

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: P632097

Luminaire Tested: GWS-SA2C-722-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632097
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-SA2C-722-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5371.5 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

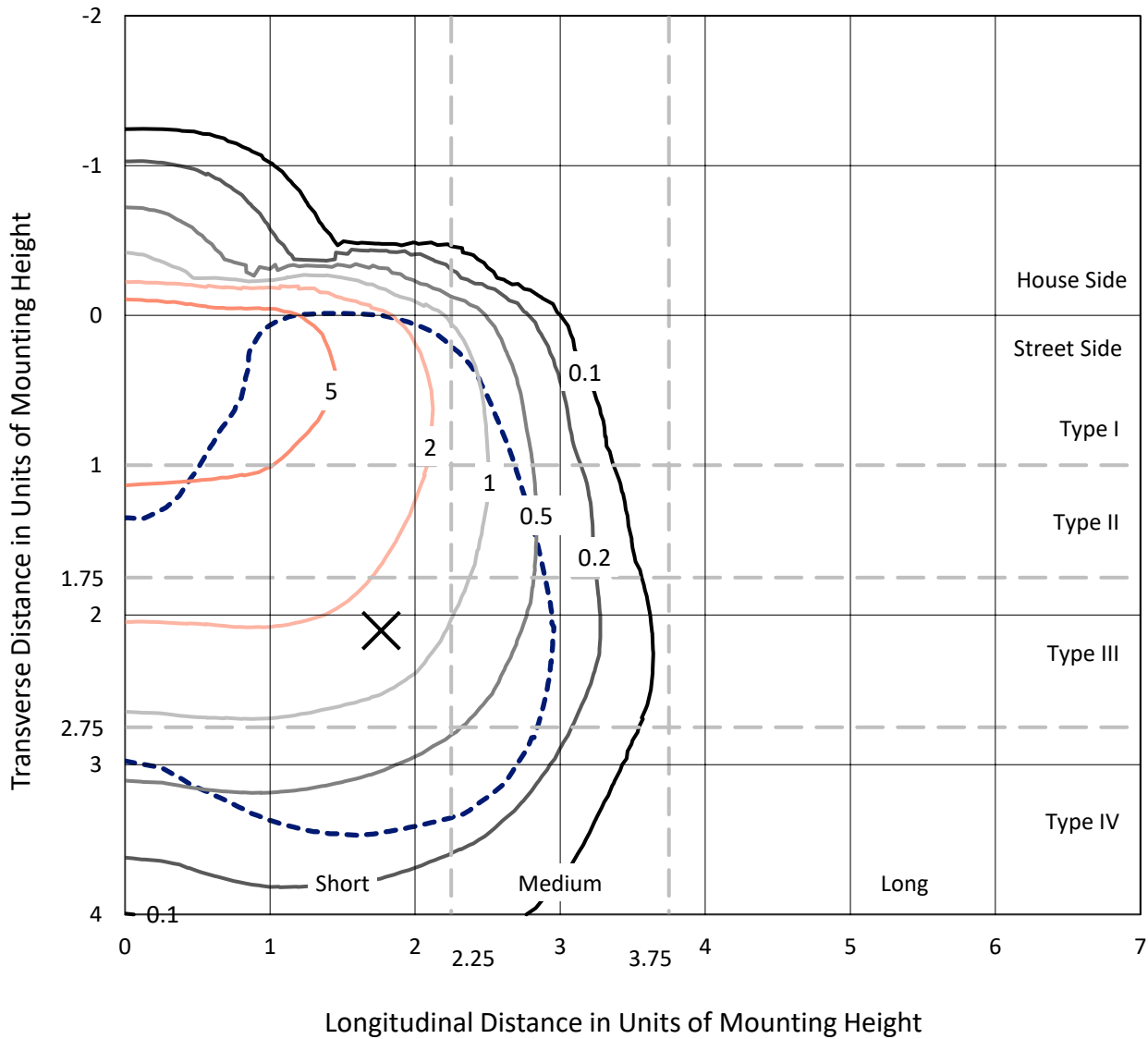
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

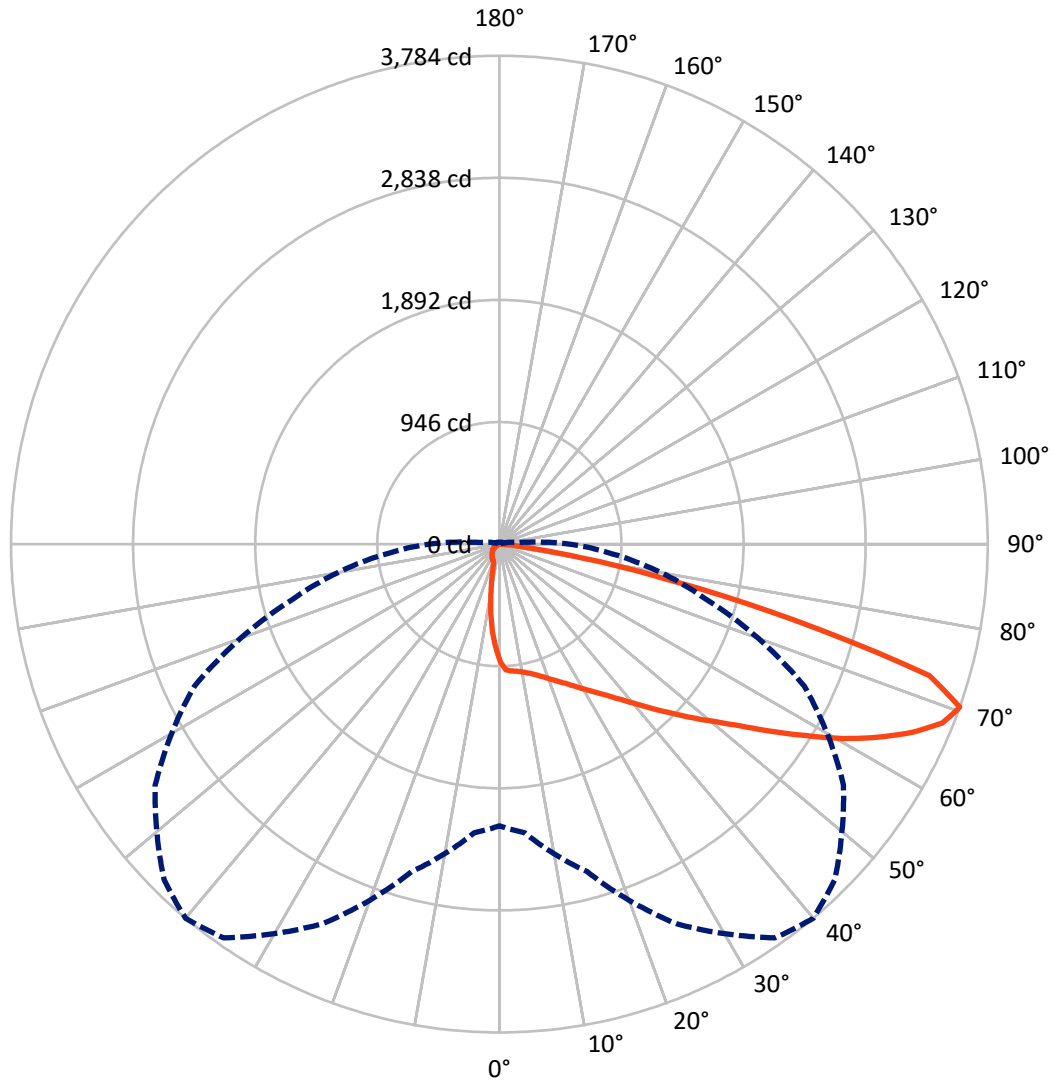
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.9 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	439.3	0.0	439.3
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	4932.3	0.0	4932.3
	% Fixture	91.8	0.0	91.8
Total	Lumens	5371.5	0.0	5371.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.0	1.4
10°-20°	195.4	3.6
20°-30°	327.0	6.1
30°-40°	513.6	9.6
40°-50°	812.4	15.1
50°-60°	1185.1	22.1
60°-70°	1469.1	27.4
70°-80°	743.3	13.8
80°-90°	48.5	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°	5371.5	100.0
0°-180°	5371.5	100.0

Coefficient of Utilization



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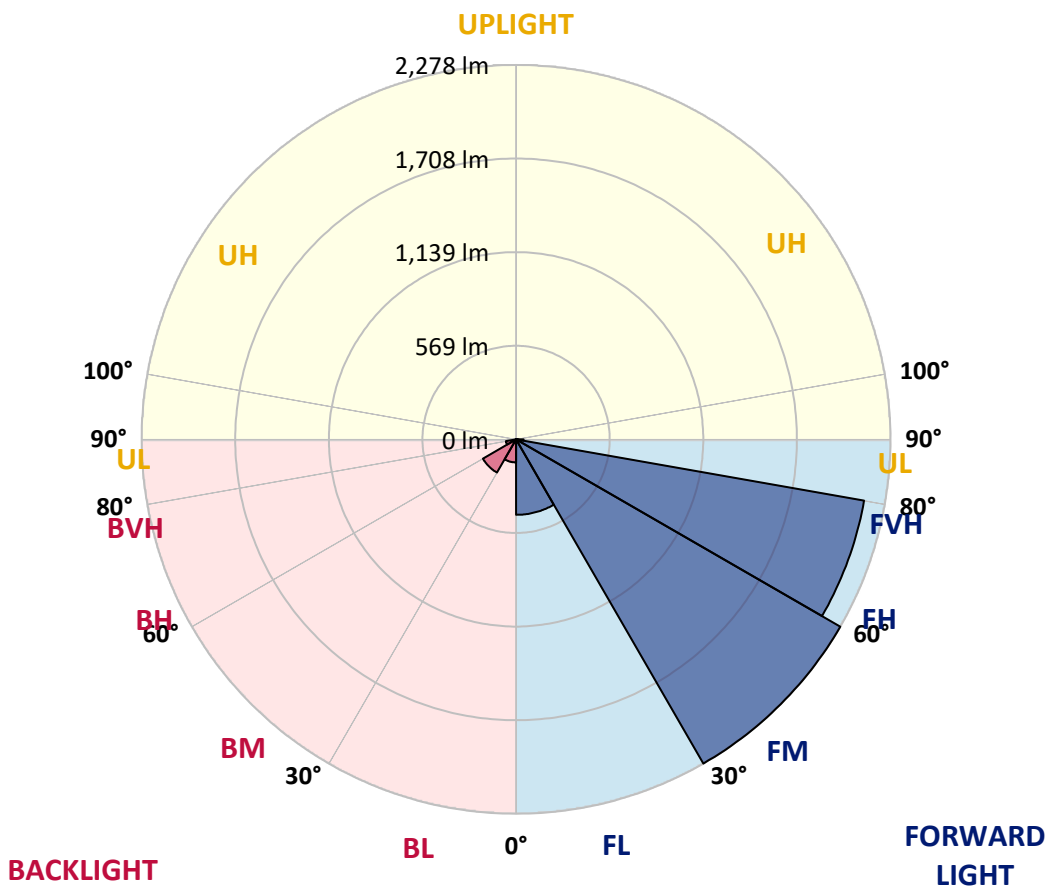
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	459.2	8.5			
FM (30°-60°)	2278.0	42.4			
FH (60°-80°)	2149.8	40.0			G2/5000
FVH (80°-90°)	45.3	0.8			G1/100
BL (0°-30°)	140.3	2.6	B1/500		
BM (30°-60°)	233.2	4.3	B1/1000		
BH (60°-80°)	62.6	1.2	B0/110		G0/110
BVH (80°-90°)	3.2	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	911.5	911.5	911.5	911.5	911.5	911.5	911.5	911.5	911.5	911.5	911.5
2.5°	979.9	983.3	982.8	984.3	980.9	975.5	974.5	967.2	954.0	937.4	918.8
5°	999.9	1003.8	1000.9	999.5	993.1	987.2	985.8	977.9	962.8	940.3	908.1
7.5°	1017.0	1018.0	1016.1	1012.6	1003.4	995.5	990.2	979.4	961.3	938.8	901.7
10°	1020.0	1019.5	1020.5	1021.0	1015.1	1008.2	1003.8	989.2	966.2	942.3	902.2
12.5°	1016.6	1016.6	1022.9	1030.2	1030.2	1026.8	1022.4	1009.2	982.3	954.0	912.0
15°	1021.0	1022.4	1034.6	1048.3	1052.7	1049.3	1047.3	1033.7	1005.8	974.5	929.6
17.5°	1036.6	1038.1	1057.6	1078.1	1083.5	1079.6	1075.7	1062.0	1032.2	998.0	949.6
20°	1059.6	1063.5	1088.4	1114.8	1119.7	1114.8	1107.0	1087.9	1058.1	1023.4	968.7
22.5°	1101.6	1104.0	1130.9	1158.8	1161.2	1153.4	1141.7	1115.3	1084.0	1050.3	990.2
25°	1157.3	1160.7	1187.6	1214.5	1208.1	1196.4	1180.3	1150.5	1114.8	1082.0	1017.5
27.5°	1223.8	1227.7	1254.1	1277.5	1260.9	1247.2	1229.2	1192.0	1155.8	1126.0	1052.7
30°	1295.6	1299.0	1322.5	1343.5	1321.5	1305.4	1283.9	1245.8	1209.1	1186.6	1102.6
32.5°	1365.0	1364.5	1387.0	1404.1	1381.6	1368.9	1349.4	1310.8	1281.4	1271.7	1176.9
35°	1429.5	1429.5	1448.1	1465.2	1449.1	1442.2	1424.2	1393.4	1376.7	1388.5	1276.1
37.5°	1494.5	1491.1	1508.7	1527.8	1526.3	1526.8	1516.5	1501.9	1502.8	1544.4	1412.4
40°	1548.3	1546.8	1567.4	1592.3	1611.8	1627.5	1621.1	1626.5	1657.3	1735.0	1586.9
42.5°	1591.3	1594.7	1621.1	1660.7	1710.1	1741.8	1746.2	1768.2	1847.4	1967.6	1783.9
45°	1640.7	1641.2	1677.8	1738.4	1817.1	1867.4	1885.0	1941.7	2054.1	2209.1	1999.9
47.5°	1701.3	1695.4	1736.5	1821.5	1935.4	2009.7	2040.9	2111.8	2285.8	2444.6	2175.8
50°	1768.2	1757.5	1803.9	1919.7	2067.8	2160.7	2224.2	2327.8	2515.5	2638.2	2306.8
52.5°	1845.9	1835.7	1888.4	2032.6	2226.6	2339.5	2421.2	2525.8	2712.4	2785.8	2385.0
55°	1944.7	1934.4	1990.1	2168.0	2414.3	2560.9	2646.5	2734.4	2895.7	2894.7	2441.7
57.5°	2054.1	2040.0	2117.2	2339.1	2648.4	2800.9	2887.9	2930.9	3035.0	2979.3	2479.8
60°	2179.7	2167.0	2274.1	2542.9	2918.7	3059.9	3114.7	3097.1	3149.4	3029.1	2466.6
62.5°	2293.1	2287.3	2420.2	2758.9	3176.2	3295.5	3310.6	3233.9	3233.4	3030.1	2377.7
65°	2410.9	2422.1	2619.6	3007.6	3435.3	3515.4	3489.5	3369.8	3267.2	2910.4	2114.7
67.5°	2454.9	2487.6	2751.1	3232.5	3639.6	3702.1	3656.7	3437.7	3126.9	2507.7	1610.4
70°	2183.2	2244.7	2626.9	3245.2	3724.1	3783.7	3674.8	3254.9	2606.9	1661.2	882.2
72.5°	1660.2	1732.1	2189.0	2657.2	3349.3	3485.1	3298.9	2651.8	1680.2	727.7	296.2
75°	929.1	1006.8	1630.4	2000.9	2248.6	2372.8	2304.4	1701.3	744.3	190.1	88.5
77.5°	314.3	340.2	758.5	1237.9	1484.3	1372.8	1162.2	845.0	273.7	72.3	46.9
80°	186.2	196.0	282.5	616.3	781.0	647.6	511.2	312.3	139.3	38.6	32.7
82.5°	55.7	66.0	155.9	228.7	305.9	190.6	161.3	178.4	72.3	21.0	27.4
85°	0.0	0.0	33.2	70.9	80.2	31.3	31.3	101.2	13.2	8.8	20.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.4	1.5	2.0	4.4
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°	911.5	911.5	911.5	911.5	911.5	911.5	911.5	911.5	911.5	911.5	911.5
2.5°	905.6	888.5	868.5	849.4	831.3	807.9	796.6	782.9	771.2	764.9	768.3
5°	887.5	860.7	819.6	778.1	736.0	696.4	660.8	636.8	615.3	604.1	606.5
7.5°	871.9	835.7	771.7	703.8	636.3	568.4	513.2	470.2	436.9	423.2	420.8
10°	865.0	819.6	729.2	631.4	527.8	436.4	358.2	310.8	277.1	260.5	263.4
12.5°	868.5	811.3	693.0	560.6	426.2	319.6	244.9	200.4	176.4	166.7	164.2
15°	878.2	809.3	660.8	488.2	328.9	223.3	169.1	151.0	146.1	145.2	145.2
17.5°	889.5	809.8	627.5	414.9	249.7	165.7	144.7	141.2	139.8	138.8	139.3
20°	900.7	809.8	589.4	340.6	187.7	143.2	137.8	135.4	133.9	133.4	133.4
22.5°	914.4	809.8	546.9	271.7	150.5	135.9	131.5	130.0	128.5	128.0	127.6
25°	931.0	810.3	500.0	212.6	136.8	129.5	126.1	124.6	123.2	122.2	122.2
27.5°	955.0	814.2	448.2	165.7	129.0	123.6	120.7	119.2	117.8	116.3	116.3
30°	989.7	824.0	390.0	136.8	121.7	117.3	114.4	113.4	111.9	110.5	110.0
32.5°	1041.5	841.1	329.9	122.7	114.9	110.5	107.0	106.1	104.6	103.1	102.6
35°	1113.8	872.4	271.2	113.9	106.1	101.7	99.7	99.2	97.3	95.8	95.8
37.5°	1219.9	923.2	215.0	105.1	98.7	95.3	92.9	91.9	89.9	88.5	88.0
40°	1349.4	989.2	167.1	98.2	91.9	88.5	86.0	84.6	82.1	80.2	79.2
42.5°	1514.6	1069.8	132.0	90.9	85.5	82.1	80.2	77.2	73.8	70.9	70.4
45°	1686.6	1152.9	109.0	84.1	79.7	76.7	74.3	70.4	65.5	62.1	61.1
47.5°	1818.6	1204.7	95.3	76.7	73.3	70.9	67.9	63.0	57.2	53.3	52.3
50°	1912.9	1212.5	85.0	69.9	67.9	65.5	61.1	55.2	48.9	45.0	44.0
52.5°	1959.3	1177.3	76.7	63.5	62.1	59.6	54.2	47.9	41.1	37.1	36.2
55°	1980.3	1110.9	68.9	58.2	56.2	53.3	47.4	40.6	33.7	30.3	29.3
57.5°	1972.0	1012.6	62.1	52.8	50.3	46.9	40.6	33.2	27.9	24.4	23.9
60°	1910.4	874.8	55.2	47.4	44.5	40.6	34.2	27.4	22.5	20.0	19.5
62.5°	1777.5	703.8	48.4	41.1	39.1	35.2	29.3	22.5	18.6	17.1	16.6
65°	1505.3	497.5	41.5	34.7	33.7	29.8	24.4	18.6	16.1	15.2	14.7
67.5°	1082.0	302.5	35.2	29.8	28.8	25.4	20.5	16.1	14.7	14.2	14.2
70°	544.0	143.2	27.9	24.4	24.4	21.0	17.6	14.7	14.2	13.7	13.7
72.5°	184.7	61.1	21.0	19.1	20.0	18.1	15.2	13.7	13.7	13.7	13.7
75°	63.0	32.3	14.7	13.7	14.7	14.7	13.2	13.2	13.7	13.7	13.7
77.5°	41.1	21.5	10.3	9.3	11.2	11.2	11.2	12.2	13.2	13.2	13.2
80°	33.7	11.7	6.8	6.4	8.3	8.3	9.3	11.2	12.2	12.2	12.2
82.5°	28.8	7.3	3.9	4.4	5.9	6.4	7.8	9.3	10.8	11.2	11.2
85°	19.5	3.9	2.9	3.4	3.9	4.9	6.4	7.8	8.8	9.8	9.8
87.5°	5.4	1.5	2.0	2.4	2.4	3.4	4.9	5.9	6.8	7.3	7.3
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)