

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: P13529

Luminaire Tested: **3000A-MH39T4-WFL-UNV-NBR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: P13529
Test Lab: PEACHTREE CITY
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 3000A-MH39T4-WFL-UNV-NBR
Description: MONACO 3000 INGRADE OUTDOOR WITH L10136 WIDE FLOOD REFLECTOR.
Light Source: (1) G12 BASE CLEAR T6 CERAMIC METAL HALIDE LAMP
GE CONSTANTCOLOR 39W/3000K
Ballast/Driver: (1) ADVANCE MAGNETIC BALLAST
71A5281

Summary

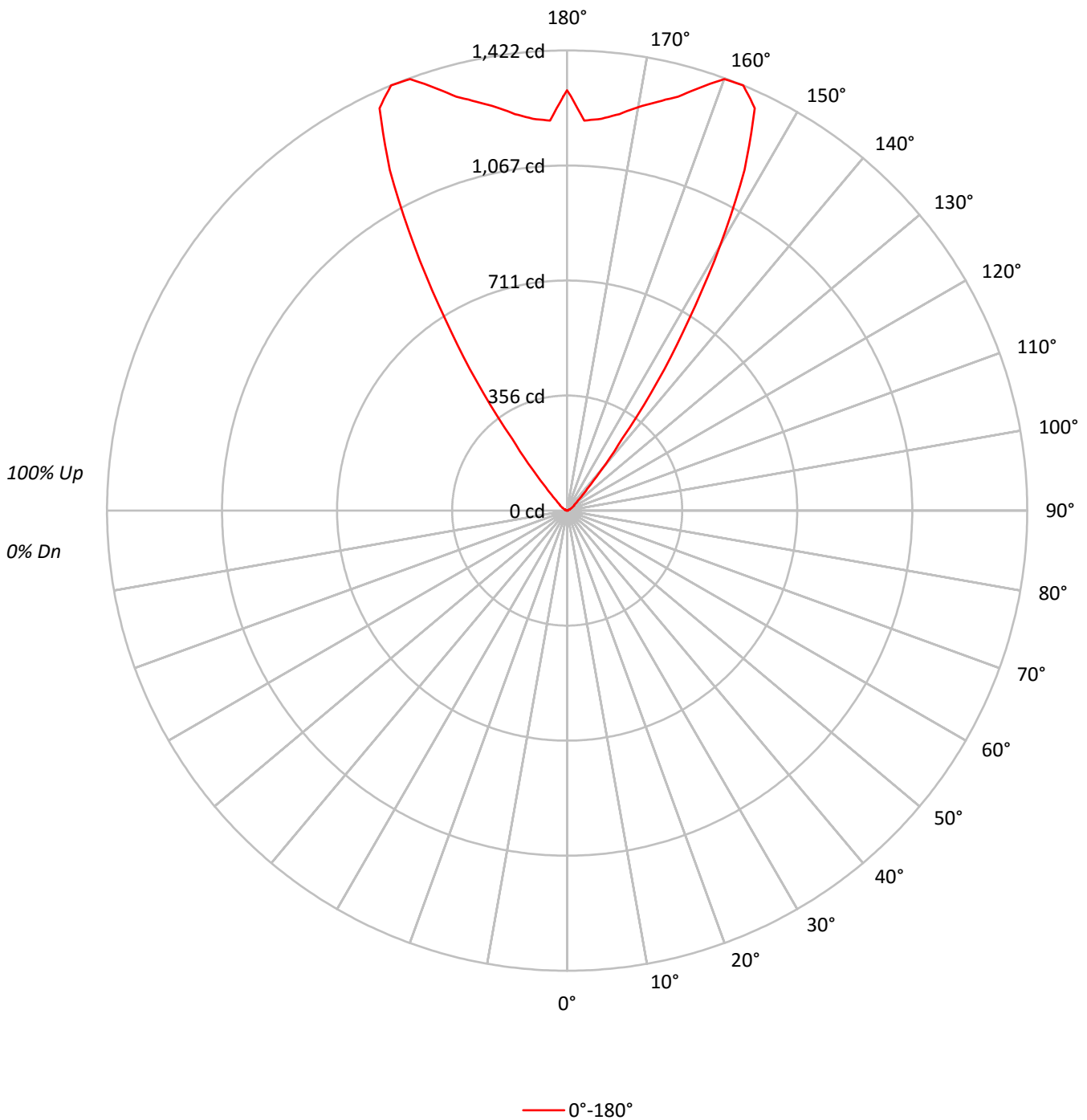
Lumens per Lamp: 3400 (1 lamp)
Luminaire Lumens: 1490.9 lumens
Efficiency: 43.9%
Efficacy: 38.2 lumens/watt
N/A
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Indirect

Input Watts (W): 39
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: 25 HR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P13529
CATALOG NUMBER: 3000A-MH39T4-WFL-UNV-NBR

Luminous Intensity Polar Plot





TEST NUMBER: P13529

CATALOG NUMBER: 3000A-MH39T4-WFL-UNV-NBR

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	42	42	42	42	36	36	36	36	24	24	24	14	14	14	4	4	4	0		
1	38	36	35	33	32	31	30	29	21	20	20	12	12	12	4	4	4	0		
2	35	32	29	27	29	27	25	23	19	17	16	11	10	10	3	3	3	0		
3	31	28	25	22	27	24	21	19	16	15	14	9	9	8	3	3	3	0		
4	29	24	21	19	24	21	18	16	14	13	12	8	7	7	3	2	2	0		
5	26	22	18	16	22	19	16	14	13	11	10	7	7	6	2	2	2	0		
6	24	19	16	14	20	17	14	12	11	10	8	7	6	5	2	2	2	0		
7	22	17	14	12	19	15	12	10	10	9	7	6	5	4	2	2	1	0		
8	20	15	12	10	17	13	11	9	9	8	6	5	4	4	2	1	1	0		
9	19	14	11	9	16	12	10	8	8	7	6	5	4	3	2	1	1	0		
10	18	13	10	8	15	11	9	7	8	6	5	4	4	3	1	1	1	0		

AVERAGE LUMINANCE (cd/sqm):

	0°
95°	0
100°	751
105°	756
110°	954
115°	1081
120°	2088
125°	2957
130°	3451
135°	6089
140°	14137
145°	38866
150°	71265
155°	98764
160°	98518
165°	89426
170°	83869
175°	79570



TEST NUMBER: P13529

CATALOG NUMBER: 3000A-MH39T4-WFL-UNV-NBR

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°	1.9	0.1	0.1
100°-110°	3.8	0.3	0.1
110°-120°	9.0	0.6	0.3
120°-130°	22.1	1.5	0.6
130°-140°	58.1	3.9	1.7
140°-150°	307.7	20.6	9.1
150°-160°	591.1	39.6	17.4
160°-170°	380.0	25.5	11.2
170°-180°	117.9	7.9	3.5
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°	14.7	1.0	0.4
90°-150°	402.6	27.0	11.8
90°-180°	1492.0	100.1	43.9
0°-180°	1490.9	100.0	43.9

CANDELA DISTRIBUTION:

	0°	Flux
90°	0	
95°	0	2
105°	3	4
115°	7	9
125°	26	22
135°	66	58
145°	488	308
155°	1372	591
165°	1324	380
175°	1215	118
180°	1299	



TEST NUMBER: P13529

CATALOG NUMBER: 3000A-MH39T4-WFL-UNV-NBR

CANDELA DISTRIBUTION (FULL):

	0°
90°	0
92.5°	0
95°	0
97.5°	3
100°	2
102.5°	3
105°	3
107.5°	5
110°	5
112.5°	8
115°	7
117.5°	11
120°	16
122.5°	20
125°	26
127.5°	28
130°	34
132.5°	44
135°	66
137.5°	97
140°	166
142.5°	279
145°	488
147.5°	699
150°	946
152.5°	1187
155°	1372
157.5°	1422
160°	1419
162.5°	1371
165°	1324
167.5°	1294
170°	1266
172.5°	1236
175°	1215
177.5°	1206
180°	1299

(END OF REPORT)