

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: P253144

Luminaire Tested: **3002A-25LED3500-MFL-UNV-NBR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253144  
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-25LED3500-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: -  
ESS030W-1000-24-CPL

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1304.0 lumens  
Efficiency: N/A  
Efficacy: 52.0 lumens/watt  
N/A  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Indirect

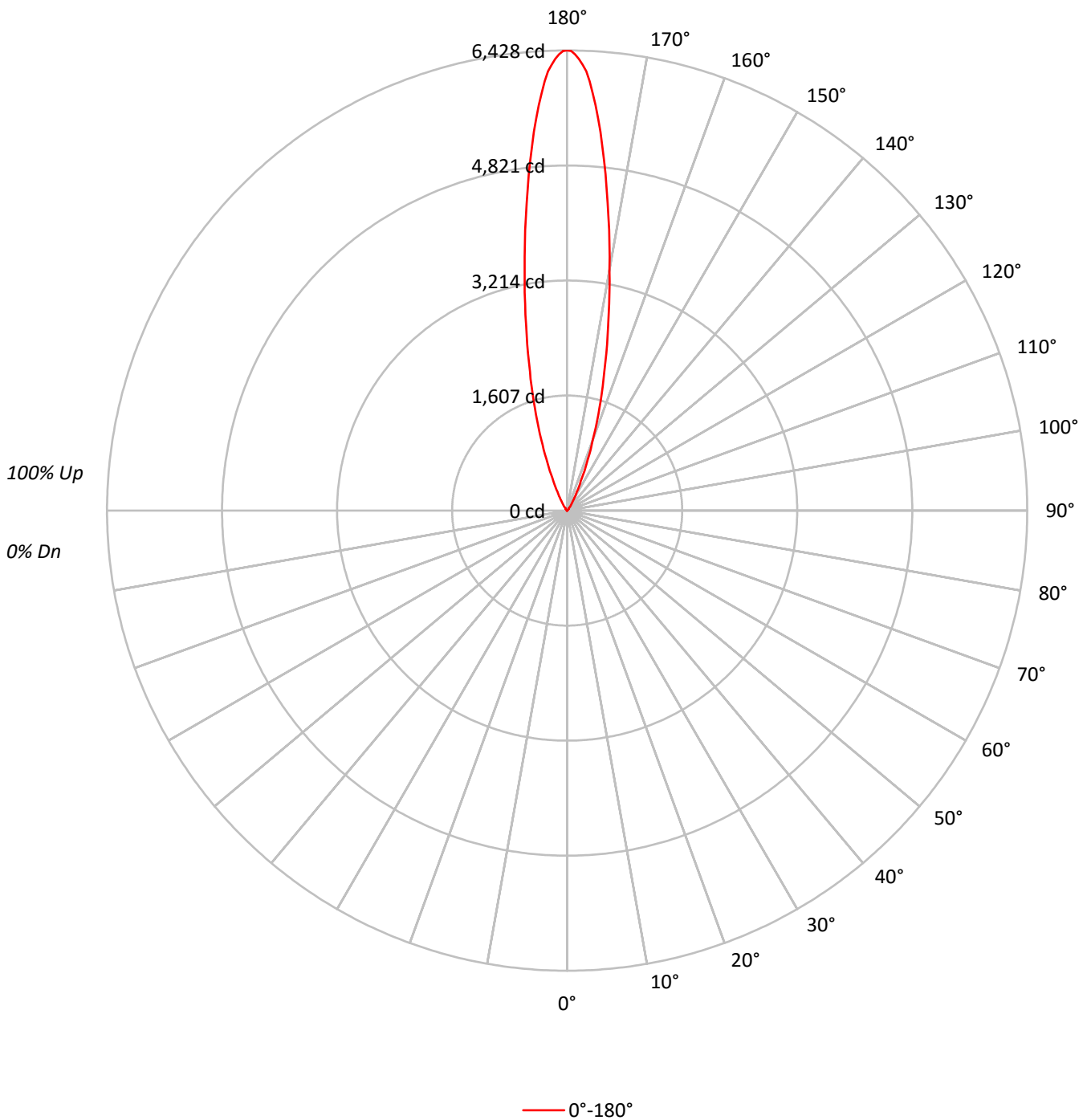
Input Watts (W): 25.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P253144

CATALOG NUMBER: 3002A-25LED3500-MFL-UNV-NBR

### Luminous Intensity Polar Plot





TEST NUMBER: P253144

CATALOG NUMBER: 3002A-25LED3500-MFL-UNV-NBR

**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°	415
110°	314
115°	254
120°	0
125°	187
130°	0
135°	2056
140°	3253
145°	7360
150°	15502
155°	35575
160°	79938
165°	148856
170°	247943
175°	382018



TEST NUMBER: P253144

CATALOG NUMBER: 3002A-25LED3500-MFL-UNV-NBR

**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°	0.8	0.1
100°-110°	1.0	0.1
110°-120°	2.0	0.2
120°-130°	1.0	0.1
130°-140°	10.6	0.8
140°-150°	55.2	4.2
150°-160°	228.0	17.5
160°-170°	560.3	43.0
170°-180°	445.3	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°	3.9	0.3
90°-150°	70.7	5.4
90°-180°	1304.0	100.0
0°-180°	1304.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
90°	0	
95°	0	1
105°	2	1
115°	2	2
125°	2	1
135°	20	11
145°	84	55
155°	450	228
165°	2008	560
175°	5315	445
180°	6428	



TEST NUMBER: P253144

CATALOG NUMBER: 3002A-25LED3500-MFL-UNV-NBR

**CANDELA DISTRIBUTION (FULL):**

	0°
90°	0.0
92.5°	0.0
95°	0.0
97.5°	1.5
100°	0.0
102.5°	1.5
105°	1.5
107.5°	0.0
110°	1.5
112.5°	4.4
115°	1.5
117.5°	1.5
120°	0.0
122.5°	1.5
125°	1.5
127.5°	1.5
130°	0.0
132.5°	0.0
135°	20.3
137.5°	18.9
140°	34.8
142.5°	43.6
145°	84.2
147.5°	124.9
150°	187.5
152.5°	295.0
155°	450.3
157.5°	706.2
160°	1049.1
162.5°	1501.0
165°	2008.1
167.5°	2643.1
170°	3410.2
172.5°	4335.7
175°	5315.0
175.5°	5495.2
176°	5678.4
176.5°	5839.7
177°	6003.9
177.5°	6143.4
178°	6230.5
178.5°	6310.4
179°	6374.3
179.5°	6420.9
180°	6428.2

(END OF REPORT)