

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: P641519

Luminaire Tested: GWS-SA6B-722-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641519
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-SA6B-722-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12577.5 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

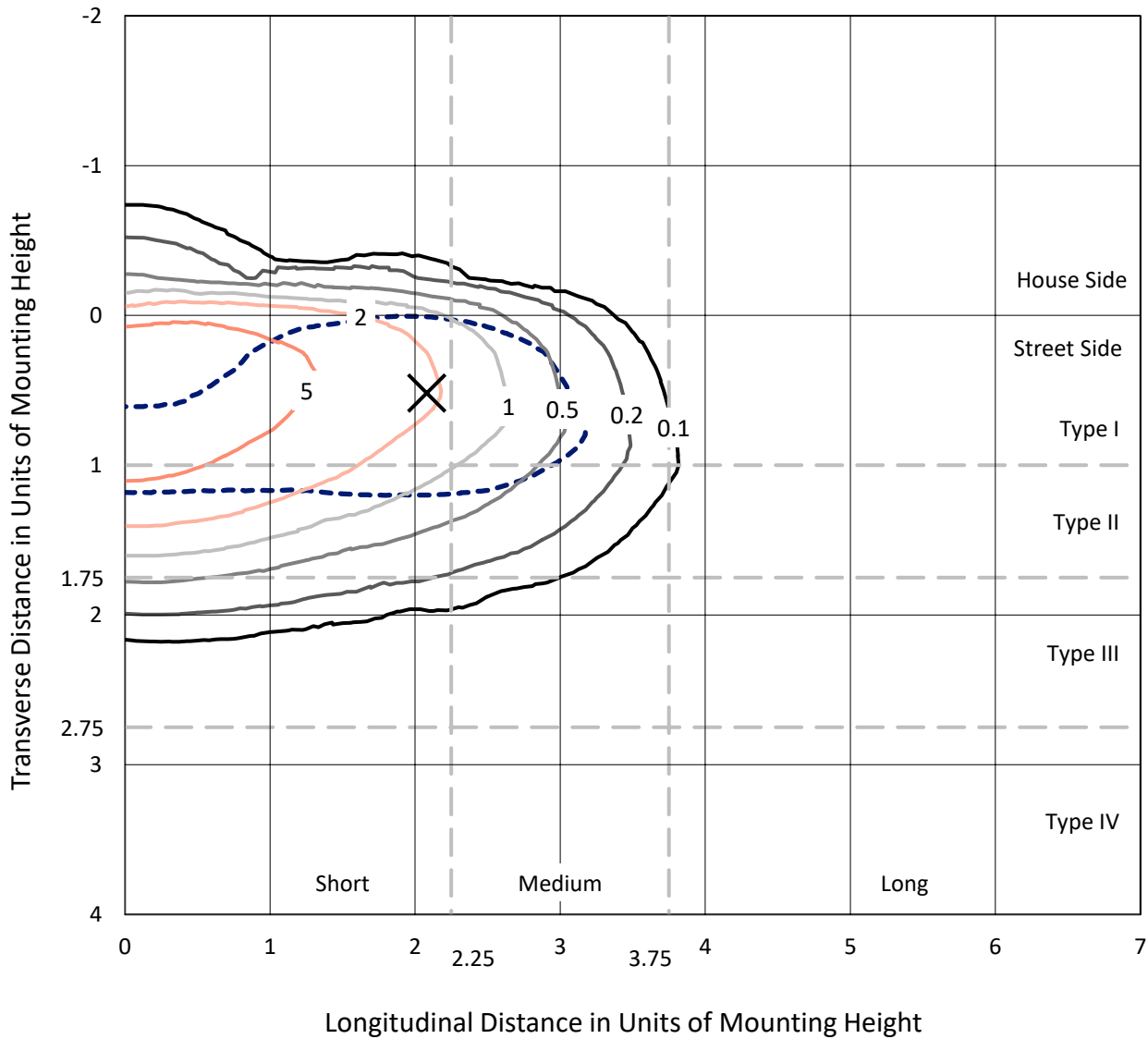
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

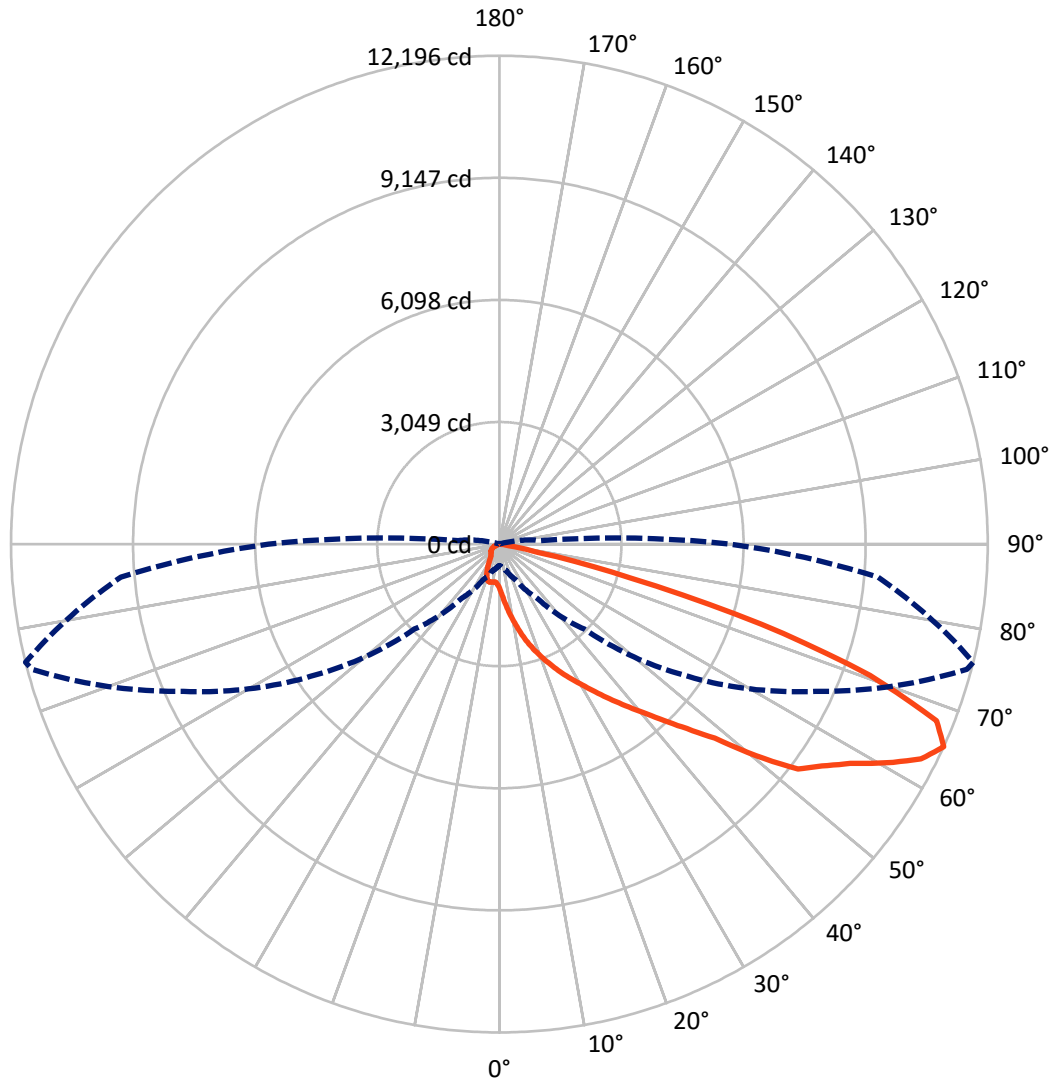
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.4 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	695.5	0.0	695.5
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	11882.0	0.0	11882.0
	% Fixture	94.5	0.0	94.5
Total	Lumens	12577.5	0.0	12577.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.5	1.1
10°-20°	514.0	4.1
20°-30°	1048.7	8.3
30°-40°	1865.2	14.8
40°-50°	2757.2	21.9
50°-60°	3156.8	25.1
60°-70°	2408.5	19.1
70°-80°	674.7	5.4
80°-90°	17.0	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°	12577.5	100.0
0°-180°	12577.5	100.0

Coefficient of Utilization



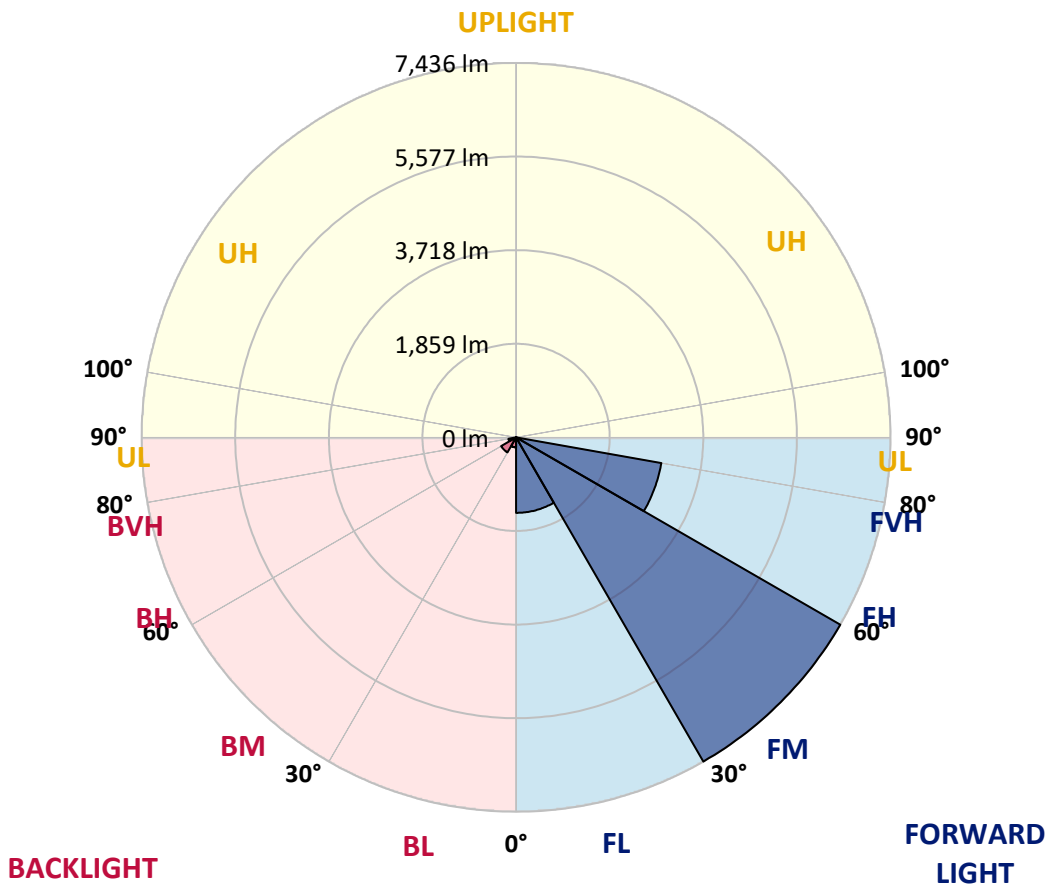
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1499.8	11.9			
FM (30°-60°)	7436.0	59.1			
FH (60°-80°)	2930.2	23.3			G2/5000
FVH (80°-90°)	16.0	0.1			G1/100
BL (0°-30°)	198.5	1.6	B1/500		
BM (30°-60°)	343.1	2.7	B1/1000		
BH (60°-80°)	152.9	1.2	B1/500		G1/500
BVH (80°-90°)	1.0	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°	1113.6	1113.6	1113.6	1113.6	1113.6	1113.6	1113.6	1113.6	1113.6	1113.6	1113.6
2.5°	1716.2	1741.9	1721.8	1688.2	1623.4	1560.8	1480.3	1369.6	1281.3	1270.1	1187.4
5°	2317.7	2315.5	2271.9	2228.3	2160.1	2052.7	1890.6	1684.9	1487.0	1470.2	1284.6
7.5°	2675.5	2678.8	2654.2	2620.7	2553.6	2442.9	2274.1	2025.9	1736.3	1702.8	1417.7
10°	2976.2	2975.1	2957.2	2941.6	2881.2	2807.4	2626.3	2353.5	2004.6	1952.1	1566.4
12.5°	3202.1	3209.9	3218.8	3234.5	3208.8	3136.1	2965.0	2667.6	2276.3	2218.2	1736.3
15°	3381.0	3383.2	3416.7	3477.1	3498.3	3460.3	3304.9	2971.7	2544.7	2494.3	1932.0
17.5°	3434.6	3439.1	3496.1	3606.8	3718.6	3739.8	3622.4	3278.1	2808.5	2754.8	2122.0
20°	3547.5	3557.6	3600.1	3697.4	3838.2	3952.3	3906.4	3587.8	3072.4	3001.9	2316.6
22.5°	3903.1	3908.7	3894.1	3906.4	3979.1	4111.0	4139.0	3887.4	3342.9	3268.0	2526.8
25°	4514.6	4516.9	4415.1	4319.0	4264.2	4288.8	4350.3	4163.6	3611.3	3537.5	2722.4
27.5°	5149.7	5157.5	5035.7	4872.4	4676.8	4565.0	4547.1	4416.3	3881.8	3800.2	2915.8
30°	5747.8	5747.8	5619.3	5420.3	5158.6	4940.6	4812.0	4671.2	4171.4	4082.0	3113.7
32.5°	6285.6	6281.1	6116.8	5901.0	5642.7	5403.5	5132.9	4937.3	4493.4	4393.9	3341.8
35°	6729.5	6718.3	6531.6	6324.8	6048.6	5870.8	5569.0	5223.5	4842.2	4742.7	3576.6
37.5°	7064.9	7052.6	6881.5	6662.4	6406.4	6291.2	6038.5	5566.7	5210.1	5119.5	3837.1
40°	7247.1	7222.5	7104.0	6940.8	6726.1	6625.5	6520.4	5992.7	5642.7	5529.8	4144.6
42.5°	7300.8	7271.7	7193.5	7117.4	6987.7	6908.4	7021.3	6473.4	6117.9	6020.6	4495.6
45°	7142.0	7125.3	7118.6	7173.3	7196.8	7219.2	7497.6	7005.6	6642.3	6568.5	4937.3
47.5°	6759.7	6755.2	6814.5	7042.5	7290.7	7526.6	8015.2	7661.9	7322.0	7242.7	5554.4
50°	6053.1	6098.9	6264.4	6664.6	7161.0	7701.1	8499.3	8572.0	8422.2	8305.9	6359.4
52.5°	4948.4	5036.8	5408.0	6016.2	6729.5	7651.9	8722.9	9301.0	9454.1	9333.4	6936.3
55°	3883.0	3965.7	4296.6	5068.1	6019.5	7277.3	8733.0	9552.5	9886.8	9775.0	7326.5
57.5°	2892.4	2968.4	3269.1	4007.1	5053.5	6540.5	8493.7	9692.3	10400.0	10328.5	7942.6
60°	1890.6	1965.5	2237.2	2882.3	3919.8	5467.2	7904.5	9663.2	11098.8	11092.1	8699.5
62.5°	1048.7	1108.0	1304.8	1807.9	2735.8	4234.0	6978.8	9371.4	11775.2	11817.7	9323.3
65°	536.7	574.7	694.3	993.9	1655.8	3001.9	5761.3	8702.8	12088.2	12195.6	9487.7
67.5°	351.1	363.4	392.4	516.5	886.6	1888.4	4335.8	7630.6	11647.7	11773.0	8936.5
70°	285.1	295.2	311.9	344.4	457.3	1002.9	2847.6	6094.4	9732.5	9817.5	7116.3
72.5°	209.1	222.5	254.9	276.2	329.8	550.1	1481.4	4000.3	6683.6	6833.5	4472.2
75°	154.3	162.1	188.9	218.0	269.4	347.7	566.8	2103.0	3451.4	3364.2	1878.3
77.5°	92.8	98.4	120.7	139.8	192.3	216.9	197.9	777.0	1049.8	987.2	453.9
80°	45.8	51.4	79.4	105.1	123.0	87.2	82.7	216.9	233.7	233.7	114.0
82.5°	15.7	20.1	42.5	69.3	60.4	33.5	39.1	55.9	62.6	66.0	33.5
85°	0.0	0.0	10.1	20.1	8.9	4.5	10.1	12.3	15.7	16.8	11.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	3.4	4.5	4.5
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°	1113.6	1113.6	1113.6	1113.6	1113.6	1113.6	1113.6	1113.6	1113.6	1113.6	1113.6
2.5°	1142.6	1090.1	1010.7	939.2	884.4	832.9	793.8	762.5	756.9	739.0	741.3
5°	1194.1	1099.0	952.6	839.6	760.3	706.6	661.9	628.3	613.8	599.3	588.1
7.5°	1273.4	1135.9	930.2	792.7	699.9	617.2	547.8	491.9	465.1	448.3	437.2
10°	1370.7	1187.4	931.3	764.7	627.2	500.9	405.8	344.4	315.3	306.3	305.2
12.5°	1487.0	1252.2	940.3	718.9	522.1	372.3	300.8	272.8	263.9	256.0	256.0
15°	1610.0	1324.9	940.3	635.0	398.0	290.7	260.5	242.6	231.4	227.0	224.7
17.5°	1739.7	1393.1	917.9	519.9	305.2	256.0	231.4	214.7	205.7	199.0	196.8
20°	1878.3	1457.9	862.0	398.0	261.6	229.2	205.7	188.9	180.0	173.3	173.3
22.5°	2019.2	1518.3	771.4	306.3	231.4	203.5	181.1	165.5	156.5	149.8	149.8
25°	2150.0	1558.5	655.2	252.7	209.1	181.1	161.0	145.3	135.3	130.8	128.6
27.5°	2271.9	1584.3	526.6	222.5	187.8	162.1	140.9	126.3	118.5	115.2	112.9
30°	2398.2	1591.0	402.5	202.4	169.9	143.1	123.0	111.8	105.1	100.6	100.6
32.5°	2521.2	1583.1	307.5	185.6	154.3	126.3	109.6	99.5	93.9	90.6	89.4
35°	2646.4	1547.4	249.3	171.1	138.6	110.7	97.3	89.4	86.1	81.6	81.6
37.5°	2782.8	1499.3	216.9	156.5	123.0	99.5	87.2	81.6	77.1	73.8	72.7
40°	2952.7	1443.4	199.0	144.2	108.4	89.4	78.3	72.7	69.3	66.0	64.8
42.5°	3154.0	1388.6	190.1	130.8	97.3	79.4	70.4	63.7	60.4	55.9	54.8
45°	3439.1	1376.3	180.0	116.3	87.2	71.6	61.5	54.8	50.3	47.0	45.8
47.5°	3897.5	1411.0	163.2	100.6	77.1	62.6	52.5	47.0	41.4	38.0	35.8
50°	4352.5	1402.0	146.5	87.2	68.2	53.7	44.7	39.1	33.5	30.2	29.1
52.5°	4600.7	1359.5	130.8	77.1	59.3	45.8	38.0	31.3	28.0	24.6	23.5
55°	4825.5	1342.8	115.2	67.1	50.3	40.2	31.3	25.7	23.5	20.1	19.0
57.5°	5266.0	1381.9	101.7	58.1	43.6	34.7	26.8	21.2	19.0	15.7	14.5
60°	5726.6	1386.4	87.2	50.3	38.0	29.1	21.2	16.8	14.5	11.2	10.1
62.5°	5967.0	1273.4	71.6	42.5	31.3	24.6	17.9	13.4	11.2	6.7	6.7
65°	5765.7	1029.7	60.4	34.7	24.6	19.0	13.4	10.1	6.7	3.4	1.1
67.5°	5102.7	732.3	50.3	28.0	17.9	13.4	10.1	6.7	1.1	0.0	0.0
70°	3736.5	418.1	39.1	20.1	13.4	8.9	6.7	3.4	0.0	0.0	0.0
72.5°	2296.5	223.6	29.1	13.4	10.1	6.7	5.6	2.2	0.0	0.0	0.0
75°	871.0	107.3	17.9	8.9	7.8	5.6	3.4	1.1	0.0	0.0	0.0
77.5°	235.9	52.5	10.1	6.7	5.6	3.4	2.2	0.0	0.0	0.0	0.0
80°	61.5	24.6	6.7	4.5	3.4	2.2	0.0	0.0	0.0	0.0	0.0
82.5°	21.2	11.2	3.4	3.4	2.2	1.1	0.0	0.0	0.0	0.0	0.0
85°	8.9	4.5	2.2	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.4	1.1	1.1	1.1	1.1	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)