

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: P635283

Luminaire Tested: GWS-SA3D-740-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635283
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-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: 10293.1 lumens
Efficiency: N/A
Efficacy: 85.2 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

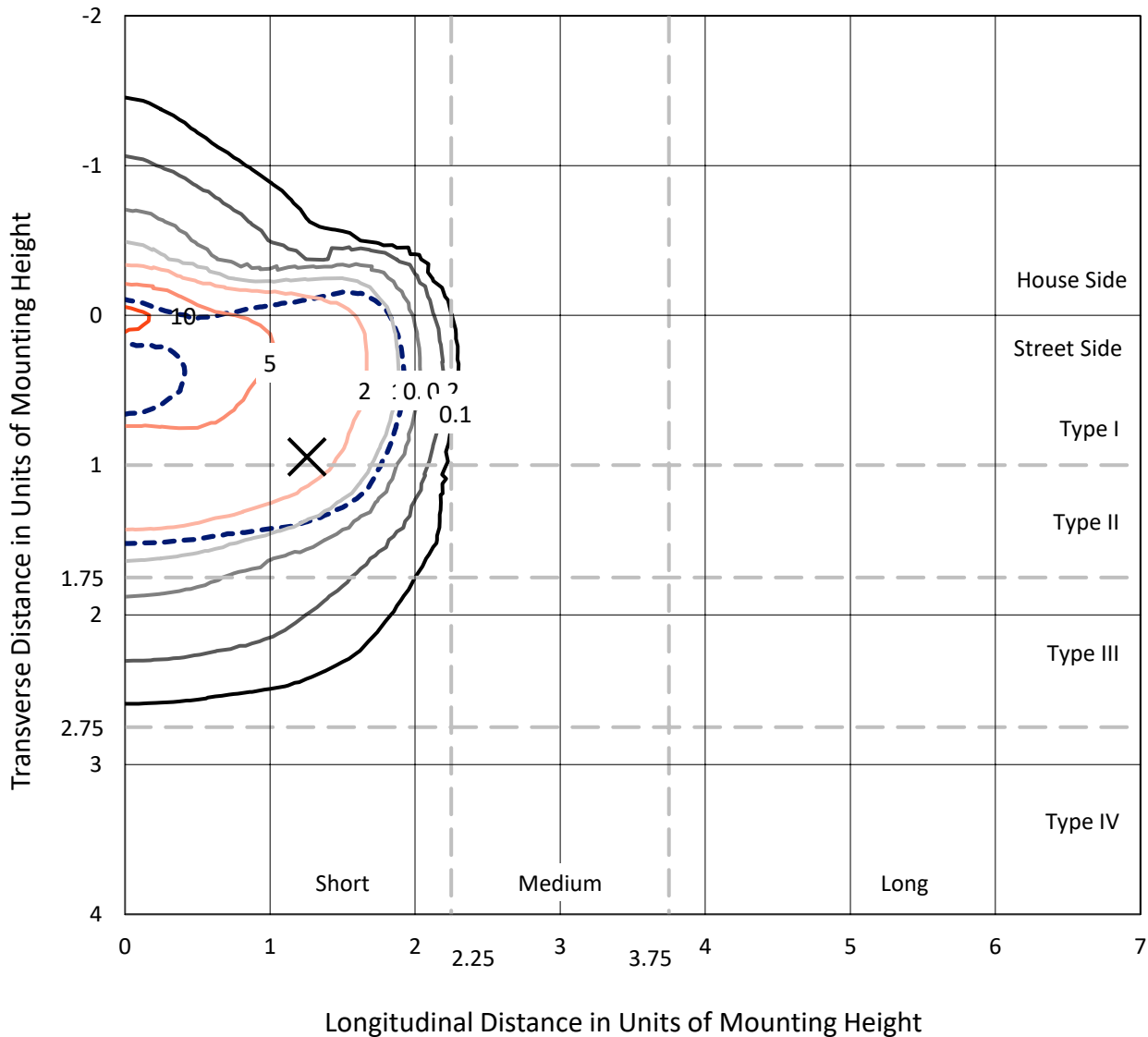
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

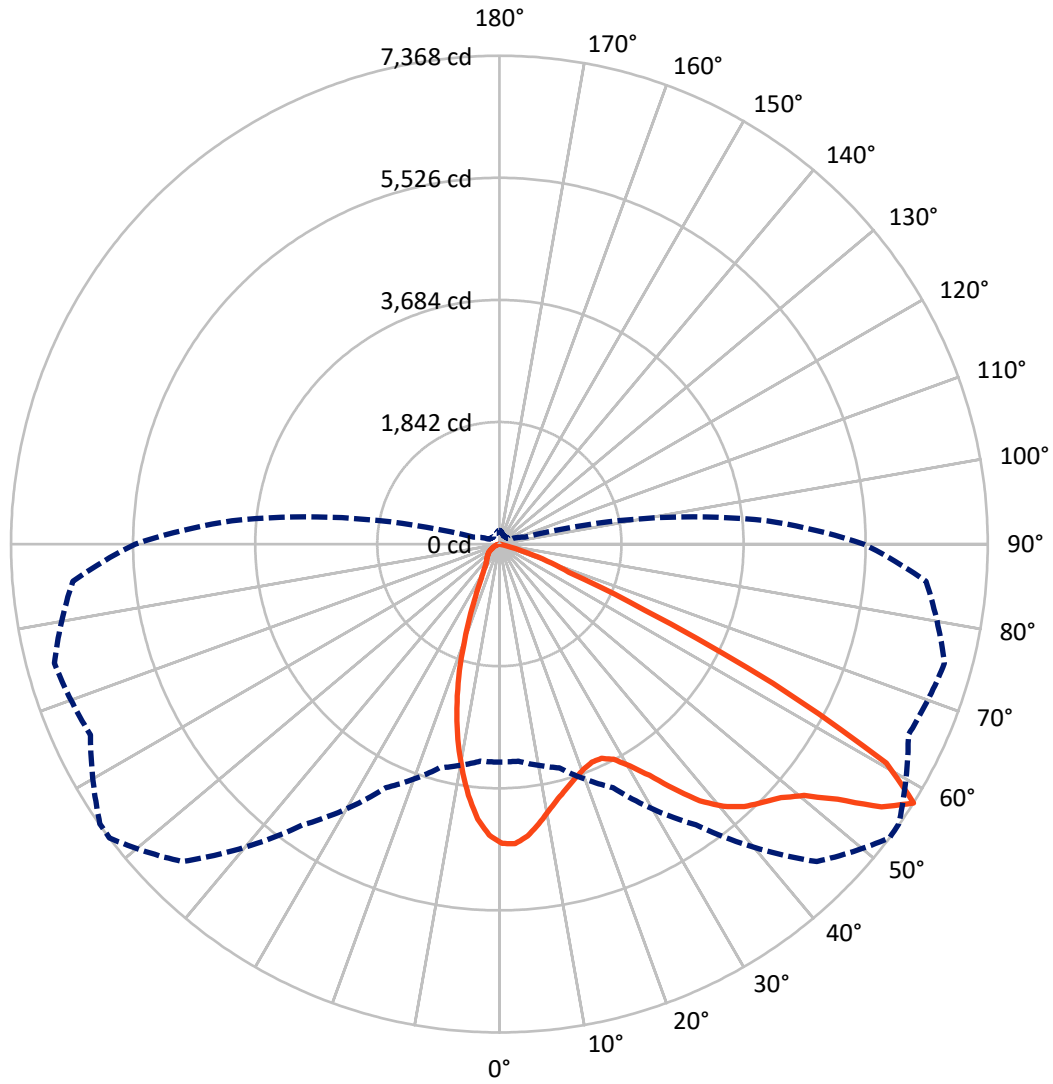
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.3 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	1700.3	0.0	1700.3
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	8592.8	0.0	8592.8
	% Fixture	83.5	0.0	83.5
Total	Lumens	10293.1	0.0	10293.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	386.3	3.8
10°-20°	848.1	8.2
20°-30°	1104.8	10.7
30°-40°	1602.6	15.6
40°-50°	2312.4	22.5
50°-60°	2796.6	27.2
60°-70°	1139.8	11.1
70°-80°	102.4	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°	10293.1	100.0
0°-180°	10293.1	100.0

Coefficient of Utilization



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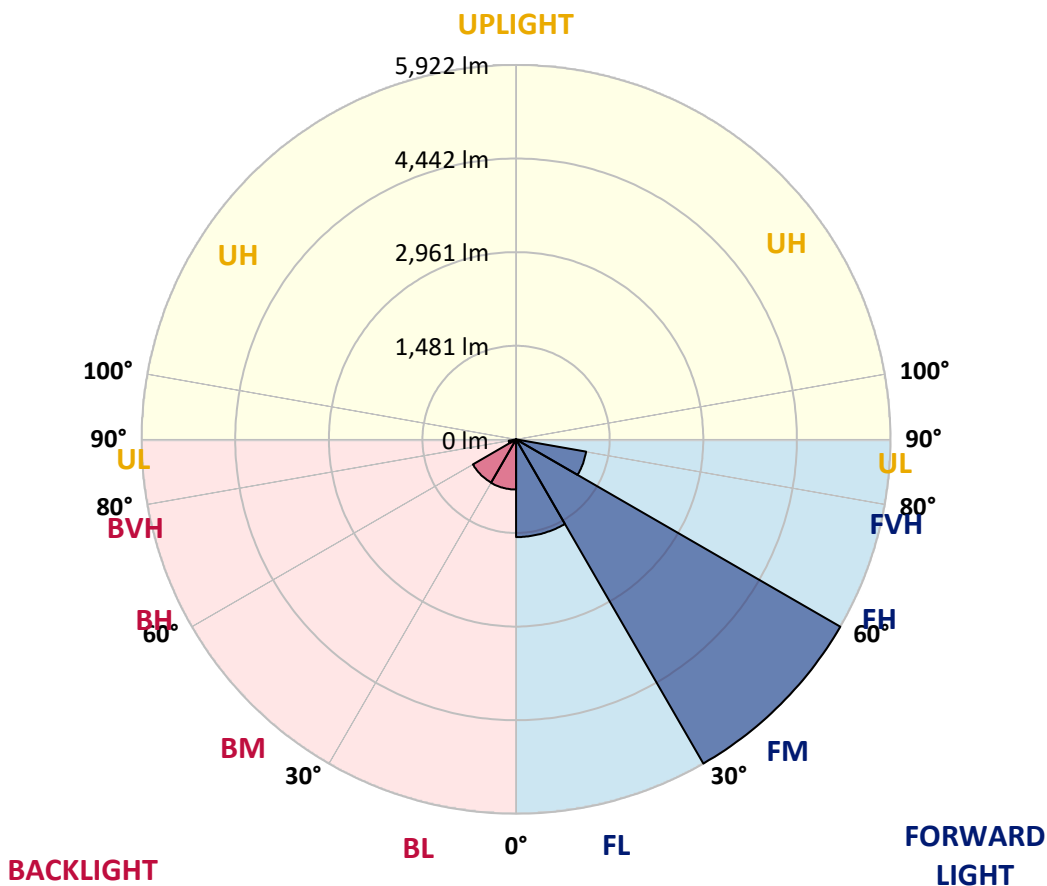
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1545.7	15.0			
FM (30°-60°)	5922.4	57.5			
FH (60°-80°)	1124.7	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	793.5	7.7	B2/1000		
BM (30°-60°)	789.2	7.7	B1/1000		
BH (60°-80°)	117.5	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°	4515.1	4515.1	4515.1	4515.1	4515.1	4515.1	4515.1	4515.1	4515.1	4515.1	4515.1
2.5°	4452.1	4462.2	4479.8	4502.5	4517.7	4525.2	4525.2	4546.7	4532.8	4521.4	4508.8
5°	4261.6	4271.7	4295.6	4332.2	4368.8	4395.3	4425.6	4448.3	4457.1	4457.1	4435.7
7.5°	3992.9	4006.7	4021.9	4072.3	4151.8	4211.1	4262.8	4295.6	4343.6	4358.7	4328.4
10°	3704.0	3717.8	3751.9	3821.3	3912.1	4000.4	4088.7	4130.4	4212.4	4255.3	4221.2
12.5°	3459.2	3465.5	3510.9	3594.2	3710.3	3831.4	3938.6	3981.5	4097.6	4161.9	4121.5
15°	3257.4	3261.1	3306.6	3398.7	3532.4	3681.2	3816.2	3860.4	4002.9	4100.1	4039.5
17.5°	3104.7	3106.0	3145.1	3244.7	3384.8	3550.0	3710.3	3764.5	3948.7	4066.0	3975.2
20°	3027.8	3024.0	3051.7	3138.8	3271.2	3436.5	3625.7	3692.6	3918.4	4061.0	3926.0
22.5°	3029.0	3020.2	3031.5	3093.4	3205.6	3360.8	3572.8	3648.4	3920.9	4082.4	3884.4
25°	3100.9	3088.3	3090.8	3123.6	3203.1	3344.4	3580.3	3661.1	3971.4	4154.3	3869.2
27.5°	3222.0	3208.2	3208.2	3224.6	3267.5	3396.1	3674.9	3767.0	4106.4	4294.4	3900.8
30°	3378.5	3364.6	3359.5	3375.9	3411.3	3529.9	3885.6	3981.5	4337.3	4524.0	4001.7
32.5°	3557.6	3541.2	3550.0	3572.8	3606.8	3770.8	4156.9	4284.3	4626.2	4833.1	4183.3
35°	3746.8	3733.0	3773.3	3822.5	3875.5	4105.1	4531.5	4642.6	4980.7	5217.8	4460.9
37.5°	3927.3	3920.9	4005.5	4108.9	4218.7	4506.3	4912.5	4998.3	5284.7	5636.7	4800.3
40°	4107.7	4106.4	4251.5	4433.1	4608.5	4906.2	5201.4	5272.1	5470.1	5962.2	5125.7
42.5°	4309.5	4309.5	4510.1	4752.3	4985.7	5244.3	5413.4	5444.9	5553.4	6150.1	5370.5
45°	4502.5	4513.9	4746.0	5027.3	5303.6	5508.0	5559.7	5562.2	5587.5	6261.1	5573.6
47.5°	4655.2	4665.3	4942.8	5267.0	5564.8	5708.6	5716.2	5704.8	5677.0	6367.1	5730.0
50°	4778.8	4793.9	5084.1	5427.3	5743.9	5901.6	5959.6	5948.3	5877.6	6480.7	5839.8
52.5°	4839.4	4860.8	5133.3	5506.7	5943.2	6232.1	6393.6	6420.1	6177.9	6543.7	5944.5
55°	4354.9	4386.5	4637.5	5148.4	6054.2	6743.1	6996.6	6991.6	6503.4	6731.7	6199.3
57.5°	3288.9	3286.4	3494.5	4053.4	5171.2	6772.1	7367.5	7357.4	6807.4	6950.0	6460.5
60°	2239.3	2224.1	2279.6	2549.6	3615.6	5516.8	6705.2	6841.5	6591.7	6420.1	5485.3
62.5°	1843.1	1829.3	1811.6	1737.2	2076.5	3436.5	4632.5	4839.4	4806.6	4462.2	3440.3
65°	1508.8	1520.2	1569.4	1537.8	1444.5	1762.4	2404.5	2526.9	2309.9	1944.1	1202.3
67.5°	1112.7	1117.7	1182.1	1348.6	1298.2	1173.3	1131.6	1151.8	674.9	310.3	200.6
70°	657.3	661.1	720.4	943.7	1053.4	900.8	764.5	753.2	267.5	83.3	90.8
72.5°	372.2	364.6	375.9	449.1	574.0	478.1	393.6	358.3	80.7	46.7	46.7
75°	176.6	171.6	147.6	138.8	126.2	80.7	50.5	42.9	20.2	18.9	18.9
77.5°	1.3	3.8	2.5	3.8	3.8	2.5	1.3	1.3	3.8	3.8	5.0
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°	4515.1	4515.1	4515.1	4515.1	4515.1	4515.1	4515.1	4515.1	4515.1	4515.1	4515.1
2.5°	4486.1	4448.3	4439.4	4436.9	4401.6	4363.8	4324.6	4309.5	4286.8	4272.9	4284.3
5°	4401.6	4347.4	4299.4	4255.3	4177.0	4091.3	4016.8	3968.9	3923.5	3893.2	3900.8
7.5°	4281.8	4211.1	4101.3	3989.1	3845.2	3716.6	3572.8	3484.4	3402.4	3357.0	3378.5
10°	4154.3	4061.0	3885.6	3695.1	3469.3	3267.5	3061.8	2894.0	2796.9	2704.8	2714.9
12.5°	4029.4	3905.8	3643.4	3354.5	3069.4	2771.7	2461.3	2229.2	2070.2	1955.4	1937.8
15°	3913.4	3754.4	3407.5	3026.5	2637.9	2241.8	1845.7	1513.9	1329.7	1216.1	1208.6
17.5°	3809.9	3613.1	3162.7	2683.3	2196.4	1689.2	1233.8	985.3	879.3	830.1	825.1
20°	3710.3	3470.6	2913.0	2335.2	1714.5	1185.9	851.6	736.8	702.7	682.5	685.0
22.5°	3614.4	3315.4	2650.5	1949.1	1285.5	832.6	659.8	615.6	611.9	614.4	615.6
25°	3533.6	3172.8	2380.6	1577.0	917.2	634.6	551.3	538.7	550.0	566.4	569.0
27.5°	3492.0	3056.8	2116.9	1202.3	663.6	516.0	478.1	483.2	503.4	521.0	523.5
30°	3503.4	2969.7	1844.4	871.7	510.9	435.2	422.6	432.7	452.9	469.3	471.8
32.5°	3584.1	2925.6	1565.6	634.6	420.1	379.7	374.7	382.3	399.9	412.5	413.8
35°	3744.3	2935.7	1300.7	485.7	360.8	338.1	336.8	341.9	350.7	359.5	360.8
37.5°	3980.2	3017.7	1039.5	403.7	326.7	310.3	305.3	305.3	311.6	315.4	317.9
40°	4233.8	3141.3	832.6	357.0	302.8	285.1	275.0	271.2	276.3	281.3	282.6
42.5°	4443.2	3264.9	676.2	324.2	283.9	259.9	247.3	244.7	251.1	259.9	262.4
45°	4603.4	3360.8	563.9	297.7	262.4	235.9	222.0	222.0	233.4	248.5	251.1
47.5°	4749.8	3437.8	480.7	273.8	242.2	214.5	200.6	203.1	222.0	242.2	246.0
50°	4849.5	3499.6	418.8	252.3	225.8	196.8	184.2	189.2	211.9	235.9	239.7
52.5°	4956.7	3575.3	378.5	233.4	210.7	182.9	171.6	175.4	200.6	227.1	232.1
55°	5253.2	3828.8	377.2	208.2	184.2	164.0	159.0	160.2	185.5	215.7	222.0
57.5°	5495.4	4052.1	402.4	175.4	153.9	143.8	141.3	142.6	165.3	199.3	206.9
60°	4546.7	3148.9	333.1	145.1	128.7	126.2	122.4	124.9	146.3	176.6	182.9
62.5°	2690.9	1800.3	159.0	111.0	109.8	107.2	103.4	108.5	128.7	155.2	159.0
65°	919.7	533.6	100.9	90.8	93.4	89.6	85.8	90.8	108.5	123.6	124.9
67.5°	176.6	141.3	80.7	75.7	77.0	69.4	68.1	73.2	83.3	85.8	84.5
70°	92.1	82.0	61.8	61.8	59.3	49.2	49.2	54.2	54.2	50.5	49.2
72.5°	47.9	45.4	40.4	45.4	37.8	30.3	30.3	32.8	30.3	25.2	25.2
75°	18.9	18.9	17.7	22.7	16.4	13.9	12.6	15.1	11.4	8.8	8.8
77.5°	5.0	5.0	5.0	6.3	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)