

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: P634589

Luminaire Tested: GWS-SA3C-722-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634589
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-722-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8286.7 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

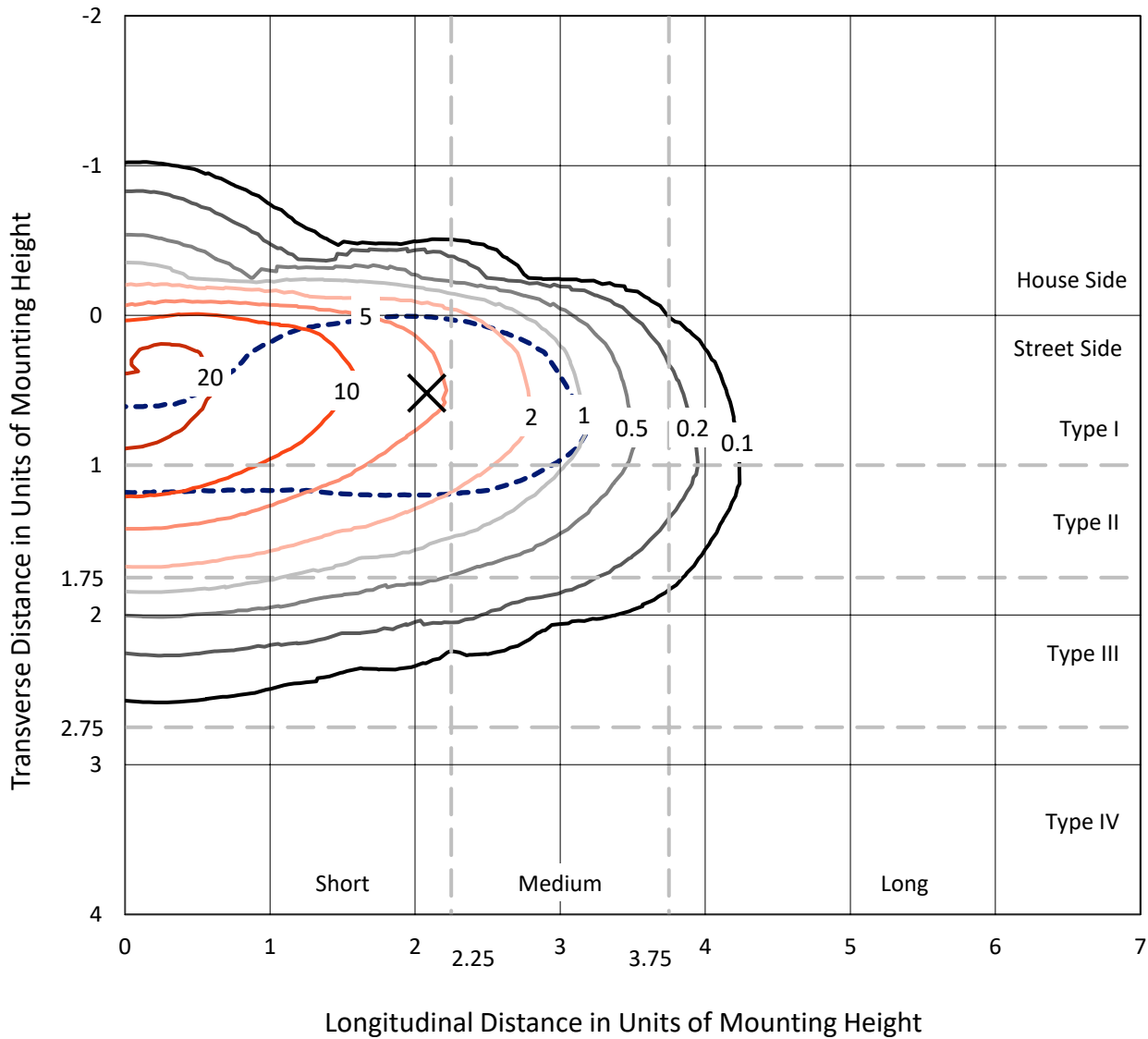
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

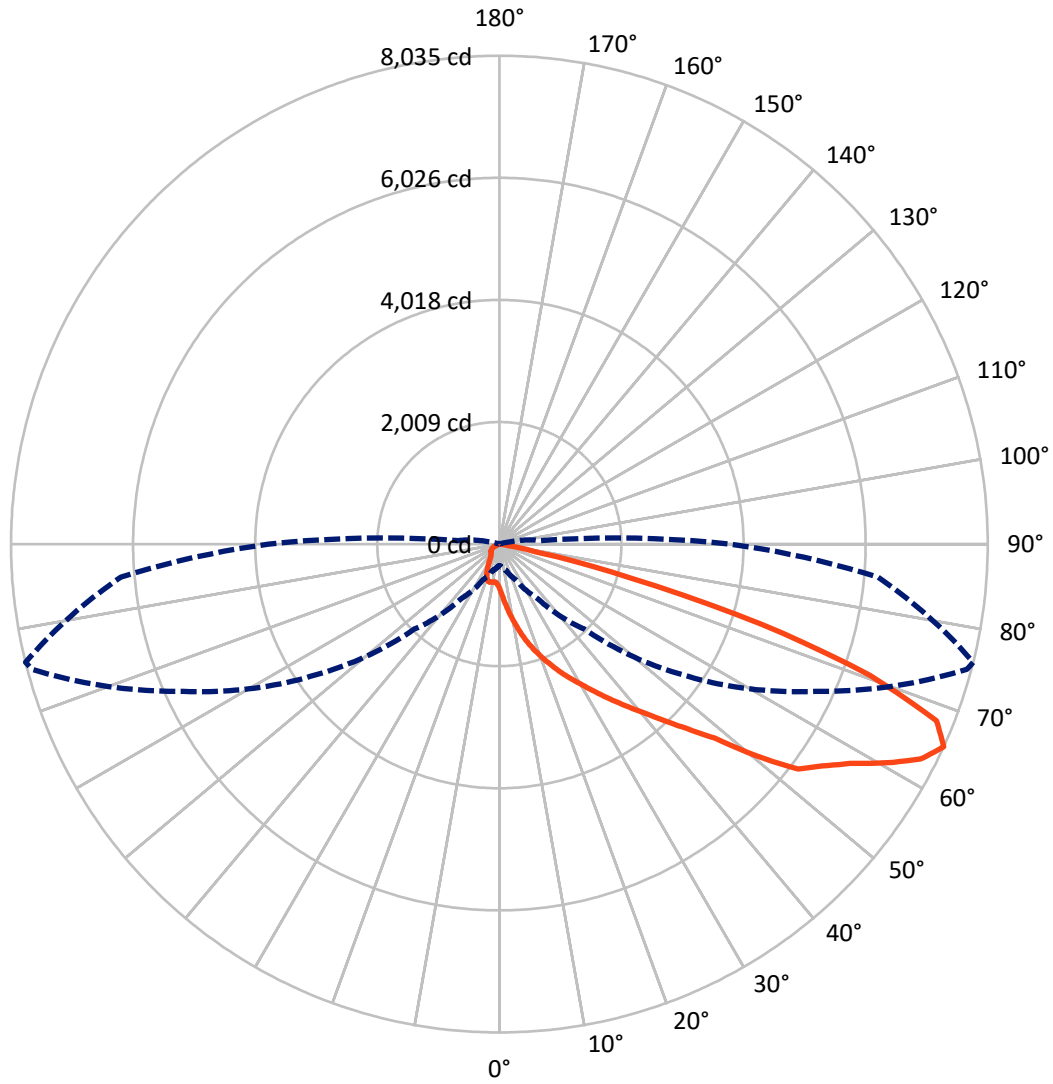
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	458.2	0.0	458.2
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	7828.5	0.0	7828.5
	% Fixture	94.5	0.0	94.5
Total	Lumens	8286.7	0.0	8286.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.3	1.1
10°-20°	338.7	4.1
20°-30°	691.0	8.3
30°-40°	1228.9	14.8
40°-50°	1816.6	21.9
50°-60°	2079.8	25.1
60°-70°	1586.8	19.1
70°-80°	444.5	5.4
80°-90°	11.2	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°	8286.7	100.0
0°-180°	8286.7	100.0

Coefficient of Utilization



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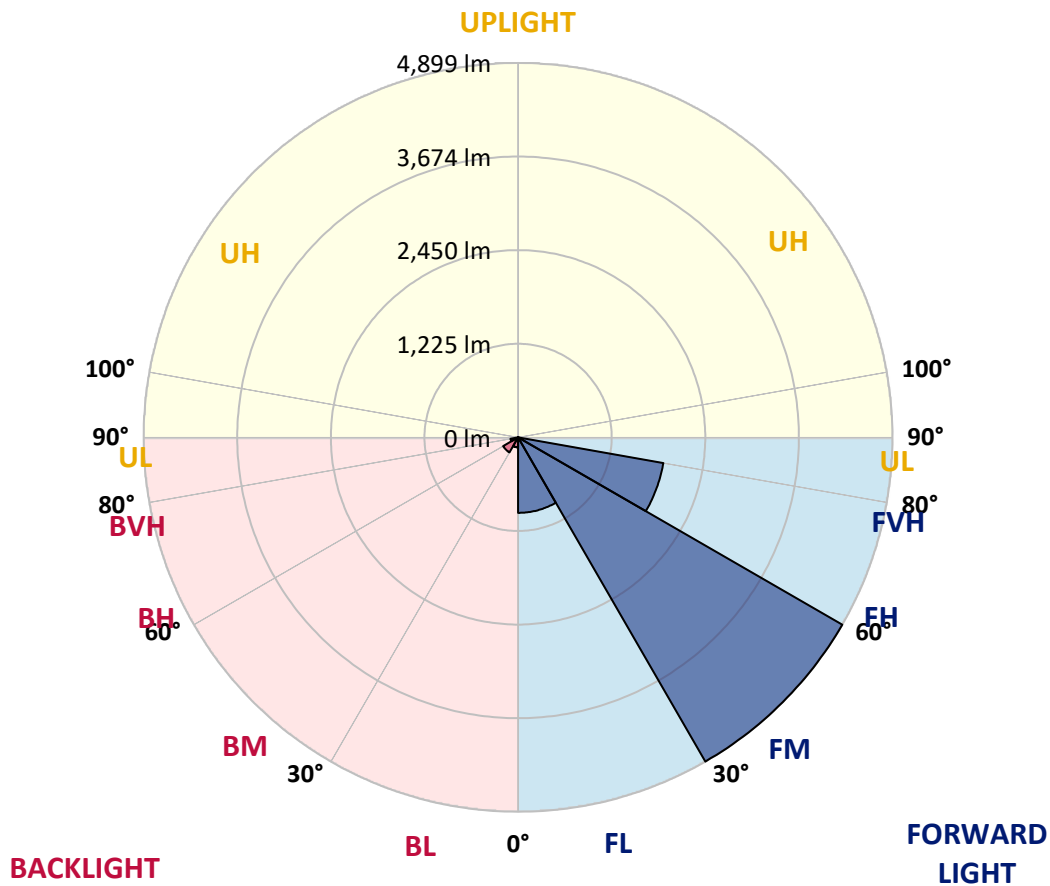
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	988.1	11.9			
FM (30°-60°)	4899.2	59.1			
FH (60°-80°)	1930.6	23.3			G2/5000
FVH (80°-90°)	10.5	0.1			G1/100
BL (0°-30°)	130.8	1.6	B1/500		
BM (30°-60°)	226.1	2.7	B1/1000		
BH (60°-80°)	100.7	1.2	B0/110		G0/110
BVH (80°-90°)	0.6	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7
2.5°	1130.7	1147.7	1134.4	1112.3	1069.6	1028.3	975.3	902.4	844.2	836.8	782.3
5°	1527.0	1525.5	1496.8	1468.1	1423.2	1352.4	1245.6	1110.1	979.7	968.7	846.4
7.5°	1762.7	1764.9	1748.7	1726.6	1682.4	1609.5	1498.3	1334.8	1144.0	1121.9	934.0
10°	1960.9	1960.2	1948.4	1938.1	1898.3	1849.7	1730.3	1550.6	1320.8	1286.1	1032.0
12.5°	2109.7	2114.8	2120.7	2131.0	2114.1	2066.2	1953.5	1757.6	1499.8	1461.5	1144.0
15°	2227.5	2229.0	2251.1	2290.9	2304.9	2279.8	2177.5	1957.9	1676.6	1643.4	1272.9
17.5°	2262.9	2265.8	2303.4	2376.3	2450.0	2464.0	2386.7	2159.8	1850.4	1815.0	1398.1
20°	2337.3	2343.9	2371.9	2436.0	2528.8	2604.0	2573.8	2363.8	2024.2	1977.8	1526.3
22.5°	2571.5	2575.2	2565.7	2573.8	2621.6	2708.6	2727.0	2561.2	2202.5	2153.1	1664.8
25°	2974.5	2976.0	2908.9	2845.6	2809.5	2825.7	2866.2	2743.2	2379.3	2330.7	1793.7
27.5°	3392.9	3398.0	3317.7	3210.2	3081.3	3007.6	2995.8	2909.7	2557.6	2503.8	1921.1
30°	3787.0	3787.0	3702.3	3571.1	3398.8	3255.1	3170.4	3077.6	2748.3	2689.4	2051.5
32.5°	4141.3	4138.3	4030.1	3887.9	3717.7	3560.1	3381.8	3252.9	2960.5	2894.9	2201.8
35°	4433.7	4426.4	4303.3	4167.1	3985.1	3868.0	3669.1	3441.5	3190.3	3124.7	2356.5
37.5°	4654.7	4646.6	4533.9	4389.5	4220.8	4145.0	3978.5	3667.6	3432.7	3373.0	2528.1
40°	4774.8	4758.6	4680.5	4572.9	4431.5	4365.2	4296.0	3948.3	3717.7	3643.3	2730.7
42.5°	4810.1	4791.0	4739.4	4689.3	4603.9	4551.6	4626.0	4265.0	4030.8	3966.7	2962.0
45°	4705.5	4694.5	4690.1	4726.2	4741.6	4756.4	4939.8	4615.7	4376.3	4327.7	3252.9
47.5°	4453.6	4450.7	4489.7	4640.0	4803.5	4958.9	5280.8	5048.1	4824.1	4771.8	3659.5
50°	3988.1	4018.3	4127.3	4391.0	4718.1	5073.9	5599.8	5647.7	5549.0	5472.4	4189.9
52.5°	3260.3	3318.5	3563.0	3963.8	4433.7	5041.4	5747.1	6128.0	6228.9	6149.3	4570.0
55°	2558.3	2612.8	2830.8	3339.1	3966.0	4794.7	5753.8	6293.7	6513.9	6440.3	4827.1
57.5°	1905.6	1955.7	2153.9	2640.1	3329.5	4309.2	5596.1	6385.8	6852.1	6804.9	5233.0
60°	1245.6	1295.0	1474.0	1899.0	2582.6	3602.1	5207.9	6366.6	7312.4	7308.0	5731.7
62.5°	691.0	730.0	859.6	1191.1	1802.5	2789.6	4598.0	6174.4	7758.1	7786.1	6142.7
65°	353.6	378.6	457.4	654.9	1090.9	1977.8	3795.8	5733.9	7964.4	8035.1	6251.0
67.5°	231.3	239.4	258.6	340.3	584.1	1244.2	2856.6	5027.4	7674.1	7756.6	5887.8
70°	187.8	194.5	205.5	226.9	301.3	660.7	1876.2	4015.3	6412.3	6468.3	4688.6
72.5°	137.7	146.6	167.9	181.9	217.3	362.4	976.0	2635.6	4403.5	4502.2	2946.5
75°	101.7	106.8	124.5	143.6	177.5	229.1	373.5	1385.6	2274.0	2216.5	1237.5
77.5°	61.1	64.8	79.6	92.1	126.7	142.9	130.4	512.0	691.7	650.4	299.1
80°	30.2	33.9	52.3	69.2	81.0	57.5	54.5	142.9	154.0	154.0	75.1
82.5°	10.3	13.3	28.0	45.7	39.8	22.1	25.8	36.8	41.3	43.5	22.1
85°	0.0	0.0	6.6	13.3	5.9	2.9	6.6	8.1	10.3	11.0	7.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.2	2.9	2.9
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°	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7	733.7
2.5°	752.8	718.2	665.9	618.8	582.7	548.8	523.0	502.4	498.7	486.9	488.4
5°	786.7	724.1	627.6	553.2	500.9	465.5	436.1	414.0	404.4	394.8	387.5
7.5°	839.0	748.4	612.9	522.3	461.1	406.6	360.9	324.1	306.4	295.4	288.0
10°	903.1	782.3	613.6	503.8	413.2	330.0	267.4	226.9	207.7	201.8	201.1
12.5°	979.7	825.0	619.5	473.6	344.0	245.3	198.2	179.7	173.8	168.7	168.7
15°	1060.7	872.9	619.5	418.4	262.2	191.5	171.6	159.8	152.5	149.5	148.1
17.5°	1146.2	917.8	604.8	342.5	201.1	168.7	152.5	141.4	135.5	131.1	129.6
20°	1237.5	960.6	567.9	262.2	172.4	151.0	135.5	124.5	118.6	114.2	114.2
22.5°	1330.3	1000.3	508.3	201.8	152.5	134.1	119.3	109.0	103.1	98.7	98.7
25°	1416.5	1026.9	431.7	166.5	137.7	119.3	106.1	95.8	89.1	86.2	84.7
27.5°	1496.8	1043.8	346.9	146.6	123.8	106.8	92.8	83.2	78.1	75.9	74.4
30°	1580.1	1048.2	265.2	133.3	112.0	94.3	81.0	73.7	69.2	66.3	66.3
32.5°	1661.1	1043.1	202.6	122.3	101.7	83.2	72.2	65.6	61.9	59.7	58.9
35°	1743.6	1019.5	164.3	112.7	91.3	72.9	64.1	58.9	56.7	53.8	53.8
37.5°	1833.5	987.8	142.9	103.1	81.0	65.6	57.5	53.8	50.8	48.6	47.9
40°	1945.4	951.0	131.1	95.0	71.5	58.9	51.6	47.9	45.7	43.5	42.7
42.5°	2078.0	914.9	125.2	86.2	64.1	52.3	46.4	42.0	39.8	36.8	36.1
45°	2265.8	906.8	118.6	76.6	57.5	47.1	40.5	36.1	33.1	30.9	30.2
47.5°	2567.9	929.6	107.5	66.3	50.8	41.3	34.6	30.9	27.3	25.0	23.6
50°	2867.7	923.7	96.5	57.5	44.9	35.4	29.5	25.8	22.1	19.9	19.2
52.5°	3031.2	895.7	86.2	50.8	39.0	30.2	25.0	20.6	18.4	16.2	15.5
55°	3179.3	884.7	75.9	44.2	33.1	26.5	20.6	16.9	15.5	13.3	12.5
57.5°	3469.5	910.5	67.0	38.3	28.7	22.8	17.7	14.0	12.5	10.3	9.6
60°	3773.0	913.4	57.5	33.1	25.0	19.2	14.0	11.0	9.6	7.4	6.6
62.5°	3931.3	839.0	47.1	28.0	20.6	16.2	11.8	8.8	7.4	4.4	4.4
65°	3798.8	678.4	39.8	22.8	16.2	12.5	8.8	6.6	4.4	2.2	0.7
67.5°	3361.9	482.5	33.1	18.4	11.8	8.8	6.6	4.4	0.7	0.0	0.0
70°	2461.8	275.5	25.8	13.3	8.8	5.9	4.4	2.2	0.0	0.0	0.0
72.5°	1513.0	147.3	19.2	8.8	6.6	4.4	3.7	1.5	0.0	0.0	0.0
75°	573.8	70.7	11.8	5.9	5.2	3.7	2.2	0.7	0.0	0.0	0.0
77.5°	155.4	34.6	6.6	4.4	3.7	2.2	1.5	0.0	0.0	0.0	0.0
80°	40.5	16.2	4.4	2.9	2.2	1.5	0.0	0.0	0.0	0.0	0.0
82.5°	14.0	7.4	2.2	2.2	1.5	0.7	0.0	0.0	0.0	0.0	0.0
85°	5.9	2.9	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.2	0.7	0.7	0.7	0.7	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)