

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: P253121

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253121
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P22980)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 3002A-18LED2700-NFL-UNV-NBR
Description: LUMIERE MONACO INGRADE TEST FIXTURE WITH NARROW 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: 779.1 lumens
Efficiency: N/A
Efficacy: 46.9 lumens/watt
N/A
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Indirect

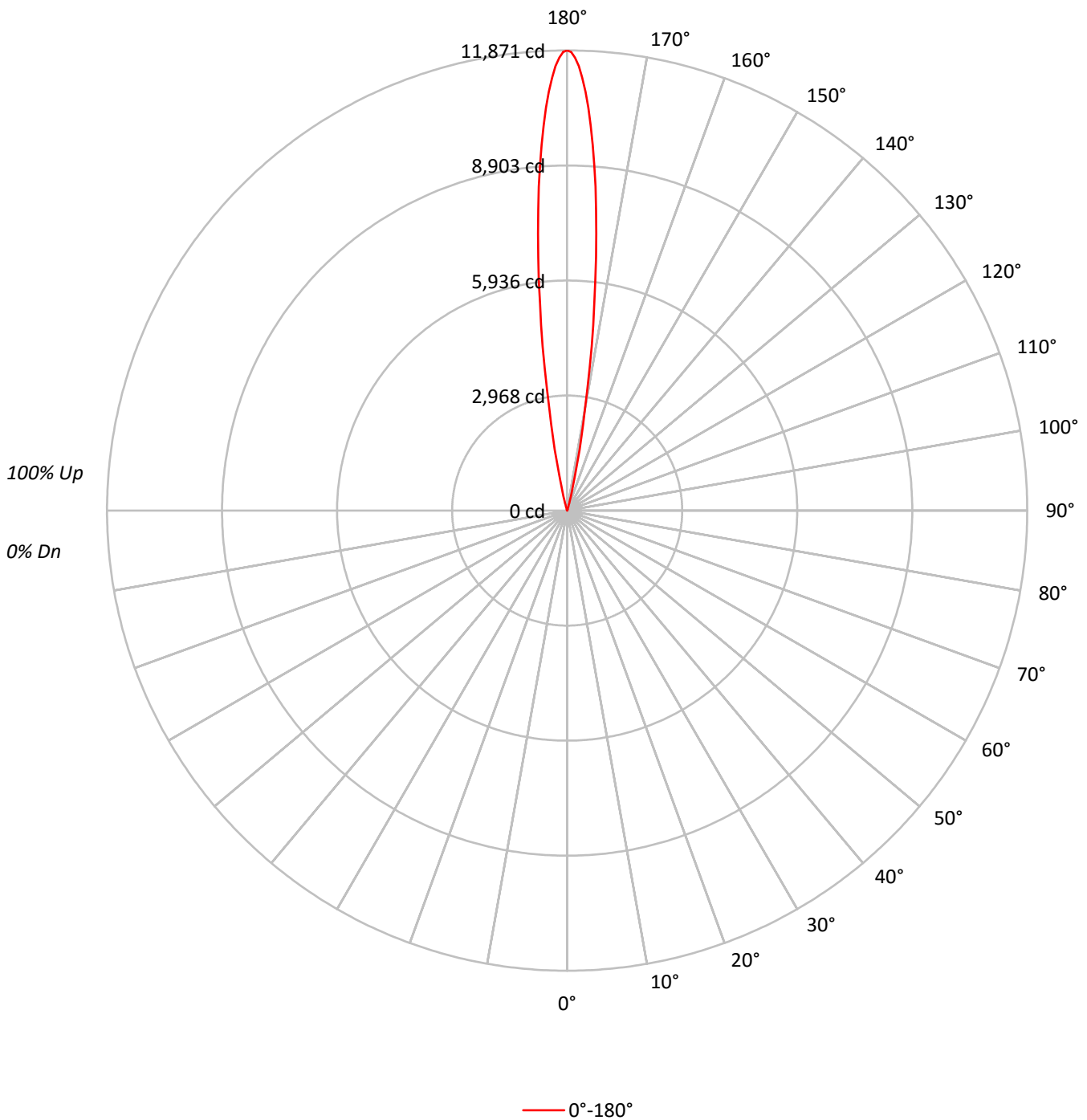
Input Watts (W): 16.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	156
135°	223
140°	411
145°	778
150°	1290
155°	1872
160°	2537
165°	17568
170°	190193
175°	603236



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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°	1.0	0.1
130°-140°	2.0	0.3
140°-150°	5.6	0.7
150°-160°	10.8	1.4
160°-170°	148.4	19.0
170°-180°	611.0	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°	0.5	0.1
90°-150°	9.1	1.2
90°-180°	779.0	100.0
0°-180°	779.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
90°	0	
95°	0	0
105°	0	0
115°	0	0
125°	1	1
135°	2	2
145°	9	6
155°	24	11
165°	237	148
175°	8393	611
180°	11871	



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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°	0.8
125°	1.4
127.5°	1.4
130°	1.4
132.5°	2.2
135°	2.2
137.5°	3.0
140°	4.4
142.5°	5.9
145°	8.9
147.5°	11.9
150°	15.6
152.5°	20.0
155°	23.7
157.5°	26.7
160°	33.3
162.5°	62.2
165°	237.0
167.5°	927.2
170°	2615.9
172.5°	5378.4
175°	8392.8
175.5°	8941.6
176°	9453.3
176.5°	9956.9
177°	10408.8
177.5°	10812.4
178°	11172.3
178.5°	11470.1
179°	11685.6
179.5°	11833.0
180°	11871.4

(END OF REPORT)