

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: P635860

Luminaire Tested: GWS-SA3E-750-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635860
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-SA3E-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14109 lumens
Efficiency: N/A
Efficacy: 88.6 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

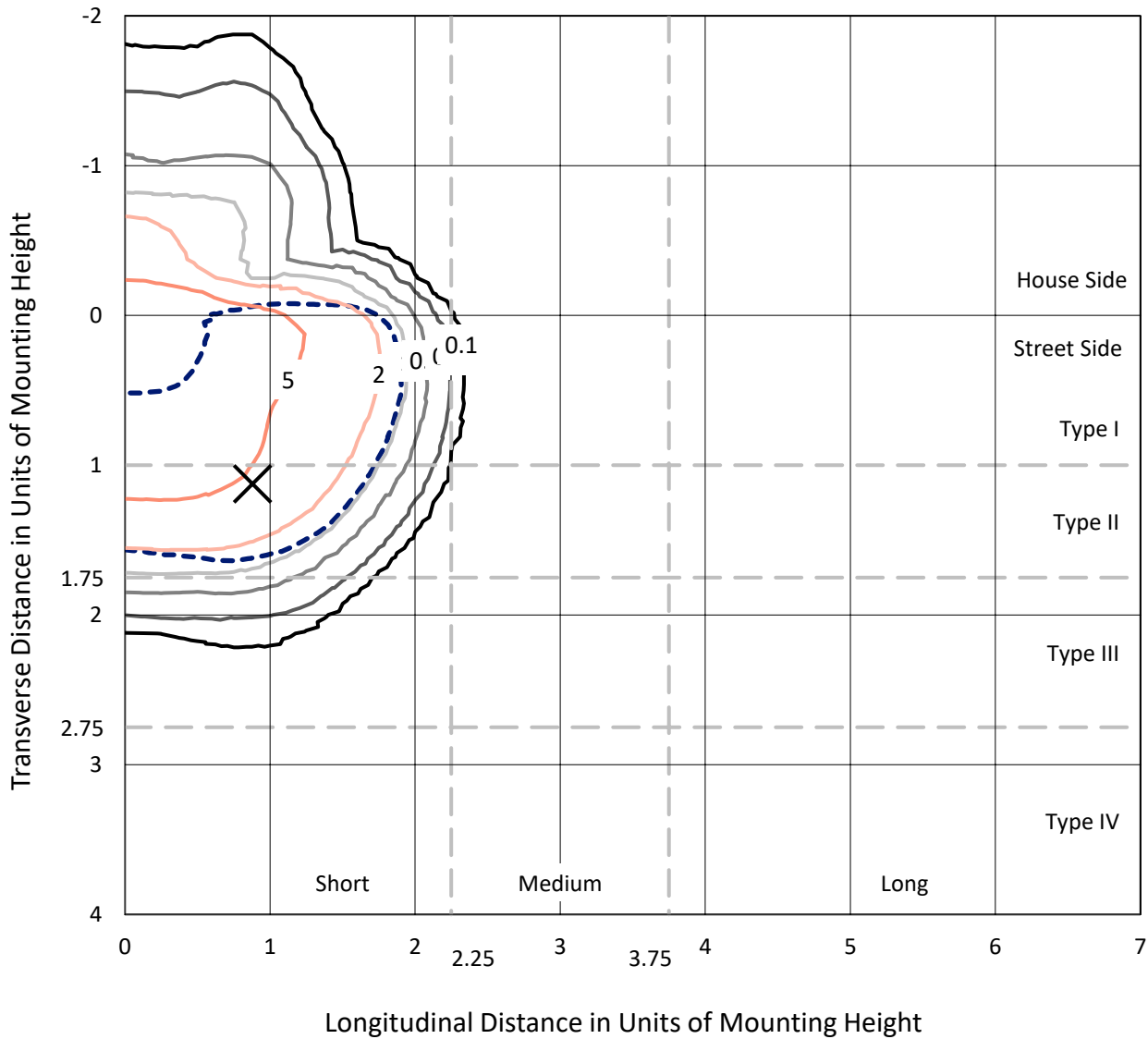
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

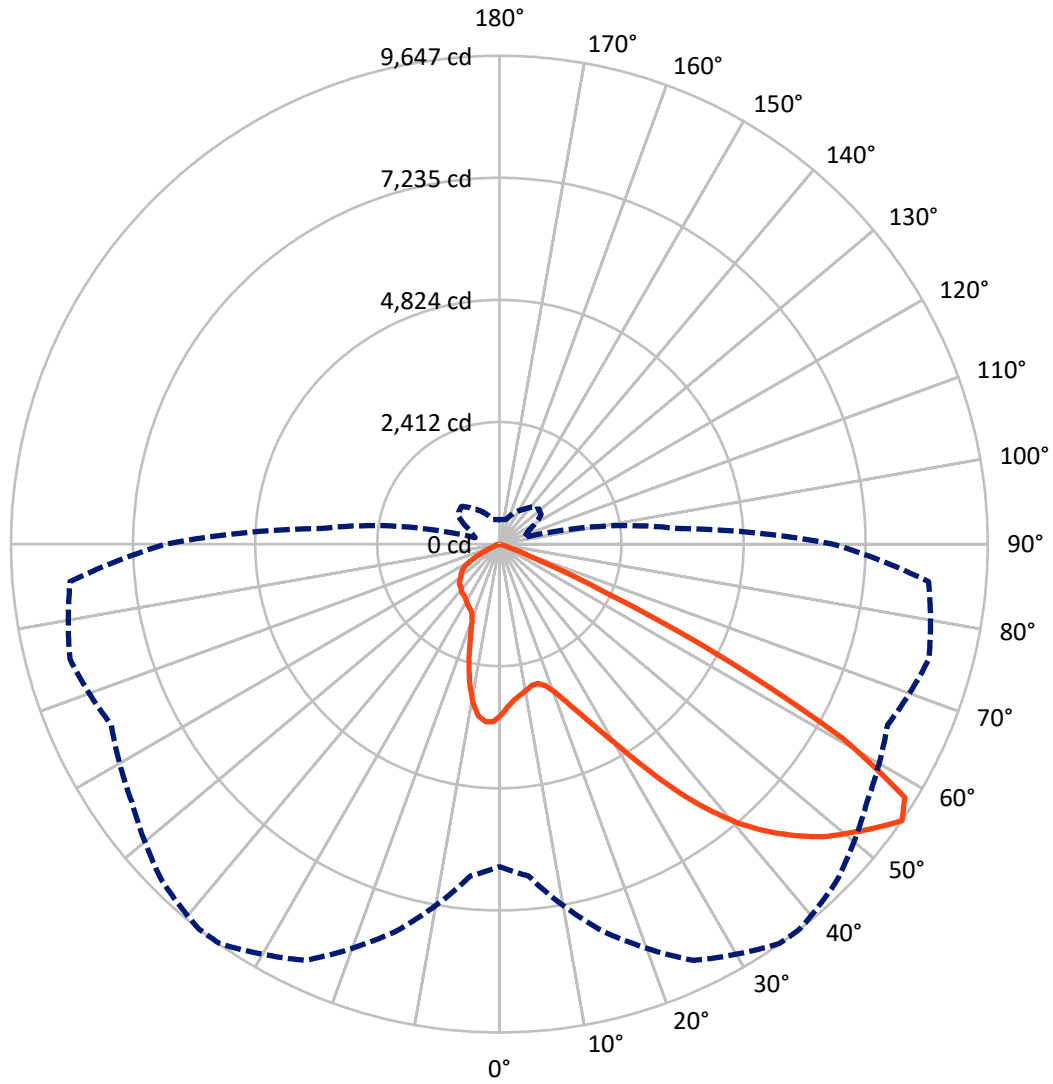
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.8 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	2748.9	0.0	2748.9
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	11360.1	0.0	11360.1
	% Fixture	80.5	0.0	80.5
Total	Lumens	14109.0	0.0	14109.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.8	2.2
10°-20°	842.2	6.0
20°-30°	1445.3	10.2
30°-40°	2397.1	17.0
40°-50°	3523.9	25.0
50°-60°	4117.7	29.2
60°-70°	1395.8	9.9
70°-80°	71.4	0.5
80°-90°	2.8	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°	14109.0	100.0
0°-180°	14109.0	100.0

Coefficient of Utilization

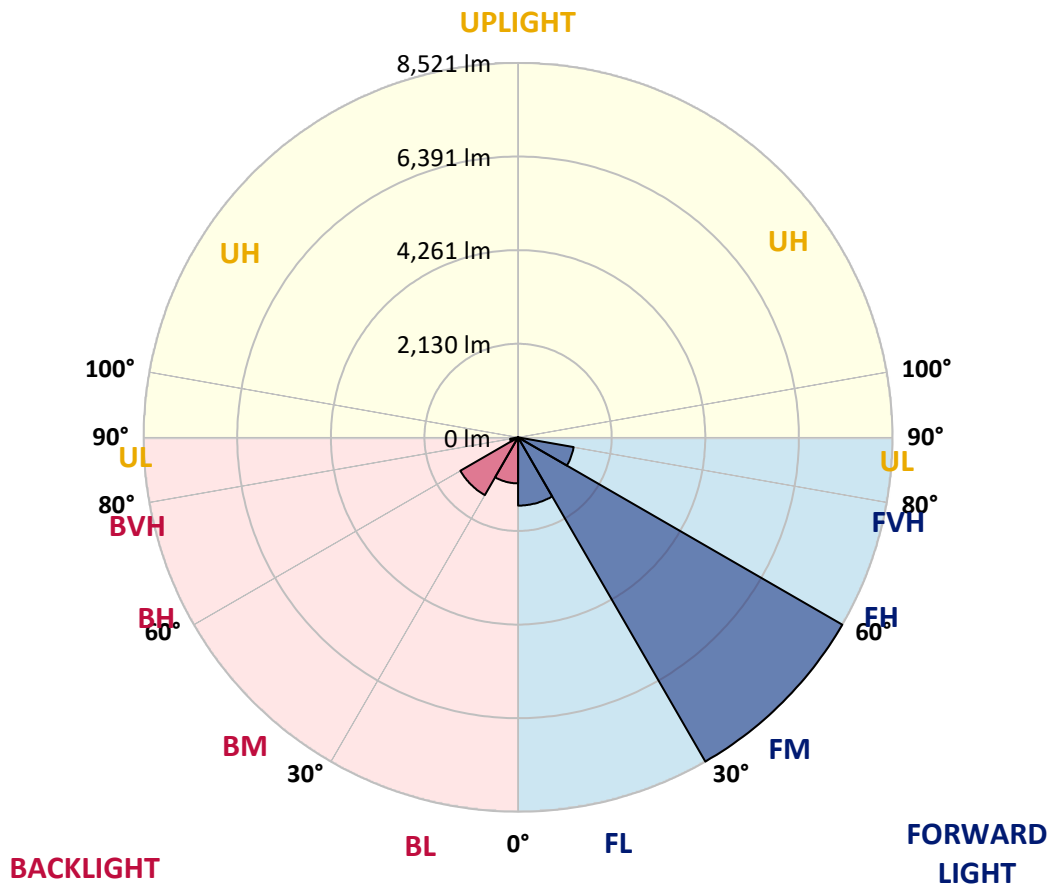


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1553.1	11.0			
FM (30°-60°)	8521.4	60.4			
FH (60°-80°)	1284.1	9.1			G1/1800
FVH (80°-90°)	1.5	0.0			G0/10
BL (0°-30°)	1047.3	7.4	B3/2500		
BM (30°-60°)	1517.3	10.8	B2/2500		
BH (60°-80°)	183.0	1.3	B1/500		G1/500
BVH (80°-90°)	1.3	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°	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4
2.5°	3151.2	3144.8	3157.7	3183.5	3207.7	3215.7	3239.9	3273.8	3294.7	3344.7	3385.1
5°	3009.3	3006.1	3019.0	3041.6	3073.8	3085.1	3122.2	3178.6	3235.1	3322.2	3407.6
7.5°	2880.3	2878.7	2898.0	2948.0	2994.8	3009.3	3054.5	3123.8	3199.6	3333.5	3459.2
10°	2711.0	2712.6	2749.7	2820.6	2906.1	2935.1	3007.7	3107.7	3206.0	3378.6	3552.8
12.5°	2656.1	2659.3	2678.7	2733.5	2827.1	2864.2	2965.8	3117.4	3243.1	3443.1	3673.7
15°	2790.0	2790.0	2773.8	2780.3	2822.2	2856.1	2962.5	3149.6	3306.0	3520.5	3793.1
17.5°	3049.6	3039.9	2999.6	2944.8	2930.3	2941.6	3027.0	3219.0	3394.7	3610.8	3928.5
20°	3401.2	3404.4	3325.4	3210.9	3119.0	3117.4	3169.0	3341.5	3522.1	3718.9	4075.3
22.5°	3826.9	3814.0	3709.2	3552.8	3393.1	3380.2	3401.2	3528.6	3706.0	3889.8	4255.9
25°	4320.4	4314.0	4165.6	3956.0	3744.7	3714.0	3714.0	3839.8	3968.9	4133.4	4472.0
27.5°	4836.5	4836.5	4693.0	4451.1	4170.4	4115.6	4107.5	4255.9	4341.4	4373.6	4654.3
30°	5367.1	5360.6	5218.7	4970.3	4670.4	4613.9	4591.4	4701.0	4762.3	4665.5	4881.6
32.5°	5905.7	5917.0	5773.5	5542.9	5275.1	5238.1	5168.7	5168.7	5218.7	5083.2	5239.7
35°	6484.7	6481.4	6368.6	6212.1	5983.1	5941.2	5826.7	5647.7	5723.5	5663.8	5734.8
37.5°	6995.9	7020.1	6965.3	6849.1	6663.7	6621.7	6433.1	6108.9	6167.0	6260.5	6323.4
40°	7515.2	7534.5	7589.4	7552.3	7318.4	7241.0	6905.6	6373.4	6437.9	6758.8	6939.5
42.5°	8024.8	8034.5	8145.8	8207.0	7894.2	7758.7	7263.6	6534.7	6602.4	7149.1	7465.2
45°	8349.0	8369.9	8553.8	8740.8	8402.2	8216.7	7574.9	6741.1	6770.1	7420.0	7853.9
47.5°	8336.1	8384.4	8729.5	9069.8	8839.2	8639.2	7949.0	7071.7	7023.3	7674.8	8110.3
50°	8076.4	8134.5	8629.6	9169.8	9153.7	8968.2	8365.1	7550.7	7399.1	7900.6	8142.5
52.5°	7537.8	7705.5	8453.8	9182.7	9406.9	9313.3	8879.5	8195.7	7907.1	8224.8	8194.1
55°	6373.4	6579.8	7920.0	9073.1	9635.9	9647.2	9419.8	8868.2	8458.6	8782.8	8511.8
57.5°	4838.1	5002.6	6096.0	8076.4	9256.9	9442.4	9629.4	9223.0	8798.9	9163.4	8586.0
60°	2915.8	3106.1	3817.3	5926.7	7476.5	7792.6	8526.3	8447.3	7936.1	8092.5	7041.1
62.5°	1182.1	1282.1	1762.7	3265.7	4705.9	5001.0	5704.1	5823.5	5697.7	5538.0	4270.4
65°	432.2	472.5	706.4	1349.8	2164.2	2272.3	2643.2	2854.5	3028.7	2578.7	1588.5
67.5°	267.7	293.5	459.6	693.5	787.0	732.2	745.1	888.6	848.3	524.1	283.8
70°	198.4	219.3	359.6	480.6	317.7	245.1	166.1	177.4	159.7	140.3	138.7
72.5°	137.1	156.4	269.3	283.8	122.6	87.1	61.3	85.5	96.8	95.1	98.4
75°	90.3	104.8	169.3	111.3	30.6	24.2	21.0	45.2	58.1	58.1	59.7
77.5°	53.2	61.3	59.7	22.6	6.5	6.5	4.8	8.1	12.9	14.5	17.7
80°	6.5	4.8	3.2	3.2	3.2	3.2	3.2	3.2	4.8	4.8	4.8
82.5°	1.6	1.6	1.6	3.2	3.2	3.2	3.2	3.2	3.2	4.8	4.8
85°	0.0	0.0	1.6	1.6	3.2	3.2	3.2	3.2	3.2	4.8	4.8
87.5°	0.0	0.0	1.6	1.6	3.2	3.2	3.2	3.2	3.2	4.8	4.8
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°	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4	3383.4
2.5°	3415.7	3404.4	3451.2	3485.0	3512.5	3525.4	3507.6	3506.0	3506.0	3470.5	3460.9
5°	3456.0	3460.9	3527.0	3556.0	3560.8	3544.7	3504.4	3477.0	3460.9	3423.8	3402.8
7.5°	3533.4	3549.6	3612.4	3607.6	3564.1	3489.9	3383.4	3301.2	3248.0	3189.9	3154.4
10°	3644.7	3675.3	3714.0	3646.3	3507.6	3318.9	3099.6	2943.2	2849.6	2783.5	2743.2
12.5°	3780.2	3810.8	3797.9	3638.3	3349.6	3012.5	2730.3	2504.5	2396.5	2336.8	2294.9
15°	3917.3	3936.6	3852.7	3541.5	3070.6	2617.4	2302.9	2078.8	1946.5	1898.1	1862.7
17.5°	4057.6	4052.7	3862.4	3351.2	2698.0	2172.3	1862.7	1709.5	1672.4	1664.3	1661.1
20°	4204.3	4160.8	3823.7	3078.6	2249.7	1732.0	1556.3	1565.9	1633.7	1665.9	1672.4
22.5°	4372.0	4262.4	3727.0	2709.3	1791.7	1443.4	1461.1	1556.3	1648.2	1691.7	1698.2
25°	4551.0	4355.9	3565.7	2235.2	1412.7	1327.3	1432.1	1541.7	1640.1	1693.3	1699.8
27.5°	4668.8	4378.5	3301.2	1757.8	1212.8	1282.1	1393.4	1498.2	1599.8	1657.9	1665.9
30°	4796.2	4368.8	2941.6	1354.7	1145.0	1243.4	1340.2	1435.3	1528.8	1593.3	1599.8
32.5°	4983.2	4362.4	2502.9	1099.9	1117.6	1212.8	1283.7	1362.7	1427.2	1464.3	1459.5
35°	5228.4	4354.3	1991.7	991.8	1101.5	1188.6	1245.0	1282.1	1211.1	1188.6	1193.4
37.5°	5542.9	4373.6	1561.1	946.7	1096.6	1182.1	1230.5	1124.1	1014.4	972.5	966.0
40°	5891.2	4423.6	1190.2	928.9	1112.8	1198.2	1175.7	999.9	864.4	782.2	764.4
42.5°	6241.2	4478.5	941.8	922.5	1140.2	1243.4	1085.3	909.6	706.4	659.6	653.1
45°	6500.8	4468.8	814.4	911.2	1164.4	1269.2	1061.2	780.5	630.6	609.6	611.2
47.5°	6631.4	4362.4	745.1	885.4	1174.0	1243.4	1001.5	727.3	579.0	601.5	620.9
50°	6562.1	4086.6	680.6	835.4	1153.1	1209.5	906.3	687.0	553.2	646.7	690.2
52.5°	6478.2	3747.9	609.6	758.0	1103.1	1162.8	869.2	675.7	537.0	624.1	656.4
55°	6589.5	3533.4	493.5	638.6	1004.7	1053.1	840.2	674.1	499.9	485.4	480.6
57.5°	6433.1	3106.1	353.2	459.6	770.9	833.8	819.3	662.8	443.5	441.9	448.3
60°	4972.0	1894.9	241.9	291.9	472.5	532.2	743.5	633.8	382.2	351.6	353.2
62.5°	2825.5	806.4	166.1	180.6	241.9	287.1	567.7	575.7	353.2	335.4	353.2
65°	983.7	288.7	129.0	121.0	133.9	153.2	325.8	445.1	320.9	290.3	293.5
67.5°	203.2	143.5	114.5	100.0	100.0	100.0	166.1	277.4	264.5	230.6	233.8
70°	129.0	122.6	100.0	85.5	82.2	75.8	95.1	153.2	182.2	167.7	169.3
72.5°	95.1	93.5	79.0	69.3	61.3	54.8	59.7	75.8	93.5	96.8	98.4
75°	58.1	59.7	51.6	43.5	38.7	33.9	35.5	35.5	35.5	32.3	35.5
77.5°	17.7	19.4	16.1	12.9	11.3	11.3	11.3	9.7	8.1	4.8	4.8
80°	4.8	4.8	4.8	4.8	4.8	3.2	3.2	1.6	1.6	0.0	0.0
82.5°	4.8	4.8	4.8	4.8	3.2	3.2	1.6	1.6	0.0	0.0	0.0
85°	4.8	4.8	4.8	4.8	3.2	3.2	1.6	1.6	0.0	0.0	0.0
87.5°	4.8	4.8	4.8	4.8	3.2	3.2	1.6	1.6	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)