

Scaled data based on original data using  
LM-46-04 Photometric Testing of Indoor Luminaires Using High Intensity Discharge or  
Incandescent Filament Lamps (Reaffirmed 2012)

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: LUMIERE

Report Number: P13534

Luminaire Tested: **3000A-MH39T3-WFL-UNV-NBR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-46-04  
Report Number: P13534  
Test Lab: PEACHTREE CITY  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 3000A-MH39T3-WFL-UNV-NBR  
Description: MONACO 3000 INGRADE OUTDOOR WITH CLD10211 WIDE FLOOD REFLECTOR.  
Light Source: (1) PGJ5 BASE CLEAR CERAMIC METAL HALIDE LAMP  
PHILIPS MASTER COLOR 35W/3000K  
Ballast/Driver: (1) LUMIERE ELECTRONIC BALLAST  
71A5281

**Summary**

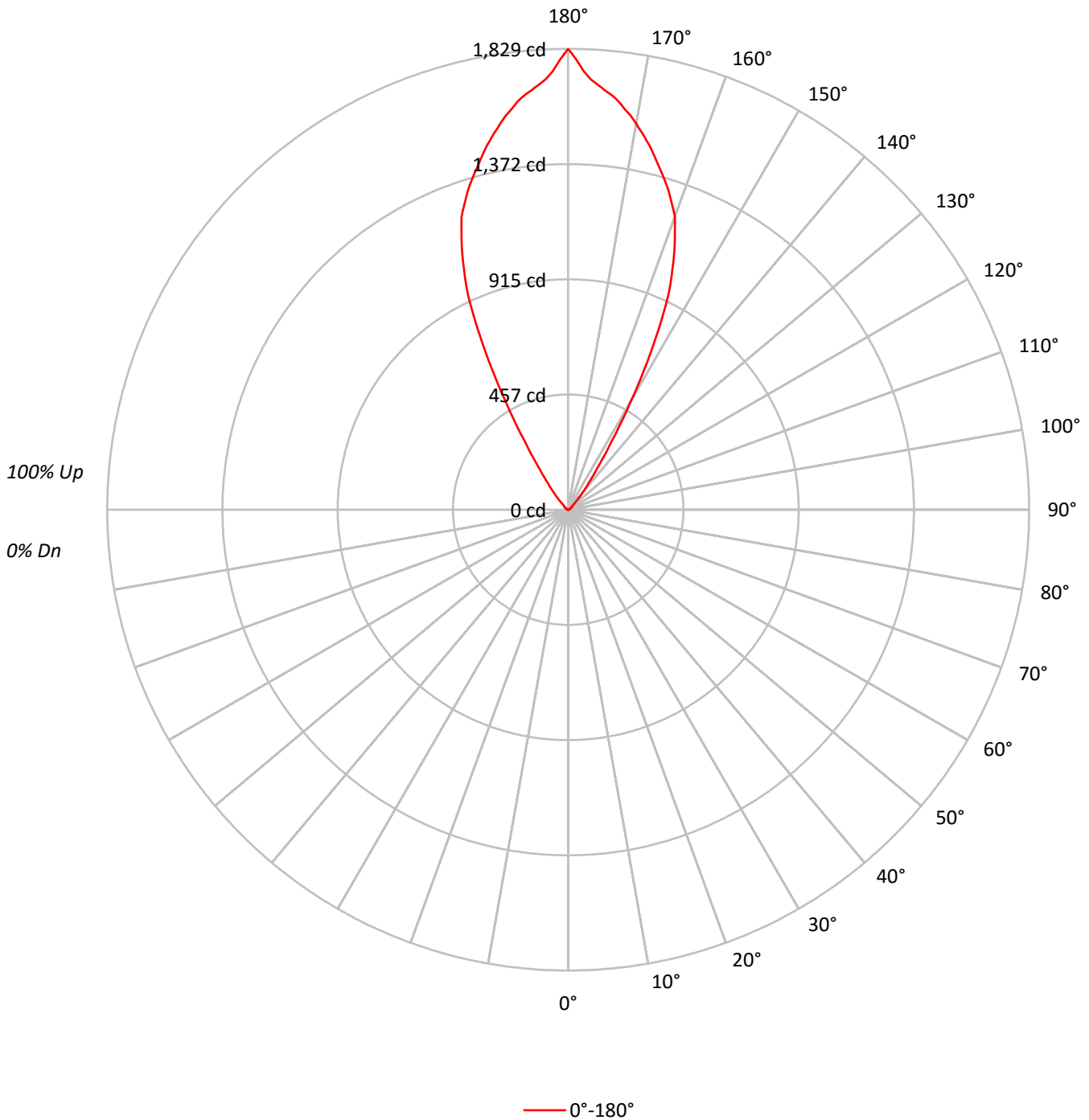
Lumens per Lamp: 3000 (1 lamp)  
Luminaire Lumens: 1159.0 lumens  
Efficiency: 38.6%  
Efficacy: 26.2 lumens/watt  
N/A  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Indirect

Input Watts (W): 44.2  
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: 13 HR  
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	37	37	37	37	31	31	31	31	21	21	21	12	12	12	4	4	4	0
1	33	32	31	29	29	27	26	25	19	18	17	11	10	10	3	3	3	0
2	30	28	26	24	26	24	22	21	16	15	14	9	9	8	3	3	3	0
3	28	24	22	20	24	21	19	17	14	13	12	8	8	7	3	2	2	0
4	25	21	19	17	21	18	16	14	13	11	10	7	7	6	2	2	2	0
5	23	19	16	14	20	16	14	12	11	10	9	7	6	5	2	2	2	0
6	21	17	14	12	18	15	12	10	10	9	7	6	5	4	2	2	1	0
7	19	15	12	10	17	13	11	9	9	8	6	5	4	4	2	1	1	0
8	18	14	11	9	15	12	9	8	8	7	6	5	4	3	2	1	1	0
9	17	12	10	8	14	11	8	7	7	6	5	4	3	3	1	1	1	0
10	15	11	9	7	13	10	7	6	7	5	4	4	3	3	1	1	1	0

**AVERAGE LUMINANCE (cd/sqm):**

	0°
95°	749
100°	376
105°	756
110°	763
115°	1544
120°	1435
125°	1820
130°	2131
135°	3137
140°	7665
145°	15610
150°	37441
155°	67810
160°	85882
165°	94762
170°	103014
175°	109434



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	0.0	0.0	0.0
10°-20°	0.0	0.0	0.0
20°-30°	0.0	0.0	0.0
30°-40°	0.0	0.0	0.0
40°-50°	0.0	0.0	0.0
50°-60°	0.0	0.0	0.0
60°-70°	0.0	0.0	0.0
70°-80°	0.0	0.0	0.0
80°-90°	0.0	0.0	0.0
90°-100°	0.4	0.0	0.0
100°-110°	3.0	0.3	0.1
110°-120°	8.3	0.7	0.3
120°-130°	13.6	1.2	0.5
130°-140°	32.5	2.8	1.1
140°-150°	142.6	12.3	4.8
150°-160°	409.6	35.3	13.7
160°-170°	392.9	33.9	13.1
170°-180°	156.2	13.5	5.2
0°-30°	0.0	0.0	0.0
0°-40°	0.0	0.0	0.0
0°-60°	0.0	0.0	0.0
0°-90°	0.0	0.0	0.0
90°-120°	11.7	1.0	0.4
90°-150°	200.3	17.3	6.7
90°-180°	1159.0	100.0	38.6
0°-180°	1159.0	100.0	38.6

**CANDELA DISTRIBUTION:**

	0°	Flux
90°	0	
95°	1	0
105°	3	3
115°	10	8
125°	16	14
135°	34	32
145°	196	143
155°	942	410
165°	1403	393
175°	1671	156
180°	1829	



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**CANDELA DISTRIBUTION (FULL):**

	0°
90°	0
92.5°	0
95°	1
97.5°	0
100°	1
102.5°	3
105°	3
107.5°	3
110°	4
112.5°	6
115°	10
117.5°	10
120°	11
122.5°	12
125°	16
127.5°	17
130°	21
132.5°	23
135°	34
137.5°	59
140°	90
142.5°	132
145°	196
147.5°	317
150°	497
152.5°	719
155°	942
157.5°	1099
160°	1237
162.5°	1326
165°	1403
167.5°	1483
170°	1555
171°	1584
172°	1607
173°	1634
174°	1654
175°	1671
176°	1690
177°	1711
178°	1742
179°	1788
180°	1829

(END OF REPORT)