

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: P630832

Luminaire Tested: GWS-SA1E-740-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630832
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-740-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5970.5 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

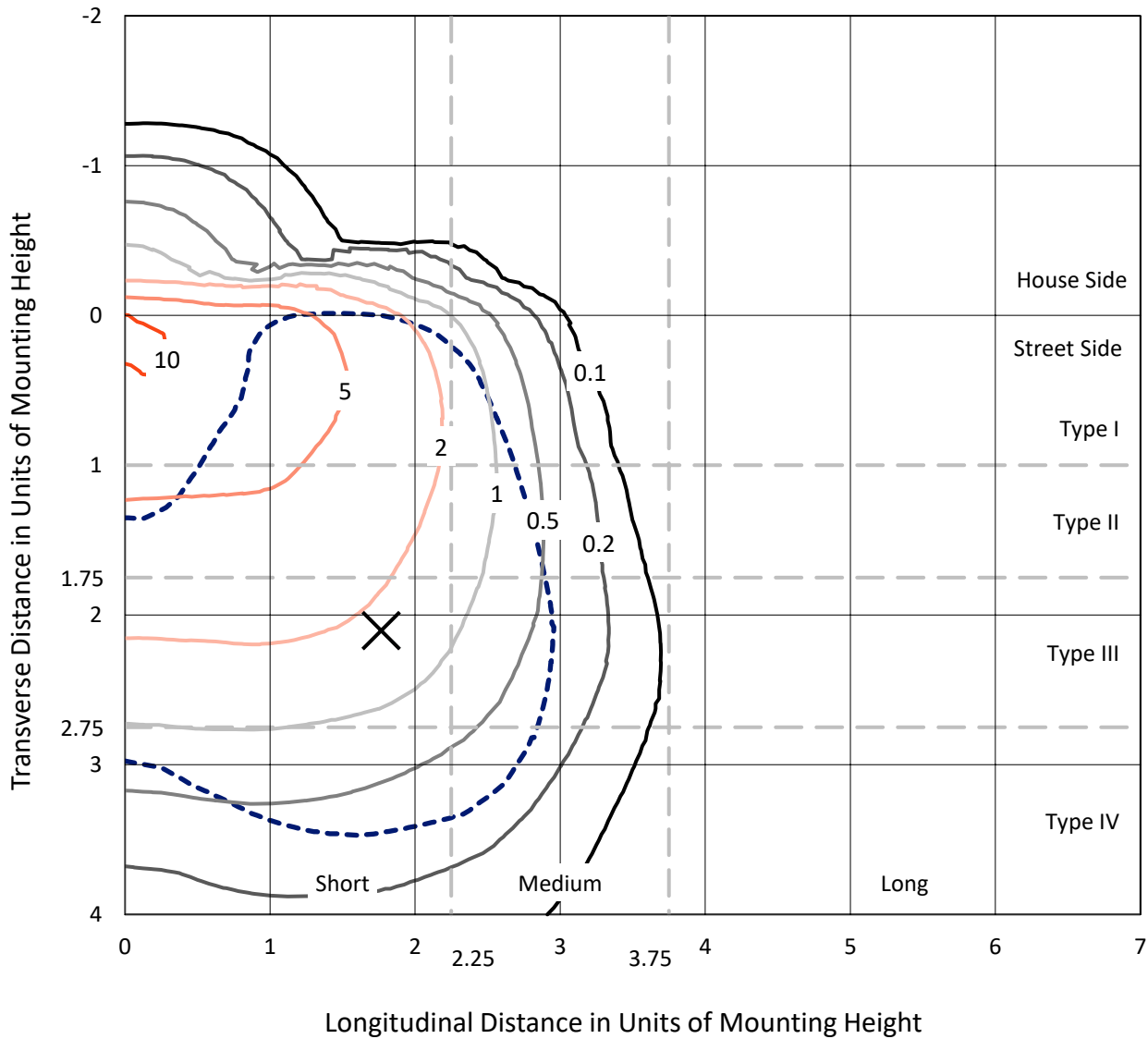
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

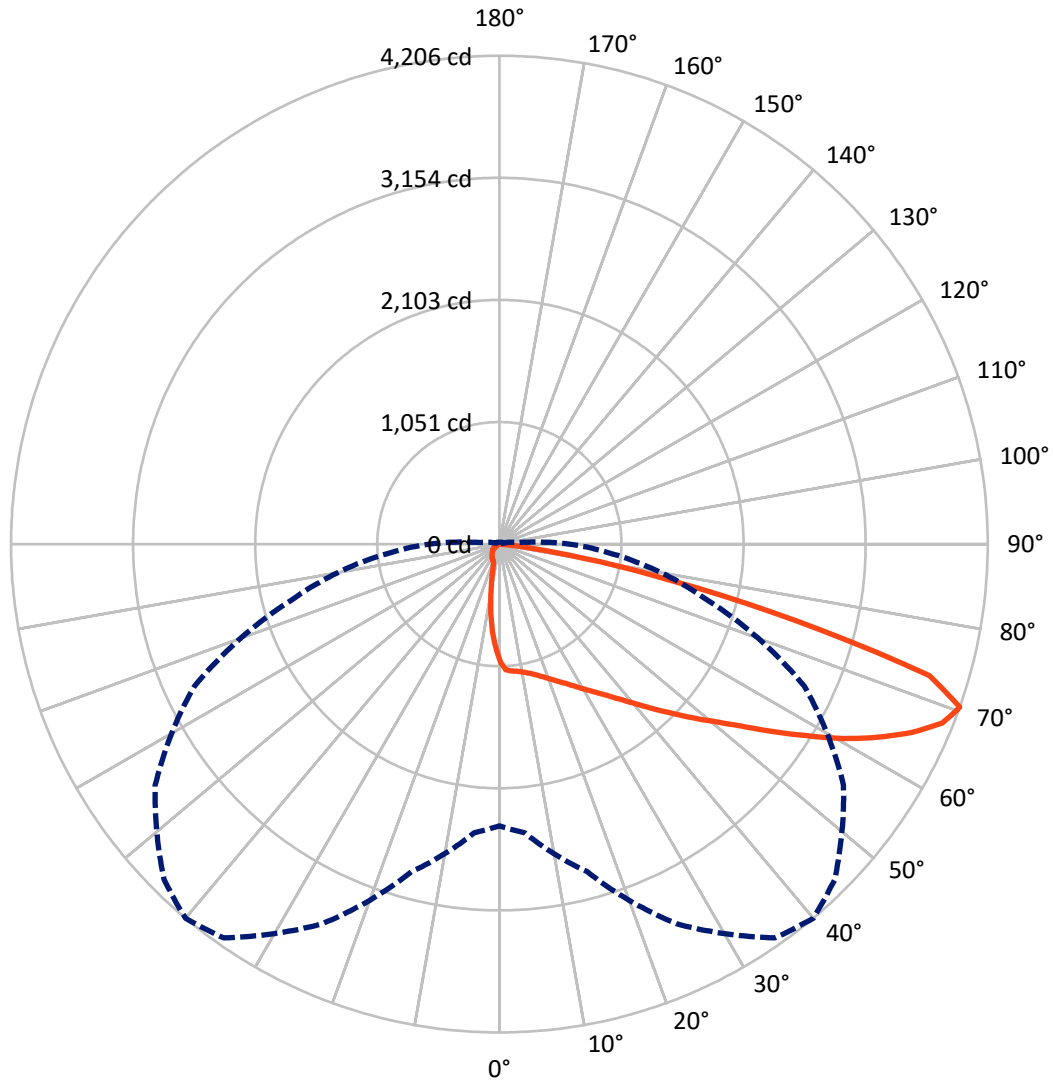
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	488.2	0.0	488.2
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	5482.3	0.0	5482.3
	% Fixture	91.8	0.0	91.8
Total	Lumens	5970.5	0.0	5970.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.6	1.4
10°-20°	217.2	3.6
20°-30°	363.5	6.1
30°-40°	570.9	9.6
40°-50°	903.0	15.1
50°-60°	1317.3	22.1
60°-70°	1632.9	27.4
70°-80°	826.2	13.8
80°-90°	53.9	0.9
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°	5970.5	100.0
0°-180°	5970.5	100.0

Coefficient of Utilization

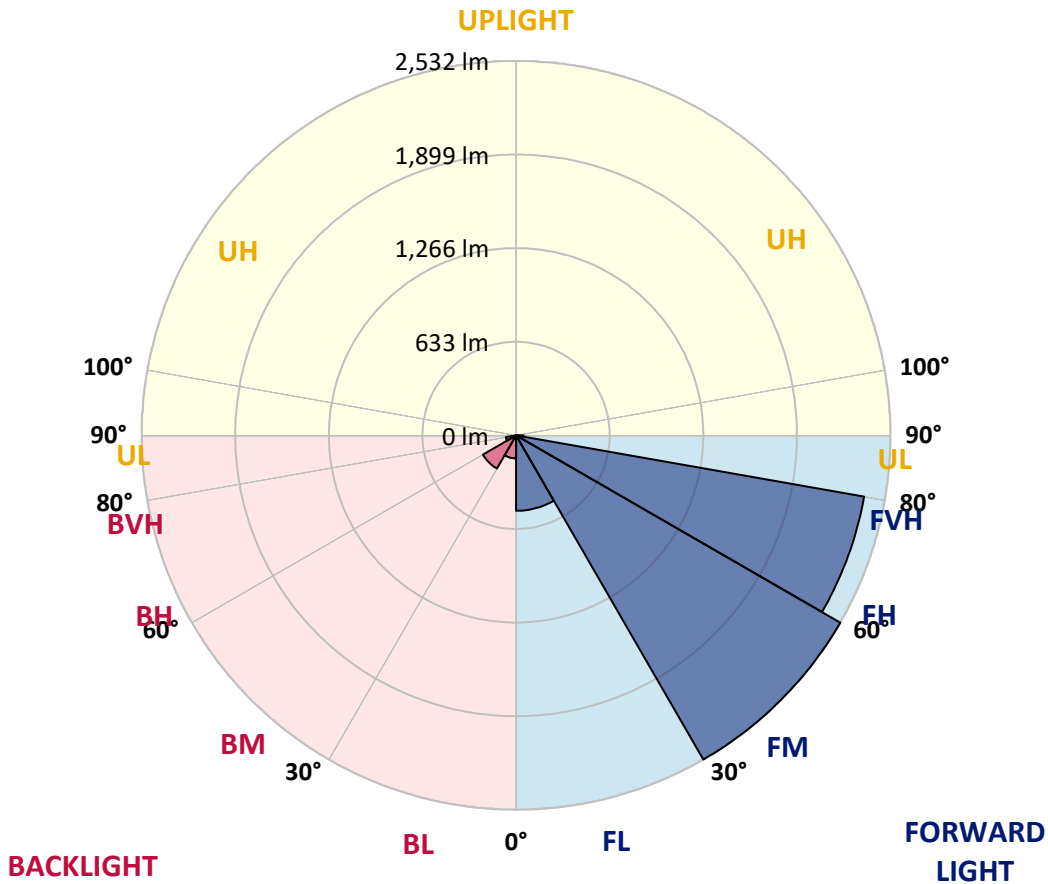


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	510.4	8.5			
FM (30°-60°)	2532.0	42.4			
FH (60°-80°)	2389.5	40.0			G2/5000
FVH (80°-90°)	50.4	0.8			G1/100
BL (0°-30°)	155.9	2.6	B1/500		
BM (30°-60°)	259.2	4.3	B1/1000		
BH (60°-80°)	69.6	1.2	B0/110		G0/110
BVH (80°-90°)	3.6	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-G2
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1
2.5°	1089.2	1093.0	1092.4	1094.1	1090.3	1084.3	1083.2	1075.1	1060.4	1041.9	1021.3
5°	1111.4	1115.8	1112.5	1110.9	1103.8	1097.3	1095.7	1087.0	1070.2	1045.2	1009.3
7.5°	1130.5	1131.5	1129.4	1125.6	1115.2	1106.6	1100.6	1088.6	1068.5	1043.5	1002.3
10°	1133.7	1133.2	1134.3	1134.8	1128.3	1120.7	1115.8	1099.5	1074.0	1047.3	1002.8
12.5°	1129.9	1129.9	1137.0	1145.1	1145.1	1141.3	1136.4	1121.8	1091.9	1060.4	1013.7
15°	1134.8	1136.4	1150.0	1165.2	1170.1	1166.3	1164.1	1148.9	1118.0	1083.2	1033.2
17.5°	1152.2	1153.8	1175.5	1198.4	1204.3	1200.0	1195.6	1180.4	1147.3	1109.3	1055.5
20°	1177.7	1182.1	1209.8	1239.1	1244.5	1239.1	1230.4	1209.2	1176.1	1137.5	1076.7
22.5°	1224.4	1227.2	1257.0	1288.0	1290.7	1282.0	1269.0	1239.6	1204.9	1167.4	1100.6
25°	1286.4	1290.2	1320.0	1349.9	1342.9	1329.8	1311.9	1278.8	1239.1	1202.7	1131.0
27.5°	1360.2	1364.6	1393.9	1420.0	1401.5	1386.3	1366.2	1324.9	1284.7	1251.6	1170.1
30°	1440.1	1443.9	1470.0	1493.3	1468.9	1451.0	1427.1	1384.7	1343.9	1319.0	1225.5
32.5°	1517.2	1516.7	1541.7	1560.7	1535.7	1521.6	1499.9	1456.9	1424.3	1413.5	1308.1
35°	1588.9	1588.9	1609.6	1628.6	1610.7	1603.1	1583.0	1548.7	1530.3	1543.3	1418.4
37.5°	1661.2	1657.4	1676.9	1698.1	1696.5	1697.0	1685.6	1669.3	1670.4	1716.6	1569.9
40°	1720.9	1719.3	1742.1	1769.8	1791.6	1809.0	1801.9	1807.9	1842.1	1928.5	1763.9
42.5°	1768.8	1772.6	1801.9	1845.9	1900.8	1936.1	1941.0	1965.4	2053.4	2187.0	1982.8
45°	1823.6	1824.2	1864.9	1932.3	2019.7	2075.7	2095.2	2158.2	2283.2	2455.4	2222.9
47.5°	1891.0	1884.5	1930.1	2024.6	2151.2	2233.8	2268.5	2347.3	2540.7	2717.2	2418.5
50°	1965.4	1953.5	2005.1	2133.8	2298.4	2401.6	2472.2	2587.4	2796.0	2932.4	2564.0
52.5°	2051.8	2040.4	2099.0	2259.3	2475.0	2600.4	2691.2	2807.4	3014.9	3096.4	2651.0
55°	2161.5	2150.1	2212.0	2409.8	2683.6	2846.5	2941.6	3039.4	3218.6	3217.5	2714.0
57.5°	2283.2	2267.4	2353.3	2599.9	2943.8	3113.2	3209.9	3257.7	3373.5	3311.5	2756.3
60°	2422.8	2408.7	2527.6	2826.4	3244.2	3401.2	3462.0	3442.4	3500.6	3366.9	2741.7
62.5°	2548.8	2542.3	2690.1	3066.5	3530.4	3663.0	3679.8	3594.5	3594.0	3368.0	2642.8
65°	2679.7	2692.2	2911.7	3343.0	3818.4	3907.4	3878.7	3745.6	3631.5	3234.9	2350.6
67.5°	2728.6	2765.0	3057.8	3592.9	4045.4	4115.0	4064.4	3821.1	3475.6	2787.3	1789.9
70°	2426.6	2495.1	2919.9	3607.0	4139.4	4205.7	4084.5	3617.9	2897.6	1846.4	980.5
72.5°	1845.3	1925.2	2433.1	2953.5	3722.7	3873.8	3666.8	2947.6	1867.6	808.9	329.2
75°	1032.7	1119.1	1812.2	2224.0	2499.4	2637.4	2561.3	1891.0	827.3	211.3	98.3
77.5°	349.3	378.1	843.1	1376.0	1649.8	1525.9	1291.8	939.2	304.2	80.4	52.1
80°	207.0	217.8	314.0	685.0	868.1	719.8	568.2	347.1	154.8	42.9	36.4
82.5°	61.9	73.3	173.3	254.2	340.1	211.9	179.3	198.3	80.4	23.4	30.4
85°	0.0	0.0	36.9	78.8	89.1	34.8	34.8	112.4	14.7	9.8	22.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.7	1.6	2.2	4.9
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°	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1
2.5°	1006.6	987.6	965.3	944.1	924.0	898.0	885.5	870.3	857.2	850.2	854.0
5°	986.5	956.6	911.0	864.8	818.1	774.1	734.4	707.8	683.9	671.4	674.1
7.5°	969.1	928.9	857.8	782.2	707.3	631.8	570.4	522.6	485.6	470.4	467.7
10°	961.5	911.0	810.5	701.9	586.7	485.1	398.2	345.5	308.0	289.5	292.8
12.5°	965.3	901.8	770.3	623.1	473.7	355.3	272.2	222.7	196.1	185.2	182.5
15°	976.2	899.6	734.4	542.7	365.6	248.3	188.0	167.9	162.4	161.3	161.3
17.5°	988.7	900.1	697.5	461.2	277.6	184.2	160.8	157.0	155.4	154.3	154.8
20°	1001.2	900.1	655.1	378.6	208.6	159.2	153.2	150.5	148.8	148.3	148.3
22.5°	1016.4	900.1	607.9	302.0	167.3	151.0	146.1	144.5	142.9	142.3	141.8
25°	1034.9	900.7	555.7	236.3	152.1	144.0	140.2	138.5	136.9	135.8	135.8
27.5°	1061.5	905.0	498.1	184.2	143.4	137.4	134.2	132.5	130.9	129.3	129.3
30°	1100.0	915.9	433.5	152.1	135.3	130.4	127.1	126.0	124.4	122.8	122.2
32.5°	1157.6	934.9	366.7	136.4	127.7	122.8	119.0	117.9	116.3	114.6	114.1
35°	1238.0	969.7	301.5	126.6	117.9	113.0	110.8	110.3	108.1	106.5	106.5
37.5°	1355.9	1026.2	239.0	116.8	109.7	105.9	103.2	102.1	100.0	98.3	97.8
40°	1499.9	1099.5	185.8	109.2	102.1	98.3	95.6	94.0	91.3	89.1	88.0
42.5°	1683.5	1189.1	146.7	101.0	95.1	91.3	89.1	85.8	82.0	78.8	78.2
45°	1874.7	1281.5	121.1	93.4	88.5	85.3	82.6	78.2	72.8	69.0	67.9
47.5°	2021.4	1339.1	105.9	85.3	81.5	78.8	75.5	70.1	63.6	59.2	58.1
50°	2126.2	1347.8	94.5	77.7	75.5	72.8	67.9	61.4	54.3	50.0	48.9
52.5°	2177.8	1308.6	85.3	70.6	69.0	66.3	60.3	53.2	45.6	41.3	40.2
55°	2201.2	1234.8	76.6	64.6	62.5	59.2	52.7	45.1	37.5	33.7	32.6
57.5°	2191.9	1125.6	69.0	58.7	56.0	52.1	45.1	36.9	31.0	27.2	26.6
60°	2123.5	972.4	61.4	52.7	49.4	45.1	38.0	30.4	25.0	22.3	21.7
62.5°	1975.7	782.2	53.8	45.6	43.5	39.1	32.6	25.0	20.6	19.0	18.5
65°	1673.1	553.0	46.2	38.6	37.5	33.1	27.2	20.6	17.9	16.8	16.3
67.5°	1202.7	336.3	39.1	33.1	32.1	28.2	22.8	17.9	16.3	15.8	15.8
70°	604.6	159.2	31.0	27.2	27.2	23.4	19.6	16.3	15.8	15.2	15.2
72.5°	205.3	67.9	23.4	21.2	22.3	20.1	16.8	15.2	15.2	15.2	15.2
75°	70.1	35.9	16.3	15.2	16.3	16.3	14.7	14.7	15.2	15.2	15.2
77.5°	45.6	23.9	11.4	10.3	12.5	12.5	12.5	13.6	14.7	14.7	14.7
80°	37.5	13.0	7.6	7.1	9.2	9.2	10.3	12.5	13.6	13.6	13.6
82.5°	32.1	8.1	4.3	4.9	6.5	7.1	8.7	10.3	12.0	12.5	12.5
85°	21.7	4.3	3.3	3.8	4.3	5.4	7.1	8.7	9.8	10.9	10.9
87.5°	6.0	1.6	2.2	2.7	2.7	3.8	5.4	6.5	7.6	8.1	8.1
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)