

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: P630874

Luminaire Tested: GWS-SA1E-750-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630874
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6500.2 lumens
Efficiency: N/A
Efficacy: 111.3 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

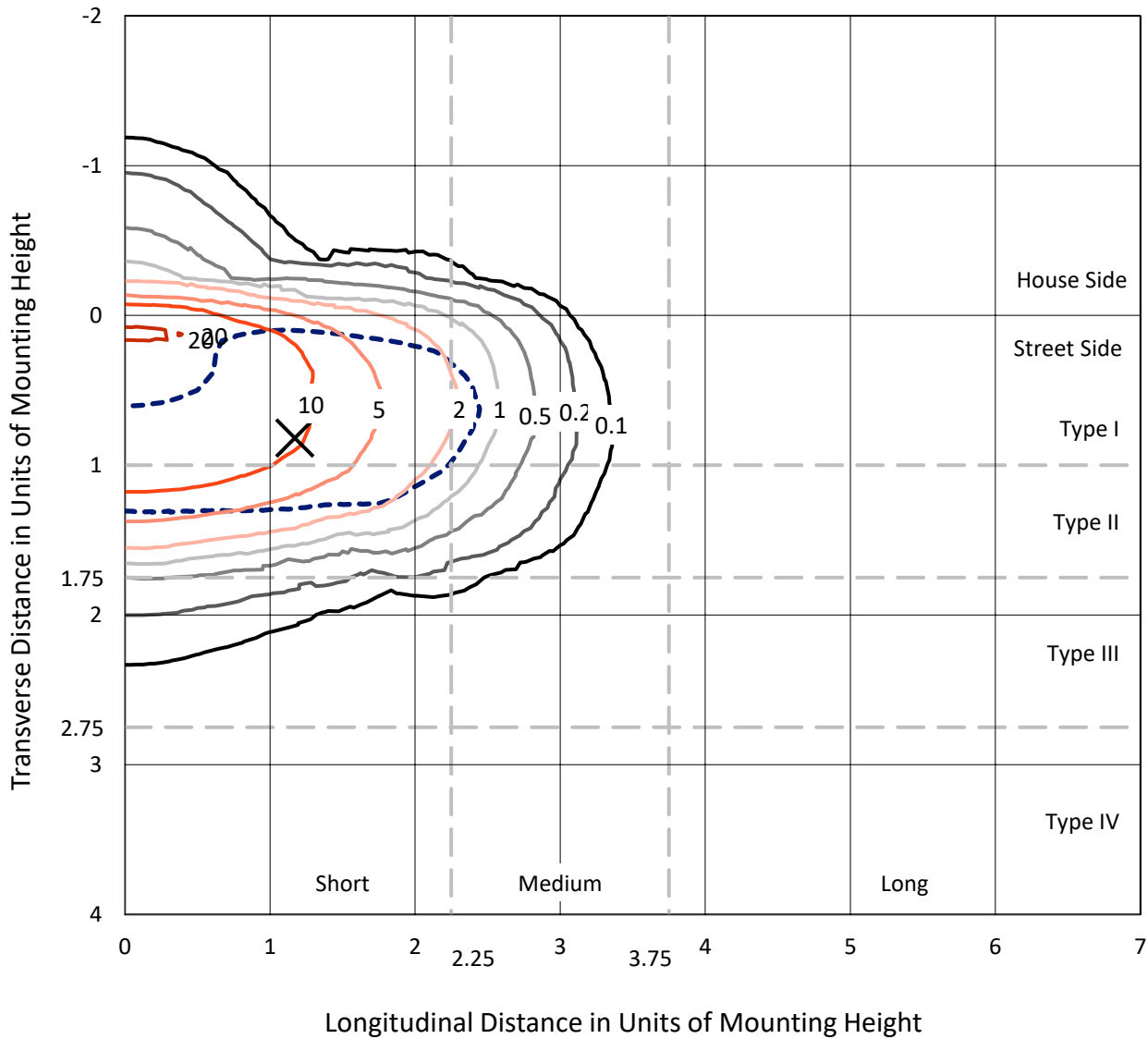
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

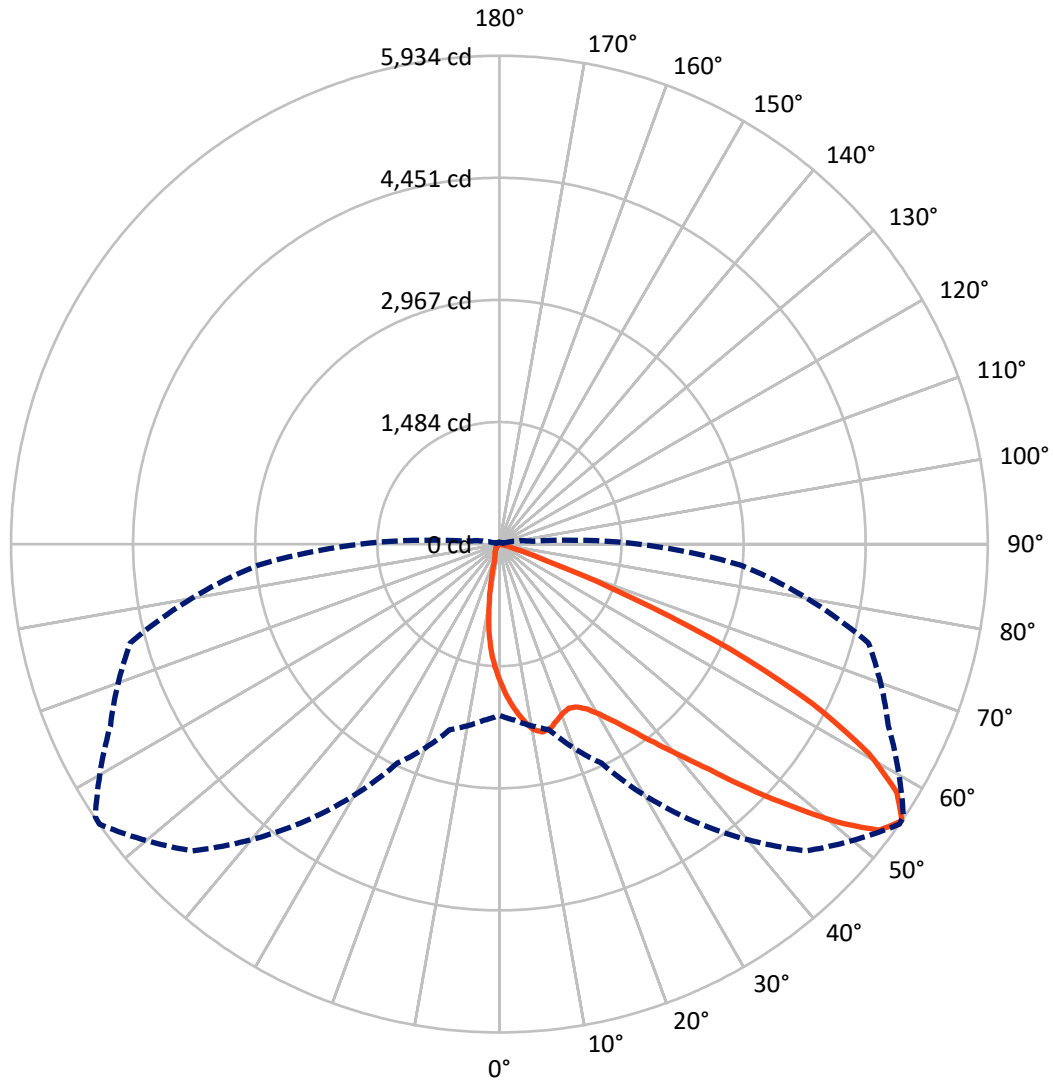
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22 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	401.1	0.0	401.1
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	6099.1	0.0	6099.1
	% Fixture	93.8	0.0	93.8
Total	Lumens	6500.2	0.0	6500.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.4	2.3
10°-20°	357.8	5.5
20°-30°	595.9	9.2
30°-40°	1015.4	15.6
40°-50°	1657.5	25.5
50°-60°	1735.3	26.7
60°-70°	875.2	13.5
70°-80°	110.6	1.7
80°-90°	4.2	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°	6500.2	100.0
0°-180°	6500.2	100.0

Coefficient of Utilization

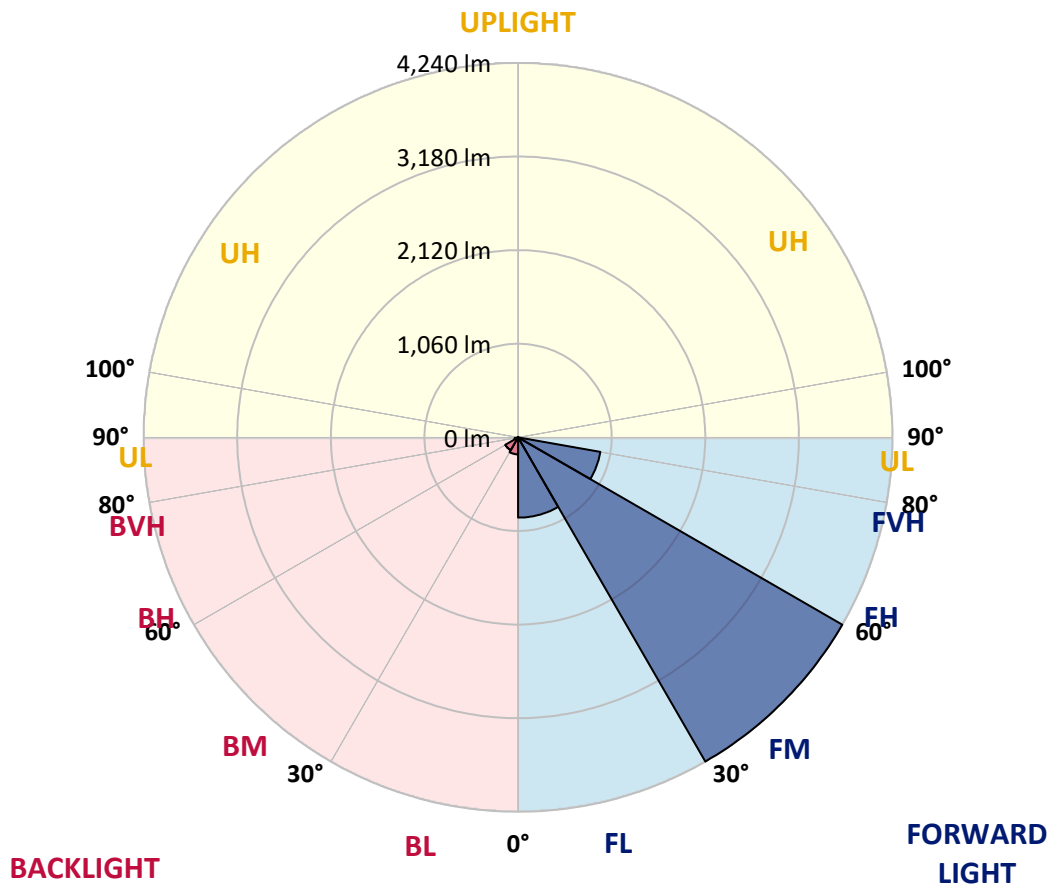


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	909.3	14.0			
FM (30°-60°)	4240.4	65.2			
FH (60°-80°)	945.6	14.5			G1/1800
FVH (80°-90°)	3.8	0.1			G0/10
BL (0°-30°)	192.8	3.0	B1/500		
BM (30°-60°)	167.7	2.6	B0/220		
BH (60°-80°)	40.2	0.6	B0/110		G0/110
BVH (80°-90°)	0.4	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°	1679.3	1679.3	1679.3	1679.3	1679.3	1679.3	1679.3	1679.3	1679.3	1679.3	1679.3
2.5°	1957.7	1948.2	1962.7	1946.0	1917.7	1893.8	1862.6	1851.5	1801.5	1754.3	1708.7
5°	2195.5	2198.3	2193.8	2170.5	2130.5	2086.0	2023.2	2009.3	1922.1	1832.1	1734.8
7.5°	2254.4	2252.7	2262.2	2271.1	2264.4	2242.2	2173.8	2159.9	2051.6	1916.5	1774.8
10°	2072.7	2073.8	2093.3	2153.3	2227.7	2305.0	2294.4	2286.6	2180.5	2012.1	1819.3
12.5°	1816.0	1826.0	1846.5	1932.1	2058.2	2233.8	2342.8	2350.5	2298.9	2117.1	1871.5
15°	1704.8	1707.1	1723.7	1775.4	1869.3	2086.0	2322.2	2343.9	2397.8	2222.7	1928.2
17.5°	1702.1	1704.8	1712.1	1734.8	1796.0	1969.9	2256.1	2293.9	2472.2	2336.1	1996.0
20°	1806.5	1804.9	1799.9	1787.6	1814.3	1931.6	2194.9	2236.6	2512.8	2446.7	2064.4
22.5°	1996.0	1993.8	1971.6	1921.0	1899.3	1966.6	2164.9	2202.7	2537.2	2545.0	2120.5
25°	2214.4	2230.0	2188.3	2111.6	2058.2	2056.0	2191.6	2218.3	2558.4	2632.3	2158.8
27.5°	2453.9	2458.9	2423.3	2337.2	2260.0	2199.4	2268.8	2288.9	2581.7	2710.1	2180.5
30°	2716.7	2715.1	2674.5	2574.5	2480.6	2393.3	2398.9	2406.7	2636.2	2799.0	2204.4
32.5°	3045.1	3052.4	2980.1	2844.0	2731.2	2610.6	2568.9	2570.0	2734.5	2913.4	2240.5
35°	3491.3	3473.6	3378.0	3184.1	2991.8	2861.8	2790.6	2784.5	2886.2	3067.4	2303.3
37.5°	3916.4	3918.1	3818.1	3604.7	3361.9	3156.8	3056.3	3039.6	3099.6	3280.7	2407.8
40°	4211.5	4217.1	4175.4	4063.7	3806.4	3516.4	3368.5	3351.3	3376.3	3550.8	2544.5
42.5°	4367.7	4383.2	4394.9	4421.0	4226.0	3965.3	3738.1	3736.4	3710.3	3858.7	2702.8
45°	4373.8	4397.1	4468.2	4646.6	4668.8	4477.7	4230.4	4193.2	4092.6	4188.2	2844.5
47.5°	4132.1	4186.0	4337.1	4690.5	4923.9	4987.2	4742.2	4719.4	4437.1	4448.8	2950.7
50°	3568.6	3624.7	3903.1	4465.5	4988.4	5391.8	5304.0	5256.8	4725.0	4621.1	3001.8
52.5°	2990.7	3041.8	3230.7	3929.8	4721.1	5519.0	5777.4	5721.3	4983.4	4681.1	2980.7
55°	2081.0	2149.4	2333.9	2937.3	4105.4	5271.2	5934.1	5922.5	5214.0	4643.3	2947.9
57.5°	1020.2	1088.0	1272.0	1811.0	3041.2	4602.2	5694.6	5756.3	5351.8	4602.7	2921.2
60°	426.2	454.0	517.3	794.6	1701.5	3478.0	5154.0	5239.5	5267.3	4547.7	2918.4
62.5°	247.3	251.7	258.4	329.5	661.8	1993.8	4275.4	4397.1	4823.3	4474.9	2874.5
65°	186.7	188.4	185.6	202.3	273.4	756.3	3089.0	3254.6	4025.9	4190.4	2701.2
67.5°	153.4	153.4	146.1	149.5	171.7	283.4	1705.4	1936.6	2979.0	3444.1	2230.5
70°	122.3	125.0	121.7	117.2	122.8	156.7	606.8	752.4	1734.8	2033.8	1300.9
72.5°	92.8	92.8	98.4	95.0	91.1	98.4	211.7	237.8	696.3	848.0	469.6
75°	71.7	73.9	77.8	74.5	68.9	58.3	101.7	107.8	210.0	197.3	105.0
77.5°	36.7	37.2	49.5	54.5	51.1	35.6	44.5	48.9	68.3	61.1	38.9
80°	22.2	23.3	27.8	42.8	33.9	18.9	18.3	19.4	32.2	27.8	16.1
82.5°	9.4	10.0	15.6	15.6	13.9	7.2	7.2	7.2	15.6	14.4	6.7
85°	0.0	0.0	2.8	2.2	2.2	2.8	2.8	2.8	3.9	5.6	3.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.7	1.7
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°	1679.3	1679.3	1679.3	1679.3	1679.3	1679.3	1679.3	1679.3	1679.3	1679.3	1679.3
2.5°	1679.3	1643.7	1595.9	1552.6	1494.2	1461.4	1415.9	1378.6	1347.0	1337.0	1332.5
5°	1679.8	1618.7	1516.5	1414.2	1288.6	1189.7	1088.0	1007.5	941.3	920.2	914.7
7.5°	1690.9	1600.9	1435.3	1249.7	1039.7	866.3	711.3	572.4	507.9	486.2	481.8
10°	1705.9	1585.9	1341.4	1052.5	750.7	527.9	374.0	285.1	242.8	219.5	222.8
12.5°	1725.4	1573.7	1237.5	839.1	496.8	290.1	205.6	172.3	163.4	158.9	156.7
15°	1751.5	1559.2	1108.6	627.4	304.5	186.7	158.4	149.5	146.1	143.9	143.4
17.5°	1778.2	1542.6	977.4	441.2	202.3	155.0	142.3	137.8	135.6	133.9	133.4
20°	1806.5	1514.2	823.5	304.0	159.5	139.5	131.1	126.1	123.4	120.6	120.0
22.5°	1818.7	1468.7	676.3	212.8	141.7	128.4	117.8	111.7	108.4	106.1	106.1
25°	1807.1	1394.8	524.0	161.7	128.9	116.1	105.6	98.9	96.1	93.9	93.9
27.5°	1776.0	1299.7	382.3	133.9	115.0	103.4	93.4	87.2	85.0	83.9	83.9
30°	1741.5	1179.7	269.5	115.0	99.5	90.0	81.7	77.8	77.2	76.1	76.1
32.5°	1712.1	1067.5	185.6	101.1	87.8	78.4	72.8	71.1	71.7	70.6	71.1
35°	1695.9	957.4	137.8	90.0	78.4	69.5	66.7	66.7	66.7	66.1	66.1
37.5°	1702.6	849.1	112.2	82.2	70.0	63.3	60.6	61.7	62.8	62.8	62.8
40°	1736.0	752.9	99.5	75.0	62.8	57.8	55.6	57.2	58.9	60.0	60.0
42.5°	1778.2	675.2	90.0	68.9	57.8	52.2	51.1	52.8	54.5	55.6	55.6
45°	1804.9	596.8	80.6	61.1	52.8	46.1	46.1	48.3	47.8	48.3	48.3
47.5°	1817.1	534.6	71.1	52.8	45.0	40.0	40.6	41.7	40.6	41.7	41.7
50°	1787.1	471.8	62.8	43.9	37.2	35.0	36.1	35.6	35.6	37.8	37.8
52.5°	1732.1	425.1	55.6	37.2	31.7	31.1	32.2	30.0	30.6	30.6	30.0
55°	1691.5	398.4	49.5	32.2	27.2	27.8	27.2	23.3	21.1	18.9	18.3
57.5°	1671.5	387.9	45.0	28.9	24.5	24.5	22.2	16.1	12.2	9.4	8.3
60°	1667.0	375.1	40.6	25.0	21.7	20.6	16.1	9.4	6.1	4.4	3.9
62.5°	1624.8	344.0	36.7	20.0	18.9	16.7	10.0	5.6	3.3	2.2	1.7
65°	1486.4	282.8	32.8	15.6	14.4	12.2	6.1	3.3	1.7	0.6	0.0
67.5°	1182.5	200.6	28.9	11.7	10.0	7.8	3.9	2.2	0.6	0.0	0.0
70°	681.8	108.4	23.9	8.3	6.7	5.0	2.8	1.1	0.0	0.0	0.0
72.5°	227.8	50.6	18.3	5.6	5.0	3.9	1.7	0.6	0.0	0.0	0.0
75°	50.0	30.0	12.2	3.9	3.3	2.8	1.1	0.0	0.0	0.0	0.0
77.5°	18.9	21.1	6.1	2.8	2.2	1.7	0.6	0.0	0.0	0.0	0.0
80°	7.2	13.9	2.8	1.7	1.7	0.6	0.0	0.0	0.0	0.0	0.0
82.5°	3.9	5.6	1.7	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.2	2.8	1.1	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	0.6	0.6	0.6	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)