

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: P634363

Luminaire Tested: GWS-SA3B-750-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634363
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-SA3B-750-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6320.1 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

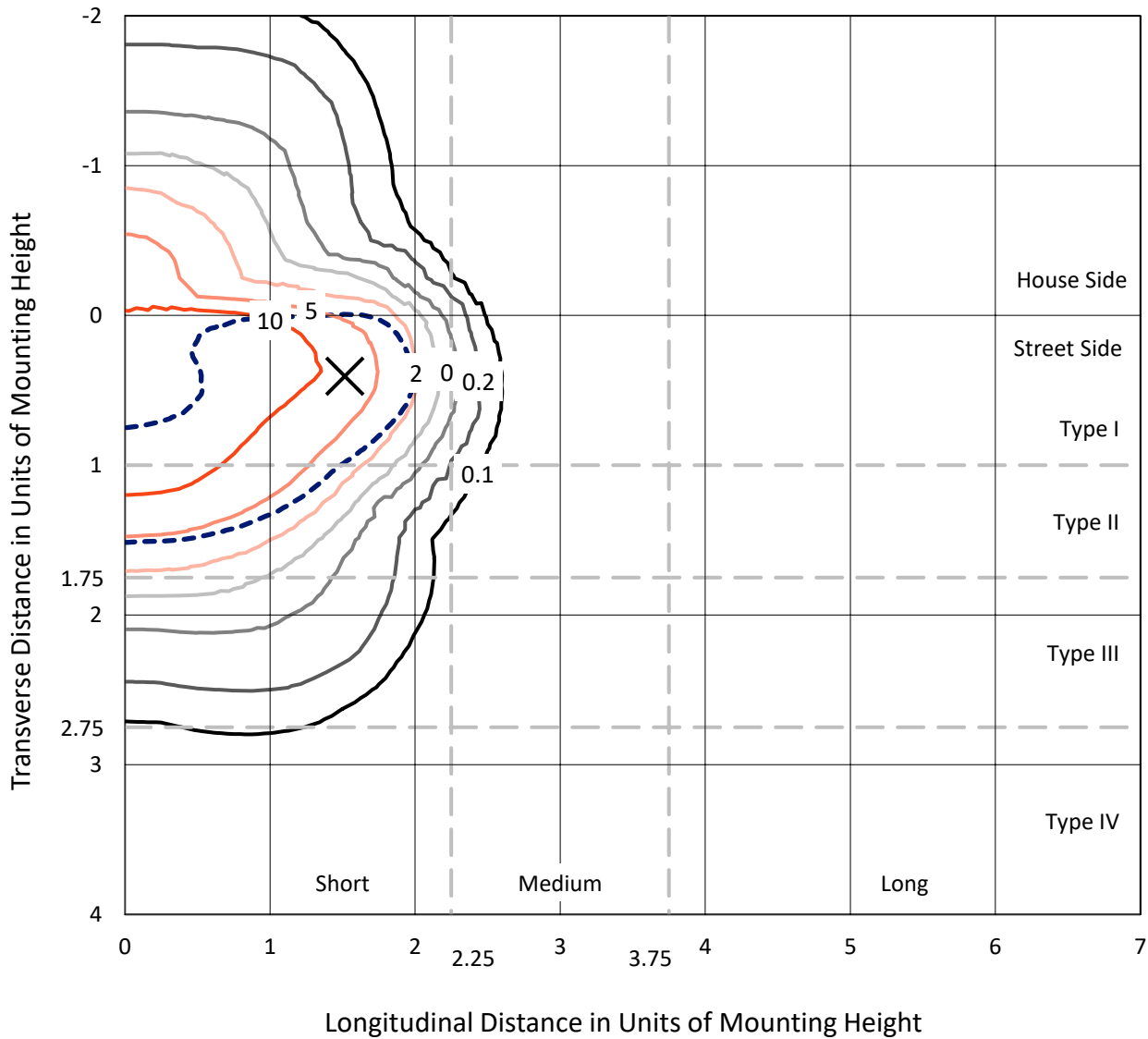
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

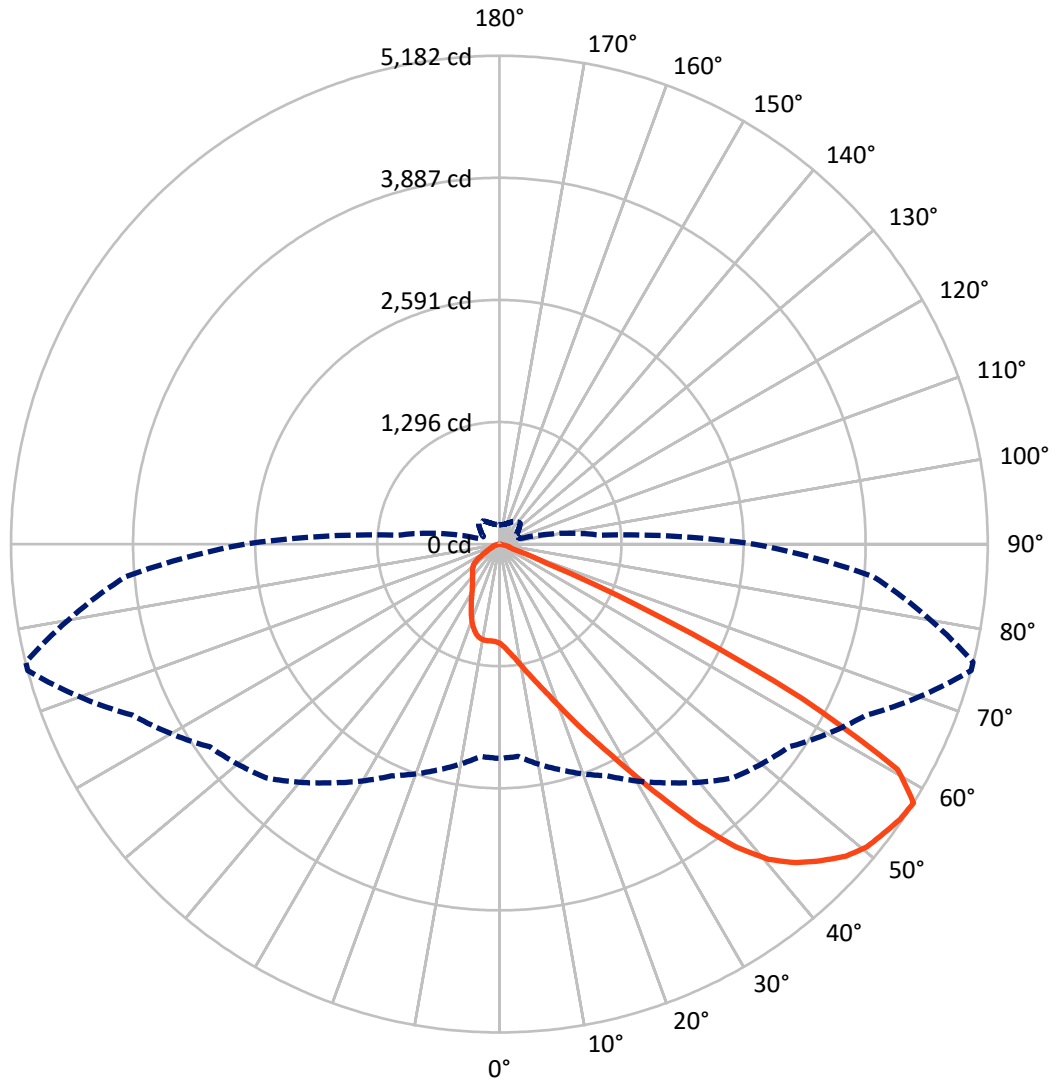
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.7 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	1032.4	0.0	1032.4
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	5287.7	0.0	5287.7
	% Fixture	83.7	0.0	83.7
Total	Lumens	6320.1	0.0	6320.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.3	1.7
10°-20°	348.4	5.5
20°-30°	638.1	10.1
30°-40°	1058.6	16.8
40°-50°	1616.8	25.6
50°-60°	1816.7	28.7
60°-70°	670.1	10.6
70°-80°	64.1	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°	6320.1	100.0
0°-180°	6320.1	100.0

Coefficient of Utilization



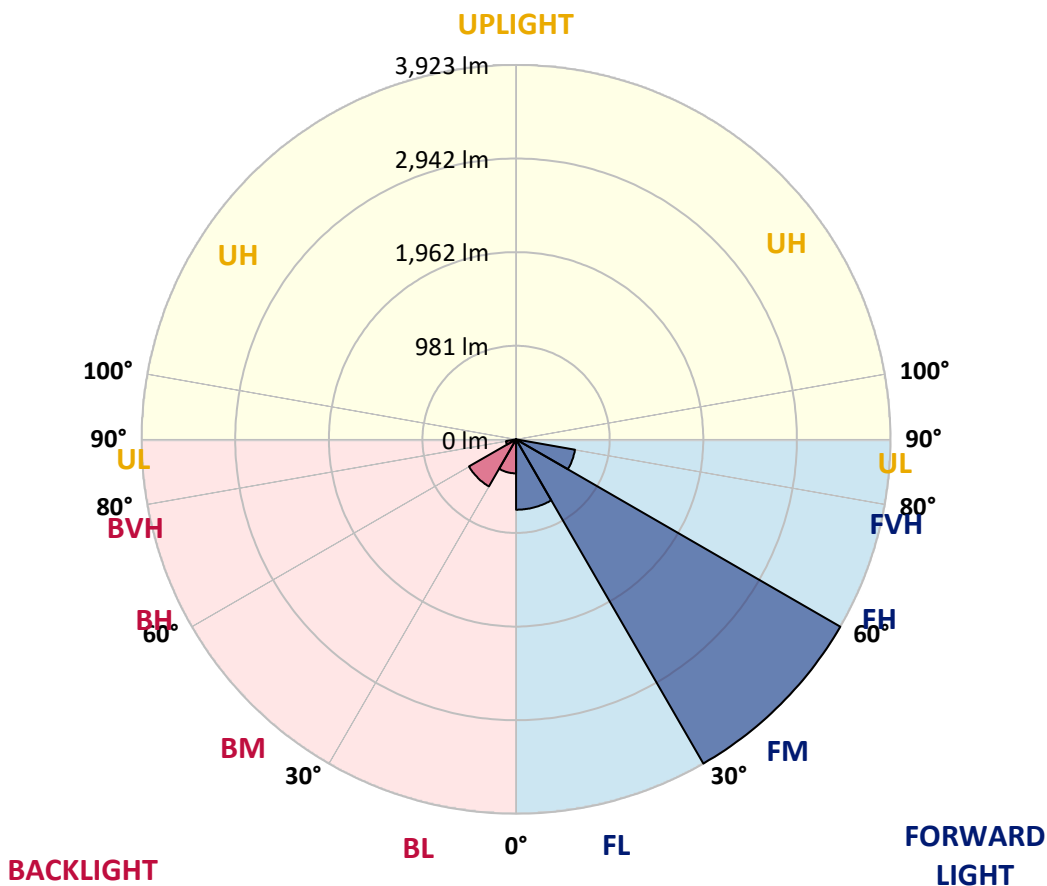
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	737.5	11.7			
FM (30°-60°)	3923.2	62.1			
FH (60°-80°)	626.9	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	356.2	5.6	B1/500		
BM (30°-60°)	568.9	9.0	B1/1000		
BH (60°-80°)	107.2	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°	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1
2.5°	1177.7	1189.9	1186.1	1178.4	1173.9	1157.8	1147.9	1118.9	1098.3	1096.1	1077.0
5°	1326.4	1324.1	1321.1	1311.9	1304.3	1279.1	1249.4	1200.6	1157.1	1151.7	1111.3
7.5°	1408.0	1409.5	1411.1	1409.5	1404.2	1385.1	1352.3	1295.1	1228.8	1224.2	1160.1
10°	1441.6	1444.6	1452.3	1466.7	1479.7	1478.2	1459.1	1400.4	1318.8	1311.1	1225.0
12.5°	1457.6	1461.4	1473.6	1501.1	1536.2	1563.6	1566.7	1514.0	1424.0	1411.8	1302.0
15°	1479.7	1483.5	1498.8	1534.6	1585.7	1639.9	1675.0	1641.4	1540.7	1527.8	1386.7
17.5°	1489.6	1495.0	1517.1	1564.4	1630.7	1713.9	1793.2	1790.1	1678.8	1668.9	1485.1
20°	1508.7	1512.5	1532.3	1583.4	1663.5	1783.3	1916.8	1964.8	1847.4	1832.9	1604.0
22.5°	1569.0	1570.5	1579.6	1611.7	1686.4	1833.6	2042.6	2168.5	2046.4	2027.4	1737.5
25°	1667.3	1666.6	1670.4	1675.7	1730.7	1884.7	2163.9	2398.1	2274.5	2253.9	1888.5
27.5°	1792.4	1792.4	1801.6	1786.3	1808.5	1948.0	2283.6	2662.0	2539.9	2510.9	2054.1
30°	1939.6	1938.9	1960.2	1935.8	1942.7	2048.0	2412.5	2949.5	2860.3	2824.4	2244.7
32.5°	2139.5	2134.9	2159.3	2125.8	2102.9	2199.0	2569.7	3250.0	3243.9	3189.0	2484.2
35°	2391.9	2384.3	2391.9	2359.2	2318.0	2410.3	2775.6	3549.8	3669.5	3611.6	2769.5
37.5°	2642.9	2667.3	2675.7	2619.2	2585.7	2678.0	3023.5	3818.3	4076.1	4015.8	3066.2
40°	2938.8	2931.2	2960.2	2896.9	2875.5	2977.7	3266.0	4018.1	4398.0	4340.7	3330.1
42.5°	3157.0	3170.7	3206.6	3171.5	3154.7	3250.8	3469.7	4134.8	4621.4	4565.0	3518.5
45°	3418.6	3428.5	3442.2	3413.3	3395.7	3490.3	3616.9	4185.9	4791.5	4730.5	3645.1
47.5°	3701.6	3709.2	3709.2	3649.7	3593.3	3632.2	3715.3	4214.9	4947.9	4889.2	3738.9
50°	3904.5	3908.3	3941.8	3899.9	3777.1	3716.8	3760.3	4243.1	5051.6	4996.7	3769.5
52.5°	3724.5	3719.9	3830.5	3917.4	3950.2	3830.5	3838.1	4284.3	5102.0	5054.7	3793.9
55°	3136.4	3128.8	3284.4	3495.6	3784.7	3938.0	3931.9	4308.7	5157.6	5128.7	3882.3
57.5°	2273.7	2260.8	2477.4	2712.3	3091.4	3507.1	3751.1	4295.0	5182.0	5179.8	3985.3
60°	1366.8	1356.1	1560.6	1807.7	2100.6	2518.6	2923.6	3847.3	4855.6	4860.2	3717.6
62.5°	841.3	851.2	1035.8	1161.7	1270.7	1396.6	1630.7	2588.0	3597.1	3626.8	2612.4
65°	566.0	573.6	744.4	903.1	903.1	738.3	633.8	1237.2	1919.1	1868.7	1235.6
67.5°	379.8	388.2	523.2	708.6	735.3	514.8	257.0	369.2	534.7	518.7	305.9
70°	223.5	232.6	348.6	485.9	535.4	358.5	171.6	156.4	151.8	147.2	119.0
72.5°	99.9	103.7	177.7	247.1	225.8	151.0	121.3	125.1	118.2	115.9	96.9
75°	30.5	32.0	45.8	53.4	54.2	54.2	73.2	98.4	93.1	93.8	74.7
77.5°	7.6	7.6	12.2	11.4	6.1	5.3	13.7	22.1	22.9	20.6	15.3
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°	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1	1054.1
2.5°	1068.6	1048.8	1035.8	1017.5	1004.5	990.8	978.6	968.7	963.3	961.8	962.6
5°	1093.0	1061.7	1031.2	996.1	971.7	948.8	930.5	916.0	909.2	906.9	906.9
7.5°	1130.4	1086.9	1032.7	977.8	936.6	900.8	879.4	863.4	857.3	855.8	851.2
10°	1179.2	1119.7	1030.5	945.0	887.1	849.7	834.4	829.9	832.1	832.9	832.1
12.5°	1237.9	1154.0	1016.0	897.0	834.4	811.6	813.1	825.3	839.0	845.9	847.4
15°	1300.5	1185.3	983.2	839.8	789.4	788.7	810.8	839.0	865.7	877.1	880.2
17.5°	1370.6	1210.5	932.8	778.8	750.5	772.7	812.3	855.8	891.6	910.7	914.5
20°	1447.7	1231.1	868.8	721.6	716.2	755.9	810.8	864.2	908.4	929.8	933.6
22.5°	1527.8	1245.6	794.8	668.9	684.9	736.8	796.3	848.2	890.1	914.5	917.6
25°	1619.3	1247.1	719.3	624.7	656.0	710.9	761.2	803.9	839.0	860.4	862.7
27.5°	1699.4	1228.8	652.1	588.8	629.3	678.8	712.4	736.0	760.5	772.7	773.4
30°	1791.7	1196.7	588.8	559.9	601.8	639.2	656.0	661.3	663.6	665.9	662.8
32.5°	1901.5	1157.8	541.5	531.6	570.5	595.7	600.3	589.6	576.6	558.3	553.7
35°	2036.5	1122.8	502.6	504.2	536.2	551.5	547.6	524.8	499.6	477.5	473.7
37.5°	2183.0	1093.0	472.9	477.5	498.8	509.5	498.1	472.9	461.5	442.4	443.2
40°	2312.6	1068.6	446.2	450.8	460.7	470.6	452.3	435.5	456.9	455.4	456.9
42.5°	2404.9	1048.0	423.3	421.0	427.9	434.8	421.0	412.6	448.5	438.6	443.9
45°	2459.1	1028.9	404.3	390.5	401.2	413.4	404.3	393.6	405.8	360.0	356.2
47.5°	2495.7	1018.3	387.5	360.8	379.8	401.2	382.1	356.2	338.7	299.0	295.9
50°	2499.5	1012.9	367.6	330.3	354.7	377.6	355.4	319.6	294.4	276.9	274.6
52.5°	2519.3	1023.6	340.2	291.4	318.1	354.7	339.4	303.6	269.2	254.0	250.9
55°	2607.8	1068.6	294.4	238.0	276.9	337.1	326.5	270.8	238.0	228.8	226.5
57.5°	2699.3	1077.7	231.9	188.4	241.0	312.0	298.2	249.4	217.4	206.7	204.4
60°	2468.2	887.8	173.9	155.6	212.8	288.3	276.1	236.4	199.1	186.1	183.8
62.5°	1621.6	479.8	138.1	132.0	179.2	244.1	251.7	213.6	177.7	164.0	163.2
65°	747.5	222.7	106.0	104.5	140.3	194.5	216.6	186.9	150.3	138.1	138.1
67.5°	203.7	110.6	83.1	77.0	95.3	130.4	157.9	139.6	106.8	92.3	91.5
70°	101.4	89.2	74.7	66.4	68.6	80.9	93.1	77.8	54.2	44.2	43.5
72.5°	83.1	73.2	63.3	56.4	51.9	49.6	48.1	38.9	25.2	19.1	18.3
75°	61.8	52.6	45.0	36.6	31.3	29.0	25.9	19.1	10.7	6.1	5.3
77.5°	13.7	13.0	12.2	9.2	8.4	6.9	5.3	3.8	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)