

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: P635224

Luminaire Tested: GWS-SA3D-735-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635224  
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-SA3D-735-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) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

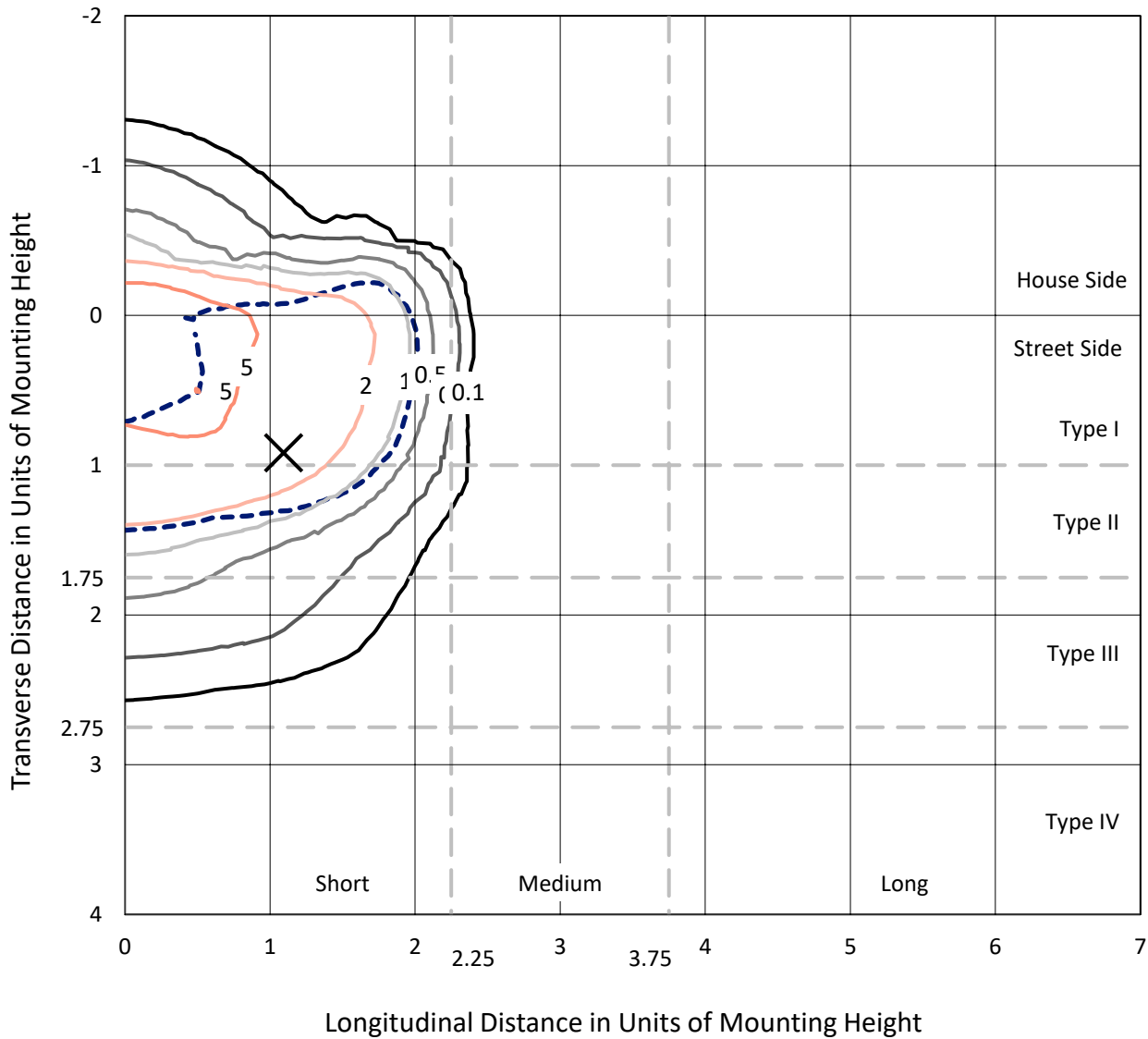
Lumens per Lamp: N/A  
Luminaire Lumens: 10191.8 lumens  
Efficiency: N/A  
Efficacy: 84.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

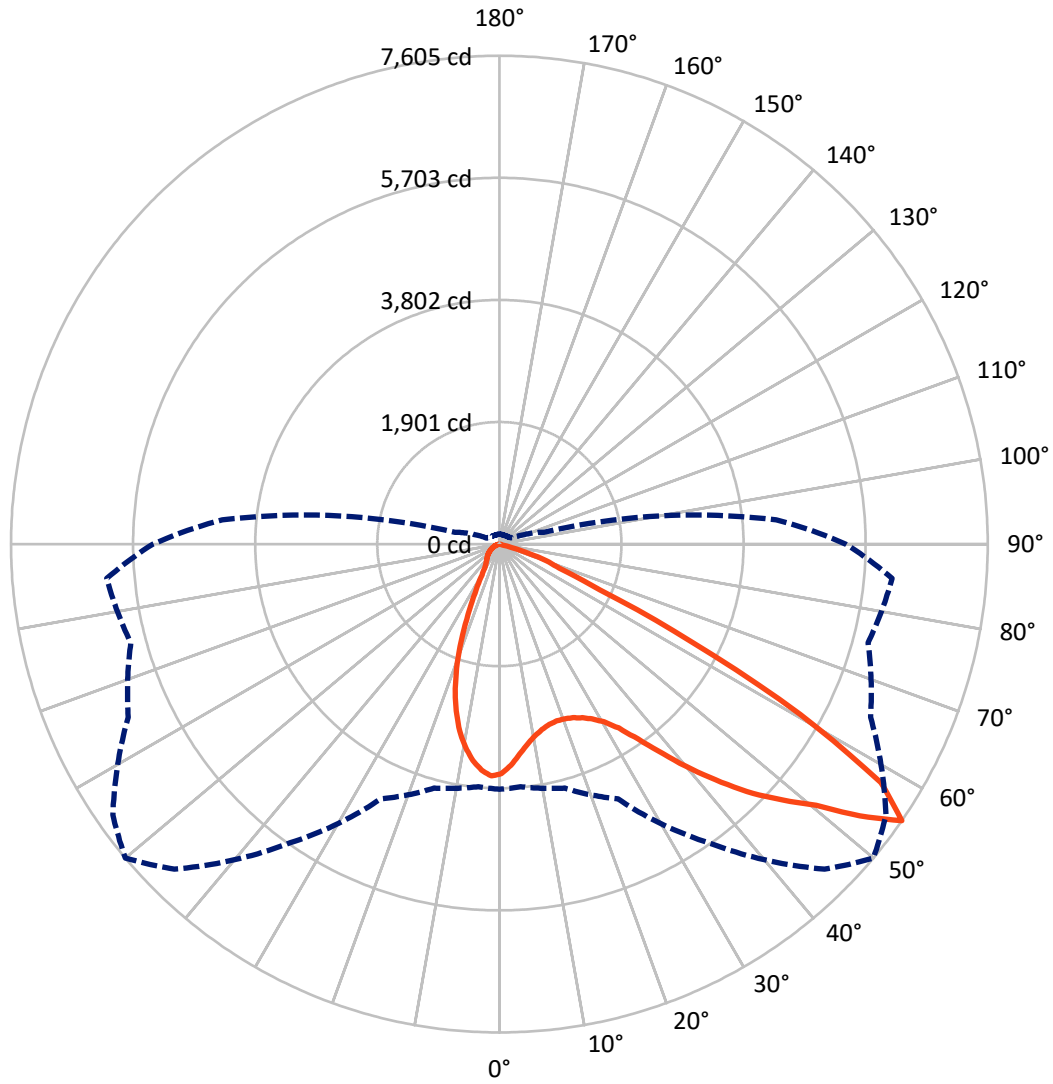
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.9 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
<b>House Side</b>	Lumens	2008.3	0.0	2008.3
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	8183.5	0.0	8183.5
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	10191.8	0.0	10191.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	314.0	3.1
10°-20°	772.8	7.6
20°-30°	1090.0	10.7
30°-40°	1613.0	15.8
40°-50°	2327.1	22.8
50°-60°	2745.0	26.9
60°-70°	1224.5	12.0
70°-80°	105.3	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°	10191.8	100.0
0°-180°	10191.8	100.0

**Coefficient of Utilization**



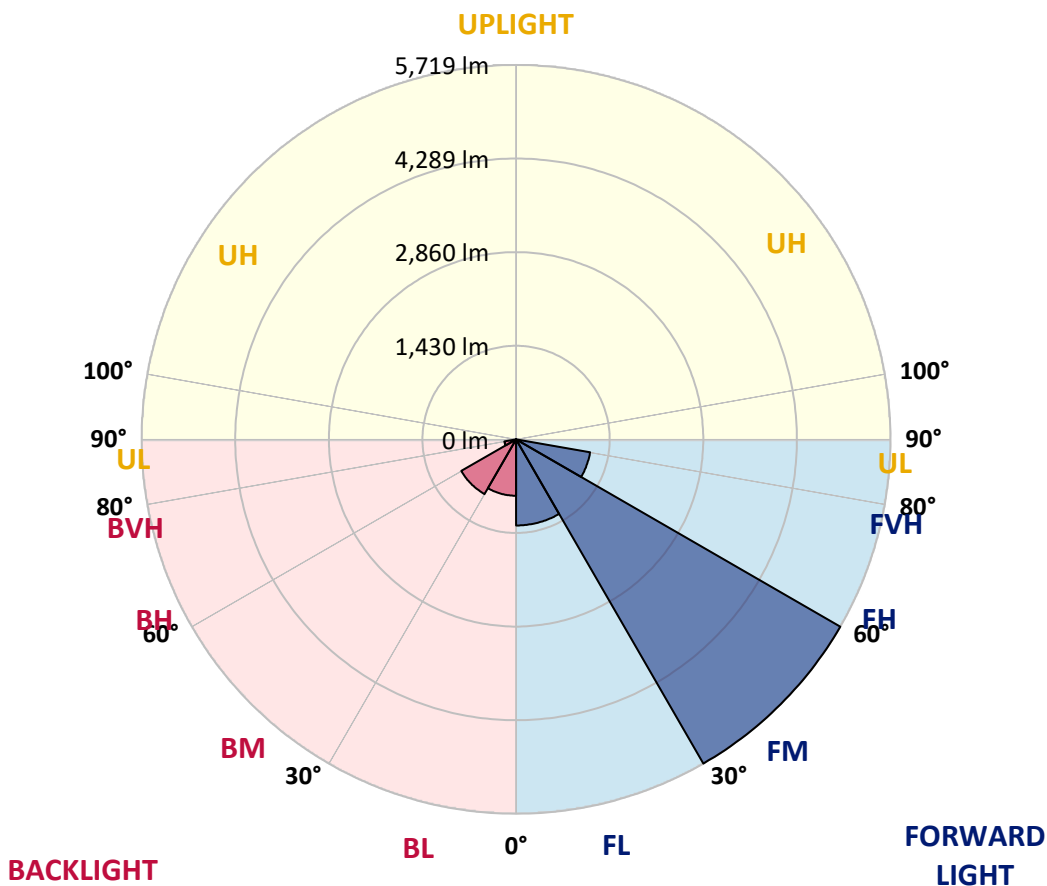
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1315.8	12.9			
FM (30°-60°)	5719.3	56.1			
FH (60°-80°)	1148.4	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	861.1	8.4	B2/1000		
BM (30°-60°)	965.8	9.5	B1/1000		
BH (60°-80°)	181.3	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°	3575.9	3575.9	3575.9	3575.9	3575.9	3575.9	3575.9	3575.9	3575.9	3575.9	3575.9
2.5°	3322.0	3324.5	3325.8	3359.4	3371.8	3421.6	3447.7	3461.4	3497.5	3539.8	3574.6
5°	3099.3	3095.6	3101.8	3144.1	3171.5	3244.9	3284.7	3312.1	3391.7	3491.2	3574.6
7.5°	2905.2	2912.7	2920.2	2966.2	3007.2	3086.9	3144.1	3185.2	3295.9	3444.0	3584.6
10°	2768.4	2768.4	2779.6	2831.8	2880.3	2978.6	3035.9	3088.1	3220.0	3401.7	3595.8
12.5°	2667.6	2668.8	2682.5	2742.2	2798.2	2900.2	2960.0	3011.0	3156.6	3359.4	3598.2
15°	2620.3	2616.6	2627.8	2691.2	2753.4	2849.2	2911.4	2961.2	3111.8	3335.7	3610.7
17.5°	2607.9	2605.4	2614.1	2676.3	2739.7	2833.1	2894.0	2943.8	3105.5	3343.2	3648.0
20°	2643.9	2639.0	2635.2	2688.7	2748.5	2840.5	2904.0	2960.0	3135.4	3384.2	3705.2
22.5°	2729.8	2729.8	2721.1	2747.2	2787.0	2870.4	2936.3	3009.7	3213.8	3466.4	3789.9
25°	2887.8	2875.4	2859.2	2870.4	2865.4	2917.7	2996.0	3098.1	3361.8	3602.0	3893.1
27.5°	3068.2	3079.4	3052.0	3053.3	3009.7	2991.1	3081.9	3236.2	3582.1	3793.6	4046.2
30°	3313.3	3304.6	3305.9	3302.1	3201.3	3113.0	3211.3	3416.6	3859.5	4086.0	4245.2
32.5°	3504.9	3517.4	3558.4	3582.1	3450.2	3308.3	3412.9	3661.7	4175.6	4419.4	4489.1
35°	3707.7	3730.1	3813.5	3890.6	3779.9	3616.9	3728.9	3986.4	4472.9	4749.1	4769.0
37.5°	3921.7	3966.5	4066.1	4201.7	4184.3	4039.9	4142.0	4368.4	4706.8	4948.2	5000.5
40°	4166.8	4210.4	4373.4	4568.7	4609.8	4577.4	4611.0	4742.9	4861.1	4956.9	5100.0
42.5°	4435.6	4495.3	4701.9	4963.1	5117.4	5146.0	5067.7	5054.0	4928.3	4857.4	5078.9
45°	4752.9	4822.5	5056.5	5394.9	5640.0	5678.6	5542.9	5367.5	4970.6	4784.0	5015.4
47.5°	5108.7	5174.7	5407.3	5814.2	6178.7	6193.7	5957.3	5674.8	5096.3	4868.6	5063.9
50°	5228.2	5269.2	5470.8	5948.6	6620.4	6734.9	6392.7	6020.7	5348.8	5117.4	5300.3
52.5°	4817.6	4833.7	5009.2	5491.9	6530.8	7266.2	7028.5	6537.1	5798.0	5496.9	5664.9
55°	3817.2	3791.1	3932.9	4375.9	5676.1	7157.9	7604.6	7348.3	6376.6	5942.3	6138.9
57.5°	2670.1	2639.0	2606.6	2906.5	4235.3	6068.0	7007.4	7461.5	6927.7	6384.0	6650.3
60°	2194.8	2164.9	2008.1	1870.0	2560.6	4357.2	5382.4	6237.2	6883.0	6361.6	6634.1
62.5°	1896.2	1878.8	1815.3	1627.4	1506.7	2487.2	3370.6	4189.2	5281.7	4995.5	5010.4
65°	1489.3	1484.3	1527.9	1547.8	1332.5	1376.1	1719.5	2177.4	2855.5	2692.5	2553.1
67.5°	1017.8	1006.6	1088.7	1338.8	1281.5	1086.2	1006.6	1015.3	1235.5	755.2	599.7
70°	647.0	620.9	622.1	829.9	1042.6	857.3	776.4	683.1	614.6	112.0	126.9
72.5°	414.3	398.1	342.2	374.5	482.8	418.1	421.8	363.3	242.6	59.7	69.7
75°	174.2	160.5	123.2	98.3	97.0	61.0	53.5	49.8	33.6	33.6	36.1
77.5°	1.2	0.0	0.0	1.2	2.5	1.2	1.2	2.5	5.0	7.5	8.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
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°	3575.9	3575.9	3575.9	3575.9	3575.9	3575.9	3575.9	3575.9	3575.9	3575.9	3575.9
2.5°	3595.8	3565.9	3599.5	3611.9	3610.7	3611.9	3575.9	3551.0	3549.7	3518.6	3503.7
5°	3609.4	3585.8	3610.7	3594.5	3555.9	3507.4	3442.7	3386.7	3361.8	3325.8	3308.3
7.5°	3635.6	3610.7	3607.0	3542.3	3446.5	3344.4	3230.0	3127.9	3073.2	3007.2	3011.0
10°	3654.2	3625.6	3577.1	3445.2	3285.9	3123.0	2952.5	2800.7	2704.9	2616.6	2601.6
12.5°	3661.7	3619.4	3506.2	3307.1	3083.1	2870.4	2620.3	2403.8	2254.5	2138.8	2122.6
15°	3675.4	3607.0	3415.3	3140.4	2833.1	2532.0	2213.4	1917.3	1719.5	1586.4	1597.6
17.5°	3696.5	3593.3	3313.3	2953.7	2564.3	2138.8	1708.3	1368.6	1187.0	1109.8	1111.1
20°	3726.4	3577.1	3201.3	2748.5	2242.1	1694.6	1194.4	938.1	887.1	884.6	880.9
22.5°	3766.2	3560.9	3081.9	2523.3	1860.1	1187.0	795.0	715.4	736.6	777.6	785.1
25°	3813.5	3541.0	2948.8	2269.4	1443.3	778.9	596.0	583.5	634.5	689.3	701.7
27.5°	3886.9	3531.1	2797.0	1980.8	1012.8	558.6	487.7	495.2	541.2	587.3	598.5
30°	4011.3	3549.7	2631.5	1657.3	650.7	445.4	423.0	434.2	459.1	482.8	492.7
32.5°	4180.5	3604.5	2471.0	1303.9	464.1	386.9	382.0	388.2	398.1	411.8	415.6
35°	4378.4	3699.0	2305.5	933.2	383.2	353.4	348.4	348.4	353.4	355.8	357.1
37.5°	4541.4	3798.6	2150.0	620.9	343.4	327.2	319.8	316.0	314.8	317.3	318.5
40°	4612.3	3839.6	1980.8	451.6	314.8	303.6	292.4	281.2	281.2	289.9	291.1
42.5°	4562.5	3793.6	1785.4	373.3	294.9	278.7	261.3	251.3	256.3	265.0	267.5
45°	4456.7	3680.4	1570.2	329.7	275.0	253.8	233.9	227.7	232.7	243.9	246.4
47.5°	4439.3	3605.7	1312.6	301.1	253.8	232.7	211.5	205.3	211.5	220.2	222.7
50°	4612.3	3670.4	1026.5	276.2	233.9	210.3	192.9	186.6	190.4	195.3	197.8
52.5°	4928.3	3910.5	828.6	252.6	210.3	187.9	176.7	169.2	169.2	174.2	175.4
55°	5394.9	4329.8	715.4	225.2	182.9	170.5	160.5	153.0	153.0	155.5	156.8
57.5°	5932.4	4837.5	741.5	189.1	160.5	154.3	145.6	139.4	141.8	141.8	141.8
60°	5857.7	4800.1	793.8	159.3	141.8	139.4	131.9	129.4	135.6	130.6	128.2
62.5°	4314.9	3315.8	415.6	130.6	121.9	119.4	114.5	119.4	128.2	114.5	109.5
65°	2095.2	1605.0	166.7	107.0	103.3	100.8	98.3	105.8	110.7	89.6	84.6
67.5°	492.7	400.6	108.2	90.8	85.9	80.9	83.4	84.6	80.9	61.0	58.5
70°	128.2	125.7	84.6	75.9	68.4	63.5	63.5	62.2	53.5	38.6	36.1
72.5°	69.7	68.4	61.0	57.2	47.3	42.3	43.5	38.6	29.9	22.4	21.2
75°	34.8	37.3	34.8	32.3	26.1	23.6	23.6	21.2	14.9	8.7	8.7
77.5°	7.5	8.7	8.7	7.5	6.2	5.0	5.0	6.2	2.5	0.0	0.0
80°	1.2	1.2	1.2	1.2	1.2	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)