

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: P253133

Luminaire Tested: **3002A-18LED4000-NFL-UNV-NBR**

Test Date: 11/19/12

**Test Information**

Test Method: LM-79-08  
Report Number: P253133  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P22980)  
Test Lab: INNOVATION CENTER P2  
Test Date: 11/19/12  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 3002A-18LED4000-NFL-UNV-NBR  
Description: LUMIERE MONACO INGRADE TEST FIXTURE WITH NARROW FLOOD OPTICS  
Light Source: (7) 4000K CCT, 80 CRI LEDS  
LBA-8057XPG2-4K  
Ballast/Driver: (1) MAGTECH ELECTRONIC DRIVER  
LP1020-24-C0700

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1130.1 lumens  
Efficiency: N/A  
Efficacy: 68.1 lumens/watt  
N/A  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Indirect

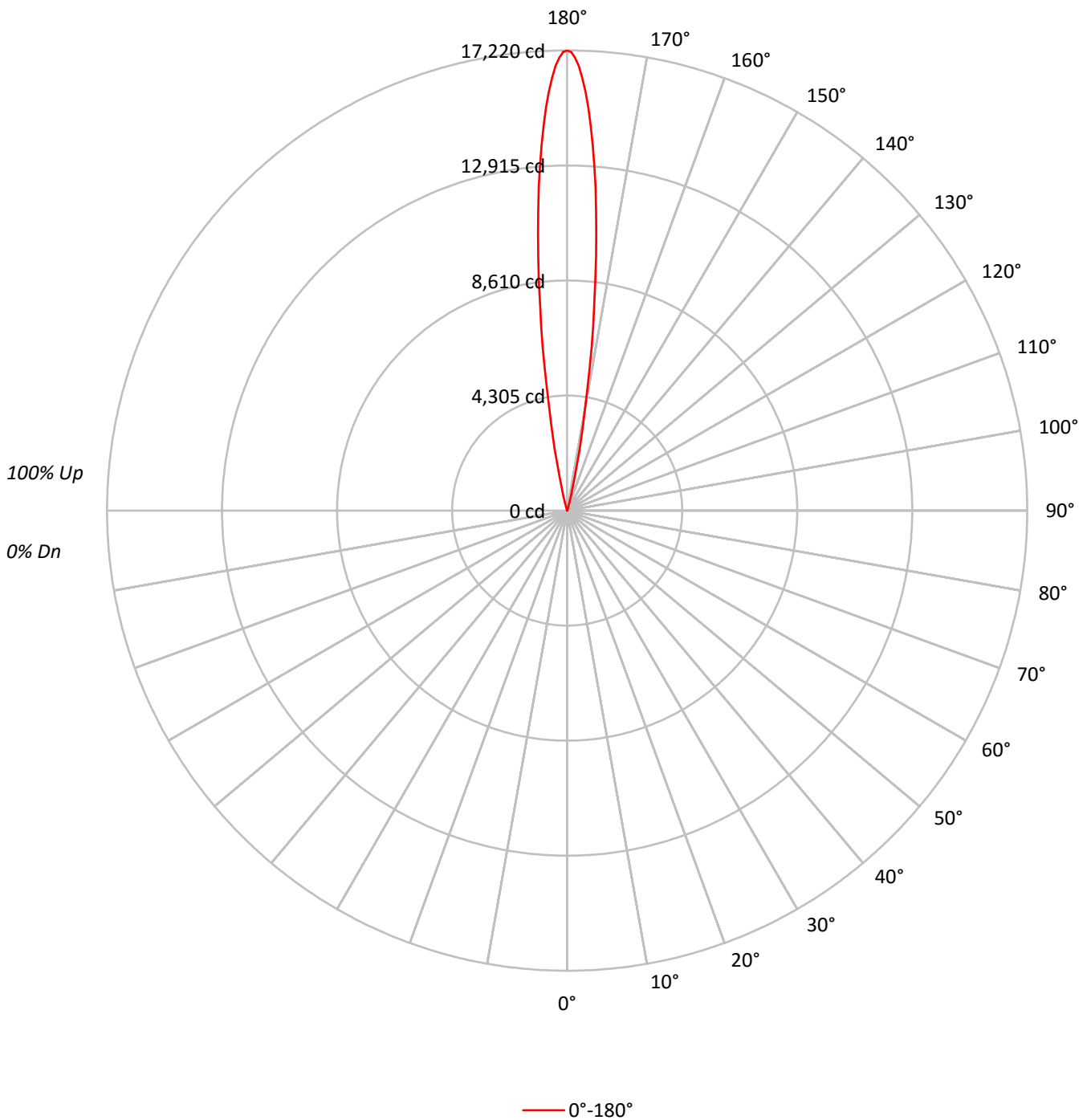
Input Watts (W): 16.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	158
125°	262
130°	234
135°	324
140°	598
145°	1128
150°	1869
155°	2718
160°	3680
165°	25485
170°	275885
175°	875018



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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°	0.7	0.1
120°-130°	1.5	0.1
130°-140°	2.9	0.3
140°-150°	8.2	0.7
150°-160°	15.6	1.4
160°-170°	215.2	19.0
170°-180°	886.3	78.4
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°	0.7	0.1
90°-150°	13.2	1.2
90°-180°	1130.0	100.0
0°-180°	1130.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
90°	0	
95°	0	0
105°	0	0
115°	0	1
125°	2	2
135°	3	3
145°	13	8
155°	34	16
165°	344	215
175°	12174	886
180°	17220	



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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°	1.1
120°	1.1
122.5°	1.1
125°	2.1
127.5°	2.1
130°	2.1
132.5°	3.2
135°	3.2
137.5°	4.3
140°	6.4
142.5°	8.6
145°	12.9
147.5°	17.2
150°	22.6
152.5°	29.0
155°	34.4
157.5°	38.7
160°	48.3
162.5°	90.2
165°	343.8
167.5°	1345.0
170°	3794.5
172.5°	7801.6
175°	12174.1
175.5°	12970.2
176°	13712.5
176.5°	14443.0
177°	15098.4
177.5°	15683.9
178°	16206.0
178.5°	16637.9
179°	16950.5
179.5°	17164.3
180°	17220.1

(END OF REPORT)