

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P#

Luminaire Tested: **BRT6-A2-730-U-T5-XX-BK**

Issue Date: 1/14/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2004-745-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/14/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: BRT6-A2-730-U-T5-XX-BK  
Description: BOLLARD 6INCH ROUND BASE, 2000LM, TYPE V SYMMETRICAL, BLACK FINISH  
Light Source: (20) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2013 lumens  
Efficiency: N/A  
Efficacy: 109.4 lumens/watt  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B1 - U0 - G1

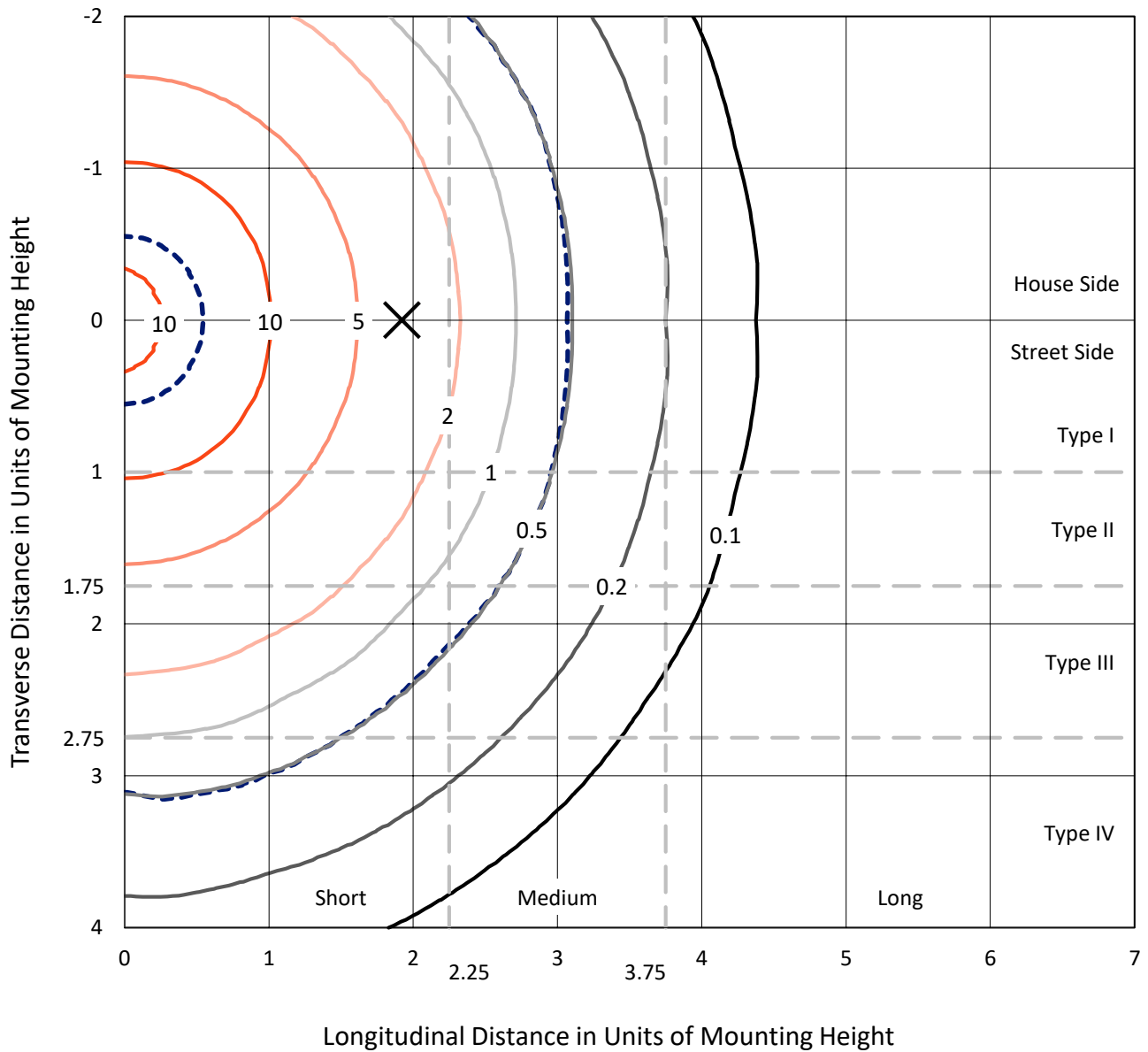
Input Watts (W): 18.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

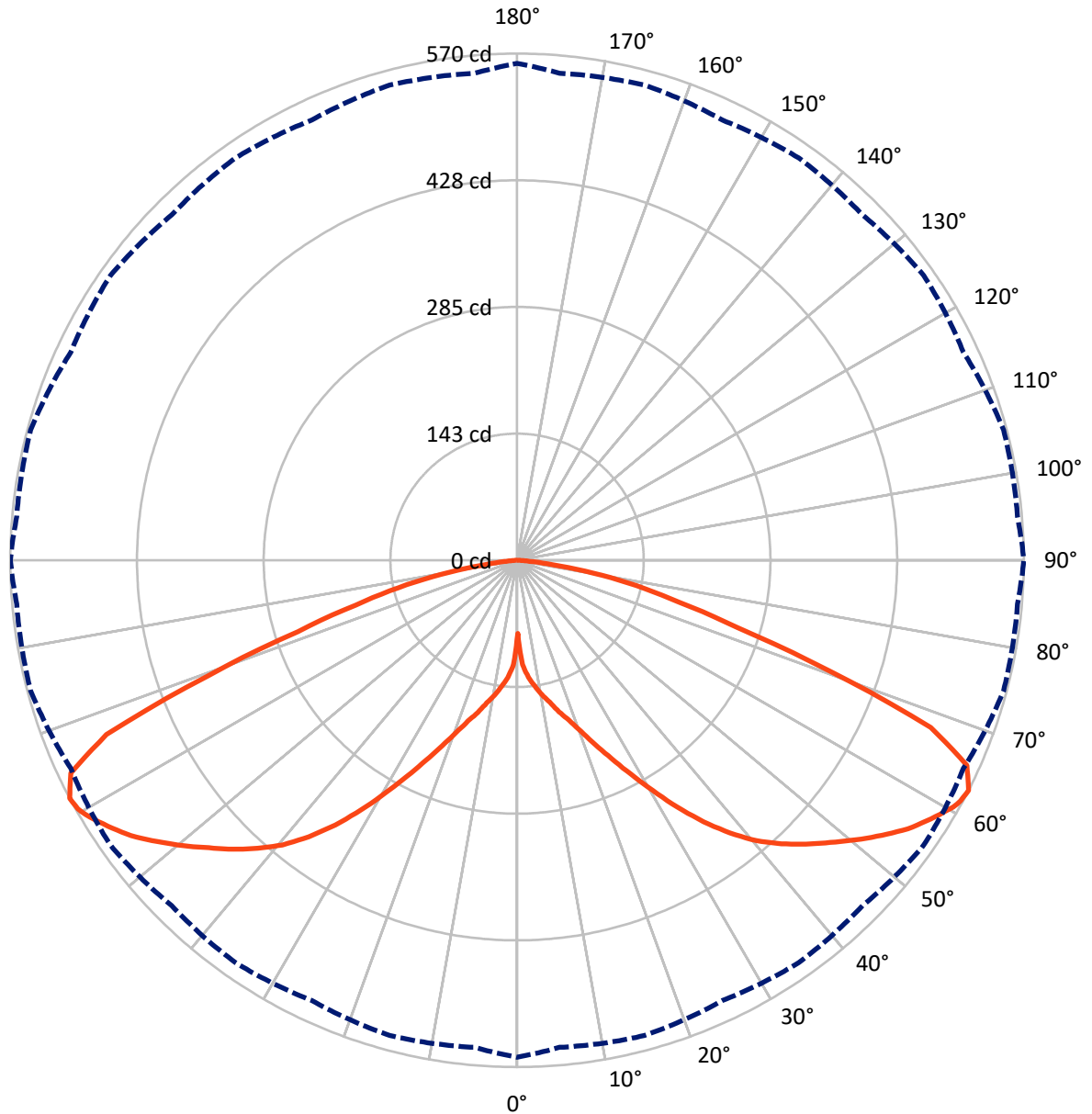
✕ Max cd  
 - - - 1/2 Max cd



Based on 4 foot mounting height. Maximum calculated value = 12.7 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



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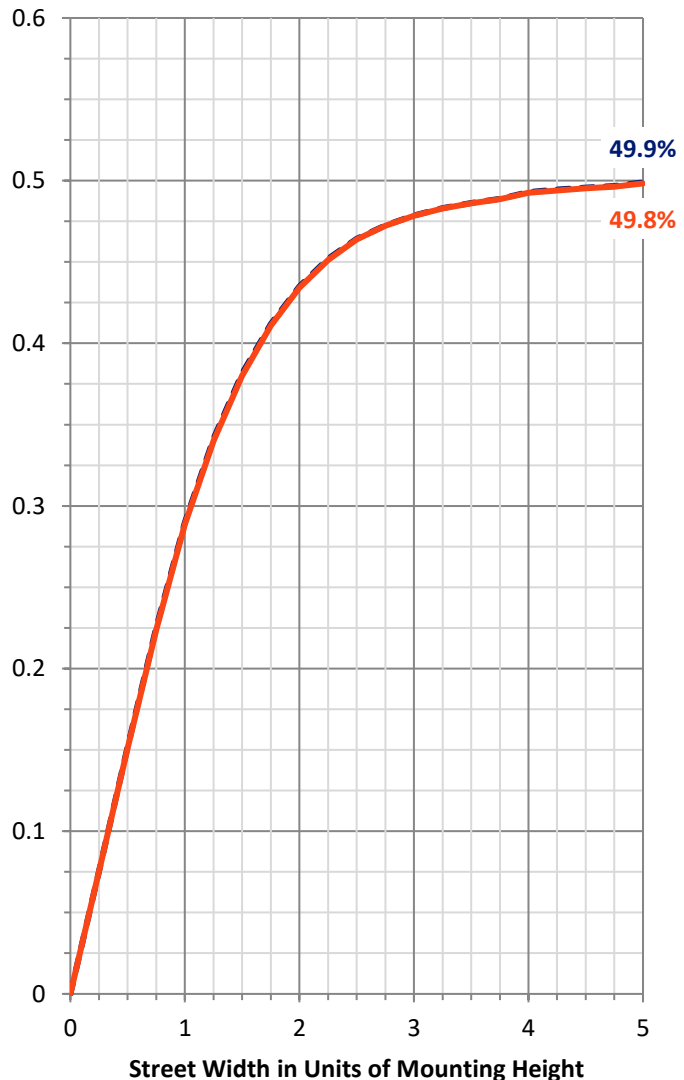
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1006.5	0.0	1006.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1006.5	0.0	1006.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2013.0	0.0	2013.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.1	0.7
10°-20°	50.4	2.5
20°-30°	114.5	5.7
30°-40°	230.2	11.4
40°-50°	364.1	18.1
50°-60°	475.5	23.6
60°-70°	512.4	25.5
70°-80°	223.2	11.1
80°-90°	29.6	1.5
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°	2013.0	100.0
0°-180°	2013.0	100.0

**Coefficient of Utilization**



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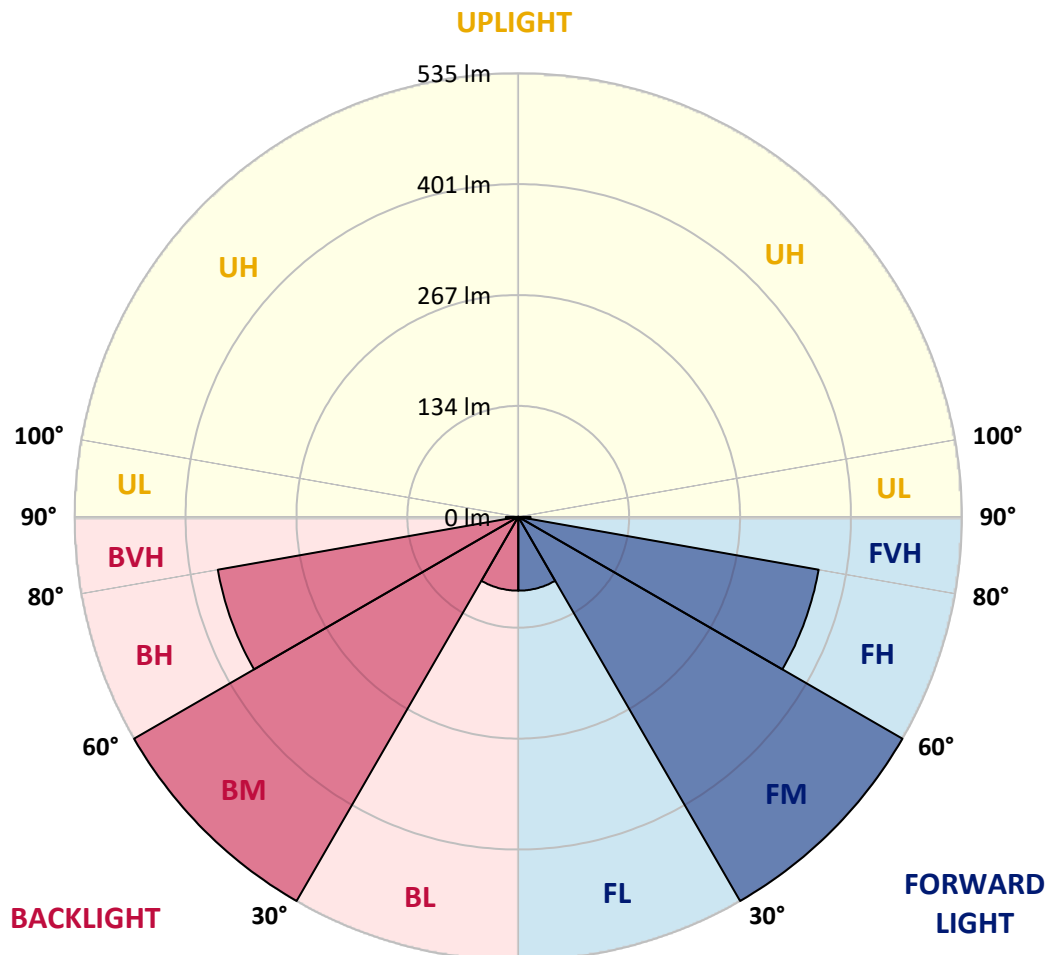
CATALOG NUMBER: BRT6-A2-730-U-T5-XX-BK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	89.0	4.4			
FM (30°-60°)	534.9	26.6			
FH (60°-80°)	367.8	18.3			G0/660
FVH (80°-90°)	14.8	0.7			G1/100
BL (0°-30°)	89.0	4.4	B0/110		
BM (30°-60°)	534.9	26.6	B1/1000		
BH (60°-80°)	367.8	18.3	B1/500		G0/660
BVH (80°-90°)	14.8	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
2.5°	115.5	115.5	114.5	117.0	116.0	117.5	117.0	119.5	118.5	118.5	117.5
5°	132.6	131.6	131.1	130.6	131.6	132.1	131.6	132.6	133.1	133.1	132.1
7.5°	142.2	142.2	141.1	143.7	141.1	144.2	142.7	144.7	143.2	143.7	142.7
10°	151.2	152.7	151.7	153.7	151.2	155.2	152.7	155.2	153.2	154.2	153.7
12.5°	159.7	162.2	161.2	163.8	160.2	165.8	162.7	166.8	163.8	165.3	163.8
15°	169.8	172.3	171.8	173.8	170.8	176.3	173.3	178.3	175.3	177.3	176.8
17.5°	181.8	184.3	182.8	186.4	182.8	189.4	185.9	192.4	188.9	190.9	188.9
20°	194.4	197.4	196.4	200.4	196.9	202.9	200.4	207.5	204.4	208.0	205.4
22.5°	213.5	215.0	213.5	217.5	214.0	221.0	219.0	225.0	222.0	226.0	225.0
25°	236.6	238.1	236.6	239.6	236.6	243.6	241.1	247.1	244.6	248.6	247.1
27.5°	264.2	266.7	263.2	266.7	262.2	269.2	265.2	272.8	269.7	273.8	272.3
30°	298.4	299.9	295.9	298.9	293.9	300.4	295.4	301.9	298.4	300.9	300.4
32.5°	333.5	334.5	331.5	333.5	328.0	333.5	327.5	332.0	329.5	330.5	331.0
35°	366.7	371.2	366.2	369.7	363.7	368.7	359.7	364.2	359.7	361.7	361.2
37.5°	403.4	405.9	400.8	404.9	397.3	400.3	391.8	394.8	389.8	390.8	389.3
40°	433.0	436.0	432.0	435.5	428.5	429.5	421.4	423.4	417.4	415.9	414.9
42.5°	456.6	459.1	456.6	459.6	454.6	455.1	448.6	447.6	441.0	437.0	436.0
45°	473.7	475.2	475.2	480.2	476.7	476.7	470.2	469.7	461.1	459.6	455.6
47.5°	489.2	489.8	490.3	495.8	493.8	494.8	487.7	488.2	480.7	478.7	474.2
50°	502.3	502.3	503.3	509.3	505.8	510.8	503.3	504.8	498.8	497.3	494.3
52.5°	512.9	514.9	515.4	521.4	517.4	523.9	517.4	519.4	514.4	513.4	513.9
55°	524.4	526.9	527.9	532.9	528.4	536.0	531.4	532.4	530.4	528.9	533.5
57.5°	539.0	538.5	539.0	540.5	538.5	544.0	544.5	542.5	546.5	542.5	549.0
60°	552.0	548.0	548.5	545.5	548.0	549.5	555.1	551.0	560.6	557.1	563.6
61°	556.1	550.0	551.5	547.0	550.5	550.0	557.1	553.5	564.1	561.1	567.6
62.5°	559.1	550.0	553.5	546.5	552.5	549.5	558.6	554.0	566.6	565.1	570.1
65°	550.5	541.0	548.0	535.0	544.0	536.0	548.5	539.0	554.0	548.5	556.1
67.5°	510.3	503.3	511.9	490.8	503.8	490.3	499.3	492.8	503.8	495.8	501.8
70°	397.3	392.3	403.4	379.2	389.8	371.2	388.8	388.8	380.2	374.2	372.2
72.5°	267.2	282.8	280.8	276.8	269.7	268.2	273.3	277.3	269.2	263.2	259.2
75°	196.9	201.9	194.4	196.9	196.9	197.4	201.4	200.9	195.4	194.9	188.4
77.5°	146.2	145.2	135.6	140.1	139.6	141.1	138.6	143.2	136.6	140.6	137.1
80°	91.4	93.9	85.9	90.9	89.9	91.9	87.9	93.9	86.9	91.4	86.9
82.5°	44.7	46.2	42.2	47.2	42.2	46.7	42.2	47.2	41.2	44.2	39.7
85°	13.6	14.1	13.6	14.1	13.6	13.6	13.6	15.1	13.1	14.6	14.1
87.5°	7.0	6.5	6.0	6.0	6.0	5.5	5.5	6.0	5.5	5.5	5.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By E9970913



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Peachtree City, GA 30269

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Scaled Data Report





— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical



--- HS — SS



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0°



(END OF REPORT)