

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: P253128

Luminaire Tested: **3002A-18LED3500-MFL-UNV-NBR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253128  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P22981)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 3002A-18LED3500-MFL-UNV-NBR  
Description: LUMIERE MONACO INGRADE TEST FIXTURE WITH MEDIUM FLOOD OPTICS  
Light Source: (7) 3500K CCT, 80 CRI LEDS  
LBA-8057XPG2-35K  
Ballast/Driver: (1) MAGTECH ELECTRONIC DRIVER  
LP1020-24-C0700

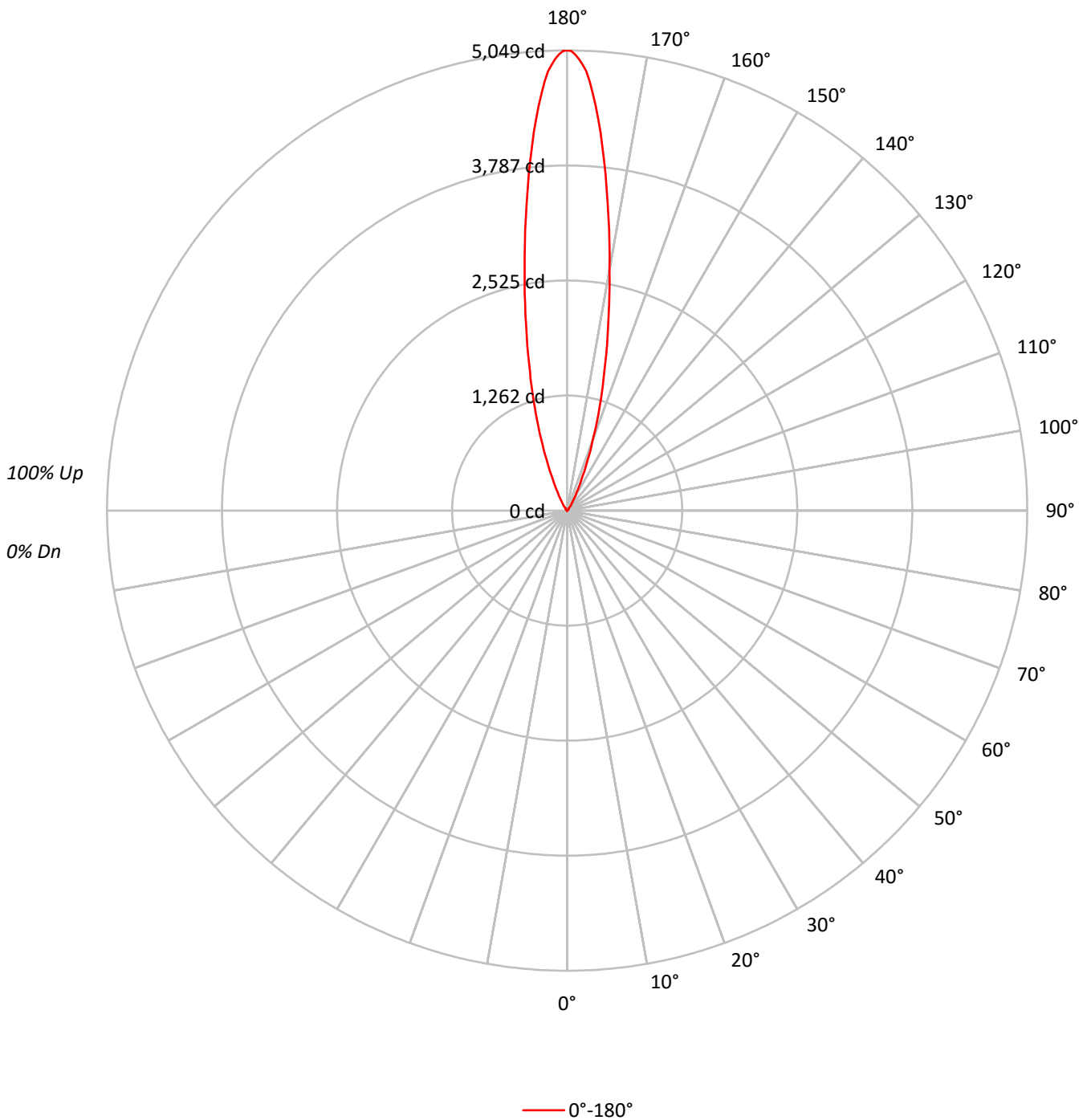
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1024.3 lumens  
Efficiency: N/A  
Efficacy: 61.7 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°	332
110°	251
115°	203
120°	0
125°	150
130°	0
135°	1610
140°	2561
145°	5787
150°	12170
155°	27952
160°	62794
165°	116922
170°	194759
175°	300072



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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°	0.7	0.1
100°-110°	0.8	0.1
110°-120°	1.6	0.2
120°-130°	0.8	0.1
130°-140°	8.3	0.8
140°-150°	43.4	4.2
150°-160°	179.1	17.5
160°-170°	440.1	43.0
170°-180°	349.8	34.2
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°	3.1	0.3
90°-150°	55.6	5.4
90°-180°	1025.0	100.1
0°-180°	1024.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
90°	0	
95°	0	1
105°	1	1
115°	1	2
125°	1	1
135°	16	8
145°	66	43
155°	354	179
165°	1577	440
175°	4175	350
180°	5049	



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**CANDELA DISTRIBUTION (FULL):**

	0°
90°	0.0
92.5°	0.0
95°	0.0
97.5°	1.2
100°	0.0
102.5°	1.2
105°	1.2
107.5°	0.0
110°	1.2
112.5°	3.4
115°	1.2
117.5°	1.2
120°	0.0
122.5°	1.2
125°	1.2
127.5°	1.2
130°	0.0
132.5°	0.0
135°	15.9
137.5°	14.9
140°	27.4
142.5°	34.2
145°	66.2
147.5°	98.2
150°	147.2
152.5°	231.7
155°	353.8
157.5°	554.7
160°	824.1
162.5°	1179.0
165°	1577.3
167.5°	2076.1
170°	2678.7
172.5°	3405.6
175°	4174.9
175.5°	4316.4
176°	4460.3
176.5°	4587.0
177°	4716.0
177.5°	4825.5
178°	4893.9
178.5°	4956.7
179°	5007.0
179.5°	5043.5
180°	5049.2

(END OF REPORT)