

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: P639294

Luminaire Tested: GWS-SA5B-750-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639294
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-SA5B-750-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10664.9 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

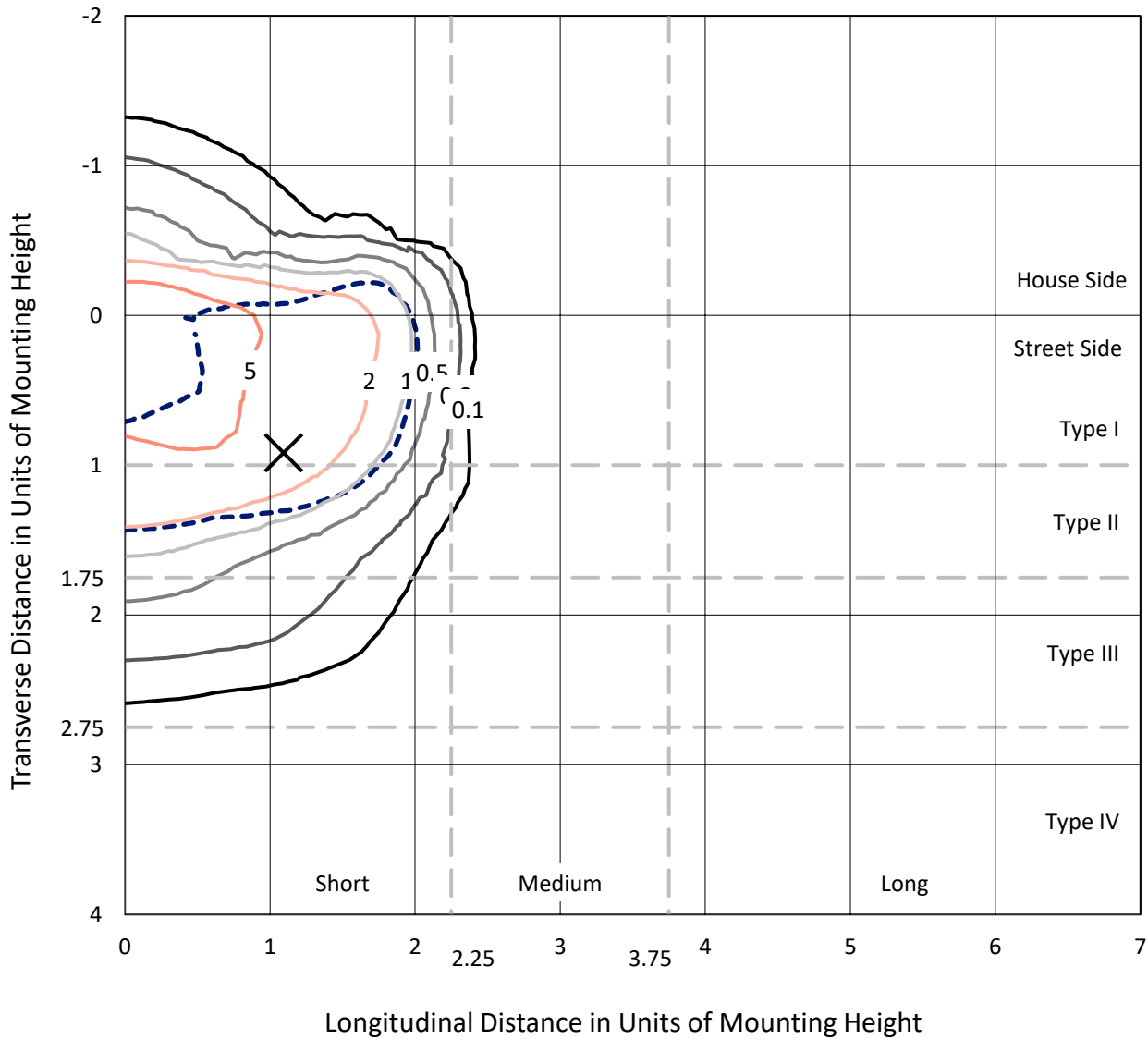
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

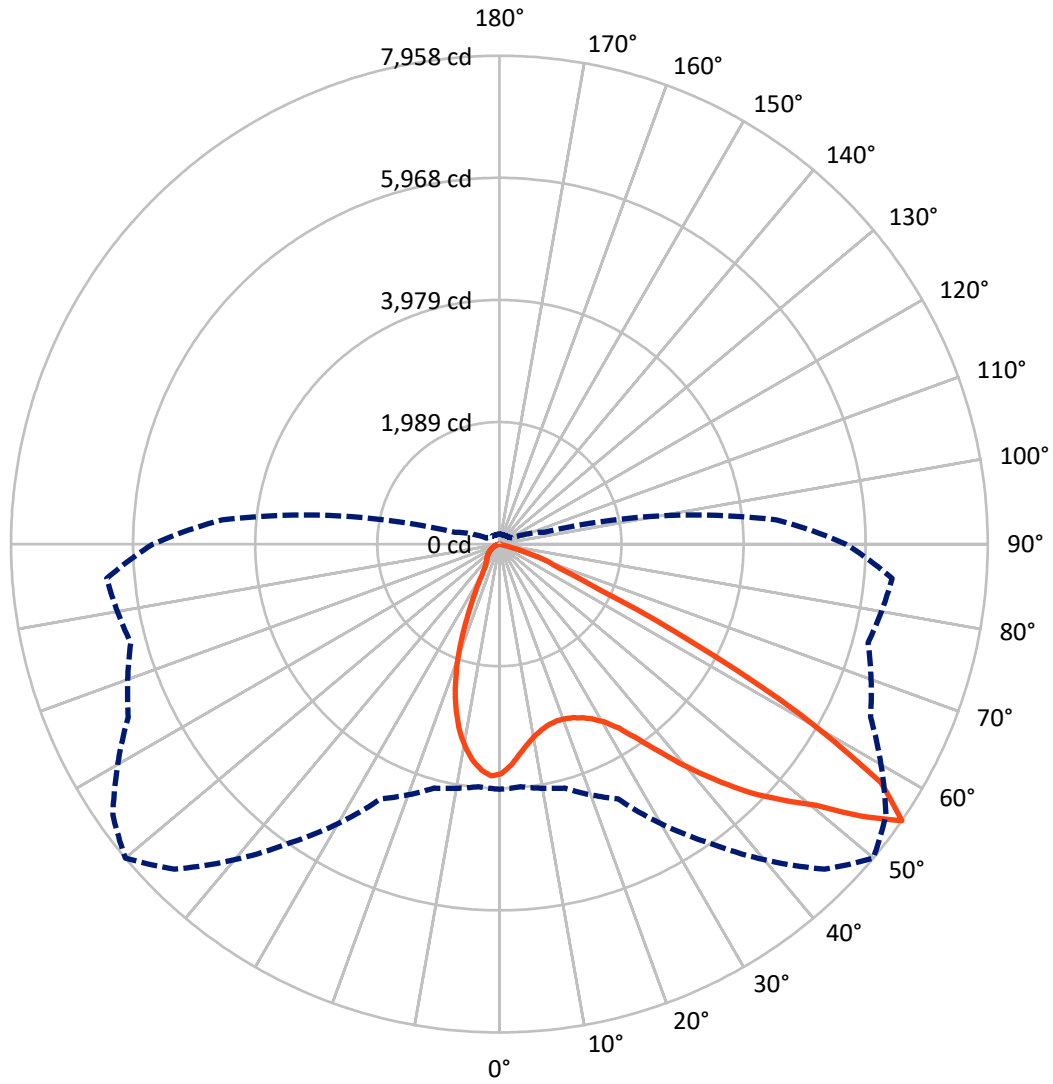
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.4 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	2101.5	0.0	2101.5
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	8563.4	0.0	8563.4
	% Fixture	80.3	0.0	80.3
Total	Lumens	10664.9	0.0	10664.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.6	3.1
10°-20°	808.7	7.6
20°-30°	1140.6	10.7
30°-40°	1687.9	15.8
40°-50°	2435.1	22.8
50°-60°	2872.4	26.9
60°-70°	1281.3	12.0
70°-80°	110.2	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°	10664.9	100.0
0°-180°	10664.9	100.0

Coefficient of Utilization



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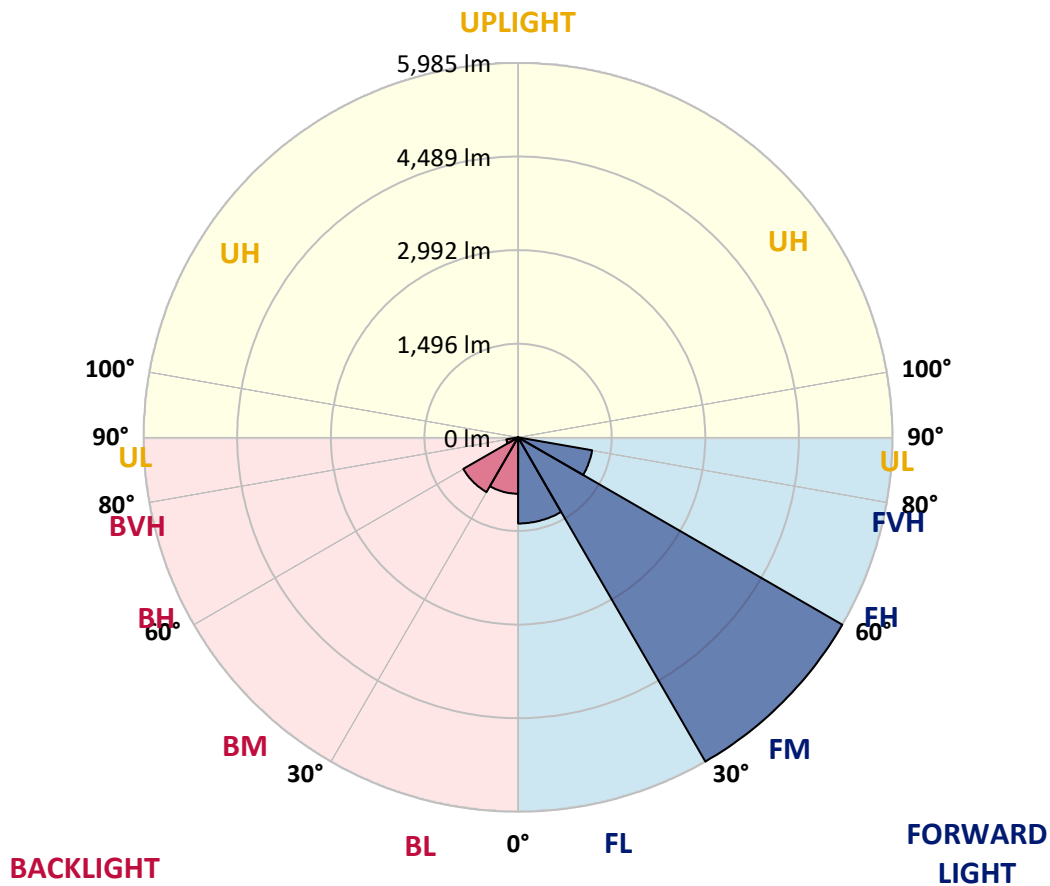
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1376.9	12.9			
FM (30°-60°)	5984.8	56.1			
FH (60°-80°)	1201.7	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	901.0	8.4	B2/1000		
BM (30°-60°)	1010.7	9.5	B2/2500		
BH (60°-80°)	189.7	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: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	3741.8	3741.8	3741.8	3741.8	3741.8	3741.8	3741.8	3741.8	3741.8	3741.8	3741.8
2.5°	3476.2	3478.8	3480.1	3515.3	3528.3	3580.4	3607.7	3622.1	3659.8	3704.1	3740.5
5°	3243.2	3239.3	3245.8	3290.1	3318.7	3395.5	3437.2	3465.8	3549.1	3653.3	3740.5
7.5°	3040.1	3047.9	3055.7	3103.9	3146.8	3230.2	3290.1	3333.0	3448.9	3603.8	3751.0
10°	2896.9	2896.9	2908.6	2963.3	3014.0	3116.9	3176.8	3231.5	3369.5	3559.6	3762.7
12.5°	2791.4	2792.7	2807.0	2869.5	2928.1	3034.9	3097.4	3150.7	3303.1	3515.3	3765.3
15°	2741.9	2738.0	2749.7	2816.1	2881.2	2981.5	3046.6	3098.7	3256.2	3490.6	3778.3
17.5°	2728.9	2726.3	2735.4	2800.5	2866.9	2964.6	3028.4	3080.4	3249.7	3498.4	3817.4
20°	2766.7	2761.5	2757.6	2813.5	2876.0	2972.4	3038.8	3097.4	3280.9	3541.3	3877.2
22.5°	2856.5	2856.5	2847.4	2874.7	2916.4	3003.6	3072.6	3149.4	3363.0	3627.3	3965.8
25°	3021.9	3008.8	2991.9	3003.6	2998.4	3053.1	3135.1	3241.9	3517.9	3769.2	4073.8
27.5°	3210.6	3222.4	3193.7	3195.0	3149.4	3129.9	3225.0	3386.4	3748.3	3969.7	4234.0
30°	3467.1	3458.0	3459.3	3455.4	3349.9	3257.5	3360.4	3575.2	4038.7	4275.6	4442.3
32.5°	3667.6	3680.6	3723.6	3748.3	3610.3	3461.9	3571.3	3831.7	4369.4	4624.6	4697.5
35°	3879.8	3903.3	3990.5	4071.2	3955.4	3784.8	3902.0	4171.5	4680.6	4969.6	4990.4
37.5°	4103.8	4150.7	4254.8	4396.7	4378.5	4227.5	4334.2	4571.2	4925.3	5177.9	5232.6
40°	4360.3	4405.8	4576.4	4780.8	4823.8	4789.9	4825.1	4963.1	5086.8	5187.0	5336.7
42.5°	4641.5	4704.0	4920.1	5193.5	5355.0	5384.9	5302.9	5288.6	5157.1	5082.9	5314.6
45°	4973.5	5046.4	5291.2	5645.3	5901.8	5942.2	5800.2	5616.7	5201.3	5006.0	5248.2
47.5°	5345.9	5414.9	5658.3	6084.1	6465.5	6481.2	6233.8	5938.3	5332.8	5094.6	5299.0
50°	5470.8	5513.8	5724.7	6224.7	6927.7	7047.5	6689.5	6300.2	5597.1	5355.0	5546.4
52.5°	5041.2	5058.1	5241.7	5746.9	6834.0	7603.5	7354.8	6840.5	6067.1	5752.1	5927.8
55°	3994.4	3967.1	4115.5	4579.0	5939.6	7490.2	7957.6	7689.4	6672.6	6218.2	6423.9
57.5°	2794.0	2761.5	2727.6	3041.4	4431.9	6349.7	7332.7	7807.9	7249.3	6680.4	6959.0
60°	2296.7	2265.4	2101.4	1956.8	2679.4	4559.5	5632.3	6526.7	7202.5	6656.9	6942.1
62.5°	1984.2	1966.0	1899.6	1703.0	1576.7	2602.6	3527.0	4383.7	5526.8	5227.4	5243.0
65°	1558.4	1553.2	1598.8	1619.6	1394.4	1440.0	1799.3	2278.4	2988.0	2817.4	2671.6
67.5°	1065.0	1053.3	1139.2	1400.9	1341.0	1136.6	1053.3	1062.4	1292.8	790.3	627.5
70°	677.0	649.7	651.0	868.4	1091.0	897.1	812.4	714.8	643.2	117.2	132.8
72.5°	433.6	416.6	358.0	391.9	505.2	437.5	441.4	380.2	253.9	62.5	72.9
75°	182.3	168.0	128.9	102.9	101.6	63.8	56.0	52.1	35.2	35.2	37.8
77.5°	1.3	0.0	0.0	1.3	2.6	1.3	1.3	2.6	5.2	7.8	9.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
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°	3741.8	3741.8	3741.8	3741.8	3741.8	3741.8	3741.8	3741.8	3741.8	3741.8	3741.8
2.5°	3762.7	3731.4	3766.6	3779.6	3778.3	3779.6	3741.8	3715.8	3714.5	3681.9	3666.3
5°	3777.0	3752.3	3778.3	3761.4	3721.0	3670.2	3602.5	3543.9	3517.9	3480.1	3461.9
7.5°	3804.3	3778.3	3774.4	3706.7	3606.4	3499.7	3379.9	3273.1	3215.8	3146.8	3150.7
10°	3823.9	3793.9	3743.1	3605.1	3438.5	3267.9	3089.6	2930.7	2830.5	2738.0	2722.4
12.5°	3831.7	3787.4	3668.9	3460.6	3226.3	3003.6	2741.9	2515.4	2359.2	2238.1	2221.1
15°	3846.0	3774.4	3573.9	3286.2	2964.6	2649.5	2316.2	2006.3	1799.3	1660.0	1671.7
17.5°	3868.1	3760.1	3467.1	3090.9	2683.3	2238.1	1787.6	1432.2	1242.1	1161.4	1162.7
20°	3899.4	3743.1	3349.9	2876.0	2346.1	1773.3	1249.9	981.7	928.3	925.7	921.8
22.5°	3941.0	3726.2	3225.0	2640.4	1946.4	1242.1	832.0	748.6	770.8	813.7	821.5
25°	3990.5	3705.4	3085.7	2374.8	1510.3	815.0	623.6	610.6	664.0	721.3	734.3
27.5°	4067.3	3695.0	2926.8	2072.7	1059.8	584.6	510.4	518.2	566.4	614.5	626.2
30°	4197.5	3714.5	2753.7	1734.2	680.9	466.1	442.7	454.4	480.4	505.2	515.6
32.5°	4374.6	3771.8	2585.7	1364.5	485.6	404.9	399.7	406.2	416.6	430.9	434.9
35°	4581.6	3870.7	2412.5	976.5	401.0	369.8	364.5	364.5	369.8	372.4	373.7
37.5°	4752.2	3974.9	2249.8	649.7	359.3	342.4	334.6	330.7	329.4	332.0	333.3
40°	4826.4	4017.9	2072.7	472.6	329.4	317.7	306.0	294.2	294.2	303.4	304.7
42.5°	4774.3	3969.7	1868.3	390.6	308.6	291.6	273.4	263.0	268.2	277.3	279.9
45°	4663.6	3851.2	1643.1	345.0	287.7	265.6	244.8	238.3	243.5	255.2	257.8
47.5°	4645.4	3773.1	1373.6	315.1	265.6	243.5	221.3	214.8	221.3	230.4	233.1
50°	4826.4	3840.8	1074.1	289.0	244.8	220.0	201.8	195.3	199.2	204.4	207.0
52.5°	5157.1	4092.1	867.1	264.3	220.0	196.6	184.9	177.1	177.1	182.3	183.6
55°	5645.3	4530.8	748.6	235.7	191.4	178.4	168.0	160.1	160.1	162.7	164.0
57.5°	6207.8	5062.0	776.0	197.9	168.0	161.4	152.3	145.8	148.4	148.4	148.4
60°	6129.6	5023.0	830.7	166.7	148.4	145.8	138.0	135.4	141.9	136.7	134.1
62.5°	4515.2	3469.7	434.9	136.7	127.6	125.0	119.8	125.0	134.1	119.8	114.6
65°	2192.5	1679.5	174.5	112.0	108.1	105.5	102.9	110.7	115.9	93.7	88.5
67.5°	515.6	419.2	113.3	95.0	89.8	84.6	87.2	88.5	84.6	63.8	61.2
70°	134.1	131.5	88.5	79.4	71.6	66.4	66.4	65.1	56.0	40.4	37.8
72.5°	72.9	71.6	63.8	59.9	49.5	44.3	45.6	40.4	31.2	23.4	22.1
75°	36.5	39.1	36.5	33.9	27.3	24.7	24.7	22.1	15.6	9.1	9.1
77.5°	7.8	9.1	9.1	7.8	6.5	5.2	5.2	6.5	2.6	0.0	0.0
80°	1.3	1.3	1.3	1.3	1.3	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)