

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: P633098

Luminaire Tested: GWS-SA2E-722-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633098
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-722-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6384.1 lumens
Efficiency: N/A
Efficacy: 59.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

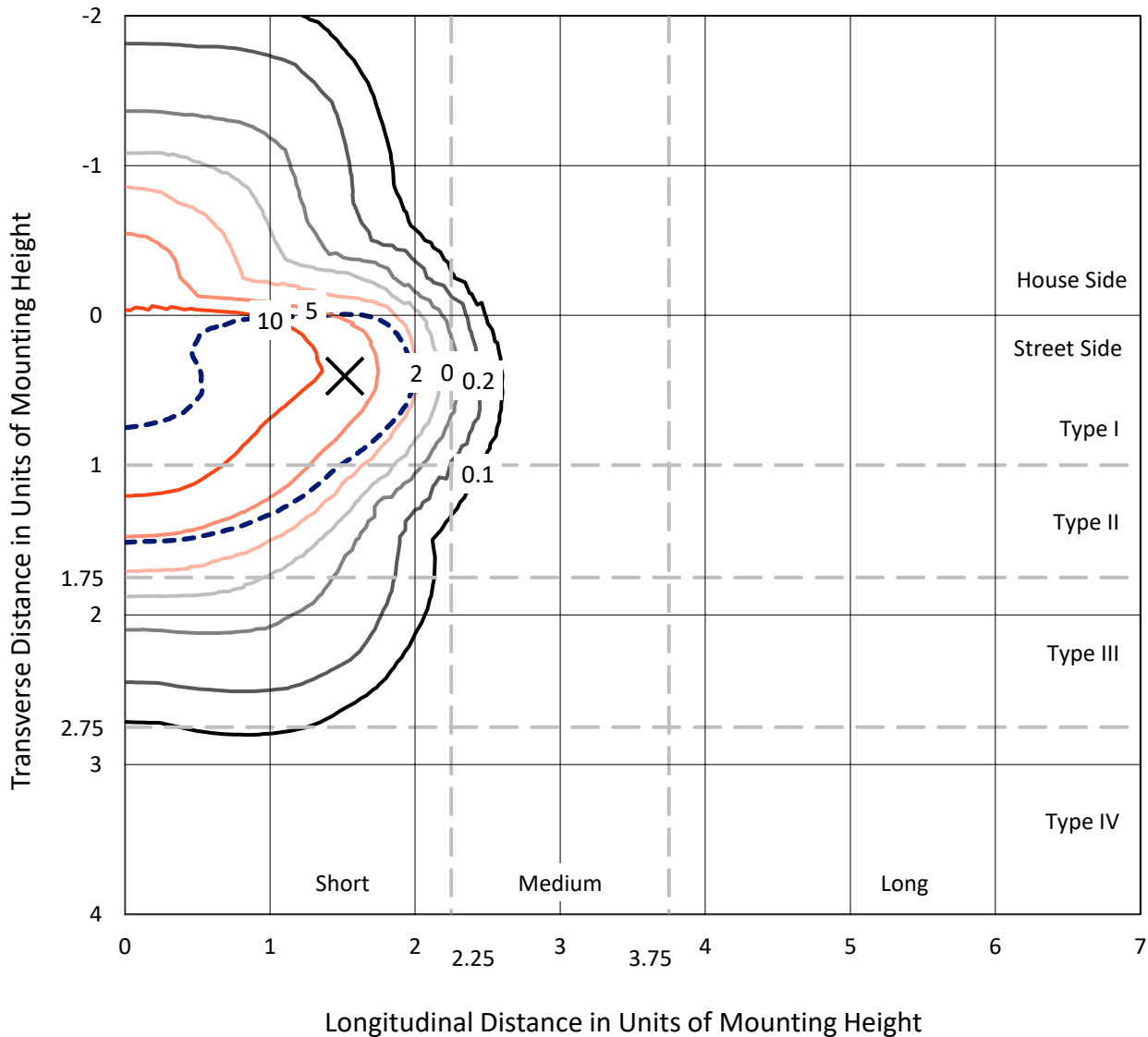
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

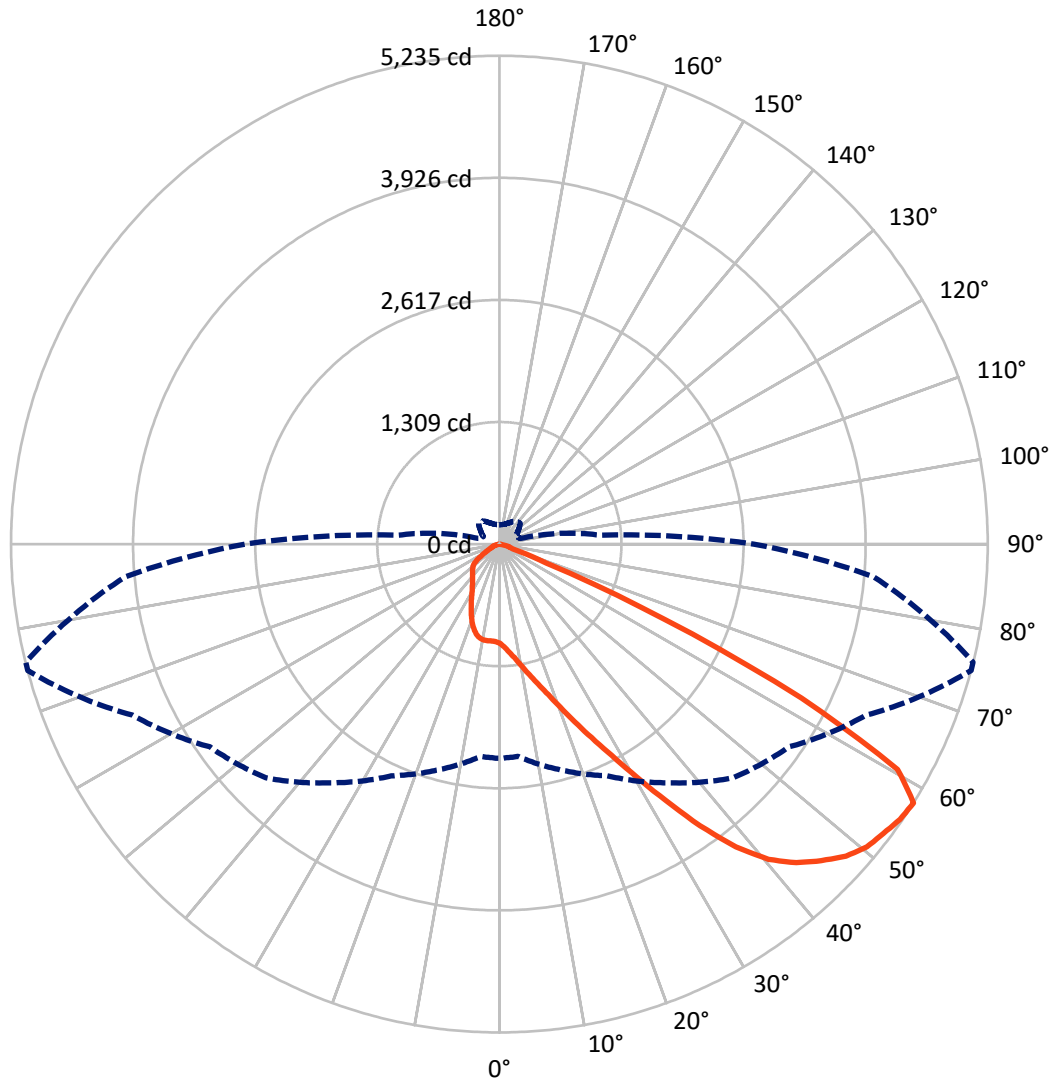
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1042.8	0.0	1042.8
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	5341.3	0.0	5341.3
	% Fixture	83.7	0.0	83.7
Total	Lumens	6384.1	0.0	6384.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.3	1.7
10°-20°	352.0	5.5
20°-30°	644.5	10.1
30°-40°	1069.3	16.8
40°-50°	1633.1	25.6
50°-60°	1835.1	28.7
60°-70°	676.9	10.6
70°-80°	64.7	1.0
80°-90°	0.1	0.0
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°	6384.1	100.0
0°-180°	6384.1	100.0

Coefficient of Utilization



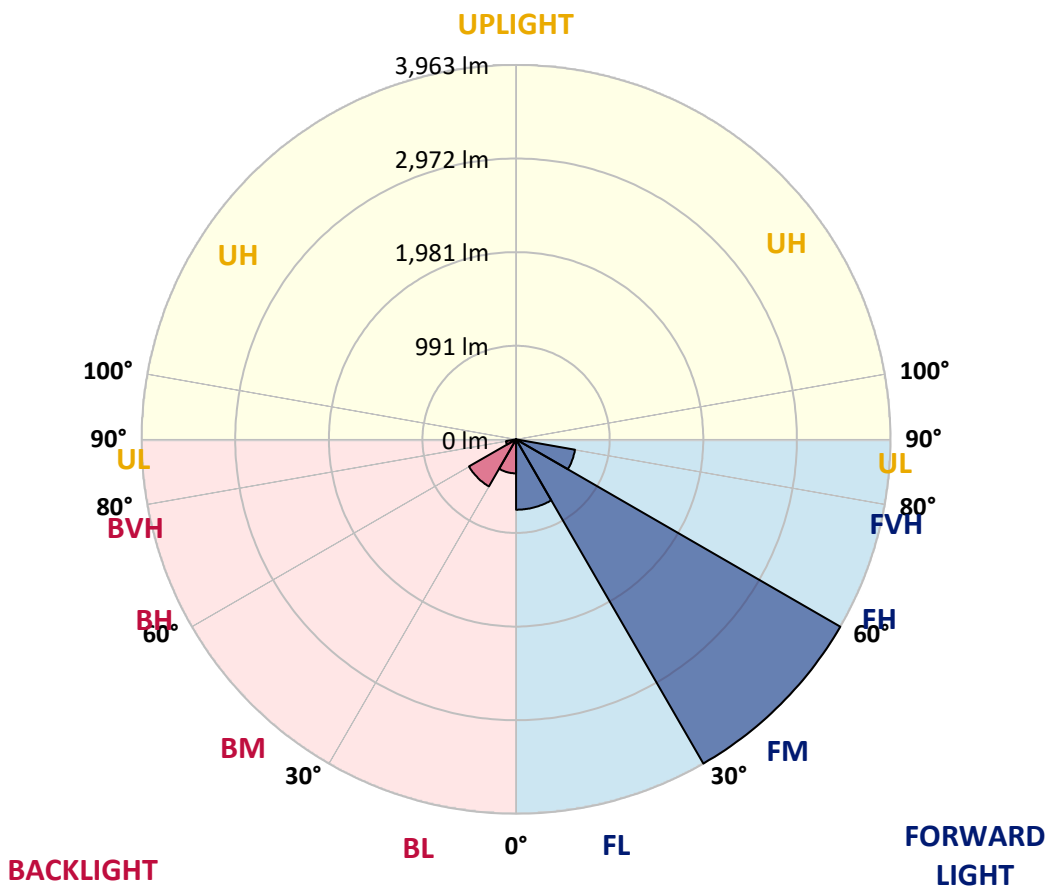
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	745.0	11.7			
FM (30°-60°)	3963.0	62.1			
FH (60°-80°)	633.3	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	359.8	5.6	B1/500		
BM (30°-60°)	574.7	9.0	B1/1000		
BH (60°-80°)	108.3	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8
2.5°	1189.6	1201.9	1198.1	1190.4	1185.7	1169.6	1159.5	1130.3	1109.5	1107.2	1087.9
5°	1339.8	1337.5	1334.4	1325.2	1317.5	1292.1	1262.0	1212.7	1168.8	1163.4	1122.6
7.5°	1422.3	1423.8	1425.4	1423.8	1418.4	1399.2	1366.0	1308.2	1241.2	1236.6	1171.9
10°	1456.2	1459.3	1467.0	1481.6	1494.7	1493.2	1473.9	1414.6	1332.1	1324.4	1237.4
12.5°	1472.4	1476.2	1488.5	1516.3	1551.7	1579.4	1582.5	1529.4	1438.5	1426.1	1315.2
15°	1494.7	1498.5	1514.0	1550.2	1601.8	1656.5	1691.9	1658.0	1556.3	1543.2	1400.7
17.5°	1504.7	1510.1	1532.4	1580.2	1647.2	1731.2	1811.4	1808.3	1695.8	1685.8	1500.1
20°	1524.0	1527.8	1547.9	1599.5	1680.4	1801.3	1936.2	1984.7	1866.1	1851.4	1620.3
22.5°	1584.8	1586.4	1595.6	1628.0	1703.5	1852.2	2063.3	2190.4	2067.2	2047.9	1755.1
25°	1684.2	1683.5	1687.3	1692.7	1748.2	1903.8	2185.8	2422.3	2297.5	2276.7	1907.7
27.5°	1810.6	1810.6	1819.8	1804.4	1826.8	1967.8	2306.8	2688.9	2565.6	2536.4	2074.9
30°	1959.3	1958.5	1980.1	1955.4	1962.4	2068.7	2437.0	2979.4	2889.2	2853.0	2267.5
32.5°	2161.1	2156.5	2181.2	2147.3	2124.2	2221.2	2595.7	3282.9	3276.8	3221.3	2509.4
35°	2416.2	2408.5	2416.2	2383.0	2341.4	2434.7	2803.7	3585.7	3706.7	3648.1	2797.5
37.5°	2669.7	2694.3	2702.8	2645.8	2611.9	2705.1	3054.1	3856.9	4117.4	4056.5	3097.3
40°	2968.6	2960.9	2990.2	2926.2	2904.6	3007.9	3299.1	4058.8	4442.5	4384.7	3363.8
42.5°	3188.9	3202.8	3239.0	3203.6	3186.6	3283.7	3504.8	4176.7	4668.2	4611.2	3554.1
45°	3453.2	3463.2	3477.1	3447.8	3430.1	3525.6	3653.5	4228.3	4840.0	4778.4	3682.0
47.5°	3739.1	3746.8	3746.8	3686.7	3629.6	3668.9	3752.9	4257.6	4998.0	4938.7	3776.8
50°	3944.0	3947.8	3981.7	3939.4	3815.3	3754.5	3798.4	4286.1	5102.8	5047.3	3807.6
52.5°	3762.2	3757.5	3869.3	3957.1	3990.2	3869.3	3877.0	4327.7	5153.6	5105.9	3832.3
55°	3168.1	3160.4	3317.6	3531.0	3823.0	3977.9	3971.7	4352.3	5209.9	5180.6	3921.7
57.5°	2296.7	2283.7	2502.5	2739.8	3122.7	3542.6	3789.1	4338.5	5234.5	5232.2	4025.7
60°	1380.7	1369.9	1576.4	1826.0	2121.9	2544.1	2953.2	3886.2	4904.8	4909.4	3755.2
62.5°	849.8	859.8	1046.3	1173.4	1283.6	1410.7	1647.2	2614.2	3633.5	3663.5	2638.8
65°	571.7	579.4	752.0	912.2	912.2	745.8	640.3	1249.7	1938.5	1887.6	1248.1
67.5°	383.7	392.2	528.5	715.8	742.7	520.1	259.6	372.9	540.1	523.9	309.0
70°	225.7	235.0	352.1	490.8	540.9	362.1	173.4	157.9	153.3	148.7	120.2
72.5°	100.9	104.8	179.5	249.6	228.1	152.6	122.5	126.4	119.4	117.1	97.8
75°	30.8	32.4	46.2	53.9	54.7	54.7	74.0	99.4	94.0	94.8	75.5
77.5°	7.7	7.7	12.3	11.6	6.2	5.4	13.9	22.3	23.1	20.8	15.4
80°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8	1064.8
2.5°	1079.4	1059.4	1046.3	1027.8	1014.7	1000.8	988.5	978.5	973.1	971.6	972.3
5°	1104.1	1072.5	1041.7	1006.2	981.6	958.5	940.0	925.3	918.4	916.1	916.1
7.5°	1141.8	1097.9	1043.2	987.7	946.1	909.9	888.3	872.2	866.0	864.5	859.8
10°	1191.1	1131.0	1040.9	954.6	896.0	858.3	842.9	838.3	840.6	841.3	840.6
12.5°	1250.5	1165.7	1026.3	906.1	842.9	819.8	821.3	833.6	847.5	854.4	856.0
15°	1313.6	1197.3	993.1	848.3	797.4	796.7	819.0	847.5	874.5	886.0	889.1
17.5°	1384.5	1222.7	942.3	786.6	758.1	780.5	820.5	864.5	900.7	919.9	923.8
20°	1462.3	1243.5	877.6	728.9	723.5	763.5	819.0	872.9	917.6	939.2	943.0
22.5°	1543.2	1258.2	802.8	675.7	691.9	744.3	804.4	856.8	899.1	923.8	926.9
25°	1635.7	1259.7	726.5	631.0	662.6	718.1	768.9	812.1	847.5	869.1	871.4
27.5°	1716.6	1241.2	658.7	594.8	635.6	685.7	719.6	743.5	768.2	780.5	781.2
30°	1809.8	1208.9	594.8	565.5	607.9	645.6	662.6	668.0	670.3	672.6	669.5
32.5°	1920.8	1169.6	547.0	537.0	576.3	601.7	606.4	595.6	582.5	564.0	559.4
35°	2057.1	1134.1	507.7	509.3	541.6	557.0	553.2	530.1	504.7	482.3	478.5
37.5°	2205.1	1104.1	477.7	482.3	503.9	514.7	503.1	477.7	466.1	446.9	447.6
40°	2336.0	1079.4	450.7	455.3	465.4	475.4	456.9	439.9	461.5	460.0	461.5
42.5°	2429.3	1058.6	427.6	425.3	432.2	439.2	425.3	416.8	453.0	443.0	448.4
45°	2484.0	1039.4	408.3	394.5	405.3	417.6	408.3	397.6	409.9	363.7	359.8
47.5°	2521.0	1028.6	391.4	364.4	383.7	405.3	386.0	359.8	342.1	302.0	298.9
50°	2524.8	1023.2	371.4	333.6	358.3	381.4	359.0	322.8	297.4	279.7	277.4
52.5°	2544.8	1034.0	343.6	294.3	321.3	358.3	342.9	306.6	272.0	256.6	253.5
55°	2634.2	1079.4	297.4	240.4	279.7	340.5	329.8	273.5	240.4	231.1	228.8
57.5°	2726.7	1088.7	234.2	190.3	243.5	315.1	301.3	251.9	219.6	208.8	206.5
60°	2493.2	896.8	175.7	157.2	215.0	291.2	278.9	238.8	201.1	188.0	185.7
62.5°	1638.0	484.6	139.5	133.3	181.1	246.5	254.3	215.7	179.5	165.6	164.9
65°	755.1	225.0	107.1	105.6	141.8	196.5	218.8	188.8	151.8	139.5	139.5
67.5°	205.7	111.7	84.0	77.8	96.3	131.7	159.5	141.0	107.9	93.2	92.5
70°	102.5	90.1	75.5	67.0	69.3	81.7	94.0	78.6	54.7	44.7	43.9
72.5°	84.0	74.0	63.9	57.0	52.4	50.1	48.5	39.3	25.4	19.3	18.5
75°	62.4	53.2	45.5	37.0	31.6	29.3	26.2	19.3	10.8	6.2	5.4
77.5°	13.9	13.1	12.3	9.2	8.5	6.9	5.4	3.9	1.5	0.0	0.0
80°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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)