

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: P253123

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253123  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P22982)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 3002A-18LED2700-WFL-UNV-NBR  
Description: LUMIERE MONACO INGRADE TEST FIXTURE WITH WIDE FLOOD OPTICS  
Light Source: (7) 2700K CCT, 90 CRI LEDS  
LBA-8057XPG2-2K  
Ballast/Driver: (1) MAGTECH ELECTRONIC DRIVER  
LP1020-24-C0700

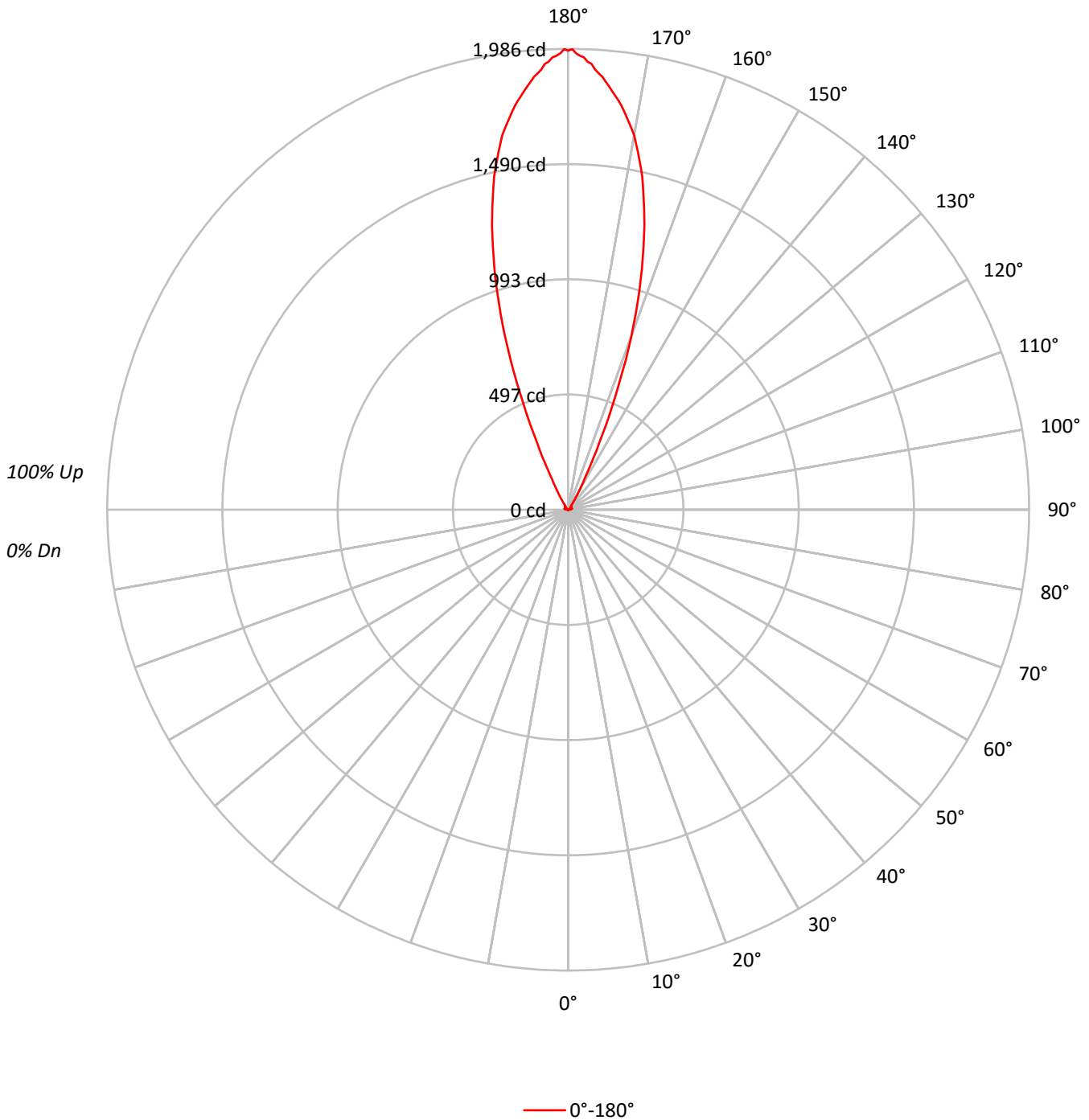
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 737.4 lumens  
Efficiency: N/A  
Efficacy: 44.2 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



TEST NUMBER: P253123  
CATALOG NUMBER: 3002A-18LED2700-WFL-UNV-NBR

### Luminous Intensity Polar Plot





TEST NUMBER: P253123

CATALOG NUMBER: 3002A-18LED2700-WFL-UNV-NBR

**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°	657
100°	907
105°	2462
110°	2156
115°	136
120°	2119
125°	1286
130°	1894
135°	1124
140°	1729
145°	2456
150°	7962
155°	24807
160°	60554
165°	94046
170°	119115
175°	133135



TEST NUMBER: P253123

CATALOG NUMBER: 3002A-18LED2700-WFL-UNV-NBR

**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°	1.9	0.3
100°-110°	9.5	1.3
110°-120°	5.7	0.8
120°-130°	11.9	1.6
130°-140°	12.2	1.7
140°-150°	25.3	3.4
150°-160°	158.6	21.5
160°-170°	341.8	46.4
170°-180°	170.2	23.1
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°	17.2	2.3
90°-150°	66.7	9.0
90°-180°	737.0	99.9
0°-180°	737.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
90°	0	
95°	1	2
105°	9	10
115°	1	6
125°	10	12
135°	11	12
145°	28	25
155°	314	159
165°	1269	342
175°	1852	170
180°	1978	



TEST NUMBER: P253123

CATALOG NUMBER: 3002A-18LED2700-WFL-UNV-NBR

**CANDELA DISTRIBUTION (FULL):**

	0°
90°	0.0
92.5°	4.4
95°	0.8
97.5°	0.8
100°	2.2
102.5°	17.8
105°	8.9
107.5°	3.0
110°	10.3
112.5°	6.7
115°	0.8
117.5°	3.0
120°	14.8
122.5°	10.3
125°	10.3
127.5°	17.0
130°	17.0
132.5°	19.2
135°	11.1
137.5°	14.8
140°	18.5
142.5°	24.5
145°	28.1
147.5°	57.0
150°	96.3
152.5°	161.5
155°	314.0
157.5°	534.0
160°	794.7
162.5°	1039.8
165°	1268.7
167.5°	1472.3
170°	1638.3
172.5°	1756.8
175°	1852.3
175.5°	1871.6
176°	1884.9
176.5°	1901.2
177°	1924.2
177.5°	1932.3
178°	1950.1
178.5°	1956.7
179°	1967.1
179.5°	1985.6
180°	1978.2

(END OF REPORT)