

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: P630964

Luminaire Tested: GWS-SA1E-760-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630964
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-SA1E-760-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7650.2 lumens
Efficiency: N/A
Efficacy: 131.0 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

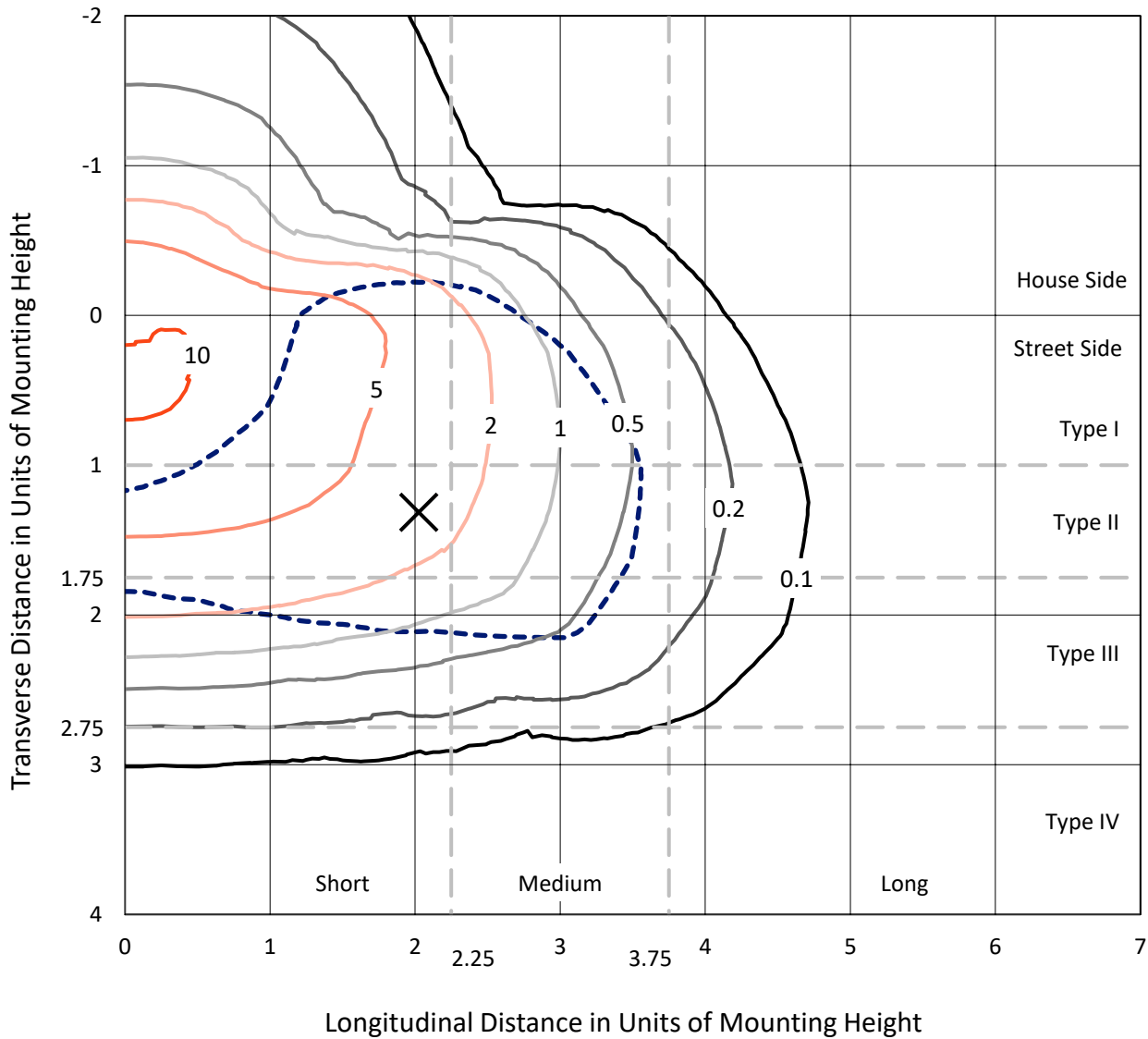
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

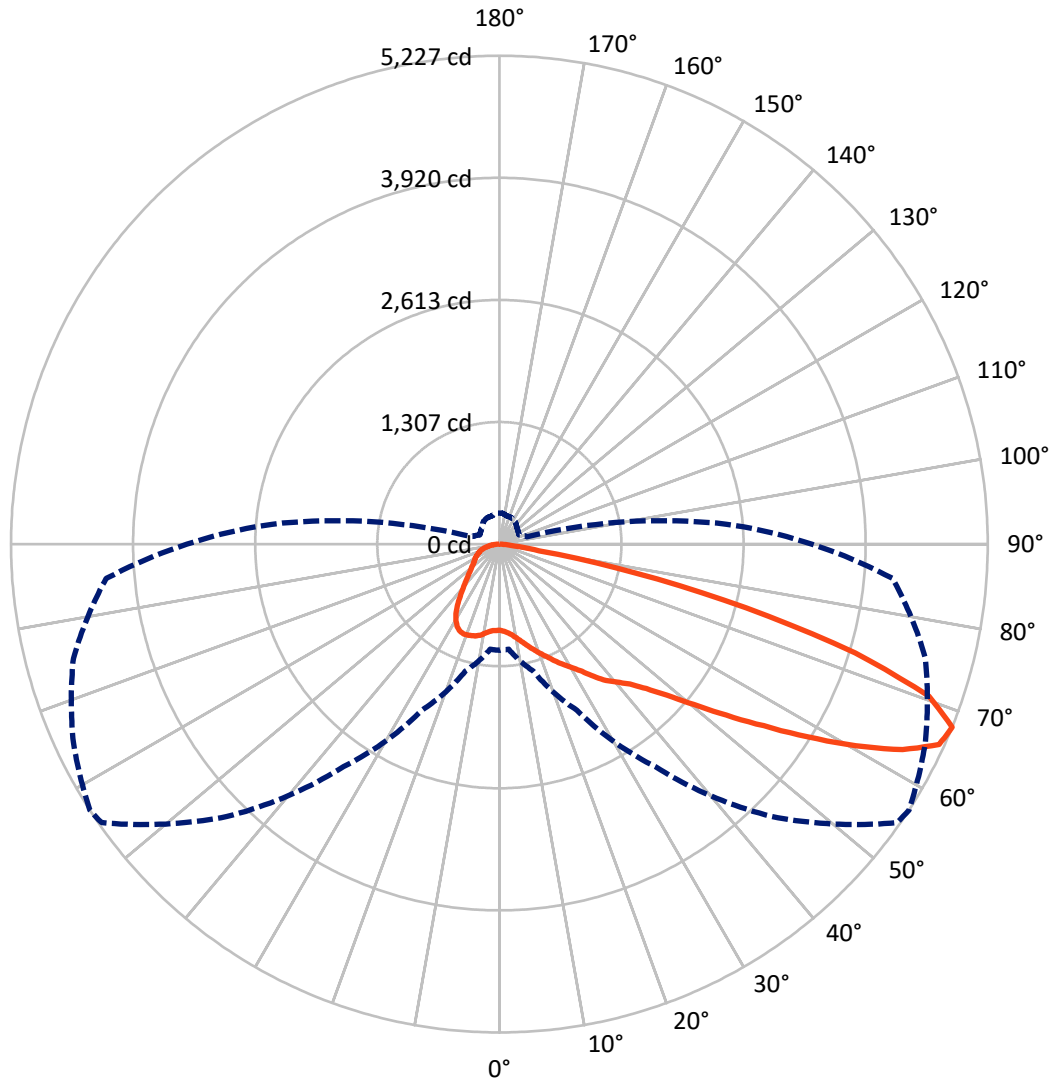
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 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
House Side	Lumens	1682.0	0.0	1682.0
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	5968.2	0.0	5968.2
	% Fixture	78.0	0.0	78.0
Total	Lumens	7650.2	0.0	7650.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.4	1.2
10°-20°	302.7	4.0
20°-30°	539.6	7.1
30°-40°	784.5	10.3
40°-50°	1135.4	14.8
50°-60°	1776.9	23.2
60°-70°	2072.8	27.1
70°-80°	865.3	11.3
80°-90°	81.7	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°	7650.2	100.0
0°-180°	7650.2	100.0

Coefficient of Utilization



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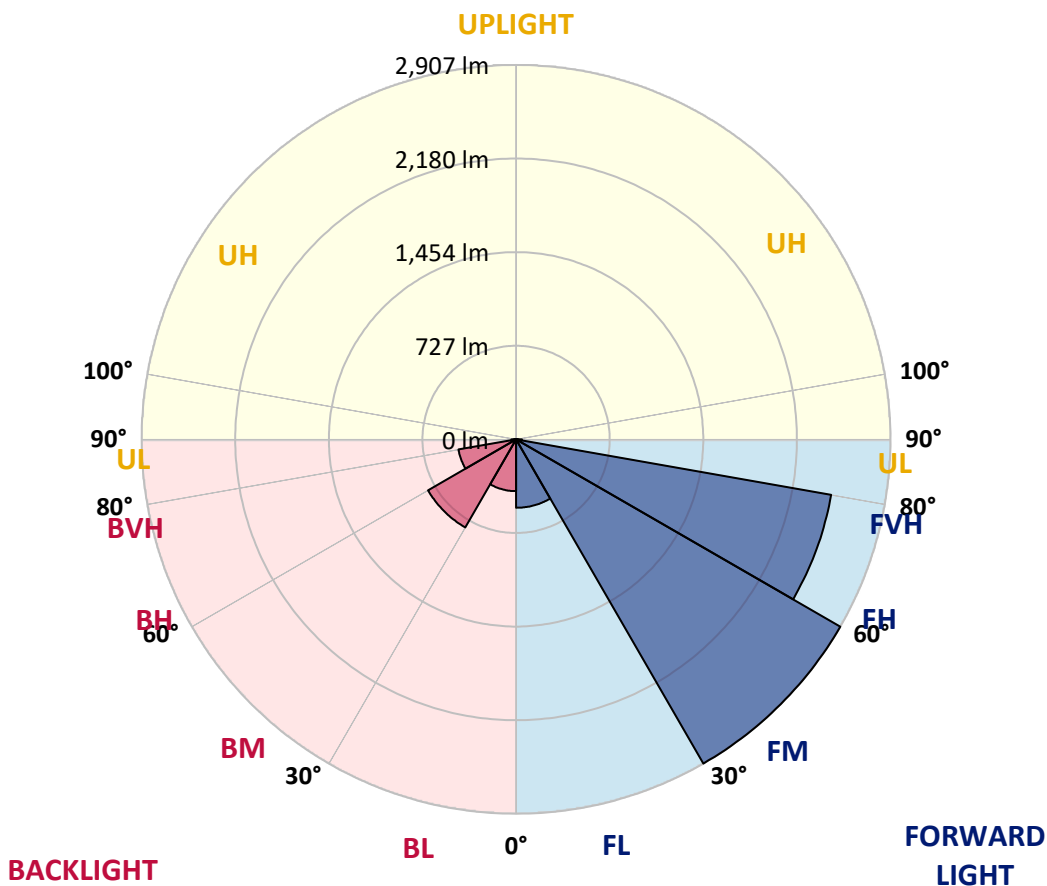
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	531.4	6.9			
FM (30°-60°)	2907.2	38.0			
FH (60°-80°)	2484.2	32.5			G2/5000
FVH (80°-90°)	45.5	0.6			G1/100
BL (0°-30°)	402.3	5.3	B1/500		
BM (30°-60°)	789.6	10.3	B1/1000		
BH (60°-80°)	454.0	5.9	B1/500		G1/500
BVH (80°-90°)	36.2	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°	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8
2.5°	934.9	933.9	933.3	936.6	935.5	934.9	934.9	934.4	933.3	928.9	922.9
5°	960.7	958.5	956.3	959.1	956.9	954.7	954.1	953.0	949.2	942.6	933.3
7.5°	987.6	985.4	985.9	987.6	985.9	984.8	983.2	982.1	976.1	965.6	953.0
10°	1025.4	1025.4	1026.5	1028.1	1028.7	1027.0	1023.7	1022.1	1015.0	1001.8	984.3
12.5°	1080.2	1079.1	1079.1	1078.0	1079.6	1078.0	1074.7	1072.0	1063.2	1046.2	1021.0
15°	1152.5	1148.1	1144.3	1137.2	1135.0	1129.0	1130.1	1128.4	1120.2	1097.2	1065.4
17.5°	1229.8	1229.2	1223.2	1209.0	1194.7	1184.9	1187.0	1186.5	1182.1	1150.9	1110.3
20°	1297.7	1300.5	1295.0	1284.0	1264.9	1246.2	1245.1	1247.9	1242.4	1211.2	1154.7
22.5°	1373.9	1371.7	1366.3	1352.0	1337.8	1318.0	1311.5	1309.3	1307.1	1271.4	1200.2
25°	1446.3	1452.8	1445.7	1432.6	1410.6	1389.3	1383.8	1386.0	1380.0	1332.8	1249.0
27.5°	1537.8	1540.5	1536.1	1518.1	1499.4	1469.3	1458.9	1458.9	1456.7	1390.4	1287.3
30°	1635.3	1643.0	1635.3	1620.5	1601.4	1558.1	1535.6	1533.4	1526.8	1449.6	1332.3
32.5°	1733.4	1738.9	1733.4	1719.2	1697.3	1659.5	1627.1	1622.2	1613.4	1514.2	1378.3
35°	1820.6	1825.5	1824.4	1827.7	1809.6	1761.9	1742.2	1740.0	1717.0	1598.6	1440.8
37.5°	1915.9	1922.0	1913.7	1920.3	1913.2	1868.3	1862.2	1851.3	1818.4	1678.1	1506.6
40°	2024.4	2029.9	2016.8	2019.5	2011.3	1986.1	1955.4	1940.6	1891.8	1764.1	1610.1
42.5°	2140.6	2153.2	2159.3	2154.3	2135.1	2120.9	2067.2	2048.6	2008.0	1919.2	1780.6
45°	2308.9	2327.5	2336.3	2323.7	2315.5	2295.2	2229.4	2206.9	2185.6	2137.9	2018.4
47.5°	2490.3	2507.3	2535.2	2540.7	2547.3	2531.9	2439.3	2417.4	2421.2	2415.7	2311.1
50°	2635.0	2649.2	2712.2	2779.6	2835.5	2839.9	2721.5	2698.0	2718.8	2736.3	2663.5
52.5°	2740.2	2752.8	2836.1	2975.3	3101.9	3195.6	3067.9	3041.1	3058.0	3097.5	3064.1
55°	2825.7	2843.2	2930.3	3144.1	3400.0	3548.0	3466.3	3432.4	3425.2	3474.0	3493.2
57.5°	2870.6	2876.1	2998.3	3276.2	3618.7	3893.8	3929.4	3891.1	3823.1	3850.0	3949.7
60°	2768.1	2777.4	2944.6	3310.1	3791.3	4236.9	4415.5	4383.7	4239.1	4253.9	4364.0
62.5°	2484.8	2497.9	2699.1	3148.5	3805.6	4465.9	4864.4	4844.1	4650.1	4570.1	4603.0
65°	1993.2	1997.6	2205.8	2748.4	3522.2	4494.4	5177.3	5172.4	4937.3	4749.8	4609.0
67.5°	1136.6	1129.0	1407.4	1960.3	2906.8	4124.0	5197.6	5226.6	5030.4	4720.2	4225.4
70°	492.7	493.8	622.0	967.3	1881.4	3333.2	4827.7	4877.5	4760.8	4227.6	3361.7
72.5°	228.0	231.3	286.6	418.7	803.4	2067.7	3936.5	3981.5	3881.2	3383.6	2445.9
75°	161.1	163.9	191.3	240.0	369.4	805.6	2633.3	2727.6	2776.4	2530.8	1611.8
77.5°	122.2	126.0	139.7	166.6	228.0	285.5	1259.9	1484.6	1768.5	1574.5	830.3
80°	77.8	77.8	92.6	111.3	139.2	148.5	363.9	431.3	865.3	648.9	326.1
82.5°	52.6	54.3	63.0	70.7	80.0	84.4	156.2	166.6	249.9	220.9	134.3
85°	27.9	29.0	32.9	32.3	38.4	33.4	65.8	65.2	91.5	100.3	51.0
87.5°	0.0	0.0	0.5	0.5	1.1	1.6	7.1	7.7	19.2	30.7	17.0
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°	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8	921.8
2.5°	926.2	919.6	922.9	921.8	925.1	925.1	919.1	917.4	918.0	911.4	909.2
5°	934.4	926.7	928.4	926.2	929.5	932.2	929.5	929.5	932.8	927.8	925.1
7.5°	953.0	944.3	944.3	941.5	945.4	947.6	945.4	948.7	954.7	949.7	947.0
10°	982.6	972.2	972.8	969.5	971.1	970.0	961.3	958.5	960.2	955.8	953.6
12.5°	1021.0	1006.7	1006.7	1000.2	996.3	984.8	966.7	960.2	961.3	957.4	955.8
15°	1057.7	1044.6	1041.8	1028.7	1011.1	989.8	973.3	968.9	970.0	966.2	963.4
17.5°	1101.0	1084.0	1074.2	1050.0	1017.7	995.8	979.3	968.9	960.2	951.4	949.2
20°	1141.0	1119.6	1101.6	1064.3	1024.8	994.7	964.0	938.2	916.9	905.4	902.6
22.5°	1182.1	1154.7	1122.9	1074.2	1024.3	975.0	918.5	879.6	847.8	830.8	834.1
25°	1221.0	1186.5	1143.2	1083.5	1006.7	931.1	854.4	796.3	760.1	747.0	743.1
27.5°	1253.4	1210.6	1161.8	1079.1	970.6	868.1	766.7	702.0	667.0	652.2	648.3
30°	1289.5	1241.3	1188.7	1058.8	913.6	779.9	667.5	614.9	589.7	575.4	576.0
32.5°	1331.2	1280.8	1226.5	1019.9	840.7	684.5	585.9	549.7	529.4	515.2	513.0
35°	1387.1	1337.2	1251.7	961.3	748.1	596.8	530.0	500.4	475.1	456.5	452.7
37.5°	1456.1	1422.2	1254.5	882.9	648.9	536.5	489.9	458.2	427.5	402.8	400.1
40°	1574.5	1535.6	1232.0	784.8	564.5	497.6	456.5	419.8	384.2	356.8	352.9
42.5°	1743.3	1663.3	1183.8	674.1	500.9	466.9	424.7	378.1	342.0	322.8	320.1
45°	1958.1	1805.8	1111.4	570.0	453.8	436.8	391.3	342.5	323.3	309.6	306.9
47.5°	2221.2	1971.8	1028.1	488.8	417.1	409.4	357.3	330.5	313.5	302.0	299.2
50°	2535.8	2183.4	959.6	425.3	384.2	377.6	346.4	323.3	309.6	300.3	298.1
52.5°	2894.7	2418.5	926.2	379.8	355.7	349.1	342.5	321.7	310.2	303.1	300.3
55°	3267.4	2666.2	894.9	344.7	331.6	335.4	343.1	327.2	318.4	309.1	306.4
57.5°	3627.5	2898.6	818.2	317.3	314.0	328.8	345.8	332.7	322.2	312.9	309.6
60°	3875.7	3025.7	688.3	295.4	300.9	320.6	338.7	324.4	311.3	307.4	305.8
62.5°	3942.6	3010.4	534.3	272.9	285.0	302.5	320.1	310.7	297.0	303.1	303.6
65°	3786.4	2846.0	401.2	251.0	264.2	279.0	300.9	297.0	292.1	308.5	309.1
67.5°	3344.1	2442.0	305.8	231.8	242.8	260.9	294.8	310.7	311.8	332.7	330.5
70°	2530.3	1824.4	239.5	213.7	226.3	260.9	314.0	321.1	308.0	327.2	322.8
72.5°	1749.3	1204.0	203.9	197.8	206.1	248.8	313.5	313.5	299.2	299.2	291.0
75°	1086.8	708.1	177.6	177.6	177.6	217.6	304.7	288.8	263.6	252.1	245.5
77.5°	536.5	344.2	149.1	154.5	148.5	181.9	248.8	236.2	220.9	208.8	204.4
80°	229.1	172.1	120.6	126.6	119.5	137.0	197.3	194.6	179.8	163.9	158.9
82.5°	105.2	88.8	96.5	99.2	87.1	103.0	144.1	144.1	135.9	114.0	105.8
85°	44.9	47.1	66.9	66.9	54.8	58.1	77.3	73.4	65.8	53.7	49.3
87.5°	15.3	23.0	34.0	29.6	11.5	4.9	2.7	1.1	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)