

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: P630601

Luminaire Tested: GWS-SA1E-722-U-RW-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630601  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-722-U-RW-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

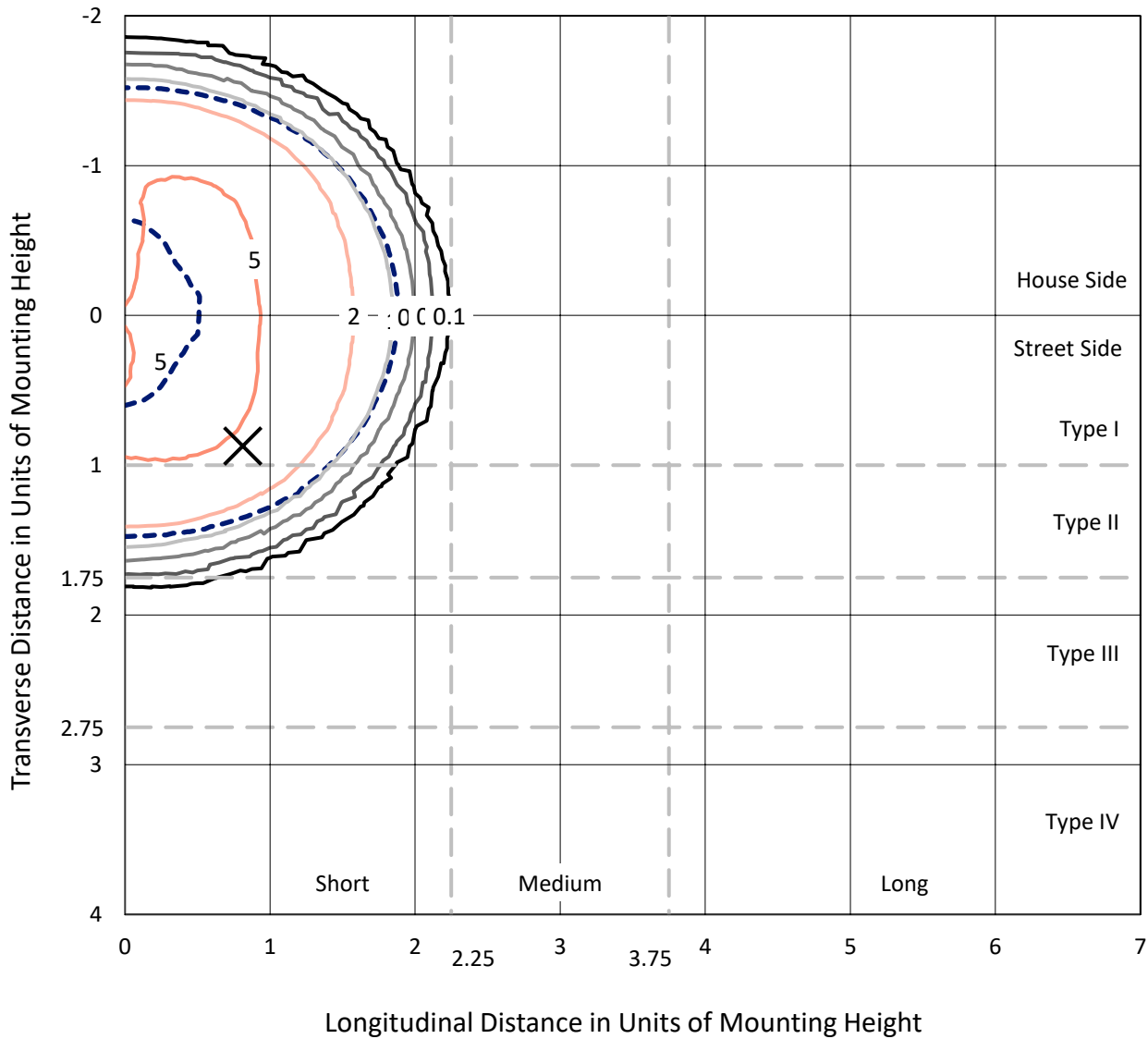
Lumens per Lamp: N/A  
Luminaire Lumens: 3617.6 lumens  
Efficiency: N/A  
Efficacy: 61.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P630601  
 CATALOG NUMBER: GWS-SA1E-722-U-RW-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

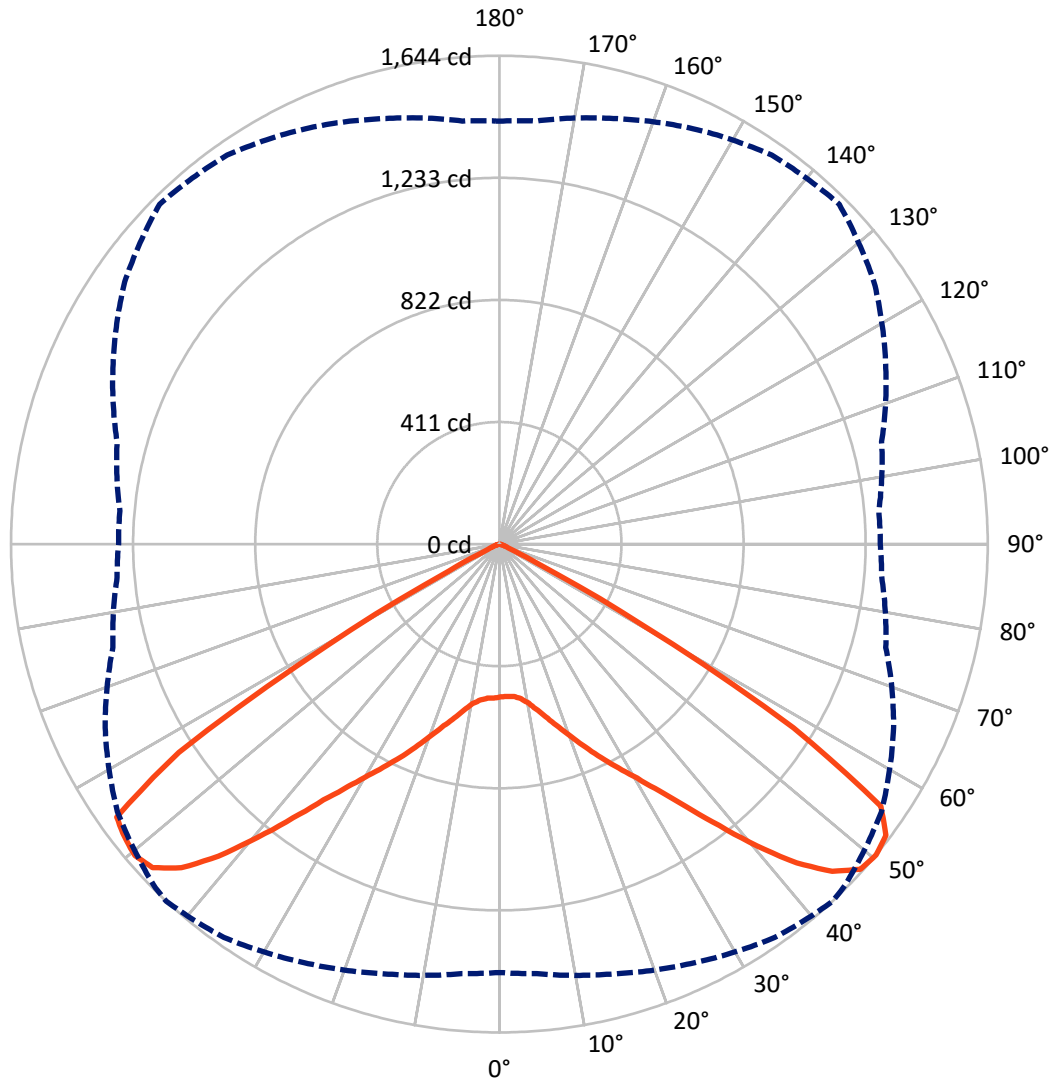
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 fc  
 Type V - Short - N/A

REPORT NUMBER: P630601  
CATALOG NUMBER: GWS-SA1E-722-U-RW-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P630601  
 CATALOG NUMBER: GWS-SA1E-722-U-RW-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1808.8	0.0	1808.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1808.8	0.0	1808.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3617.6	0.0	3617.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.7	1.4
10°-20°	174.4	4.8
20°-30°	352.8	9.8
30°-40°	654.5	18.1
40°-50°	1086.5	30.0
50°-60°	1108.8	30.7
60°-70°	181.8	5.0
70°-80°	8.0	0.2
80°-90°	0.1	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°	3617.6	100.0
0°-180°	3617.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P630601

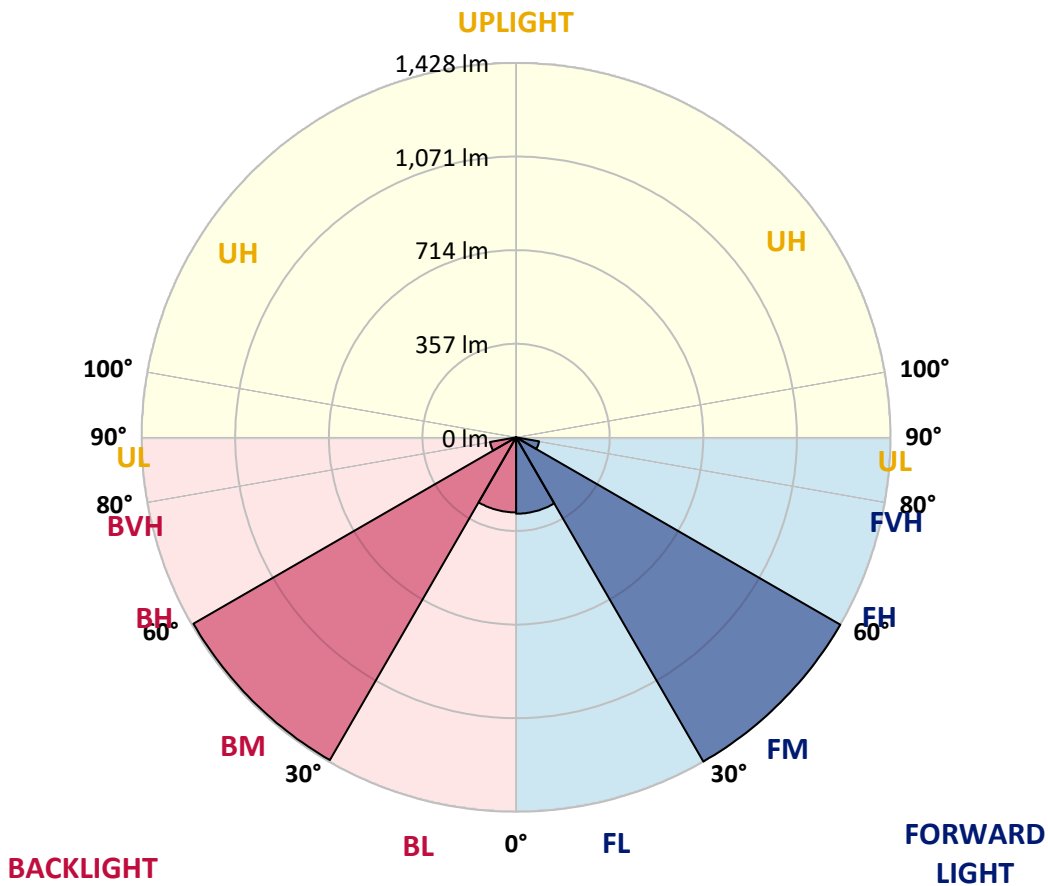
CATALOG NUMBER: GWS-SA1E-722-U-RW-W-GRSBK

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	291.4	8.1			
FM (30°-60°)	1428.4	39.5			
FH (60°-80°)	88.9	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	286.4	7.9	B1/500		
BM (30°-60°)	1421.5	39.3	B2/2500		
BH (60°-80°)	100.8	2.8	B0/110		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





REPORT NUMBER: P630601

CATALOG NUMBER: GWS-SA1E-722-U-RW-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	514.5	514.5	514.5	514.5	514.5	514.5	514.5	514.5	514.5	514.5	514.5
2.5°	504.9	506.1	507.7	509.3	511.3	513.3	514.5	518.1	517.3	520.5	520.5
5°	499.3	500.5	502.5	506.1	510.5	514.9	518.1	525.3	529.4	535.8	538.2
7.5°	502.1	503.7	506.1	511.7	518.5	525.3	529.0	540.6	548.6	560.6	567.4
10°	511.3	512.9	516.9	526.5	535.4	545.0	549.4	564.2	577.0	593.4	603.0
12.5°	521.7	523.7	531.8	546.2	561.4	574.2	580.2	596.6	609.8	628.2	643.4
15°	532.6	535.8	548.2	569.4	591.0	608.2	614.6	632.2	645.4	665.0	682.2
17.5°	557.8	561.4	575.4	598.2	627.8	647.8	653.4	671.8	681.8	695.0	713.0
20°	589.4	596.2	613.4	641.0	673.4	692.6	696.6	714.6	713.8	719.4	735.0
22.5°	628.6	633.4	652.2	685.0	721.4	742.6	751.8	759.4	749.4	744.6	754.6
25°	669.4	675.0	695.4	731.4	772.2	796.6	804.2	810.2	794.2	776.2	777.4
27.5°	722.2	726.2	746.2	784.6	825.4	853.0	859.8	870.2	849.0	820.2	812.2
30°	785.0	789.0	810.2	850.6	891.1	914.7	925.1	937.9	914.7	878.6	869.4
32.5°	858.6	862.6	889.9	931.5	964.7	990.3	1000.3	1013.9	995.5	955.1	944.7
35°	946.7	949.1	981.1	1026.3	1061.5	1086.3	1093.1	1109.1	1088.7	1048.3	1042.7
37.5°	1048.7	1051.5	1086.3	1138.7	1174.7	1202.3	1213.1	1217.5	1192.7	1147.5	1143.1
40°	1160.7	1169.9	1203.9	1260.4	1300.8	1335.6	1345.2	1330.4	1295.6	1234.0	1225.9
42.5°	1277.6	1285.6	1323.6	1384.8	1431.6	1467.2	1467.6	1435.6	1376.4	1291.2	1279.2
45°	1374.8	1378.0	1427.2	1488.8	1546.4	1571.6	1574.0	1516.0	1426.8	1324.4	1298.8
47.5°	1441.6	1446.8	1489.6	1548.8	1612.5	1635.3	1630.5	1558.0	1450.8	1346.0	1303.6
50°	1442.4	1451.2	1497.6	1554.8	1616.5	1644.1	1637.3	1570.0	1464.4	1346.8	1292.0
52.5°	1314.8	1329.2	1404.8	1487.6	1582.1	1629.3	1630.9	1585.7	1459.2	1334.0	1281.6
55°	991.9	1007.5	1102.7	1244.0	1426.4	1558.0	1580.8	1567.2	1453.2	1339.6	1300.0
57.5°	524.9	512.9	565.8	705.8	935.1	1167.9	1234.8	1343.6	1386.4	1346.4	1334.0
60°	114.4	122.0	162.4	218.9	364.9	549.4	614.6	801.0	1022.7	1121.1	1192.3
62.5°	49.2	48.4	50.4	57.2	83.6	139.2	170.0	277.7	438.1	601.8	712.6
65°	40.4	40.8	42.4	42.4	39.6	40.0	42.0	63.6	102.4	143.6	192.9
67.5°	30.4	30.8	33.6	34.4	32.4	28.8	28.4	24.0	25.2	31.6	32.8
70°	19.2	19.2	20.8	21.6	21.6	20.0	19.6	17.2	16.8	19.2	21.6
72.5°	10.4	10.4	11.2	11.6	11.2	10.8	10.8	10.4	10.0	11.6	14.8
75°	4.4	4.4	4.8	4.8	4.4	4.4	4.4	4.4	4.4	5.2	8.0
77.5°	0.8	1.2	1.6	1.2	0.8	0.8	0.8	1.2	1.2	1.6	2.4
80°	0.4	0.4	0.8	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P630601

CATALOG NUMBER: GWS-SA1E-722-U-RW-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	514.5	514.5	514.5	514.5	514.5	514.5	514.5	514.5	514.5	514.5	514.5
2.5°	523.3	518.9	520.5	521.3	520.1	519.3	514.9	513.7	511.7	508.5	507.7
5°	541.0	537.4	537.0	534.6	529.0	522.1	513.7	510.1	506.1	502.1	501.3
7.5°	570.6	566.2	563.4	555.4	542.6	531.8	517.7	510.1	504.9	499.7	498.5
10°	608.6	603.4	595.4	580.6	563.4	547.8	531.4	521.3	513.3	506.1	505.7
12.5°	649.0	643.4	629.0	610.2	589.4	575.0	554.2	540.2	528.2	517.3	516.1
15°	691.4	684.6	665.0	642.6	623.4	608.6	585.8	563.4	545.0	529.4	527.8
17.5°	723.8	715.4	692.2	675.4	659.8	644.6	619.0	589.4	565.0	546.2	541.8
20°	744.2	736.2	714.2	705.0	697.8	687.0	656.6	625.8	598.6	575.4	571.4
22.5°	763.8	754.2	735.0	735.0	740.6	736.2	703.4	668.2	636.2	609.4	603.4
25°	785.8	778.2	764.6	775.8	789.8	789.4	755.8	711.8	675.0	645.0	639.0
27.5°	817.8	810.2	805.4	826.6	844.2	843.0	806.2	758.6	719.8	690.2	684.6
30°	874.2	867.0	861.8	887.5	909.9	901.5	861.0	815.0	775.8	742.2	738.2
32.5°	949.5	941.9	935.1	960.7	980.7	969.9	931.5	888.3	843.0	810.2	802.2
35°	1048.3	1032.3	1025.5	1055.9	1064.3	1052.3	1015.5	977.5	929.5	891.9	886.7
37.5°	1150.3	1131.5	1126.7	1153.1	1166.7	1162.3	1119.1	1079.5	1027.5	985.9	979.9
40°	1237.6	1220.3	1211.9	1253.2	1284.0	1286.8	1248.0	1199.5	1138.3	1095.1	1084.3
42.5°	1288.8	1274.0	1272.0	1336.0	1386.4	1422.4	1376.0	1326.0	1261.6	1212.7	1203.9
45°	1300.4	1290.8	1307.6	1391.6	1470.0	1535.6	1496.0	1443.2	1373.6	1322.0	1313.6
47.5°	1299.2	1296.0	1326.0	1420.4	1519.6	1600.5	1580.8	1521.2	1454.0	1400.0	1392.0
50°	1282.0	1282.4	1332.4	1434.8	1539.6	1618.1	1598.5	1543.2	1483.2	1430.0	1423.6
52.5°	1275.2	1272.8	1320.4	1430.4	1560.0	1610.1	1566.0	1504.0	1437.2	1371.6	1362.0
55°	1299.2	1293.2	1322.0	1426.8	1562.4	1605.7	1489.6	1355.2	1218.3	1140.7	1134.3
57.5°	1335.2	1328.8	1342.4	1400.4	1437.2	1335.2	1096.3	879.5	738.6	679.0	653.0
60°	1192.3	1187.9	1177.5	1107.5	949.9	716.6	488.1	311.3	223.7	180.9	180.9
62.5°	739.8	733.8	677.4	503.3	365.7	211.7	116.4	72.8	55.2	51.6	51.2
65°	207.7	206.5	170.8	120.8	76.8	47.6	42.0	42.8	42.0	40.8	40.4
67.5°	31.2	34.4	34.4	28.0	26.8	30.0	35.2	37.6	35.6	33.6	32.8
70°	20.0	21.6	20.8	18.0	19.2	22.4	25.2	25.6	24.4	22.4	22.0
72.5°	14.0	15.6	12.8	11.6	12.0	13.2	14.4	14.4	14.0	13.2	12.4
75°	8.4	8.4	6.0	5.6	5.6	6.0	6.0	6.8	6.8	6.4	6.0
77.5°	2.8	3.2	2.0	1.6	1.6	1.6	2.0	2.4	2.4	2.0	1.6
80°	0.4	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.4
82.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)