

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: P253126

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253126
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P23732)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 3002A-18LED3000-SP-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

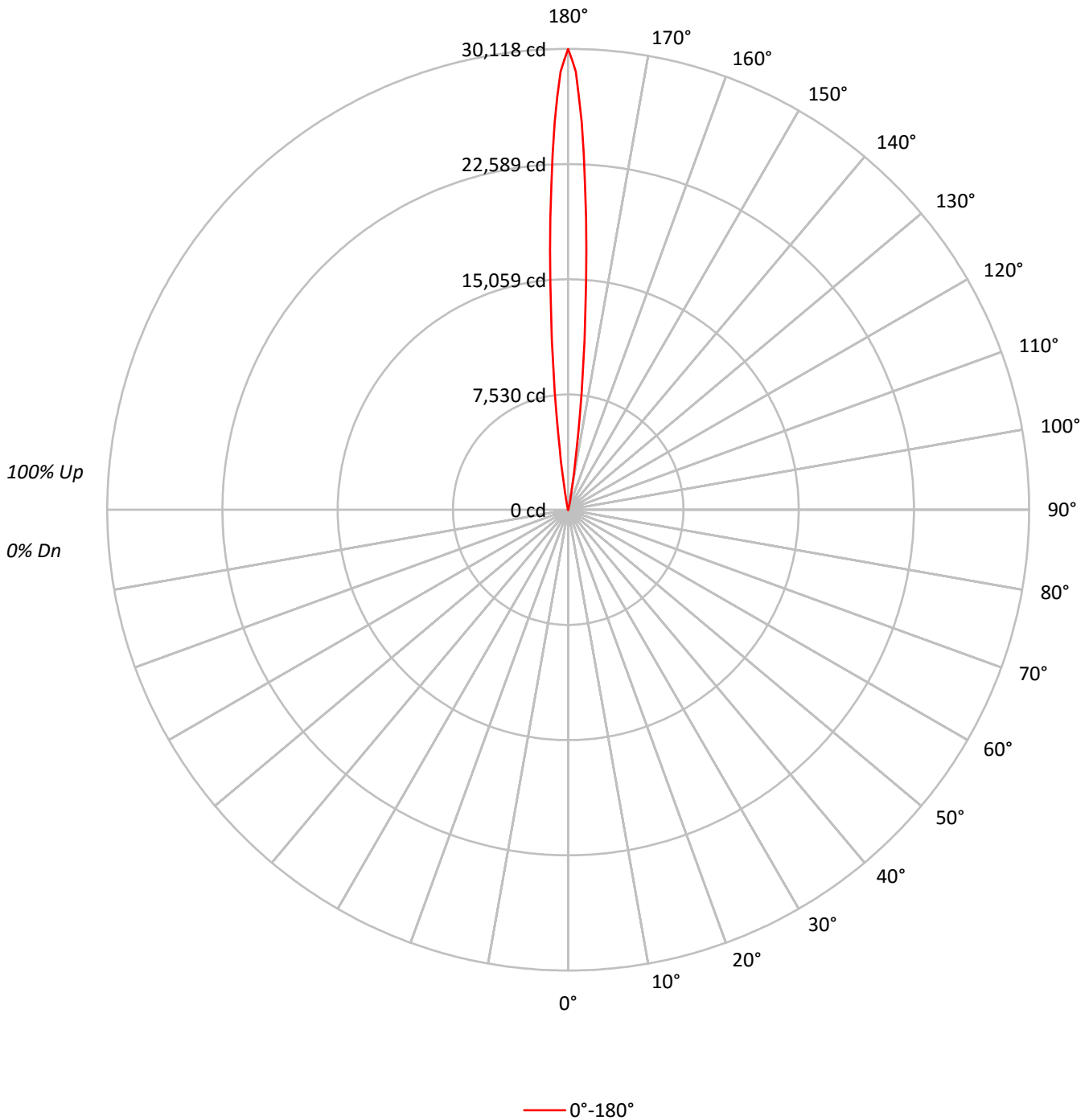
Lumens per Lamp: N/A
Luminaire Lumens: 967.3 lumens
Efficiency: N/A
Efficacy: 58.3 lumens/watt
N/A
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Indirect

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°	1068
100°	2144
105°	719
110°	816
115°	3100
120°	931
125°	811
130°	1448
135°	790
140°	243
145°	341
150°	967
155°	2473
160°	3376
165°	10926
170°	104130
175°	927552



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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°	2.5	0.3
100°-110°	6.4	0.7
110°-120°	9.7	1.0
120°-130°	8.4	0.9
130°-140°	4.6	0.5
140°-150°	5.4	0.6
150°-160°	11.1	1.2
160°-170°	73.3	7.6
170°-180°	846.0	87.5
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°	18.5	1.9
90°-150°	36.9	3.8
90°-180°	967.0	100.0
0°-180°	967.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
90°	0	
95°	1	2
105°	3	6
115°	18	10
125°	6	8
135°	8	5
145°	4	5
155°	31	11
165°	147	73
175°	12905	846
180°	30118	



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CANDELA DISTRIBUTION (FULL):

	0°
90°	0.0
92.5°	2.6
95°	1.3
97.5°	2.6
100°	5.2
102.5°	9.1
105°	2.6
107.5°	7.8
110°	3.9
112.5°	6.5
115°	18.3
117.5°	9.1
120°	6.5
122.5°	15.7
125°	6.5
127.5°	5.2
130°	13.0
132.5°	5.2
135°	7.8
137.5°	2.6
140°	2.6
142.5°	3.9
145°	3.9
147.5°	20.9
150°	11.7
152.5°	19.6
155°	31.3
157.5°	19.6
160°	44.3
162.5°	78.3
165°	147.4
166°	208.7
167°	315.6
168°	511.3
169°	855.6
170°	1432.2
171°	2413.0
172°	3966.5
173°	6260.8
174°	9279.0
175°	12905.0
176°	17005.8
177°	21162.7
178°	25345.7
179°	28646.9



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CANDELA DISTRIBUTION (continued):

180° $\left| \begin{array}{c} 0^\circ \\ 30118.2 \end{array} \right.$

(END OF REPORT)