

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: P635228

Luminaire Tested: GWS-SA3D-735-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635228
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10152 lumens
Efficiency: N/A
Efficacy: 84.0 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

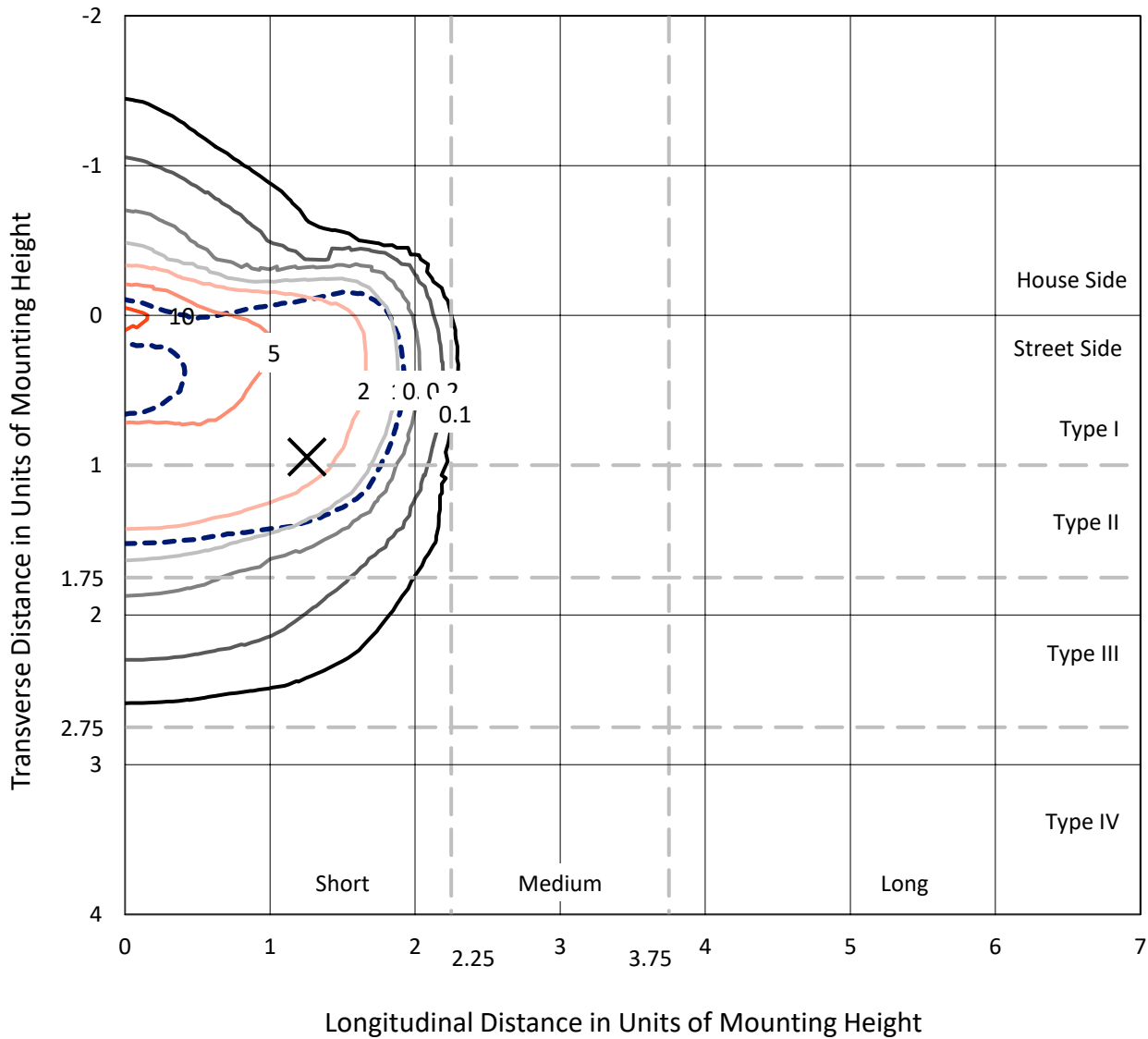
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635228
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Iso-Footcandle Lines of Horizontal Illumination

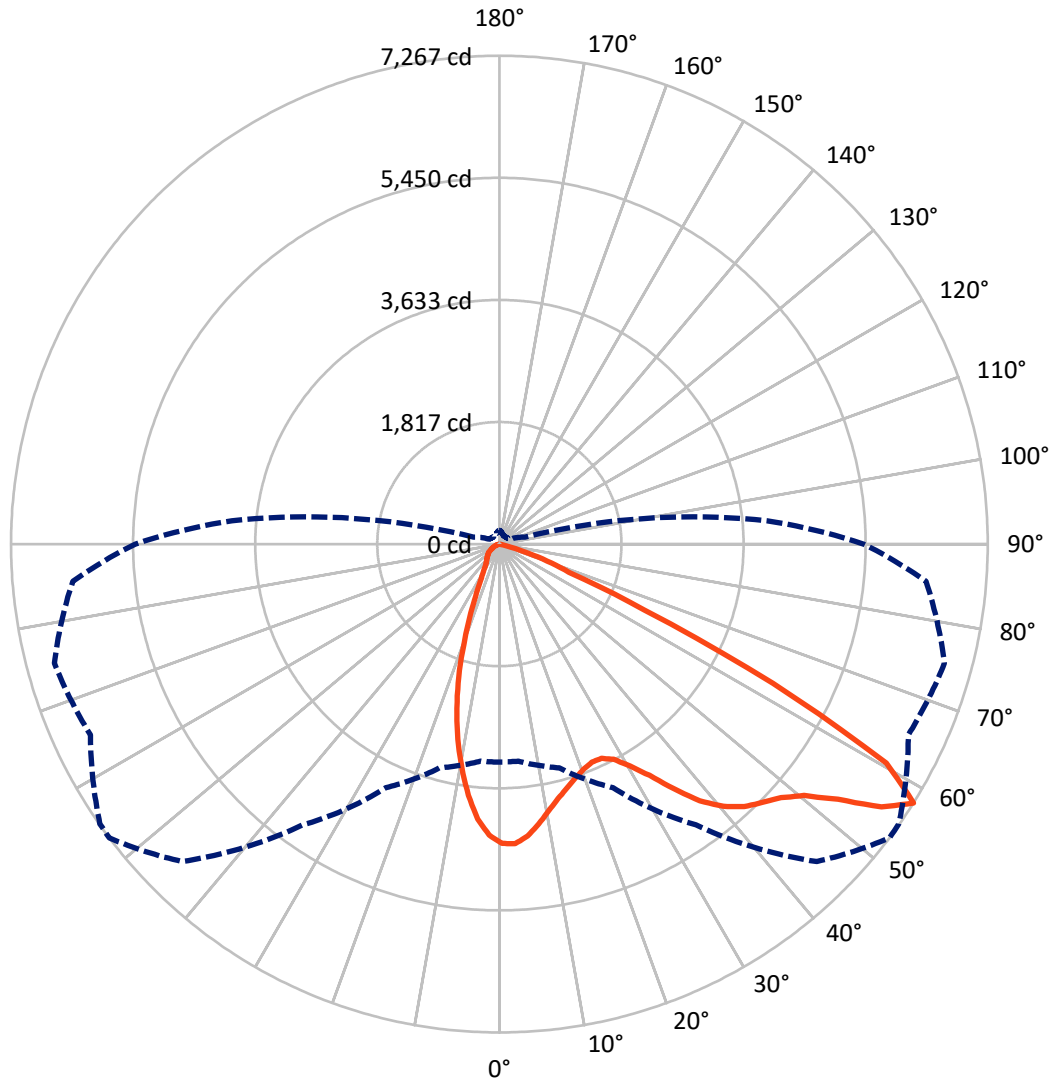
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.1 fc
 Type II - Short - N/A

REPORT NUMBER: P635228
CATALOG NUMBER: GWS-SA3D-735-U-SL3-W-GRSBK

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	1677.0	0.0	1677.0
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	8475.0	0.0	8475.0
	% Fixture	83.5	0.0	83.5
Total	Lumens	10152.0	0.0	10152.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.0	3.8
10°-20°	836.5	8.2
20°-30°	1089.7	10.7
30°-40°	1580.6	15.6
40°-50°	2280.7	22.5
50°-60°	2758.3	27.2
60°-70°	1124.2	11.1
70°-80°	101.0	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°	10152.0	100.0
0°-180°	10152.0	100.0

Coefficient of Utilization



REPORT NUMBER: P635228

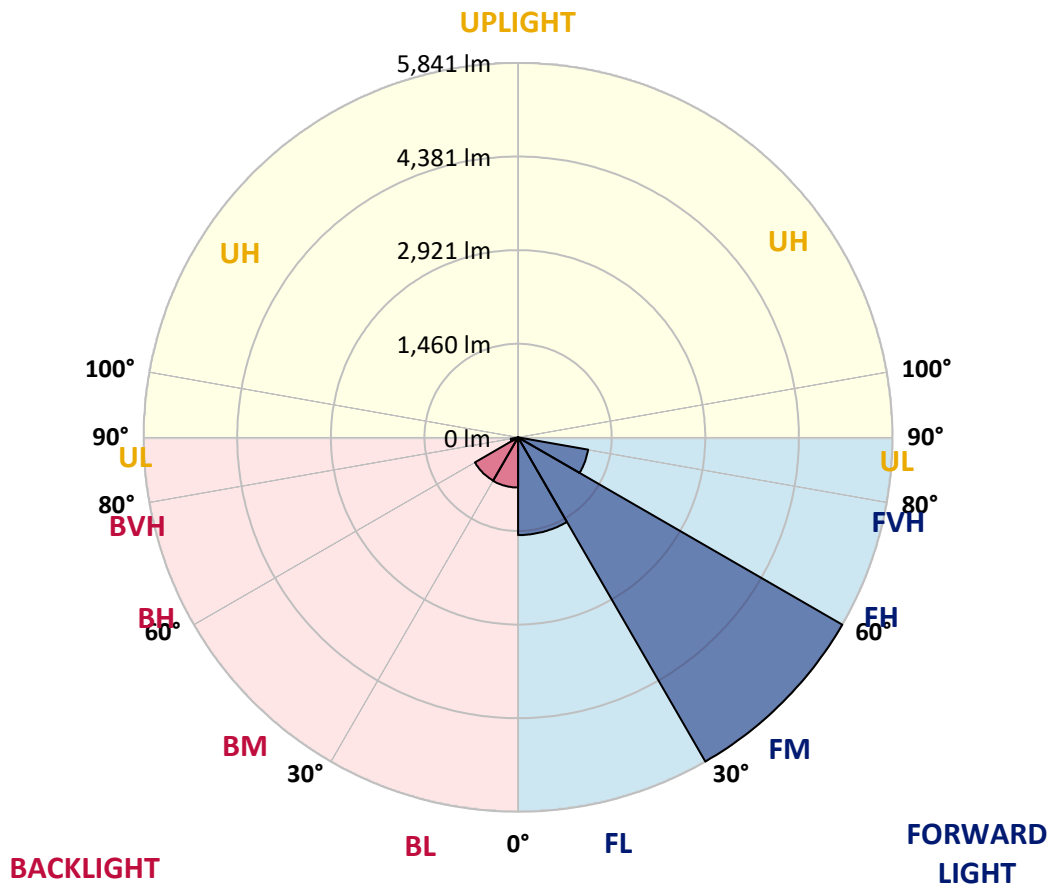
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1524.5	15.0			
FM (30°-60°)	5841.3	57.5			
FH (60°-80°)	1109.3	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	782.7	7.7	B2/1000		
BM (30°-60°)	778.4	7.7	B1/1000		
BH (60°-80°)	115.9	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





REPORT NUMBER: P635228

CATALOG NUMBER: GWS-SA3D-735-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	4453.2	4453.2	4453.2	4453.2	4453.2	4453.2	4453.2	4453.2	4453.2	4453.2	4453.2
2.5°	4391.0	4401.0	4418.4	4440.8	4455.7	4463.2	4463.2	4484.4	4470.7	4459.5	4447.0
5°	4203.1	4213.1	4236.7	4272.8	4308.9	4335.0	4364.9	4387.3	4396.0	4396.0	4374.9
7.5°	3938.1	3951.8	3966.7	4016.5	4094.9	4153.4	4204.4	4236.7	4284.0	4299.0	4269.1
10°	3653.2	3666.9	3700.5	3768.9	3858.5	3945.6	4032.7	4073.7	4154.6	4196.9	4163.3
12.5°	3411.8	3418.0	3462.8	3544.9	3659.4	3778.9	3884.6	3926.9	4041.4	4104.9	4065.0
15°	3212.7	3216.4	3261.2	3352.1	3484.0	3630.8	3763.9	3807.5	3948.1	4043.9	3984.2
17.5°	3062.2	3063.4	3102.0	3200.3	3338.4	3501.4	3659.4	3712.9	3894.6	4010.3	3920.7
20°	2986.3	2982.5	3009.9	3095.7	3226.4	3389.4	3576.0	3642.0	3864.7	4005.3	3872.2
22.5°	2987.5	2978.8	2990.0	3051.0	3161.7	3314.7	3523.8	3598.4	3867.2	4026.5	3831.1
25°	3058.4	3046.0	3048.5	3080.8	3159.2	3298.6	3531.2	3610.9	3917.0	4097.4	3816.2
27.5°	3177.9	3164.2	3164.2	3180.4	3222.7	3349.6	3624.6	3715.4	4050.1	4235.5	3847.3
30°	3332.2	3318.5	3313.5	3329.7	3364.5	3481.5	3832.4	3926.9	4277.8	4462.0	3946.8
32.5°	3508.8	3492.7	3501.4	3523.8	3557.4	3719.1	4099.9	4225.5	4562.7	4766.8	4126.0
35°	3695.5	3681.8	3721.6	3770.1	3822.4	4048.9	4469.4	4578.9	4912.4	5146.3	4399.7
37.5°	3873.4	3867.2	3950.6	4052.6	4160.8	4444.5	4845.2	4929.8	5212.3	5559.4	4734.5
40°	4051.3	4050.1	4193.2	4372.4	4545.3	4839.0	5130.1	5199.8	5395.2	5880.4	5055.5
42.5°	4250.4	4250.4	4448.3	4687.2	4917.4	5172.4	5339.2	5370.3	5477.3	6065.8	5296.9
45°	4440.8	4452.0	4680.9	4958.4	5230.9	5432.5	5483.5	5486.0	5510.9	6175.3	5497.2
47.5°	4591.4	4601.3	4875.1	5194.8	5488.5	5630.3	5637.8	5626.6	5599.2	6279.8	5651.5
50°	4713.3	4728.2	5014.4	5352.9	5665.2	5820.7	5877.9	5866.7	5797.1	6391.8	5759.7
52.5°	4773.0	4794.2	5062.9	5431.2	5861.8	6146.7	6306.0	6332.1	6093.2	6454.0	5863.0
55°	4295.2	4326.3	4573.9	5077.9	5971.3	6650.6	6900.7	6895.7	6414.2	6639.4	6114.3
57.5°	3243.8	3241.3	3446.6	3997.8	5100.3	6679.2	7266.5	7256.6	6714.1	6854.7	6371.9
60°	2208.6	2193.6	2248.4	2514.7	3566.1	5441.2	6613.3	6747.7	6501.3	6332.1	5410.1
62.5°	1817.9	1804.2	1786.8	1713.4	2048.1	3389.4	4569.0	4773.0	4740.7	4401.0	3393.1
65°	1488.1	1499.3	1547.9	1516.8	1424.7	1738.2	2371.6	2492.3	2278.3	1917.4	1185.8
67.5°	1097.4	1102.4	1165.9	1330.1	1280.4	1157.2	1116.1	1136.0	665.7	306.1	197.8
70°	648.3	652.0	710.5	930.7	1039.0	888.4	754.0	742.8	263.8	82.1	89.6
72.5°	367.1	359.6	370.8	443.0	566.1	471.6	388.2	353.4	79.6	46.0	46.0
75°	174.2	169.2	145.6	136.9	124.4	79.6	49.8	42.3	19.9	18.7	18.7
77.5°	1.2	3.7	2.5	3.7	3.7	2.5	1.2	1.2	3.7	3.7	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°	4453.2	4453.2	4453.2	4453.2	4453.2	4453.2	4453.2	4453.2	4453.2	4453.2	4453.2
2.5°	4424.6	4387.3	4378.6	4376.1	4341.3	4303.9	4265.4	4250.4	4228.0	4214.3	4225.5
5°	4341.3	4287.8	4240.5	4196.9	4119.8	4035.2	3961.8	3914.5	3869.7	3839.8	3847.3
7.5°	4223.1	4153.4	4045.1	3934.4	3792.5	3665.6	3523.8	3436.7	3355.8	3311.0	3332.2
10°	4097.4	4005.3	3832.4	3644.5	3421.7	3222.7	3019.8	2854.4	2758.5	2667.7	2677.7
12.5°	3974.2	3852.3	3593.5	3308.5	3027.3	2733.7	2427.6	2198.6	2041.8	1928.6	1911.2
15°	3859.7	3703.0	3360.8	2985.0	2601.8	2211.1	1820.4	1493.1	1311.5	1199.5	1192.0
17.5°	3757.7	3563.6	3119.4	2646.6	2166.3	1666.1	1216.9	971.8	867.3	818.7	813.8
20°	3659.4	3423.0	2873.0	2303.1	1691.0	1169.6	839.9	726.7	693.1	673.2	675.6
22.5°	3564.8	3269.9	2614.2	1922.4	1267.9	821.2	650.8	607.2	603.5	606.0	607.2
25°	3485.2	3129.3	2347.9	1555.3	904.6	625.9	543.7	531.3	542.5	558.7	561.2
27.5°	3444.1	3014.9	2087.9	1185.8	654.5	508.9	471.6	476.6	496.5	513.9	516.4
30°	3455.3	2929.0	1819.1	859.8	503.9	429.3	416.8	426.8	446.7	462.9	465.4
32.5°	3535.0	2885.5	1544.1	625.9	414.3	374.5	369.5	377.0	394.4	406.9	408.1
35°	3693.0	2895.4	1282.8	479.0	355.9	333.5	332.2	337.2	345.9	354.6	355.9
37.5°	3925.7	2976.3	1025.3	398.2	322.3	306.1	301.1	301.1	307.3	311.1	313.6
40°	4175.8	3098.2	821.2	352.1	298.6	281.2	271.3	267.5	272.5	277.5	278.7
42.5°	4382.3	3220.2	666.9	319.8	280.0	256.3	243.9	241.4	247.6	256.3	258.8
45°	4540.3	3314.7	556.2	293.6	258.8	232.7	219.0	219.0	230.2	245.1	247.6
47.5°	4684.7	3390.6	474.1	270.0	238.9	211.5	197.8	200.3	219.0	238.9	242.6
50°	4783.0	3451.6	413.1	248.9	222.7	194.1	181.7	186.6	209.0	232.7	236.4
52.5°	4888.7	3526.3	373.3	230.2	207.8	180.4	169.2	173.0	197.8	224.0	228.9
55°	5181.1	3776.4	372.0	205.3	181.7	161.8	156.8	158.0	182.9	212.8	219.0
57.5°	5420.0	3996.6	396.9	173.0	151.8	141.8	139.4	140.6	163.0	196.6	204.1
60°	4484.4	3105.7	328.5	143.1	126.9	124.4	120.7	123.2	144.3	174.2	180.4
62.5°	2654.0	1775.6	156.8	109.5	108.3	105.8	102.0	107.0	126.9	153.0	156.8
65°	907.1	526.3	99.5	89.6	92.1	88.3	84.6	89.6	107.0	121.9	123.2
67.5°	174.2	139.4	79.6	74.7	75.9	68.4	67.2	72.2	82.1	84.6	83.4
70°	90.8	80.9	61.0	61.0	58.5	48.5	48.5	53.5	53.5	49.8	48.5
72.5°	47.3	44.8	39.8	44.8	37.3	29.9	29.9	32.4	29.9	24.9	24.9
75°	18.7	18.7	17.4	22.4	16.2	13.7	12.4	14.9	11.2	8.7	8.7
77.5°	5.0	5.0	5.0	6.2	3.7	3.7	2.5	2.5	1.2	0.0	0.0
80°	0.0	1.2	0.0	1.2	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)