

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: P630356

Luminaire Tested: GWS-SA1D-740-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630356
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-SA1D-740-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3744.5 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

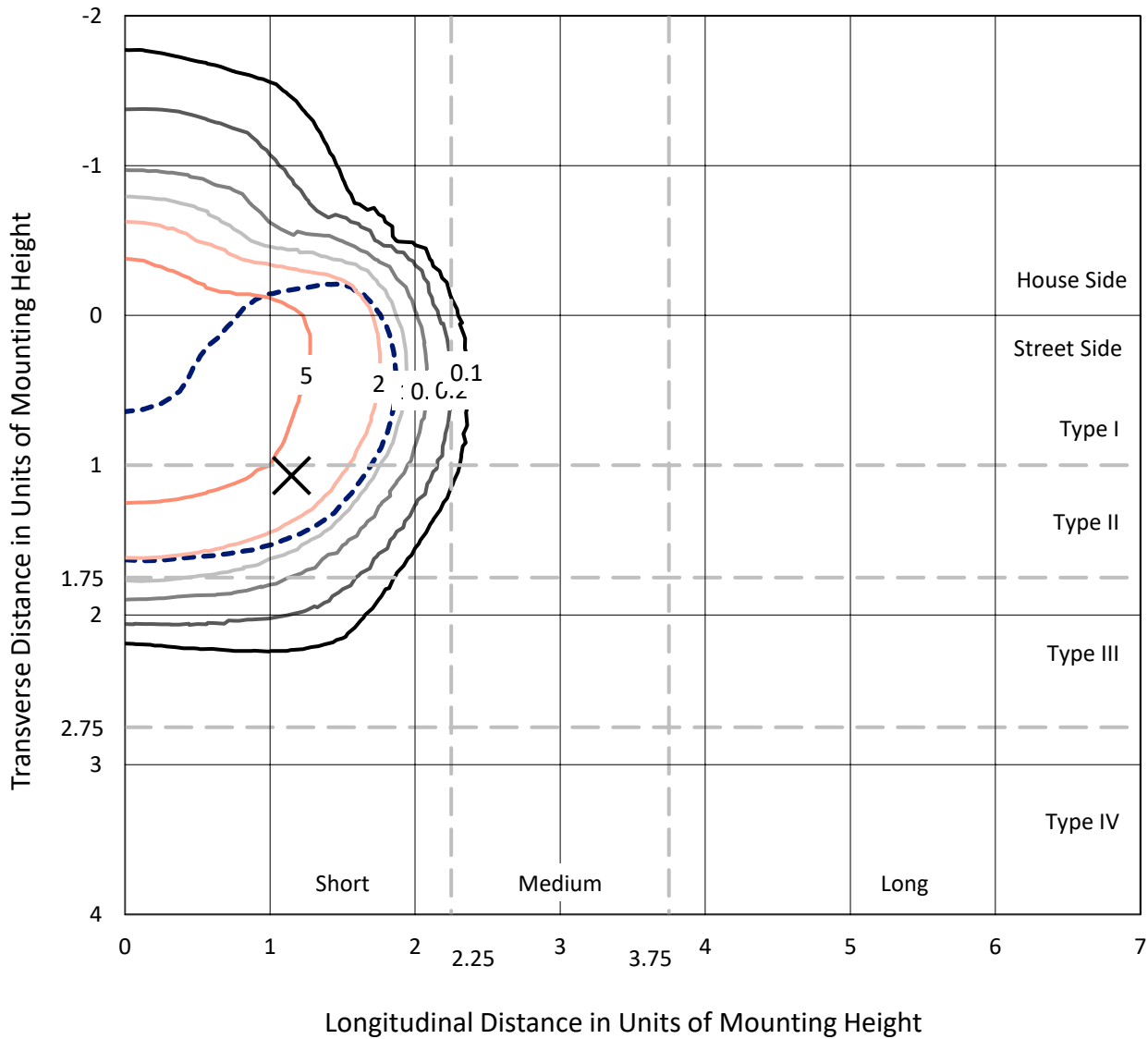
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

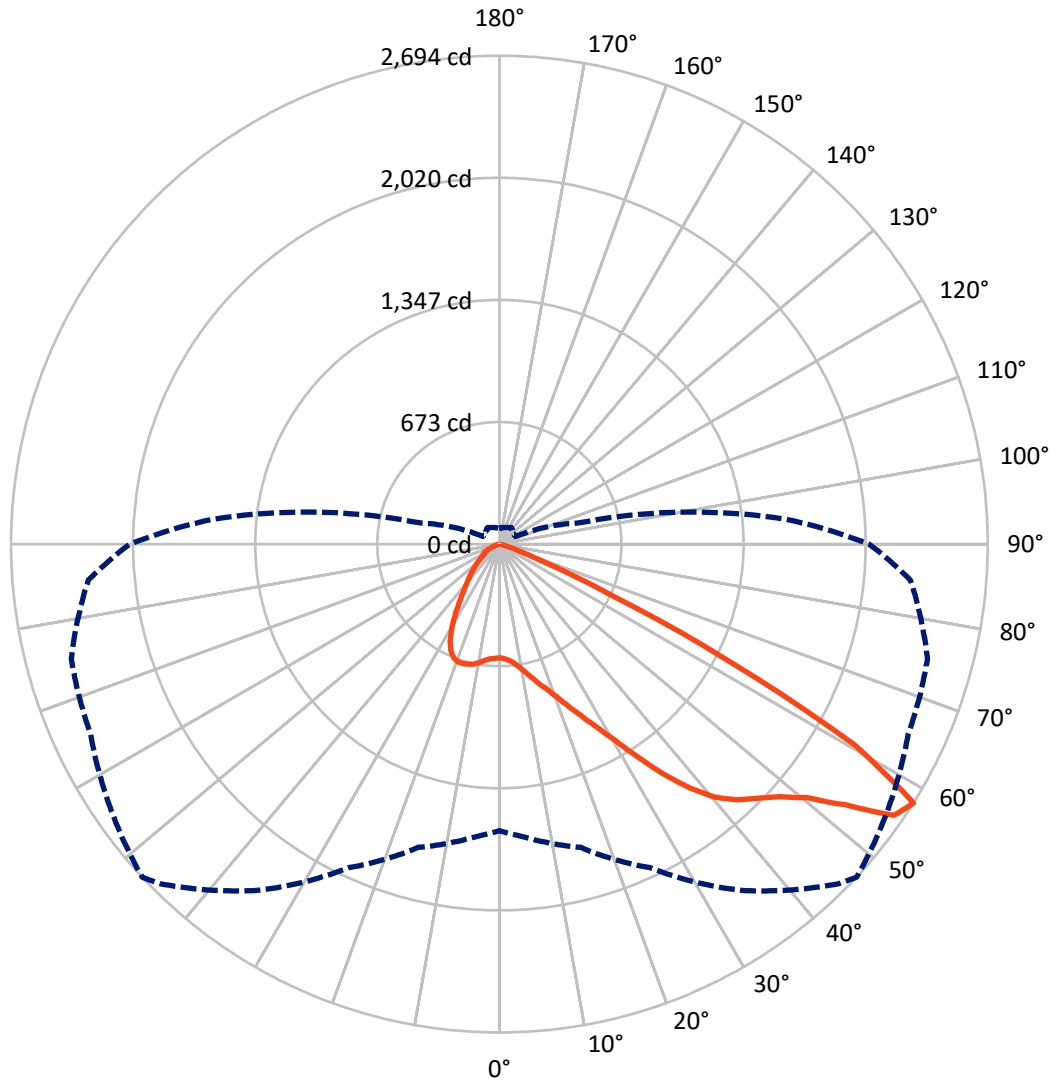
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 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	812.4	0.0	812.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	2932.1	0.0	2932.1
	% Fixture	78.3	0.0	78.3
Total	Lumens	3744.5	0.0	3744.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.4	1.7
10°-20°	210.4	5.6
20°-30°	390.7	10.4
30°-40°	625.5	16.7
40°-50°	914.3	24.4
50°-60°	1128.4	30.1
60°-70°	377.0	10.1
70°-80°	35.1	0.9
80°-90°	0.7	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°	3744.5	100.0
0°-180°	3744.5	100.0

Coefficient of Utilization



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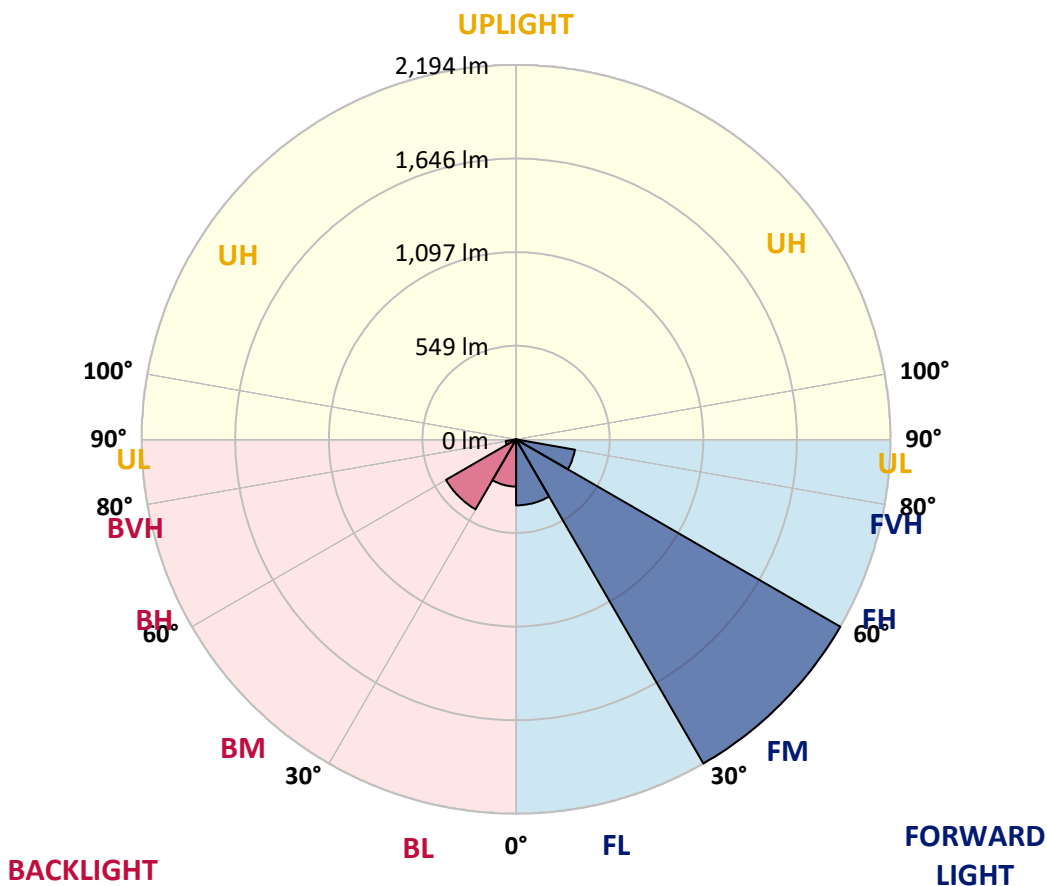
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	387.0	10.3			
FM (30°-60°)	2194.2	58.6			
FH (60°-80°)	350.4	9.4			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	276.5	7.4	B1/500		
BM (30°-60°)	473.9	12.7	B1/1000		
BH (60°-80°)	61.8	1.6	B0/110		G0/110
BVH (80°-90°)	0.2	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°	626.8	626.8	626.8	626.8	626.8	626.8	626.8	626.8	626.8	626.8	626.8
2.5°	633.4	632.9	632.5	635.1	634.2	633.8	634.7	634.7	634.7	632.0	626.8
5°	648.6	648.6	648.1	650.7	648.6	647.3	647.7	647.7	646.0	641.2	634.7
7.5°	672.5	671.6	670.7	673.3	671.2	670.7	671.6	669.0	666.0	658.1	649.0
10°	706.8	706.8	705.5	708.1	706.4	705.5	705.5	703.8	698.1	686.0	672.5
12.5°	754.2	752.0	749.0	746.8	745.9	745.5	745.9	743.3	737.2	721.6	702.9
15°	805.9	804.2	799.4	795.9	791.1	790.3	792.9	790.7	784.6	763.3	736.8
17.5°	871.1	873.3	861.1	853.7	839.8	839.0	839.8	843.3	839.0	811.6	772.9
20°	926.8	928.5	919.4	914.2	901.6	895.9	897.6	903.3	898.5	866.4	812.4
22.5°	986.3	988.5	978.9	968.1	962.4	962.4	968.9	976.8	970.2	928.1	857.7
25°	1057.6	1059.4	1051.5	1037.2	1027.2	1039.8	1049.4	1070.2	1059.4	1002.0	911.1
27.5°	1139.3	1139.8	1128.5	1113.7	1108.5	1132.0	1141.5	1173.7	1169.3	1085.0	967.6
30°	1226.7	1227.2	1224.5	1214.5	1209.8	1240.6	1253.7	1300.2	1297.1	1188.0	1044.6
32.5°	1317.6	1317.6	1322.3	1321.5	1327.1	1377.6	1398.4	1451.5	1448.4	1314.1	1140.2
35°	1408.9	1409.3	1417.5	1438.4	1461.9	1528.8	1556.2	1620.6	1613.6	1464.9	1262.4
37.5°	1512.7	1508.4	1519.7	1551.0	1603.2	1680.5	1706.6	1767.9	1760.1	1619.2	1421.9
40°	1637.9	1630.1	1630.1	1666.6	1725.7	1814.9	1837.0	1867.5	1840.9	1744.0	1578.4
42.5°	1776.2	1768.8	1759.2	1791.4	1840.9	1910.5	1928.8	1920.5	1898.8	1861.8	1756.6
45°	1916.1	1904.8	1911.4	1930.9	1959.6	1992.7	1999.6	1961.4	1951.4	1961.8	1904.0
47.5°	2022.6	2014.8	2030.9	2058.3	2081.8	2086.5	2081.8	2028.7	2027.9	2064.8	2006.1
50°	2058.3	2059.2	2103.5	2163.5	2201.3	2205.2	2198.7	2137.8	2129.6	2140.4	2061.3
52.5°	2061.8	2065.2	2130.0	2244.3	2347.4	2394.3	2389.1	2323.5	2242.6	2230.9	2144.8
55°	1977.9	1998.3	2088.7	2255.6	2474.7	2624.7	2642.1	2516.5	2396.5	2386.5	2324.3
57.5°	1581.0	1622.7	1731.8	1969.6	2332.6	2648.6	2693.8	2603.4	2487.3	2444.7	2276.1
60°	945.0	996.8	1101.5	1393.2	1775.3	2177.0	2254.8	2267.4	2213.9	2090.9	1746.2
62.5°	405.6	401.2	530.3	753.8	1055.9	1383.6	1418.9	1473.6	1520.1	1391.5	1059.8
65°	139.1	151.3	210.4	339.9	528.6	642.5	673.8	722.9	789.0	651.2	388.2
67.5°	86.1	91.3	121.3	200.8	285.2	280.8	266.9	259.1	252.1	172.6	106.5
70°	62.6	66.9	85.2	138.2	191.7	134.8	116.9	94.8	105.2	96.9	75.6
72.5°	42.2	45.6	58.7	83.9	98.2	65.6	60.9	69.1	83.5	79.5	61.7
75°	25.2	27.4	33.5	40.9	40.0	33.9	34.3	48.7	63.9	59.6	43.9
77.5°	17.4	18.3	22.2	26.5	19.6	10.4	9.6	13.5	21.7	21.7	14.8
80°	4.3	5.7	5.7	3.5	3.0	2.6	2.6	3.9	6.1	4.3	2.2
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.9
87.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9
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°	626.8	626.8	626.8	626.8	626.8	626.8	626.8	626.8	626.8	626.8	626.8
2.5°	629.9	624.7	628.1	627.3	629.9	630.7	626.8	626.0	626.4	621.2	619.4
5°	636.0	629.9	631.6	629.9	632.9	635.5	634.2	636.0	638.1	634.2	632.5
7.5°	649.0	642.9	642.5	639.9	644.2	646.0	645.5	650.3	654.7	652.0	649.4
10°	671.6	663.3	662.5	660.3	661.6	662.9	658.1	659.0	662.9	659.9	658.6
12.5°	699.4	689.4	687.3	682.0	682.0	675.5	665.1	662.9	666.0	663.8	661.6
15°	729.4	715.9	712.5	703.3	694.6	682.5	671.6	669.0	671.2	668.6	666.8
17.5°	762.9	747.7	736.4	720.3	701.2	686.8	674.7	669.0	665.5	660.3	659.9
20°	795.9	775.9	756.8	731.2	705.9	684.2	664.2	649.4	636.8	629.0	626.0
22.5°	834.2	804.6	773.8	737.7	701.6	668.6	633.4	608.1	586.4	579.0	575.5
25°	875.0	836.8	790.7	743.8	686.8	633.8	586.0	548.6	519.9	510.3	506.4
27.5°	920.3	867.7	808.1	742.5	656.4	584.2	520.8	474.3	446.0	437.3	440.3
30°	977.6	907.6	829.8	729.0	610.7	514.7	440.3	401.2	379.9	371.7	372.1
32.5°	1054.1	965.0	861.6	700.3	552.1	435.6	370.4	341.7	327.3	316.5	315.6
35°	1163.7	1052.4	891.1	654.2	480.8	365.1	317.8	295.2	275.2	262.6	264.7
37.5°	1295.0	1162.4	907.2	592.1	400.8	310.4	278.2	255.2	232.6	213.9	216.0
40°	1450.6	1306.3	905.9	510.3	327.8	273.0	245.2	218.2	190.0	173.0	174.7
42.5°	1624.0	1442.3	877.7	423.8	271.7	242.6	213.4	179.5	152.1	141.7	142.1
45°	1774.4	1552.7	828.1	334.3	228.7	213.0	180.4	145.6	133.5	126.1	125.6
47.5°	1885.7	1633.6	757.2	263.0	193.9	186.1	148.2	130.4	120.8	114.8	113.9
50°	1947.9	1661.8	679.0	206.0	163.9	157.8	132.6	118.2	111.7	107.8	106.9
52.5°	2031.3	1695.8	622.9	162.6	137.4	129.1	122.1	110.0	105.6	102.6	101.3
55°	2163.5	1761.4	574.2	129.1	114.3	112.6	115.2	105.2	102.6	97.8	96.1
57.5°	2039.2	1582.3	446.0	100.0	96.5	103.0	111.3	100.4	93.9	89.5	87.8
60°	1434.9	1052.0	224.3	80.4	86.1	96.5	104.8	90.9	84.3	85.2	84.3
62.5°	791.1	526.4	100.8	67.4	74.8	85.2	89.5	78.7	74.3	81.7	83.0
65°	258.6	179.1	58.2	52.2	59.1	69.6	77.4	74.8	73.9	82.6	85.2
67.5°	79.5	59.1	39.6	37.4	40.9	51.3	65.2	80.9	86.9	89.5	90.9
70°	59.6	46.5	33.9	31.7	33.5	39.1	55.2	67.4	63.5	63.9	63.0
72.5°	47.8	36.9	29.1	27.8	27.8	27.0	29.1	36.5	41.3	43.5	43.5
75°	33.5	26.1	22.2	20.4	16.1	13.0	11.7	11.7	10.4	10.0	9.6
77.5°	11.3	9.6	8.7	7.0	4.8	3.9	3.5	3.0	2.2	1.3	0.9
80°	1.7	1.3	0.9	0.9	0.9	0.4	0.4	0.4	0.0	0.0	0.0
82.5°	0.9	0.9	0.9	0.9	0.9	0.4	0.4	0.0	0.0	0.0	0.0
85°	0.9	0.9	0.9	0.9	0.9	0.4	0.4	0.0	0.0	0.0	0.0
87.5°	0.9	0.9	0.9	0.9	0.4	0.4	0.4	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)