

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: P630435

Luminaire Tested: GWS-SA1D-760-U-AFL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630435
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-SA1D-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: 6229.8 lumens
Efficiency: N/A
Efficacy: 140.6 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

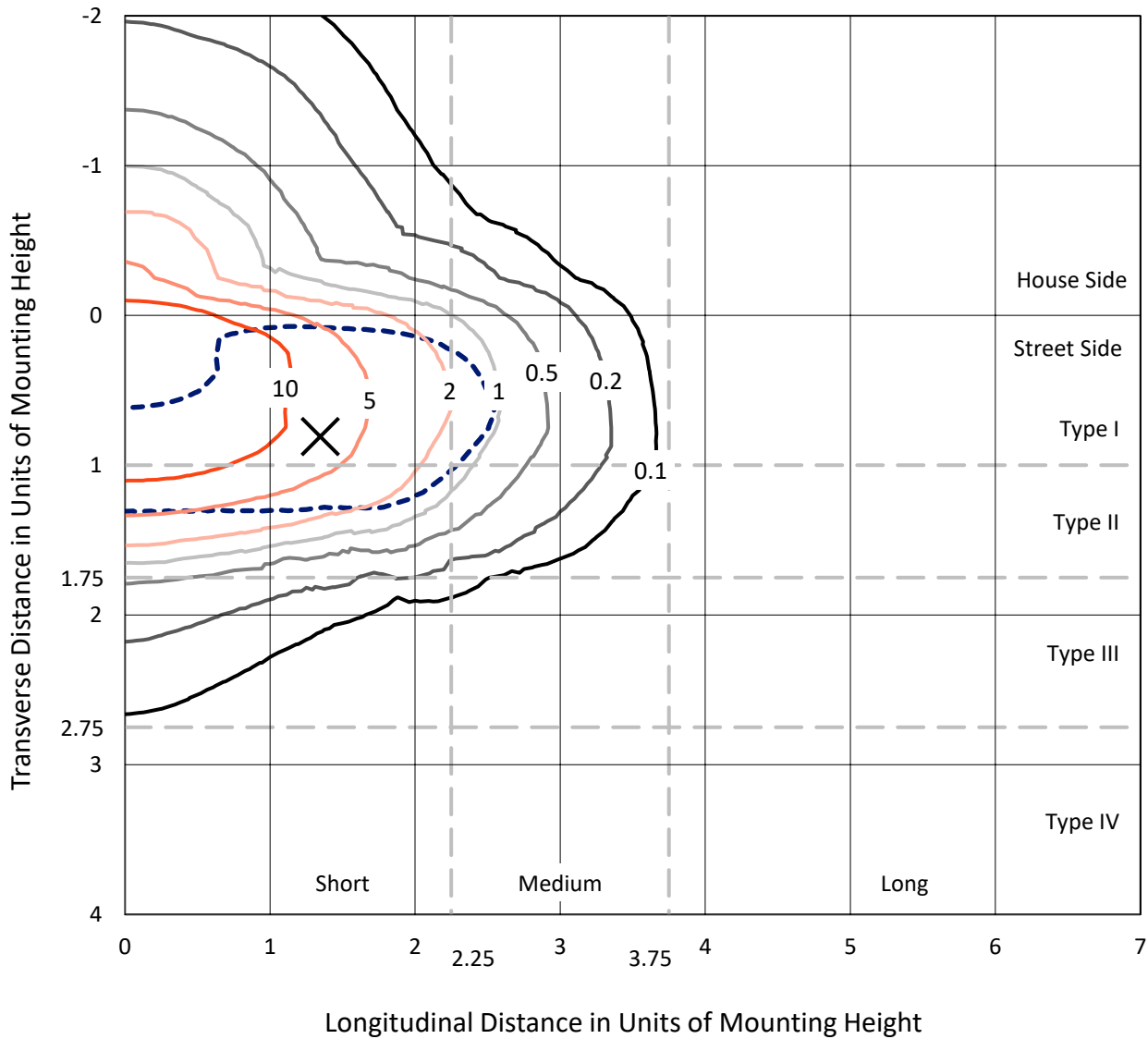
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

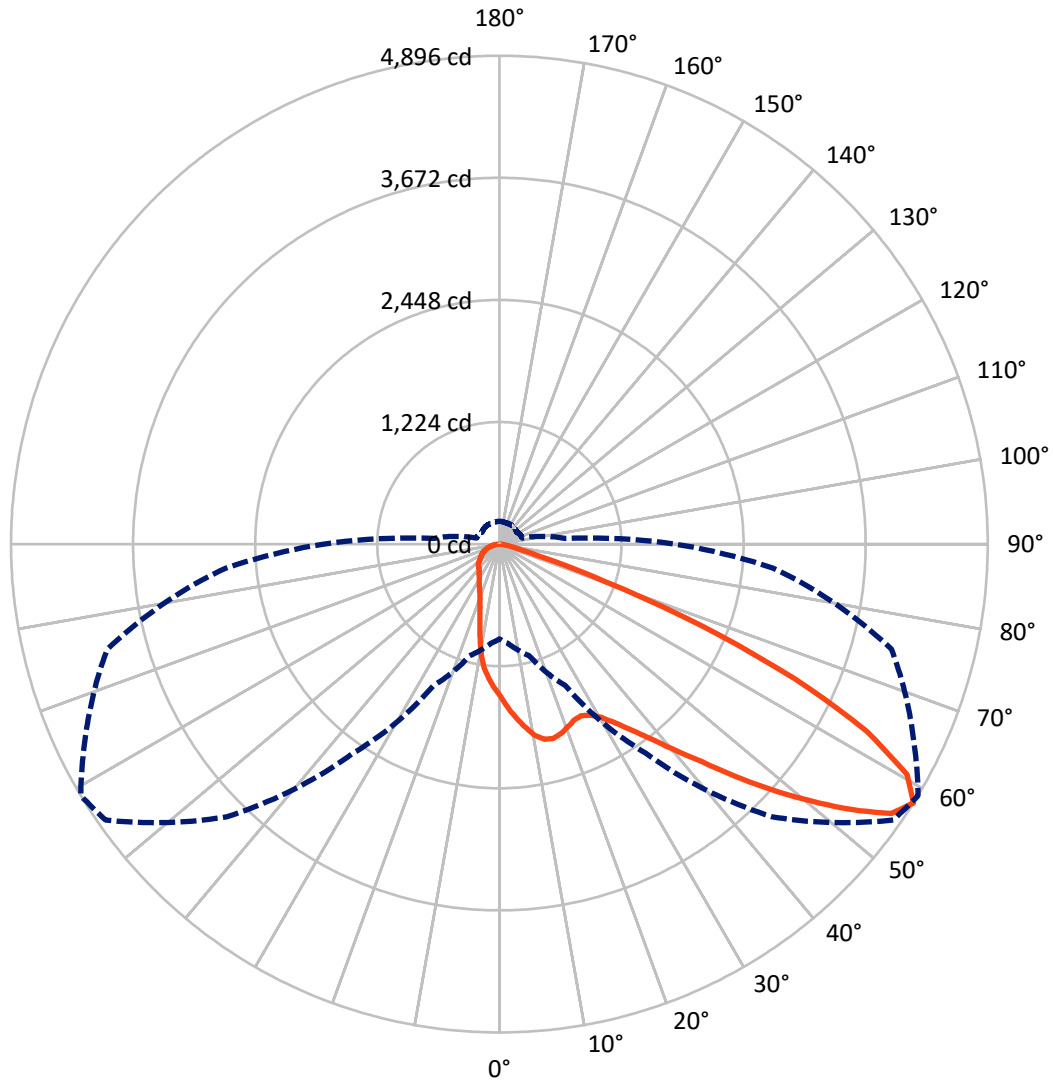
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	966.8	0.0	966.8
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	5263.0	0.0	5263.0
	% Fixture	84.5	0.0	84.5
Total	Lumens	6229.8	0.0	6229.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.0	2.3
10°-20°	359.8	5.8
20°-30°	583.3	9.4
30°-40°	938.3	15.1
40°-50°	1457.0	23.4
50°-60°	1569.4	25.2
60°-70°	910.8	14.6
70°-80°	237.8	3.8
80°-90°	31.3	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°	6229.8	100.0
0°-180°	6229.8	100.0

Coefficient of Utilization



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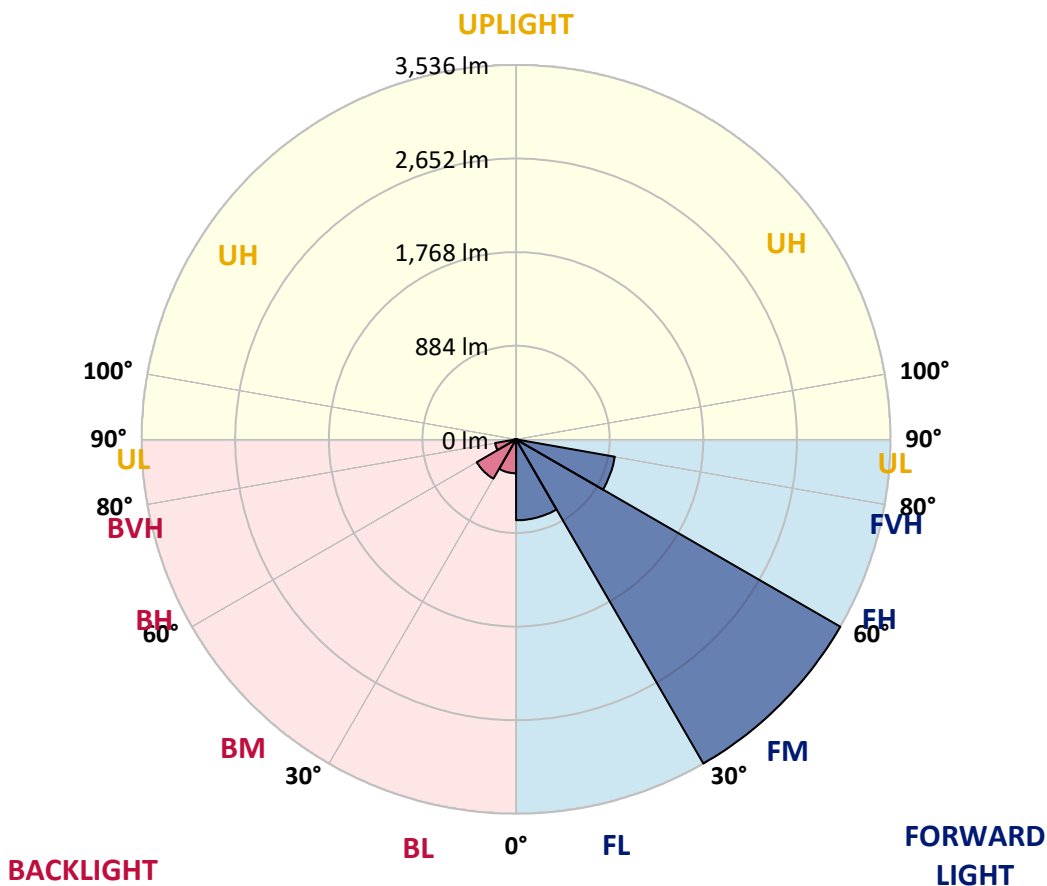
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	764.3	12.3			
FM (30°-60°)	3536.1	56.8			
FH (60°-80°)	947.5	15.2			G1/1800
FVH (80°-90°)	15.0	0.2			G1/100
BL (0°-30°)	320.8	5.1	B1/500		
BM (30°-60°)	428.7	6.9	B1/1000		
BH (60°-80°)	201.1	3.2	B1/500		G1/500
BVH (80°-90°)	16.3	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°	59°	65°	75°	85°
0°	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3
2.5°	1734.5	1720.1	1730.2	1712.2	1704.7	1685.0	1659.5	1642.4	1616.1	1581.9	1552.1
5°	1906.9	1896.8	1899.0	1879.7	1862.6	1829.7	1777.5	1748.6	1703.8	1635.0	1571.0
7.5°	1901.6	1913.5	1920.1	1936.7	1941.5	1938.5	1891.5	1851.2	1802.1	1698.6	1602.1
10°	1704.7	1727.1	1747.3	1804.3	1873.6	1961.3	1972.2	1948.1	1898.6	1779.7	1639.4
12.5°	1490.3	1507.4	1525.3	1593.8	1699.9	1875.3	1994.2	2009.1	1989.4	1860.0	1681.5
15°	1385.0	1392.9	1410.0	1455.2	1539.8	1734.5	1956.0	2021.4	2056.9	1945.1	1728.8
17.5°	1380.6	1384.1	1392.5	1416.6	1475.3	1625.8	1887.2	1996.8	2110.0	2035.0	1784.1
20°	1471.4	1462.2	1456.9	1456.5	1485.4	1589.4	1820.5	1957.3	2135.0	2127.1	1843.3
22.5°	1597.3	1600.3	1588.9	1560.9	1557.4	1615.3	1787.2	1917.4	2142.4	2208.6	1898.1
25°	1775.8	1791.1	1757.3	1703.8	1677.5	1690.2	1807.8	1905.1	2141.5	2276.6	1932.3
27.5°	1984.1	1995.9	1961.7	1891.5	1837.2	1806.5	1869.2	1941.5	2149.0	2335.4	1952.9
30°	2221.4	2225.3	2178.4	2104.7	2025.3	1959.5	1971.4	2016.5	2187.1	2412.6	1977.1
32.5°	2511.2	2527.9	2456.9	2340.2	2229.2	2145.0	2108.6	2137.6	2269.6	2503.8	2014.3
35°	2879.2	2884.9	2794.6	2627.5	2470.5	2353.8	2277.5	2292.8	2395.0	2631.4	2070.5
37.5°	3226.1	3231.8	3135.8	2980.5	2756.0	2596.3	2485.8	2478.8	2555.5	2811.7	2162.1
40°	3446.3	3462.5	3419.5	3322.2	3107.7	2892.4	2742.4	2718.3	2766.1	3032.3	2289.8
42.5°	3564.7	3571.7	3570.8	3583.6	3455.9	3241.9	3031.8	2983.6	3015.6	3270.4	2418.7
45°	3565.6	3583.1	3630.0	3752.4	3758.1	3624.8	3397.6	3322.2	3292.8	3510.3	2553.4
47.5°	3405.9	3424.8	3553.7	3794.5	3972.1	4002.4	3835.7	3684.4	3560.7	3716.9	2663.9
50°	2922.6	2970.0	3215.6	3641.4	4014.2	4305.0	4253.7	4048.4	3798.9	3876.5	2733.2
52.5°	2502.9	2501.2	2652.5	3209.0	3838.4	4438.3	4658.0	4423.0	4034.4	3977.8	2750.7
55°	1832.8	1842.9	1997.7	2454.2	3369.1	4309.4	4880.4	4767.7	4304.6	4031.8	2743.7
57.5°	950.4	1000.4	1159.1	1566.1	2559.9	3865.6	4821.2	4896.2	4579.1	4069.9	2752.9
60°	480.2	470.6	527.6	747.8	1483.2	3019.1	4456.3	4695.3	4628.7	4099.7	2758.6
62.5°	320.6	318.0	302.2	346.5	606.1	1788.0	3798.9	4134.0	4284.4	4029.6	2685.8
65°	277.6	272.4	243.4	241.7	294.3	741.6	2784.5	3249.8	3541.0	3717.8	2511.7
67.5°	250.0	242.1	212.7	198.2	211.4	325.9	1569.2	2179.7	2614.8	3144.1	2130.1
70°	223.2	219.3	189.9	168.8	167.5	198.7	578.0	1124.9	1599.9	2145.0	1557.4
72.5°	200.0	193.0	168.0	147.8	137.7	140.8	250.9	433.3	828.0	1338.1	931.5
75°	173.2	168.0	146.0	125.9	113.6	103.1	153.1	200.4	377.6	635.9	439.9
77.5°	133.8	130.3	115.3	100.0	93.0	76.7	93.0	126.3	174.6	268.0	228.9
80°	77.6	79.8	86.0	78.1	68.4	54.8	60.5	72.8	104.8	145.2	129.8
82.5°	39.0	41.7	55.7	45.2	40.8	32.0	36.0	43.0	54.8	80.3	50.9
85°	3.1	3.1	10.1	11.4	14.0	11.4	14.5	17.5	25.0	32.0	17.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.2	3.9	7.5	4.8
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°	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3
2.5°	1531.9	1509.6	1482.8	1460.9	1427.1	1409.1	1386.3	1358.2	1346.8	1341.6	1338.5
5°	1535.0	1495.5	1438.5	1385.9	1327.5	1281.5	1230.2	1176.7	1146.0	1138.5	1133.3
7.5°	1546.4	1491.1	1400.4	1313.5	1205.2	1104.8	1007.0	910.0	860.5	841.6	839.9
10°	1562.2	1489.4	1361.8	1217.5	1034.6	875.8	761.4	685.5	653.5	642.9	639.4
12.5°	1581.9	1488.1	1310.9	1084.1	837.7	687.7	622.3	610.0	614.4	613.6	613.6
15°	1606.9	1489.8	1249.5	933.3	677.6	596.9	598.2	612.7	626.3	628.5	628.5
17.5°	1634.1	1488.1	1160.5	782.0	581.5	575.4	595.6	615.8	628.0	629.8	629.8
20°	1663.5	1479.7	1048.2	639.4	539.4	561.8	583.7	599.5	607.0	608.7	608.7
22.5°	1681.0	1456.1	926.3	541.2	512.7	540.3	554.8	571.0	571.9	557.9	557.4
25°	1678.4	1411.8	787.2	478.0	484.2	508.3	526.7	515.3	501.3	493.4	492.1
27.5°	1661.7	1345.1	645.6	430.2	450.4	477.6	471.9	462.3	458.7	450.0	449.1
30°	1640.7	1263.1	518.4	393.0	415.3	440.3	431.6	430.7	427.2	417.5	417.5
32.5°	1620.5	1178.4	422.3	365.3	393.0	394.7	407.0	407.9	406.1	389.4	387.7
35°	1614.8	1093.8	357.4	343.4	371.0	370.2	387.7	387.3	357.0	333.8	333.3
37.5°	1631.9	1007.8	318.8	325.4	340.8	352.2	366.2	340.8	330.7	316.6	315.8
40°	1668.3	928.5	299.1	314.9	321.5	338.1	316.2	318.0	315.3	304.8	303.5
42.5°	1716.6	860.9	288.1	311.4	310.5	314.9	290.8	297.8	301.7	293.8	292.5
45°	1763.0	802.1	282.4	298.2	302.6	277.2	272.4	278.9	285.1	282.0	280.7
47.5°	1797.3	751.3	279.4	280.2	292.5	264.5	256.6	259.6	267.1	268.4	268.0
50°	1807.8	707.9	275.9	265.3	262.7	251.7	245.6	244.7	253.5	259.6	260.5
52.5°	1787.6	669.3	266.7	252.2	239.5	241.2	239.0	234.6	243.4	251.7	252.6
55°	1757.8	647.3	252.2	239.5	224.5	231.6	232.4	228.5	234.2	239.9	239.9
57.5°	1760.0	660.0	238.1	227.6	211.4	220.6	225.4	223.7	223.7	228.1	228.5
60°	1774.5	678.5	228.9	212.7	198.2	207.9	218.8	217.1	213.1	218.8	218.8
62.5°	1732.8	653.9	222.8	198.2	184.2	195.6	208.8	207.9	203.5	212.7	213.6
65°	1610.0	588.1	215.8	180.3	170.2	183.3	194.7	197.8	193.8	206.1	208.3
67.5°	1349.5	494.7	202.2	163.1	156.1	168.4	179.4	183.8	180.7	195.2	196.9
70°	1006.1	400.4	180.7	144.3	139.0	150.0	160.1	161.8	162.3	179.4	181.1
72.5°	641.6	311.4	152.2	123.2	119.3	127.6	135.1	142.1	145.2	161.4	161.0
75°	357.9	231.6	122.4	104.4	97.4	103.9	112.7	121.0	129.8	153.5	156.1
77.5°	206.1	162.7	96.9	83.8	75.4	82.5	89.9	101.7	128.1	148.7	146.0
80°	116.2	105.7	73.2	61.4	56.1	61.4	67.1	89.5	100.9	109.6	111.0
82.5°	54.4	59.2	50.0	37.7	37.7	41.2	46.5	69.3	76.3	62.3	54.4
85°	19.7	26.8	24.6	19.3	17.1	16.7	28.9	39.5	24.6	21.9	18.9
87.5°	5.3	7.5	7.0	4.8	2.6	2.2	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)