

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: P634314

Luminaire Tested: GWS-SA3B-740-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634314
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-SA3B-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8388.6 lumens
Efficiency: N/A
Efficacy: 122.8 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

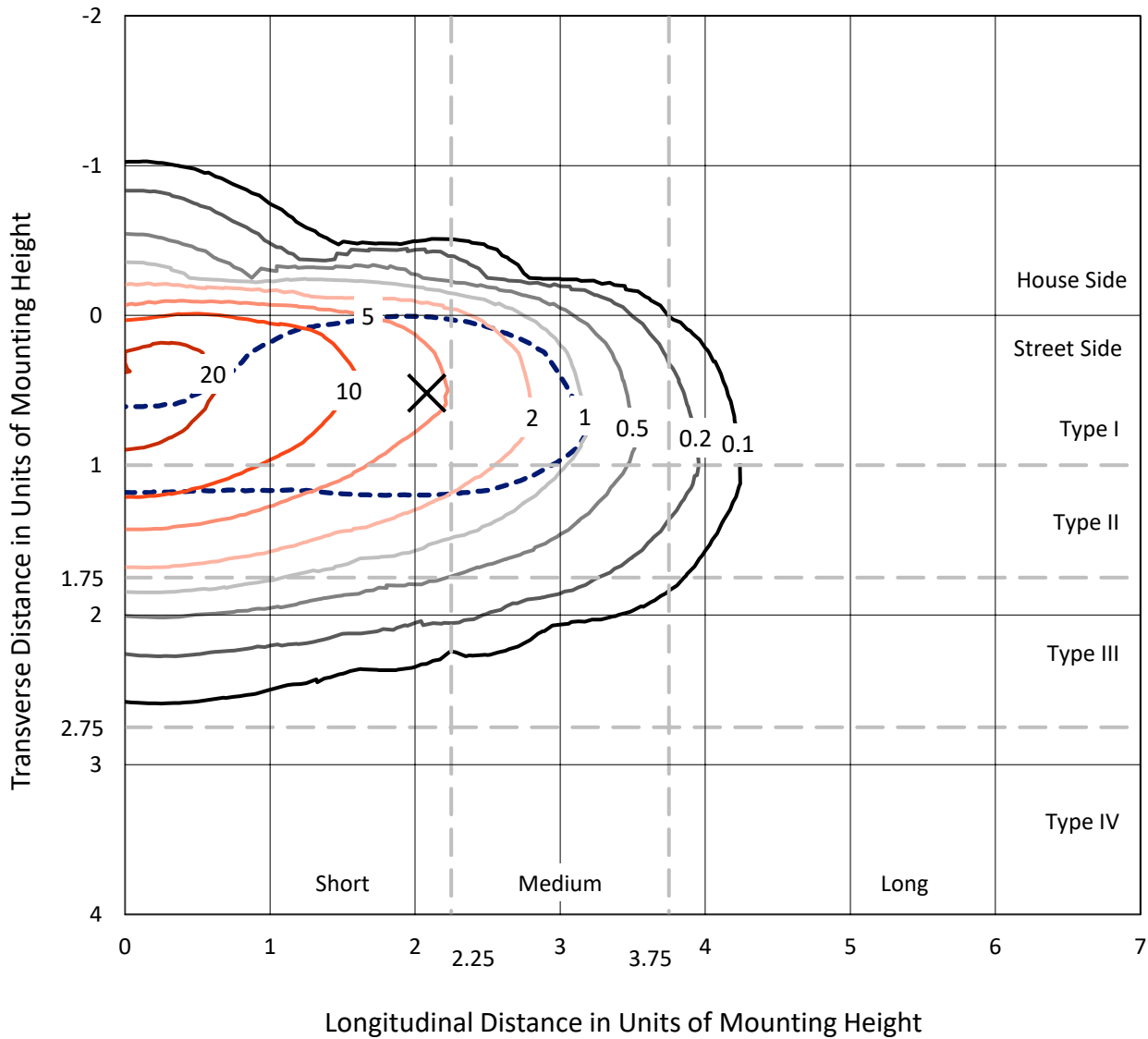
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

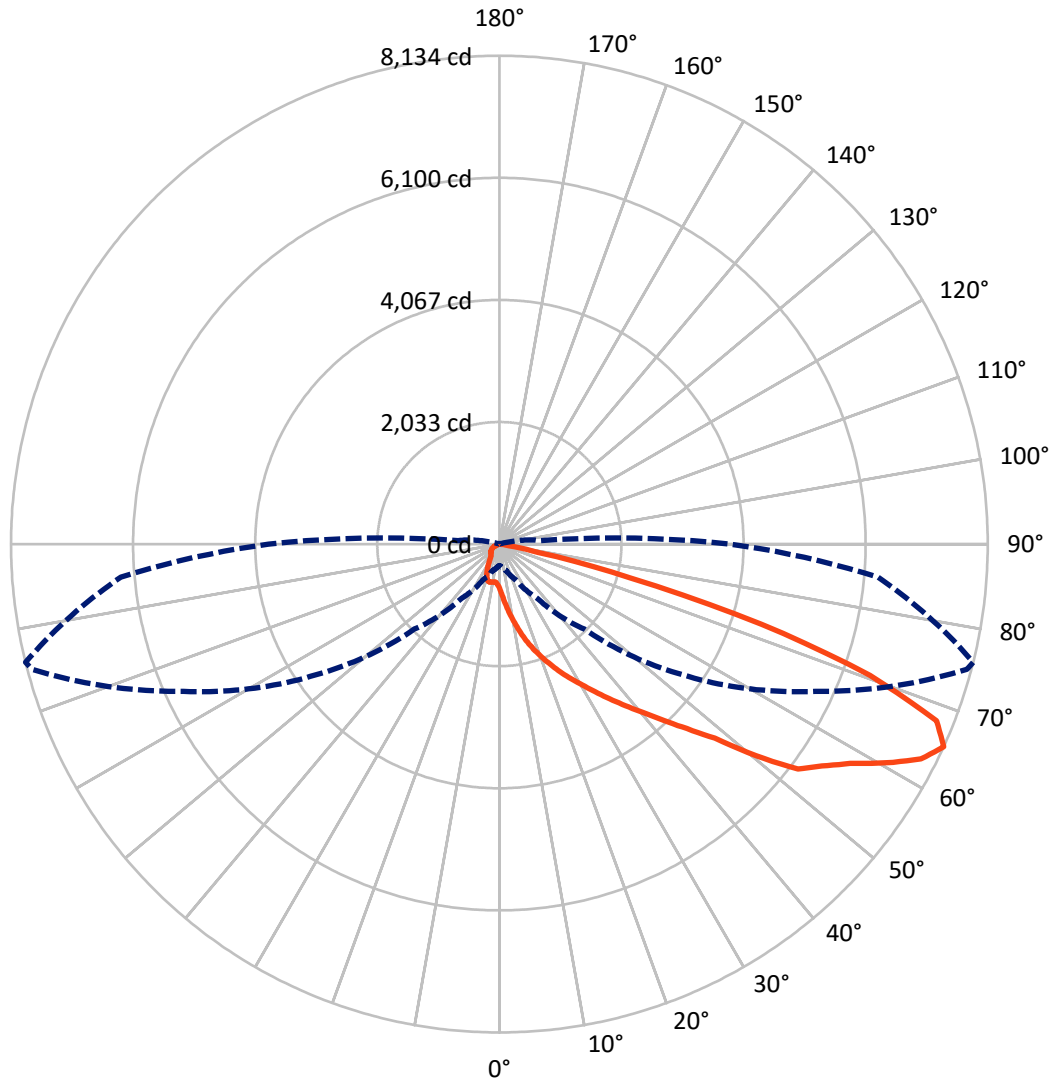
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.1 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	463.8	0.0	463.8
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	7924.8	0.0	7924.8
	% Fixture	94.5	0.0	94.5
Total	Lumens	8388.6	0.0	8388.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.4	1.1
10°-20°	342.8	4.1
20°-30°	699.4	8.3
30°-40°	1244.0	14.8
40°-50°	1838.9	21.9
50°-60°	2105.4	25.1
60°-70°	1606.3	19.1
70°-80°	450.0	5.4
80°-90°	11.3	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°	8388.6	100.0
0°-180°	8388.6	100.0

Coefficient of Utilization



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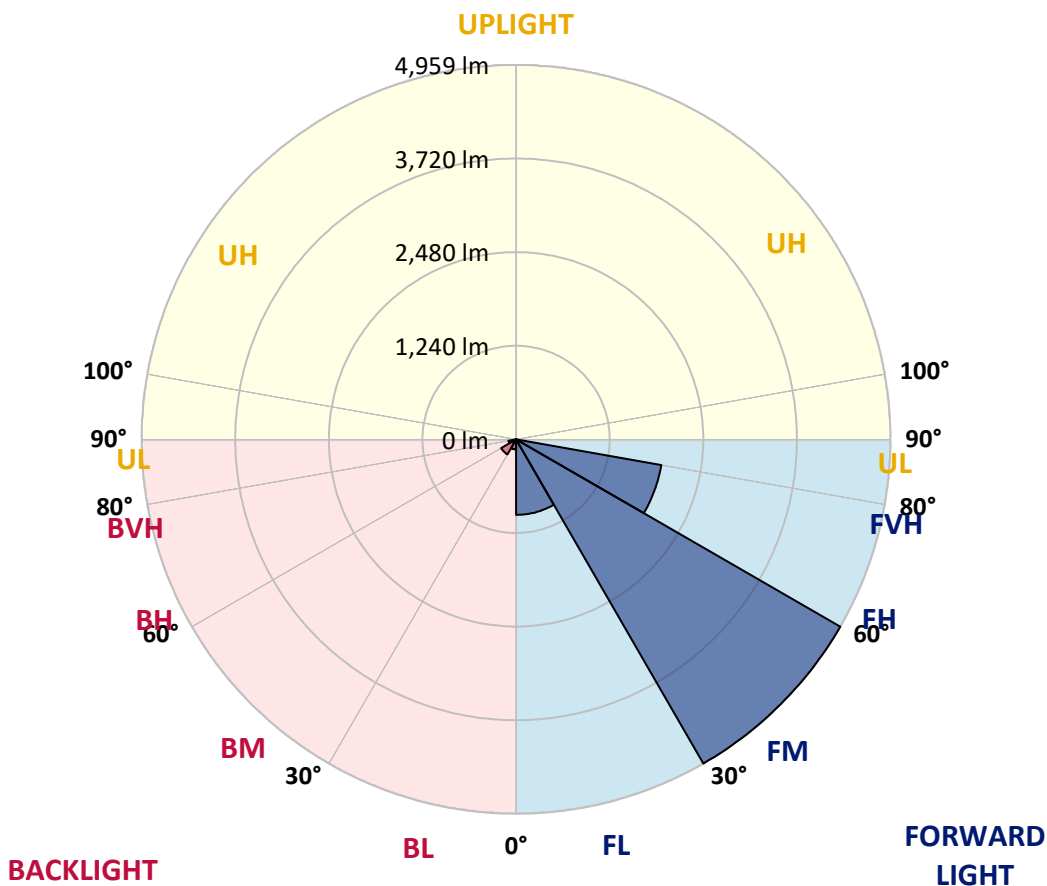
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1000.3	11.9			
FM (30°-60°)	4959.5	59.1			
FH (60°-80°)	1954.3	23.3			G2/5000
FVH (80°-90°)	10.7	0.1			G1/100
BL (0°-30°)	132.4	1.6	B1/500		
BM (30°-60°)	228.9	2.7	B1/1000		
BH (60°-80°)	102.0	1.2	B0/110		G0/110
BVH (80°-90°)	0.7	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°	742.7	742.7	742.7	742.7	742.7	742.7	742.7	742.7	742.7	742.7	742.7
2.5°	1144.6	1161.8	1148.3	1126.0	1082.7	1041.0	987.3	913.5	854.5	847.1	791.9
5°	1545.8	1544.3	1515.2	1486.1	1440.7	1369.1	1260.9	1123.7	991.8	980.6	856.8
7.5°	1784.4	1786.6	1770.2	1747.9	1703.1	1629.3	1516.7	1351.2	1158.0	1135.7	945.5
10°	1985.0	1984.3	1972.3	1961.9	1921.6	1872.4	1751.6	1569.7	1337.0	1302.0	1044.7
12.5°	2135.6	2140.8	2146.8	2157.3	2140.1	2091.6	1977.5	1779.2	1518.2	1479.4	1158.0
15°	2254.9	2256.4	2278.8	2319.1	2333.2	2307.9	2204.2	1982.0	1697.2	1663.6	1288.5
17.5°	2290.7	2293.7	2331.7	2405.6	2480.1	2494.3	2416.0	2186.3	1873.1	1837.4	1415.3
20°	2366.0	2372.8	2401.1	2466.0	2559.9	2636.0	2605.4	2392.9	2049.1	2002.2	1545.0
22.5°	2603.2	2606.9	2597.2	2605.4	2653.9	2741.9	2760.5	2592.7	2229.6	2179.6	1685.2
25°	3011.1	3012.5	2944.7	2880.6	2844.0	2860.4	2901.4	2776.9	2408.5	2359.3	1815.7
27.5°	3434.6	3439.8	3358.5	3249.7	3119.2	3044.6	3032.7	2945.4	2589.0	2534.6	1944.7
30°	3833.5	3833.5	3747.8	3615.1	3440.6	3295.2	3209.4	3115.5	2782.1	2722.5	2076.7
32.5°	4192.2	4189.2	4079.6	3935.7	3763.4	3603.9	3423.4	3292.9	2996.9	2930.5	2228.8
35°	4488.2	4480.8	4356.3	4218.3	4034.1	3915.6	3714.2	3483.8	3229.5	3163.2	2385.4
37.5°	4712.0	4703.7	4589.7	4443.5	4272.7	4195.9	4027.4	3712.7	3474.9	3414.5	2559.2
40°	4833.5	4817.1	4738.0	4629.2	4486.0	4418.9	4348.8	3996.8	3763.4	3688.1	2764.2
42.5°	4869.3	4849.9	4797.7	4747.0	4660.5	4607.6	4682.9	4317.5	4080.4	4015.5	2998.4
45°	4763.4	4752.2	4747.7	4784.3	4799.9	4814.9	5000.5	4672.4	4430.1	4380.9	3292.9
47.5°	4508.4	4505.4	4544.9	4697.0	4862.6	5019.9	5345.8	5110.1	4883.5	4830.5	3704.5
50°	4037.1	4067.7	4178.0	4445.0	4776.1	5136.2	5668.7	5717.1	5617.2	5539.7	4241.4
52.5°	3300.4	3359.3	3606.9	4012.5	4488.2	5103.4	5817.8	6203.3	6305.5	6224.9	4626.2
55°	2589.7	2644.9	2865.6	3380.2	4014.7	4853.6	5824.5	6371.1	6594.0	6519.5	4886.4
57.5°	1929.1	1979.8	2180.4	2672.5	3370.5	4362.2	5664.9	6464.3	6936.3	6888.6	5297.3
60°	1260.9	1310.9	1492.1	1922.4	2614.4	3646.4	5272.0	6444.9	7402.4	7397.9	5802.1
62.5°	699.4	739.0	870.2	1205.8	1824.7	2823.9	4654.5	6250.3	7853.5	7881.8	6218.2
65°	357.9	383.3	463.1	662.9	1104.4	2002.2	3842.5	5804.4	8062.3	8133.9	6327.8
67.5°	234.1	242.3	261.7	344.5	591.3	1259.5	2891.7	5089.3	7768.5	7852.0	5960.2
70°	190.1	196.9	208.0	229.7	305.0	668.9	1899.2	4064.7	6491.1	6547.8	4746.3
72.5°	139.4	148.4	170.0	184.2	220.0	366.9	988.0	2668.0	4457.7	4557.6	2982.7
75°	102.9	108.1	126.0	145.4	179.7	231.9	378.1	1402.6	2301.9	2243.8	1252.7
77.5°	61.9	65.6	80.5	93.2	128.3	144.7	132.0	518.2	700.2	658.4	302.7
80°	30.6	34.3	52.9	70.1	82.0	58.2	55.2	144.7	155.8	155.8	76.1
82.5°	10.4	13.4	28.3	46.2	40.3	22.4	26.1	37.3	41.8	44.0	22.4
85°	0.0	0.0	6.7	13.4	6.0	3.0	6.7	8.2	10.4	11.2	7.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.2	3.0	3.0
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°	742.7	742.7	742.7	742.7	742.7	742.7	742.7	742.7	742.7	742.7	742.7
2.5°	762.1	727.0	674.1	626.4	589.8	555.5	529.4	508.6	504.8	492.9	494.4
5°	796.4	733.0	635.3	560.0	507.1	471.3	441.4	419.1	409.4	399.7	392.2
7.5°	849.3	757.6	620.4	528.7	466.8	411.6	365.4	328.1	310.2	299.0	291.6
10°	914.2	791.9	621.2	510.0	418.3	334.1	270.7	229.7	210.3	204.3	203.6
12.5°	991.8	835.2	627.1	479.5	348.2	248.3	200.6	181.9	176.0	170.8	170.8
15°	1073.8	883.6	627.1	423.5	265.5	193.9	173.7	161.8	154.4	151.4	149.9
17.5°	1160.3	929.1	612.2	346.7	203.6	170.8	154.4	143.2	137.2	132.7	131.2
20°	1252.7	972.4	574.9	265.5	174.5	152.9	137.2	126.0	120.1	115.6	115.6
22.5°	1346.7	1012.6	514.5	204.3	154.4	135.7	120.8	110.4	104.4	99.9	99.9
25°	1433.9	1039.5	437.0	168.5	139.4	120.8	107.4	96.9	90.2	87.2	85.8
27.5°	1515.2	1056.6	351.2	148.4	125.3	108.1	94.0	84.3	79.0	76.8	75.3
30°	1599.5	1061.1	268.4	135.0	113.3	95.4	82.0	74.6	70.1	67.1	67.1
32.5°	1681.5	1055.9	205.1	123.8	102.9	84.3	73.1	66.4	62.6	60.4	59.7
35°	1765.0	1032.0	166.3	114.1	92.5	73.8	64.9	59.7	57.4	54.4	54.4
37.5°	1856.0	1000.0	144.7	104.4	82.0	66.4	58.2	54.4	51.5	49.2	48.5
40°	1969.3	962.7	132.7	96.2	72.3	59.7	52.2	48.5	46.2	44.0	43.2
42.5°	2103.6	926.1	126.8	87.2	64.9	52.9	47.0	42.5	40.3	37.3	36.5
45°	2293.7	917.9	120.1	77.6	58.2	47.7	41.0	36.5	33.6	31.3	30.6
47.5°	2599.4	941.0	108.9	67.1	51.5	41.8	35.0	31.3	27.6	25.4	23.9
50°	2902.9	935.1	97.7	58.2	45.5	35.8	29.8	26.1	22.4	20.1	19.4
52.5°	3068.5	906.7	87.2	51.5	39.5	30.6	25.4	20.9	18.6	16.4	15.7
55°	3218.4	895.6	76.8	44.7	33.6	26.8	20.9	17.2	15.7	13.4	12.7
57.5°	3512.2	921.7	67.9	38.8	29.1	23.1	17.9	14.2	12.7	10.4	9.7
60°	3819.4	924.6	58.2	33.6	25.4	19.4	14.2	11.2	9.7	7.5	6.7
62.5°	3979.7	849.3	47.7	28.3	20.9	16.4	11.9	8.9	7.5	4.5	4.5
65°	3845.5	686.8	40.3	23.1	16.4	12.7	8.9	6.7	4.5	2.2	0.7
67.5°	3403.3	488.4	33.6	18.6	11.9	8.9	6.7	4.5	0.7	0.0	0.0
70°	2492.1	278.9	26.1	13.4	8.9	6.0	4.5	2.2	0.0	0.0	0.0
72.5°	1531.6	149.1	19.4	8.9	6.7	4.5	3.7	1.5	0.0	0.0	0.0
75°	580.9	71.6	11.9	6.0	5.2	3.7	2.2	0.7	0.0	0.0	0.0
77.5°	157.3	35.0	6.7	4.5	3.7	2.2	1.5	0.0	0.0	0.0	0.0
80°	41.0	16.4	4.5	3.0	2.2	1.5	0.0	0.0	0.0	0.0	0.0
82.5°	14.2	7.5	2.2	2.2	1.5	0.7	0.0	0.0	0.0	0.0	0.0
85°	6.0	3.0	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)