

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: P630930

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630930
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-45)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-760-U-AFL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7785 lumens
Efficiency: N/A
Efficacy: 133.3 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

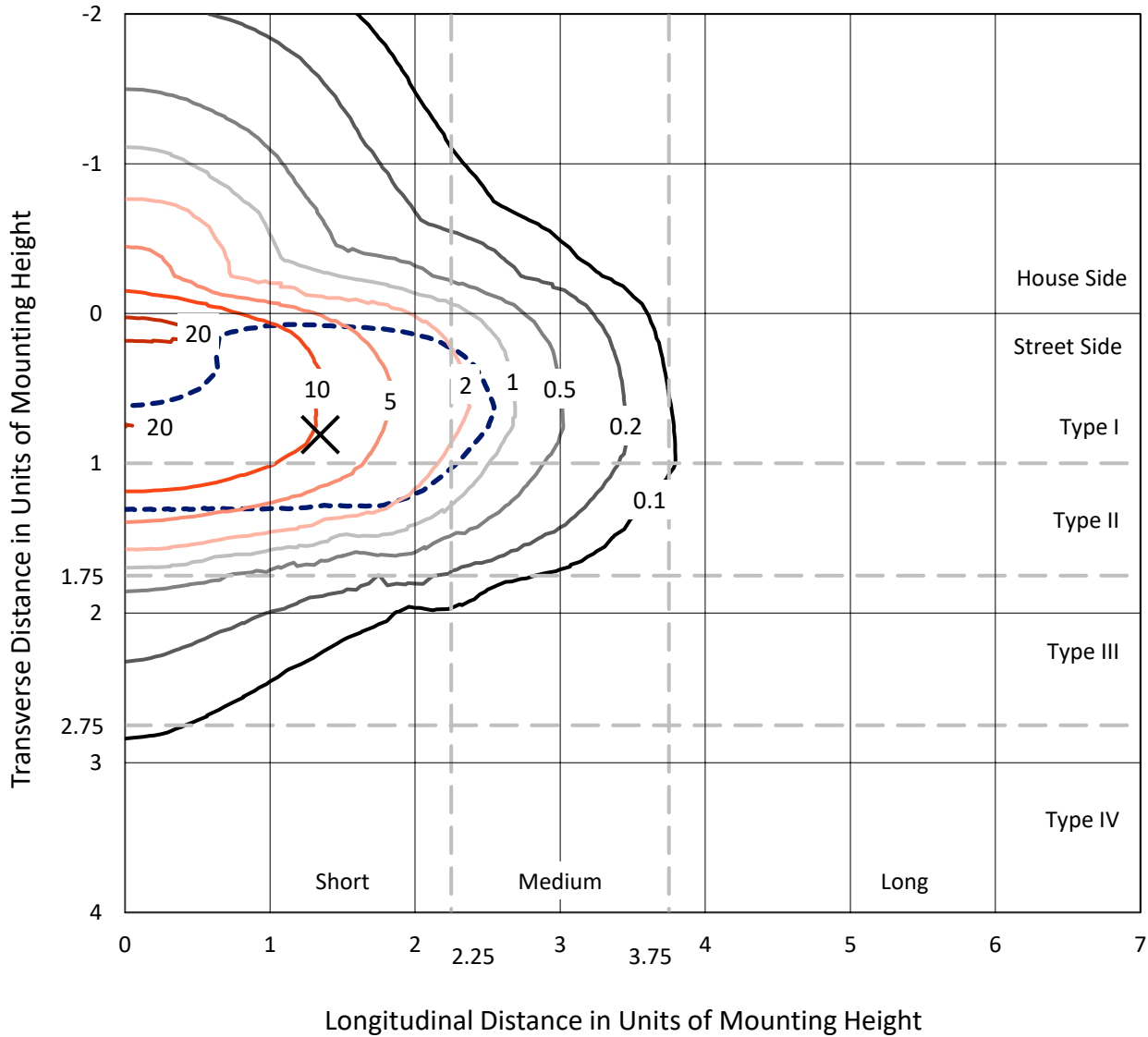
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630930
 CATALOG NUMBER: GWS-SA1E-760-U-AFL-W

Iso-Footcandle Lines of Horizontal Illumination

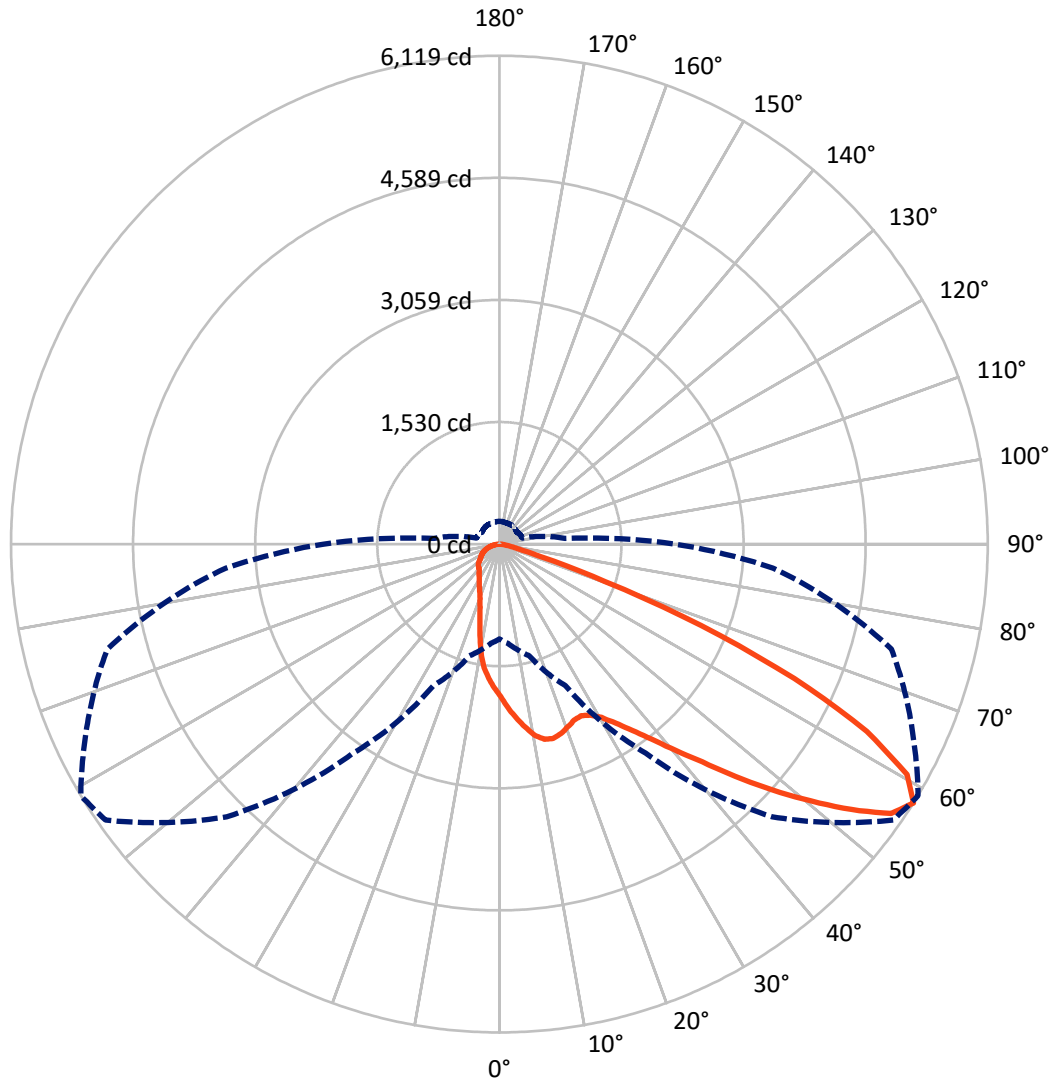
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.4 fc
 Type II - Short - N/A

REPORT NUMBER: P630930
CATALOG NUMBER: GWS-SA1E-760-U-AFL-W

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P630930

CATALOG NUMBER: GWS-SA1E-760-U-AFL-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1208.2	0.0	1208.2
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	6576.8	0.0	6576.8
	% Fixture	84.5	0.0	84.5
Total	Lumens	7785.0	0.0	7785.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.4	2.3
10°-20°	449.6	5.8
20°-30°	728.9	9.4
30°-40°	1172.5	15.1
40°-50°	1820.8	23.4
50°-60°	1961.2	25.2
60°-70°	1138.2	14.6
70°-80°	297.1	3.8
80°-90°	39.1	0.5
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°	7785.0	100.0
0°-180°	7785.0	100.0

Coefficient of Utilization



REPORT NUMBER: P630930

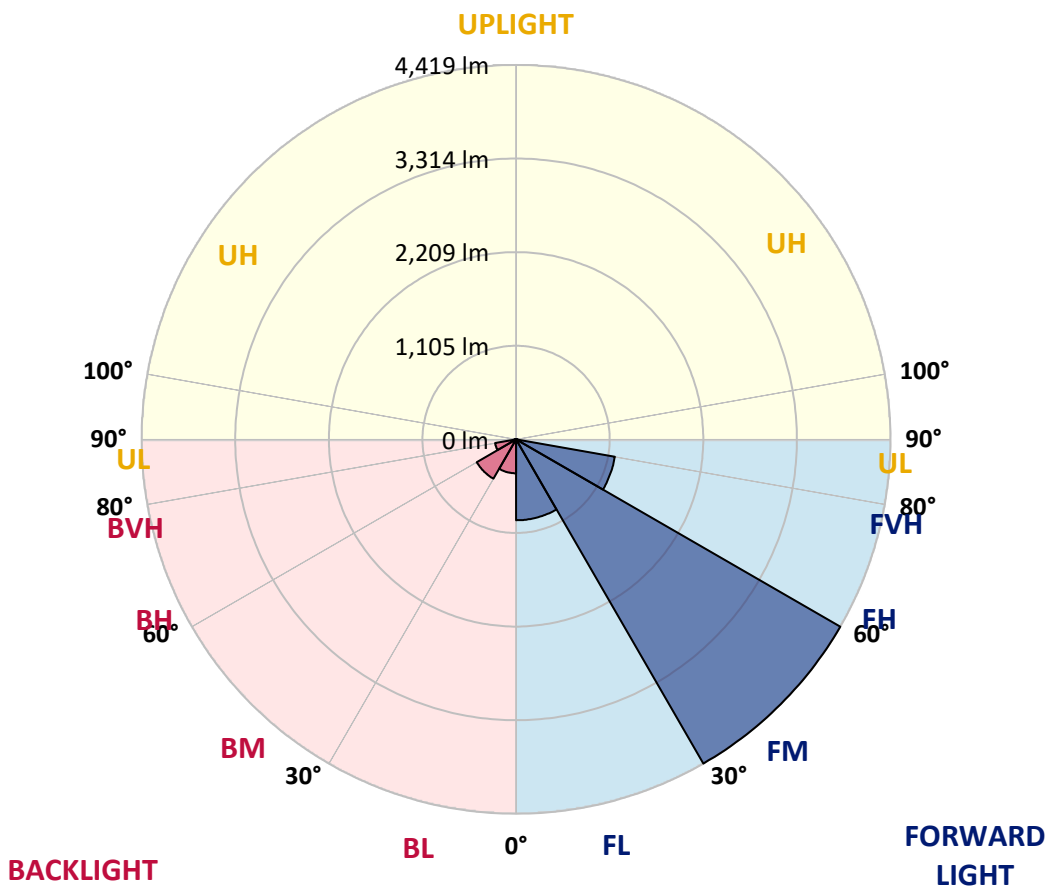
CATALOG NUMBER: GWS-SA1E-760-U-AFL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	955.1	12.3			
FM (30°-60°)	4418.9	56.8			
FH (60°-80°)	1184.1	15.2			G1/1800
FVH (80°-90°)	18.7	0.2			G1/100
BL (0°-30°)	400.8	5.1	B1/500		
BM (30°-60°)	535.7	6.9	B1/1000		
BH (60°-80°)	251.3	3.2	B1/500		G1/500
BVH (80°-90°)	20.4	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





REPORT NUMBER: P630930
 CATALOG NUMBER: GWS-SA1E-760-U-AFL-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1
2.5°	2167.6	2149.5	2162.1	2139.6	2130.3	2105.6	2073.8	2052.5	2019.6	1976.8	1939.6
5°	2382.9	2370.3	2373.1	2349.0	2327.6	2286.5	2221.3	2185.1	2129.2	2043.1	1963.1
7.5°	2376.4	2391.2	2399.4	2420.2	2426.2	2422.4	2363.8	2313.3	2252.0	2122.6	2002.0
10°	2130.3	2158.2	2183.4	2254.7	2341.3	2450.9	2464.6	2434.5	2372.5	2224.0	2048.6
12.5°	1862.3	1883.7	1906.1	1991.6	2124.3	2343.5	2492.0	2510.6	2486.0	2324.3	2101.2
15°	1730.8	1740.6	1762.0	1818.4	1924.2	2167.6	2444.3	2526.0	2570.4	2430.6	2160.4
17.5°	1725.3	1729.7	1740.1	1770.2	1843.7	2031.6	2358.3	2495.3	2636.7	2543.0	2229.5
20°	1838.7	1827.2	1820.6	1820.1	1856.3	1986.1	2275.0	2446.0	2667.9	2658.1	2303.5
22.5°	1996.0	1999.8	1985.6	1950.5	1946.1	2018.5	2233.3	2396.1	2677.2	2760.0	2372.0
25°	2219.1	2238.2	2196.0	2129.2	2096.3	2112.2	2259.1	2380.7	2676.1	2844.9	2414.7
27.5°	2479.4	2494.2	2451.4	2363.8	2295.8	2257.4	2335.8	2426.2	2685.5	2918.4	2440.5
30°	2775.9	2780.8	2722.2	2630.1	2530.9	2448.7	2463.5	2519.9	2733.1	3014.8	2470.6
32.5°	3138.2	3159.0	3070.2	2924.4	2785.8	2680.5	2635.0	2671.2	2836.2	3128.8	2517.2
35°	3598.0	3605.1	3492.2	3283.4	3087.2	2941.4	2846.0	2865.2	2992.9	3288.3	2587.4
37.5°	4031.5	4038.6	3918.6	3724.6	3444.0	3244.5	3106.4	3097.6	3193.5	3513.6	2701.9
40°	4306.6	4326.9	4273.2	4151.5	3883.5	3614.4	3427.0	3396.8	3456.6	3789.2	2861.4
42.5°	4454.6	4463.3	4462.2	4478.1	4318.7	4051.2	3788.7	3728.4	3768.4	4086.8	3022.5
45°	4455.7	4477.6	4536.2	4689.1	4696.3	4529.7	4245.8	4151.5	4114.8	4386.6	3190.8
47.5°	4256.2	4279.7	4440.9	4741.8	4963.7	5001.5	4793.3	4604.2	4449.6	4644.8	3328.9
50°	3652.2	3711.4	4018.3	4550.5	5016.3	5379.7	5315.6	5059.1	4747.2	4844.2	3415.5
52.5°	3127.7	3125.5	3314.6	4010.1	4796.6	5546.3	5820.9	5527.1	5041.5	4970.8	3437.4
55°	2290.3	2302.9	2496.4	3066.9	4210.1	5385.2	6098.7	5957.9	5379.1	5038.3	3428.6
57.5°	1187.6	1250.1	1448.5	1957.1	3199.0	4830.5	6024.7	6118.5	5722.2	5085.9	3440.1
60°	600.1	588.1	659.3	934.4	1853.5	3772.8	5568.8	5867.5	5784.2	5123.2	3447.3
62.5°	400.6	397.3	377.6	433.0	757.4	2234.4	4747.2	5166.0	5353.9	5035.5	3356.3
65°	346.9	340.3	304.2	302.0	367.7	926.8	3479.6	4061.1	4425.0	4645.8	3138.7
67.5°	312.4	302.5	265.8	247.7	264.2	407.2	1960.9	2723.8	3267.5	3929.0	2661.9
70°	279.0	274.0	237.3	211.0	209.4	248.3	722.3	1405.8	1999.3	2680.5	1946.1
72.5°	249.9	241.1	209.9	184.7	172.1	175.9	313.5	541.5	1034.7	1672.1	1164.1
75°	216.5	209.9	182.5	157.3	141.9	128.8	191.3	250.5	471.9	794.7	549.7
77.5°	167.2	162.8	144.1	125.0	116.2	95.9	116.2	157.8	218.1	334.9	286.1
80°	97.0	99.7	107.4	97.6	85.5	68.5	75.6	91.0	131.0	181.4	162.2
82.5°	48.8	52.1	69.6	56.4	51.0	40.0	44.9	53.7	68.5	100.3	63.6
85°	3.8	3.8	12.6	14.2	17.5	14.2	18.1	21.9	31.2	40.0	21.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.7	4.9	9.3	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P630930
 CATALOG NUMBER: GWS-SA1E-760-U-AFL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1	1911.1
2.5°	1914.4	1886.4	1853.0	1825.6	1783.4	1760.9	1732.4	1697.3	1683.1	1676.5	1672.7
5°	1918.2	1868.9	1797.6	1731.8	1659.0	1601.4	1537.3	1470.4	1432.1	1422.7	1416.2
7.5°	1932.4	1863.4	1749.9	1641.4	1506.1	1380.5	1258.3	1137.2	1075.3	1051.7	1049.5
10°	1952.2	1861.2	1701.7	1521.4	1292.9	1094.5	951.4	856.6	816.6	803.4	799.1
12.5°	1976.8	1859.5	1638.1	1354.8	1046.8	859.3	777.7	762.3	767.8	766.7	766.7
15°	2008.1	1861.7	1561.4	1166.3	846.7	745.9	747.5	765.6	782.6	785.4	785.4
17.5°	2042.0	1859.5	1450.1	977.2	726.7	719.0	744.3	769.5	784.8	787.0	787.0
20°	2078.8	1849.1	1309.8	799.1	674.1	702.1	729.5	749.2	758.5	760.7	760.7
22.5°	2100.7	1819.5	1157.5	676.3	640.7	675.2	693.3	713.6	714.7	697.1	696.6
25°	2097.4	1764.2	983.8	597.4	605.1	635.2	658.2	644.0	626.4	616.6	614.9
27.5°	2076.6	1680.9	806.7	537.6	562.9	596.8	589.7	577.6	573.3	562.3	561.2
30°	2050.3	1578.4	647.8	491.1	519.0	550.2	539.3	538.2	533.8	521.7	521.7
32.5°	2025.1	1472.6	527.8	456.5	491.1	493.2	508.6	509.7	507.5	486.7	484.5
35°	2017.9	1366.8	446.7	429.1	463.7	462.6	484.5	483.9	446.1	417.1	416.5
37.5°	2039.3	1259.4	398.4	406.7	425.8	440.1	457.6	425.8	413.2	395.7	394.6
40°	2084.8	1160.2	373.8	393.5	401.7	422.5	395.1	397.3	394.1	380.9	379.3
42.5°	2145.1	1075.8	360.1	389.1	388.0	393.5	363.4	372.1	377.1	367.2	365.6
45°	2203.2	1002.4	352.9	372.7	378.2	346.4	340.3	348.6	356.2	352.4	350.8
47.5°	2245.9	938.8	349.1	350.2	365.6	330.5	320.6	324.4	333.8	335.4	334.9
50°	2259.1	884.6	344.7	331.6	328.3	314.6	306.9	305.8	316.8	324.4	325.5
52.5°	2233.9	836.3	333.2	315.1	299.2	301.4	298.7	293.2	304.2	314.6	315.7
55°	2196.6	808.9	315.1	299.2	280.6	289.4	290.5	285.5	292.7	299.8	299.8
57.5°	2199.3	824.8	297.6	284.4	264.2	275.7	281.7	279.5	279.5	285.0	285.5
60°	2217.4	847.8	286.1	265.8	247.7	259.8	273.5	271.3	266.4	273.5	273.5
62.5°	2165.4	817.1	278.4	247.7	230.2	244.4	260.9	259.8	254.3	265.8	266.9
65°	2011.9	734.9	269.6	225.2	212.6	229.1	243.3	247.2	242.2	257.6	260.3
67.5°	1686.4	618.2	252.7	203.9	195.1	210.5	224.2	229.6	225.8	243.9	246.1
70°	1257.2	500.4	225.8	180.3	173.7	187.4	200.0	202.2	202.8	224.2	226.3
72.5°	801.8	389.1	190.2	154.0	149.1	159.5	168.8	177.6	181.4	201.7	201.1
75°	447.2	289.4	152.9	130.4	121.7	129.9	140.8	151.3	162.2	191.8	195.1
77.5°	257.6	203.3	121.1	104.7	94.3	103.0	112.4	127.1	160.0	185.8	182.5
80°	145.2	132.1	91.5	76.7	70.2	76.7	83.9	111.8	126.1	137.0	138.7
82.5°	68.0	74.0	62.5	47.1	47.1	51.5	58.1	86.6	95.4	77.8	68.0
85°	24.7	33.4	30.7	24.1	21.4	20.8	36.2	49.3	30.7	27.4	23.6
87.5°	6.6	9.3	8.8	6.0	3.3	2.7	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)