

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: P253125

Luminaire Tested: **3002A-18LED3000-NFL-UNV-NBR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253125
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P23736)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 3002A-18LED3000-NFL-UNV-NBR
Description: LUMIERE MONACO 30002 LED FIXTURE, GROUND RECESSED.
Light Source: (7) 3000K CCT, 80 CRI LEDS
LBA-80578XPG2-3K
Ballast/Driver: (1) MAGTECH ELECTRONIC DRIVER
LP1020-24-C0700

Summary

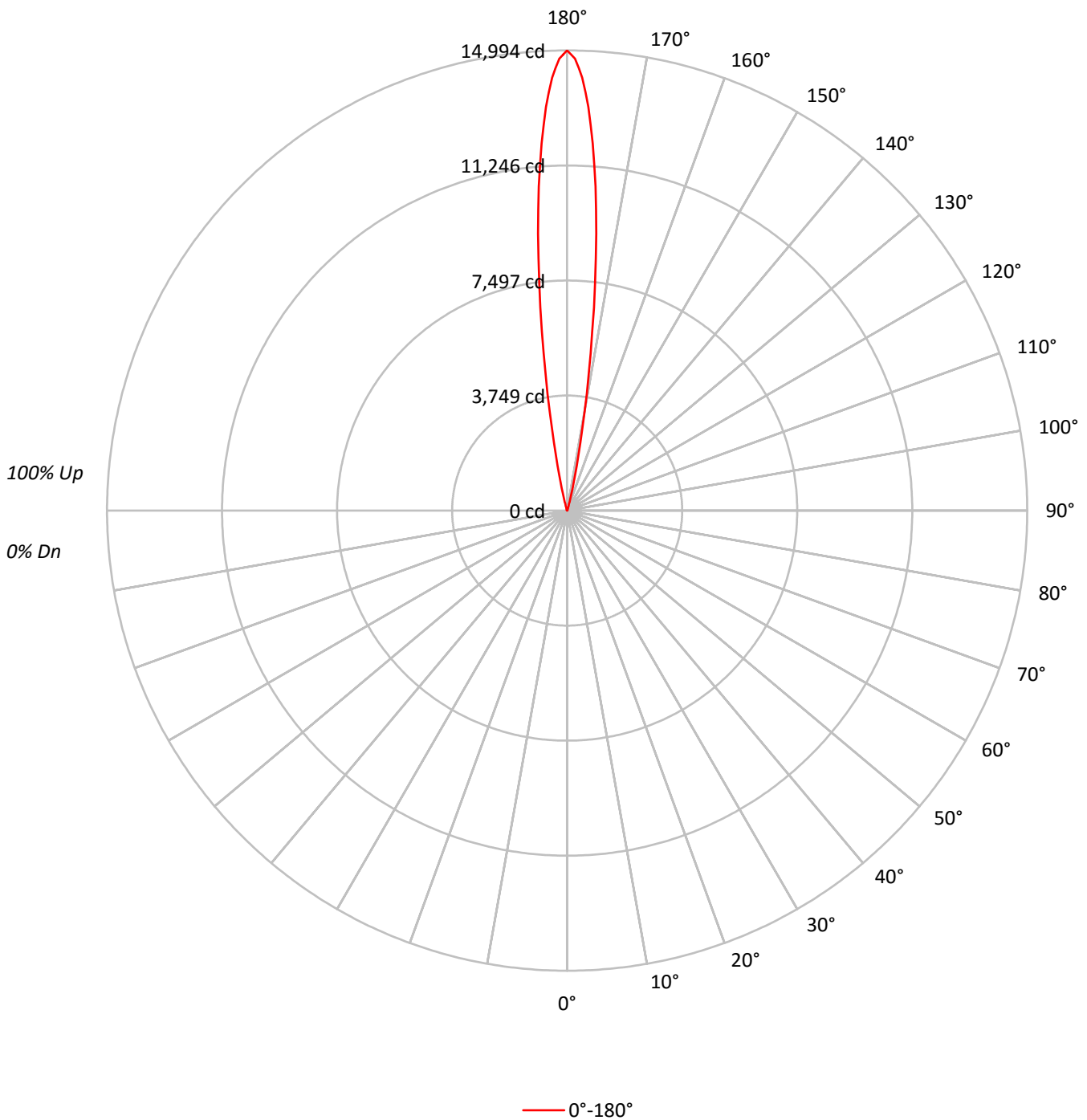
Lumens per Lamp: N/A
Luminaire Lumens: 971.3 lumens
Efficiency: N/A
Efficacy: 58.5 lumens/watt
N/A
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Indirect

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°	186
125°	325
130°	290
135°	395
140°	729
145°	1250
150°	2050
155°	3089
160°	4671
165°	24559
170°	235852
175°	762181



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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°	0.2	0.0
120°-130°	1.9	0.2
130°-140°	3.5	0.4
140°-150°	9.1	0.9
150°-160°	18.1	1.9
160°-170°	180.8	18.6
170°-180°	757.7	78.0
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°	0.2	0.0
90°-150°	14.6	1.5
90°-180°	971.0	100.0
0°-180°	971.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
90°	0	
95°	0	0
105°	0	0
115°	0	0
125°	3	2
135°	4	3
145°	14	9
155°	39	18
165°	331	181
175°	10604	758
180°	14994	



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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°	0.0
120°	1.3
122.5°	1.3
125°	2.6
127.5°	2.6
130°	2.6
132.5°	3.9
135°	3.9
137.5°	5.2
140°	7.8
142.5°	10.4
145°	14.3
147.5°	18.3
150°	24.8
152.5°	31.3
155°	39.1
157.5°	47.0
160°	61.3
162.5°	107.0
165°	331.3
166°	567.4
167°	943.0
168°	1493.5
169°	2257.8
170°	3243.9
171°	4469.9
172°	5896.9
173°	7451.6
174°	9078.1
175°	10604.2
176°	11994.6
177°	13172.4
178°	14115.4
179°	14728.5



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CANDELA DISTRIBUTION (continued):

180° $\left| \begin{array}{c} 0^\circ \\ 14994.5 \end{array} \right.$

(END OF REPORT)