

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: P630282

Luminaire Tested: GWS-SA1D-735-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630282
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-SA1D-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4712.2 lumens
Efficiency: N/A
Efficacy: 106.4 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

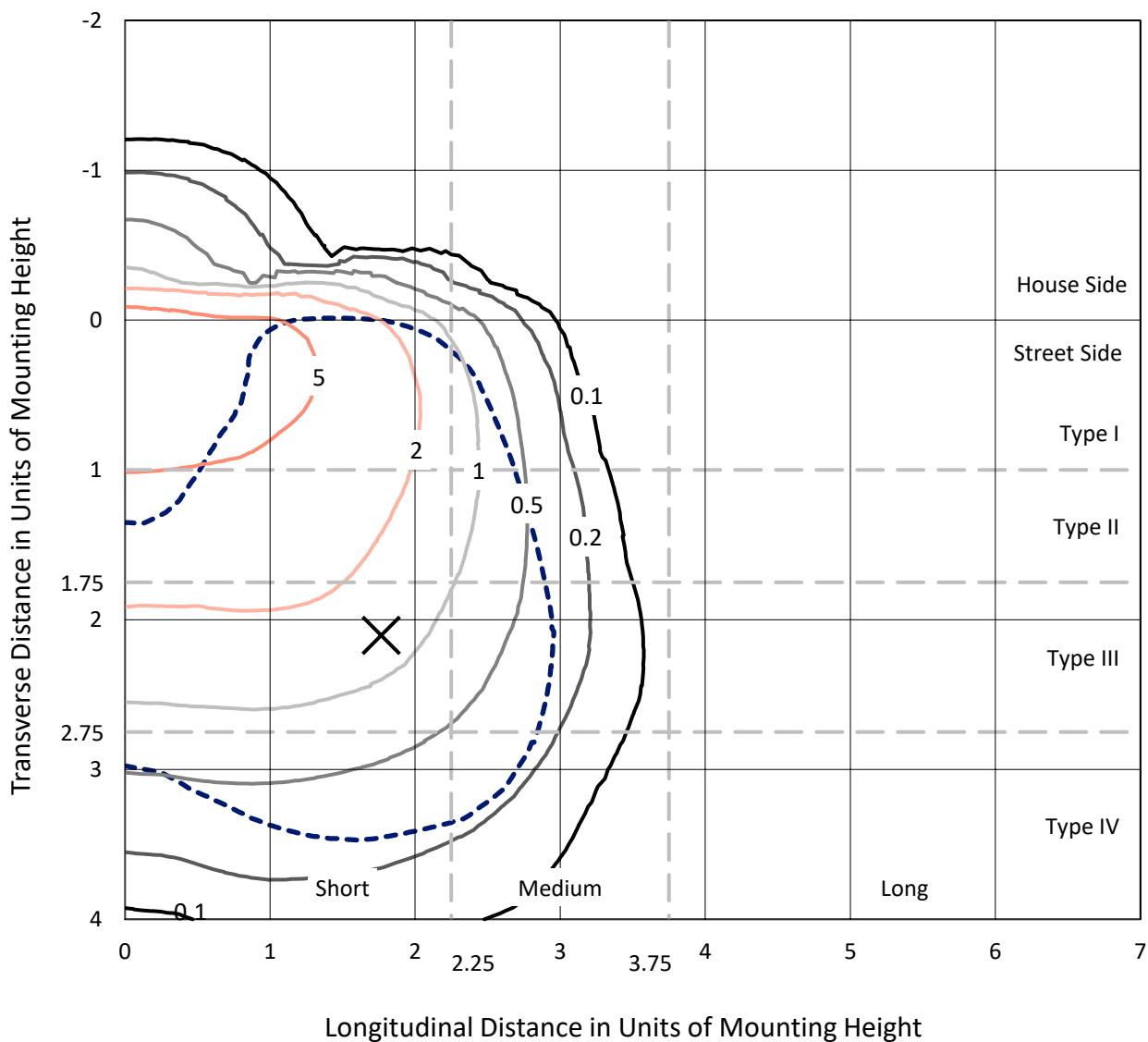
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

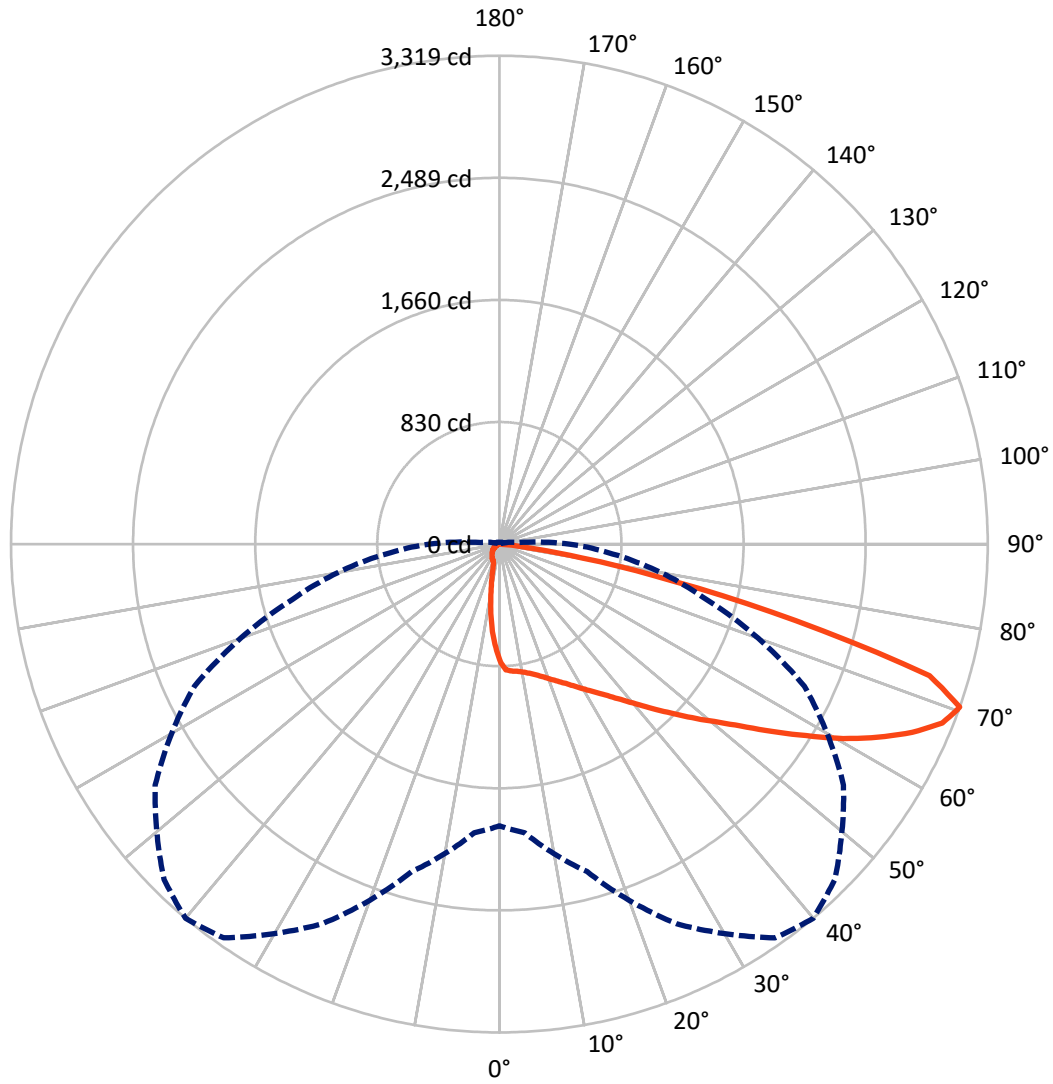
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 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	385.3	0.0	385.3
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	4326.9	0.0	4326.9
	% Fixture	91.8	0.0	91.8
Total	Lumens	4712.2	0.0	4712.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	1.4
10°-20°	171.4	3.6
20°-30°	286.9	6.1
30°-40°	450.6	9.6
40°-50°	712.7	15.1
50°-60°	1039.6	22.1
60°-70°	1288.8	27.4
70°-80°	652.1	13.8
80°-90°	42.6	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°	4712.2	100.0
0°-180°	4712.2	100.0

Coefficient of Utilization



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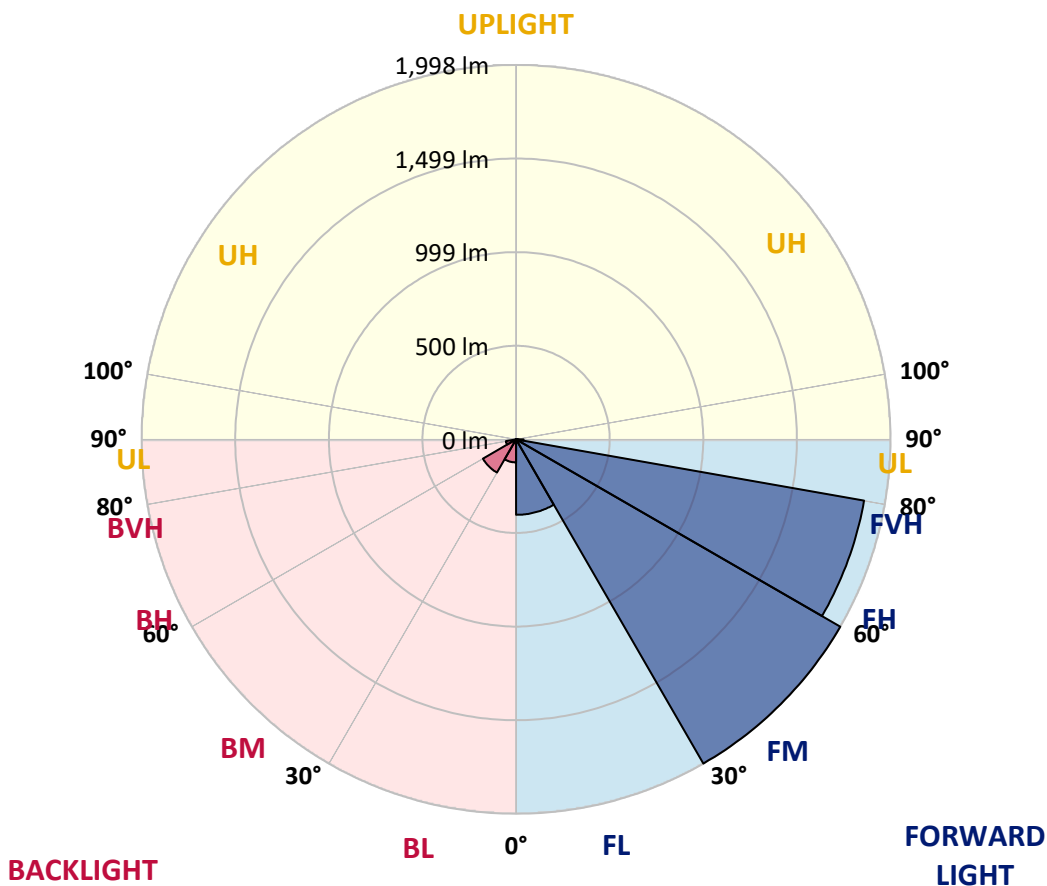
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	402.8	8.5			
FM (30°-60°)	1998.4	42.4			
FH (60°-80°)	1885.9	40.0			G2/5000
FVH (80°-90°)	39.8	0.8			G1/100
BL (0°-30°)	123.1	2.6	B1/500		
BM (30°-60°)	204.5	4.3	B0/220		
BH (60°-80°)	54.9	1.2	B0/110		G0/110
BVH (80°-90°)	2.8	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°	799.6	799.6	799.6	799.6	799.6	799.6	799.6	799.6	799.6	799.6	799.6
2.5°	859.6	862.6	862.2	863.5	860.5	855.8	854.9	848.5	836.9	822.3	806.0
5°	877.2	880.6	878.1	876.8	871.2	866.1	864.8	857.9	844.6	824.9	796.6
7.5°	892.2	893.1	891.4	888.4	880.2	873.3	868.6	859.2	843.3	823.6	791.0
10°	894.8	894.4	895.2	895.6	890.5	884.5	880.6	867.8	847.6	826.6	791.5
12.5°	891.8	891.8	897.4	903.8	903.8	900.8	896.9	885.4	861.8	836.9	800.0
15°	895.6	896.9	907.6	919.7	923.5	920.5	918.8	906.8	882.4	854.9	815.5
17.5°	909.4	910.6	927.8	945.8	950.5	947.1	943.7	931.7	905.5	875.5	833.0
20°	929.5	932.9	954.8	978.0	982.2	978.0	971.1	954.4	928.2	897.8	849.8
22.5°	966.4	968.5	992.1	1016.5	1018.7	1011.8	1001.5	978.4	950.9	921.4	868.6
25°	1015.3	1018.3	1041.8	1065.4	1059.9	1049.6	1035.4	1009.3	978.0	949.2	892.6
27.5°	1073.6	1077.0	1100.2	1120.7	1106.2	1094.1	1078.3	1045.7	1014.0	987.8	923.5
30°	1136.6	1139.6	1160.2	1178.6	1159.3	1145.2	1126.3	1092.9	1060.7	1041.0	967.2
32.5°	1197.5	1197.0	1216.8	1231.8	1212.1	1200.9	1183.8	1149.9	1124.2	1115.6	1032.4
35°	1254.1	1254.1	1270.4	1285.4	1271.2	1265.2	1249.4	1222.3	1207.8	1218.1	1119.4
37.5°	1311.1	1308.1	1323.5	1340.2	1339.0	1339.4	1330.4	1317.5	1318.4	1354.8	1239.1
40°	1358.3	1357.0	1375.0	1396.8	1414.0	1427.7	1422.1	1426.9	1453.9	1522.0	1392.1
42.5°	1396.0	1399.0	1422.1	1456.9	1500.2	1528.0	1531.9	1551.2	1620.6	1726.1	1564.9
45°	1439.3	1439.7	1471.9	1525.0	1594.1	1638.2	1653.7	1703.4	1802.0	1937.9	1754.4
47.5°	1492.5	1487.3	1523.3	1597.9	1697.8	1763.0	1790.4	1852.6	2005.2	2144.6	1908.8
50°	1551.2	1541.8	1582.5	1684.1	1814.0	1895.5	1951.2	2042.1	2206.7	2314.3	2023.7
52.5°	1619.4	1610.4	1656.7	1783.1	1953.3	2052.4	2124.0	2215.7	2379.5	2443.8	2092.3
55°	1706.0	1697.0	1745.8	1901.9	2118.0	2246.6	2321.6	2398.8	2540.3	2539.4	2142.0
57.5°	1802.0	1789.6	1857.3	2052.0	2323.4	2457.1	2533.4	2571.2	2662.5	2613.6	2175.4
60°	1912.2	1901.0	1994.9	2230.7	2560.4	2684.4	2732.4	2716.9	2762.8	2657.3	2163.9
62.5°	2011.7	2006.5	2123.1	2420.2	2786.4	2891.0	2904.3	2837.0	2836.6	2658.2	2085.8
65°	2115.0	2124.8	2298.1	2638.5	3013.6	3083.9	3061.2	2956.2	2866.1	2553.2	1855.2
67.5°	2153.6	2182.3	2413.4	2835.7	3192.8	3247.7	3207.8	3015.8	2743.1	2199.9	1412.7
70°	1915.2	1969.2	2304.5	2846.8	3267.0	3319.3	3223.7	2855.4	2286.9	1457.3	773.9
72.5°	1456.4	1519.5	1920.3	2331.1	2938.2	3057.4	2894.0	2326.4	1474.0	638.4	259.8
75°	815.0	883.2	1430.3	1755.3	1972.6	2081.5	2021.5	1492.5	653.0	166.8	77.6
77.5°	275.7	298.4	665.4	1086.0	1302.1	1204.3	1019.5	741.3	240.1	63.5	41.2
80°	163.4	171.9	247.8	540.6	685.1	568.1	448.5	274.0	122.2	33.9	28.7
82.5°	48.9	57.9	136.8	200.7	268.4	167.2	141.5	156.5	63.5	18.4	24.0
85°	0.0	0.0	29.2	62.2	70.3	27.4	27.4	88.7	11.6	7.7	17.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.1	1.3	1.7	3.9
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°	799.6	799.6	799.6	799.6	799.6	799.6	799.6	799.6	799.6	799.6	799.6
2.5°	794.5	779.5	761.9	745.2	729.3	708.7	698.8	686.8	676.6	671.0	674.0
5°	778.6	755.0	719.0	682.6	645.7	611.0	579.7	558.7	539.8	529.9	532.1
7.5°	764.9	733.1	677.0	617.4	558.2	498.6	450.2	412.4	383.3	371.3	369.1
10°	758.9	719.0	639.7	553.9	463.0	382.9	314.3	272.7	243.1	228.5	231.1
12.5°	761.9	711.7	608.0	491.8	373.9	280.4	214.8	175.8	154.8	146.2	144.1
15°	770.4	710.0	579.7	428.3	288.5	195.9	148.3	132.5	128.2	127.3	127.3
17.5°	780.3	710.4	550.5	364.0	219.1	145.3	126.9	123.9	122.6	121.8	122.2
20°	790.2	710.4	517.1	298.8	164.6	125.6	120.9	118.8	117.5	117.0	117.0
22.5°	802.2	710.4	479.8	238.4	132.1	119.2	115.3	114.0	112.8	112.3	111.9
25°	816.8	710.9	438.6	186.5	120.0	113.6	110.6	109.3	108.0	107.2	107.2
27.5°	837.8	714.3	393.2	145.3	113.2	108.5	105.9	104.6	103.3	102.0	102.0
30°	868.2	722.9	342.1	120.0	106.8	102.9	100.3	99.5	98.2	96.9	96.5
32.5°	913.6	737.9	289.4	107.6	100.8	96.9	93.9	93.0	91.8	90.5	90.0
35°	977.1	765.3	238.0	99.9	93.0	89.2	87.5	87.0	85.3	84.0	84.0
37.5°	1070.1	809.9	188.6	92.2	86.6	83.6	81.5	80.6	78.9	77.6	77.2
40°	1183.8	867.8	146.6	86.2	80.6	77.6	75.5	74.2	72.0	70.3	69.5
42.5°	1328.7	938.5	115.8	79.7	75.0	72.0	70.3	67.7	64.7	62.2	61.7
45°	1479.6	1011.4	95.6	73.7	69.9	67.3	65.2	61.7	57.5	54.5	53.6
47.5°	1595.3	1056.8	83.6	67.3	64.3	62.2	59.6	55.3	50.2	46.7	45.9
50°	1678.1	1063.7	74.6	61.3	59.6	57.5	53.6	48.4	42.9	39.4	38.6
52.5°	1718.8	1032.8	67.3	55.7	54.5	52.3	47.6	42.0	36.0	32.6	31.7
55°	1737.3	974.5	60.5	51.0	49.3	46.7	41.6	35.6	29.6	26.6	25.7
57.5°	1730.0	888.4	54.5	46.3	44.2	41.2	35.6	29.2	24.4	21.4	21.0
60°	1676.0	767.4	48.4	41.6	39.0	35.6	30.0	24.0	19.7	17.6	17.1
62.5°	1559.3	617.4	42.4	36.0	34.3	30.9	25.7	19.7	16.3	15.0	14.6
65°	1320.5	436.5	36.4	30.4	29.6	26.2	21.4	16.3	14.1	13.3	12.9
67.5°	949.2	265.4	30.9	26.2	25.3	22.3	18.0	14.1	12.9	12.4	12.4
70°	477.2	125.6	24.4	21.4	21.4	18.4	15.4	12.9	12.4	12.0	12.0
72.5°	162.1	53.6	18.4	16.7	17.6	15.9	13.3	12.0	12.0	12.0	12.0
75°	55.3	28.3	12.9	12.0	12.9	12.9	11.6	11.6	12.0	12.0	12.0
77.5°	36.0	18.9	9.0	8.1	9.9	9.9	9.9	10.7	11.6	11.6	11.6
80°	29.6	10.3	6.0	5.6	7.3	7.3	8.1	9.9	10.7	10.7	10.7
82.5°	25.3	6.4	3.4	3.9	5.1	5.6	6.9	8.1	9.4	9.9	9.9
85°	17.1	3.4	2.6	3.0	3.4	4.3	5.6	6.9	7.7	8.6	8.6
87.5°	4.7	1.3	1.7	2.1	2.1	3.0	4.3	5.1	6.0	6.4	6.4
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)