

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: P253131

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253131
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-18LED3500-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: (1) MAGTECH ELECTRONIC DRIVER
LP1020-24-C0700

Summary

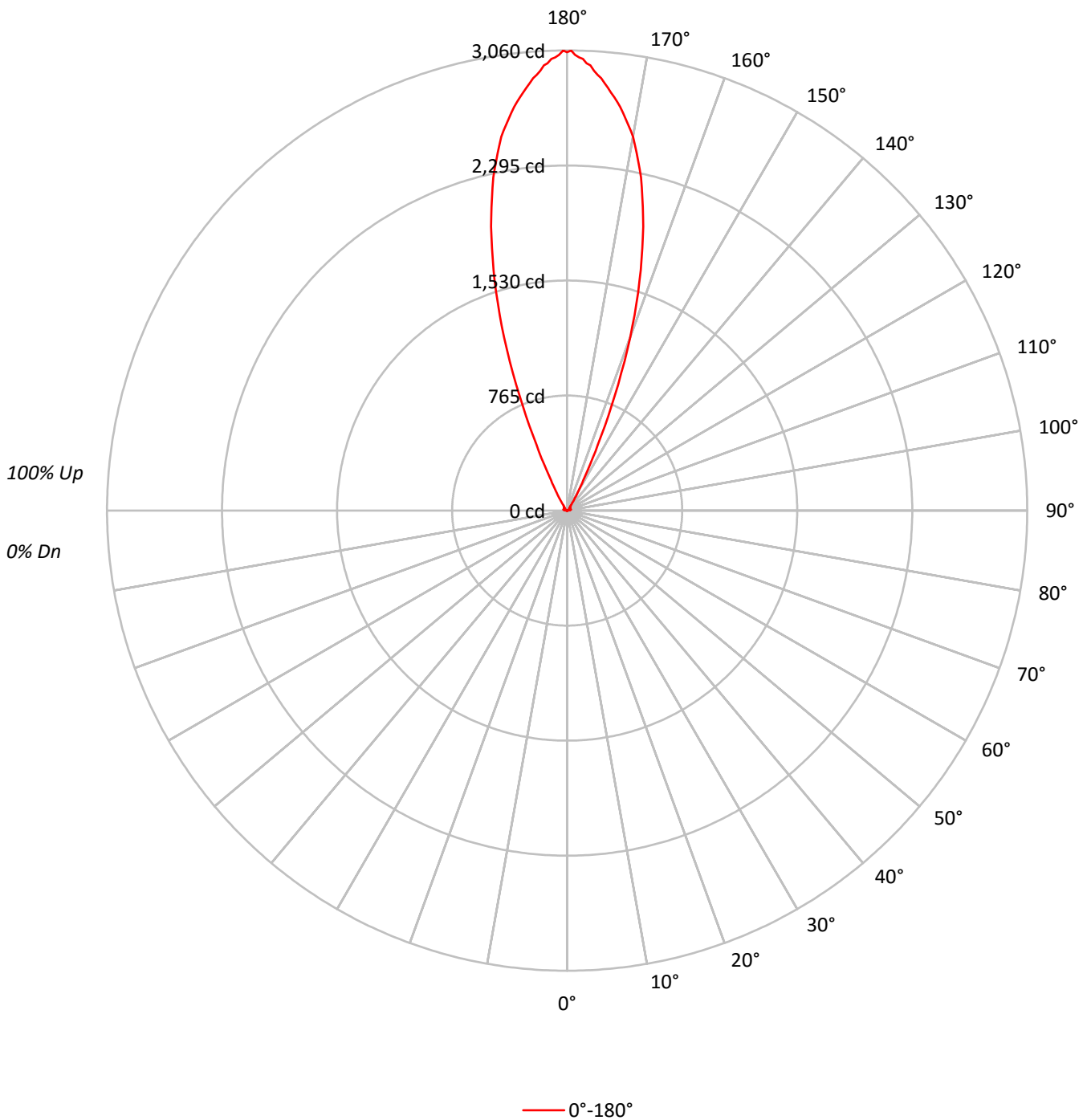
Lumens per Lamp: N/A
Luminaire Lumens: 1136.3 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
N/A
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Indirect

Input Watts (W): 16.7
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°	986
100°	1402
105°	3790
110°	3329
115°	203
120°	3265
125°	1985
130°	2918
135°	1732
140°	2673
145°	3785
150°	12270
155°	38230
160°	93311
165°	144927
170°	183555
175°	205168



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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°	3.0	0.3
100°-110°	14.7	1.3
110°-120°	8.8	0.8
120°-130°	18.4	1.6
130°-140°	18.8	1.7
140°-150°	39.0	3.4
150°-160°	244.5	21.5
160°-170°	526.8	46.4
170°-180°	262.3	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°	26.5	2.3
90°-150°	102.7	9.0
90°-180°	1136.0	100.0
0°-180°	1136.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
90°	0	
95°	1	3
105°	14	15
115°	1	9
125°	16	18
135°	17	19
145°	43	39
155°	484	244
165°	1955	527
175°	2854	262
180°	3048	



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CANDELA DISTRIBUTION (FULL):

	0°
90°	0.0
92.5°	6.8
95°	1.2
97.5°	1.2
100°	3.4
102.5°	27.4
105°	13.7
107.5°	4.6
110°	15.9
112.5°	10.3
115°	1.2
117.5°	4.6
120°	22.8
122.5°	15.9
125°	15.9
127.5°	26.2
130°	26.2
132.5°	29.6
135°	17.1
137.5°	22.8
140°	28.6
142.5°	37.7
145°	43.3
147.5°	87.9
150°	148.4
152.5°	248.8
155°	483.9
157.5°	822.9
160°	1224.6
162.5°	1602.4
165°	1955.1
167.5°	2268.9
170°	2524.6
172.5°	2707.2
175°	2854.5
175.5°	2884.1
176°	2904.6
176.5°	2929.8
177°	2965.2
177.5°	2977.7
178°	3005.1
178.5°	3015.3
179°	3031.4
179.5°	3059.8
180°	3048.5

(END OF REPORT)