

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: P631841

Luminaire Tested: GWS-SA2B-740-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631841
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-740-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4261.6 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

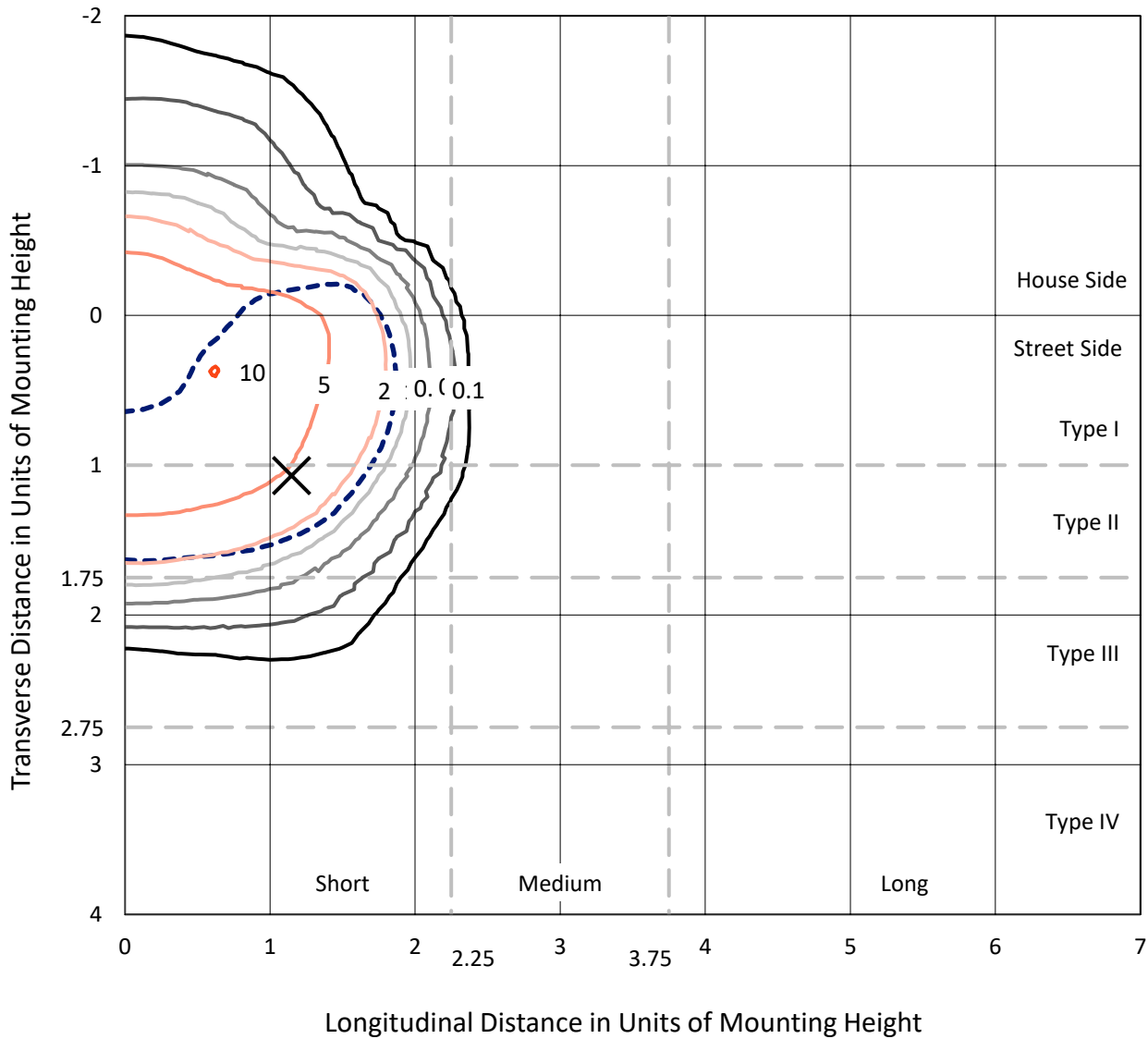
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

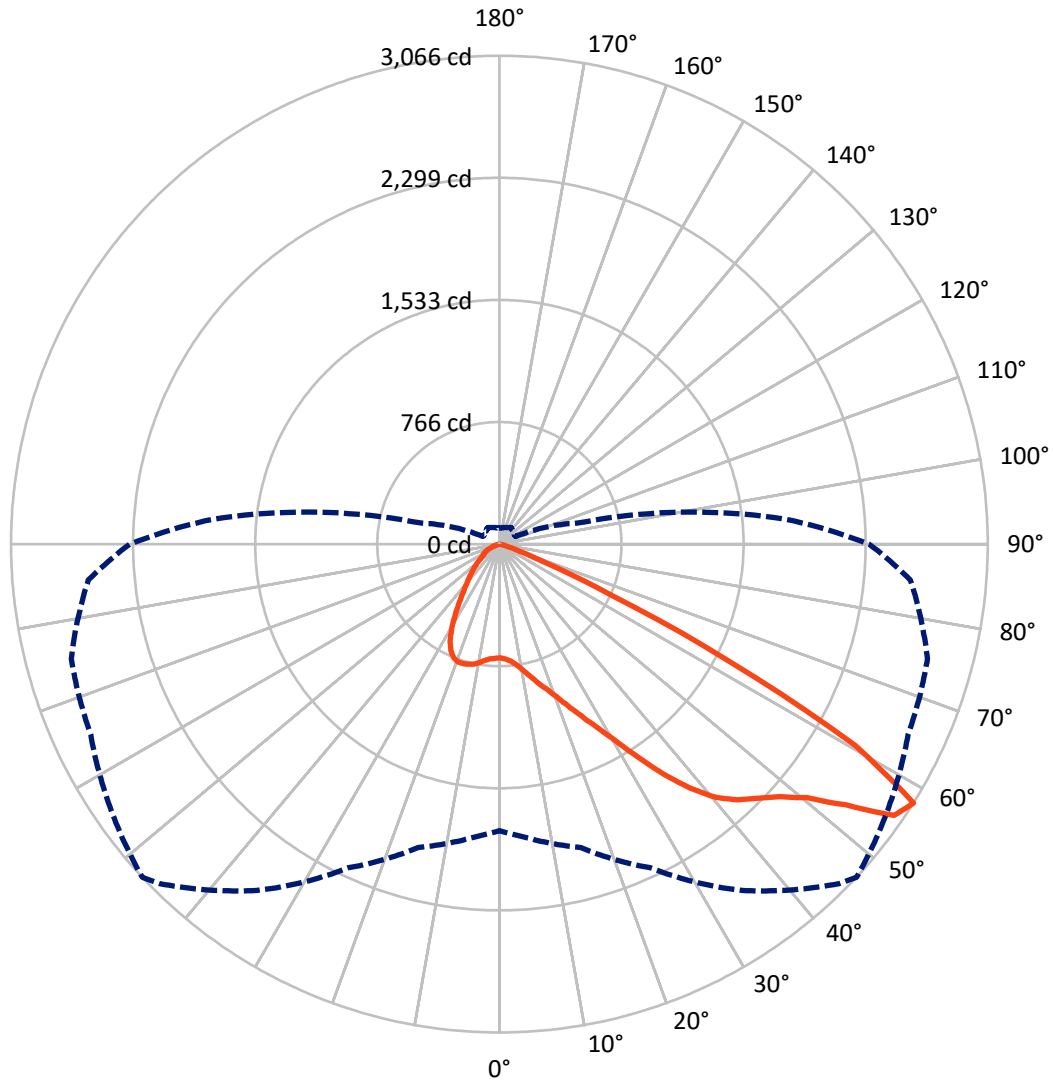
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	924.6	0.0	924.6
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3337.1	0.0	3337.1
	% Fixture	78.3	0.0	78.3
Total	Lumens	4261.6	0.0	4261.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.0	1.7
10°-20°	239.5	5.6
20°-30°	444.7	10.4
30°-40°	711.8	16.7
40°-50°	1040.5	24.4
50°-60°	1284.2	30.1
60°-70°	429.1	10.1
70°-80°	40.0	0.9
80°-90°	0.8	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°	4261.6	100.0
0°-180°	4261.6	100.0

Coefficient of Utilization



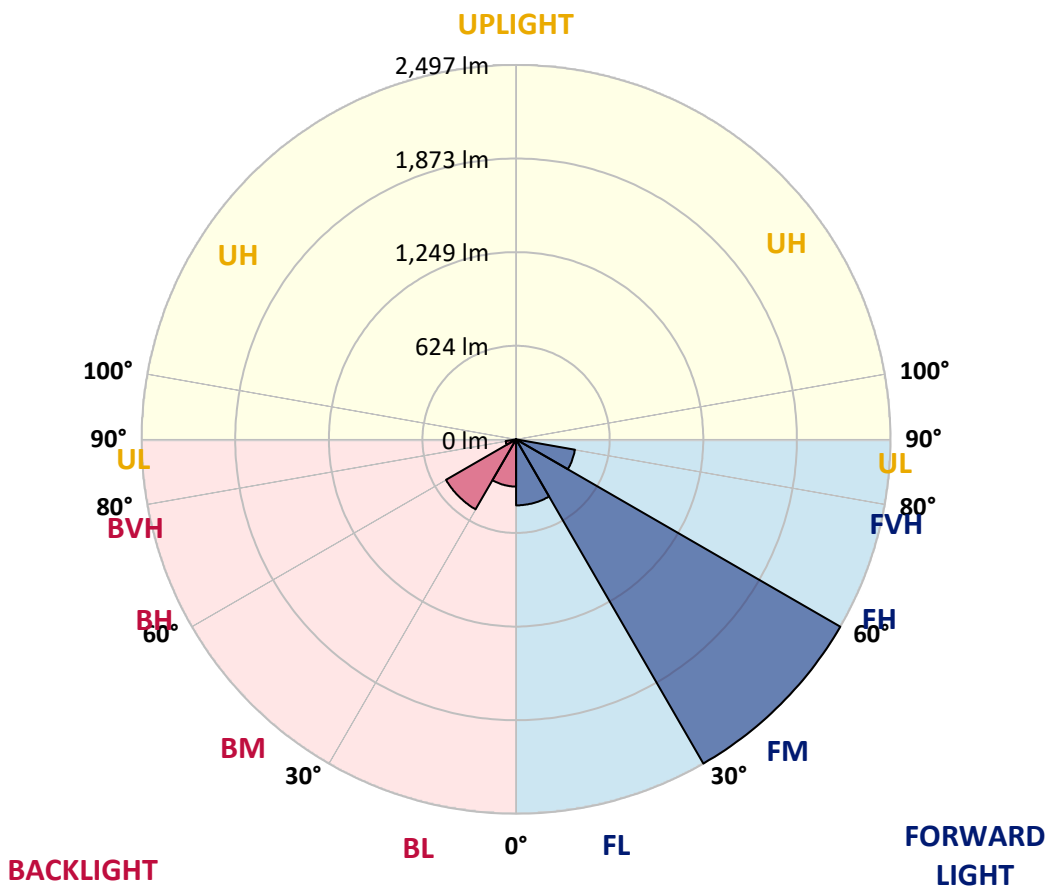
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	440.4	10.3			
FM (30°-60°)	2497.3	58.6			
FH (60°-80°)	398.8	9.4			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	314.7	7.4	B1/500		
BM (30°-60°)	539.3	12.7	B1/1000		
BH (60°-80°)	70.3	1.6	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4
2.5°	720.8	720.3	719.8	722.8	721.8	721.3	722.3	722.3	722.3	719.3	713.4
5°	738.1	738.1	737.6	740.6	738.1	736.6	737.1	737.1	735.2	729.7	722.3
7.5°	765.3	764.4	763.4	766.3	763.9	763.4	764.4	761.4	757.9	749.0	738.6
10°	804.4	804.4	802.9	805.9	803.9	802.9	802.9	801.0	794.5	780.7	765.3
12.5°	858.4	855.9	852.4	849.9	849.0	848.5	849.0	846.0	839.1	821.2	800.0
15°	917.2	915.2	909.8	905.8	900.4	899.4	902.4	899.9	893.0	868.7	838.6
17.5°	991.4	993.9	980.1	971.6	955.8	954.8	955.8	959.8	954.8	923.7	879.6
20°	1054.8	1056.7	1046.3	1040.4	1026.1	1019.6	1021.6	1028.0	1022.6	986.0	924.6
22.5°	1122.5	1125.0	1114.1	1101.8	1095.3	1095.3	1102.7	1111.7	1104.2	1056.2	976.1
25°	1203.7	1205.6	1196.7	1180.4	1169.0	1183.4	1194.3	1218.0	1205.6	1140.3	1036.9
27.5°	1296.7	1297.2	1284.3	1267.5	1261.6	1288.3	1299.2	1335.8	1330.8	1234.8	1101.3
30°	1396.1	1396.6	1393.6	1382.3	1376.8	1412.0	1426.8	1479.7	1476.3	1352.1	1188.8
32.5°	1499.5	1499.5	1505.0	1504.0	1510.4	1567.8	1591.5	1651.9	1648.4	1495.6	1297.7
35°	1603.4	1603.9	1613.3	1637.1	1663.8	1740.0	1771.1	1844.3	1836.4	1667.2	1436.7
37.5°	1721.7	1716.7	1729.6	1765.2	1824.6	1912.6	1942.3	2012.1	2003.1	1842.9	1618.3
40°	1864.1	1855.2	1855.2	1896.8	1964.1	2065.5	2090.7	2125.3	2095.2	1984.8	1796.4
42.5°	2021.5	2013.0	2002.2	2038.8	2095.2	2174.3	2195.1	2185.7	2161.0	2118.9	1999.2
45°	2180.8	2167.9	2175.3	2197.6	2230.2	2267.8	2275.7	2232.2	2220.8	2232.7	2166.9
47.5°	2302.0	2293.1	2311.4	2342.5	2369.2	2374.7	2369.2	2308.9	2307.9	2350.0	2283.2
50°	2342.5	2343.5	2394.0	2462.3	2505.3	2509.8	2502.3	2433.1	2423.7	2436.0	2346.0
52.5°	2346.5	2350.4	2424.2	2554.3	2671.5	2725.0	2719.0	2644.3	2552.3	2538.9	2441.0
55°	2251.0	2274.3	2377.2	2567.1	2816.5	2987.2	3007.0	2864.0	2727.4	2716.1	2645.3
57.5°	1799.3	1846.8	1971.0	2241.6	2654.7	3014.4	3065.8	2962.9	2830.8	2782.3	2590.4
60°	1075.5	1134.4	1253.6	1585.6	2020.5	2477.6	2566.1	2580.5	2519.6	2379.6	1987.3
62.5°	461.6	456.6	603.6	857.9	1201.7	1574.7	1614.8	1677.1	1730.1	1583.6	1206.1
65°	158.3	172.2	239.4	386.9	601.6	731.2	766.8	822.7	897.9	741.1	441.8
67.5°	98.0	103.9	138.0	228.6	324.5	319.6	303.8	294.9	286.9	196.4	121.2
70°	71.2	76.2	97.0	157.3	218.2	153.4	133.1	107.9	119.7	110.3	86.1
72.5°	48.0	51.9	66.8	95.5	111.8	74.7	69.3	78.7	95.0	90.5	70.3
75°	28.7	31.2	38.1	46.5	45.5	38.6	39.1	55.4	72.7	67.8	50.0
77.5°	19.8	20.8	25.2	30.2	22.3	11.9	10.9	15.3	24.7	24.7	16.8
80°	4.9	6.4	6.4	4.0	3.5	3.0	3.0	4.5	6.9	4.9	2.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
87.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
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°	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4	713.4
2.5°	716.9	710.9	714.9	713.9	716.9	717.8	713.4	712.4	712.9	707.0	705.0
5°	723.8	716.9	718.8	716.9	720.3	723.3	721.8	723.8	726.3	721.8	719.8
7.5°	738.6	731.7	731.2	728.2	733.2	735.2	734.7	740.1	745.1	742.1	739.1
10°	764.4	755.0	754.0	751.5	753.0	754.5	749.0	750.0	754.5	751.0	749.5
12.5°	796.0	784.6	782.2	776.2	776.2	768.8	756.9	754.5	757.9	755.4	753.0
15°	830.2	814.8	810.9	800.5	790.6	776.7	764.4	761.4	763.9	760.9	758.9
17.5°	868.2	850.9	838.1	819.8	798.0	781.7	767.8	761.4	757.4	751.5	751.0
20°	905.8	883.1	861.3	832.1	803.4	778.7	755.9	739.1	724.8	715.9	712.4
22.5°	949.4	915.7	880.6	839.6	798.5	760.9	720.8	692.1	667.4	659.0	655.0
25°	995.9	952.3	899.9	846.5	781.7	721.3	666.9	624.3	591.7	580.8	576.4
27.5°	1047.3	987.5	919.7	845.0	747.0	664.9	592.7	539.7	507.6	497.7	501.2
30°	1112.6	1033.0	944.4	829.7	695.1	585.8	501.2	456.6	432.4	423.0	423.5
32.5°	1199.7	1098.3	980.5	797.0	628.3	495.7	421.5	388.9	372.5	360.2	359.2
35°	1324.4	1197.7	1014.2	744.6	547.2	415.6	361.6	335.9	313.2	298.8	301.3
37.5°	1473.8	1322.9	1032.5	673.8	456.1	353.2	316.6	290.4	264.7	243.4	245.9
40°	1650.9	1486.7	1031.0	580.8	373.0	310.7	279.0	248.4	216.2	196.9	198.9
42.5°	1848.3	1641.5	998.9	482.4	309.2	276.1	242.9	204.3	173.2	161.3	161.8
45°	2019.5	1767.2	942.5	380.4	260.2	242.4	205.3	165.7	151.9	143.5	143.0
47.5°	2146.1	1859.2	861.8	299.3	220.6	211.7	168.7	148.4	137.5	130.6	129.6
50°	2216.9	1891.3	772.8	234.5	186.5	179.6	150.9	134.6	127.1	122.7	121.7
52.5°	2311.9	1929.9	708.9	185.0	156.3	146.9	139.0	125.2	120.2	116.8	115.3
55°	2462.3	2004.6	653.5	146.9	130.1	128.1	131.1	119.7	116.8	111.3	109.3
57.5°	2320.8	1800.8	507.6	113.8	109.8	117.3	126.7	114.3	106.9	101.9	99.9
60°	1633.1	1197.2	255.3	91.5	98.0	109.8	119.2	103.4	96.0	97.0	96.0
62.5°	900.4	599.1	114.8	76.7	85.1	97.0	101.9	89.5	84.6	93.0	94.5
65°	294.4	203.8	66.3	59.4	67.3	79.2	88.1	85.1	84.1	94.0	97.0
67.5°	90.5	67.3	45.0	42.5	46.5	58.4	74.2	92.0	98.9	101.9	103.4
70°	67.8	52.9	38.6	36.1	38.1	44.5	62.8	76.7	72.2	72.7	71.7
72.5°	54.4	42.1	33.1	31.7	31.7	30.7	33.1	41.6	47.0	49.5	49.5
75°	38.1	29.7	25.2	23.3	18.3	14.8	13.4	13.4	11.9	11.4	10.9
77.5°	12.9	10.9	9.9	7.9	5.4	4.5	4.0	3.5	2.5	1.5	1.0
80°	2.0	1.5	1.0	1.0	1.0	0.5	0.5	0.5	0.0	0.0	0.0
82.5°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.0
85°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	0.5	0.5	0.5	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)