

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: P630214

Luminaire Tested: GWS-SA1D-730-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-730-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4630.5 lumens
Efficiency: N/A
Efficacy: 104.5 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

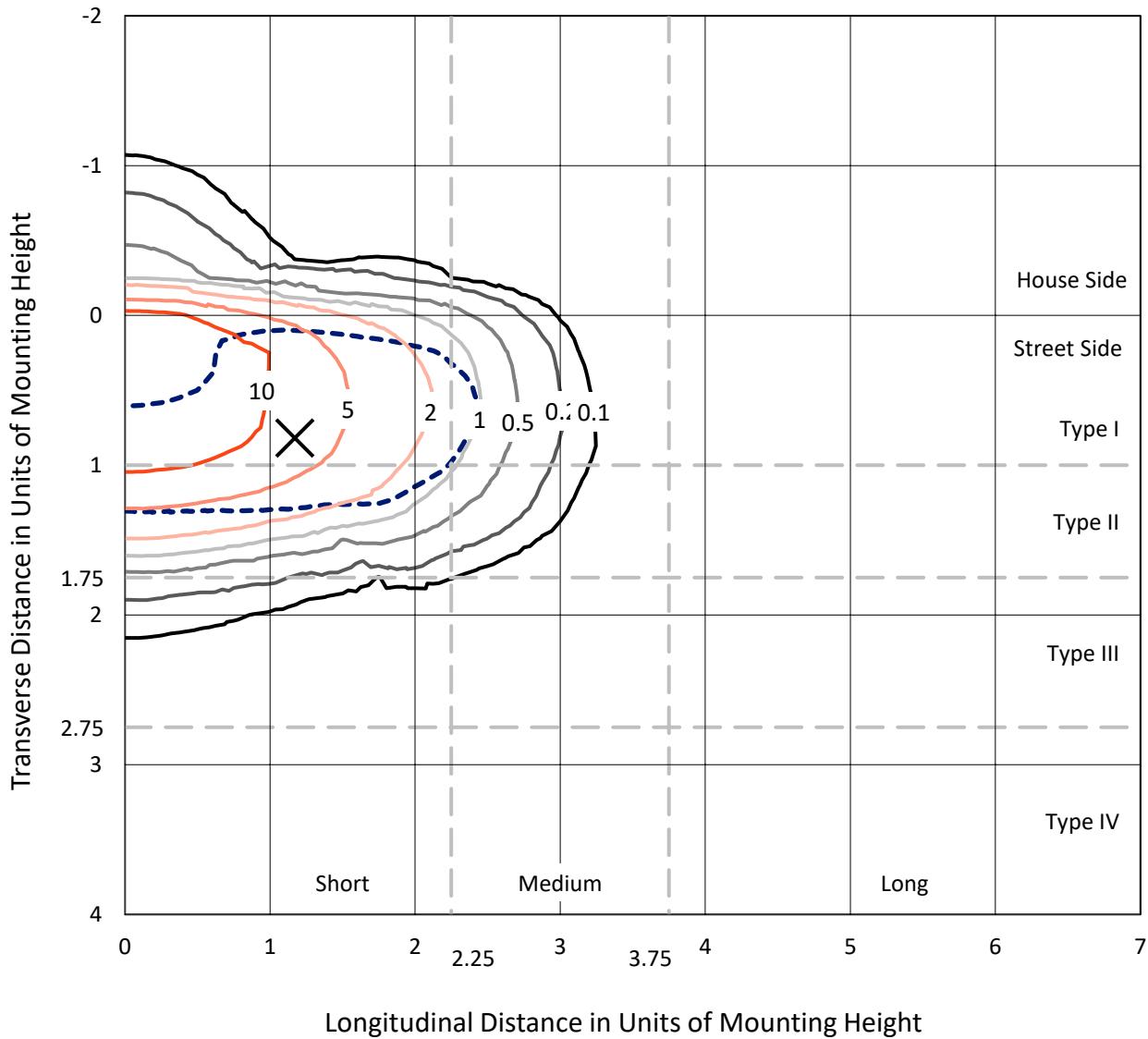
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

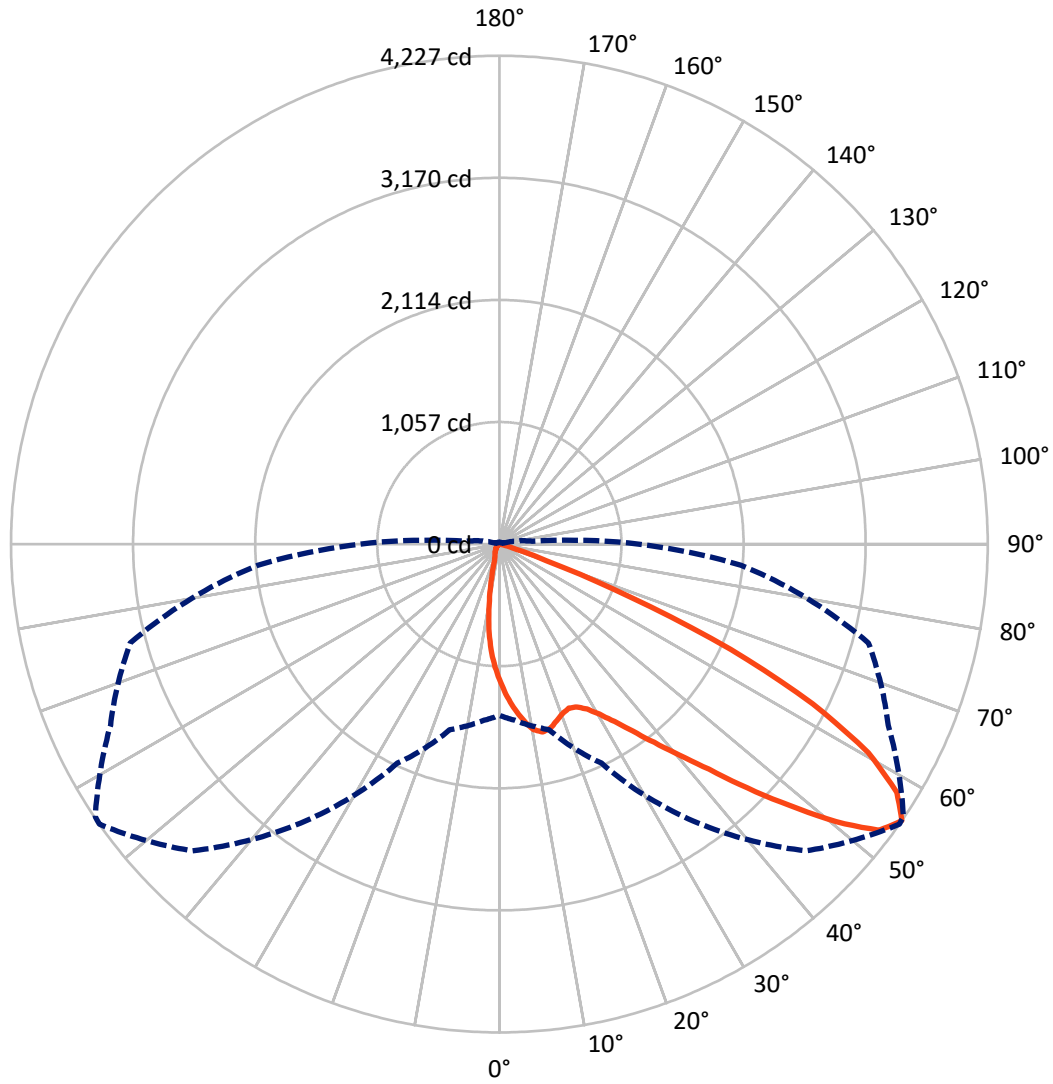
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	285.7	0.0	285.7
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	4344.8	0.0	4344.8
	% Fixture	93.8	0.0	93.8
Total	Lumens	4630.5	0.0	4630.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.7	2.3
10°-20°	254.9	5.5
20°-30°	424.5	9.2
30°-40°	723.3	15.6
40°-50°	1180.7	25.5
50°-60°	1236.2	26.7
60°-70°	623.5	13.5
70°-80°	78.8	1.7
80°-90°	3.0	0.1
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°	4630.5	100.0
0°-180°	4630.5	100.0

Coefficient of Utilization



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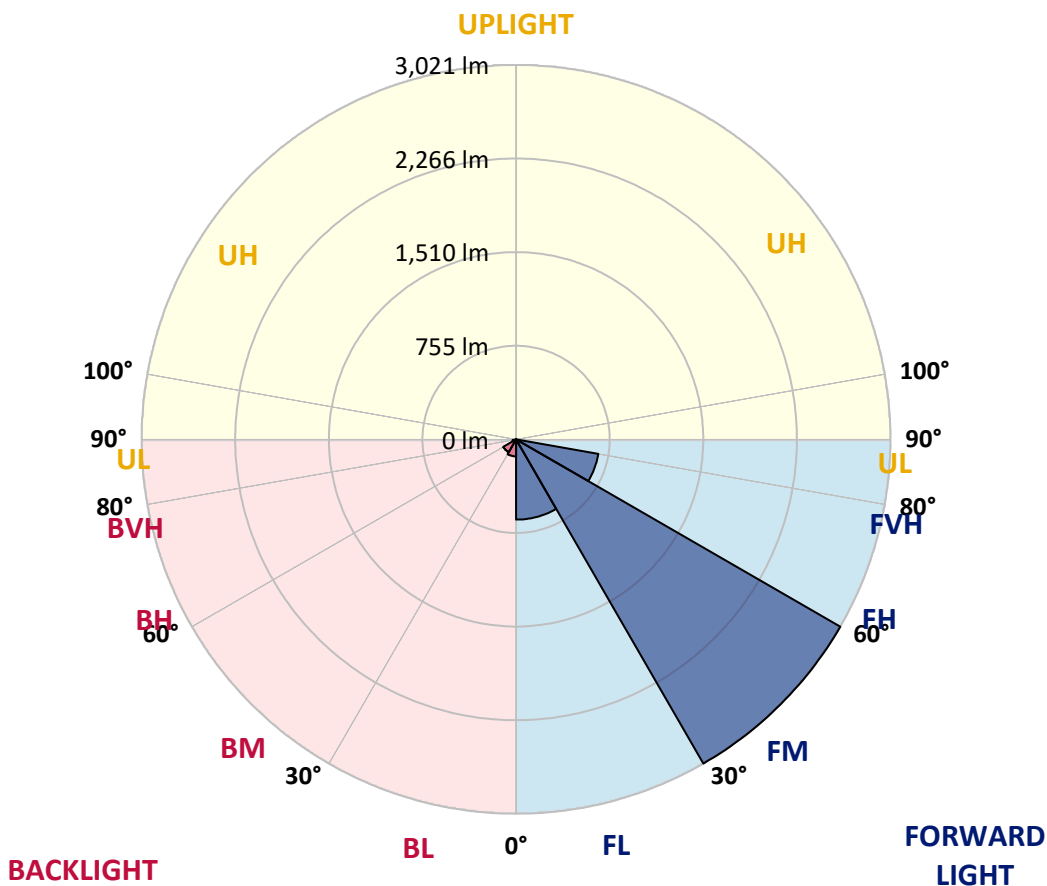
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	647.7	14.0			
FM (30°-60°)	3020.7	65.2			
FH (60°-80°)	673.6	14.5			G1/1800
FVH (80°-90°)	2.7	0.1			G0/10
BL (0°-30°)	137.3	3.0	B1/500		
BM (30°-60°)	119.5	2.6	B0/220		
BH (60°-80°)	28.7	0.6	B0/110		G0/110
BVH (80°-90°)	0.3	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1196.2	1196.2	1196.2	1196.2	1196.2	1196.2	1196.2	1196.2	1196.2	1196.2	1196.2
2.5°	1394.6	1387.8	1398.1	1386.3	1366.1	1349.0	1326.9	1319.0	1283.3	1249.7	1217.2
5°	1564.0	1566.0	1562.8	1546.2	1517.7	1486.0	1441.3	1431.4	1369.2	1305.1	1235.8
7.5°	1606.0	1604.8	1611.5	1617.8	1613.1	1597.2	1548.6	1538.7	1461.5	1365.3	1264.3
10°	1476.5	1477.3	1491.2	1533.9	1587.0	1642.0	1634.5	1628.9	1553.3	1433.4	1296.0
12.5°	1293.6	1300.8	1315.4	1376.4	1466.2	1591.3	1668.9	1674.4	1637.6	1508.2	1333.2
15°	1214.5	1216.0	1227.9	1264.7	1331.6	1486.0	1654.2	1669.7	1708.1	1583.4	1373.6
17.5°	1212.5	1214.5	1219.6	1235.8	1279.4	1403.3	1607.1	1634.1	1761.1	1664.1	1421.9
20°	1286.9	1285.7	1282.1	1273.4	1292.4	1376.0	1563.6	1593.3	1790.0	1742.9	1470.6
22.5°	1421.9	1420.3	1404.5	1368.4	1353.0	1400.9	1542.2	1569.1	1807.4	1813.0	1510.6
25°	1577.5	1588.5	1558.8	1504.2	1466.2	1464.6	1561.2	1580.2	1822.5	1875.1	1537.9
27.5°	1748.1	1751.6	1726.3	1664.9	1609.9	1566.8	1616.2	1630.5	1839.1	1930.5	1553.3
30°	1935.3	1934.1	1905.2	1834.0	1767.1	1704.9	1708.9	1714.4	1877.9	1993.9	1570.3
32.5°	2169.2	2174.4	2122.9	2025.9	1945.6	1859.7	1830.0	1830.8	1948.0	2075.4	1596.1
35°	2487.1	2474.4	2406.4	2268.2	2131.2	2038.6	1987.9	1983.6	2056.0	2185.1	1640.8
37.5°	2789.9	2791.1	2719.9	2567.9	2394.9	2248.8	2177.2	2165.3	2208.0	2337.1	1715.2
40°	3000.1	3004.1	2974.4	2894.8	2711.6	2504.9	2399.6	2387.4	2405.2	2529.5	1812.6
42.5°	3111.4	3122.4	3130.8	3149.4	3010.4	2824.8	2662.9	2661.7	2643.1	2748.8	1925.4
45°	3115.7	3132.3	3183.0	3310.1	3325.9	3189.7	3013.6	2987.1	2915.4	2983.5	2026.3
47.5°	2943.5	2981.9	3089.6	3341.3	3507.6	3552.7	3378.2	3361.9	3160.8	3169.2	2101.9
50°	2542.1	2582.1	2780.4	3181.0	3553.5	3840.9	3778.4	3744.7	3365.9	3291.9	2138.4
52.5°	2130.4	2166.9	2301.5	2799.4	3363.1	3931.6	4115.6	4075.6	3550.0	3334.6	2123.3
55°	1482.4	1531.1	1662.6	2092.4	2924.5	3755.0	4227.3	4218.9	3714.2	3307.7	2100.0
57.5°	726.8	775.1	906.1	1290.1	2166.5	3278.4	4056.6	4100.6	3812.4	3278.8	2081.0
60°	303.6	323.4	368.5	566.1	1212.1	2477.6	3671.5	3732.4	3752.2	3239.6	2079.0
62.5°	176.2	179.3	184.1	234.7	471.5	1420.3	3045.6	3132.3	3436.0	3187.8	2047.7
65°	133.0	134.2	132.2	144.1	194.8	538.7	2200.5	2318.5	2867.9	2985.1	1924.2
67.5°	109.3	109.3	104.1	106.5	122.3	201.9	1214.9	1379.5	2122.1	2453.5	1588.9
70°	87.1	89.1	86.7	83.5	87.5	111.6	432.3	536.0	1235.8	1448.8	926.7
72.5°	66.1	66.1	70.1	67.7	64.9	70.1	150.8	169.4	496.0	604.1	334.5
75°	51.1	52.6	55.4	53.0	49.1	41.6	72.4	76.8	149.6	140.5	74.8
77.5°	26.1	26.5	35.2	38.8	36.4	25.3	31.7	34.8	48.7	43.5	27.7
80°	15.8	16.6	19.8	30.5	24.1	13.5	13.1	13.9	23.0	19.8	11.5
82.5°	6.7	7.1	11.1	11.1	9.9	5.1	5.1	5.1	11.1	10.3	4.8
85°	0.0	0.0	2.0	1.6	1.6	2.0	2.0	2.0	2.8	4.0	2.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2	1.2
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°	1196.2	1196.2	1196.2	1196.2	1196.2	1196.2	1196.2	1196.2	1196.2	1196.2	1196.2
2.5°	1196.2	1170.9	1136.9	1106.0	1064.4	1041.1	1008.6	982.1	959.5	952.4	949.2
5°	1196.6	1153.1	1080.3	1007.4	918.0	847.5	775.1	717.7	670.6	655.5	651.6
7.5°	1204.6	1140.4	1022.5	890.3	740.6	617.1	506.7	407.7	361.8	346.4	343.2
10°	1215.3	1129.7	955.6	749.7	534.8	376.1	266.4	203.1	173.0	156.4	158.7
12.5°	1229.1	1121.0	881.6	597.7	353.9	206.6	146.5	122.7	116.4	113.2	111.6
15°	1247.7	1110.7	789.7	446.9	216.9	133.0	112.8	106.5	104.1	102.5	102.1
17.5°	1266.7	1098.9	696.3	314.3	144.1	110.4	101.3	98.2	96.6	95.4	95.0
20°	1286.9	1078.7	586.6	216.5	113.6	99.4	93.4	89.9	87.9	85.9	85.5
22.5°	1295.6	1046.2	481.7	151.6	100.9	91.4	83.9	79.6	77.2	75.6	75.6
25°	1287.3	993.6	373.3	115.2	91.8	82.7	75.2	70.5	68.5	66.9	66.9
27.5°	1265.1	925.9	272.3	95.4	81.9	73.6	66.5	62.1	60.6	59.8	59.8
30°	1240.6	840.4	192.0	81.9	70.9	64.1	58.2	55.4	55.0	54.2	54.2
32.5°	1219.6	760.4	132.2	72.0	62.5	55.8	51.9	50.7	51.1	50.3	50.7
35°	1208.1	682.0	98.2	64.1	55.8	49.5	47.5	47.5	47.5	47.1	47.1
37.5°	1212.9	604.9	80.0	58.6	49.9	45.1	43.1	43.9	44.7	44.7	44.7
40°	1236.6	536.4	70.9	53.4	44.7	41.2	39.6	40.8	42.0	42.8	42.8
42.5°	1266.7	481.0	64.1	49.1	41.2	37.2	36.4	37.6	38.8	39.6	39.6
45°	1285.7	425.1	57.4	43.5	37.6	32.9	32.9	34.4	34.0	34.4	34.4
47.5°	1294.4	380.8	50.7	37.6	32.1	28.5	28.9	29.7	28.9	29.7	29.7
50°	1273.0	336.1	44.7	31.3	26.5	24.9	25.7	25.3	25.3	26.9	26.9
52.5°	1233.9	302.8	39.6	26.5	22.6	22.2	23.0	21.4	21.8	21.8	21.4
55°	1205.0	283.8	35.2	23.0	19.4	19.8	19.4	16.6	15.0	13.5	13.1
57.5°	1190.7	276.3	32.1	20.6	17.4	17.4	15.8	11.5	8.7	6.7	5.9
60°	1187.5	267.2	28.9	17.8	15.4	14.6	11.5	6.7	4.4	3.2	2.8
62.5°	1157.5	245.0	26.1	14.3	13.5	11.9	7.1	4.0	2.4	1.6	1.2
65°	1058.9	201.5	23.4	11.1	10.3	8.7	4.4	2.4	1.2	0.4	0.0
67.5°	842.4	142.9	20.6	8.3	7.1	5.5	2.8	1.6	0.4	0.0	0.0
70°	485.7	77.2	17.0	5.9	4.8	3.6	2.0	0.8	0.0	0.0	0.0
72.5°	162.3	36.0	13.1	4.0	3.6	2.8	1.2	0.4	0.0	0.0	0.0
75°	35.6	21.4	8.7	2.8	2.4	2.0	0.8	0.0	0.0	0.0	0.0
77.5°	13.5	15.0	4.4	2.0	1.6	1.2	0.4	0.0	0.0	0.0	0.0
80°	5.1	9.9	2.0	1.2	1.2	0.4	0.0	0.0	0.0	0.0	0.0
82.5°	2.8	4.0	1.2	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.6	2.0	0.8	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.4	0.4	0.4	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)