

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: P635778

Luminaire Tested: GWS-SA3E-740-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-740-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12862.7 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

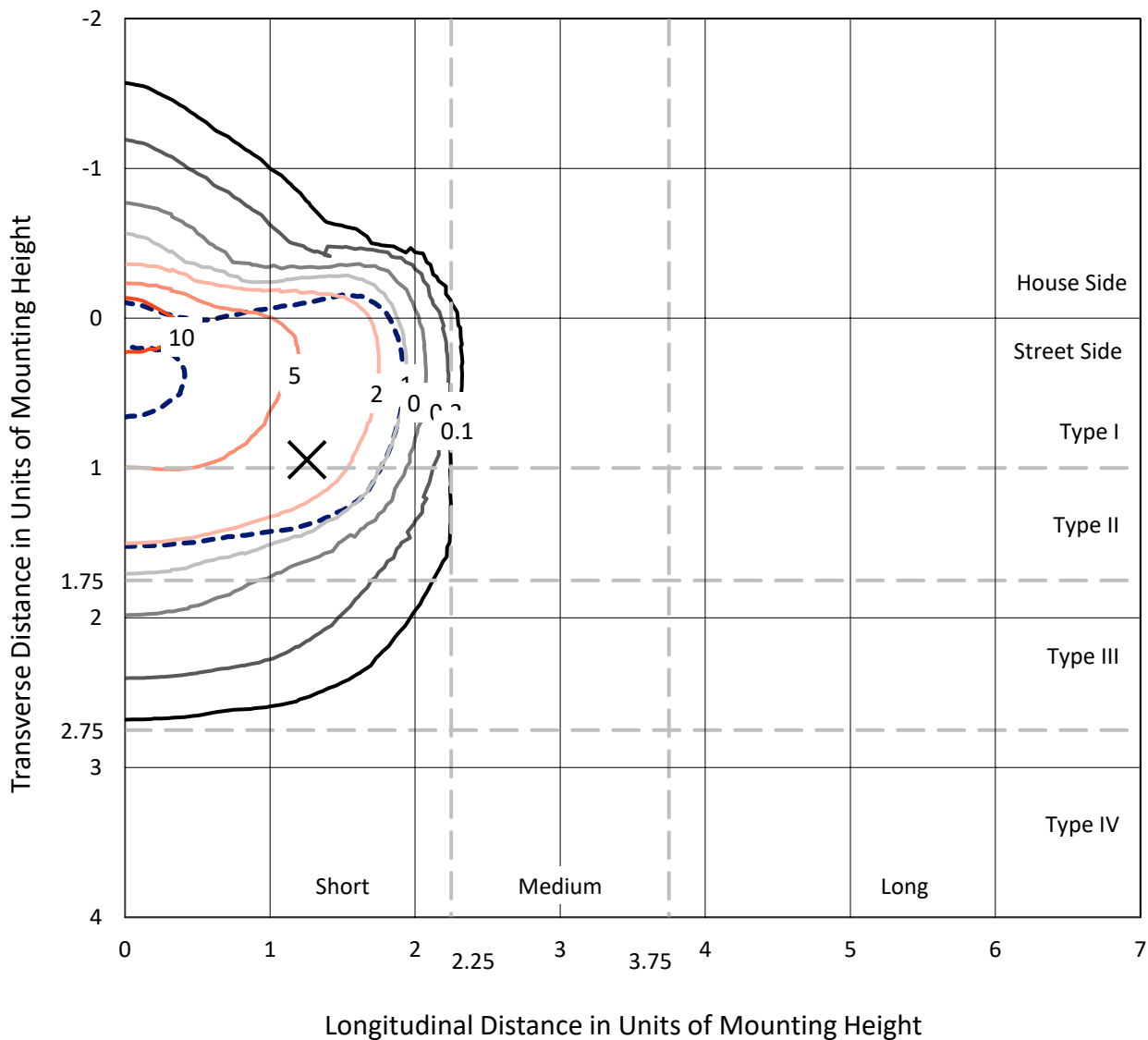
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

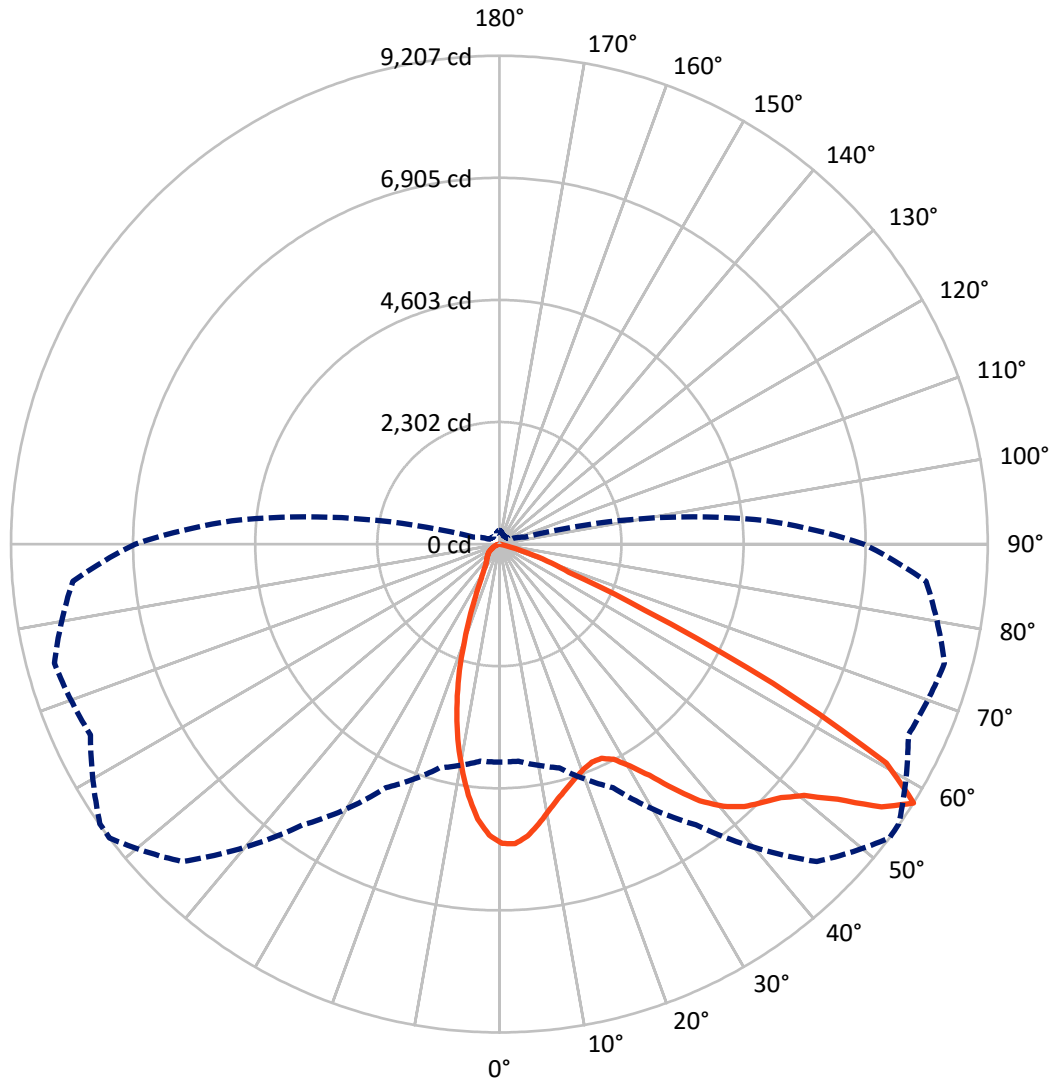
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 14.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2124.8	0.0	2124.8
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	10737.9	0.0	10737.9
	% Fixture	83.5	0.0	83.5
Total	Lumens	12862.7	0.0	12862.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	482.7	3.8
10°-20°	1059.8	8.2
20°-30°	1380.7	10.7
30°-40°	2002.7	15.6
40°-50°	2889.7	22.5
50°-60°	3494.8	27.2
60°-70°	1424.3	11.1
70°-80°	128.0	1.0
80°-90°	0.0	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°	12862.7	100.0
0°-180°	12862.7	100.0

Coefficient of Utilization



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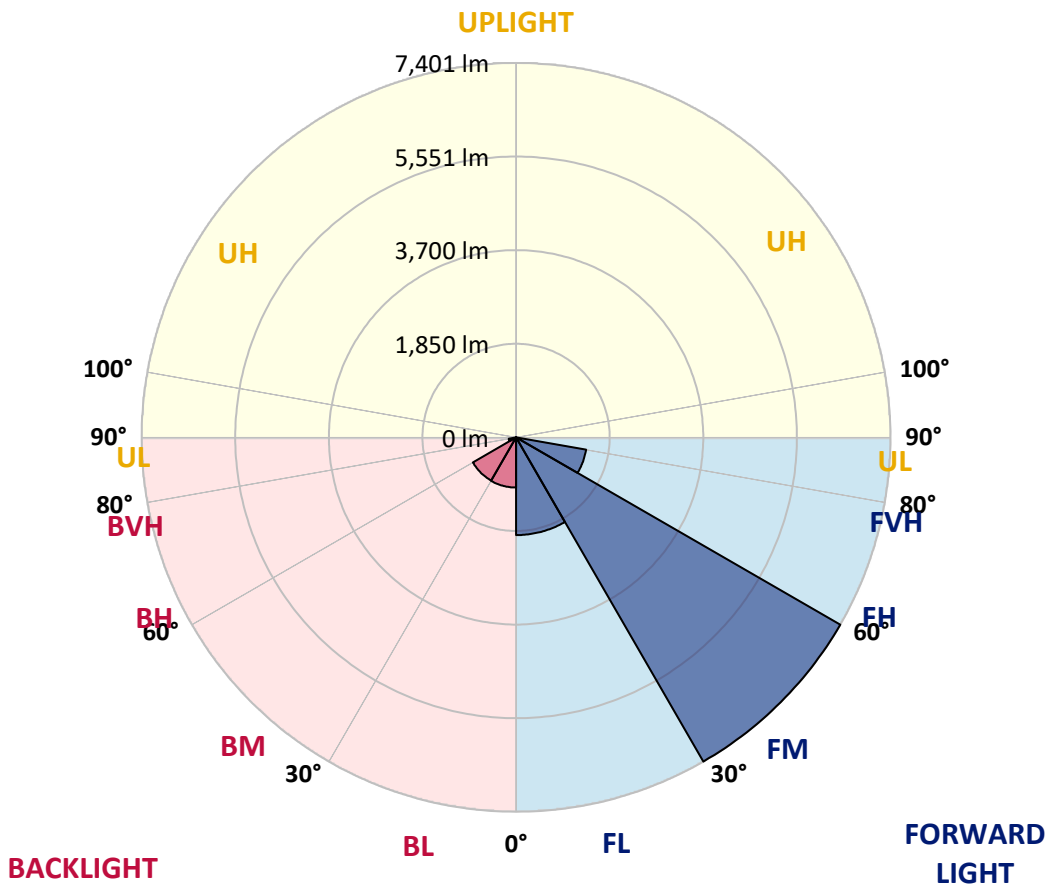
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1931.6	15.0			
FM (30°-60°)	7400.9	57.5			
FH (60°-80°)	1405.5	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	991.6	7.7	B2/1000		
BM (30°-60°)	986.2	7.7	B1/1000		
BH (60°-80°)	146.9	1.1	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	5642.3	5642.3	5642.3	5642.3	5642.3	5642.3	5642.3	5642.3	5642.3	5642.3	5642.3
2.5°	5563.5	5576.1	5598.2	5626.5	5645.5	5654.9	5654.9	5681.7	5664.4	5650.2	5634.4
5°	5325.4	5338.0	5368.0	5413.7	5459.4	5492.5	5530.4	5558.8	5569.8	5569.8	5543.0
7.5°	4989.6	5007.0	5025.9	5089.0	5188.3	5262.4	5327.0	5368.0	5427.9	5446.8	5409.0
10°	4628.6	4646.0	4688.5	4775.2	4888.7	4999.1	5109.5	5161.5	5264.0	5317.6	5275.0
12.5°	4322.8	4330.7	4387.4	4491.5	4636.5	4787.8	4921.9	4975.5	5120.5	5200.9	5150.4
15°	4070.5	4075.3	4132.0	4247.1	4414.2	4600.2	4768.9	4824.1	5002.3	5123.6	5048.0
17.5°	3879.8	3881.4	3930.2	4054.8	4229.8	4436.3	4636.5	4704.3	4934.5	5081.1	4967.6
20°	3783.6	3778.9	3813.6	3922.3	4087.9	4294.4	4530.9	4614.4	4896.6	5074.8	4906.1
22.5°	3785.2	3774.2	3788.3	3865.6	4005.9	4199.8	4464.7	4559.3	4899.8	5101.6	4854.1
25°	3875.1	3859.3	3862.4	3903.4	4002.7	4179.3	4474.1	4575.0	4962.8	5191.4	4835.1
27.5°	4026.4	4009.1	4009.1	4029.5	4083.1	4244.0	4592.4	4707.4	5131.5	5366.4	4874.6
30°	4221.9	4204.5	4198.2	4218.7	4262.9	4411.1	4855.6	4975.5	5420.0	5653.3	5000.7
32.5°	4445.7	4425.3	4436.3	4464.7	4507.2	4712.2	5194.6	5353.8	5781.0	6039.6	5227.7
35°	4682.2	4664.9	4715.3	4776.8	4843.0	5129.9	5662.8	5801.5	6224.0	6520.4	5574.5
37.5°	4907.7	4899.8	5005.4	5134.7	5271.8	5631.3	6138.9	6246.1	6604.0	7043.8	5998.6
40°	5133.1	5131.5	5312.8	5539.8	5759.0	6131.0	6499.9	6588.2	6835.7	7450.6	6405.3
42.5°	5385.3	5385.3	5636.0	5938.7	6230.4	6553.5	6764.8	6804.2	6939.8	7685.5	6711.2
45°	5626.5	5640.7	5930.8	6282.4	6627.6	6883.0	6947.7	6950.8	6982.3	7824.2	6965.0
47.5°	5817.3	5829.9	6176.7	6581.9	6954.0	7133.7	7143.1	7129.0	7094.3	7956.6	7160.5
50°	5971.8	5990.7	6353.3	6782.1	7177.8	7374.9	7447.4	7433.2	7344.9	8098.5	7297.6
52.5°	6047.5	6074.3	6414.8	6881.4	7426.9	7787.9	7989.7	8022.8	7720.1	8177.3	7428.5
55°	5442.1	5481.5	5795.2	6433.7	7565.7	8426.4	8743.3	8737.0	8126.9	8412.2	7746.9
57.5°	4110.0	4106.8	4366.9	5065.3	6462.1	8462.7	9206.8	9194.2	8506.8	8685.0	8073.3
60°	2798.3	2779.4	2848.7	3186.1	4518.3	6894.1	8379.1	8549.4	8237.2	8022.8	6854.6
62.5°	2303.3	2285.9	2263.9	2170.8	2594.9	4294.4	5788.9	6047.5	6006.5	5576.1	4299.1
65°	1885.5	1899.7	1961.2	1921.8	1805.1	2202.4	3004.8	3157.7	2886.6	2429.4	1502.4
67.5°	1390.5	1396.8	1477.2	1685.3	1622.2	1466.2	1414.1	1439.3	843.4	387.8	250.7
70°	821.4	826.1	900.2	1179.2	1316.4	1125.6	955.4	941.2	334.2	104.0	113.5
72.5°	465.1	455.6	469.8	561.2	717.3	597.5	491.9	447.7	100.9	58.3	58.3
75°	220.7	214.4	184.5	173.4	157.7	100.9	63.1	53.6	25.2	23.6	23.6
77.5°	1.6	4.7	3.2	4.7	4.7	3.2	1.6	1.6	4.7	4.7	6.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5642.3	5642.3	5642.3	5642.3	5642.3	5642.3	5642.3	5642.3	5642.3	5642.3	5642.3
2.5°	5606.1	5558.8	5547.7	5544.6	5500.4	5453.1	5404.3	5385.3	5357.0	5339.6	5353.8
5°	5500.4	5432.6	5372.7	5317.6	5219.8	5112.6	5019.6	4959.7	4902.9	4865.1	4874.6
7.5°	5350.7	5262.4	5125.2	4984.9	4805.2	4644.4	4464.7	4354.3	4251.8	4195.1	4221.9
10°	5191.4	5074.8	4855.6	4617.6	4335.4	4083.1	3826.2	3616.5	3495.1	3380.0	3392.6
12.5°	5035.4	4880.9	4552.9	4191.9	3835.6	3463.6	3075.8	2785.7	2587.0	2443.6	2421.5
15°	4890.3	4691.7	4258.1	3782.0	3296.5	2801.5	2306.4	1891.8	1661.6	1519.8	1510.3
17.5°	4761.0	4515.1	3952.3	3353.2	2744.7	2110.9	1541.8	1231.3	1098.8	1037.3	1031.0
20°	4636.5	4337.0	3640.2	2918.1	2142.5	1481.9	1064.1	920.7	878.1	852.9	856.0
22.5°	4516.7	4143.1	3312.2	2435.7	1606.5	1040.5	824.5	769.3	764.6	767.8	769.3
25°	4415.8	3964.9	2974.9	1970.6	1146.1	793.0	688.9	673.2	687.4	707.9	711.0
27.5°	4363.8	3819.9	2645.4	1502.4	829.2	644.8	597.5	603.8	629.0	651.1	654.2
30°	4378.0	3711.1	2304.9	1089.4	638.5	543.9	528.1	540.7	566.0	586.5	589.6
32.5°	4478.9	3655.9	1956.4	793.0	525.0	474.5	468.2	477.7	499.8	515.5	517.1
35°	4679.1	3668.5	1625.4	607.0	450.9	422.5	420.9	427.2	438.3	449.3	450.9
37.5°	4973.9	3771.0	1299.0	504.5	408.3	387.8	381.5	381.5	389.4	394.1	397.3
40°	5290.8	3925.5	1040.5	446.2	378.4	356.3	343.7	338.9	345.3	351.6	353.1
42.5°	5552.5	4080.0	845.0	405.2	354.7	324.8	309.0	305.8	313.7	324.8	327.9
45°	5752.7	4199.8	704.7	372.1	327.9	294.8	277.5	277.5	291.7	310.6	313.7
47.5°	5935.5	4296.0	600.6	342.1	302.7	268.0	250.7	253.8	277.5	302.7	307.4
50°	6060.1	4373.2	523.4	315.3	282.2	245.9	230.2	236.5	264.9	294.8	299.5
52.5°	6194.1	4467.8	473.0	291.7	263.3	228.6	214.4	219.1	250.7	283.8	290.1
55°	6564.6	4784.7	471.4	260.1	230.2	204.9	198.6	200.2	231.7	269.6	277.5
57.5°	6867.3	5063.7	502.9	219.1	192.3	179.7	176.6	178.1	206.5	249.1	258.5
60°	5681.7	3935.0	416.2	181.3	160.8	157.7	152.9	156.1	182.9	220.7	228.6
62.5°	3362.7	2249.7	198.6	138.7	137.2	134.0	129.3	135.6	160.8	193.9	198.6
65°	1149.3	666.9	126.1	113.5	116.7	111.9	107.2	113.5	135.6	154.5	156.1
67.5°	220.7	176.6	100.9	94.6	96.2	86.7	85.1	91.4	104.0	107.2	105.6
70°	115.1	102.5	77.2	77.2	74.1	61.5	61.5	67.8	67.8	63.1	61.5
72.5°	59.9	56.8	50.4	56.8	47.3	37.8	37.8	41.0	37.8	31.5	31.5
75°	23.6	23.6	22.1	28.4	20.5	17.3	15.8	18.9	14.2	11.0	11.0
77.5°	6.3	6.3	6.3	7.9	4.7	4.7	3.2	3.2	1.6	0.0	0.0
80°	0.0	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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)