

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: P630102

Luminaire Tested: GWS-SA1D-722-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630102
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-722-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE 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: 3364 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

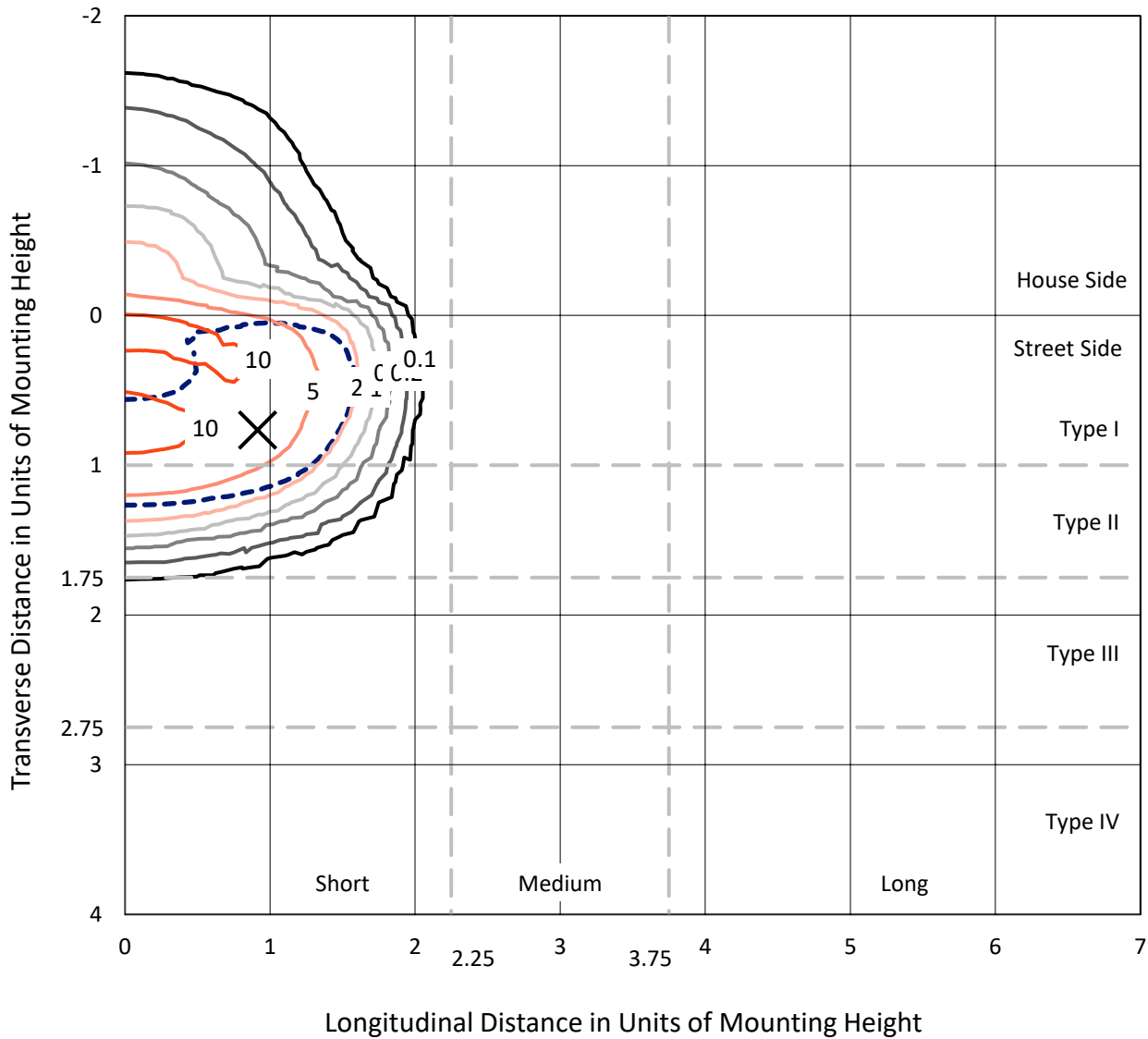
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630102
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Iso-Footcandle Lines of Horizontal Illumination

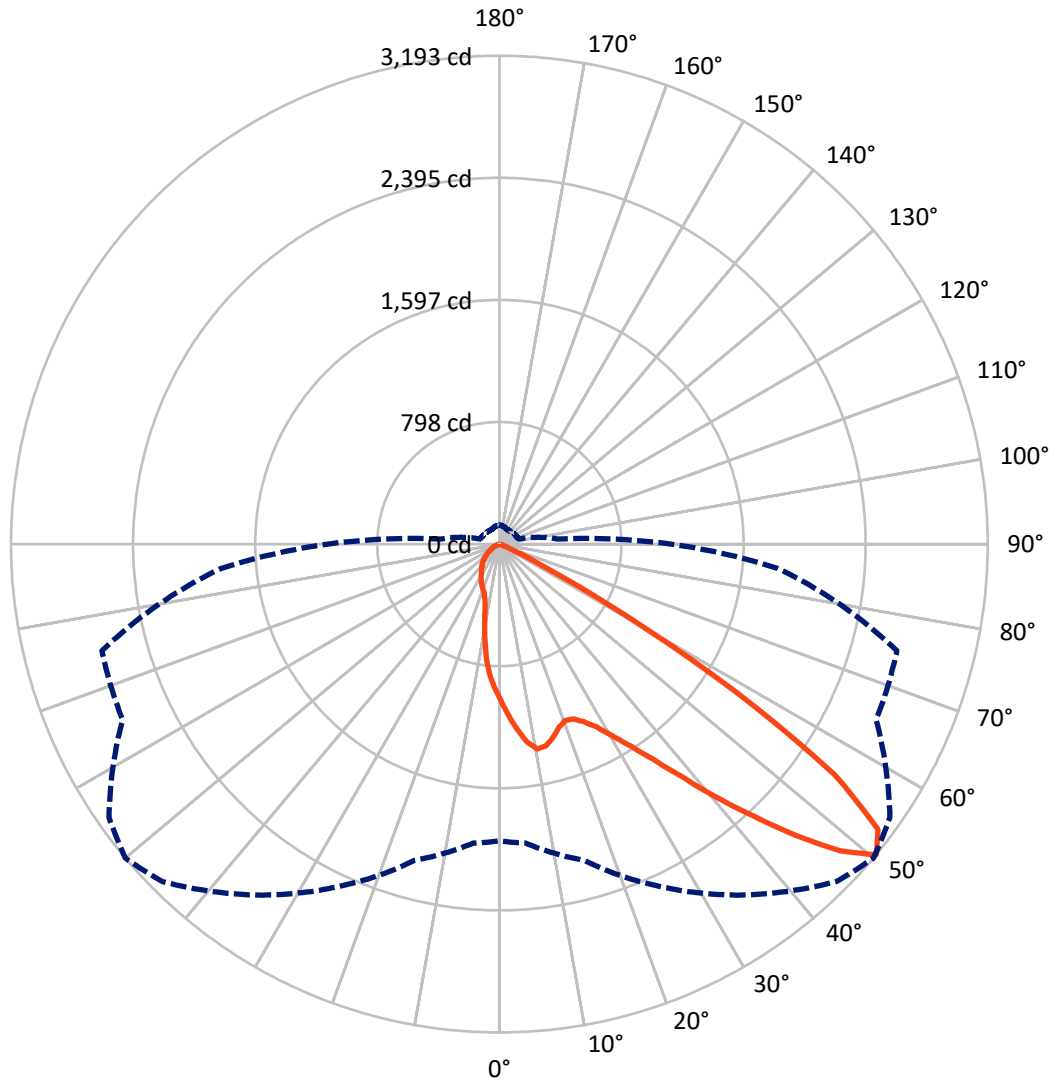
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.1 fc
 Type II - Short - N/A

REPORT NUMBER: P630102
CATALOG NUMBER: GWS-SA1D-722-U-AFL-W-GRSBK

Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	432.2	0.0	432.2
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	2931.8	0.0	2931.8
	% Fixture	87.2	0.0	87.2
Total	Lumens	3364.0	0.0	3364.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.5	2.8
10°-20°	243.9	7.3
20°-30°	402.6	12.0
30°-40°	664.3	19.7
40°-50°	1051.1	31.2
50°-60°	795.8	23.7
60°-70°	99.6	3.0
70°-80°	11.3	0.3
80°-90°	0.9	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°	3364.0	100.0
0°-180°	3364.0	100.0

Coefficient of Utilization



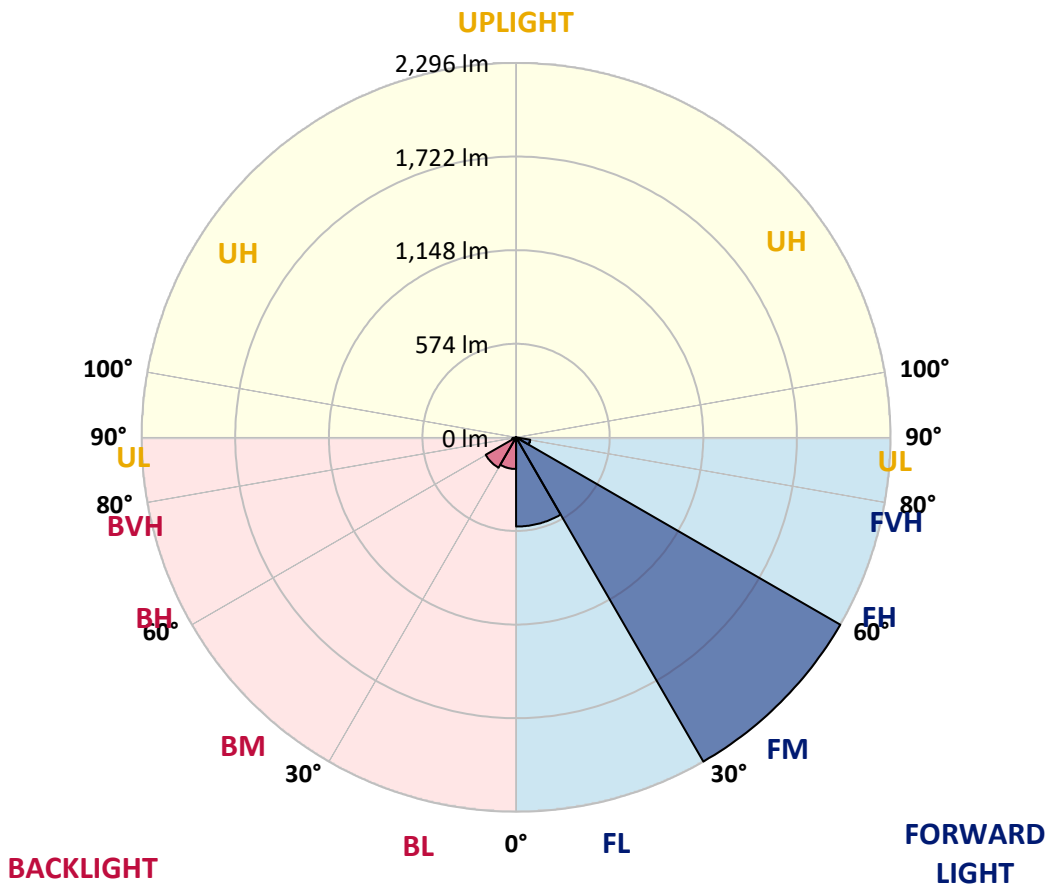
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	547.0	16.3			
FM (30°-60°)	2296.3	68.3			
FH (60°-80°)	88.1	2.6			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	194.0	5.8	B1/500		
BM (30°-60°)	215.0	6.4	B0/220		
BH (60°-80°)	22.8	0.7	B0/110		G0/110
BVH (80°-90°)	0.5	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-G0
 Type II Short





REPORT NUMBER: P630102

CATALOG NUMBER: GWS-SA1D-722-U-AFL-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1019.2	1019.2	1019.2	1019.2	1019.2	1019.2	1019.2	1019.2	1019.2	1019.2	1019.2
2.5°	1161.3	1170.6	1168.0	1155.9	1142.8	1133.5	1119.1	1114.6	1081.9	1059.2	1035.2
5°	1301.6	1304.4	1301.2	1286.5	1263.5	1241.4	1217.7	1203.9	1149.2	1099.8	1049.6
7.5°	1335.2	1331.7	1337.7	1345.1	1341.9	1332.3	1307.3	1292.3	1227.0	1146.6	1070.4
10°	1230.2	1222.2	1244.9	1283.0	1323.0	1368.2	1361.8	1363.0	1302.8	1205.5	1097.6
12.5°	1090.9	1087.7	1104.6	1148.8	1227.3	1329.7	1354.4	1395.7	1372.3	1269.2	1128.7
15°	1029.7	1031.3	1041.6	1069.4	1125.8	1253.2	1312.5	1387.1	1434.4	1331.0	1162.9
17.5°	1039.0	1044.8	1044.5	1053.7	1088.0	1190.1	1259.3	1359.8	1482.5	1402.1	1202.3
20°	1102.1	1107.9	1099.2	1092.2	1103.7	1174.1	1231.4	1332.3	1514.8	1473.8	1243.9
22.5°	1196.5	1203.3	1182.8	1162.6	1155.2	1200.4	1242.0	1321.1	1539.5	1539.5	1281.1
25°	1310.8	1320.1	1288.4	1252.6	1232.1	1255.8	1287.2	1346.4	1564.8	1598.4	1306.4
27.5°	1438.6	1438.9	1411.7	1371.4	1332.9	1335.8	1354.7	1403.4	1592.6	1661.8	1326.2
30°	1582.4	1583.3	1547.1	1498.8	1450.5	1437.3	1453.3	1490.2	1650.6	1741.5	1353.8
32.5°	1768.1	1772.6	1720.7	1649.6	1586.9	1562.2	1571.5	1610.2	1742.8	1841.4	1395.1
35°	2019.1	2023.9	1947.4	1853.6	1753.7	1716.5	1725.8	1764.9	1876.3	1983.2	1461.0
37.5°	2266.9	2273.3	2195.8	2108.4	1971.4	1909.9	1919.5	1956.7	2076.7	2179.2	1566.7
40°	2438.2	2446.9	2422.9	2363.9	2236.8	2156.1	2167.7	2181.1	2297.3	2413.6	1703.7
42.5°	2528.5	2540.7	2550.9	2581.0	2514.1	2446.6	2427.0	2428.0	2521.8	2652.4	1846.2
45°	2534.0	2545.8	2598.3	2714.6	2765.5	2751.4	2715.8	2691.8	2693.1	2811.6	1935.2
47.5°	2357.9	2380.0	2478.3	2705.9	2897.4	3014.2	2996.3	2939.3	2765.1	2822.1	1925.6
50°	1940.7	1962.4	2141.1	2468.6	2801.3	3119.3	3193.2	3116.7	2718.1	2690.5	1826.7
52.5°	1409.5	1411.7	1527.6	1910.2	2412.0	2925.6	3099.7	3092.4	2646.4	2531.1	1691.6
55°	669.5	661.5	791.8	1078.1	1668.2	2366.2	2659.8	2743.1	2544.5	2415.8	1586.9
57.5°	195.0	198.8	256.8	420.7	834.4	1512.2	1821.5	1976.5	2088.6	1986.1	1230.8
60°	87.4	87.7	97.7	128.1	277.9	703.5	941.7	1133.5	1248.7	1157.2	610.6
62.5°	63.4	63.7	67.6	72.4	94.5	238.2	353.2	470.7	479.3	313.8	154.7
65°	52.8	52.8	53.5	53.5	56.7	85.2	107.3	138.3	116.5	86.5	60.5
67.5°	42.6	42.9	43.5	43.5	42.6	42.6	46.1	50.6	54.1	66.9	55.7
70°	33.3	33.0	33.0	33.3	32.3	27.5	29.8	33.9	37.1	52.2	48.3
72.5°	25.9	26.3	25.9	24.7	22.4	16.3	17.6	22.1	23.7	32.7	32.7
75°	19.5	19.9	18.6	14.1	9.3	5.1	6.7	10.9	13.8	16.0	11.8
77.5°	2.6	2.6	1.9	1.9	1.6	1.9	1.9	2.6	3.8	3.8	2.9
80°	0.3	0.3	0.3	0.6	1.0	1.3	1.3	1.3	1.3	1.6	1.6
82.5°	0.3	0.3	0.3	0.3	1.0	1.0	1.3	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.3	0.6	1.0	1.0	1.3	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.3	0.6	1.0	1.0	1.0	1.3	1.3	1.3
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: P630102

CATALOG NUMBER: GWS-SA1D-722-U-AFL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1019.2	1019.2	1019.2	1019.2	1019.2	1019.2	1019.2	1019.2	1019.2	1019.2	1019.2
2.5°	1020.8	1002.2	979.8	964.4	942.6	928.2	907.7	894.0	882.1	872.8	878.0
5°	1021.1	991.6	945.8	906.8	864.2	825.1	783.2	750.2	720.4	707.0	714.3
7.5°	1027.5	985.2	915.1	845.6	764.0	683.3	607.7	546.2	515.8	501.4	505.9
10°	1040.0	982.3	880.8	765.6	633.0	522.9	449.5	407.9	390.9	382.0	383.6
12.5°	1051.5	980.4	836.3	660.2	499.5	405.7	367.6	361.8	365.3	365.7	365.3
15°	1067.2	976.9	781.3	552.0	399.6	350.6	351.6	359.9	368.2	370.8	370.1
17.5°	1083.8	971.5	710.2	448.3	339.1	334.6	345.8	357.0	365.3	366.6	366.9
20°	1101.1	960.2	629.2	366.0	310.9	322.4	334.9	343.2	349.3	351.2	351.9
22.5°	1109.1	936.5	535.7	307.1	292.0	307.4	316.7	327.6	329.5	322.4	323.7
25°	1105.0	896.5	444.4	267.4	273.1	288.5	302.3	296.8	288.8	283.7	285.3
27.5°	1091.8	843.4	355.1	238.2	252.9	272.5	274.1	268.0	266.7	262.6	263.8
30°	1077.8	782.2	285.6	214.8	232.5	252.9	248.1	250.4	250.7	245.9	247.5
32.5°	1069.1	718.2	227.3	199.2	219.3	223.2	232.8	237.3	237.6	226.4	228.3
35°	1072.0	655.1	192.4	186.3	207.2	206.2	219.6	222.2	203.6	188.3	189.9
37.5°	1095.4	596.8	172.6	176.4	186.0	193.4	203.6	186.7	182.5	175.5	176.4
40°	1138.9	547.2	160.7	170.3	171.6	183.5	167.8	170.0	170.3	165.9	166.8
42.5°	1189.8	505.9	153.7	166.8	163.6	165.5	149.8	154.3	159.1	157.2	157.5
45°	1215.4	465.6	147.6	154.7	155.6	137.4	133.8	138.6	144.7	145.7	146.0
47.5°	1192.7	427.1	141.2	137.0	143.4	125.2	121.0	122.6	129.7	133.5	134.2
50°	1123.2	382.9	131.6	121.4	117.8	112.4	108.5	108.9	116.9	123.6	124.9
52.5°	1025.6	336.8	115.9	102.8	94.8	98.9	99.9	98.0	105.3	112.1	113.3
55°	930.8	279.2	91.9	83.6	76.2	85.2	87.7	85.2	87.4	91.9	92.2
57.5°	655.4	157.9	70.4	69.2	63.1	73.0	77.2	73.3	69.5	72.4	73.0
60°	303.9	82.6	54.1	54.1	52.5	62.8	69.8	64.4	57.0	58.3	59.2
62.5°	95.1	52.2	39.7	37.5	42.9	53.5	59.2	53.8	45.1	45.1	46.4
65°	53.8	44.8	31.4	28.8	34.9	42.9	46.4	40.7	33.0	32.3	32.3
67.5°	49.9	42.6	27.9	23.4	24.7	27.5	28.8	25.0	22.7	22.4	22.7
70°	41.3	35.5	22.4	16.0	15.0	14.7	15.4	14.4	13.8	14.1	15.0
72.5°	25.6	21.5	14.1	9.6	8.3	8.0	8.0	8.0	7.7	7.7	7.7
75°	9.3	8.0	6.4	4.8	4.2	3.8	3.8	4.2	3.8	3.5	3.2
77.5°	2.9	2.6	2.6	2.6	2.2	1.9	1.6	1.6	1.3	1.0	1.0
80°	1.6	1.6	1.6	1.6	1.3	1.3	1.0	0.6	0.3	0.3	0.0
82.5°	1.6	1.6	1.6	1.3	1.3	1.3	1.0	0.6	0.3	0.0	0.0
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.0	0.6	0.3	0.0	0.0
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.0	0.6	0.3	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)