

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: P630362

Luminaire Tested: GWS-SA1D-740-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630362
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-740-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4746.9 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

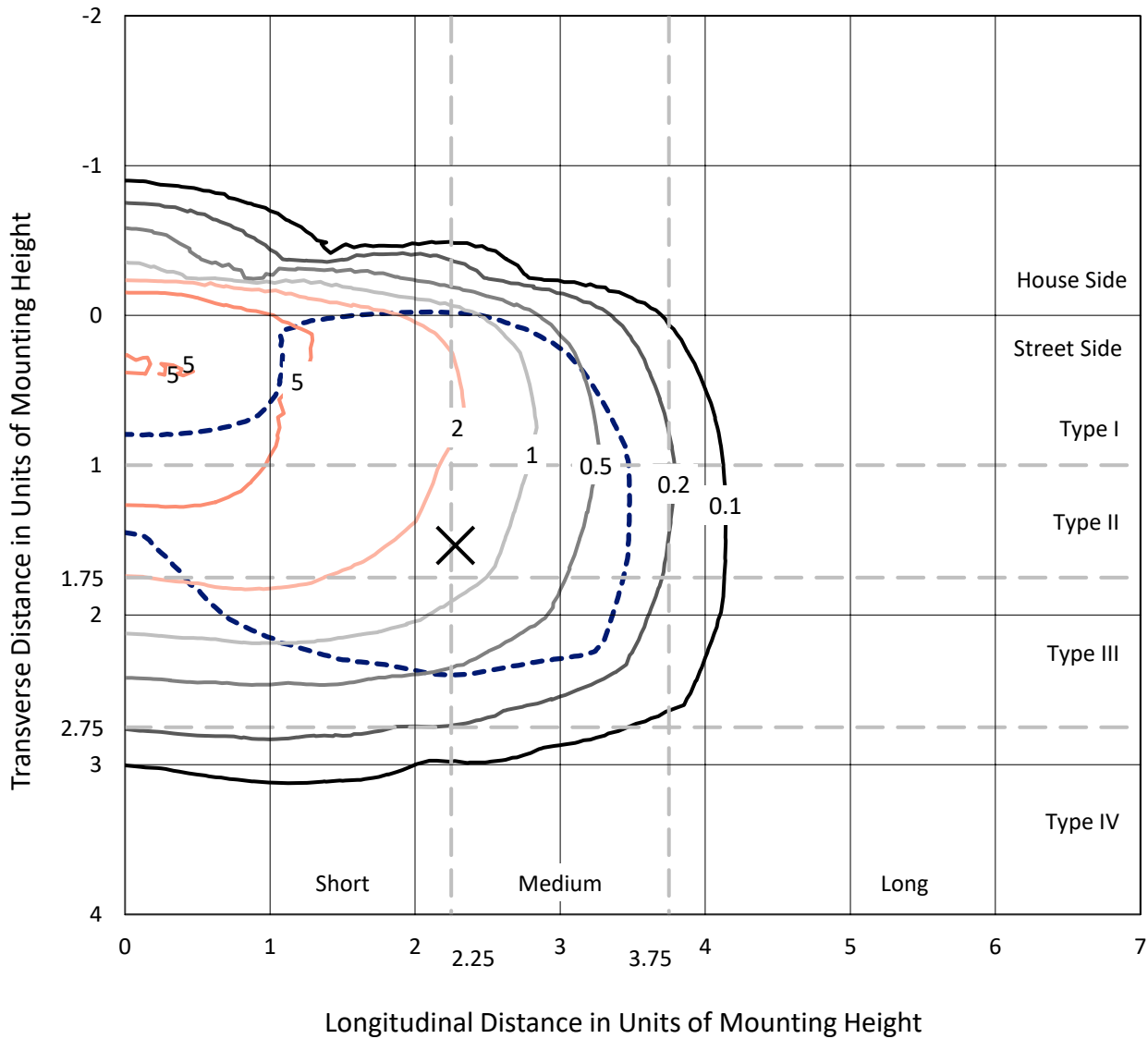
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

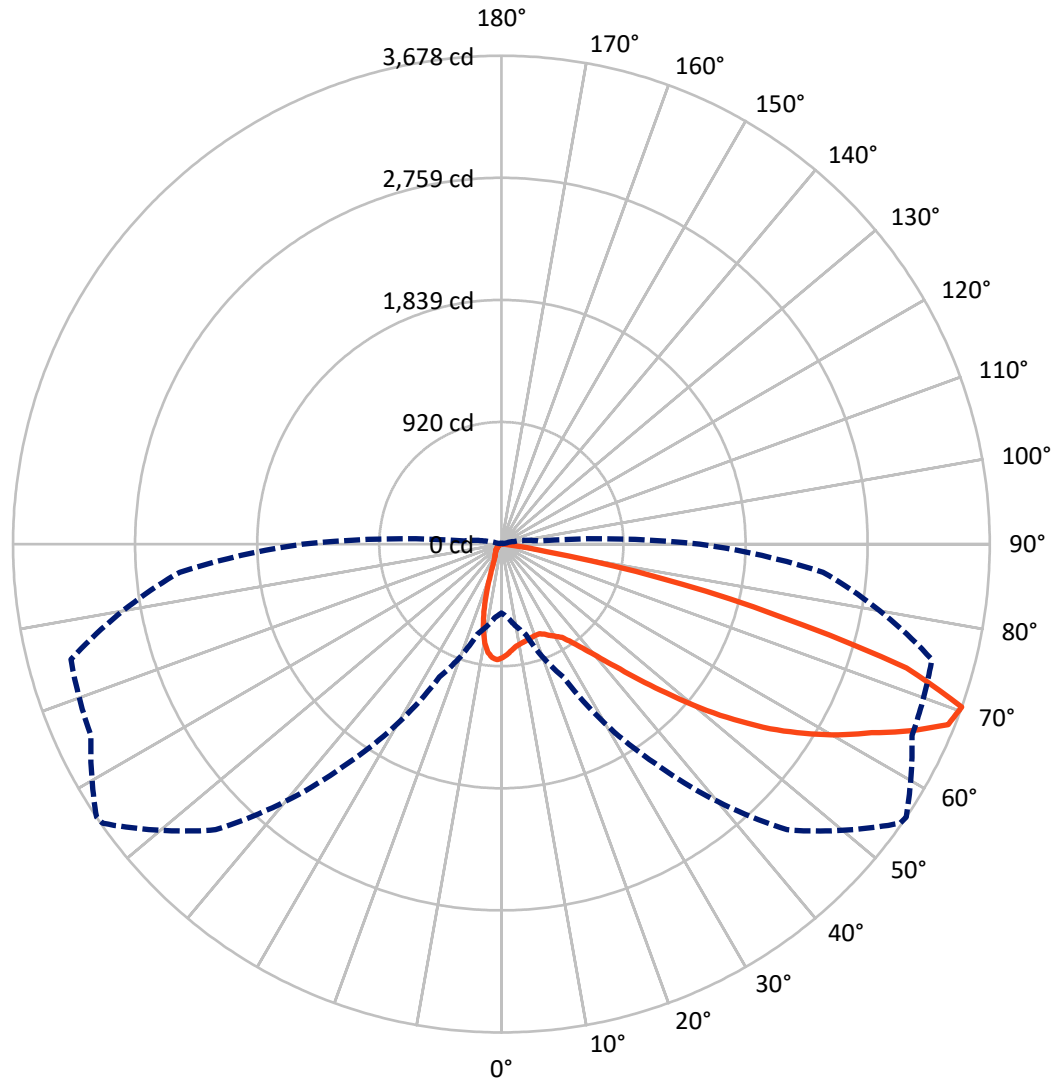
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	426.4	0.0	426.4
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4320.5	0.0	4320.5
	% Fixture	91.0	0.0	91.0
Total	Lumens	4746.9	0.0	4746.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.5	1.5
10°-20°	165.3	3.5
20°-30°	261.8	5.5
30°-40°	451.5	9.5
40°-50°	762.4	16.1
50°-60°	1120.2	23.6
60°-70°	1328.1	28.0
70°-80°	566.3	11.9
80°-90°	17.8	0.4
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°	4746.9	100.0
0°-180°	4746.9	100.0

Coefficient of Utilization



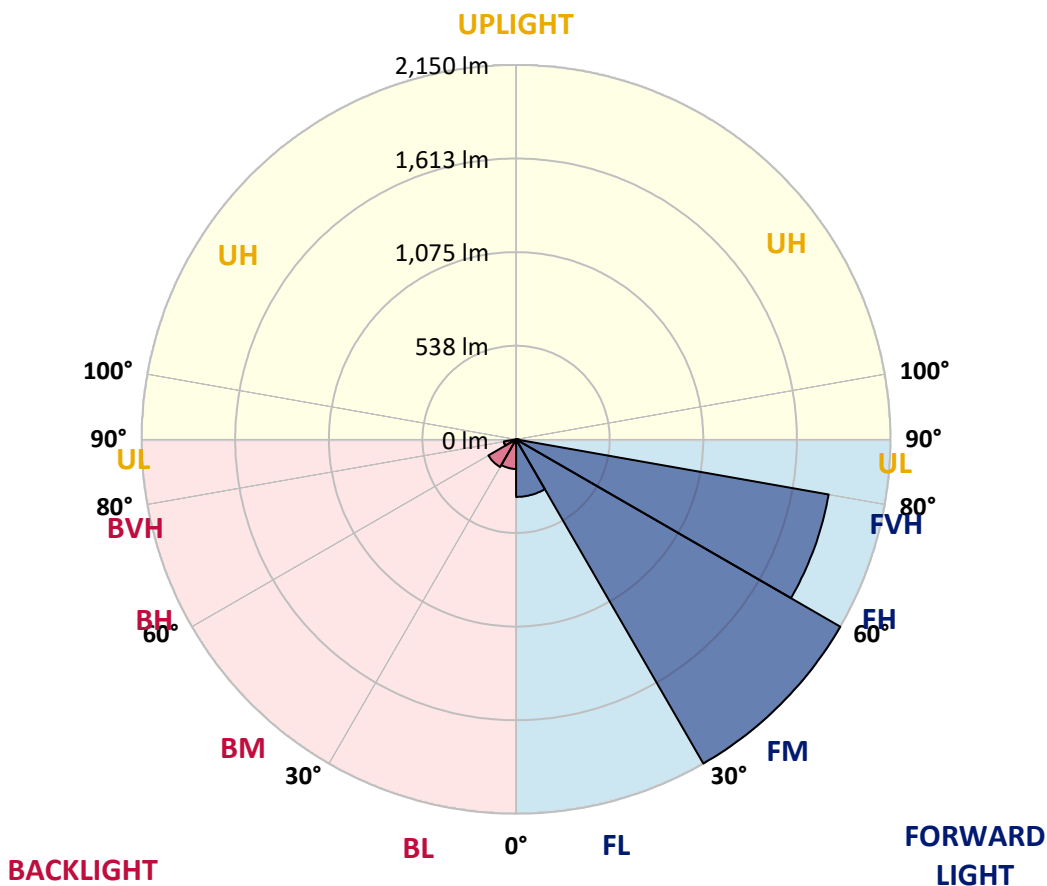
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	330.8	7.0			
FM (30°-60°)	2150.5	45.3			
FH (60°-80°)	1823.3	38.4			G2/5000
FVH (80°-90°)	16.0	0.3			G1/100
BL (0°-30°)	169.8	3.6	B1/500		
BM (30°-60°)	183.6	3.9	B0/220		
BH (60°-80°)	71.1	1.5	B0/110		G0/110
BVH (80°-90°)	1.8	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-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	855.9	855.9	855.9	855.9	855.9	855.9	855.9	855.9	855.9	855.9	855.9
2.5°	796.8	795.5	796.4	802.9	815.1	820.7	830.3	832.0	839.8	849.8	853.7
5°	745.1	740.7	742.9	752.0	765.9	781.6	799.4	804.2	823.7	845.9	862.4
7.5°	697.7	692.9	698.1	712.5	732.0	749.0	775.5	778.5	809.8	849.0	879.0
10°	623.4	624.7	635.1	660.3	690.3	725.5	761.2	765.5	804.2	859.0	905.5
12.5°	566.4	563.4	574.7	603.4	645.5	696.8	750.3	755.9	804.6	874.2	939.4
15°	539.9	539.0	543.8	564.7	605.5	666.0	740.3	747.7	810.3	888.1	971.5
17.5°	540.8	539.5	539.0	551.2	581.6	642.9	729.4	739.0	815.1	903.3	1005.4
20°	578.6	572.5	561.6	556.0	574.2	628.1	722.0	732.9	822.0	919.4	1041.5
22.5°	657.7	659.9	630.7	600.3	591.6	629.9	721.2	733.8	837.2	944.6	1085.9
25°	815.9	812.4	758.5	690.3	642.9	649.9	736.4	751.6	867.2	980.7	1127.6
27.5°	1014.1	1017.2	943.3	834.6	735.5	691.2	764.2	779.4	902.0	1003.3	1155.4
30°	1230.2	1227.1	1148.0	1027.6	866.8	759.8	792.0	805.5	919.4	1015.4	1184.1
32.5°	1434.5	1427.5	1349.3	1223.2	1034.1	868.1	830.3	838.1	942.4	1042.0	1222.8
35°	1608.8	1608.4	1540.1	1405.8	1206.3	1003.7	895.9	902.4	985.5	1084.1	1279.7
37.5°	1788.8	1782.7	1706.2	1583.6	1383.2	1152.4	996.3	993.7	1053.3	1146.3	1349.7
40°	1936.6	1932.7	1874.0	1756.2	1567.1	1316.7	1118.0	1110.2	1133.7	1232.4	1447.1
42.5°	2046.1	2046.5	2028.3	1956.6	1761.8	1506.7	1271.0	1258.9	1258.4	1362.3	1575.8
45°	2129.1	2134.8	2162.2	2151.3	1991.8	1727.9	1467.1	1454.5	1433.2	1531.0	1723.1
47.5°	2167.8	2175.2	2257.8	2301.3	2193.0	1947.4	1700.5	1674.0	1632.3	1755.3	1887.9
50°	2163.9	2177.0	2292.1	2424.3	2375.6	2170.0	1954.8	1942.2	1874.0	1992.6	2050.9
52.5°	2075.2	2103.1	2294.3	2499.1	2516.0	2375.2	2217.8	2194.3	2161.3	2240.4	2203.9
55°	1834.4	1868.3	2202.6	2523.0	2625.6	2554.3	2475.2	2456.0	2401.3	2474.3	2337.4
57.5°	1703.6	1732.7	2009.6	2511.2	2718.6	2719.9	2704.2	2688.6	2643.4	2705.5	2493.8
60°	1624.9	1654.0	1906.6	2468.2	2802.9	2894.6	2919.4	2917.7	2852.5	2968.5	2677.3
62.5°	1509.7	1549.7	1799.2	2356.5	2862.9	3066.8	3141.5	3129.8	3057.2	3242.4	2859.0
65°	1277.1	1311.9	1579.2	2172.2	2827.7	3209.4	3382.4	3388.4	3304.5	3500.2	3002.4
67.5°	895.5	921.1	1186.7	1785.3	2588.6	3256.3	3628.8	3628.4	3485.4	3632.3	2939.0
70°	519.0	554.2	701.2	1103.7	2013.9	3042.9	3665.8	3678.4	3411.9	3356.3	2432.1
72.5°	200.8	230.0	397.3	586.4	1050.2	2330.8	3153.3	3190.2	2855.5	2589.0	1692.7
75°	60.0	66.9	186.9	312.1	421.7	1125.9	2134.8	2145.2	1958.7	1614.9	867.7
77.5°	44.8	49.6	81.7	157.8	147.8	341.2	1104.6	1206.3	1039.8	576.8	239.1
80°	30.4	36.1	58.2	76.9	54.8	90.9	310.4	340.8	317.3	129.5	60.0
82.5°	13.5	17.4	41.3	38.7	20.0	26.1	95.6	101.7	65.6	39.1	20.9
85°	1.3	1.7	15.6	17.0	7.4	6.1	20.0	20.0	14.3	13.5	8.7
87.5°	0.0	0.0	0.4	0.9	0.9	1.3	1.7	2.2	2.6	3.5	4.3
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°	855.9	855.9	855.9	855.9	855.9	855.9	855.9	855.9	855.9	855.9	855.9
2.5°	863.7	858.5	865.0	870.3	871.6	862.0	856.3	848.1	846.4	846.8	844.6
5°	875.5	872.9	877.6	872.0	857.2	829.4	805.5	779.0	764.6	756.4	755.5
7.5°	897.2	895.9	890.7	865.0	819.0	757.2	697.7	639.4	603.4	590.3	588.1
10°	929.4	926.8	905.5	844.6	746.4	627.7	527.7	444.3	393.4	378.6	360.4
12.5°	966.3	961.1	914.6	800.7	636.8	472.5	347.8	254.3	210.4	197.4	197.4
15°	1002.0	990.7	909.4	728.1	502.1	307.3	194.3	146.9	133.5	130.0	130.0
17.5°	1038.5	1016.8	889.0	629.0	346.9	181.7	129.5	120.4	118.7	119.1	119.5
20°	1072.8	1038.9	852.9	509.9	221.3	126.9	116.1	113.9	113.0	113.9	113.5
22.5°	1110.2	1059.4	798.1	379.9	143.9	114.3	110.4	108.7	107.8	109.1	109.1
25°	1147.2	1074.1	725.5	255.6	114.3	106.5	104.3	102.6	101.7	102.2	102.2
27.5°	1166.3	1068.5	630.3	163.0	102.6	98.7	96.5	94.3	93.0	92.6	93.0
30°	1179.3	1051.1	513.8	116.1	93.0	88.2	86.1	84.3	80.9	78.7	79.5
32.5°	1199.8	1033.7	387.3	97.4	85.2	77.8	74.3	70.0	65.2	63.0	63.0
35°	1224.1	1009.8	271.7	87.8	76.9	69.1	62.6	55.2	49.6	47.8	47.8
37.5°	1256.3	987.2	180.8	81.3	70.0	61.7	52.6	43.9	37.8	36.9	36.5
40°	1304.5	968.1	127.4	76.5	63.9	53.9	43.0	33.9	29.6	28.3	28.3
42.5°	1367.1	948.5	100.8	71.7	58.7	46.5	34.3	27.0	23.5	22.6	22.2
45°	1444.5	925.5	87.8	67.4	53.5	38.7	27.4	22.6	20.0	19.1	19.1
47.5°	1528.4	894.2	81.7	61.7	47.4	31.3	23.0	19.6	18.3	17.8	17.4
50°	1611.0	852.0	76.5	56.5	40.4	25.6	20.0	17.8	17.0	16.5	16.5
52.5°	1683.1	802.9	70.0	50.4	33.0	22.2	17.8	16.5	15.6	14.8	14.3
55°	1744.9	749.4	61.7	43.5	27.0	19.6	16.5	15.2	14.3	13.5	13.0
57.5°	1824.4	719.0	49.6	35.2	22.2	17.4	15.2	13.9	13.0	11.7	11.7
60°	1912.7	696.8	36.9	27.8	19.1	16.1	13.9	12.6	11.7	10.4	10.4
62.5°	1983.5	663.8	29.1	22.6	16.5	14.3	12.6	11.3	10.4	9.1	9.1
65°	2010.5	595.5	23.9	17.8	13.5	12.6	11.3	10.4	9.1	7.8	7.8
67.5°	1888.7	459.0	20.0	14.3	11.3	10.9	10.0	9.6	7.8	7.0	6.5
70°	1495.8	279.9	16.5	11.7	9.6	9.1	9.1	8.3	7.0	6.5	6.1
72.5°	1025.0	144.3	13.5	9.6	8.3	8.3	7.8	7.4	6.5	6.1	6.1
75°	532.5	48.3	10.4	7.4	6.5	7.0	7.0	6.5	6.1	6.1	5.7
77.5°	152.6	21.7	7.8	5.7	5.2	5.2	5.7	5.7	5.7	5.2	5.2
80°	39.6	12.6	5.7	4.3	4.3	4.3	4.3	4.8	5.2	4.8	4.8
82.5°	16.1	7.0	3.9	3.5	3.5	3.5	3.5	3.9	4.3	4.3	4.3
85°	10.0	3.5	3.0	3.0	3.0	2.6	2.6	3.0	3.0	3.5	3.5
87.5°	6.1	2.6	2.6	2.6	2.6	2.2	2.2	2.2	2.2	2.2	2.2
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)