

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: P633743

Luminaire Tested: GWS-SA2F-735-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633743
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-SA2F-735-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9358.5 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

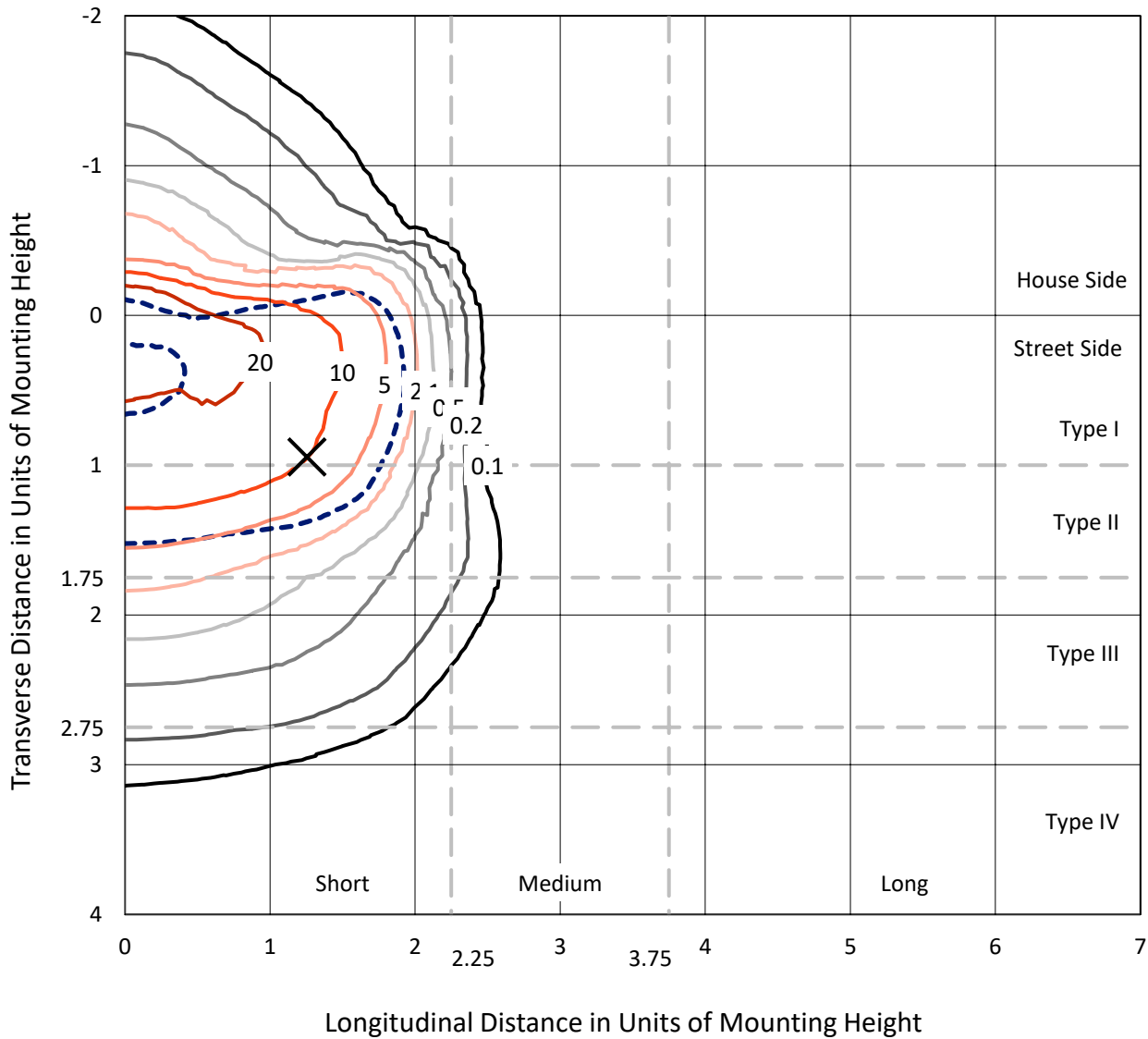
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

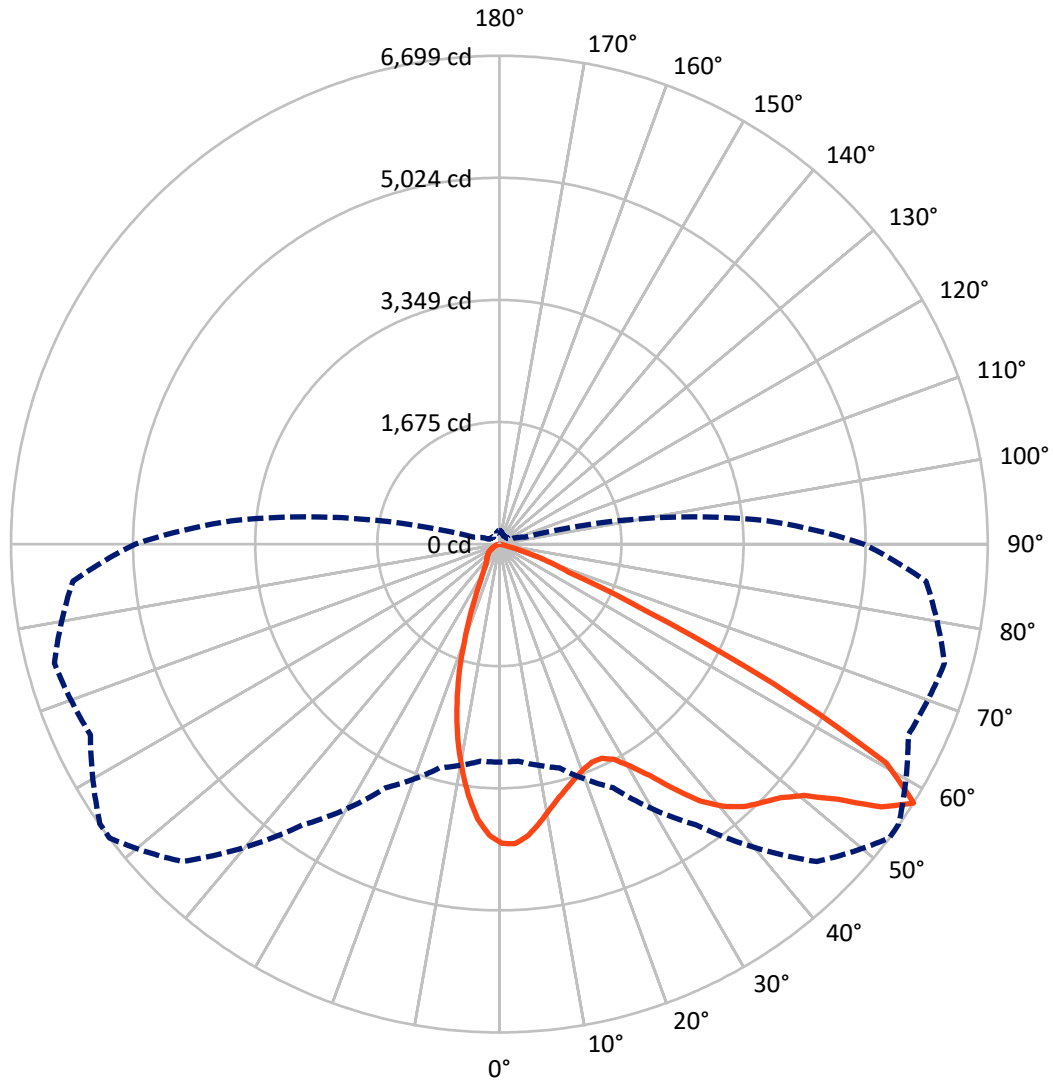
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 41.1 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	1545.9	0.0	1545.9
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	7812.6	0.0	7812.6
	% Fixture	83.5	0.0	83.5
Total	Lumens	9358.5	0.0	9358.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.2	3.8
10°-20°	771.1	8.2
20°-30°	1004.5	10.7
30°-40°	1457.1	15.6
40°-50°	2102.4	22.5
50°-60°	2542.7	27.2
60°-70°	1036.3	11.1
70°-80°	93.1	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°	9358.5	100.0
0°-180°	9358.5	100.0

Coefficient of Utilization



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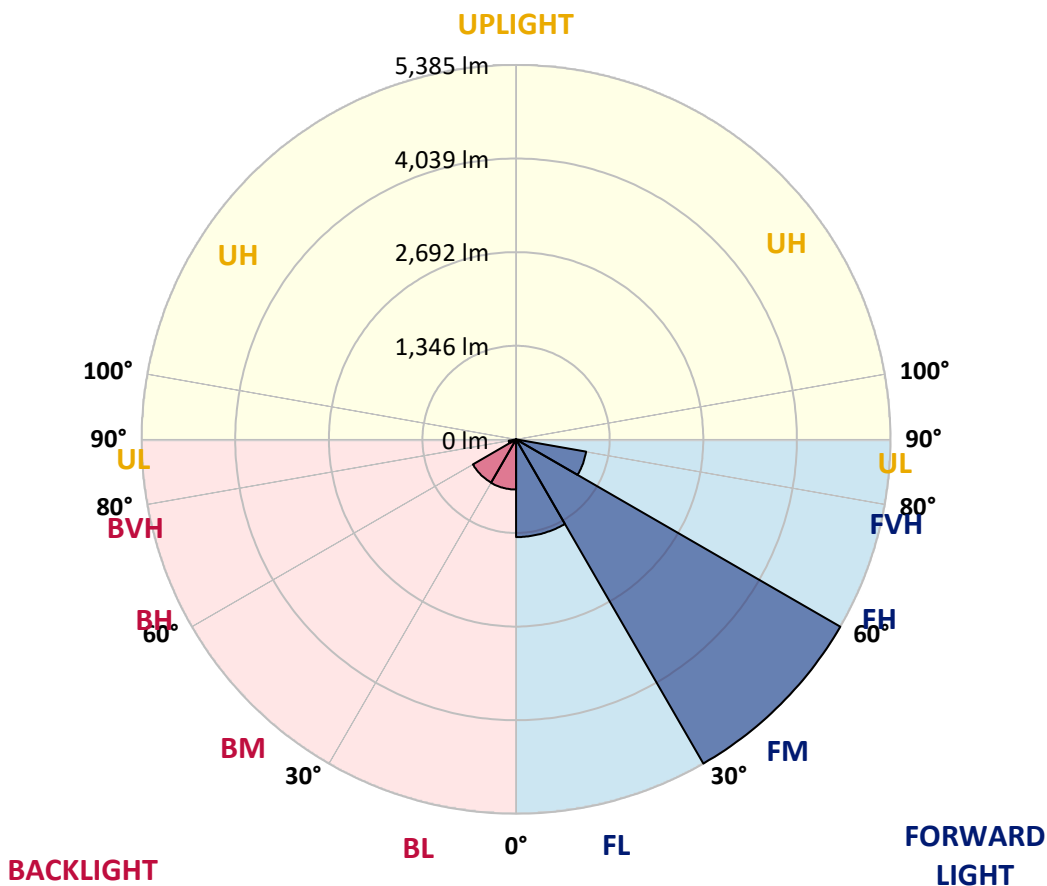
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1405.3	15.0			
FM (30°-60°)	5384.7	57.5			
FH (60°-80°)	1022.6	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	721.5	7.7	B2/1000		
BM (30°-60°)	717.5	7.7	B1/1000		
BH (60°-80°)	106.9	1.1	B0/110		G0/110
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°	4105.2	4105.2	4105.2	4105.2	4105.2	4105.2	4105.2	4105.2	4105.2	4105.2	4105.2
2.5°	4047.8	4057.0	4073.1	4093.7	4107.5	4114.3	4114.3	4133.8	4121.2	4110.9	4099.4
5°	3874.6	3883.8	3905.6	3938.9	3972.1	3996.2	4023.7	4044.4	4052.4	4052.4	4032.9
7.5°	3630.3	3642.9	3656.7	3702.6	3774.8	3828.7	3875.8	3905.6	3949.2	3962.9	3935.4
10°	3367.6	3380.3	3411.2	3474.3	3556.9	3637.2	3717.5	3755.3	3829.9	3868.9	3837.9
12.5°	3145.1	3150.9	3192.1	3267.8	3373.4	3483.5	3581.0	3620.0	3725.5	3784.0	3747.3
15°	2961.6	2965.0	3006.3	3090.1	3211.6	3347.0	3469.7	3509.9	3639.5	3727.8	3672.7
17.5°	2822.8	2824.0	2859.5	2950.1	3077.4	3227.7	3373.4	3422.7	3590.2	3696.8	3614.2
20°	2752.8	2749.4	2774.6	2853.8	2974.2	3124.5	3296.5	3357.3	3562.6	3692.2	3569.5
22.5°	2754.0	2746.0	2756.3	2812.5	2914.6	3055.7	3248.4	3317.2	3564.9	3711.7	3531.7
25°	2819.4	2807.9	2810.2	2840.0	2912.3	3040.7	3255.2	3328.6	3610.8	3777.1	3517.9
27.5°	2929.5	2916.9	2916.9	2931.8	2970.8	3087.8	3341.3	3425.0	3733.5	3904.4	3546.6
30°	3071.7	3059.1	3054.5	3069.4	3101.5	3209.4	3532.8	3620.0	3943.4	4113.2	3638.3
32.5°	3234.6	3219.7	3227.7	3248.4	3279.3	3428.4	3779.4	3895.3	4206.1	4394.2	3803.5
35°	3406.6	3394.0	3430.7	3475.5	3523.6	3732.4	4120.1	4221.0	4528.4	4744.1	4055.8
37.5°	3570.7	3564.9	3641.8	3735.8	3835.6	4097.1	4466.5	4544.5	4804.9	5124.9	4364.4
40°	3734.7	3733.5	3865.4	4030.6	4190.1	4460.7	4729.1	4793.4	4973.5	5420.8	4660.3
42.5°	3918.2	3918.2	4100.6	4320.8	4533.0	4768.1	4921.8	4950.5	5049.2	5591.7	4882.8
45°	4093.7	4104.0	4315.1	4570.9	4822.1	5007.9	5054.9	5057.2	5080.1	5692.6	5067.5
47.5°	4232.5	4241.7	4494.0	4788.8	5059.5	5190.2	5197.1	5186.8	5161.6	5789.0	5209.7
50°	4344.9	4358.7	4622.5	4934.5	5222.4	5365.7	5418.5	5408.2	5343.9	5892.2	5309.5
52.5°	4400.0	4419.5	4667.2	5006.7	5403.6	5666.3	5813.1	5837.2	5616.9	5949.6	5404.7
55°	3959.5	3988.2	4216.4	4681.0	5504.5	6130.8	6361.4	6356.8	5912.9	6120.5	5636.4
57.5°	2990.3	2988.0	3177.2	3685.4	4701.6	6157.2	6698.6	6689.4	6189.3	6318.9	5873.9
60°	2036.0	2022.2	2072.7	2318.1	3287.3	5015.9	6096.4	6220.3	5993.2	5837.2	4987.2
62.5°	1675.8	1663.2	1647.1	1579.4	1888.0	3124.5	4211.8	4400.0	4370.1	4057.0	3127.9
65°	1371.8	1382.2	1426.9	1398.2	1313.3	1602.4	2186.2	2297.5	2100.2	1767.6	1093.1
67.5°	1011.7	1016.3	1074.8	1226.2	1180.3	1066.7	1028.9	1047.2	613.7	282.2	182.4
70°	597.6	601.0	654.9	858.0	957.8	819.0	695.1	684.8	243.2	75.7	82.6
72.5°	338.4	331.5	341.8	408.3	521.9	434.7	357.9	325.8	73.4	42.4	42.4
75°	160.6	156.0	134.2	126.2	114.7	73.4	45.9	39.0	18.4	17.2	17.2
77.5°	1.1	3.4	2.3	3.4	3.4	2.3	1.1	1.1	3.4	3.4	4.6
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°	4105.2	4105.2	4105.2	4105.2	4105.2	4105.2	4105.2	4105.2	4105.2	4105.2	4105.2
2.5°	4078.8	4044.4	4036.4	4034.1	4001.9	3967.5	3932.0	3918.2	3897.6	3884.9	3895.3
5°	4001.9	3952.6	3909.0	3868.9	3797.8	3719.8	3652.1	3608.5	3567.2	3539.7	3546.6
7.5°	3893.0	3828.7	3729.0	3626.9	3496.1	3379.1	3248.4	3168.1	3093.5	3052.2	3071.7
10°	3777.1	3692.2	3532.8	3359.6	3154.3	2970.8	2783.8	2631.3	2542.9	2459.2	2468.4
12.5°	3663.6	3551.2	3312.6	3049.9	2790.7	2520.0	2237.8	2026.8	1882.3	1777.9	1761.8
15°	3558.0	3413.5	3098.1	2751.7	2398.4	2038.2	1678.1	1376.4	1209.0	1105.7	1098.8
17.5°	3464.0	3285.1	2875.6	2439.7	1997.0	1535.9	1121.8	895.8	799.5	754.7	750.1
20°	3373.4	3155.4	2648.5	2123.1	1558.8	1078.2	774.2	669.9	638.9	620.5	622.8
22.5°	3286.2	3014.4	2409.9	1772.1	1168.8	757.0	599.9	559.7	556.3	558.6	559.7
25°	3212.8	2884.7	2164.4	1433.8	833.9	576.9	501.2	489.8	500.1	515.0	517.3
27.5°	3174.9	2779.2	1924.7	1093.1	603.3	469.1	434.7	439.3	457.7	473.7	476.0
30°	3185.3	2700.1	1676.9	792.6	464.5	395.7	384.3	393.4	411.8	426.7	429.0
32.5°	3258.7	2659.9	1423.4	576.9	382.0	345.3	340.7	347.5	363.6	375.1	376.2
35°	3404.3	2669.1	1182.6	441.6	328.0	307.4	306.3	310.8	318.9	326.9	328.0
37.5°	3618.8	2743.7	945.1	367.0	297.1	282.2	277.6	277.6	283.3	286.8	289.0
40°	3849.4	2856.1	757.0	324.6	275.3	259.2	250.0	246.6	251.2	255.8	256.9
42.5°	4039.8	2968.5	614.8	294.8	258.1	236.3	224.8	222.5	228.3	236.3	238.6
45°	4185.5	3055.7	512.7	270.7	238.6	214.5	201.9	201.9	212.2	226.0	228.3
47.5°	4318.5	3125.6	437.0	248.9	220.2	195.0	182.4	184.7	201.9	220.2	223.7
50°	4409.1	3181.8	380.8	229.4	205.3	178.9	167.5	172.1	192.7	214.5	217.9
52.5°	4506.6	3250.6	344.1	212.2	191.6	166.3	156.0	159.4	182.4	206.5	211.1
55°	4776.2	3481.2	343.0	189.3	167.5	149.1	144.5	145.7	168.6	196.1	201.9
57.5°	4996.4	3684.2	365.9	159.4	139.9	130.8	128.5	129.6	150.3	181.2	188.1
60°	4133.8	2863.0	302.8	131.9	117.0	114.7	111.3	113.6	133.1	160.6	166.3
62.5°	2446.6	1636.8	144.5	100.9	99.8	97.5	94.1	98.6	117.0	141.1	144.5
65°	836.2	485.2	91.8	82.6	84.9	81.4	78.0	82.6	98.6	112.4	113.6
67.5°	160.6	128.5	73.4	68.8	70.0	63.1	61.9	66.5	75.7	78.0	76.9
70°	83.7	74.6	56.2	56.2	53.9	44.7	44.7	49.3	49.3	45.9	44.7
72.5°	43.6	41.3	36.7	41.3	34.4	27.5	27.5	29.8	27.5	22.9	22.9
75°	17.2	17.2	16.1	20.6	14.9	12.6	11.5	13.8	10.3	8.0	8.0
77.5°	4.6	4.6	4.6	5.7	3.4	3.4	2.3	2.3	1.1	0.0	0.0
80°	0.0	1.1	0.0	1.1	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)