

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: P635393

Luminaire Tested: GWS-SA3D-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635393
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-SA3D-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10384.7 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

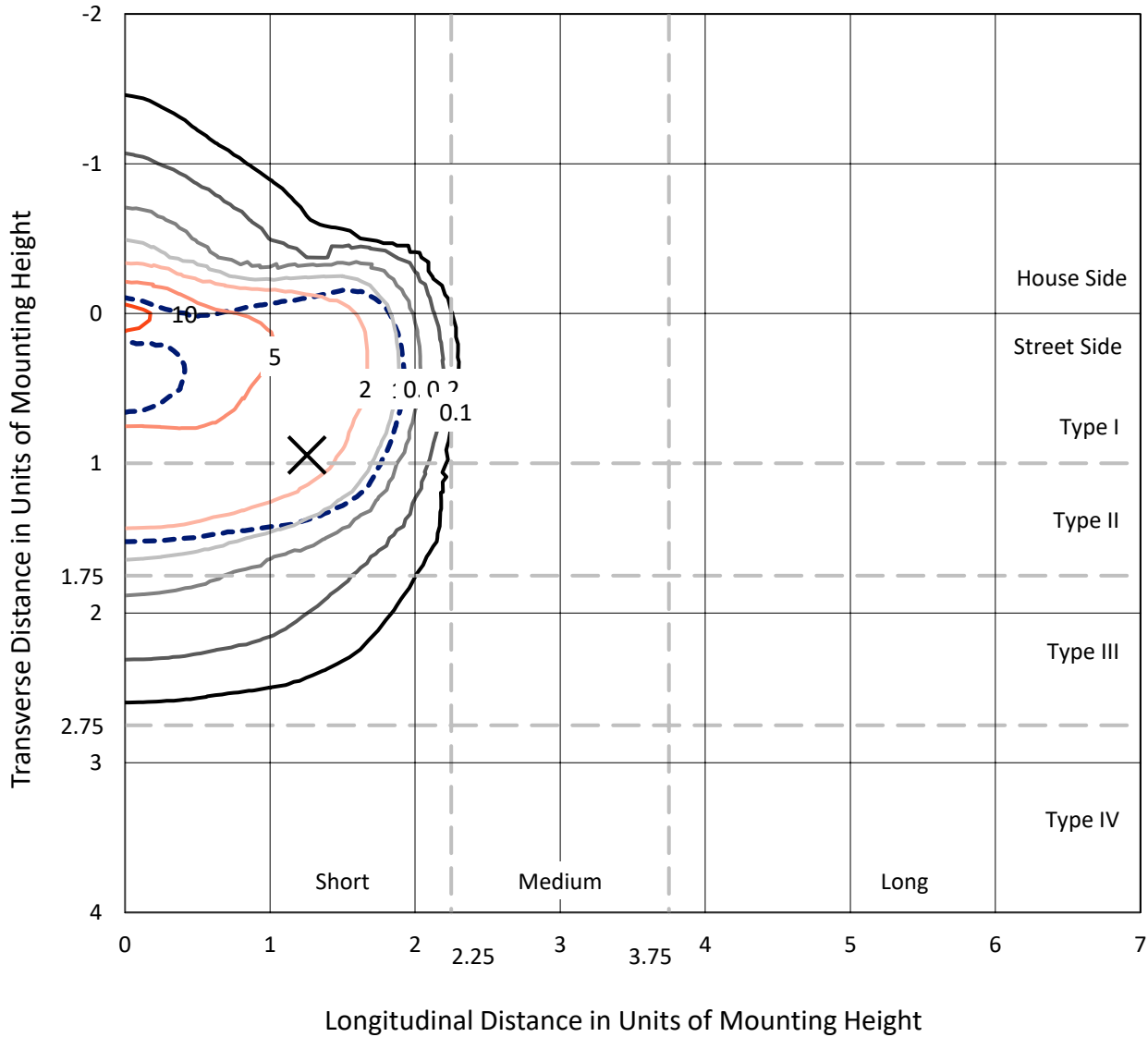
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

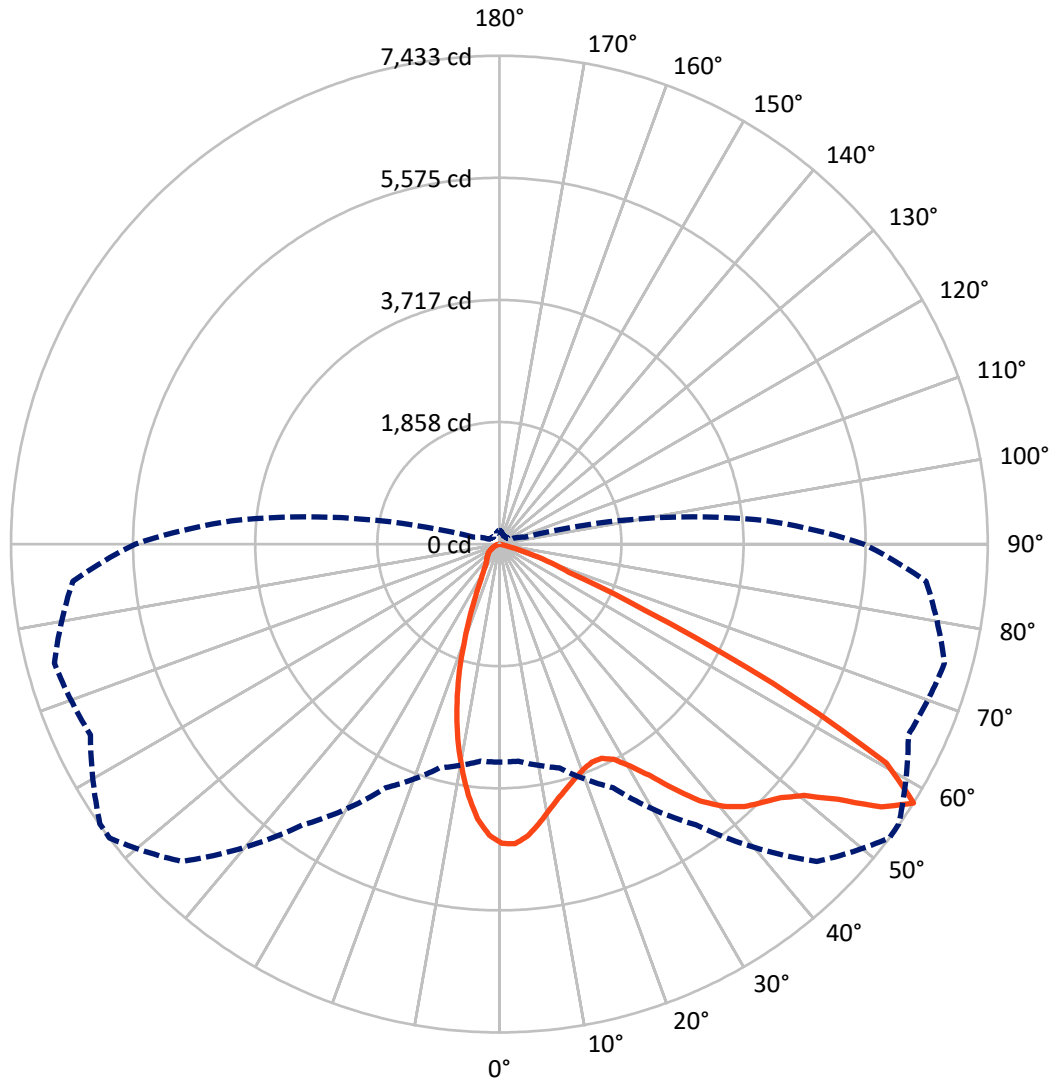
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.4 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	1715.4	0.0	1715.4
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	8669.3	0.0	8669.3
	% Fixture	83.5	0.0	83.5
Total	Lumens	10384.7	0.0	10384.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.7	3.8
10°-20°	855.6	8.2
20°-30°	1114.7	10.7
30°-40°	1616.8	15.6
40°-50°	2333.0	22.5
50°-60°	2821.5	27.2
60°-70°	1149.9	11.1
70°-80°	103.3	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°	10384.7	100.0
0°-180°	10384.7	100.0

Coefficient of Utilization



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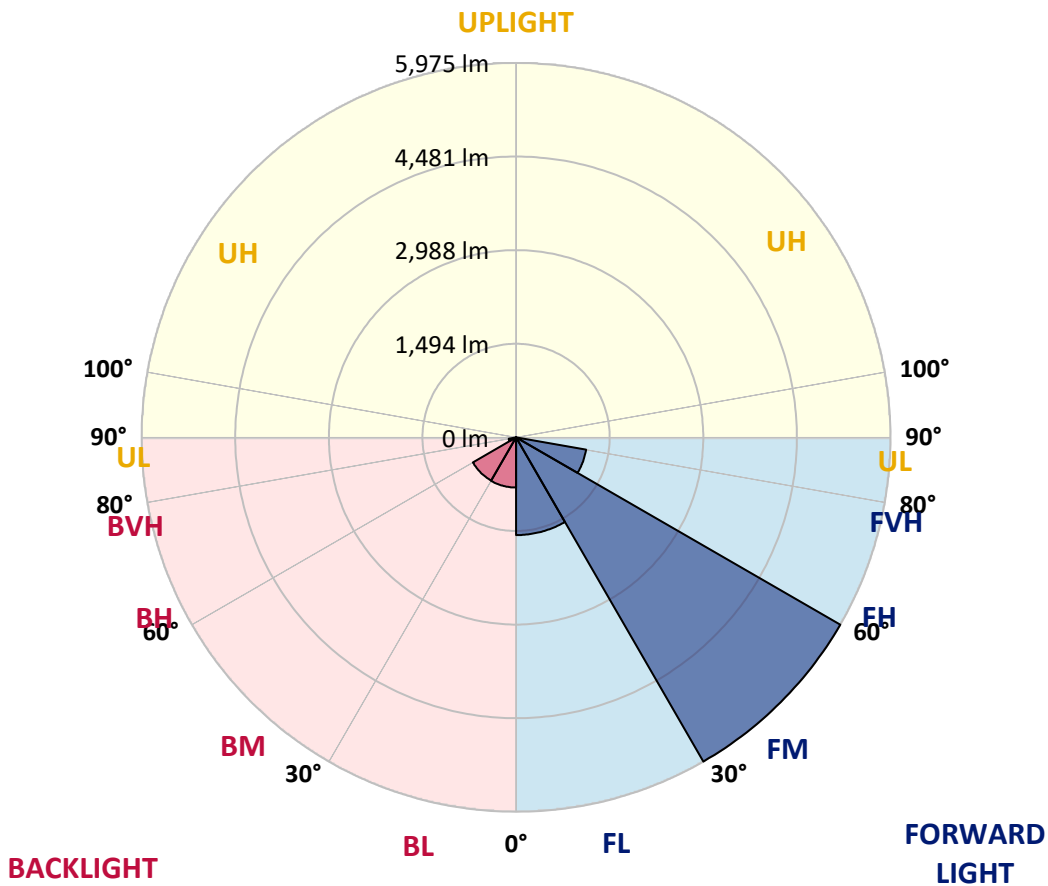
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1559.4	15.0			
FM (30°-60°)	5975.1	57.5			
FH (60°-80°)	1134.7	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	800.6	7.7	B2/1000		
BM (30°-60°)	796.2	7.7	B1/1000		
BH (60°-80°)	118.6	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°	4555.3	4555.3	4555.3	4555.3	4555.3	4555.3	4555.3	4555.3	4555.3	4555.3	4555.3
2.5°	4491.7	4501.9	4519.7	4542.6	4557.9	4565.5	4565.5	4587.1	4573.1	4561.7	4549.0
5°	4299.5	4309.7	4333.9	4370.8	4407.7	4434.4	4465.0	4487.9	4496.8	4496.8	4475.1
7.5°	4028.4	4042.4	4057.7	4108.6	4188.8	4248.6	4300.8	4333.9	4382.2	4397.5	4366.9
10°	3736.9	3750.9	3785.3	3855.3	3946.9	4036.0	4125.1	4167.1	4249.9	4293.1	4258.8
12.5°	3490.0	3496.4	3542.2	3626.2	3743.3	3865.5	3973.7	4016.9	4134.0	4198.9	4158.2
15°	3286.3	3290.2	3336.0	3428.9	3563.8	3714.0	3850.2	3894.7	4038.6	4136.6	4075.5
17.5°	3132.3	3133.6	3173.1	3273.6	3414.9	3581.6	3743.3	3798.0	3983.8	4102.2	4010.6
20°	3054.7	3050.9	3078.9	3166.7	3300.3	3467.1	3658.0	3725.5	3953.3	4097.1	3960.9
22.5°	3056.0	3047.1	3058.5	3120.9	3234.2	3390.7	3604.5	3680.9	3955.8	4118.8	3918.9
25°	3128.5	3115.8	3118.3	3151.4	3231.6	3374.2	3612.2	3693.6	4006.7	4191.3	3903.7
27.5°	3250.7	3236.7	3236.7	3253.3	3296.5	3426.4	3707.6	3800.6	4142.9	4332.6	3935.5
30°	3408.5	3394.5	3389.4	3406.0	3441.6	3561.3	3920.2	4016.9	4375.9	4564.2	4037.3
32.5°	3589.3	3572.7	3581.6	3604.5	3638.9	3804.4	4193.8	4322.4	4667.3	4876.1	4220.6
35°	3780.2	3766.2	3806.9	3856.6	3910.0	4141.7	4571.9	4683.9	5025.0	5264.3	4500.6
37.5°	3962.2	3955.8	4041.1	4145.5	4256.2	4546.4	4956.3	5042.8	5331.7	5686.8	4843.0
40°	4144.2	4142.9	4289.3	4472.6	4649.5	4949.9	5247.7	5319.0	5518.8	6015.2	5171.4
42.5°	4347.9	4347.9	4550.2	4794.6	5030.1	5291.0	5461.5	5493.4	5602.8	6204.9	5418.3
45°	4542.6	4554.0	4788.2	5072.1	5350.8	5557.0	5609.2	5611.7	5637.2	6316.9	5623.2
47.5°	4696.6	4706.8	4986.8	5313.9	5614.3	5759.4	5767.0	5755.6	5727.6	6423.8	5781.0
50°	4821.3	4836.6	5129.4	5475.5	5795.0	5954.1	6012.7	6001.2	5929.9	6538.3	5891.8
52.5°	4882.4	4904.1	5179.0	5555.7	5996.1	6287.6	6450.5	6477.2	6232.9	6602.0	5997.4
55°	4393.7	4425.5	4678.8	5194.3	6108.1	6803.1	7058.9	7053.8	6561.2	6791.6	6254.5
57.5°	3318.2	3315.6	3525.6	4089.5	5217.2	6832.3	7433.1	7422.9	6868.0	7011.8	6518.0
60°	2259.2	2243.9	2299.9	2572.3	3647.8	5565.9	6764.9	6902.3	6650.3	6477.2	5534.1
62.5°	1859.5	1845.5	1827.7	1752.6	2095.0	3467.1	4673.7	4882.4	4849.3	4501.9	3470.9
65°	1522.3	1533.7	1583.4	1551.5	1457.3	1778.1	2425.9	2549.4	2330.5	1961.4	1213.0
67.5°	1122.6	1127.7	1192.6	1360.6	1309.7	1183.7	1141.7	1162.1	680.9	313.1	202.4
70°	663.1	666.9	726.8	952.0	1062.8	908.8	771.3	759.9	269.8	84.0	91.6
72.5°	375.5	367.8	379.3	453.1	579.1	482.4	397.1	361.5	81.5	47.1	47.1
75°	178.2	173.1	148.9	140.0	127.3	81.5	50.9	43.3	20.4	19.1	19.1
77.5°	1.3	3.8	2.5	3.8	3.8	2.5	1.3	1.3	3.8	3.8	5.1
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°	4555.3	4555.3	4555.3	4555.3	4555.3	4555.3	4555.3	4555.3	4555.3	4555.3	4555.3
2.5°	4526.0	4487.9	4479.0	4476.4	4440.8	4402.6	4363.1	4347.9	4324.9	4310.9	4322.4
5°	4440.8	4386.0	4337.7	4293.1	4214.2	4127.7	4052.6	4004.2	3958.4	3927.8	3935.5
7.5°	4319.9	4248.6	4137.8	4024.6	3879.5	3749.6	3604.5	3515.5	3432.7	3386.9	3408.5
10°	4191.3	4097.1	3920.2	3728.0	3500.2	3296.5	3089.1	2919.8	2821.8	2728.9	2739.0
12.5°	4065.3	3940.6	3675.8	3384.4	3096.7	2796.3	2483.2	2249.0	2088.7	1972.8	1955.0
15°	3948.2	3787.8	3437.8	3053.4	2661.4	2261.8	1862.1	1527.4	1341.5	1227.0	1219.3
17.5°	3843.8	3645.3	3190.9	2707.2	2215.9	1704.3	1244.8	994.1	887.1	837.5	832.4
20°	3743.3	3501.4	2938.9	2355.9	1729.7	1196.4	859.1	743.3	708.9	688.6	691.1
22.5°	3646.5	3344.9	2674.1	1966.5	1297.0	840.0	665.7	621.1	617.3	619.8	621.1
25°	3565.1	3201.1	2401.8	1591.0	925.3	640.2	556.2	543.5	554.9	571.5	574.0
27.5°	3523.1	3084.0	2135.7	1213.0	669.5	520.6	482.4	487.5	507.8	525.7	528.2
30°	3534.5	2996.2	1860.8	879.5	515.5	439.1	426.4	436.6	456.9	473.5	476.0
32.5°	3616.0	2951.6	1579.5	640.2	423.8	383.1	378.0	385.7	403.5	416.2	417.5
35°	3777.6	2961.8	1312.2	490.0	364.0	341.1	339.8	344.9	353.8	362.7	364.0
37.5°	4015.7	3044.5	1048.8	407.3	329.7	313.1	308.0	308.0	314.4	318.2	320.7
40°	4271.5	3169.3	840.0	360.2	305.5	287.7	277.5	273.7	278.7	283.8	285.1
42.5°	4482.8	3294.0	682.2	327.1	286.4	262.2	249.5	246.9	253.3	262.2	264.7
45°	4644.4	3390.7	568.9	300.4	264.7	238.0	224.0	224.0	235.5	250.7	253.3
47.5°	4792.1	3468.4	484.9	276.2	244.4	216.4	202.4	204.9	224.0	244.4	248.2
50°	4892.6	3530.7	422.6	254.6	227.8	198.6	185.8	190.9	213.8	238.0	241.8
52.5°	5000.8	3607.1	381.8	235.5	212.6	184.6	173.1	176.9	202.4	229.1	234.2
55°	5299.9	3862.9	380.6	210.0	185.8	165.5	160.4	161.6	187.1	217.6	224.0
57.5°	5544.3	4088.2	406.0	176.9	155.3	145.1	142.6	143.8	166.7	201.1	208.7
60°	4587.1	3176.9	336.0	146.4	129.8	127.3	123.5	126.0	147.6	178.2	184.6
62.5°	2714.9	1816.3	160.4	112.0	110.7	108.2	104.4	109.5	129.8	156.6	160.4
65°	927.9	538.4	101.8	91.6	94.2	90.4	86.5	91.6	109.5	124.7	126.0
67.5°	178.2	142.6	81.5	76.4	77.6	70.0	68.7	73.8	84.0	86.5	85.3
70°	92.9	82.7	62.4	62.4	59.8	49.6	49.6	54.7	54.7	50.9	49.6
72.5°	48.4	45.8	40.7	45.8	38.2	30.5	30.5	33.1	30.5	25.5	25.5
75°	19.1	19.1	17.8	22.9	16.5	14.0	12.7	15.3	11.5	8.9	8.9
77.5°	5.1	5.1	5.1	6.4	3.8	3.8	2.5	2.5	1.3	0.0	0.0
80°	0.0	1.3	0.0	1.3	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)