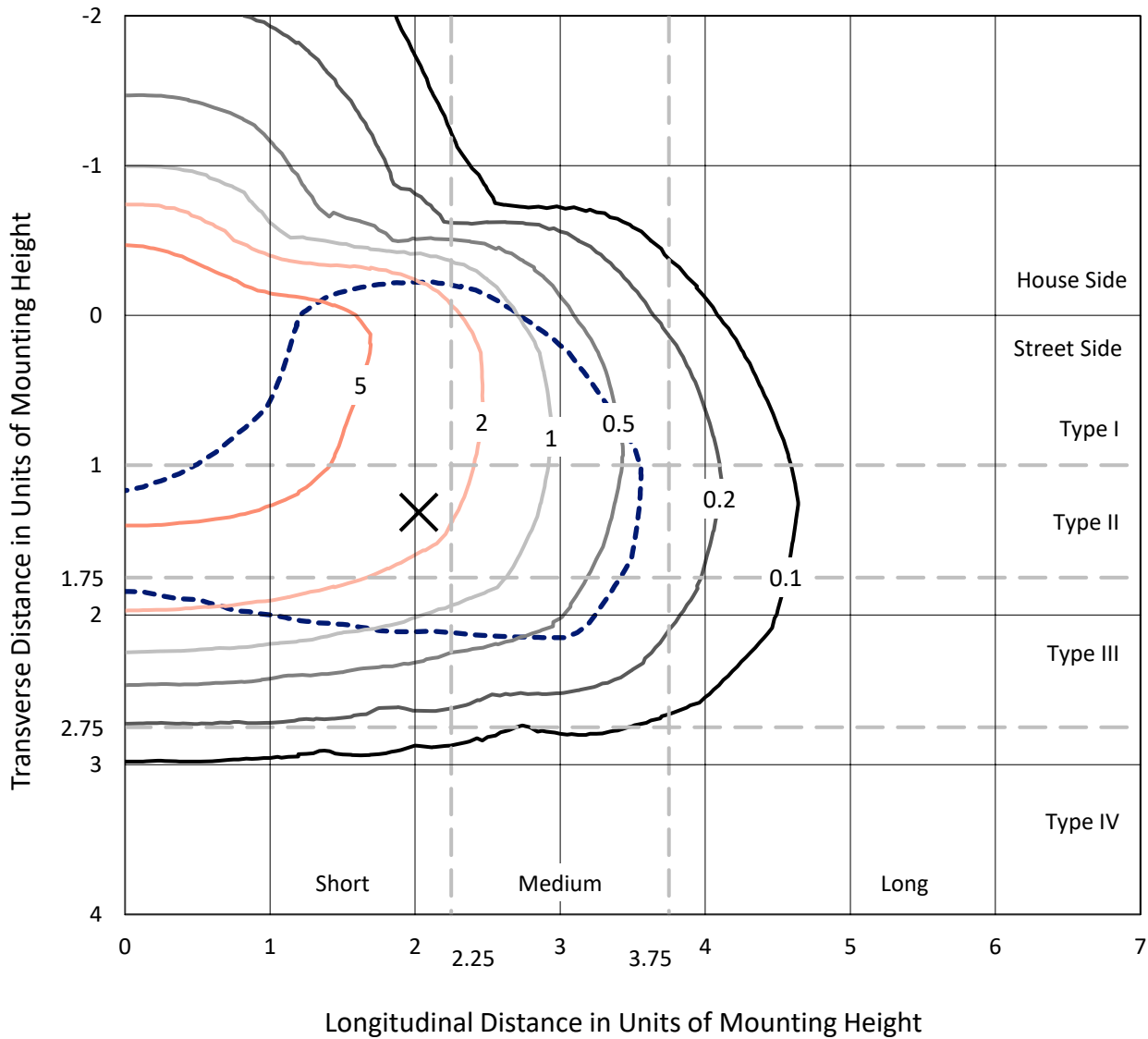


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### Iso-Footcandle Lines of Horizontal Illumination

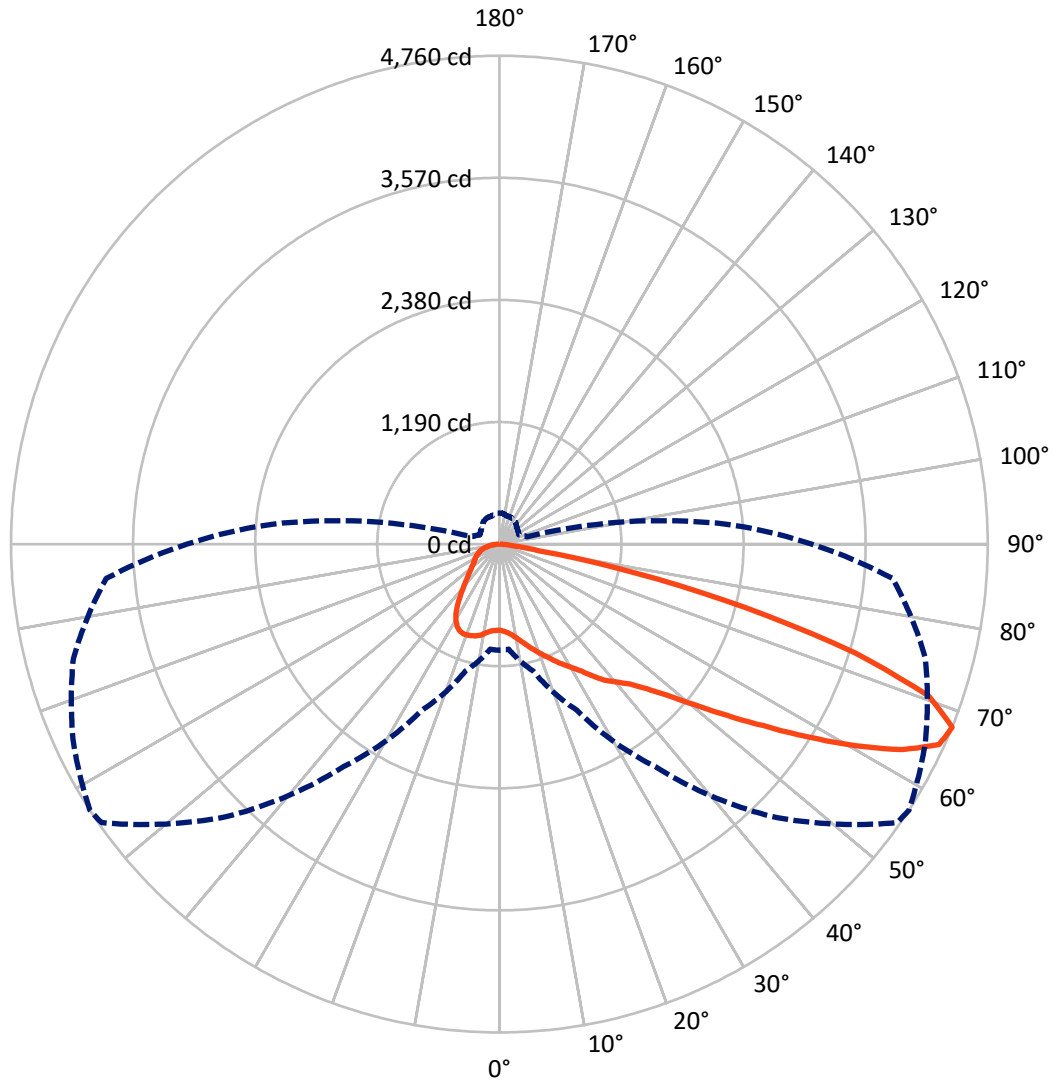
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1531.8	0.0	1531.8
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	5435.5	0.0	5435.5
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	6967.3	0.0	6967.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.3	1.2
10°-20°	275.6	4.0
20°-30°	491.4	7.1
30°-40°	714.5	10.3
40°-50°	1034.1	14.8
50°-60°	1618.3	23.2
60°-70°	1887.8	27.1
70°-80°	788.0	11.3
80°-90°	74.4	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°	6967.3	100.0
0°-180°	6967.3	100.0

**Coefficient of Utilization**



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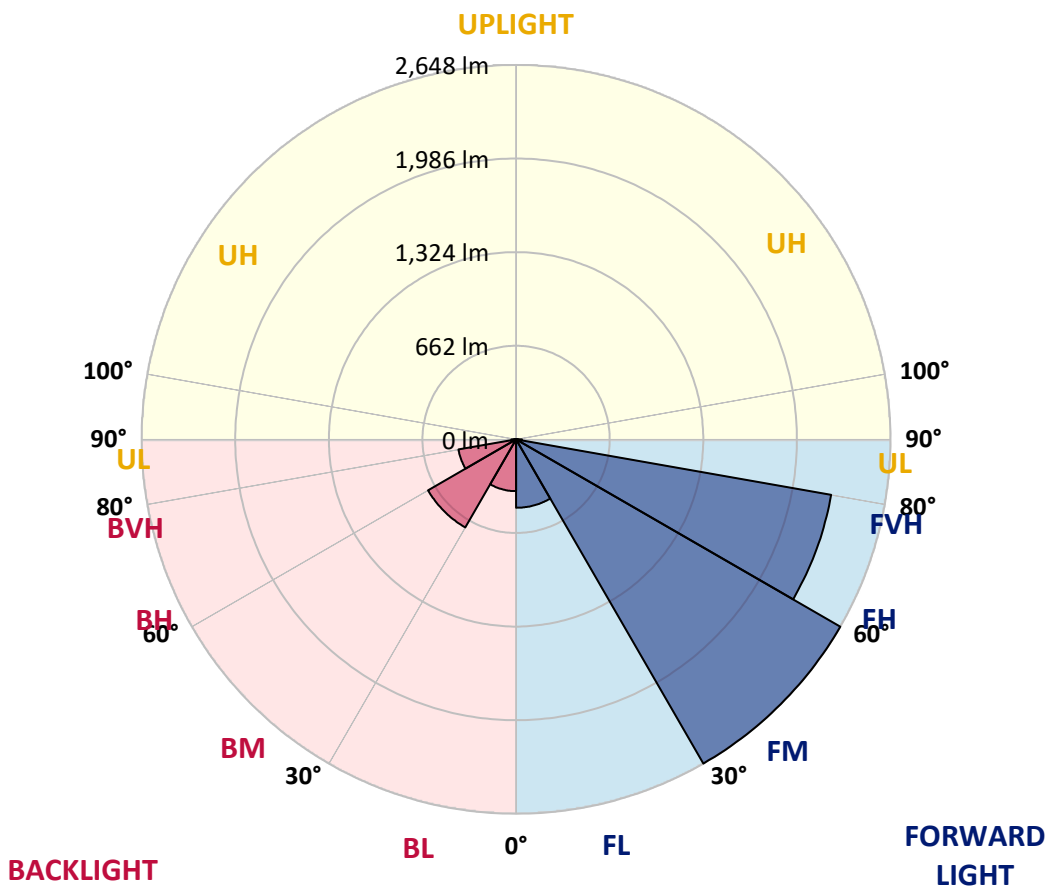
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	483.9	6.9			
FM (30°-60°)	2647.7	38.0			
FH (60°-80°)	2262.4	32.5			G2/5000
FVH (80°-90°)	41.4	0.6			G1/100
BL (0°-30°)	366.4	5.3	B1/500		
BM (30°-60°)	719.1	10.3	B1/1000		
BH (60°-80°)	413.5	5.9	B1/500		G1/500
BVH (80°-90°)	32.9	0.5			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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5
2.5°	851.5	850.5	850.0	853.0	852.0	851.5	851.5	851.0	850.0	846.0	840.5
5°	874.9	873.0	871.0	873.5	871.5	869.5	869.0	868.0	864.5	858.5	850.0
7.5°	899.4	897.4	897.9	899.4	897.9	896.9	895.4	894.4	888.9	879.4	868.0
10°	933.8	933.8	934.8	936.3	936.8	935.3	932.3	930.9	924.4	912.4	896.4
12.5°	983.8	982.8	982.8	981.8	983.3	981.8	978.8	976.3	968.3	952.8	929.9
15°	1049.6	1045.6	1042.2	1035.7	1033.7	1028.2	1029.2	1027.7	1020.2	999.2	970.3
17.5°	1120.0	1119.5	1114.0	1101.0	1088.1	1079.1	1081.1	1080.6	1076.6	1048.1	1011.2
20°	1181.9	1184.4	1179.4	1169.4	1152.0	1135.0	1134.0	1136.5	1131.5	1103.0	1051.6
22.5°	1251.3	1249.3	1244.3	1231.3	1218.3	1200.4	1194.4	1192.4	1190.4	1157.9	1093.1
25°	1317.2	1323.2	1316.7	1304.7	1284.7	1265.3	1260.3	1262.3	1256.8	1213.8	1137.5
27.5°	1400.5	1403.0	1399.0	1382.5	1365.6	1338.1	1328.6	1328.6	1326.6	1266.3	1172.4
30°	1489.4	1496.3	1489.4	1475.9	1458.4	1419.0	1398.5	1396.5	1390.5	1320.2	1213.3
32.5°	1578.7	1583.7	1578.7	1565.7	1545.8	1511.3	1481.9	1477.4	1469.4	1379.1	1255.3
35°	1658.1	1662.6	1661.6	1664.6	1648.1	1604.7	1586.7	1584.7	1563.7	1455.9	1312.2
37.5°	1744.9	1750.4	1742.9	1748.9	1742.4	1701.5	1696.0	1686.0	1656.1	1528.3	1372.1
40°	1843.7	1848.7	1836.7	1839.2	1831.8	1808.8	1780.8	1767.4	1722.9	1606.7	1466.4
42.5°	1949.5	1961.0	1966.5	1962.0	1944.6	1931.6	1882.7	1865.7	1828.8	1747.9	1621.6
45°	2102.8	2119.7	2127.7	2116.2	2108.8	2090.3	2030.4	2009.9	1990.5	1947.0	1838.2
47.5°	2268.0	2283.5	2308.9	2313.9	2319.9	2305.9	2221.6	2201.6	2205.1	2200.1	2104.8
50°	2399.7	2412.7	2470.1	2531.5	2582.4	2586.4	2478.6	2457.1	2476.1	2492.1	2425.7
52.5°	2495.6	2507.1	2582.9	2709.7	2825.0	2910.3	2794.0	2769.6	2785.1	2821.0	2790.6
55°	2573.4	2589.4	2668.8	2863.4	3096.5	3231.3	3156.9	3126.0	3119.5	3163.9	3181.4
57.5°	2614.4	2619.4	2730.7	2983.7	3295.7	3546.2	3578.7	3543.7	3481.8	3506.3	3597.1
60°	2521.0	2529.5	2681.7	3014.7	3452.9	3858.7	4021.4	3992.4	3860.7	3874.1	3974.5
62.5°	2263.0	2275.0	2458.1	2867.4	3465.9	4067.3	4430.1	4411.7	4235.0	4162.1	4192.1
65°	1815.3	1819.3	2008.9	2503.1	3207.8	4093.2	4715.1	4710.7	4496.5	4325.8	4197.6
67.5°	1035.2	1028.2	1281.7	1785.3	2647.3	3755.8	4733.6	4760.1	4581.4	4298.9	3848.2
70°	448.7	449.7	566.5	880.9	1713.5	3035.6	4396.7	4442.1	4335.8	3850.2	3061.6
72.5°	207.6	210.6	261.0	381.3	731.7	1883.2	3585.1	3626.1	3534.7	3081.5	2227.6
75°	146.7	149.2	174.2	218.6	336.4	733.7	2398.2	2484.1	2528.5	2304.9	1467.9
77.5°	111.3	114.8	127.3	151.7	207.6	260.0	1147.5	1352.1	1610.6	1434.0	756.2
80°	70.9	70.9	84.4	101.3	126.8	135.3	331.4	392.8	788.1	591.0	297.0
82.5°	47.9	49.4	57.4	64.4	72.9	76.9	142.2	151.7	227.6	201.1	122.3
85°	25.5	26.5	29.9	29.4	34.9	30.4	59.9	59.4	83.4	91.3	46.4
87.5°	0.0	0.0	0.5	0.5	1.0	1.5	6.5	7.0	17.5	28.0	15.5
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°	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5
2.5°	843.5	837.5	840.5	839.5	842.5	842.5	837.0	835.5	836.0	830.0	828.0
5°	851.0	844.0	845.5	843.5	846.5	849.0	846.5	846.5	849.5	845.0	842.5
7.5°	868.0	860.0	860.0	857.5	861.0	863.0	861.0	864.0	869.5	865.0	862.5
10°	894.9	885.4	885.9	882.9	884.4	883.4	875.4	873.0	874.5	870.5	868.5
12.5°	929.9	916.9	916.9	910.9	907.4	896.9	880.4	874.5	875.4	872.0	870.5
15°	963.3	951.3	948.8	936.8	920.9	901.4	886.4	882.4	883.4	879.9	877.4
17.5°	1002.7	987.3	978.3	956.3	926.9	906.9	891.9	882.4	874.5	866.5	864.5
20°	1039.2	1019.7	1003.2	969.3	933.3	905.9	877.9	854.5	835.0	824.5	822.0
22.5°	1076.6	1051.6	1022.7	978.3	932.8	887.9	836.5	801.1	772.1	756.7	759.7
25°	1112.0	1080.6	1041.2	986.8	916.9	848.0	778.1	725.2	692.3	680.3	676.8
27.5°	1141.5	1102.5	1058.1	982.8	883.9	790.6	698.3	639.4	607.4	593.9	590.5
30°	1174.4	1130.5	1082.6	964.3	832.0	710.2	607.9	560.0	537.0	524.1	524.6
32.5°	1212.4	1166.4	1117.0	928.9	765.6	623.4	533.6	500.6	482.1	469.2	467.2
35°	1263.3	1217.8	1140.0	875.4	681.3	543.5	482.6	455.7	432.7	415.8	412.3
37.5°	1326.1	1295.2	1142.5	804.1	591.0	488.6	446.2	417.3	389.3	366.8	364.4
40°	1434.0	1398.5	1122.0	714.7	514.1	453.2	415.8	382.3	349.9	324.9	321.4
42.5°	1587.7	1514.8	1078.1	613.9	456.2	425.2	386.8	344.4	311.4	294.0	291.5
45°	1783.3	1644.6	1012.2	519.1	413.3	397.8	356.4	311.9	294.5	282.0	279.5
47.5°	2022.9	1795.8	936.3	445.2	379.8	372.8	325.4	301.0	285.5	275.0	272.5
50°	2309.4	1988.5	874.0	387.3	349.9	343.9	315.4	294.5	282.0	273.5	271.5
52.5°	2636.3	2202.6	843.5	345.9	323.9	317.9	311.9	293.0	282.5	276.0	273.5
55°	2975.7	2428.2	815.1	313.9	302.0	305.5	312.4	298.0	290.0	281.5	279.0
57.5°	3303.6	2639.8	745.2	289.0	286.0	299.5	314.9	303.0	293.5	285.0	282.0
60°	3529.7	2755.6	626.9	269.0	274.0	292.0	308.5	295.5	283.5	280.0	278.5
62.5°	3590.6	2741.6	486.6	248.6	259.5	275.5	291.5	283.0	270.5	276.0	276.5
65°	3448.4	2591.9	365.4	228.6	240.6	254.0	274.0	270.5	266.0	281.0	281.5
67.5°	3045.6	2224.1	278.5	211.1	221.1	237.6	268.5	283.0	284.0	303.0	301.0
70°	2304.4	1661.6	218.1	194.7	206.1	237.6	286.0	292.5	280.5	298.0	294.0
72.5°	1593.2	1096.6	185.7	180.2	187.7	226.6	285.5	285.5	272.5	272.5	265.0
75°	989.7	644.9	161.7	161.7	161.7	198.1	277.5	263.0	240.1	229.6	223.6
77.5°	488.6	313.4	135.8	140.8	135.3	165.7	226.6	215.1	201.1	190.2	186.2
80°	208.6	156.7	109.8	115.3	108.8	124.8	179.7	177.2	163.7	149.2	144.7
82.5°	95.8	80.9	87.8	90.3	79.4	93.8	131.3	131.3	123.8	103.8	96.3
85°	40.9	42.9	60.9	60.9	49.9	52.9	70.4	66.9	59.9	48.9	44.9
87.5°	14.0	21.0	30.9	27.0	10.5	4.5	2.5	1.0	0.0	0.0	0.0
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)