

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: P253139

Luminaire Tested: **3002A-25LED2700-WFL-UNV-NBR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253139  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P22982)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 3002A-25LED2700-WFL-UNV-NBR  
Description: LUMIERE MONACO INGRADE TEST FIXTURE WITH WIDE FLOOD OPTICS  
Light Source: (7) 2700K CCT, 90 CRI LEDS  
LBA-8057XPG2-2K  
Ballast/Driver: -  
ESS030W-1000-24-CPL

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 938.8 lumens  
Efficiency: N/A  
Efficacy: 37.4 lumens/watt  
N/A  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Indirect

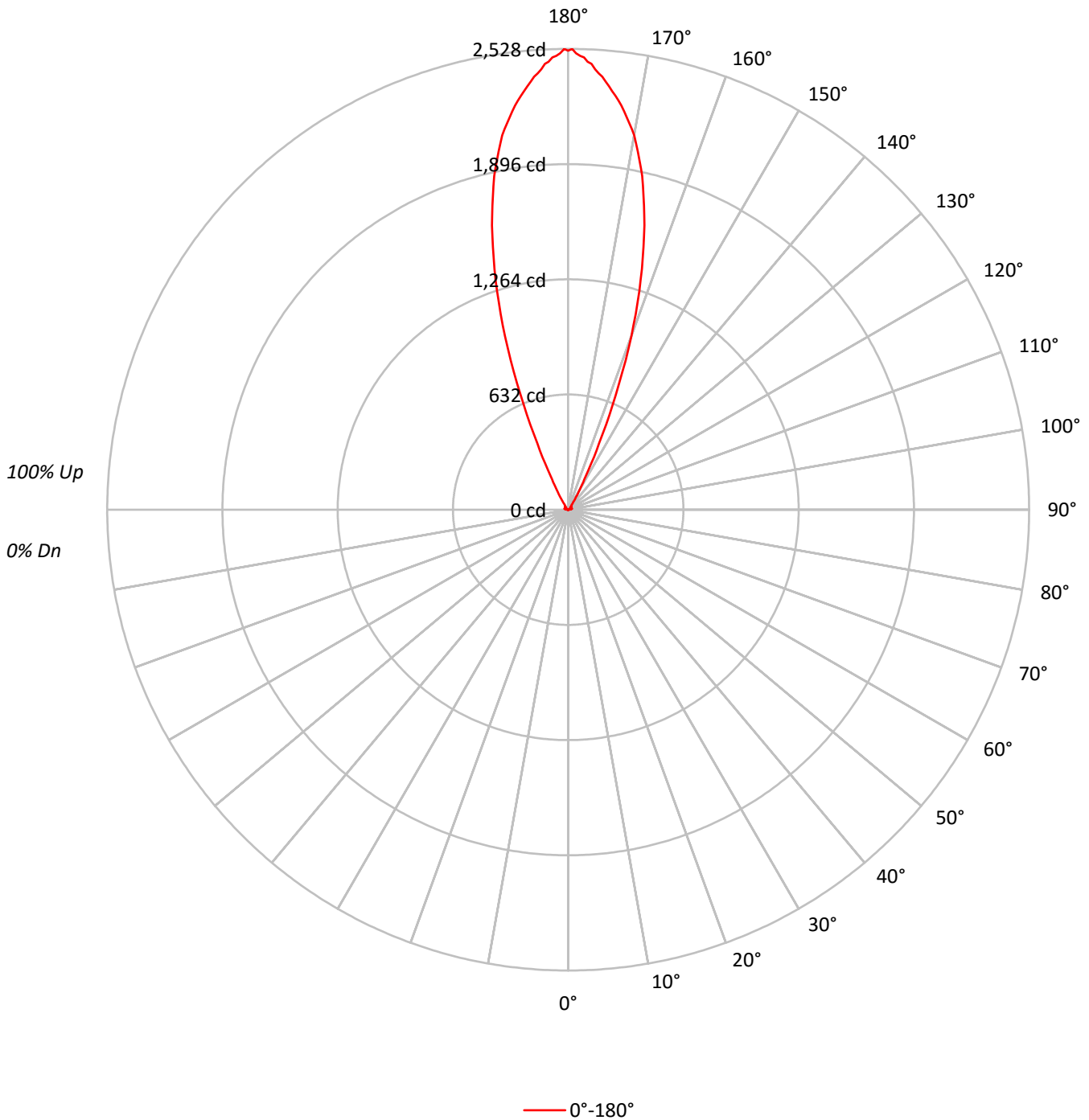
Input Watts (W): 25.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	822
100°	1155
105°	3126
110°	2763
115°	169
120°	2707
125°	1648
130°	2406
135°	1428
140°	2206
145°	3129
150°	10136
155°	31586
160°	77089
165°	119731
170°	151644
175°	169496



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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°	12.1	1.3
110°-120°	7.3	0.8
120°-130°	15.2	1.6
130°-140°	15.5	1.7
140°-150°	32.3	3.4
150°-160°	202.0	21.5
160°-170°	435.2	46.4
170°-180°	216.7	23.1
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°	21.9	2.3
90°-150°	84.9	9.0
90°-180°	939.0	100.0
0°-180°	938.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
90°	0	
95°	1	2
105°	11	12
115°	1	7
125°	13	15
135°	14	16
145°	36	32
155°	400	202
165°	1615	435
175°	2358	217
180°	2518	



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**CANDELA DISTRIBUTION (FULL):**

	0°
90°	0.0
92.5°	5.6
95°	1.0
97.5°	1.0
100°	2.8
102.5°	22.6
105°	11.3
107.5°	3.8
110°	13.2
112.5°	8.5
115°	1.0
117.5°	3.8
120°	18.9
122.5°	13.2
125°	13.2
127.5°	21.6
130°	21.6
132.5°	24.5
135°	14.1
137.5°	18.9
140°	23.6
142.5°	31.2
145°	35.8
147.5°	72.6
150°	122.6
152.5°	205.6
155°	399.8
157.5°	679.8
160°	1011.7
162.5°	1323.8
165°	1615.2
167.5°	1874.5
170°	2085.7
172.5°	2236.5
175°	2358.2
175.5°	2382.7
176°	2399.6
176.5°	2420.5
177°	2449.6
177.5°	2460.0
178°	2482.6
178.5°	2491.1
179°	2504.4
179.5°	2527.9
180°	2518.5

(END OF REPORT)