

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: P630654

Luminaire Tested: GWS-SA1E-727-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630654
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-727-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5314.3 lumens
Efficiency: N/A
Efficacy: 91.0 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

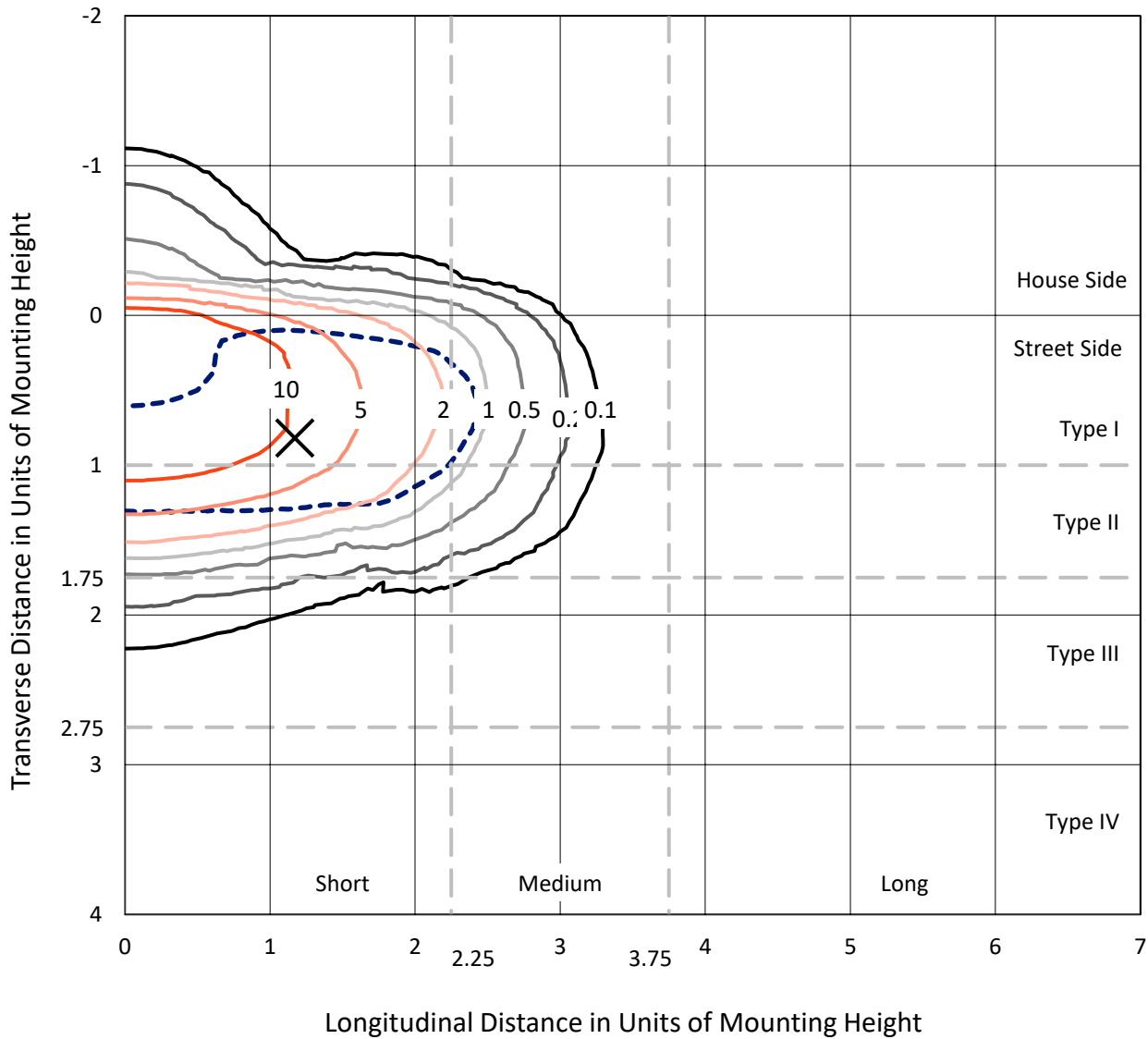
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

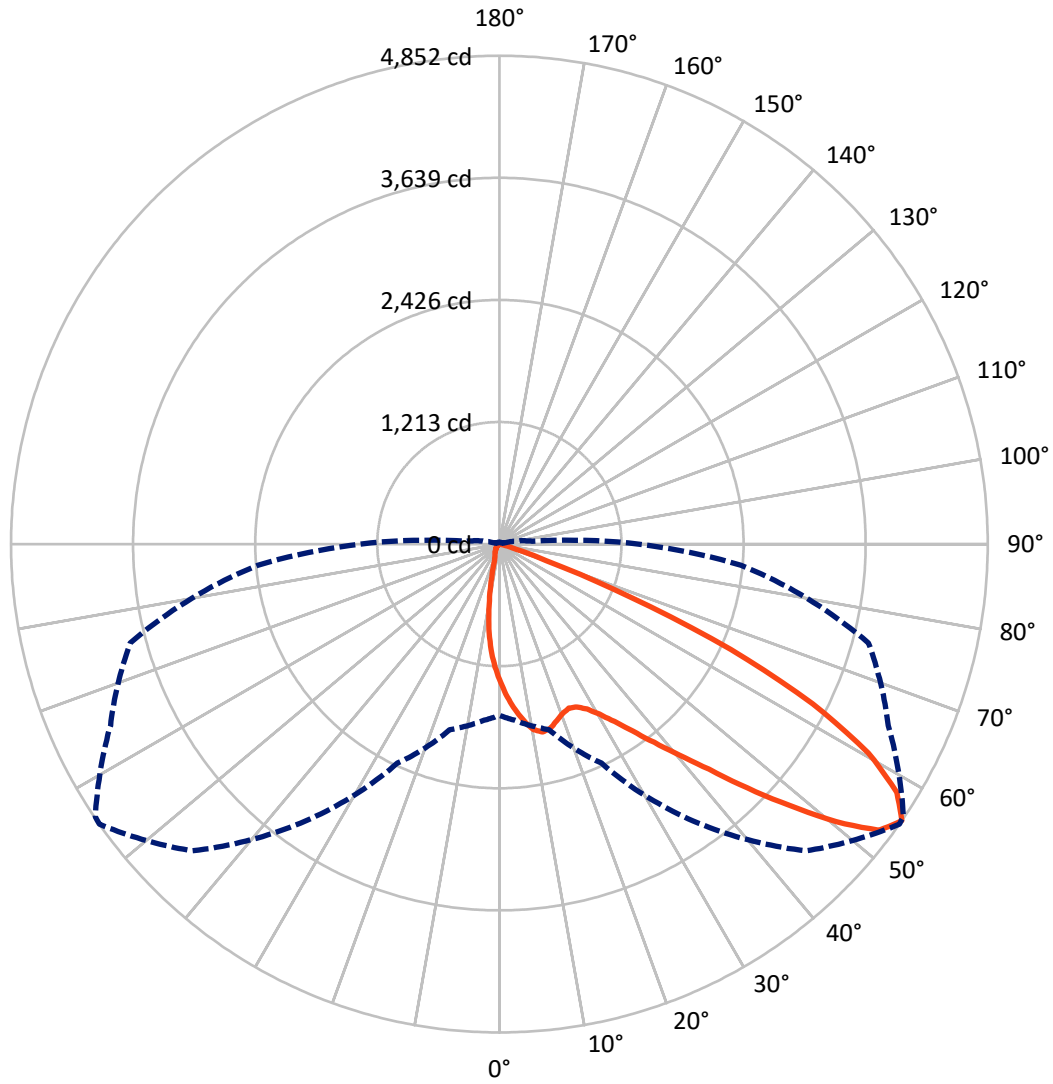
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	327.9	0.0	327.9
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	4986.4	0.0	4986.4
	% Fixture	93.8	0.0	93.8
Total	Lumens	5314.3	0.0	5314.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	2.3
10°-20°	292.5	5.5
20°-30°	487.2	9.2
30°-40°	830.1	15.6
40°-50°	1355.1	25.5
50°-60°	1418.7	26.7
60°-70°	715.6	13.5
70°-80°	90.4	1.7
80°-90°	3.4	0.1
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°	5314.3	100.0
0°-180°	5314.3	100.0

Coefficient of Utilization

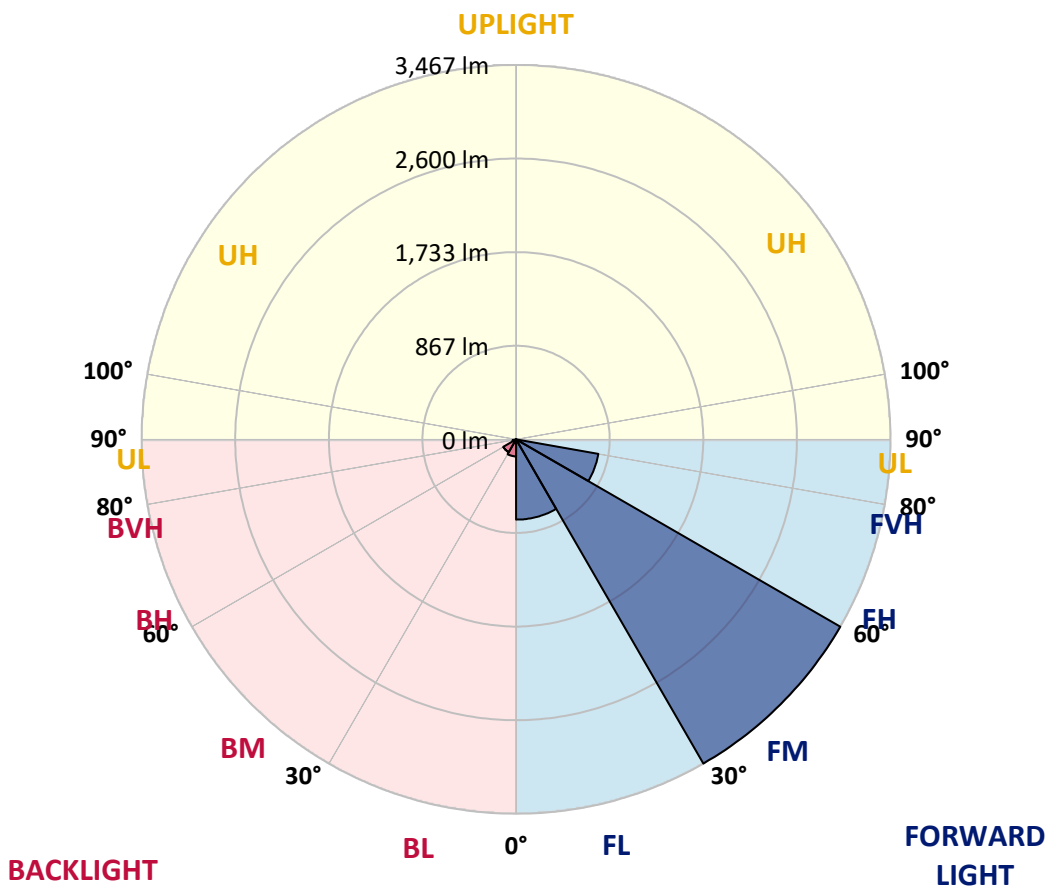


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	743.4	14.0			
FM (30°-60°)	3466.8	65.2			
FH (60°-80°)	773.1	14.5			G1/1800
FVH (80°-90°)	3.1	0.1			G0/10
BL (0°-30°)	157.6	3.0	B1/500		
BM (30°-60°)	137.1	2.6	B0/220		
BH (60°-80°)	32.9	0.6	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			G0/10
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°	56°	65°	75°	85°
0°	1372.9	1372.9	1372.9	1372.9	1372.9	1372.9	1372.9	1372.9	1372.9	1372.9	1372.9
2.5°	1600.5	1592.8	1604.6	1591.0	1567.8	1548.3	1522.8	1513.7	1472.9	1434.2	1397.0
5°	1795.0	1797.2	1793.6	1774.5	1741.8	1705.5	1654.1	1642.8	1571.4	1497.8	1418.3
7.5°	1843.1	1841.7	1849.5	1856.7	1851.3	1833.1	1777.2	1765.9	1677.3	1566.9	1451.0
10°	1694.6	1695.5	1711.4	1760.4	1821.3	1884.4	1875.8	1869.5	1782.7	1645.0	1487.4
12.5°	1484.7	1492.8	1509.6	1579.6	1682.7	1826.3	1915.3	1921.7	1879.5	1730.9	1530.1
15°	1393.8	1395.6	1409.2	1451.5	1528.3	1705.5	1898.5	1916.3	1960.3	1817.2	1576.4
17.5°	1391.5	1393.8	1399.7	1418.3	1468.3	1610.5	1844.5	1875.4	2021.2	1909.9	1631.9
20°	1476.9	1475.6	1471.5	1461.5	1483.3	1579.2	1794.5	1828.6	2054.4	2000.3	1687.7
22.5°	1631.9	1630.0	1611.9	1570.5	1552.8	1607.8	1770.0	1800.9	2074.3	2080.7	1733.6
25°	1810.4	1823.1	1789.0	1726.4	1682.7	1680.9	1791.8	1813.6	2091.6	2152.0	1765.0
27.5°	2006.2	2010.3	1981.2	1910.8	1847.7	1798.1	1854.9	1871.3	2110.7	2215.6	1782.7
30°	2221.1	2219.7	2186.6	2104.8	2028.0	1956.7	1961.2	1967.6	2155.2	2288.3	1802.2
32.5°	2489.6	2495.5	2436.4	2325.1	2232.9	2134.3	2100.2	2101.2	2235.6	2381.9	1831.7
35°	2854.4	2839.8	2761.7	2603.2	2446.0	2339.7	2281.5	2276.5	2359.7	2507.8	1883.1
37.5°	3201.9	3203.3	3121.5	2947.1	2748.5	2580.9	2498.7	2485.0	2534.1	2682.2	1968.5
40°	3443.2	3447.7	3413.6	3322.3	3112.0	2874.8	2754.0	2739.9	2760.3	2903.0	2080.3
42.5°	3570.8	3583.5	3593.1	3614.4	3455.0	3241.9	3056.1	3054.7	3033.4	3154.7	2209.7
45°	3575.8	3594.9	3653.1	3798.9	3817.1	3660.8	3458.6	3428.2	3345.9	3424.1	2325.6
47.5°	3378.2	3422.3	3545.8	3834.8	4025.6	4077.4	3877.0	3858.4	3627.6	3637.2	2412.3
50°	2917.5	2963.4	3191.0	3650.8	4078.3	4408.1	4336.3	4297.7	3862.9	3778.0	2454.1
52.5°	2445.1	2486.9	2641.3	3212.8	3859.8	4512.1	4723.4	4677.5	4074.2	3827.0	2436.9
55°	1701.4	1757.2	1908.1	2401.4	3356.4	4309.5	4851.5	4842.0	4262.7	3796.2	2410.1
57.5°	834.1	889.5	1039.9	1480.6	2486.4	3762.5	4655.7	4706.1	4375.4	3763.0	2388.3
60°	348.5	371.2	423.0	649.7	1391.1	2843.5	4213.7	4283.6	4306.3	3718.0	2386.0
62.5°	202.2	205.8	211.3	269.4	541.1	1630.0	3495.4	3594.9	3943.4	3658.5	2350.1
65°	152.6	154.0	151.7	165.4	223.5	618.3	2525.5	2660.9	3291.4	3425.9	2208.4
67.5°	125.4	125.4	119.5	122.2	140.4	231.7	1394.3	1583.2	2435.5	2815.8	1823.6
70°	99.9	102.2	99.5	95.9	100.4	128.1	496.1	615.1	1418.3	1662.7	1063.5
72.5°	75.9	75.9	80.4	77.7	74.5	80.4	173.1	194.4	569.2	693.3	383.9
75°	58.6	60.4	63.6	60.9	56.3	47.7	83.1	88.1	171.7	161.3	85.9
77.5°	30.0	30.4	40.4	44.5	41.8	29.1	36.3	40.0	55.9	50.0	31.8
80°	18.2	19.1	22.7	35.0	27.7	15.4	15.0	15.9	26.3	22.7	13.2
82.5°	7.7	8.2	12.7	12.7	11.4	5.9	5.9	5.9	12.7	11.8	5.5
85°	0.0	0.0	2.3	1.8	1.8	2.3	2.3	2.3	3.2	4.5	2.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.4	1.4
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°	1372.9	1372.9	1372.9	1372.9	1372.9	1372.9	1372.9	1372.9	1372.9	1372.9	1372.9
2.5°	1372.9	1343.8	1304.8	1269.3	1221.6	1194.8	1157.6	1127.1	1101.2	1093.1	1089.4
5°	1373.4	1323.4	1239.8	1156.2	1053.5	972.7	889.5	823.7	769.6	752.3	747.8
7.5°	1382.4	1308.8	1173.5	1021.7	850.0	708.3	581.5	467.9	415.2	397.5	393.9
10°	1394.7	1296.6	1096.7	860.5	613.8	431.6	305.7	233.1	198.5	179.4	182.2
12.5°	1410.6	1286.6	1011.7	686.0	406.1	237.1	168.1	140.8	133.6	129.9	128.1
15°	1432.0	1274.8	906.3	512.9	249.0	152.6	129.5	122.2	119.5	117.7	117.2
17.5°	1453.8	1261.1	799.1	360.7	165.4	126.8	116.3	112.7	110.8	109.5	109.0
20°	1476.9	1238.0	673.3	248.5	130.4	114.0	107.2	103.1	100.9	98.6	98.1
22.5°	1486.9	1200.7	552.9	174.0	115.8	104.9	96.3	91.3	88.6	86.8	86.8
25°	1477.4	1140.3	428.4	132.2	105.4	94.9	86.3	80.9	78.6	76.8	76.8
27.5°	1452.0	1062.6	312.6	109.5	94.0	84.5	76.3	71.3	69.5	68.6	68.6
30°	1423.8	964.5	220.3	94.0	81.3	73.6	66.8	63.6	63.1	62.2	62.2
32.5°	1399.7	872.7	151.7	82.7	71.8	64.1	59.5	58.2	58.6	57.7	58.2
35°	1386.5	782.8	112.7	73.6	64.1	56.8	54.5	54.5	54.5	54.1	54.1
37.5°	1392.0	694.2	91.8	67.2	57.2	51.8	49.5	50.4	51.3	51.3	51.3
40°	1419.2	615.6	81.3	61.3	51.3	47.2	45.4	46.8	48.2	49.1	49.1
42.5°	1453.8	552.0	73.6	56.3	47.2	42.7	41.8	43.2	44.5	45.4	45.4
45°	1475.6	487.9	65.9	50.0	43.2	37.7	37.7	39.5	39.1	39.5	39.5
47.5°	1485.6	437.0	58.2	43.2	36.8	32.7	33.2	34.1	33.2	34.1	34.1
50°	1461.0	385.7	51.3	35.9	30.4	28.6	29.5	29.1	29.1	30.9	30.9
52.5°	1416.1	347.5	45.4	30.4	25.9	25.4	26.3	24.5	25.0	25.0	24.5
55°	1382.9	325.7	40.4	26.3	22.3	22.7	22.3	19.1	17.3	15.4	15.0
57.5°	1366.5	317.1	36.8	23.6	20.0	20.0	18.2	13.2	10.0	7.7	6.8
60°	1362.9	306.7	33.2	20.4	17.7	16.8	13.2	7.7	5.0	3.6	3.2
62.5°	1328.4	281.2	30.0	16.4	15.4	13.6	8.2	4.5	2.7	1.8	1.4
65°	1215.3	231.2	26.8	12.7	11.8	10.0	5.0	2.7	1.4	0.5	0.0
67.5°	966.8	164.0	23.6	9.5	8.2	6.4	3.2	1.8	0.5	0.0	0.0
70°	557.4	88.6	19.5	6.8	5.5	4.1	2.3	0.9	0.0	0.0	0.0
72.5°	186.3	41.3	15.0	4.5	4.1	3.2	1.4	0.5	0.0	0.0	0.0
75°	40.9	24.5	10.0	3.2	2.7	2.3	0.9	0.0	0.0	0.0	0.0
77.5°	15.4	17.3	5.0	2.3	1.8	1.4	0.5	0.0	0.0	0.0	0.0
80°	5.9	11.4	2.3	1.4	1.4	0.5	0.0	0.0	0.0	0.0	0.0
82.5°	3.2	4.5	1.4	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.8	2.3	0.9	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.5	0.5	0.5	0.0	0.0	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)