

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: P630850

Luminaire Tested: GWS-SA1E-740-U-T2R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630850  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-740-U-T2R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7726.7 lumens  
Efficiency: N/A  
Efficacy: 132.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
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

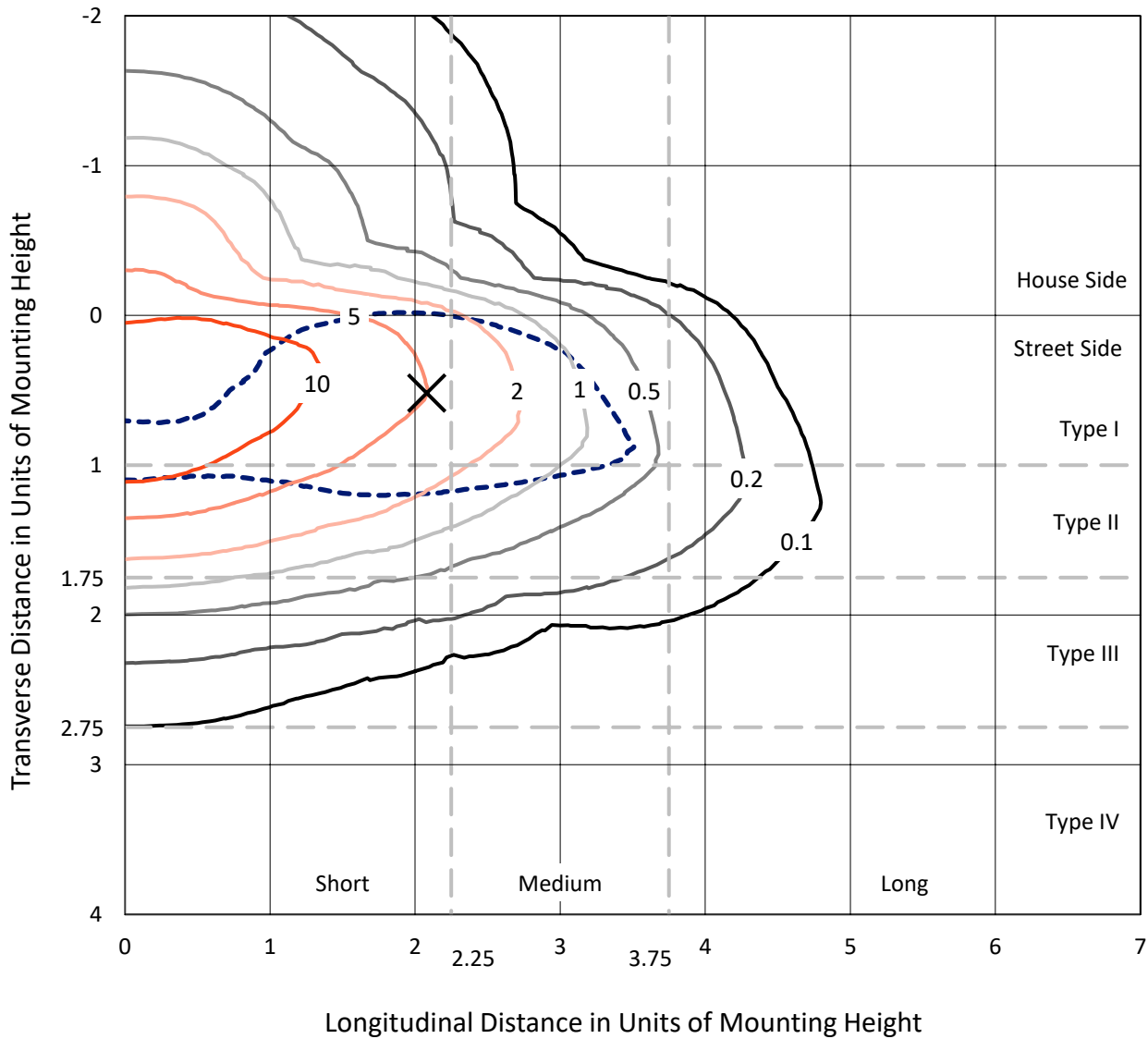


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### Iso-Footcandle Lines of Horizontal Illumination

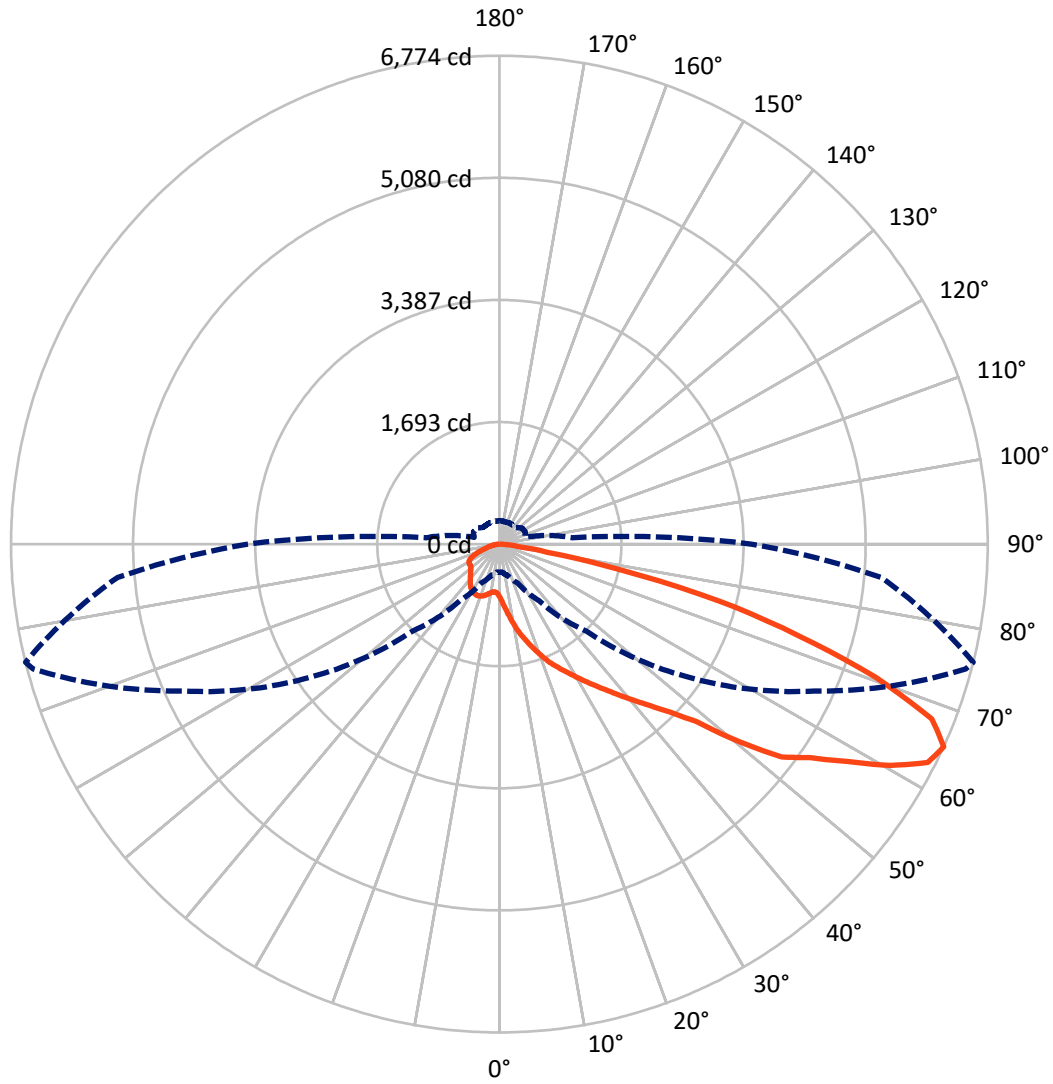
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1291.5	0.0	1291.5
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	6435.2	0.0	6435.2
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	7726.7	0.0	7726.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.9	1.1
10°-20°	331.1	4.3
20°-30°	645.3	8.4
30°-40°	1079.2	14.0
40°-50°	1545.2	20.0
50°-60°	1829.3	23.7
60°-70°	1521.1	19.7
70°-80°	622.5	8.1
80°-90°	66.3	0.9
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°	7726.7	100.0
0°-180°	7726.7	100.0

**Coefficient of Utilization**



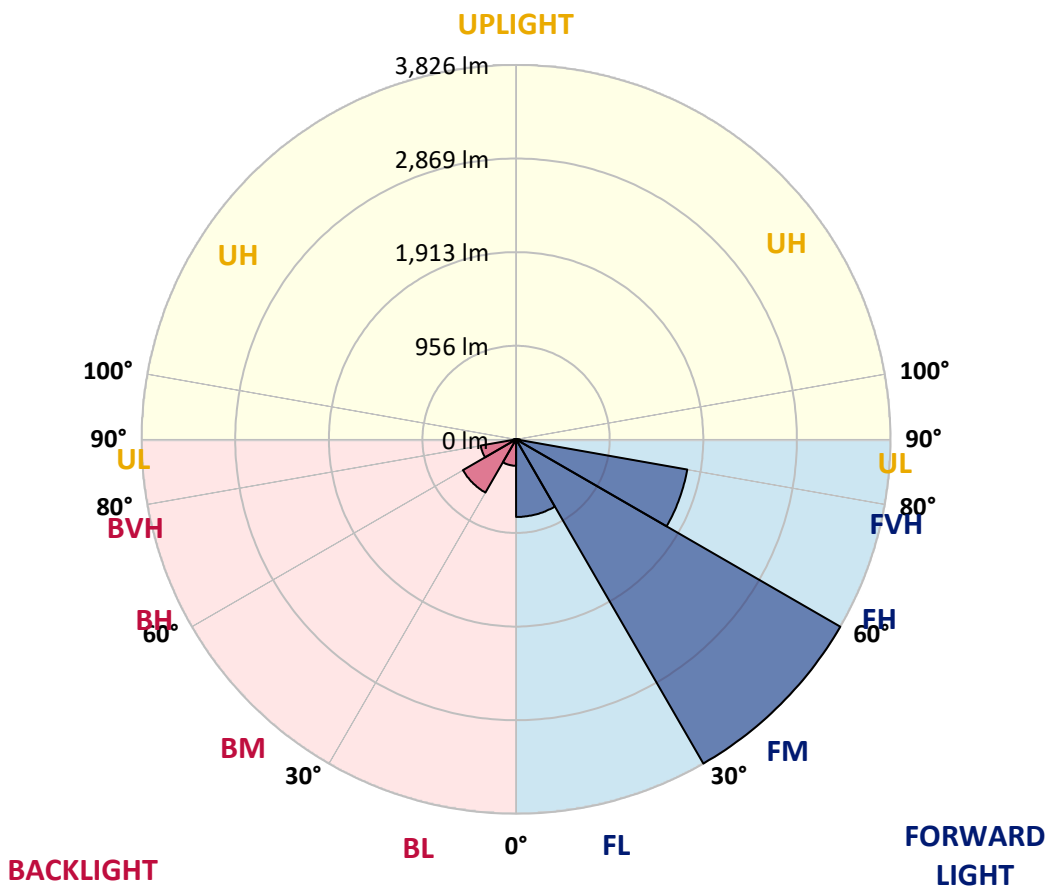
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	793.1	10.3			
FM (30°-60°)	3826.0	49.5			
FH (60°-80°)	1776.6	23.0			G1/1800
FVH (80°-90°)	39.5	0.5			G1/100
BL (0°-30°)	270.2	3.5	B1/500		
BM (30°-60°)	627.7	8.1	B1/1000		
BH (60°-80°)	366.9	4.7	B1/500		G1/500
BVH (80°-90°)	26.7	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-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	731.7	731.7	731.7	731.7	731.7	731.7	731.7	731.7	731.7	731.7	731.7
2.5°	1025.6	1029.4	1016.9	1012.5	983.2	943.5	910.4	860.4	814.3	807.2	765.9
5°	1302.6	1286.3	1272.2	1262.9	1222.2	1177.1	1107.0	1013.1	914.7	902.8	813.7
7.5°	1467.2	1464.5	1447.1	1441.7	1410.1	1365.1	1292.8	1176.0	1033.2	1013.6	878.4
10°	1599.2	1597.6	1588.9	1593.7	1565.0	1521.0	1450.9	1330.3	1163.0	1143.4	950.6
12.5°	1714.3	1717.1	1715.4	1733.4	1718.7	1684.5	1611.7	1479.1	1292.8	1271.6	1038.6
15°	1798.5	1800.7	1808.9	1848.0	1856.1	1849.1	1775.2	1625.3	1421.0	1390.6	1129.3
17.5°	1822.4	1826.8	1846.3	1909.3	1953.3	1982.7	1927.8	1774.1	1547.0	1513.9	1221.7
20°	1854.5	1859.4	1878.9	1944.7	2009.3	2076.1	2066.3	1925.1	1674.1	1647.0	1315.1
22.5°	2002.8	1999.0	1990.3	2021.8	2068.0	2151.1	2175.5	2070.1	1805.6	1779.5	1418.3
25°	2288.5	2281.4	2226.0	2197.2	2182.0	2232.6	2276.0	2202.1	1933.8	1894.7	1514.4
27.5°	2603.6	2599.8	2529.1	2460.7	2367.3	2345.5	2371.1	2317.3	2058.2	2018.5	1598.1
30°	2901.8	2890.4	2816.5	2730.7	2605.7	2512.3	2474.8	2430.3	2194.5	2153.2	1695.9
32.5°	3168.5	3153.8	3066.9	2971.8	2840.9	2730.7	2618.8	2550.3	2348.8	2301.0	1795.8
35°	3387.4	3372.7	3283.6	3182.6	3038.7	2957.2	2804.0	2680.7	2505.8	2457.4	1913.7
37.5°	3556.9	3543.3	3450.4	3351.0	3225.5	3160.9	3027.8	2827.4	2686.7	2636.1	2038.6
40°	3651.9	3642.2	3567.7	3489.0	3383.6	3327.6	3267.9	3012.6	2889.3	2838.8	2185.8
42.5°	3680.7	3674.2	3622.1	3581.3	3510.2	3467.8	3502.0	3230.4	3105.5	3061.5	2351.5
45°	3608.5	3608.5	3593.3	3613.9	3617.2	3616.6	3736.7	3476.5	3371.1	3322.8	2585.1
47.5°	3423.8	3435.7	3458.0	3559.6	3666.6	3756.2	4011.0	3804.6	3712.8	3673.1	2915.9
50°	3085.9	3118.5	3194.6	3392.8	3620.4	3848.6	4270.6	4289.6	4377.1	4307.0	3402.6
52.5°	2591.1	2586.2	2780.1	3062.6	3409.7	3852.4	4413.5	4717.7	4952.9	4904.5	3764.4
55°	2059.3	2051.1	2232.0	2621.5	3086.5	3706.8	4499.3	4913.8	5272.3	5228.8	4089.8
57.5°	1576.9	1566.6	1727.4	2078.8	2630.2	3397.7	4483.0	5147.4	5711.7	5689.5	4531.9
60°	1085.3	1072.8	1223.3	1530.7	2090.2	2925.1	4302.7	5267.4	6226.2	6233.8	5005.0
62.5°	651.8	644.8	754.0	992.4	1503.6	2339.6	3880.6	5194.6	6635.7	6669.9	5309.2
65°	393.3	388.4	452.5	592.1	953.9	1707.3	3229.9	4822.5	6694.9	6773.7	5316.3
67.5°	286.3	286.8	305.3	360.7	556.2	1102.7	2423.8	4155.5	6386.4	6467.9	4981.1
70°	248.8	249.9	259.6	272.1	336.2	631.2	1575.8	3280.4	5474.4	5537.4	4177.7
72.5°	221.1	221.1	227.6	234.1	262.9	384.6	844.1	2292.8	4320.6	4337.4	3188.6
75°	194.5	192.8	196.1	199.4	228.1	268.9	410.7	1597.6	3191.3	3152.2	2060.9
77.5°	154.8	153.2	153.7	157.0	183.1	192.3	208.0	997.9	1798.5	1697.5	910.4
80°	110.3	109.2	115.2	123.3	135.3	117.9	130.4	482.9	713.2	663.8	353.1
82.5°	65.7	67.9	77.1	83.7	93.4	73.9	84.2	161.3	252.6	246.1	143.4
85°	9.2	9.8	27.7	32.0	40.2	28.8	44.5	72.8	101.0	108.1	50.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	13.0	28.8	29.3	12.5
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°	731.7	731.7	731.7	731.7	731.7	731.7	731.7	731.7	731.7	731.7	731.7
2.5°	744.7	719.2	682.8	652.4	626.9	606.2	588.8	575.8	572.0	566.6	566.6
5°	771.9	725.7	660.5	614.4	587.7	572.0	561.1	555.7	553.0	549.7	548.1
7.5°	809.4	744.7	656.7	610.0	589.4	579.6	572.5	569.3	567.1	563.8	563.8
10°	861.0	773.0	668.7	625.2	608.9	599.1	591.0	585.6	580.7	575.8	574.7
12.5°	916.9	809.9	690.4	645.9	628.5	616.5	605.1	597.0	591.0	585.0	583.4
15°	978.8	847.9	713.8	666.0	644.2	627.9	614.4	601.9	593.7	585.0	583.9
17.5°	1039.7	886.5	733.3	679.5	651.8	631.7	612.2	595.9	585.6	575.8	573.1
20°	1112.5	925.1	746.9	683.3	650.2	623.6	600.2	579.6	568.2	556.8	555.2
22.5°	1179.3	960.9	753.4	677.9	637.7	606.2	579.1	556.8	544.3	532.9	530.7
25°	1243.9	992.4	750.7	664.9	618.7	582.3	554.1	531.8	519.8	507.9	504.6
27.5°	1306.4	1013.6	739.8	644.8	594.8	555.7	528.5	508.4	498.1	487.8	483.4
30°	1367.8	1033.2	723.0	618.7	564.4	528.0	505.7	491.6	481.3	470.4	467.2
32.5°	1429.7	1047.3	697.5	588.3	533.4	503.5	490.0	479.6	468.8	457.9	454.7
35°	1492.2	1053.3	666.5	553.5	507.3	487.8	482.9	471.0	456.3	443.3	438.9
37.5°	1566.6	1058.7	627.9	519.3	484.5	480.2	479.1	461.2	443.8	425.9	421.0
40°	1656.2	1065.8	588.3	488.3	466.1	477.5	473.1	448.7	413.9	396.5	391.1
42.5°	1765.9	1078.8	547.0	460.1	452.5	467.2	462.3	418.3	394.9	385.1	382.4
45°	1927.3	1126.6	505.7	437.8	442.2	452.5	444.9	400.3	391.1	384.6	381.3
47.5°	2214.6	1199.9	469.9	421.0	434.0	439.4	410.1	395.4	388.4	379.7	375.9
50°	2513.4	1232.0	441.1	410.7	424.8	427.5	391.1	388.9	384.0	374.8	371.0
52.5°	2715.5	1227.6	423.7	406.9	417.2	406.9	382.4	381.9	378.6	367.7	363.4
55°	2943.6	1235.2	416.1	407.9	413.9	372.1	371.5	373.2	371.5	359.6	357.4
57.5°	3251.6	1258.6	412.3	411.7	411.7	355.3	361.2	363.4	360.1	354.7	353.1
60°	3547.6	1260.2	405.2	416.1	410.1	344.9	349.3	351.5	347.6	346.6	346.0
62.5°	3659.0	1182.0	389.5	412.8	403.6	333.5	336.8	337.9	334.1	336.8	336.2
65°	3493.3	1015.8	363.4	397.1	383.5	323.2	321.0	323.7	317.2	324.3	324.8
67.5°	3101.7	807.2	323.7	367.2	355.3	311.8	307.5	307.5	296.6	307.5	306.9
70°	2500.9	570.4	265.6	319.4	324.3	298.2	296.0	283.6	266.2	282.5	280.8
72.5°	1895.8	409.6	209.1	252.6	279.2	279.2	279.7	258.6	238.5	246.1	239.6
75°	1201.0	288.4	167.3	193.4	218.9	245.0	257.5	218.4	200.4	197.2	193.9
77.5°	541.0	189.6	130.4	148.3	155.4	193.4	235.2	187.9	163.5	156.4	154.3
80°	226.5	117.9	92.9	104.8	95.6	162.4	207.5	146.1	120.0	110.3	103.2
82.5°	99.4	70.1	59.2	56.5	59.8	120.6	154.8	97.2	75.0	101.6	102.7
85°	41.8	36.9	30.4	27.7	24.4	46.2	72.8	38.0	46.7	26.6	21.7
87.5°	9.8	10.9	8.1	5.4	3.3	0.5	0.0	0.0	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)