

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: P634887

Luminaire Tested: GWS-SA3C-760-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-760-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10599.5 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G0

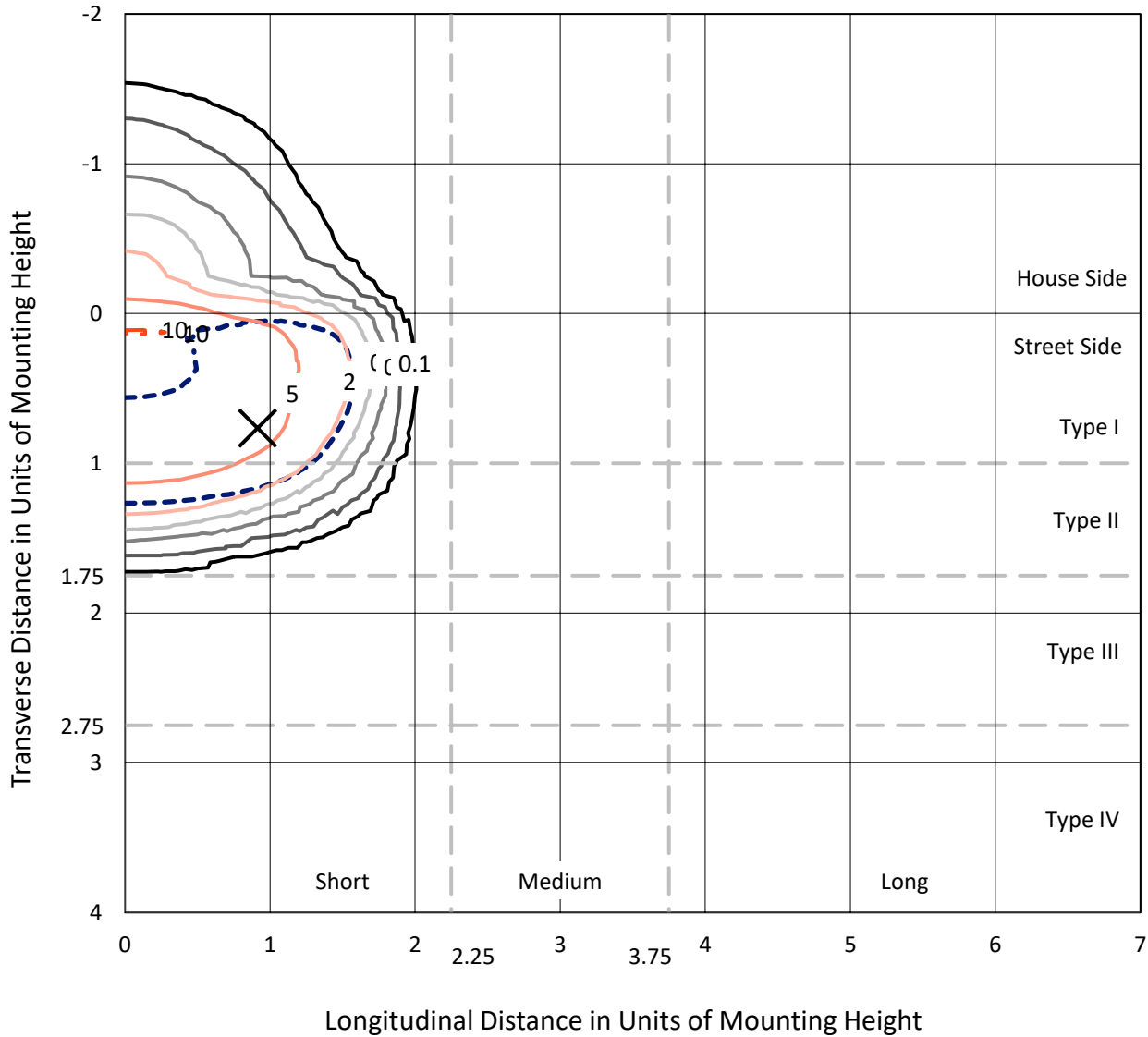
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

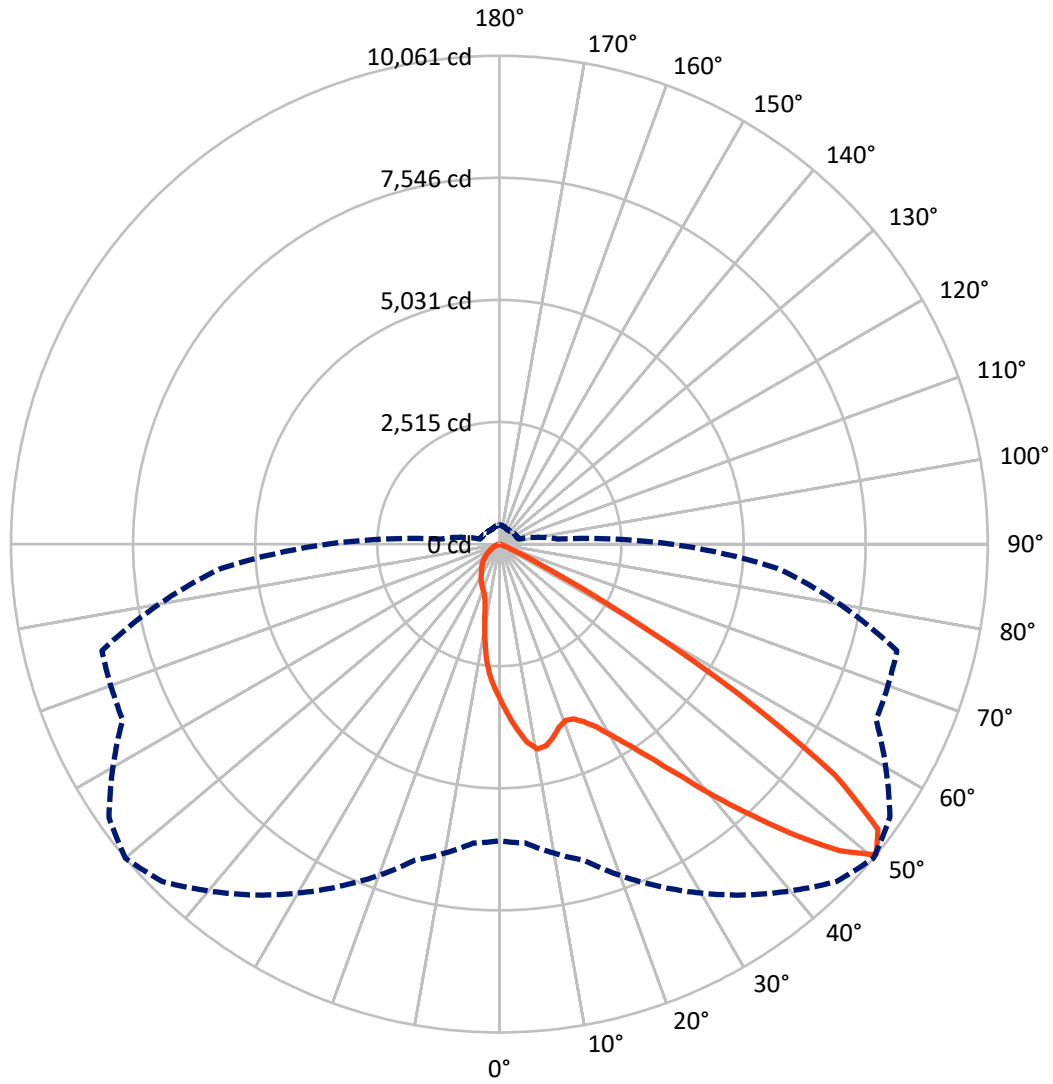
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1361.9	0.0	1361.9
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	9237.6	0.0	9237.6
	% Fixture	87.2	0.0	87.2
Total	Lumens	10599.5	0.0	10599.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.9	2.8
10°-20°	768.6	7.3
20°-30°	1268.4	12.0
30°-40°	2093.2	19.7
40°-50°	3311.9	31.2
50°-60°	2507.5	23.7
60°-70°	313.8	3.0
70°-80°	35.5	0.3
80°-90°	2.7	0.0
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°	10599.5	100.0
0°-180°	10599.5	100.0

Coefficient of Utilization



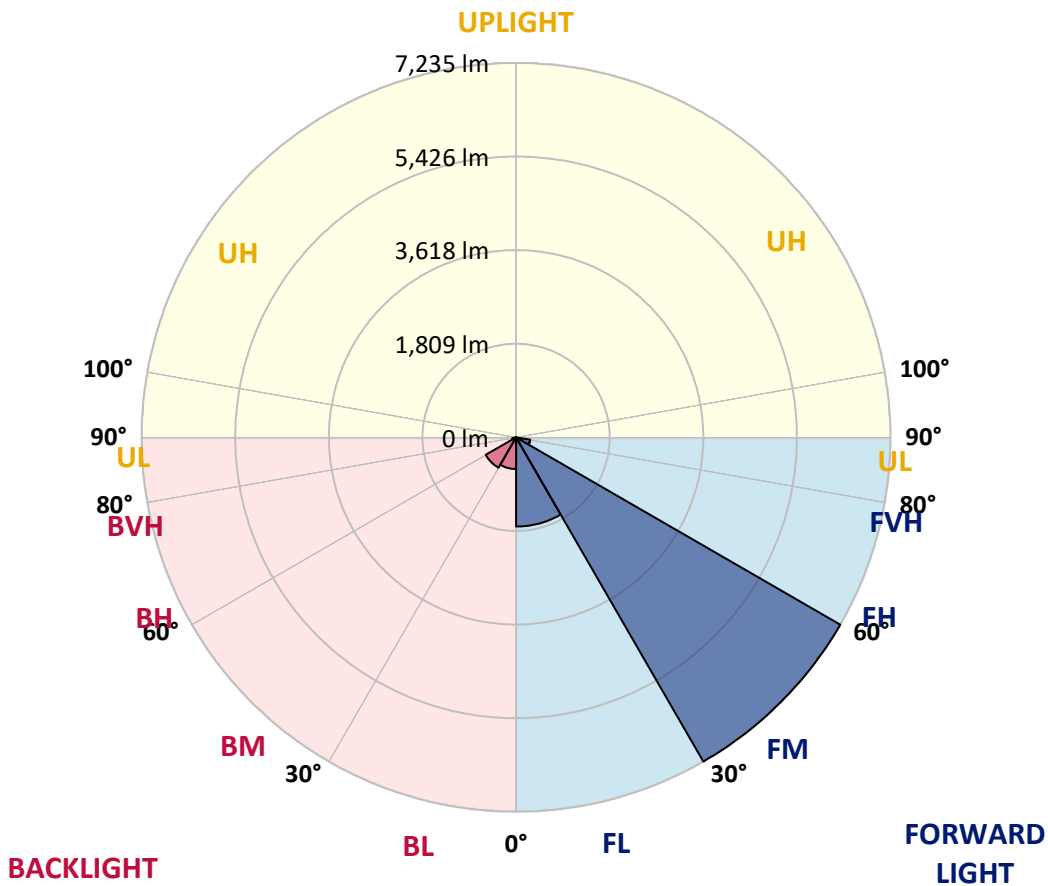
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1723.6	16.3			
FM (30°-60°)	7235.3	68.3			
FH (60°-80°)	277.5	2.6			G0/660
FVH (80°-90°)	1.3	0.0			G0/10
BL (0°-30°)	611.3	5.8	B2/1000		
BM (30°-60°)	677.3	6.4	B1/1000		
BH (60°-80°)	71.9	0.7	B0/110		G0/110
BVH (80°-90°)	1.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	3211.2	3211.2	3211.2	3211.2	3211.2	3211.2	3211.2	3211.2	3211.2	3211.2	3211.2
2.5°	3659.2	3688.4	3680.4	3642.0	3600.7	3571.4	3526.0	3511.9	3409.0	3337.3	3261.7
5°	4101.0	4110.1	4100.0	4053.6	3981.0	3911.4	3836.7	3793.3	3620.8	3465.5	3307.1
7.5°	4207.0	4195.9	4215.1	4238.3	4228.2	4197.9	4119.2	4071.8	3866.0	3612.8	3372.6
10°	3876.1	3850.8	3922.5	4042.5	4168.6	4310.9	4290.7	4294.8	4105.1	3798.4	3458.4
12.5°	3437.2	3427.1	3480.6	3619.8	3867.0	4189.8	4267.5	4397.7	4324.0	3999.2	3556.3
15°	3244.5	3249.6	3281.8	3369.6	3547.2	3948.7	4135.4	4370.4	4519.7	4193.9	3664.2
17.5°	3273.8	3291.9	3290.9	3320.2	3428.1	3750.0	3967.9	4284.7	4671.1	4417.8	3788.3
20°	3472.5	3490.7	3463.4	3441.2	3477.6	3699.5	3880.1	4197.9	4773.0	4643.8	3919.5
22.5°	3770.1	3791.3	3726.8	3663.2	3640.0	3782.2	3913.4	4162.6	4850.6	4850.6	4036.5
25°	4130.3	4159.6	4059.7	3946.7	3882.1	3956.8	4055.6	4242.3	4930.3	5036.3	4116.2
27.5°	4532.8	4533.9	4448.1	4321.0	4199.9	4209.0	4268.5	4421.9	5018.1	5236.0	4178.7
30°	4985.8	4988.9	4874.9	4722.5	4570.2	4528.8	4579.3	4695.3	5200.7	5487.2	4265.5
32.5°	5571.0	5585.1	5421.7	5197.7	5000.0	4922.3	4951.5	5073.6	5491.3	5802.0	4395.6
35°	6361.9	6377.1	6135.9	5840.3	5525.6	5408.5	5437.8	5560.9	5912.0	6248.9	4603.5
37.5°	7142.8	7163.0	6918.8	6643.4	6211.6	6017.9	6048.2	6165.2	6543.5	6866.4	4936.4
40°	7682.5	7709.8	7634.1	7448.5	7048.0	6793.7	6830.0	6872.4	7238.6	7604.8	5368.2
42.5°	7967.0	8005.4	8037.7	8132.5	7921.6	7708.8	7647.2	7650.2	7945.8	8357.5	5817.1
45°	7984.2	8021.5	8187.0	8553.2	8713.6	8669.2	8557.2	8481.6	8485.6	8858.9	6097.6
47.5°	7429.3	7498.9	7808.6	8525.9	9129.2	9497.5	9441.0	9261.4	8712.6	8892.2	6067.3
50°	6114.7	6183.4	6746.3	7778.4	8826.6	9828.4	10061.4	9820.3	8564.3	8477.5	5755.6
52.5°	4441.0	4448.1	4813.3	6018.9	7599.8	9218.0	9766.9	9743.6	8338.3	7975.1	5329.9
55°	2109.5	2084.3	2494.9	3396.9	5256.2	7455.5	8380.7	8643.0	8017.5	7611.9	5000.0
57.5°	614.4	626.5	809.1	1325.7	2629.1	4764.9	5739.5	6227.7	6580.8	6258.0	3878.1
60°	275.4	276.4	307.7	403.5	875.7	2216.5	2967.1	3571.4	3934.6	3646.0	1923.9
62.5°	199.8	200.8	212.9	228.0	297.6	750.6	1112.8	1483.0	1510.3	988.7	487.3
65°	166.5	166.5	168.5	168.5	178.6	268.4	338.0	435.8	367.2	272.4	190.7
67.5°	134.2	135.2	137.2	137.2	134.2	134.2	145.3	159.4	170.5	210.9	175.5
70°	104.9	103.9	103.9	104.9	101.9	86.8	93.8	106.9	117.0	164.4	152.3
72.5°	81.7	82.7	81.7	77.7	70.6	51.5	55.5	69.6	74.7	102.9	102.9
75°	61.5	62.5	58.5	44.4	29.3	16.1	21.2	34.3	43.4	50.4	37.3
77.5°	8.1	8.1	6.1	6.1	5.0	6.1	6.1	8.1	12.1	12.1	9.1
80°	1.0	1.0	1.0	2.0	3.0	4.0	4.0	4.0	4.0	5.0	5.0
82.5°	1.0	1.0	1.0	1.0	3.0	3.0	4.0	4.0	4.0	4.0	4.0
85°	0.0	0.0	0.0	1.0	2.0	3.0	3.0	4.0	4.0	4.0	4.0
87.5°	0.0	0.0	0.0	1.0	2.0	3.0	3.0	3.0	4.0	4.0	4.0
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°	3211.2	3211.2	3211.2	3211.2	3211.2	3211.2	3211.2	3211.2	3211.2	3211.2	3211.2
2.5°	3216.3	3157.8	3087.1	3038.7	2970.1	2924.7	2860.1	2816.8	2779.4	2750.2	2766.3
5°	3217.3	3124.5	2980.2	2857.1	2722.9	2599.9	2467.7	2363.8	2270.0	2227.6	2250.8
7.5°	3237.5	3104.3	2883.3	2664.4	2407.2	2152.9	1914.8	1721.1	1625.3	1579.9	1594.0
10°	3276.8	3095.2	2775.4	2412.2	1994.5	1647.5	1416.5	1285.3	1231.8	1203.6	1208.6
12.5°	3313.1	3089.2	2635.2	2080.3	1573.8	1278.2	1158.2	1140.0	1151.1	1152.1	1151.1
15°	3362.6	3078.1	2461.6	1739.3	1259.1	1104.7	1107.7	1134.0	1160.2	1168.3	1166.3
17.5°	3415.0	3060.9	2237.7	1412.4	1068.4	1054.3	1089.6	1124.9	1151.1	1155.2	1156.2
20°	3469.5	3025.6	1982.4	1153.1	979.6	1015.9	1055.3	1081.5	1100.7	1106.7	1108.7
22.5°	3494.7	2950.9	1687.8	967.5	920.1	968.5	997.8	1032.1	1038.1	1015.9	1020.0
25°	3481.6	2824.8	1400.3	842.4	860.6	909.0	952.4	935.2	910.0	893.9	898.9
27.5°	3440.2	2657.4	1118.8	750.6	797.0	858.5	863.6	844.4	840.4	827.3	831.3
30°	3395.8	2464.7	899.9	677.0	732.4	797.0	781.9	788.9	789.9	774.8	779.9
32.5°	3368.6	2262.9	716.3	627.5	691.1	703.2	733.4	747.6	748.6	713.3	719.3
35°	3377.7	2064.1	606.3	587.2	652.7	649.7	692.1	700.2	641.6	593.2	598.3
37.5°	3451.3	1880.5	543.8	555.9	586.2	609.4	641.6	588.2	575.1	552.9	555.9
40°	3588.5	1724.2	506.5	536.7	540.8	578.1	528.6	535.7	536.7	522.6	525.6
42.5°	3749.0	1594.0	484.3	525.6	515.5	521.6	472.2	486.3	501.4	495.4	496.4
45°	3829.7	1466.9	465.1	487.3	490.3	432.8	421.7	436.8	456.0	459.0	460.0
47.5°	3758.0	1345.8	444.9	431.8	452.0	394.5	381.4	386.4	408.6	420.7	422.7
50°	3539.1	1206.6	414.6	382.4	371.3	354.1	342.0	343.0	368.2	389.4	393.5
52.5°	3231.4	1061.3	365.2	323.8	298.6	311.7	314.8	308.7	331.9	353.1	357.1
55°	2932.8	879.7	289.5	263.3	240.1	268.4	276.4	268.4	275.4	289.5	290.6
57.5°	2065.2	497.4	222.0	217.9	198.7	230.0	243.1	231.0	218.9	228.0	230.0
60°	957.4	260.3	170.5	170.5	165.5	197.7	219.9	202.8	179.6	183.6	186.6
62.5°	299.6	164.4	125.1	118.0	135.2	168.5	186.6	169.5	142.3	142.3	146.3
65°	169.5	141.2	98.9	90.8	110.0	135.2	146.3	128.1	103.9	101.9	101.9
67.5°	157.4	134.2	87.8	73.6	77.7	86.8	90.8	78.7	71.6	70.6	71.6
70°	130.1	112.0	70.6	50.4	47.4	46.4	48.4	45.4	43.4	44.4	47.4
72.5°	80.7	67.6	44.4	30.3	26.2	25.2	25.2	25.2	24.2	24.2	24.2
75°	29.3	25.2	20.2	15.1	13.1	12.1	12.1	13.1	12.1	11.1	10.1
77.5°	9.1	8.1	8.1	8.1	7.1	6.1	5.0	5.0	4.0	3.0	3.0
80°	5.0	5.0	5.0	5.0	4.0	4.0	3.0	2.0	1.0	1.0	0.0
82.5°	5.0	5.0	5.0	4.0	4.0	4.0	3.0	2.0	1.0	0.0	0.0
85°	4.0	4.0	4.0	4.0	4.0	4.0	3.0	2.0	1.0	0.0	0.0
87.5°	4.0	4.0	4.0	4.0	4.0	4.0	3.0	2.0	1.0	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)