

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: P630133

Luminaire Tested: GWS-SA1D-722-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630133
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-722-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3931 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

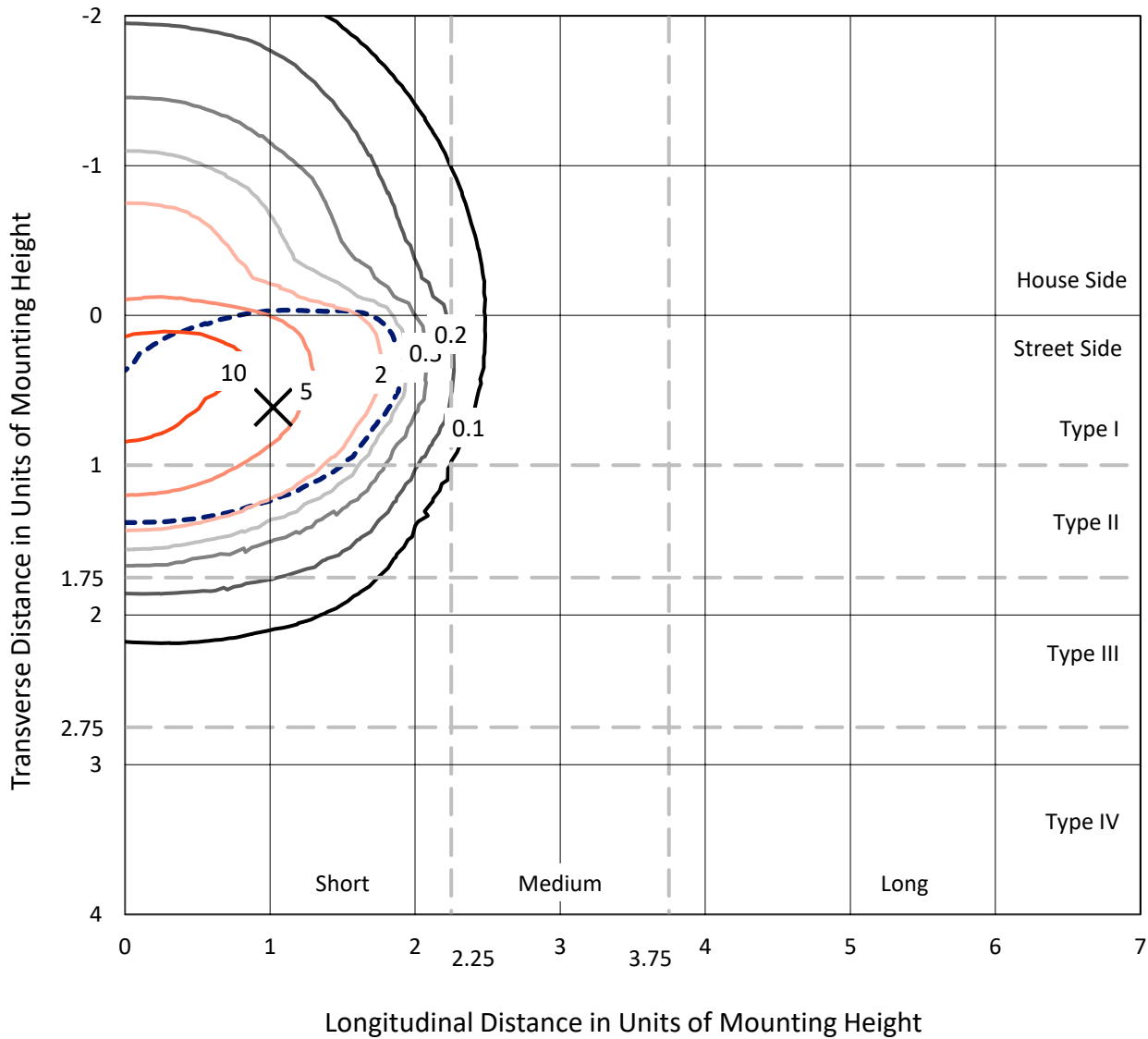
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630133
 CATALOG NUMBER: GWS-SA1D-722-U-T2R-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

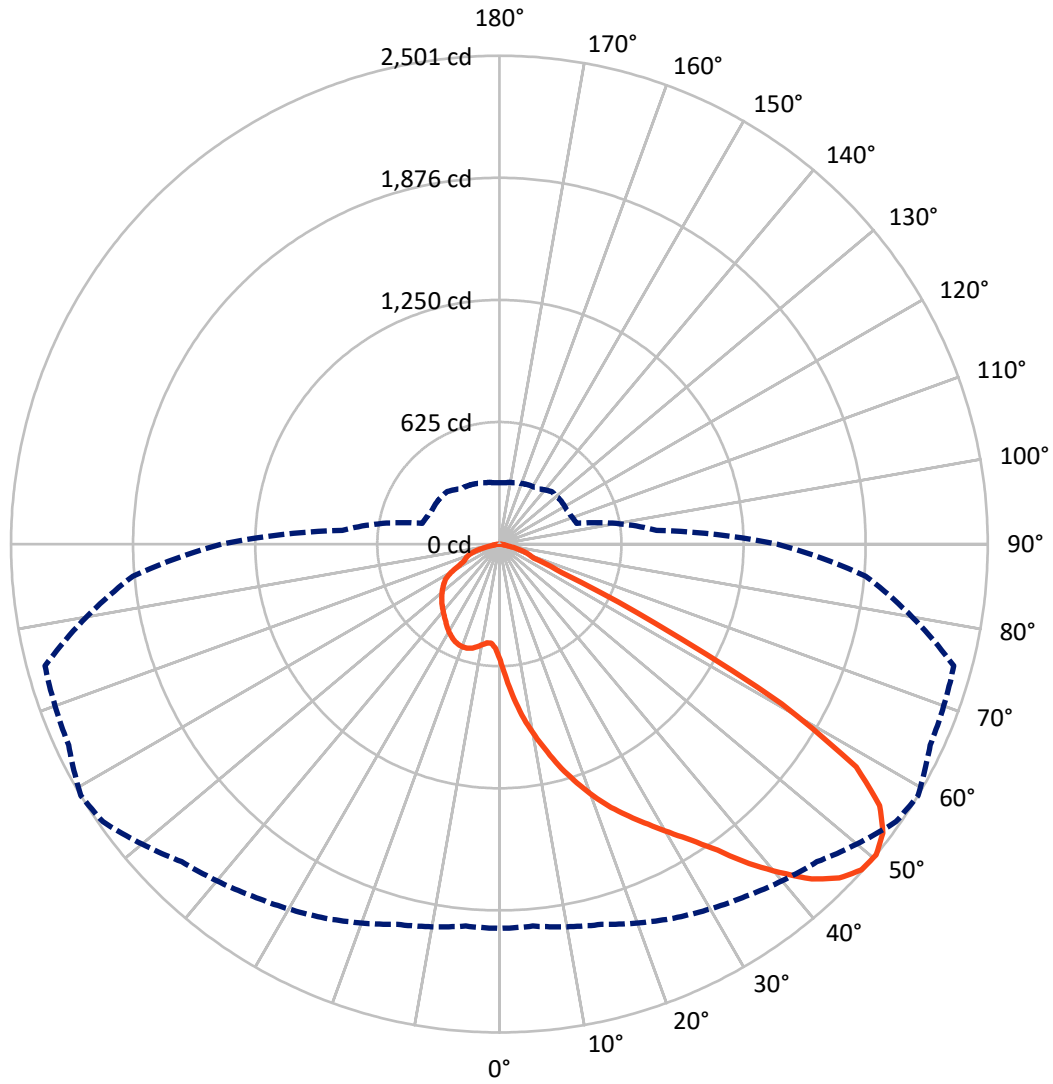
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.8 fc
 Type II - Short - N/A

REPORT NUMBER: P630133
CATALOG NUMBER: GWS-SA1D-722-U-T2R-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P630133

CATALOG NUMBER: GWS-SA1D-722-U-T2R-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	904.2	0.0	904.2
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	3026.8	0.0	3026.8
	% Fixture	77.0	0.0	77.0
Total	Lumens	3931.0	0.0	3931.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.8	1.7
10°-20°	242.5	6.2
20°-30°	459.3	11.7
30°-40°	761.6	19.4
40°-50°	1040.4	26.5
50°-60°	944.4	24.0
60°-70°	314.5	8.0
70°-80°	91.7	2.3
80°-90°	9.6	0.2
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°	3931.0	100.0
0°-180°	3931.0	100.0

Coefficient of Utilization



REPORT NUMBER: P630133

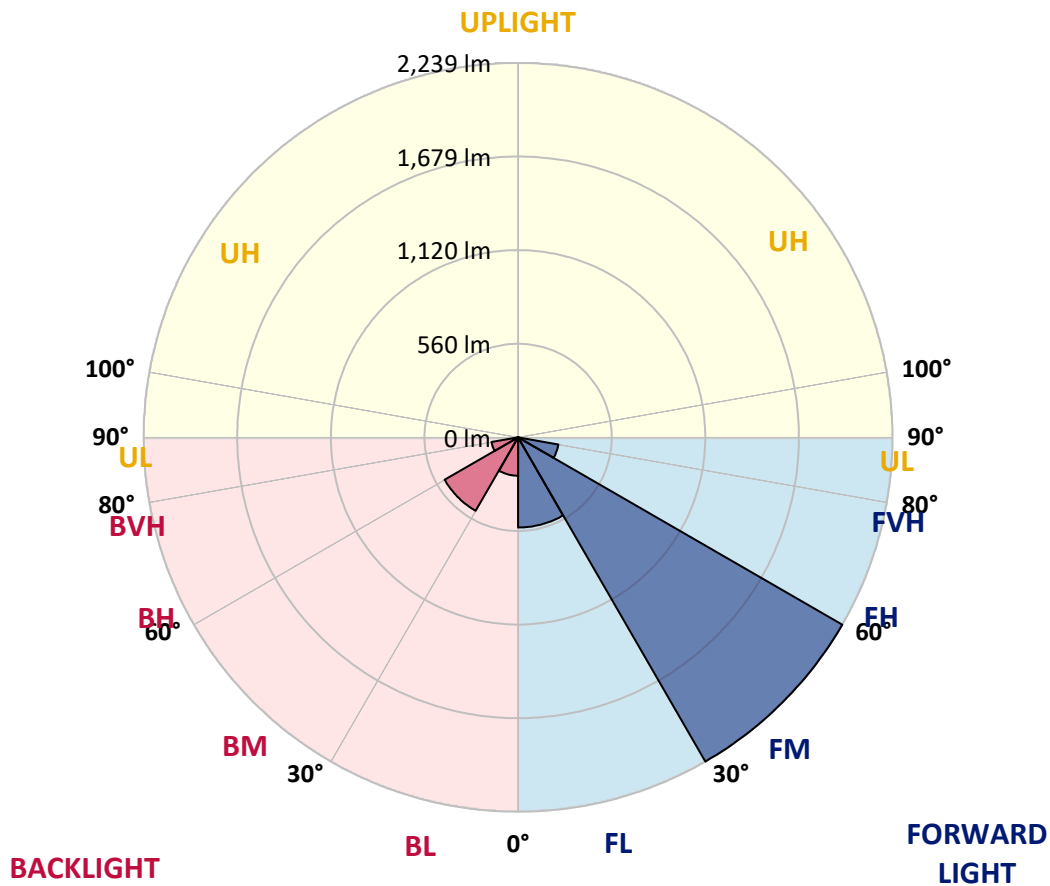
CATALOG NUMBER: GWS-SA1D-722-U-T2R-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	539.0	13.7			
FM (30°-60°)	2239.1	57.0			
FH (60°-80°)	244.8	6.2			G0/660
FVH (80°-90°)	3.8	0.1			G0/10
BL (0°-30°)	229.6	5.8	B1/500		
BM (30°-60°)	507.4	12.9	B1/1000		
BH (60°-80°)	161.4	4.1	B1/500		G1/500
BVH (80°-90°)	5.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P630133

CATALOG NUMBER: GWS-SA1D-722-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6
2.5°	771.7	777.4	768.5	769.1	746.7	736.5	707.6	690.7	679.5	648.1	619.6
5°	927.3	920.6	913.5	909.4	889.8	862.3	826.4	797.9	771.7	710.2	651.0
7.5°	1022.7	1019.2	1014.4	1011.8	992.6	963.8	927.9	903.6	865.5	782.3	689.1
10°	1103.7	1099.6	1096.7	1098.6	1082.9	1064.3	1025.3	997.4	954.5	858.5	735.2
12.5°	1166.5	1168.7	1169.7	1179.9	1173.2	1162.0	1121.7	1092.2	1044.5	938.8	789.3
15°	1216.1	1215.5	1226.7	1246.2	1257.1	1250.1	1217.7	1193.1	1134.8	1017.9	847.6
17.5°	1227.7	1228.3	1245.9	1280.2	1315.7	1333.0	1314.7	1285.3	1227.7	1096.0	908.1
20°	1236.9	1238.2	1256.5	1295.5	1347.4	1395.8	1398.6	1377.5	1327.9	1180.6	969.6
22.5°	1295.5	1298.4	1303.2	1327.9	1374.6	1435.8	1469.4	1464.9	1423.3	1269.3	1035.9
25°	1449.6	1440.9	1417.5	1410.5	1428.4	1478.0	1535.4	1544.0	1523.5	1366.9	1107.3
27.5°	1639.8	1630.5	1595.9	1559.4	1520.6	1537.9	1599.1	1625.0	1625.3	1474.5	1179.0
30°	1812.3	1805.0	1776.8	1724.6	1657.7	1632.7	1677.9	1712.8	1733.6	1598.8	1260.6
32.5°	1960.0	1953.2	1915.1	1872.5	1807.2	1756.9	1773.3	1806.9	1855.6	1759.5	1362.1
35°	2084.2	2077.5	2041.0	1998.1	1937.5	1907.4	1901.7	1924.7	1987.8	1927.3	1478.7
37.5°	2185.1	2178.3	2140.2	2099.9	2053.8	2055.7	2064.3	2075.5	2111.7	2106.9	1603.2
40°	2250.4	2243.3	2216.1	2187.3	2158.2	2181.2	2224.1	2210.7	2229.9	2252.0	1717.9
42.5°	2279.5	2270.5	2254.9	2248.5	2239.5	2275.3	2358.0	2344.5	2321.5	2348.7	1803.1
45°	2250.4	2242.7	2242.4	2261.9	2282.7	2328.8	2450.5	2439.6	2381.3	2395.4	1854.0
47.5°	2161.0	2154.3	2172.6	2223.8	2275.0	2342.3	2491.8	2493.7	2423.9	2415.0	1886.9
50°	1968.0	1963.5	2016.3	2113.3	2201.7	2300.3	2478.7	2500.8	2434.2	2408.9	1882.8
52.5°	1575.4	1596.2	1711.2	1873.2	2044.8	2226.7	2430.0	2458.8	2384.9	2368.8	1860.4
55°	1078.4	1088.0	1203.0	1439.6	1711.8	2067.2	2318.3	2362.8	2326.6	2362.1	1883.7
57.5°	558.4	566.1	656.7	866.8	1161.0	1633.7	2008.0	2154.0	2209.1	2396.1	1956.4
60°	229.3	235.7	273.1	374.6	585.6	951.3	1445.1	1661.5	1790.9	2188.3	1737.4
62.5°	166.5	169.7	187.6	223.5	306.8	466.2	817.8	897.5	988.5	1371.4	1103.1
65°	140.2	143.8	158.2	180.0	223.8	285.9	349.3	351.3	387.1	558.8	408.9
67.5°	117.5	120.7	133.5	152.1	180.9	203.0	187.6	188.0	187.3	202.7	196.0
70°	91.6	94.1	106.9	126.8	141.8	130.3	146.7	162.3	155.6	161.7	171.0
72.5°	66.9	69.8	81.0	96.1	92.2	92.9	118.8	134.8	131.0	137.7	146.3
75°	48.4	50.3	56.0	48.0	50.6	61.2	83.6	92.2	96.1	101.8	109.5
77.5°	15.7	15.7	17.6	22.1	27.5	33.9	42.6	46.1	51.9	58.3	63.7
80°	8.0	8.3	9.9	12.2	15.4	19.5	25.0	26.6	29.5	33.0	35.2
82.5°	3.8	4.2	4.8	6.1	8.0	10.2	13.8	15.4	17.3	19.5	21.1
85°	1.0	1.0	1.3	1.9	2.6	3.8	5.1	6.1	7.7	9.3	10.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	1.0	1.3	1.6	1.9	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P630133

CATALOG NUMBER: GWS-SA1D-722-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6
2.5°	606.8	588.9	565.8	546.3	528.3	514.6	502.7	497.0	491.5	487.7	488.9
5°	623.4	592.7	549.8	520.0	501.8	492.5	486.1	482.9	482.2	479.7	478.7
7.5°	647.8	603.9	546.6	516.5	504.3	499.5	496.0	494.1	495.0	492.5	491.5
10°	677.9	622.5	554.6	528.0	517.4	513.9	510.1	507.5	506.2	502.4	501.8
12.5°	715.3	645.5	569.0	542.7	532.2	526.1	521.0	516.5	513.6	508.8	507.5
15°	755.7	671.1	586.0	557.2	544.7	535.7	527.4	520.6	515.5	509.1	508.2
17.5°	799.5	698.0	600.1	567.1	551.1	539.2	527.1	517.1	510.1	501.8	500.8
20°	845.3	725.3	610.6	571.9	551.4	535.4	519.0	505.9	497.0	488.6	488.0
22.5°	892.7	750.2	617.0	570.6	546.3	526.4	506.9	492.1	481.6	471.7	471.0
25°	940.4	774.2	618.6	565.5	536.0	513.0	493.4	476.1	464.3	453.1	451.8
27.5°	988.8	794.4	614.8	555.2	522.2	497.3	477.7	460.8	448.6	437.4	435.5
30°	1040.3	811.7	606.5	541.8	506.2	480.6	461.4	448.6	437.1	425.9	423.9
32.5°	1095.4	826.8	594.6	525.5	487.7	464.0	449.9	438.4	426.8	416.9	415.0
35°	1161.0	836.7	577.0	504.3	470.4	451.8	442.2	428.7	414.7	403.8	402.8
37.5°	1228.9	844.4	555.9	484.1	455.3	444.8	436.8	418.5	400.9	387.8	386.2
40°	1294.6	850.8	529.6	465.3	441.6	439.6	428.7	406.0	375.6	360.9	359.6
42.5°	1355.7	852.7	502.1	445.1	429.1	428.1	415.9	380.7	357.3	348.1	346.8
45°	1397.7	851.1	473.6	426.2	416.6	411.5	398.7	362.5	348.1	339.7	338.1
47.5°	1428.7	842.8	441.6	406.3	402.5	395.4	367.9	350.9	337.5	329.2	327.6
50°	1423.3	808.2	409.2	387.1	385.5	379.4	345.5	336.5	324.7	315.7	314.4
52.5°	1395.1	742.5	376.2	366.0	369.2	357.3	329.5	319.2	309.0	298.7	296.5
55°	1402.2	695.2	351.3	345.5	351.3	324.4	311.6	300.7	291.1	281.1	279.2
57.5°	1432.9	648.4	324.7	323.4	329.5	299.1	288.5	274.7	261.0	253.0	253.0
60°	1203.3	472.6	277.9	281.1	294.9	278.6	269.3	255.2	240.2	233.1	233.1
62.5°	711.5	296.5	230.5	227.0	235.7	245.9	251.0	239.5	221.6	212.3	212.6
65°	313.5	215.8	203.3	200.4	197.9	204.9	219.0	220.0	201.1	190.2	190.5
67.5°	193.1	195.3	190.2	188.0	185.7	184.4	183.2	183.8	178.7	168.7	168.4
70°	174.2	180.3	176.8	174.8	171.9	169.7	162.0	149.5	140.9	138.3	141.2
72.5°	149.9	158.2	156.3	155.3	151.8	146.3	136.1	123.9	113.7	107.3	108.5
75°	113.0	119.8	120.7	121.0	117.2	112.1	101.5	91.3	82.3	75.6	77.2
77.5°	65.0	68.8	69.8	70.8	67.9	66.0	58.9	51.6	46.7	39.7	41.6
80°	36.2	37.8	37.8	38.1	36.5	34.3	29.5	25.3	23.1	19.9	20.2
82.5°	21.8	22.4	22.7	23.1	22.1	19.9	16.3	13.4	12.2	10.6	10.2
85°	10.6	11.2	11.2	11.5	9.9	8.6	6.7	5.1	4.5	3.2	3.5
87.5°	2.6	2.9	2.9	2.6	2.2	1.6	1.0	0.3	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)