

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: P629610

Luminaire Tested: GWS-SA1C-722-U-AFL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629610
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-722-U-AFL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3211.9 lumens
Efficiency: N/A
Efficacy: 94.2 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

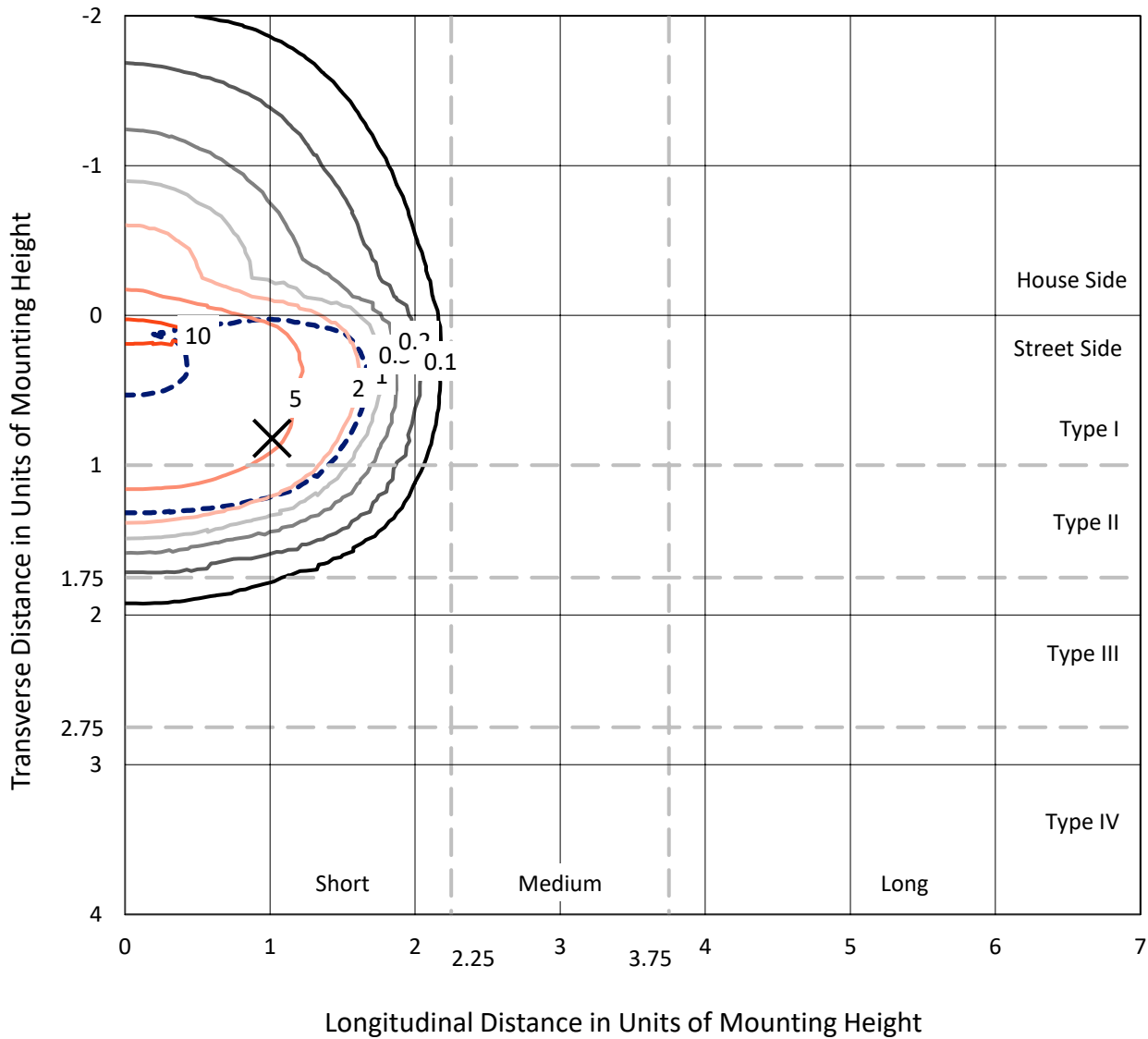
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

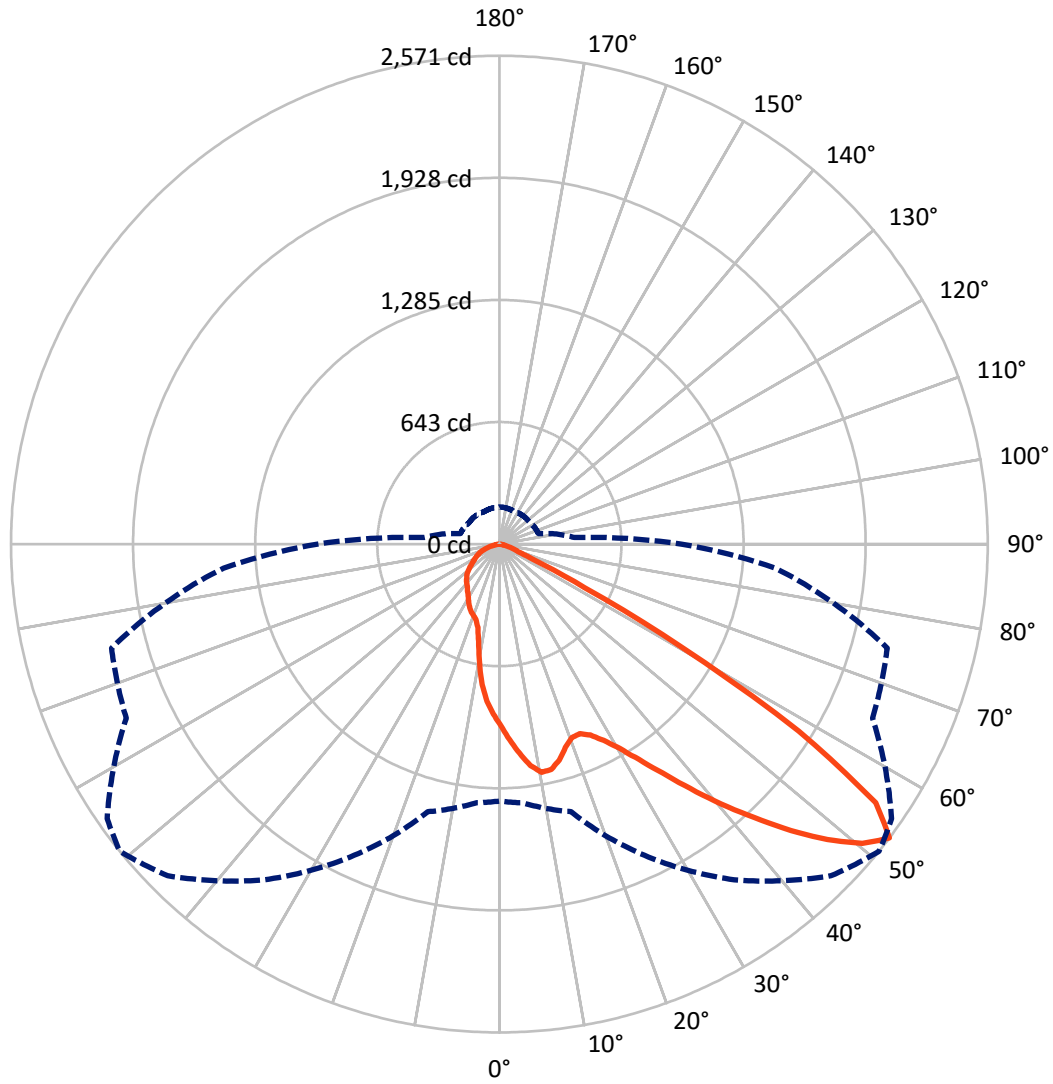
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	625.8	0.0	625.8
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	2586.1	0.0	2586.1
	% Fixture	80.5	0.0	80.5
Total	Lumens	3211.9	0.0	3211.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.2	2.8
10°-20°	231.9	7.2
20°-30°	377.0	11.7
30°-40°	597.5	18.6
40°-50°	901.1	28.1
50°-60°	779.6	24.3
60°-70°	176.7	5.5
70°-80°	52.1	1.6
80°-90°	6.7	0.2
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°	3211.9	100.0
0°-180°	3211.9	100.0

Coefficient of Utilization



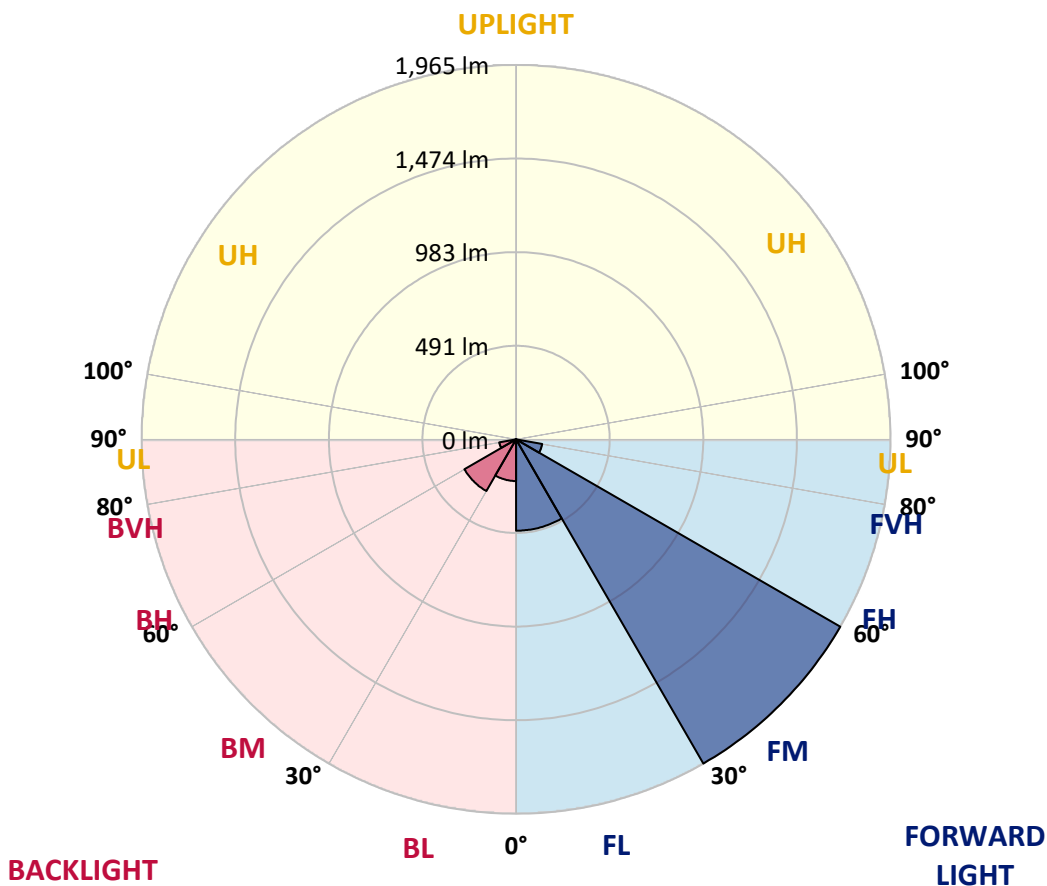
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	479.4	14.9			
FM (30°-60°)	1965.1	61.2			
FH (60°-80°)	139.1	4.3			G0/660
FVH (80°-90°)	2.5	0.1			G0/10
BL (0°-30°)	218.8	6.8	B1/500		
BM (30°-60°)	313.1	9.7	B1/1000		
BH (60°-80°)	89.8	2.8	B0/110		G0/110
BVH (80°-90°)	4.2	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	956.3	956.3	956.3	956.3	956.3	956.3	956.3	956.3	956.3	956.3	956.3
2.5°	1065.7	1071.8	1062.4	1058.9	1053.0	1042.9	1031.2	1027.9	1002.8	986.3	967.8
5°	1172.8	1176.1	1168.5	1160.9	1146.4	1128.4	1105.8	1101.0	1055.3	1017.5	978.2
7.5°	1196.7	1195.4	1202.0	1206.3	1204.6	1197.5	1177.4	1168.0	1113.4	1053.6	995.4
10°	1102.3	1095.2	1119.5	1148.5	1183.2	1223.3	1221.1	1220.3	1172.8	1102.0	1017.5
12.5°	977.2	973.6	993.4	1029.7	1095.4	1184.3	1217.5	1243.4	1226.4	1148.2	1042.1
15°	905.6	904.3	917.8	943.9	996.2	1108.4	1179.4	1230.7	1272.3	1197.7	1068.3
17.5°	892.6	893.4	898.0	912.9	950.5	1042.9	1125.1	1196.7	1308.1	1252.0	1101.0
20°	930.5	935.5	927.7	929.9	950.3	1019.3	1088.1	1162.4	1331.0	1306.6	1136.3
22.5°	1014.5	1012.7	995.4	985.3	985.5	1033.8	1084.0	1146.4	1345.9	1359.6	1168.3
25°	1109.6	1107.6	1087.1	1064.5	1050.3	1073.1	1113.2	1163.4	1359.4	1408.1	1193.9
27.5°	1222.1	1215.7	1192.9	1164.0	1132.5	1142.4	1169.5	1209.4	1380.2	1455.8	1210.9
30°	1331.0	1338.3	1305.6	1271.3	1238.1	1232.0	1247.7	1283.8	1422.6	1511.7	1231.2
32.5°	1475.4	1472.8	1436.5	1391.9	1344.4	1339.8	1352.3	1385.3	1498.7	1588.8	1262.2
35°	1650.2	1650.8	1599.2	1538.8	1471.3	1459.1	1479.9	1511.9	1612.2	1693.4	1311.2
37.5°	1832.0	1831.2	1786.3	1717.8	1625.6	1608.4	1632.2	1656.1	1754.1	1835.8	1387.3
40°	1959.4	1964.5	1943.4	1907.4	1820.0	1777.9	1799.0	1815.5	1908.4	2003.3	1487.6
42.5°	2031.7	2039.3	2043.9	2065.5	2019.5	1974.6	1967.0	1975.6	2046.2	2158.9	1581.7
45°	2047.2	2057.4	2090.6	2170.6	2188.3	2175.6	2150.8	2129.9	2149.0	2269.3	1643.4
47.5°	1978.9	1996.7	2067.8	2207.6	2311.4	2351.3	2323.6	2291.9	2208.4	2297.7	1637.1
50°	1708.4	1729.2	1889.3	2132.0	2328.9	2474.1	2476.6	2429.7	2201.3	2215.7	1557.4
52.5°	1352.5	1366.7	1458.4	1807.4	2157.1	2469.0	2570.6	2520.3	2167.0	2113.2	1457.6
55°	808.4	831.2	916.7	1192.4	1680.5	2188.3	2404.6	2428.9	2150.2	2027.2	1389.6
57.5°	272.8	284.0	365.7	526.6	990.4	1602.3	1857.9	1956.8	1952.0	1895.7	1256.8
60°	129.9	132.5	149.0	199.7	396.4	837.3	1099.7	1214.0	1318.0	1328.4	782.0
62.5°	99.0	100.5	108.9	119.8	159.4	352.8	504.1	591.4	631.7	542.1	284.8
65°	82.7	84.0	90.4	97.2	108.4	152.8	193.4	223.1	201.0	156.6	135.8
67.5°	69.0	70.1	74.9	82.2	89.8	102.3	107.4	110.4	115.7	129.9	124.9
70°	54.1	55.1	60.2	66.5	73.9	76.9	81.7	84.8	95.4	113.7	113.2
72.5°	41.6	42.9	45.7	49.7	55.8	58.9	64.2	67.8	73.9	88.6	94.7
75°	30.5	31.2	33.8	35.0	35.8	35.0	40.4	44.4	52.5	58.1	59.6
77.5°	12.4	14.0	13.5	13.5	16.0	19.3	22.1	24.6	30.2	33.5	33.8
80°	5.1	5.6	6.6	7.4	8.9	11.4	13.2	14.2	16.8	18.8	20.3
82.5°	3.0	3.3	3.8	4.1	5.1	6.6	7.6	8.4	10.4	12.4	13.2
85°	1.5	1.5	1.8	2.0	2.5	3.0	3.6	4.1	5.3	6.6	7.4
87.5°	0.3	0.3	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.0	2.5
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°	956.3	956.3	956.3	956.3	956.3	956.3	956.3	956.3	956.3	956.3	956.3
2.5°	956.9	943.1	927.2	914.5	899.7	888.8	873.3	863.7	854.6	847.0	841.4
5°	957.9	934.8	901.5	872.1	841.6	812.7	783.0	758.9	737.3	719.3	717.8
7.5°	963.7	930.5	878.4	826.9	767.5	710.2	652.8	606.1	570.6	552.0	548.2
10°	973.6	929.9	854.8	772.6	671.3	578.9	510.9	475.4	454.8	447.5	444.9
12.5°	984.0	928.7	824.6	695.9	555.3	474.4	437.1	432.7	436.5	437.1	436.8
15°	996.7	927.9	786.5	606.1	470.6	425.9	428.4	437.6	446.4	448.5	448.5
17.5°	1012.2	926.1	734.8	518.3	417.5	416.5	429.9	442.1	450.5	452.0	452.0
20°	1028.4	921.6	671.1	446.7	395.9	410.7	425.1	434.5	440.4	442.4	442.6
22.5°	1039.6	909.4	597.7	393.7	382.5	399.5	409.9	419.5	419.5	414.5	412.9
25°	1041.9	883.2	518.3	357.4	366.5	382.2	392.9	387.3	376.9	372.8	372.6
27.5°	1033.5	845.2	439.8	331.5	347.2	362.9	361.2	353.0	348.5	344.4	345.9
30°	1023.3	799.5	371.8	310.2	324.9	340.4	334.3	331.5	328.2	323.6	324.6
32.5°	1016.5	748.5	319.5	293.7	309.9	312.4	316.8	316.5	313.5	304.8	304.3
35°	1018.5	697.0	284.5	280.2	297.5	296.4	304.6	303.0	282.0	270.1	269.3
37.5°	1034.8	647.5	264.0	269.5	277.7	284.0	291.1	272.8	265.5	257.9	258.4
40°	1065.7	601.5	252.8	263.7	265.7	275.1	258.6	258.4	255.1	248.2	248.0
42.5°	1100.8	562.7	245.2	260.9	258.1	259.9	242.4	244.4	244.2	239.8	238.6
45°	1122.1	526.9	239.1	250.5	251.3	233.5	228.2	230.5	231.7	229.4	229.2
47.5°	1100.0	485.8	232.7	234.5	241.1	221.6	215.0	215.2	217.5	217.8	216.8
50°	1038.1	439.8	225.1	220.8	216.5	209.1	203.0	201.8	204.1	206.3	207.1
52.5°	958.1	395.9	212.4	205.8	195.7	195.7	192.9	188.8	191.9	194.9	195.9
55°	899.5	363.5	194.4	187.1	175.9	179.7	179.2	175.6	179.7	182.0	182.7
57.5°	779.4	292.1	171.1	168.8	159.4	164.0	165.0	160.4	158.4	158.9	159.6
60°	462.7	188.6	154.3	154.1	145.7	151.0	154.1	149.5	143.4	144.2	145.2
62.5°	207.6	144.2	133.2	132.2	132.0	138.8	142.1	137.8	129.2	129.9	131.0
65°	130.7	124.6	115.7	115.7	119.8	125.6	128.2	124.6	114.7	113.5	114.5
67.5°	121.3	116.0	106.9	105.1	107.1	111.9	112.2	105.3	99.5	98.5	98.5
70°	108.9	104.8	95.9	92.4	91.6	91.4	90.6	88.8	85.0	84.0	84.5
72.5°	90.1	87.3	81.7	77.9	75.9	75.6	72.6	71.1	67.8	67.3	67.0
75°	59.6	60.4	60.4	59.9	58.1	57.4	54.1	52.5	48.7	47.2	47.0
77.5°	35.3	36.0	37.1	37.3	37.1	37.1	34.0	32.2	28.4	26.4	25.9
80°	21.6	22.1	22.6	23.4	22.3	21.6	18.8	17.0	15.2	14.0	13.7
82.5°	14.0	14.5	14.7	15.2	14.7	13.7	11.4	10.4	9.1	8.1	7.9
85°	7.9	8.1	8.6	8.6	7.9	7.1	5.8	5.1	4.3	3.8	3.8
87.5°	2.8	2.8	2.8	3.0	2.5	2.3	1.5	1.0	0.8	0.8	0.8
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)