

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: P13531

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-46-04  
Report Number: P13531  
Test Lab: PEACHTREE CITY  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 3000A-MH39T3-SP-UNV-NBR  
Description: MONACO 3000 INGRADE OUTDOOR WITH CLD10209 SPOT REFLECTOR.  
Light Source: (1) PGJ5 BASE CLEAR CERAMIC METAL HALIDE LAMP  
PHILIPS MASTER COLOR 35W/3000K  
Ballast/Driver: (1) LUMIERE ELECTRONIC BALLAST  
71A5281

**Summary**

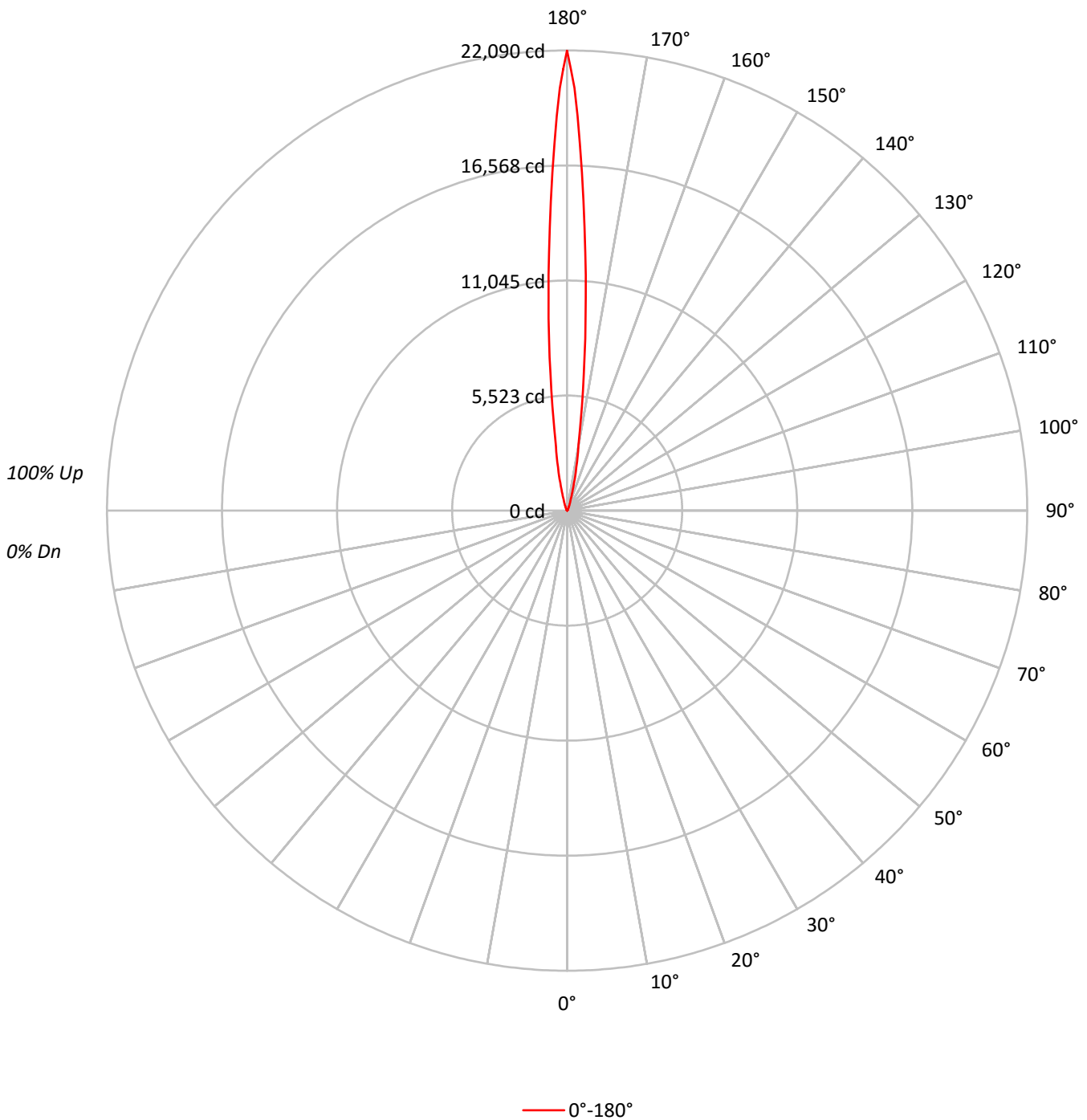
Lumens per Lamp: 3000 (1 lamp)  
Luminaire Lumens: 1213.4 lumens  
Efficiency: 40.4%  
Efficacy: 27.4 lumens/watt  
N/A  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Indirect

Input Watts (W): 44.3  
Input Voltage (V): NR  
Input Current (Ain): 0.37050  
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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	20		
RCR																				
0	39	39	39	39	33	33	33	33	23	23	23	13	13	13	4	4	4	0		
1	35	33	32	31	30	29	27	26	20	19	18	11	11	11	4	4	3	0		
2	32	29	27	25	27	25	23	22	17	16	15	10	9	9	3	3	3	0		
3	29	26	23	21	25	22	20	18	15	14	13	9	8	7	3	3	2	0		
4	27	23	20	17	23	19	17	15	13	12	11	8	7	6	2	2	2	0		
5	24	20	17	15	21	17	15	13	12	10	9	7	6	5	2	2	2	0		
6	22	18	15	13	19	15	13	11	11	9	8	6	5	5	2	2	2	0		
7	20	16	13	11	17	14	11	9	9	8	7	5	5	4	2	2	1	0		
8	19	14	11	9	16	12	10	8	9	7	6	5	4	3	2	1	1	0		
9	17	13	10	8	15	11	9	7	8	6	5	4	4	3	1	1	1	0		
10	16	12	9	7	14	10	8	6	7	6	5	4	3	3	1	1	1	0		

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

	0°
95°	0
100°	2254
105°	1008
110°	1717
115°	309
120°	130
125°	1592
130°	2233
135°	1015
140°	1363
145°	1274
150°	3691
155°	13893
160°	28326
165°	69366
170°	206558
175°	671009



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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°	4.6	0.4	0.2
100°-110°	6.7	0.6	0.2
110°-120°	3.7	0.3	0.1
120°-130°	8.3	0.7	0.3
130°-140°	12.9	1.1	0.4
140°-150°	12.7	1.0	0.4
150°-160°	84.9	7.0	2.8
160°-170°	331.7	27.3	11.1
170°-180°	749.7	61.8	25.0
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°	15.1	1.2	0.5
90°-150°	49.0	4.0	1.6
90°-180°	1215.0	100.1	40.5
0°-180°	1213.4	100.0	40.4

**CANDELA DISTRIBUTION:**

	0°	Flux
90°	0	
95°	0	5
105°	4	7
115°	2	4
125°	14	8
135°	11	13
145°	16	13
155°	193	85
165°	1027	332
175°	10246	750
180°	22090	



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**CANDELA DISTRIBUTION (FULL):**

	0°
90°	0
92.5°	0
95°	0
97.5°	7
100°	6
102.5°	5
105°	4
107.5°	9
110°	9
112.5°	1
115°	2
117.5°	7
120°	1
122.5°	8
125°	14
127.5°	4
130°	22
132.5°	13
135°	11
137.5°	24
140°	16
142.5°	10
145°	16
147.5°	25
150°	49
152.5°	111
155°	193
157.5°	238
160°	408
162.5°	554
165°	1027
167.5°	1885
170°	3118
171°	3900
172°	5056
173°	6531
174°	8291
175°	10246
176°	12420
177°	14877
178°	17610
179°	20288
180°	22090

(END OF REPORT)