

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: LUMIERE

Report Number: P253122

Luminaire Tested: **3002A-18LED2700-SP-UNV-NBR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253122  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P22979)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 3002A-18LED2700-SP-UNV-NBR  
Description: LUMIERE MONACO INGRADE TEST FIXTURE WITH SPOT OPTICS  
Light Source: (7) 2700K CCT, 90 CRI LEDS  
LBA-8057XPG2-2K  
Ballast/Driver: (1) MAGTECH ELECTRONIC DRIVER  
LP1020-24-C0700

**Summary**

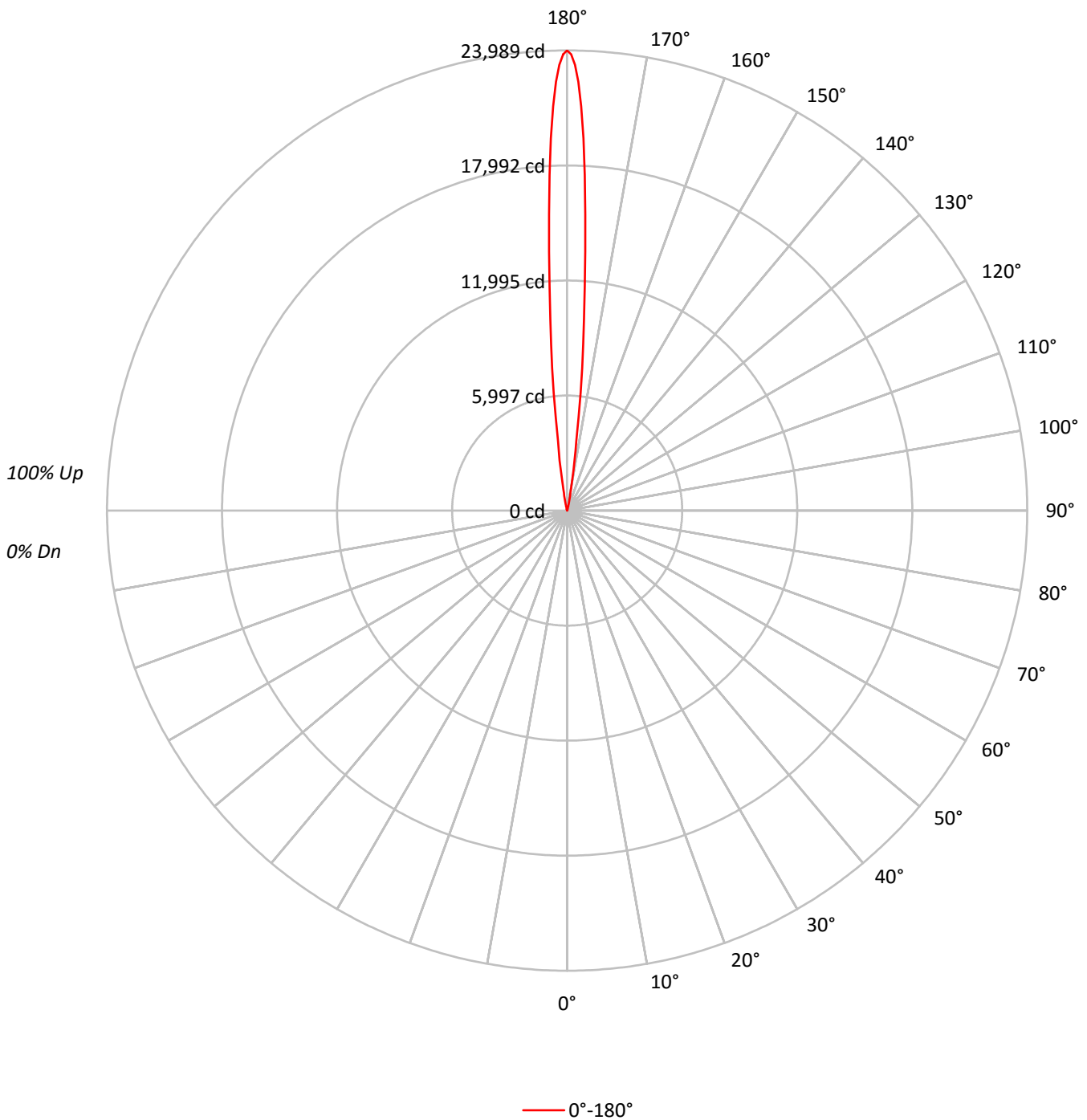
Lumens per Lamp: N/A  
Luminaire Lumens: 767.0 lumens  
Efficiency: N/A  
Efficacy: 45.9 lumens/watt  
N/A  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Indirect

Input Watts (W): 16.7  
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: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	95	95	95	95	81	81	81	81	56	56	56		32	32	32		10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45		28	27	26		9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37		24	23	22		8	7	7	0
3	72	63	57	51	61	54	49	44	37	34	31		21	20	18		7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26		19	17	16		6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22		17	15	13		5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19		15	13	11		5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17		14	11	10		4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14		12	10	9		4	3	3	0
9	43	32	25	20	37	27	22	18	19	15	13		11	9	8		4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11		10	8	7		3	3	2	0

**AVERAGE LUMINANCE (cd/sqm):**

	0°
95°	0
100°	0
105°	0
110°	0
115°	0
120°	115
125°	175
130°	245
135°	304
140°	346
145°	647
150°	1587
155°	1699
160°	2370
165°	8399
170°	79853
175°	719494



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.0	0.0
10°-20°	0.0	0.0
20°-30°	0.0	0.0
30°-40°	0.0	0.0
40°-50°	0.0	0.0
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.5	0.1
120°-130°	1.4	0.2
130°-140°	2.1	0.3
140°-150°	5.8	0.8
150°-160°	10.3	1.3
160°-170°	62.0	8.1
170°-180°	685.0	89.3
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	0.0	0.0
90°-120°	0.5	0.1
90°-150°	9.9	1.3
90°-180°	767.0	100.0
0°-180°	767.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
90°	0	
95°	0	0
105°	0	0
115°	0	0
125°	1	1
135°	3	2
145°	7	6
155°	22	10
165°	113	62
175°	10010	685
180°	23989	



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**CANDELA DISTRIBUTION (FULL):**

	0°
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0
112.5°	0.0
115°	0.0
117.5°	0.8
120°	0.8
122.5°	1.4
125°	1.4
127.5°	2.2
130°	2.2
132.5°	2.2
135°	3.0
137.5°	3.0
140°	3.7
142.5°	5.2
145°	7.4
147.5°	14.1
150°	19.2
152.5°	20.8
155°	21.5
157.5°	23.0
160°	31.1
162.5°	57.0
165°	113.3
167.5°	312.6
170°	1098.3
172.5°	3643.9
175°	10010.3
175.5°	11735.2
176°	13531.2
176.5°	15459.8
177°	17519.5
177.5°	19419.2
178°	21091.5
178.5°	22361.7
179°	23238.6
179.5°	23794.1
180°	23988.8

(END OF REPORT)