

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: P635884

Luminaire Tested: GWS-SA3E-760-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635884
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-760-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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: 13028.1 lumens
Efficiency: N/A
Efficacy: 81.8 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

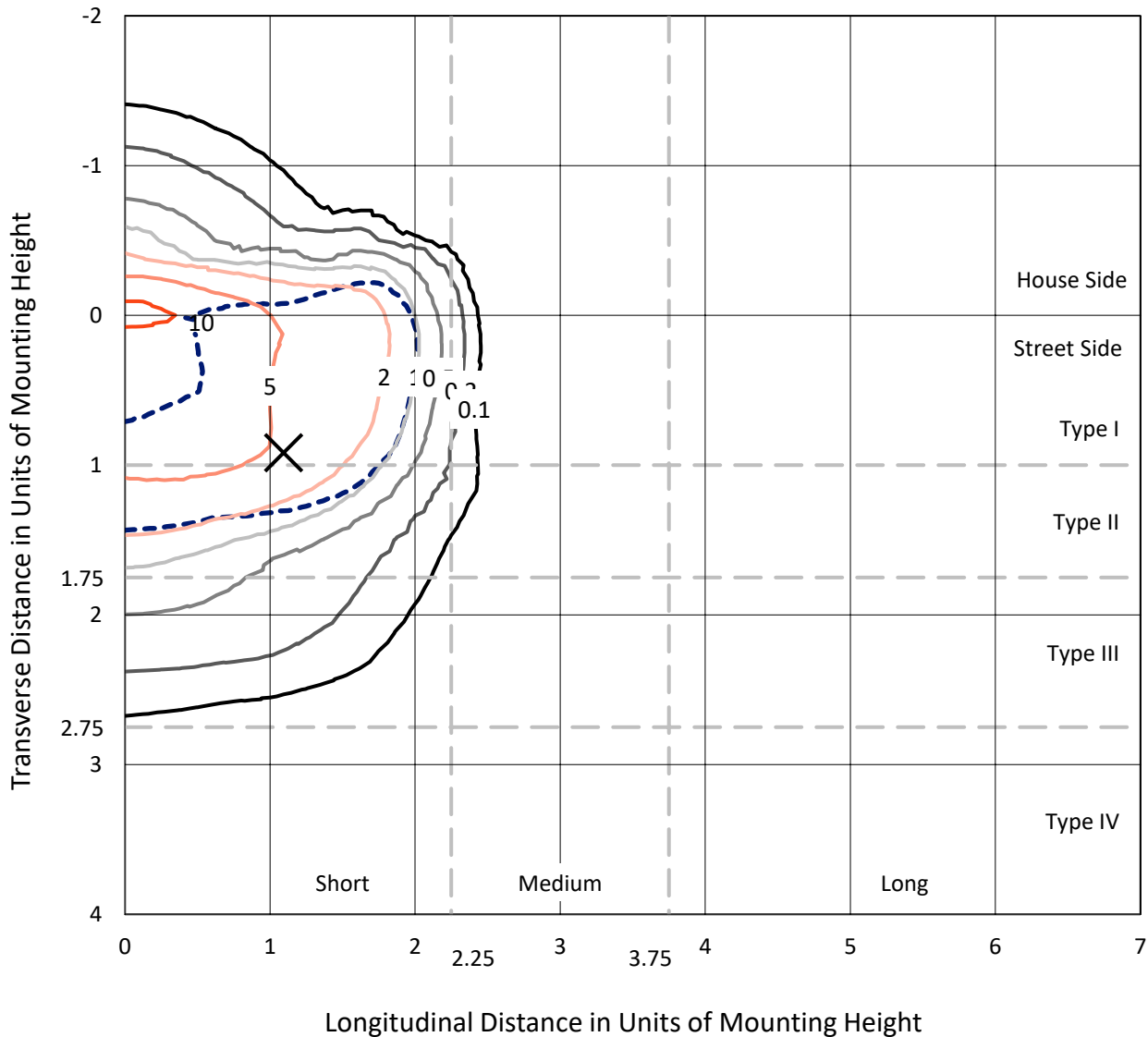
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

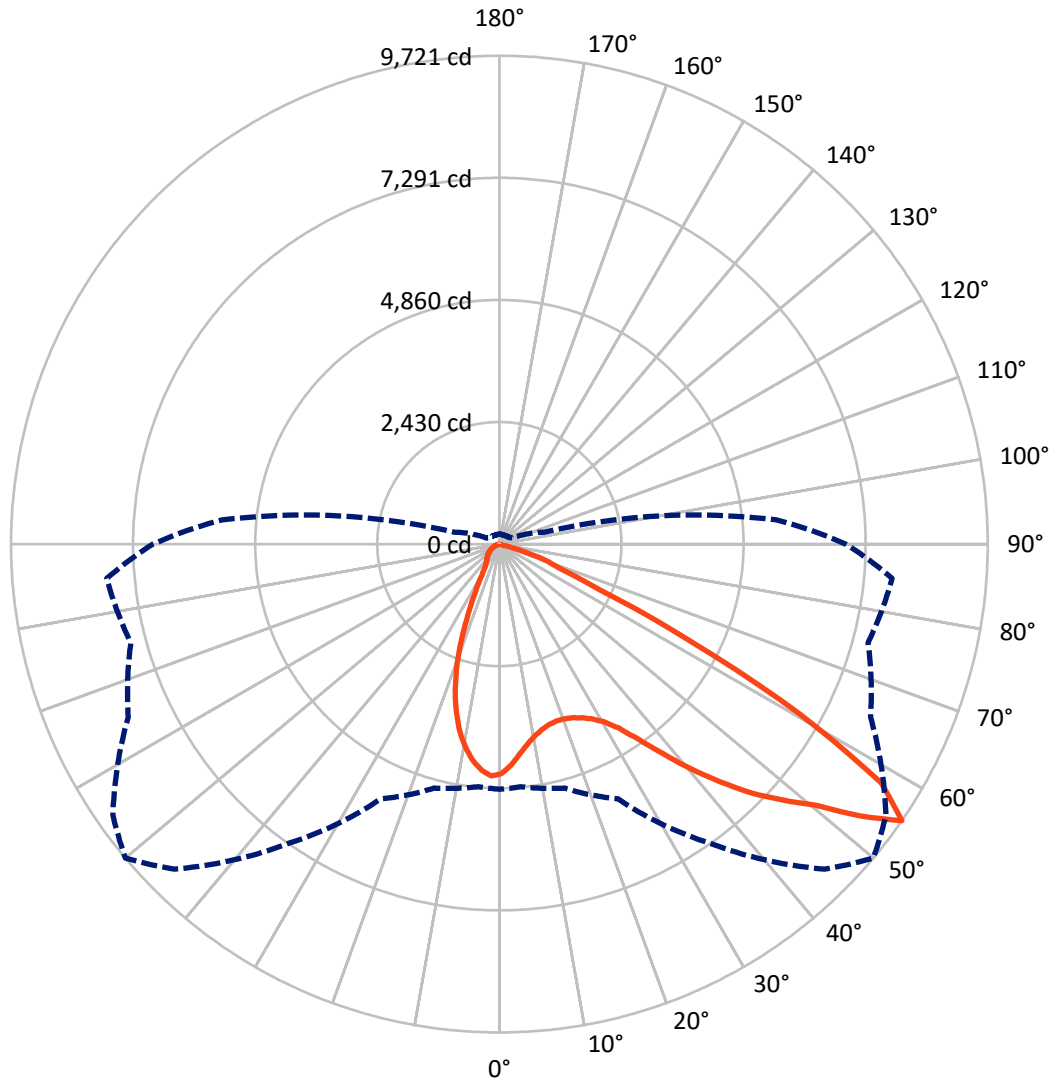
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2567.1	0.0	2567.1
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	10460.9	0.0	10460.9
	% Fixture	80.3	0.0	80.3
Total	Lumens	13028.1	0.0	13028.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.4	3.1
10°-20°	987.8	7.6
20°-30°	1393.4	10.7
30°-40°	2061.9	15.8
40°-50°	2974.7	22.8
50°-60°	3508.9	26.9
60°-70°	1565.3	12.0
70°-80°	134.6	1.0
80°-90°	0.1	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°	13028.1	100.0
0°-180°	13028.1	100.0

Coefficient of Utilization



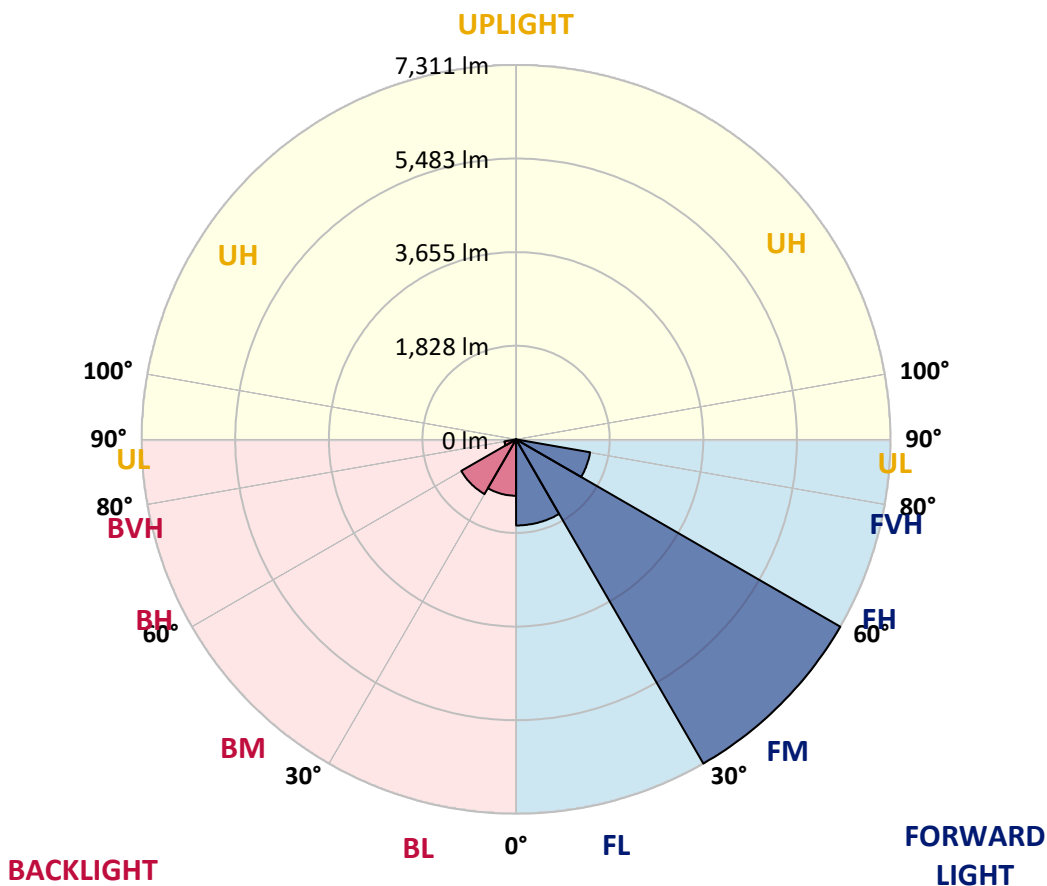
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1682.0	12.9			
FM (30°-60°)	7310.9	56.1			
FH (60°-80°)	1468.0	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1100.7	8.4	B3/2500		
BM (30°-60°)	1234.6	9.5	B2/2500		
BH (60°-80°)	231.8	1.8	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: B3-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4571.0	4571.0	4571.0	4571.0	4571.0	4571.0	4571.0	4571.0	4571.0	4571.0	4571.0
2.5°	4246.5	4249.7	4251.3	4294.2	4310.1	4373.8	4407.2	4424.7	4470.8	4524.9	4569.4
5°	3961.8	3957.1	3965.0	4019.1	4054.1	4147.9	4198.8	4233.8	4335.6	4462.8	4569.4
7.5°	3713.7	3723.3	3732.8	3791.7	3844.1	3945.9	4019.1	4071.6	4213.1	4402.4	4582.1
10°	3538.8	3538.8	3553.1	3619.9	3681.9	3807.6	3880.7	3947.5	4116.1	4348.3	4596.4
12.5°	3409.9	3411.5	3429.0	3505.4	3576.9	3707.4	3783.7	3848.9	4035.0	4294.2	4599.6
15°	3349.5	3344.7	3359.1	3440.2	3519.7	3642.2	3721.7	3785.3	3977.7	4264.0	4615.5
17.5°	3333.6	3330.4	3341.6	3421.1	3502.2	3621.5	3699.4	3763.0	3969.8	4273.6	4663.2
20°	3379.7	3373.4	3368.6	3437.0	3513.3	3631.0	3712.1	3783.7	4008.0	4326.1	4736.4
22.5°	3489.5	3489.5	3478.3	3511.7	3562.6	3669.2	3753.5	3847.3	4108.2	4431.0	4844.5
25°	3691.5	3675.6	3654.9	3669.2	3662.8	3729.6	3829.8	3960.2	4297.4	4604.4	4976.5
27.5°	3922.1	3936.4	3901.4	3903.0	3847.3	3823.5	3939.6	4136.8	4578.9	4849.3	5172.2
30°	4235.4	4224.3	4225.9	4221.1	4092.3	3979.3	4105.0	4367.4	4933.6	5223.1	5426.6
32.5°	4480.3	4496.2	4548.7	4578.9	4410.3	4229.0	4362.6	4680.7	5337.6	5649.3	5738.4
35°	4739.6	4768.2	4874.8	4973.4	4831.8	4623.5	4766.6	5095.8	5717.7	6070.8	6096.2
37.5°	5013.1	5070.4	5197.6	5371.0	5348.7	5164.2	5294.6	5584.1	6016.7	6325.3	6392.1
40°	5326.5	5382.1	5590.5	5840.2	5892.7	5851.3	5894.2	6062.8	6213.9	6336.4	6519.3
42.5°	5670.0	5746.3	6010.3	6344.3	6541.6	6578.1	6477.9	6460.4	6299.8	6209.2	6492.3
45°	6075.6	6164.6	6463.6	6896.2	7209.6	7258.9	7085.5	6861.2	6353.9	6115.3	6411.1
47.5°	6530.4	6614.7	6912.1	7432.2	7898.2	7917.3	7615.1	7254.1	6514.5	6223.5	6473.2
50°	6683.1	6735.6	6993.3	7604.0	8462.8	8609.2	8171.8	7696.2	6837.4	6541.6	6775.4
52.5°	6158.3	6178.9	6403.2	7020.3	8348.3	9288.3	8984.5	8356.3	7411.5	7026.7	7241.4
55°	4879.5	4846.1	5027.4	5593.6	7255.7	9149.9	9720.9	9393.3	8151.1	7596.0	7847.3
57.5°	3413.1	3373.4	3332.0	3715.3	5413.9	7756.7	8957.5	9538.0	8855.7	8160.6	8501.0
60°	2805.6	2767.4	2567.0	2390.5	3273.2	5569.8	6880.3	7973.0	8798.4	8132.0	8480.3
62.5°	2423.9	2401.6	2320.5	2080.3	1926.0	3179.3	4308.6	5355.1	6751.5	6385.7	6404.8
65°	1903.8	1897.4	1953.1	1978.5	1703.4	1759.0	2198.0	2783.3	3650.1	3441.8	3263.6
67.5°	1301.0	1286.7	1391.7	1711.3	1638.2	1388.5	1286.7	1297.8	1579.3	965.4	766.6
70°	827.0	793.6	795.2	1060.8	1332.8	1095.8	992.4	873.2	785.7	143.1	162.2
72.5°	529.6	508.9	437.4	478.7	617.1	534.4	539.2	464.4	310.1	76.3	89.1
75°	222.7	205.2	157.5	125.6	124.1	77.9	68.4	63.6	42.9	42.9	46.1
77.5°	1.6	0.0	0.0	1.6	3.2	1.6	1.6	3.2	6.4	9.5	11.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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°	4571.0	4571.0	4571.0	4571.0	4571.0	4571.0	4571.0	4571.0	4571.0	4571.0	4571.0
2.5°	4596.4	4558.3	4601.2	4617.1	4615.5	4617.1	4571.0	4539.2	4537.6	4497.8	4478.7
5°	4613.9	4583.7	4615.5	4594.8	4545.5	4483.5	4400.8	4329.2	4297.4	4251.3	4229.0
7.5°	4647.3	4615.5	4610.7	4528.0	4405.6	4275.2	4128.8	3998.4	3928.4	3844.1	3848.9
10°	4671.2	4634.6	4572.6	4404.0	4200.4	3992.1	3774.2	3580.1	3457.7	3344.7	3325.7
12.5°	4680.7	4626.6	4481.9	4227.4	3941.2	3669.2	3349.5	3072.8	2881.9	2734.0	2713.3
15°	4698.2	4610.7	4365.8	4014.3	3621.5	3236.6	2829.4	2450.9	2198.0	2027.8	2042.2
17.5°	4725.3	4593.2	4235.4	3775.8	3277.9	2734.0	2183.7	1749.5	1517.3	1418.7	1420.3
20°	4763.4	4572.6	4092.3	3513.3	2866.0	2166.2	1526.8	1199.2	1134.0	1130.8	1126.0
22.5°	4814.3	4551.9	3939.6	3225.5	2377.7	1517.3	1016.3	914.5	941.6	994.0	1003.6
25°	4874.8	4526.4	3769.4	2901.0	1844.9	995.6	761.8	745.9	811.1	881.1	897.0
27.5°	4968.6	4513.7	3575.4	2532.0	1294.6	714.1	623.5	633.0	691.9	750.7	765.0
30°	5127.6	4537.6	3363.8	2118.5	831.8	569.4	540.8	555.1	586.9	617.1	629.8
32.5°	5343.9	4607.6	3158.7	1666.8	593.2	494.6	488.3	496.2	508.9	526.4	531.2
35°	5596.8	4728.4	2947.1	1192.8	489.9	451.7	445.3	445.3	451.7	454.9	456.5
37.5°	5805.2	4855.7	2748.3	793.6	439.0	418.3	408.7	404.0	402.4	405.6	407.2
40°	5895.8	4908.2	2532.0	577.3	402.4	388.1	373.8	359.4	359.4	370.6	372.2
42.5°	5832.2	4849.3	2282.3	477.1	376.9	356.3	334.0	321.3	327.6	338.8	341.9
45°	5697.0	4704.6	2007.2	421.5	351.5	324.5	299.0	291.1	297.4	311.7	314.9
47.5°	5674.8	4609.2	1677.9	384.9	324.5	297.4	270.4	262.4	270.4	281.5	284.7
50°	5895.8	4691.9	1312.1	353.1	299.0	268.8	246.5	238.6	243.3	249.7	252.9
52.5°	6299.8	4998.8	1059.2	322.9	268.8	240.2	225.8	216.3	216.3	222.7	224.3
55°	6896.2	5534.8	914.5	287.9	233.8	217.9	205.2	195.6	195.6	198.8	200.4
57.5°	7583.3	6183.7	947.9	241.7	205.2	197.2	186.1	178.1	181.3	181.3	181.3
60°	7487.9	6136.0	1014.7	203.6	181.3	178.1	168.6	165.4	173.4	167.0	163.8
62.5°	5515.7	4238.6	531.2	167.0	155.9	152.7	146.3	152.7	163.8	146.3	140.0
65°	2678.3	2051.7	213.1	136.8	132.0	128.8	125.6	135.2	141.6	114.5	108.2
67.5°	629.8	512.1	138.4	116.1	109.7	103.4	106.6	108.2	103.4	77.9	74.8
70°	163.8	160.6	108.2	97.0	87.5	81.1	81.1	79.5	68.4	49.3	46.1
72.5°	89.1	87.5	77.9	73.2	60.4	54.1	55.7	49.3	38.2	28.6	27.0
75°	44.5	47.7	44.5	41.4	33.4	30.2	30.2	27.0	19.1	11.1	11.1
77.5°	9.5	11.1	11.1	9.5	8.0	6.4	6.4	8.0	3.2	0.0	0.0
80°	1.6	1.6	1.6	1.6	1.6	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)