

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: P253135

Luminaire Tested: **3002A-18LED4000-WFL-UNV-NBR**

Test Date: 11/19/12

Test Information

Test Method: LM-79-08
Report Number: P253135
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P22982)
Test Lab: INNOVATION CENTER P2
Test Date: 11/19/12
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 3002A-18LED4000-WFL-UNV-NBR
Description: LUMIERE MONACO INGRADE TEST FIXTURE WITH WIDE FLOOD OPTICS
Light Source: (7) 4000K CCT, 80 CRI LEDS
LBA-8057XPG2-4K
Ballast/Driver: (1) MAGTECH ELECTRONIC DRIVER
LP1020-24-C0700

Summary

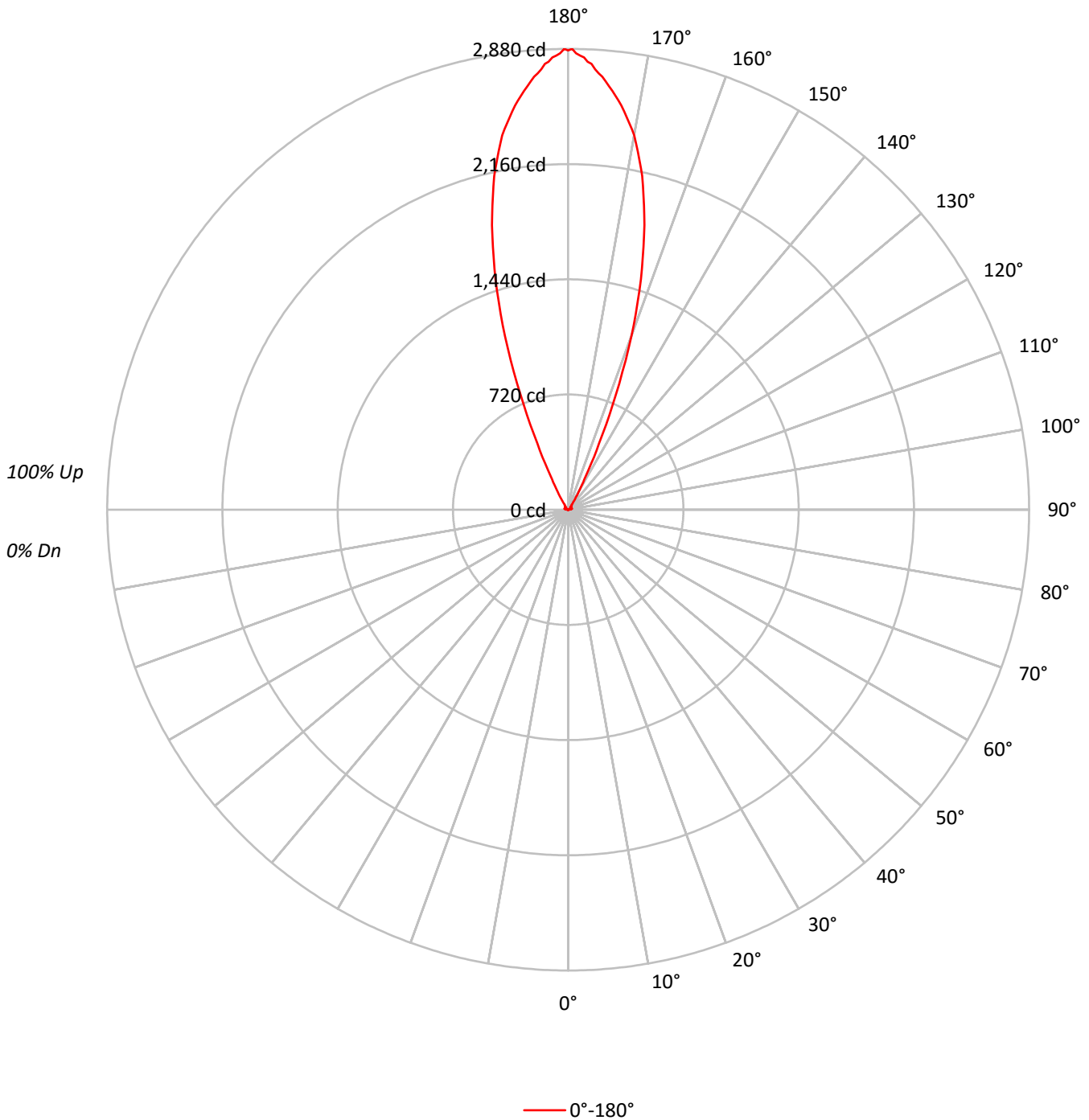
Lumens per Lamp: N/A
Luminaire Lumens: 1069.6 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
N/A
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Indirect

Input Watts (W): 16.7
Input Voltage (V): NR
Input Current (A_{in}): 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°	904
100°	1319
105°	3569
110°	3140
115°	186
120°	3079
125°	1873
130°	2751
135°	1630
140°	2514
145°	3566
150°	11550
155°	35986
160°	87832
165°	136417
170°	172780
175°	193122



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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°	2.8	0.3
100°-110°	13.8	1.3
110°-120°	8.3	0.8
120°-130°	17.4	1.6
130°-140°	17.7	1.7
140°-150°	36.8	3.4
150°-160°	230.1	21.5
160°-170°	495.9	46.4
170°-180°	246.9	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°	24.9	2.3
90°-150°	96.7	9.0
90°-180°	1070.0	100.0
0°-180°	1069.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
90°	0	
95°	1	3
105°	13	14
115°	1	8
125°	15	17
135°	16	18
145°	41	37
155°	456	230
165°	1840	496
175°	2687	247
180°	2870	



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CANDELA DISTRIBUTION (FULL):

	0°
90°	0.0
92.5°	6.4
95°	1.1
97.5°	1.1
100°	3.2
102.5°	25.8
105°	12.9
107.5°	4.3
110°	15.0
112.5°	9.7
115°	1.1
117.5°	4.3
120°	21.5
122.5°	15.0
125°	15.0
127.5°	24.7
130°	24.7
132.5°	27.9
135°	16.1
137.5°	21.5
140°	26.9
142.5°	35.5
145°	40.8
147.5°	82.7
150°	139.7
152.5°	234.2
155°	455.5
157.5°	774.6
160°	1152.7
162.5°	1508.3
165°	1840.3
167.5°	2135.7
170°	2376.4
172.5°	2548.3
175°	2686.9
175.5°	2714.8
176°	2734.1
176.5°	2757.8
177°	2791.1
177.5°	2802.9
178°	2828.7
178.5°	2838.3
179°	2853.4
179.5°	2880.2
180°	2869.5

(END OF REPORT)