

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: P253141

Luminaire Tested: **3002A-25LED3000-NFL-UNV-NBR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253141
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P23736)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 3002A-25LED3000-NFL-UNV-NBR
Description: LUMIERE MONACO 30002 LED FIXTURE, GROUND RECESSED.
Light Source: (7) 3000K CCT, 80 CRI LEDS
LBA-80578XPG2-3K
Ballast/Driver: -
ESS030W-1000-24-CPL

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1236.5 lumens
Efficiency: N/A
Efficacy: 49.3 lumens/watt
N/A
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Indirect

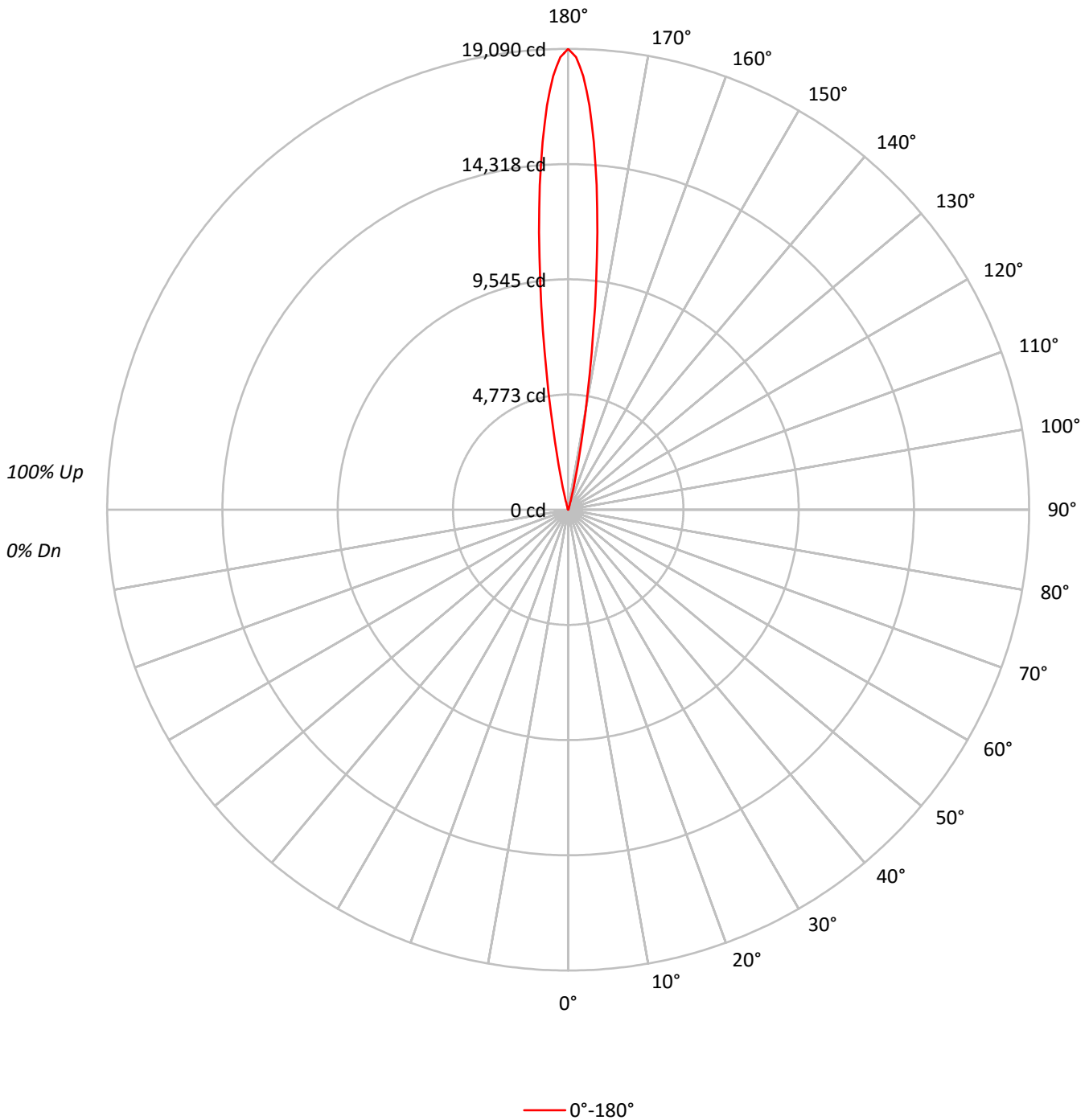
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	0
100°	0
105°	0
110°	0
115°	0
120°	243
125°	412
130°	368
135°	506
140°	925
145°	1591
150°	2613
155°	3934
160°	5943
165°	31267
170°	300263
175°	970332



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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°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.2	0.0
120°-130°	2.4	0.2
130°-140°	4.4	0.4
140°-150°	11.6	0.9
150°-160°	23.0	1.9
160°-170°	230.2	18.6
170°-180°	964.7	78.0
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°	0.2	0.0
90°-150°	18.6	1.5
90°-180°	1237.0	100.0
0°-180°	1236.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
90°	0	
95°	0	0
105°	0	0
115°	0	0
125°	3	2
135°	5	4
145°	18	12
155°	50	23
165°	422	230
175°	13500	965
180°	19090	



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CANDELA DISTRIBUTION (FULL):

	0°
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0
112.5°	0.0
115°	0.0
117.5°	0.0
120°	1.7
122.5°	1.7
125°	3.3
127.5°	3.3
130°	3.3
132.5°	5.0
135°	5.0
137.5°	6.6
140°	9.9
142.5°	13.2
145°	18.2
147.5°	23.3
150°	31.6
152.5°	39.8
155°	49.8
157.5°	59.8
160°	78.0
162.5°	136.2
165°	421.8
166°	722.4
167°	1200.5
168°	1901.4
169°	2874.4
170°	4129.8
171°	5690.6
172°	7507.3
173°	9486.6
174°	11557.3
175°	13500.2
176°	15270.3
177°	16769.8
178°	17970.3
179°	18750.8



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CANDELA DISTRIBUTION (continued):

180° $\left| \begin{array}{c} 0^\circ \\ \hline 19089.5 \end{array} \right.$

(END OF REPORT)