

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: P629897

Luminaire Tested: GWS-SA1C-750-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629897
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-750-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3873.9 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

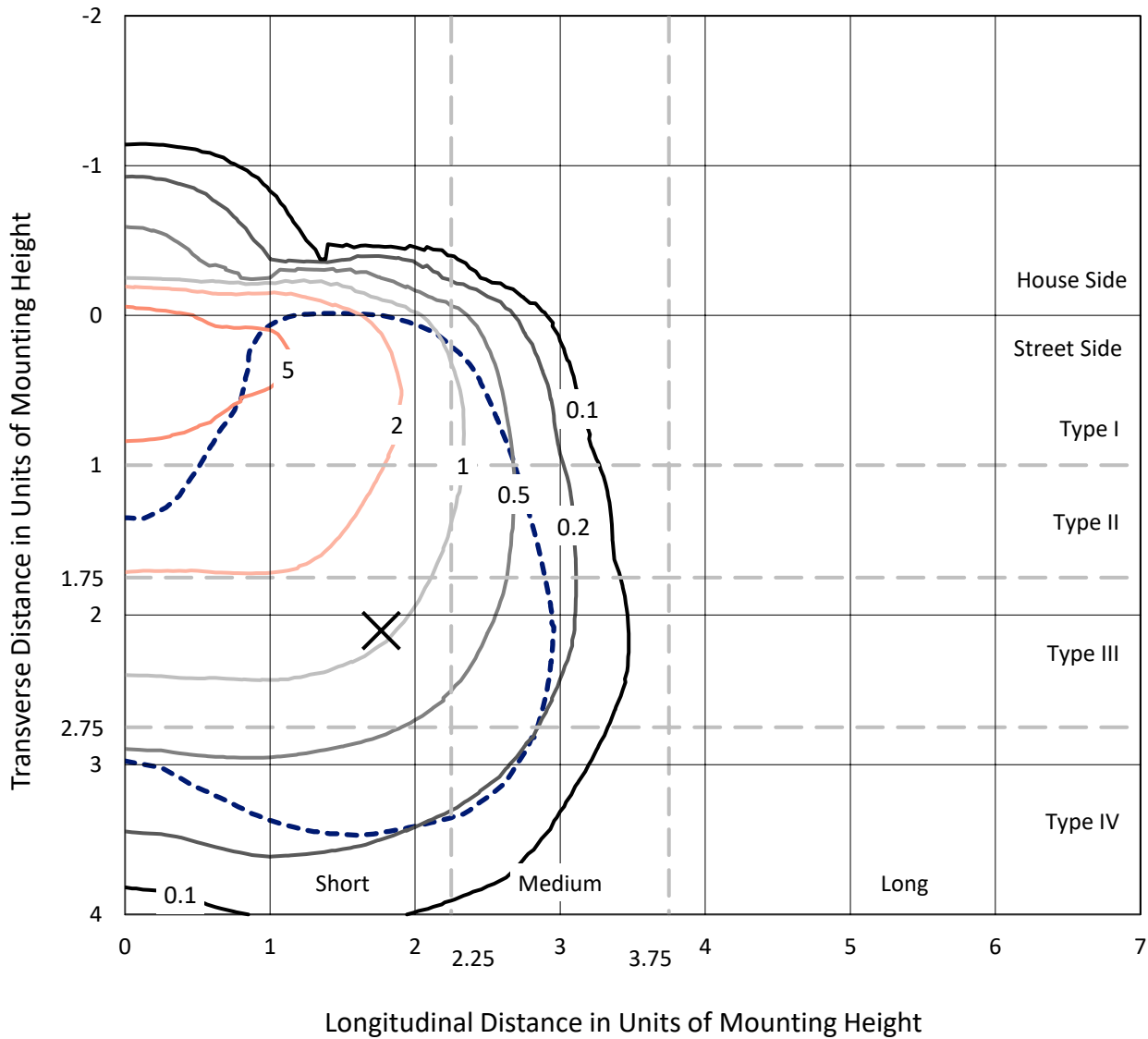
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

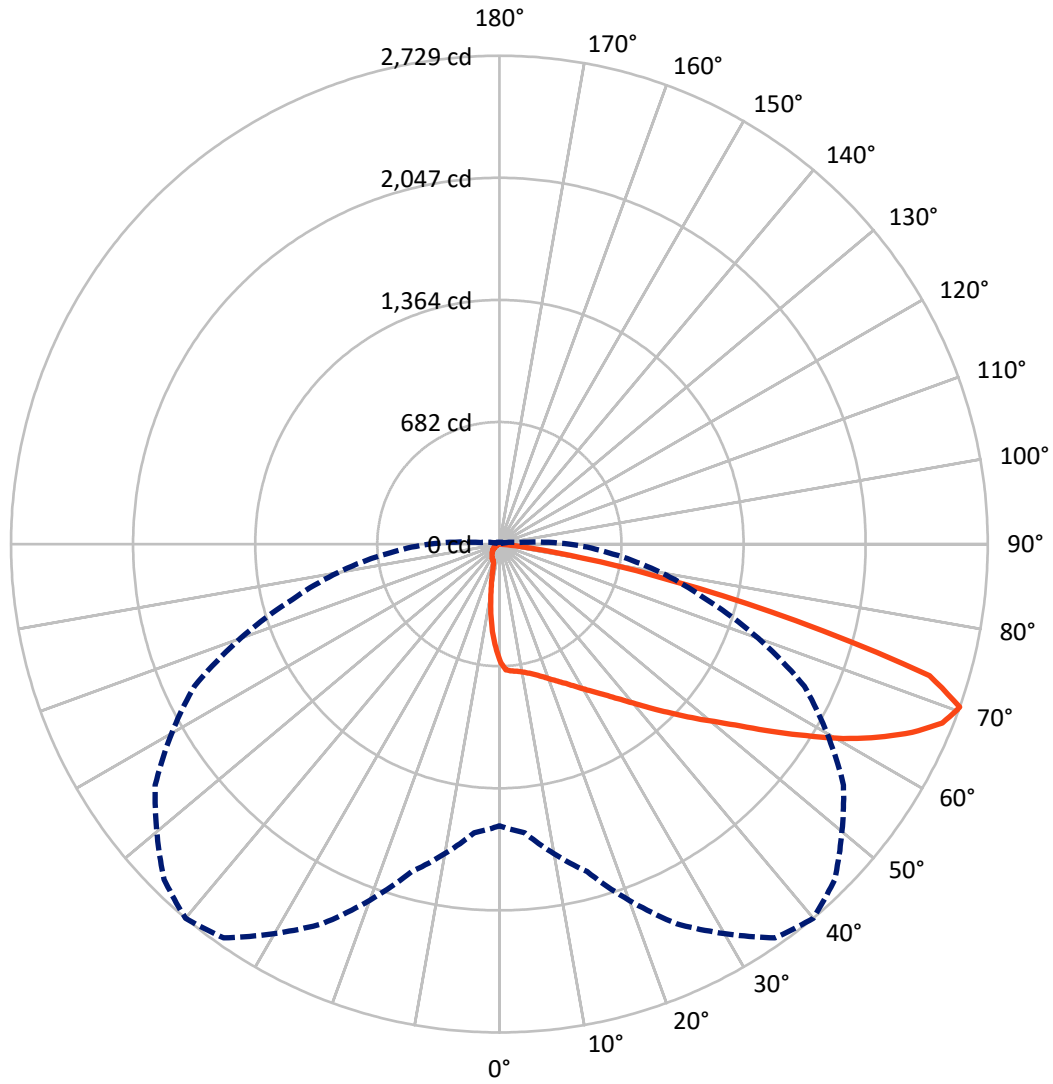
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	316.8	0.0	316.8
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	3557.1	0.0	3557.1
	% Fixture	91.8	0.0	91.8
Total	Lumens	3873.9	0.0	3873.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	1.4
10°-20°	140.9	3.6
20°-30°	235.8	6.1
30°-40°	370.4	9.6
40°-50°	585.9	15.1
50°-60°	854.7	22.1
60°-70°	1059.5	27.4
70°-80°	536.1	13.8
80°-90°	35.0	0.9
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°	3873.9	100.0
0°-180°	3873.9	100.0

Coefficient of Utilization



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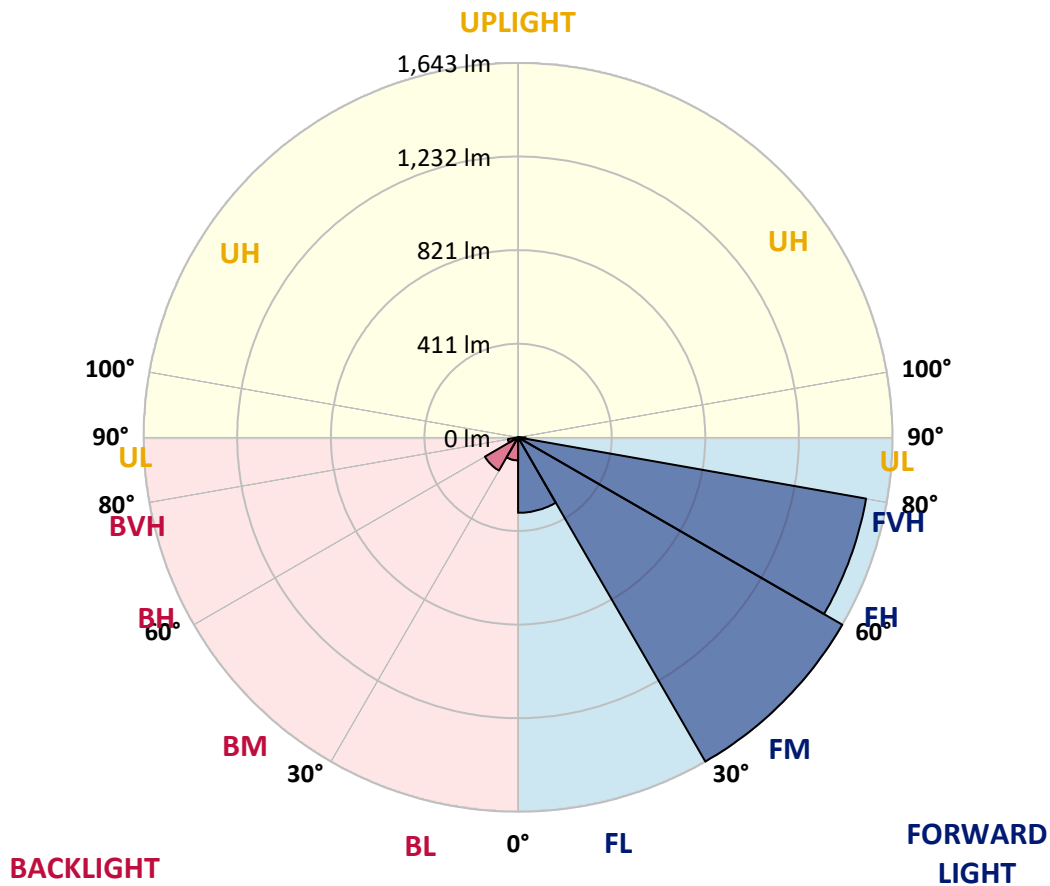
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	331.1	8.5			
FM (30°-60°)	1642.9	42.4			
FH (60°-80°)	1550.4	40.0			G1/1800
FVH (80°-90°)	32.7	0.8			G1/100
BL (0°-30°)	101.2	2.6	B0/110		
BM (30°-60°)	168.1	4.3	B0/220		
BH (60°-80°)	45.2	1.2	B0/110		G0/110
BVH (80°-90°)	2.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	657.4	657.4	657.4	657.4	657.4	657.4	657.4	657.4	657.4	657.4	657.4
2.5°	706.7	709.2	708.8	709.9	707.4	703.5	702.8	697.5	688.0	676.0	662.6
5°	721.2	724.0	721.9	720.8	716.2	712.0	710.9	705.3	694.4	678.2	654.9
7.5°	733.5	734.2	732.8	730.3	723.6	718.0	714.1	706.3	693.3	677.1	650.3
10°	735.6	735.3	736.0	736.3	732.1	727.1	724.0	713.4	696.8	679.6	650.7
12.5°	733.1	733.1	737.7	743.0	743.0	740.5	737.4	727.8	708.5	688.0	657.7
15°	736.3	737.4	746.2	756.0	759.2	756.8	755.3	745.5	725.4	702.8	670.4
17.5°	747.6	748.6	762.7	777.5	781.4	778.6	775.8	765.9	744.4	719.7	684.8
20°	764.2	767.0	784.9	804.0	807.5	804.0	798.3	784.6	763.1	738.1	698.6
22.5°	794.5	796.2	815.6	835.7	837.5	831.8	823.4	804.3	781.8	757.5	714.1
25°	834.6	837.1	856.5	875.9	871.3	862.8	851.2	829.7	804.0	780.4	733.8
27.5°	882.6	885.4	904.4	921.4	909.4	899.5	886.5	859.7	833.6	812.1	759.2
30°	934.4	936.9	953.8	968.9	953.1	941.4	925.9	898.4	872.0	855.8	795.2
32.5°	984.4	984.1	1000.3	1012.6	996.4	987.3	973.2	945.3	924.2	917.1	848.7
35°	1031.0	1031.0	1044.4	1056.7	1045.1	1040.1	1027.1	1004.9	992.9	1001.4	920.3
37.5°	1077.8	1075.4	1088.1	1101.8	1100.8	1101.1	1093.7	1083.1	1083.8	1113.8	1018.6
40°	1116.6	1115.6	1130.4	1148.3	1162.4	1173.7	1169.1	1173.0	1195.2	1251.3	1144.5
42.5°	1147.6	1150.1	1169.1	1197.7	1233.3	1256.2	1259.4	1275.2	1332.3	1419.0	1286.5
45°	1183.2	1183.6	1210.0	1253.7	1310.5	1346.8	1359.5	1400.4	1481.4	1593.2	1442.3
47.5°	1226.9	1222.7	1252.3	1313.7	1395.8	1449.4	1471.9	1523.0	1648.5	1763.0	1569.2
50°	1275.2	1267.5	1301.0	1384.5	1491.3	1558.3	1604.1	1678.8	1814.2	1902.6	1663.7
52.5°	1331.3	1323.9	1361.9	1465.9	1605.8	1687.3	1746.1	1821.6	1956.2	2009.1	1720.0
55°	1402.5	1395.1	1435.3	1563.6	1741.2	1846.9	1908.6	1972.1	2088.4	2087.7	1760.9
57.5°	1481.4	1471.2	1526.9	1686.9	1910.0	2020.0	2082.7	2113.8	2188.8	2148.7	1788.4
60°	1572.0	1562.8	1640.0	1833.9	2104.9	2206.8	2246.3	2233.6	2271.3	2184.6	1778.9
62.5°	1653.8	1649.6	1745.4	1989.7	2290.7	2376.7	2387.6	2332.3	2331.9	2185.3	1714.8
65°	1738.7	1746.8	1889.2	2169.1	2477.5	2535.3	2516.6	2430.3	2356.3	2099.0	1525.1
67.5°	1770.5	1794.1	1984.0	2331.2	2624.8	2670.0	2637.2	2479.3	2255.1	1808.5	1161.4
70°	1574.5	1618.9	1894.5	2340.4	2685.8	2728.8	2650.2	2347.4	1880.1	1198.0	636.2
72.5°	1197.3	1249.1	1578.7	1916.4	2415.5	2513.5	2379.2	1912.5	1211.8	524.8	213.6
75°	670.0	726.1	1175.8	1443.0	1621.7	1711.2	1661.9	1226.9	536.8	137.1	63.8
77.5°	226.6	245.3	547.0	892.8	1070.4	990.1	838.2	609.4	197.4	52.2	33.8
80°	134.3	141.3	203.7	444.5	563.2	467.0	368.7	225.2	100.5	27.8	23.6
82.5°	40.2	47.6	112.4	165.0	220.6	137.5	116.3	128.7	52.2	15.2	19.7
85°	0.0	0.0	24.0	51.1	57.8	22.6	22.6	73.0	9.5	6.3	14.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.8	1.1	1.4	3.2
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°	657.4	657.4	657.4	657.4	657.4	657.4	657.4	657.4	657.4	657.4	657.4
2.5°	653.1	640.8	626.3	612.6	599.5	582.6	574.5	564.7	556.2	551.6	554.1
5°	640.1	620.7	591.1	561.1	530.8	502.3	476.5	459.3	443.8	435.7	437.4
7.5°	628.8	602.7	556.5	507.6	458.9	409.9	370.1	339.1	315.1	305.2	303.5
10°	623.9	591.1	525.9	455.4	380.7	314.8	258.4	224.2	199.8	187.9	190.0
12.5°	626.3	585.1	499.8	404.3	307.4	230.5	176.6	144.5	127.2	120.2	118.4
15°	633.4	583.7	476.5	352.1	237.2	161.1	122.0	108.9	105.4	104.7	104.7
17.5°	641.5	584.0	452.6	299.2	180.1	119.5	104.3	101.9	100.8	100.1	100.5
20°	649.6	584.0	425.1	245.7	135.3	103.3	99.4	97.6	96.6	96.2	96.2
22.5°	659.5	584.0	394.4	196.0	108.6	98.0	94.8	93.8	92.7	92.3	92.0
25°	671.5	584.4	360.6	153.3	98.7	93.4	90.9	89.9	88.8	88.1	88.1
27.5°	688.7	587.2	323.2	119.5	93.1	89.2	87.1	86.0	84.9	83.9	83.9
30°	713.7	594.3	281.3	98.7	87.8	84.6	82.5	81.8	80.7	79.7	79.3
32.5°	751.1	606.6	237.9	88.5	82.8	79.7	77.2	76.5	75.4	74.4	74.0
35°	803.3	629.2	195.6	82.1	76.5	73.3	71.9	71.6	70.1	69.1	69.1
37.5°	879.8	665.8	155.1	75.8	71.2	68.7	67.0	66.3	64.9	63.8	63.4
40°	973.2	713.4	120.5	70.8	66.3	63.8	62.0	61.0	59.2	57.8	57.1
42.5°	1092.3	771.6	95.2	65.6	61.7	59.2	57.8	55.7	53.2	51.1	50.8
45°	1216.4	831.5	78.6	60.6	57.5	55.3	53.6	50.8	47.2	44.8	44.1
47.5°	1311.5	868.8	68.7	55.3	52.9	51.1	49.0	45.5	41.2	38.4	37.7
50°	1379.6	874.5	61.3	50.4	49.0	47.2	44.1	39.8	35.2	32.4	31.7
52.5°	1413.0	849.1	55.3	45.8	44.8	43.0	39.1	34.5	29.6	26.8	26.1
55°	1428.2	801.2	49.7	41.9	40.5	38.4	34.2	29.3	24.3	21.9	21.1
57.5°	1422.2	730.3	44.8	38.1	36.3	33.8	29.3	24.0	20.1	17.6	17.3
60°	1377.8	630.9	39.8	34.2	32.1	29.3	24.7	19.7	16.2	14.5	14.1
62.5°	1281.9	507.6	34.9	29.6	28.2	25.4	21.1	16.2	13.4	12.3	12.0
65°	1085.6	358.8	30.0	25.0	24.3	21.5	17.6	13.4	11.6	10.9	10.6
67.5°	780.4	218.2	25.4	21.5	20.8	18.3	14.8	11.6	10.6	10.2	10.2
70°	392.3	103.3	20.1	17.6	17.6	15.2	12.7	10.6	10.2	9.9	9.9
72.5°	133.2	44.1	15.2	13.7	14.5	13.0	10.9	9.9	9.9	9.9	9.9
75°	45.5	23.3	10.6	9.9	10.6	10.6	9.5	9.5	9.9	9.9	9.9
77.5°	29.6	15.5	7.4	6.7	8.1	8.1	8.1	8.8	9.5	9.5	9.5
80°	24.3	8.5	4.9	4.6	6.0	6.0	6.7	8.1	8.8	8.8	8.8
82.5°	20.8	5.3	2.8	3.2	4.2	4.6	5.6	6.7	7.8	8.1	8.1
85°	14.1	2.8	2.1	2.5	2.8	3.5	4.6	5.6	6.3	7.0	7.0
87.5°	3.9	1.1	1.4	1.8	1.8	2.5	3.5	4.2	4.9	5.3	5.3
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)