

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: P636410

Luminaire Tested: GWS-SA3F-760-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636410
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-760-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY 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: 15471.6 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

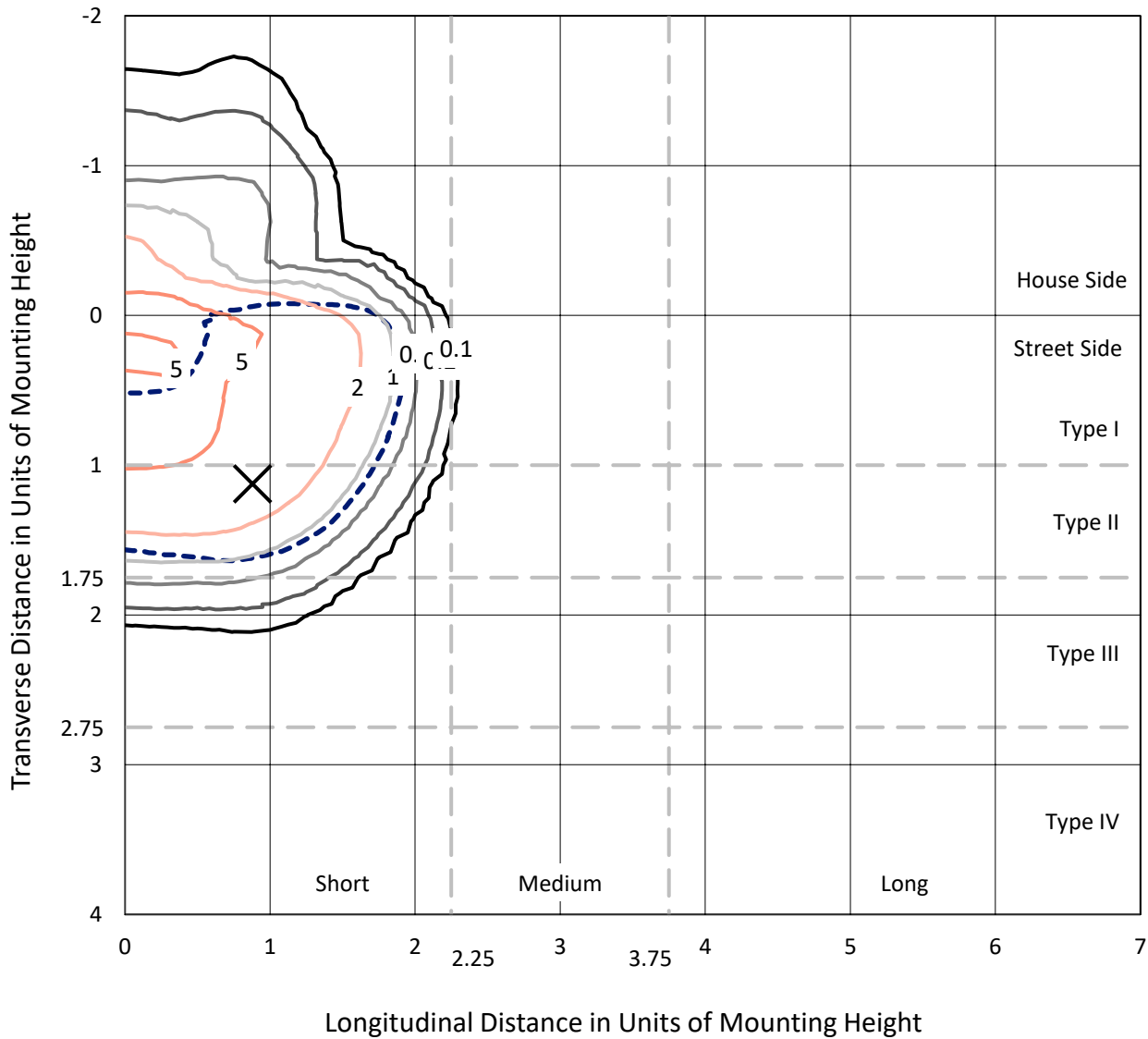
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

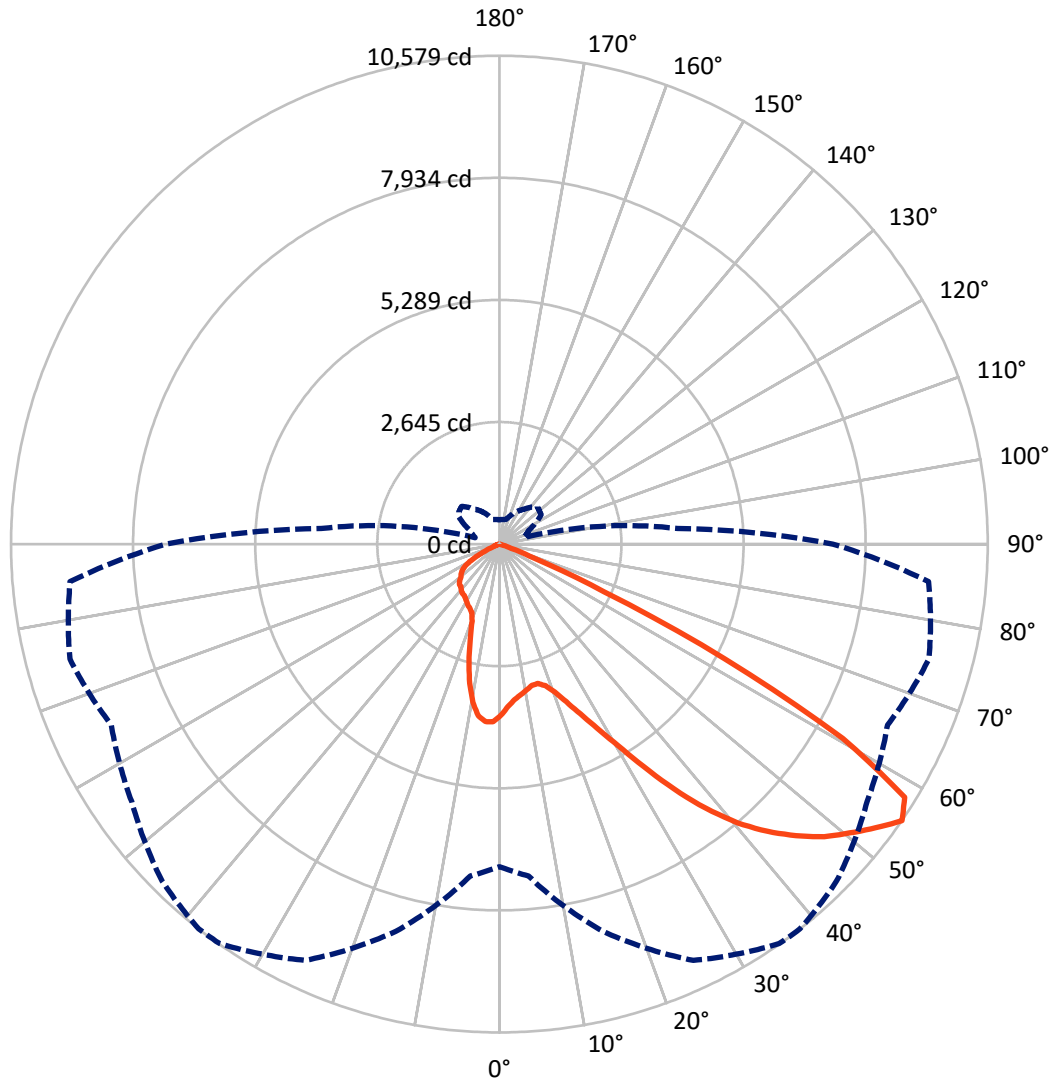
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3014.3	0.0	3014.3
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	12457.2	0.0	12457.2
	% Fixture	80.5	0.0	80.5
Total	Lumens	15471.6	0.0	15471.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.1	2.2
10°-20°	923.6	6.0
20°-30°	1584.9	10.2
30°-40°	2628.6	17.0
40°-50°	3864.2	25.0
50°-60°	4515.4	29.2
60°-70°	1530.6	9.9
70°-80°	78.2	0.5
80°-90°	3.1	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°	15471.6	100.0
0°-180°	15471.6	100.0

Coefficient of Utilization

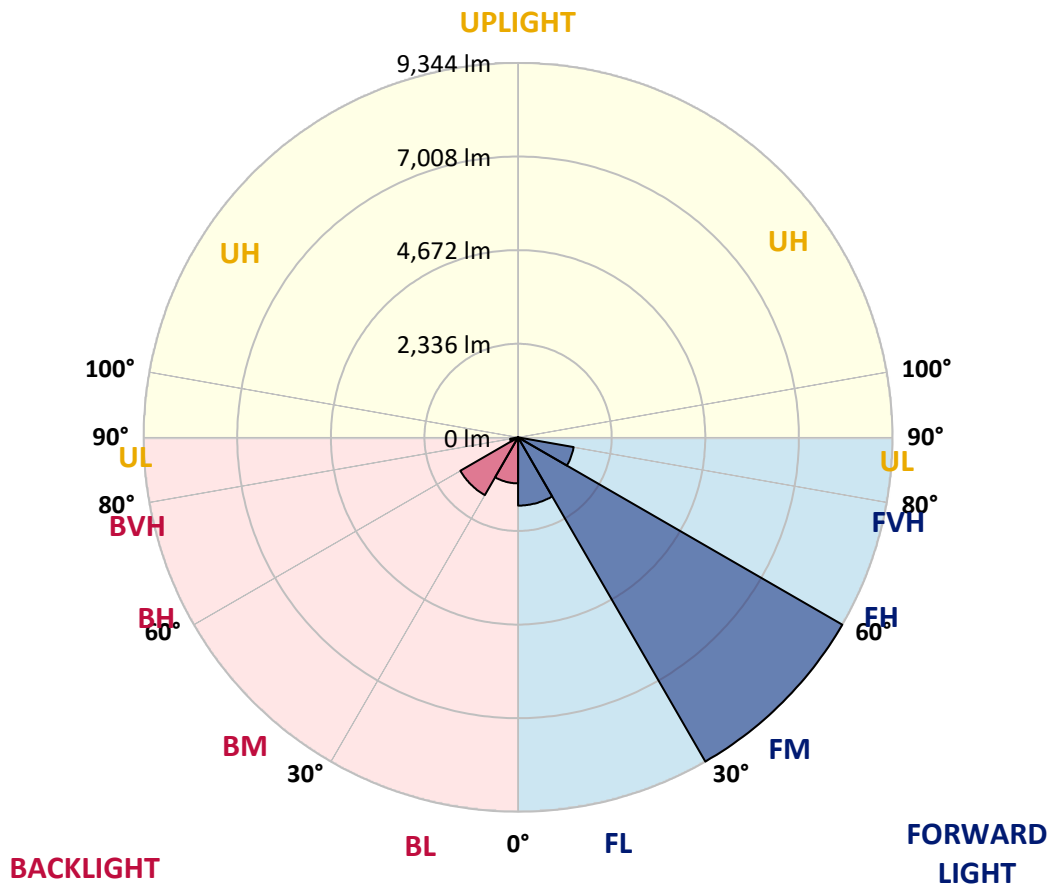


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1703.0	11.0			
FM (30°-60°)	9344.4	60.4			
FH (60°-80°)	1408.2	9.1			G1/1800
FVH (80°-90°)	1.6	0.0			G0/10
BL (0°-30°)	1148.4	7.4	B3/2500		
BM (30°-60°)	1663.8	10.8	B2/2500		
BH (60°-80°)	200.7	1.3	B1/500		G1/500
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: B3-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	3710.2	3710.2	3710.2	3710.2	3710.2	3710.2	3710.2	3710.2	3710.2	3710.2	3710.2
2.5°	3455.6	3448.5	3462.6	3490.9	3517.4	3526.3	3552.8	3590.0	3612.9	3667.8	3712.0
5°	3299.9	3296.4	3310.5	3335.3	3370.7	3383.0	3423.7	3485.6	3547.5	3643.0	3736.7
7.5°	3158.5	3156.7	3177.9	3232.7	3284.0	3299.9	3349.4	3425.5	3508.6	3655.4	3793.3
10°	2972.8	2974.5	3015.2	3093.0	3186.7	3218.6	3298.2	3407.8	3515.7	3704.9	3895.9
12.5°	2912.6	2916.2	2937.4	2997.5	3100.1	3140.8	3252.2	3418.4	3556.4	3775.6	4028.5
15°	3059.4	3059.4	3041.7	3048.8	3094.8	3131.9	3248.6	3453.8	3625.3	3860.5	4159.4
17.5°	3344.1	3333.5	3289.3	3229.2	3213.3	3225.7	3319.4	3529.8	3722.6	3959.6	4307.9
20°	3729.7	3733.2	3646.5	3521.0	3420.2	3418.4	3475.0	3664.2	3862.3	4078.0	4468.9
22.5°	4196.5	4182.4	4067.4	3895.9	3720.8	3706.7	3729.7	3869.4	4063.9	4265.5	4666.9
25°	4737.7	4730.6	4567.9	4338.0	4106.3	4072.7	4072.7	4210.7	4352.2	4532.5	4903.9
27.5°	5303.6	5303.6	5146.2	4880.9	4573.2	4513.1	4504.2	4666.9	4760.7	4796.0	5103.7
30°	5885.4	5878.3	5722.7	5450.4	5121.4	5059.5	5034.8	5155.0	5222.2	5116.1	5353.1
32.5°	6476.1	6488.4	6331.1	6078.2	5784.6	5743.9	5667.9	5667.9	5722.7	5574.2	5745.7
35°	7110.9	7107.4	6983.6	6812.1	6560.9	6515.0	6389.4	6193.1	6276.2	6210.8	6288.6
37.5°	7671.5	7698.1	7637.9	7510.6	7307.2	7261.3	7054.3	6698.9	6762.6	6865.1	6934.1
40°	8241.0	8262.2	8322.3	8281.7	8025.2	7940.3	7572.5	6988.9	7059.7	7411.6	7609.6
42.5°	8799.8	8810.4	8932.4	8999.6	8656.6	8508.0	7965.1	7165.8	7240.0	7839.5	8186.2
45°	9155.3	9178.3	9379.9	9585.0	9213.6	9010.3	8306.4	7392.1	7424.0	8136.6	8612.4
47.5°	9141.1	9194.2	9572.6	9945.8	9692.9	9473.6	8716.7	7754.7	7701.6	8416.1	8893.5
50°	8856.4	8920.1	9463.0	10055.4	10037.7	9834.4	9173.0	8279.9	8113.6	8663.6	8928.9
52.5°	8265.7	8449.7	9270.2	10069.6	10315.4	10212.8	9737.1	8987.3	8670.7	9019.1	8985.5
55°	6988.9	7215.3	8684.9	9949.3	10566.5	10578.9	10329.5	9724.7	9275.5	9631.0	9333.9
57.5°	5305.4	5485.7	6684.7	8856.4	10150.9	10354.3	10559.4	10113.8	9648.7	10048.3	9415.2
60°	3197.4	3406.0	4185.9	6499.1	8198.5	8545.2	9349.8	9263.1	8702.5	8874.1	7721.1
62.5°	1296.3	1405.9	1932.9	3581.1	5160.3	5484.0	6255.0	6385.9	6247.9	6072.9	4682.9
65°	473.9	518.2	774.6	1480.2	2373.3	2491.7	2898.5	3130.2	3321.1	2827.8	1741.9
67.5°	293.6	321.9	504.0	760.4	863.0	802.9	817.0	974.4	930.2	574.7	311.2
70°	217.5	240.5	394.4	527.0	348.4	268.8	182.2	194.5	175.1	153.9	152.1
72.5°	150.3	171.5	295.3	311.2	134.4	95.5	67.2	93.7	106.1	104.3	107.9
75°	99.0	114.9	185.7	122.0	33.6	26.5	23.0	49.5	63.7	63.7	65.4
77.5°	58.4	67.2	65.4	24.8	7.1	7.1	5.3	8.8	14.1	15.9	19.5
80°	7.1	5.3	3.5	3.5	3.5	3.5	3.5	3.5	5.3	5.3	5.3
82.5°	1.8	1.8	1.8	3.5	3.5	3.5	3.5	3.5	3.5	5.3	5.3
85°	0.0	0.0	1.8	1.8	3.5	3.5	3.5	3.5	3.5	5.3	5.3
87.5°	0.0	0.0	1.8	1.8	3.5	3.5	3.5	3.5	3.5	5.3	5.3
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°	3710.2	3710.2	3710.2	3710.2	3710.2	3710.2	3710.2	3710.2	3710.2	3710.2	3710.2
2.5°	3745.6	3733.2	3784.5	3821.6	3851.7	3865.8	3846.4	3844.6	3844.6	3805.7	3795.1
5°	3789.8	3795.1	3867.6	3899.4	3904.7	3887.1	3842.8	3812.8	3795.1	3754.4	3731.4
7.5°	3874.7	3892.4	3961.3	3956.0	3908.3	3826.9	3710.2	3620.0	3561.7	3498.0	3459.1
10°	3996.7	4030.3	4072.7	3998.5	3846.4	3639.5	3399.0	3227.4	3124.9	3052.3	3008.1
12.5°	4145.2	4178.8	4164.7	3989.6	3673.1	3303.5	2994.0	2746.4	2627.9	2562.5	2516.5
15°	4295.6	4316.8	4224.8	3883.5	3367.1	2870.2	2525.3	2279.5	2134.5	2081.5	2042.6
17.5°	4449.4	4444.1	4235.4	3674.8	2958.6	2382.1	2042.6	1874.6	1833.9	1825.0	1821.5
20°	4610.3	4562.6	4193.0	3376.0	2467.0	1899.3	1706.6	1717.2	1791.4	1826.8	1833.9
22.5°	4794.3	4674.0	4086.9	2971.0	1964.7	1582.8	1602.2	1706.6	1807.4	1855.1	1862.2
25°	4990.6	4776.6	3910.0	2451.1	1549.2	1455.4	1570.4	1690.6	1798.5	1856.9	1863.9
27.5°	5119.7	4801.3	3620.0	1927.6	1329.9	1405.9	1527.9	1642.9	1754.3	1818.0	1826.8
30°	5259.4	4790.7	3225.7	1485.5	1255.6	1363.5	1469.6	1573.9	1676.5	1747.2	1754.3
32.5°	5464.5	4783.7	2744.6	1206.1	1225.5	1329.9	1407.7	1494.3	1565.1	1605.8	1600.4
35°	5733.3	4774.8	2184.0	1087.6	1207.9	1303.3	1365.2	1405.9	1328.1	1303.3	1308.7
37.5°	6078.2	4796.0	1711.9	1038.1	1202.5	1296.3	1349.3	1232.6	1112.4	1066.4	1059.3
40°	6460.1	4850.9	1305.1	1018.6	1220.2	1314.0	1289.2	1096.4	947.9	857.7	838.2
42.5°	6843.9	4911.0	1032.8	1011.6	1250.3	1363.5	1190.2	997.4	774.6	723.3	716.2
45°	7128.6	4900.4	893.1	999.2	1276.8	1391.8	1163.6	855.9	691.5	668.5	670.2
47.5°	7271.9	4783.7	817.0	970.9	1287.4	1363.5	1098.2	797.6	634.9	659.6	680.9
50°	7195.8	4481.3	746.3	916.1	1264.4	1326.3	993.9	753.4	606.6	709.1	756.9
52.5°	7103.9	4109.9	668.5	831.2	1209.6	1275.1	953.2	741.0	588.9	684.4	719.8
55°	7225.9	3874.7	541.1	700.3	1101.7	1154.8	921.4	739.2	548.2	532.3	527.0
57.5°	7054.3	3406.0	387.3	504.0	845.3	914.3	898.4	726.8	486.3	484.6	491.6
60°	5452.1	2077.9	265.3	320.1	518.2	583.6	815.3	695.0	419.1	385.5	387.3
62.5°	3098.3	884.2	182.2	198.1	265.3	314.8	622.5	631.3	387.3	367.8	387.3
65°	1078.8	316.6	141.5	132.6	146.8	168.0	357.2	488.1	351.9	318.3	321.9
67.5°	222.8	157.4	125.6	109.6	109.6	109.6	182.2	304.2	290.0	252.9	256.4
70°	141.5	134.4	109.6	93.7	90.2	83.1	104.3	168.0	199.8	183.9	185.7
72.5°	104.3	102.6	86.7	76.0	67.2	60.1	65.4	83.1	102.6	106.1	107.9
75°	63.7	65.4	56.6	47.7	42.4	37.1	38.9	38.9	38.9	35.4	38.9
77.5°	19.5	21.2	17.7	14.1	12.4	12.4	12.4	10.6	8.8	5.3	5.3
80°	5.3	5.3	5.3	5.3	5.3	3.5	3.5	1.8	1.8	0.0	0.0
82.5°	5.3	5.3	5.3	5.3	3.5	3.5	1.8	1.8	0.0	0.0	0.0
85°	5.3	5.3	5.3	5.3	3.5	3.5	1.8	1.8	0.0	0.0	0.0
87.5°	5.3	5.3	5.3	5.3	3.5	3.5	1.8	1.8	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)