

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: P253147

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253147
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-25LED3500-WFL-UNV-NBR
Description: LUMIERE MONACO INGRADE TEST FIXTURE WITH WIDE 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: 1446.6 lumens
Efficiency: N/A
Efficacy: 57.6 lumens/watt
N/A
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Indirect

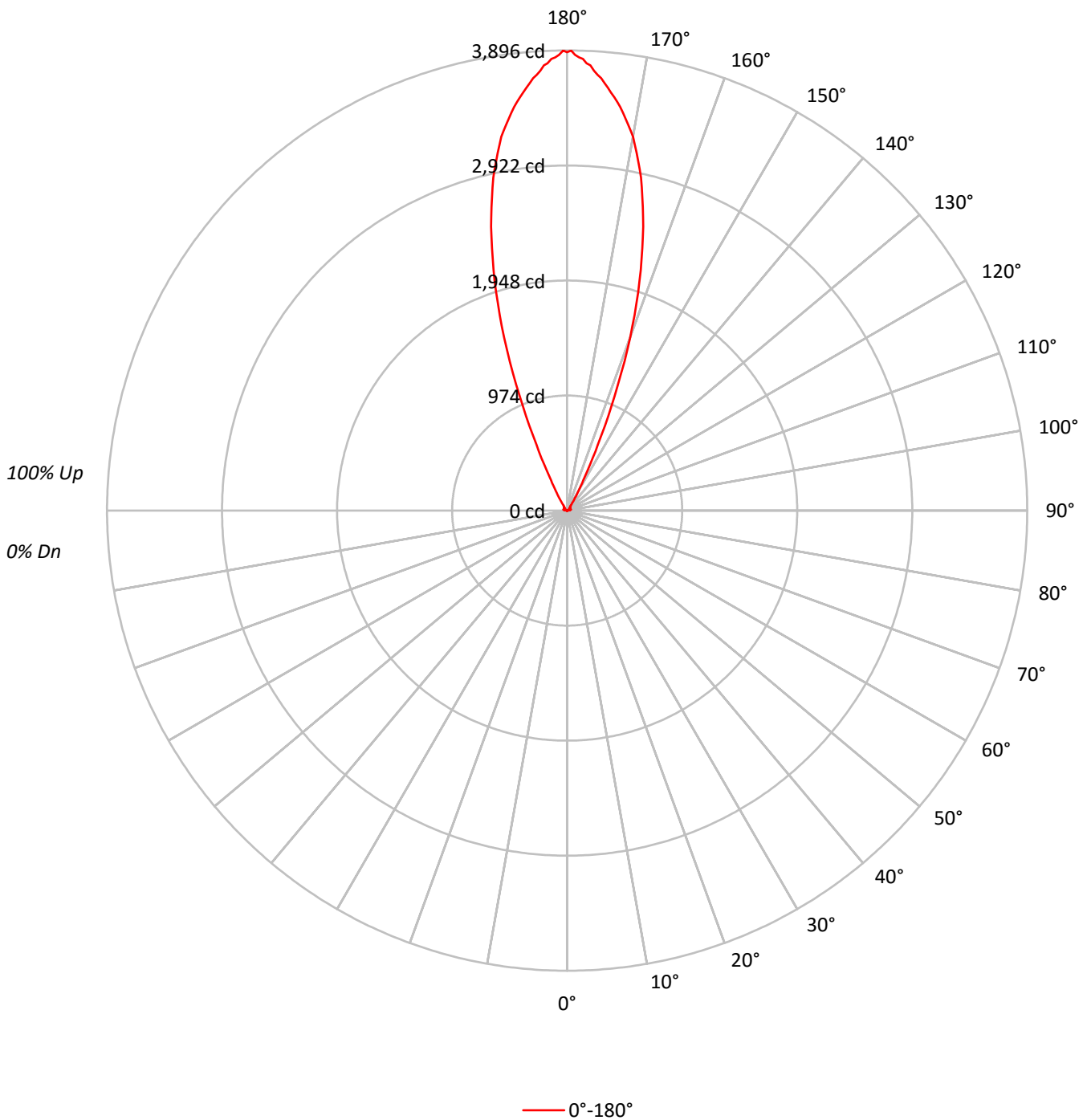
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1232
100°	1814
105°	4814
110°	4250
115°	254
120°	4167
125°	2534
130°	3721
135°	2207
140°	3393
145°	4816
150°	15626
155°	48674
160°	118791
165°	184504
170°	233686
175°	261202



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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°	3.8	0.3
100°-110°	18.7	1.3
110°-120°	11.2	0.8
120°-130°	23.5	1.6
130°-140°	24.0	1.7
140°-150°	49.7	3.4
150°-160°	311.2	21.5
160°-170°	670.7	46.4
170°-180°	334.0	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°	33.6	2.3
90°-150°	130.8	9.0
90°-180°	1447.0	100.0
0°-180°	1446.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
90°	0	
95°	2	4
105°	17	19
115°	2	11
125°	20	23
135°	22	24
145°	55	50
155°	616	311
165°	2489	671
175°	3634	334
180°	3881	



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CANDELA DISTRIBUTION (FULL):

	0°
90°	0.0
92.5°	8.6
95°	1.5
97.5°	1.5
100°	4.4
102.5°	34.8
105°	17.4
107.5°	5.8
110°	20.3
112.5°	13.1
115°	1.5
117.5°	5.8
120°	29.1
122.5°	20.3
125°	20.3
127.5°	33.4
130°	33.4
132.5°	37.7
135°	21.8
137.5°	29.1
140°	36.3
142.5°	48.0
145°	55.1
147.5°	111.9
150°	189.0
152.5°	316.8
155°	616.1
157.5°	1047.6
160°	1559.0
162.5°	2040.0
165°	2489.0
167.5°	2888.6
170°	3214.1
172.5°	3446.5
175°	3634.1
175.5°	3671.8
176°	3697.9
176.5°	3730.0
177°	3774.9
177.5°	3791.0
178°	3825.8
178.5°	3838.8
179°	3859.3
179.5°	3895.5
180°	3881.1

(END OF REPORT)