

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: P630142

Luminaire Tested: GWS-SA1D-722-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630142
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3496.5 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

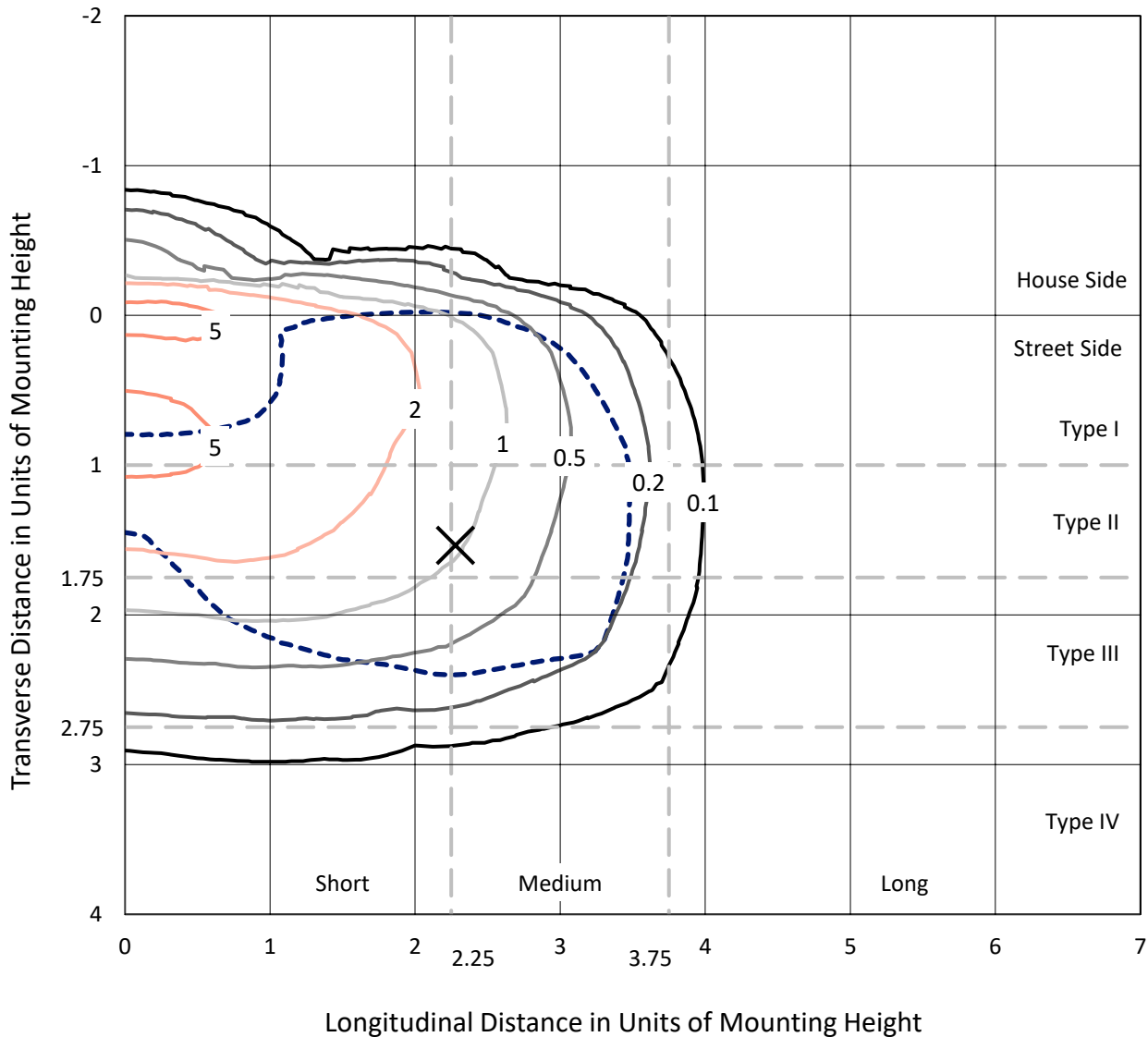
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630142
 CATALOG NUMBER: GWS-SA1D-722-U-T3R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

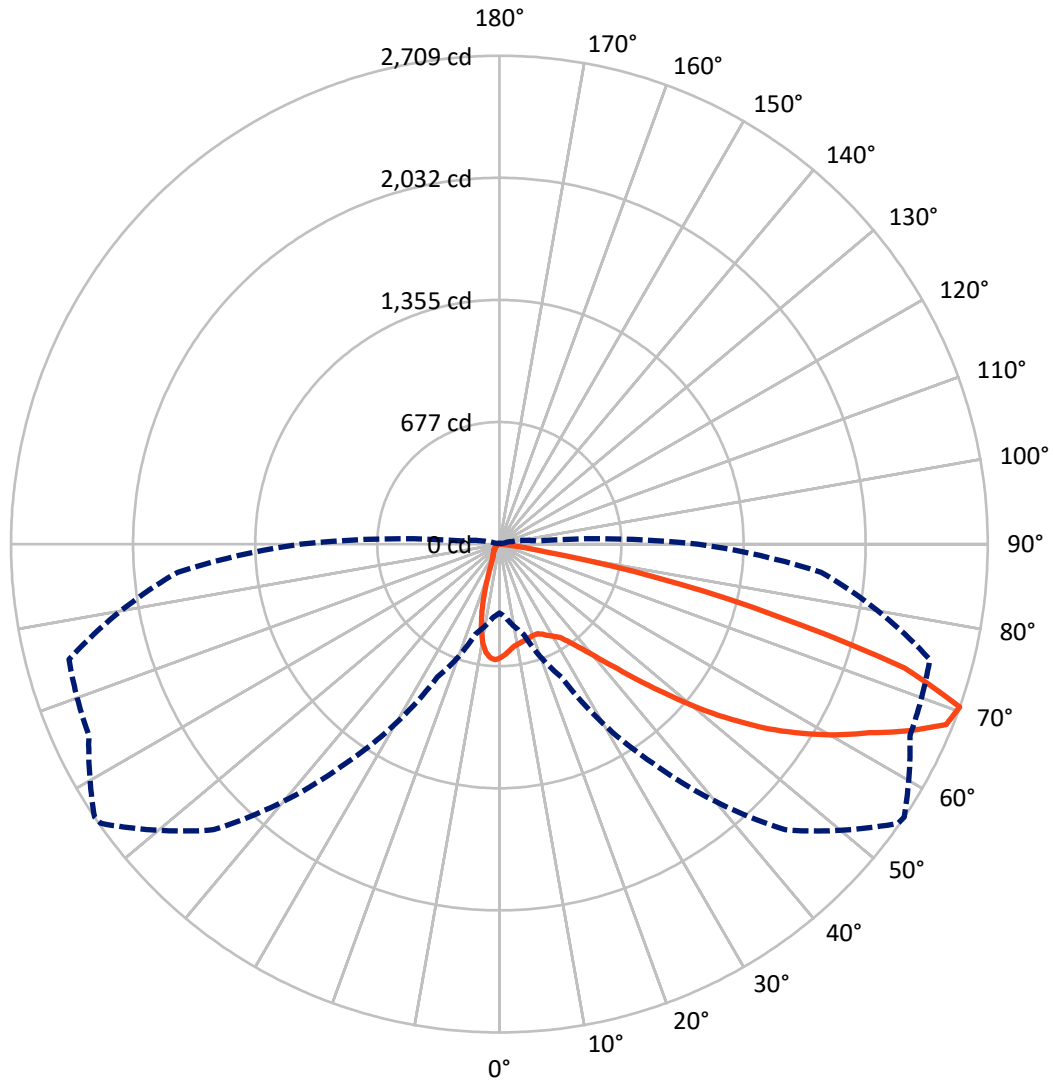
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P630142
CATALOG NUMBER: GWS-SA1D-722-U-T3R-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630142
 CATALOG NUMBER: GWS-SA1D-722-U-T3R-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	314.0	0.0	314.0
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	3182.5	0.0	3182.5
	% Fixture	91.0	0.0	91.0
Total	Lumens	3496.5	0.0	3496.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.1	1.5
10°-20°	121.7	3.5
20°-30°	192.8	5.5
30°-40°	332.6	9.5
40°-50°	561.6	16.1
50°-60°	825.1	23.6
60°-70°	978.2	28.0
70°-80°	417.2	11.9
80°-90°	13.1	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°	3496.5	100.0
0°-180°	3496.5	100.0

Coefficient of Utilization



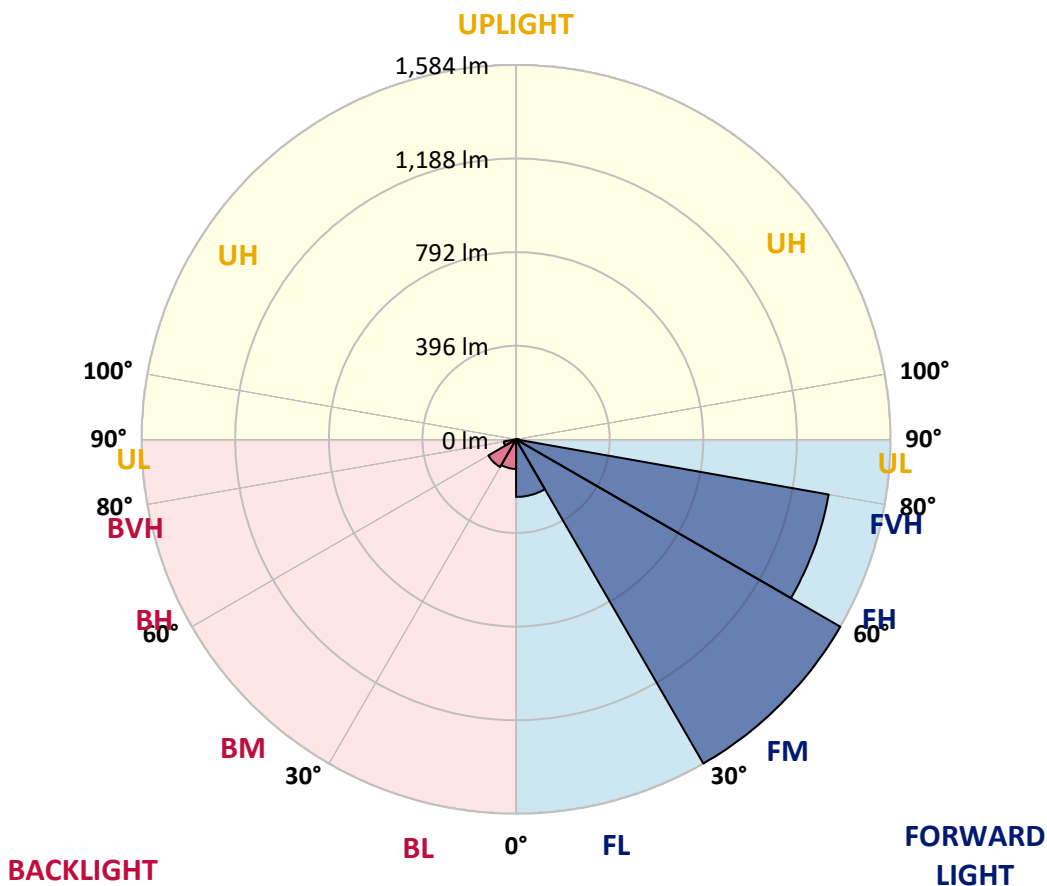
REPORT NUMBER: P630142

CATALOG NUMBER: GWS-SA1D-722-U-T3R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	243.6	7.0			
FM (30°-60°)	1584.0	45.3			
FH (60°-80°)	1343.0	38.4			G1/1800
FVH (80°-90°)	11.8	0.3			G1/100
BL (0°-30°)	125.1	3.6	B1/500		
BM (30°-60°)	135.3	3.9	B0/220		
BH (60°-80°)	52.4	1.5	B0/110		G0/110
BVH (80°-90°)	1.3	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-G1
 Type III Medium





REPORT NUMBER: P630142

CATALOG NUMBER: GWS-SA1D-722-U-T3R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5
2.5°	586.9	585.9	586.6	591.4	600.4	604.5	611.6	612.8	618.6	626.0	628.9
5°	548.8	545.6	547.2	553.9	564.2	575.7	588.8	592.4	606.8	623.1	635.3
7.5°	513.9	510.4	514.2	524.8	539.2	551.7	571.2	573.5	596.5	625.3	647.4
10°	459.2	460.1	467.8	486.4	508.5	534.4	560.7	563.9	592.4	632.7	667.0
12.5°	417.2	415.0	423.3	444.4	475.5	513.3	552.6	556.8	592.7	643.9	691.9
15°	397.7	397.0	400.6	415.9	446.0	490.5	545.3	550.7	596.8	654.1	715.6
17.5°	398.3	397.4	397.0	406.0	428.4	473.6	537.3	544.3	600.4	665.4	740.6
20°	426.2	421.7	413.7	409.5	423.0	462.7	531.8	539.8	605.5	677.2	767.2
22.5°	484.4	486.0	464.6	442.2	435.8	464.0	531.2	540.5	616.7	695.8	799.8
25°	601.0	598.4	558.7	508.5	473.6	478.7	542.4	553.6	638.8	722.3	830.6
27.5°	747.0	749.2	694.8	614.8	541.8	509.1	562.9	574.1	664.4	739.0	851.1
30°	906.1	903.9	845.6	756.9	638.5	559.7	583.4	593.3	677.2	748.0	872.2
32.5°	1056.6	1051.5	993.9	901.0	761.7	639.4	611.6	617.3	694.2	767.5	900.7
35°	1185.0	1184.7	1134.4	1035.5	888.5	739.3	659.9	664.7	725.9	798.6	942.6
37.5°	1317.6	1313.1	1256.7	1166.5	1018.8	848.8	733.9	732.0	775.8	844.3	994.2
40°	1426.4	1423.6	1380.3	1293.6	1154.3	969.9	823.5	817.8	835.1	907.7	1065.9
42.5°	1507.1	1507.5	1494.0	1441.2	1297.7	1109.8	936.2	927.3	927.0	1003.5	1160.7
45°	1568.3	1572.5	1592.6	1584.6	1467.1	1272.8	1080.6	1071.4	1055.7	1127.7	1269.2
47.5°	1596.8	1602.2	1663.1	1695.1	1615.4	1434.5	1252.6	1233.1	1202.3	1292.9	1390.6
50°	1593.9	1603.5	1688.4	1785.7	1749.8	1598.4	1439.9	1430.6	1380.3	1467.8	1510.7
52.5°	1528.6	1549.1	1690.0	1840.8	1853.3	1749.5	1633.6	1616.3	1592.0	1650.3	1623.4
55°	1351.2	1376.2	1622.4	1858.4	1933.9	1881.4	1823.2	1809.1	1768.7	1822.5	1721.7
57.5°	1254.8	1276.3	1480.2	1849.7	2002.5	2003.4	1991.9	1980.4	1947.1	1992.9	1836.9
60°	1196.9	1218.3	1404.4	1818.0	2064.6	2132.1	2150.4	2149.1	2101.1	2186.6	1972.1
62.5°	1112.0	1141.5	1325.3	1735.8	2108.8	2258.9	2314.0	2305.4	2251.9	2388.3	2105.9
65°	940.7	966.3	1163.3	1600.0	2082.8	2364.0	2491.4	2495.9	2434.1	2578.2	2211.6
67.5°	659.6	678.5	874.1	1315.0	1906.7	2398.5	2672.9	2672.6	2567.3	2675.5	2164.8
70°	382.3	408.2	516.5	813.0	1483.4	2241.3	2700.2	2709.4	2513.2	2472.2	1791.5
72.5°	147.9	169.4	292.7	431.9	773.6	1716.9	2322.7	2349.9	2103.3	1907.1	1246.8
75°	44.2	49.3	137.7	229.9	310.6	829.3	1572.5	1580.1	1442.8	1189.5	639.1
77.5°	33.0	36.5	60.2	116.2	108.9	251.3	813.6	888.5	765.9	424.9	176.1
80°	22.4	26.6	42.9	56.7	40.3	66.9	228.6	251.0	233.7	95.4	44.2
82.5°	9.9	12.8	30.4	28.5	14.7	19.2	70.4	74.9	48.3	28.8	15.4
85°	1.0	1.3	11.5	12.5	5.4	4.5	14.7	14.7	10.6	9.9	6.4
87.5°	0.0	0.0	0.3	0.6	0.6	1.0	1.3	1.6	1.9	2.6	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



REPORT NUMBER: P630142
 CATALOG NUMBER: GWS-SA1D-722-U-T3R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5	630.5
2.5°	636.2	632.4	637.2	641.0	642.0	634.9	630.8	624.7	623.4	623.7	622.1
5°	644.9	642.9	646.5	642.3	631.4	610.9	593.3	573.8	563.2	557.1	556.5
7.5°	660.9	659.9	656.1	637.2	603.2	557.8	513.9	471.0	444.4	434.8	433.2
10°	684.6	682.6	667.0	622.1	549.8	462.4	388.7	327.2	289.8	278.9	265.4
12.5°	711.8	707.9	673.7	589.8	469.1	348.0	256.2	187.3	155.0	145.4	145.4
15°	738.0	729.7	669.8	536.3	369.8	226.4	143.1	108.2	98.3	95.7	95.7
17.5°	764.9	748.9	654.8	463.3	255.5	133.8	95.4	88.7	87.4	87.7	88.1
20°	790.2	765.3	628.2	375.6	163.0	93.5	85.5	83.9	83.2	83.9	83.6
22.5°	817.8	780.3	587.9	279.8	106.0	84.2	81.3	80.0	79.4	80.4	80.4
25°	845.0	791.2	534.4	188.3	84.2	78.4	76.8	75.6	74.9	75.2	75.2
27.5°	859.1	787.0	464.3	120.1	75.6	72.7	71.1	69.5	68.5	68.2	68.5
30°	868.7	774.2	378.5	85.5	68.5	65.0	63.4	62.1	59.6	58.0	58.6
32.5°	883.7	761.4	285.3	71.7	62.8	57.3	54.8	51.6	48.0	46.4	46.4
35°	901.7	743.8	200.1	64.7	56.7	50.9	46.1	40.7	36.5	35.2	35.2
37.5°	925.3	727.2	133.2	59.9	51.6	45.5	38.7	32.3	27.9	27.2	26.9
40°	960.9	713.1	93.8	56.4	47.1	39.7	31.7	25.0	21.8	20.8	20.8
42.5°	1007.0	698.7	74.3	52.8	43.2	34.3	25.3	19.9	17.3	16.6	16.3
45°	1064.0	681.7	64.7	49.6	39.4	28.5	20.2	16.6	14.7	14.1	14.1
47.5°	1125.8	658.6	60.2	45.5	34.9	23.1	17.0	14.4	13.4	13.1	12.8
50°	1186.6	627.6	56.4	41.6	29.8	18.9	14.7	13.1	12.5	12.2	12.2
52.5°	1239.8	591.4	51.6	37.1	24.3	16.3	13.1	12.2	11.5	10.9	10.6
55°	1285.2	552.0	45.5	32.0	19.9	14.4	12.2	11.2	10.6	9.9	9.6
57.5°	1343.8	529.6	36.5	25.9	16.3	12.8	11.2	10.2	9.6	8.6	8.6
60°	1408.8	513.3	27.2	20.5	14.1	11.8	10.2	9.3	8.6	7.7	7.7
62.5°	1461.0	488.9	21.5	16.6	12.2	10.6	9.3	8.3	7.7	6.7	6.7
65°	1480.9	438.7	17.6	13.1	9.9	9.3	8.3	7.7	6.7	5.8	5.8
67.5°	1391.2	338.1	14.7	10.6	8.3	8.0	7.4	7.0	5.8	5.1	4.8
70°	1101.8	206.2	12.2	8.6	7.0	6.7	6.7	6.1	5.1	4.8	4.5
72.5°	755.0	106.3	9.9	7.0	6.1	6.1	5.8	5.4	4.8	4.5	4.5
75°	392.2	35.5	7.7	5.4	4.8	5.1	5.1	4.8	4.5	4.5	4.2
77.5°	112.4	16.0	5.8	4.2	3.8	3.8	4.2	4.2	4.2	3.8	3.8
80°	29.1	9.3	4.2	3.2	3.2	3.2	3.2	3.5	3.8	3.5	3.5
82.5°	11.8	5.1	2.9	2.6	2.6	2.6	2.6	2.9	3.2	3.2	3.2
85°	7.4	2.6	2.2	2.2	2.2	1.9	1.9	2.2	2.2	2.6	2.6
87.5°	4.5	1.9	1.9	1.9	1.9	1.6	1.6	1.6	1.6	1.6	1.6
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)