

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: P253132

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

Test Date: 11/19/12

Test Information

Test Method: LM-79-08
Report Number: P253132
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P22981)
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-MFL-UNV-NBR
Description: LUMIERE MONACO INGRADE TEST FIXTURE WITH MEDIUM FLOOD OPTICS
Light Source: (7) 4000K CCT, 80 CRI LEDS
LBA-8057XPG2-4K
Ballast/Driver: (1) MAGTECH ELECTRONIC DRIVER
LP1020-24-C0700

Summary

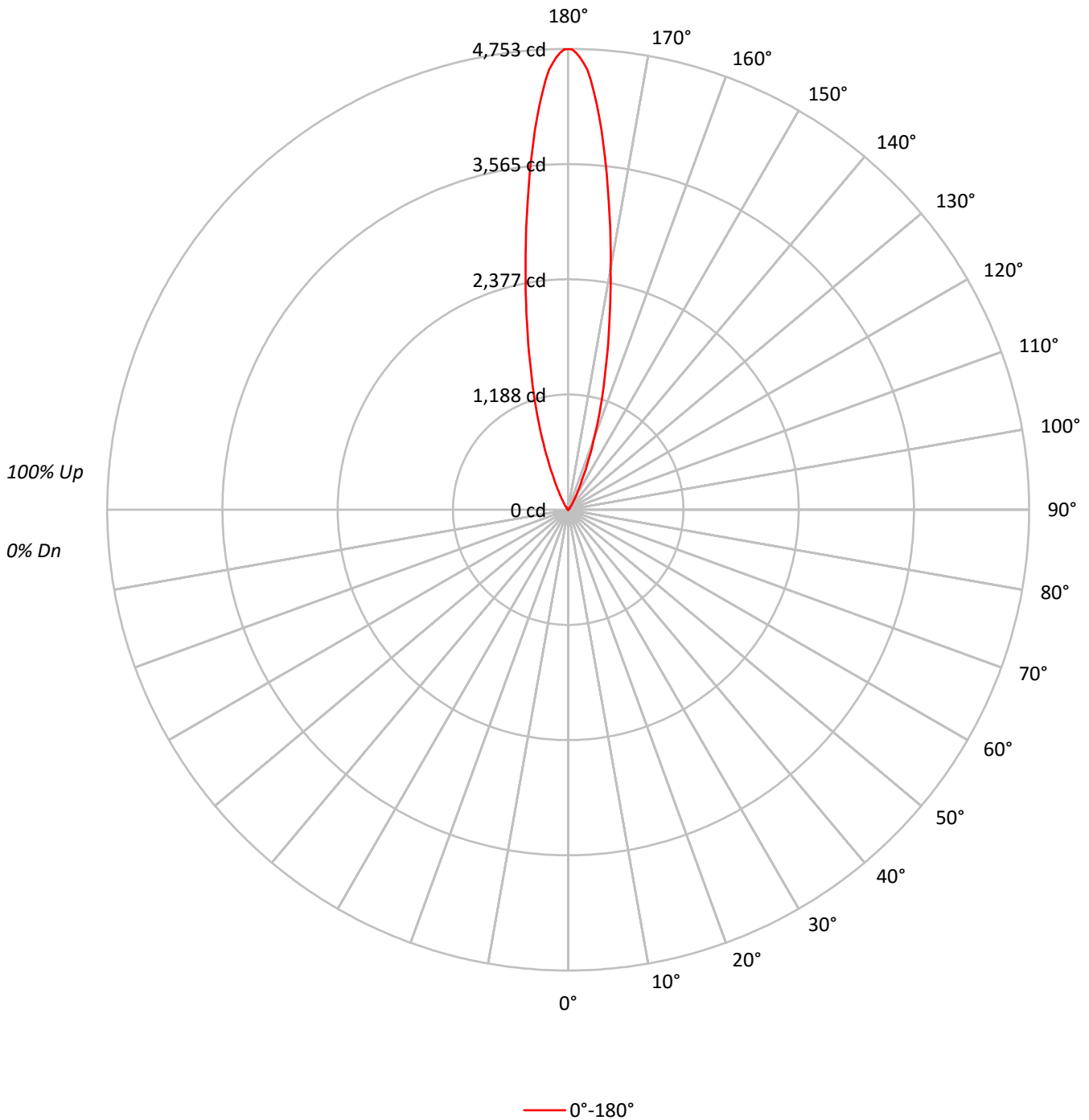
Lumens per Lamp: N/A
Luminaire Lumens: 964.1 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
N/A
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Indirect

Input Watts (W): 16.6
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°	0
100°	0
105°	304
110°	230
115°	186
120°	0
125°	137
130°	0
135°	1519
140°	2412
145°	5446
150°	11459
155°	26308
160°	59106
165°	110057
170°	183322
175°	282456



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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°	0.6	0.1
100°-110°	0.7	0.1
110°-120°	1.5	0.2
120°-130°	0.7	0.1
130°-140°	7.8	0.8
140°-150°	40.8	4.2
150°-160°	168.6	17.5
160°-170°	414.3	43.0
170°-180°	329.3	34.2
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°	2.8	0.3
90°-150°	52.2	5.4
90°-180°	964.0	100.0
0°-180°	964.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
90°	0	
95°	0	1
105°	1	1
115°	1	1
125°	1	1
135°	15	8
145°	62	41
155°	333	169
165°	1485	414
175°	3930	329
180°	4753	



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CANDELA DISTRIBUTION (FULL):

	0°
90°	0.0
92.5°	0.0
95°	0.0
97.5°	1.1
100°	0.0
102.5°	1.1
105°	1.1
107.5°	0.0
110°	1.1
112.5°	3.2
115°	1.1
117.5°	1.1
120°	0.0
122.5°	1.1
125°	1.1
127.5°	1.1
130°	0.0
132.5°	0.0
135°	15.0
137.5°	14.0
140°	25.8
142.5°	32.2
145°	62.3
147.5°	92.4
150°	138.6
152.5°	218.1
155°	333.0
157.5°	522.1
160°	775.7
162.5°	1109.8
165°	1484.7
167.5°	1954.2
170°	2521.4
172.5°	3205.7
175°	3929.8
175.5°	4063.0
176°	4198.4
176.5°	4317.7
177°	4439.1
177.5°	4542.2
178°	4606.6
178.5°	4665.7
179°	4713.0
179.5°	4747.4
180°	4752.8

(END OF REPORT)