

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: P13532

Luminaire Tested: **3000A-MH70T6-SP-UNV-NBR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: P13532
Test Lab: PEACHTREE CITY
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 3000A-MH70T6-SP-UNV-NBR
Description: MONACO 3000 INGRADE OUTDOOR WITH L10138 NARROW SPOT REFLECTOR
Light Source: (1) G12 BASE CLEAR T6 CERAMIC METAL HALIDE LAMP
PHILIPS CDM-T ELITE 70W/930
Ballast/Driver: (1) ADVANCE MAGNETIC BALLAST
71A5281

Summary

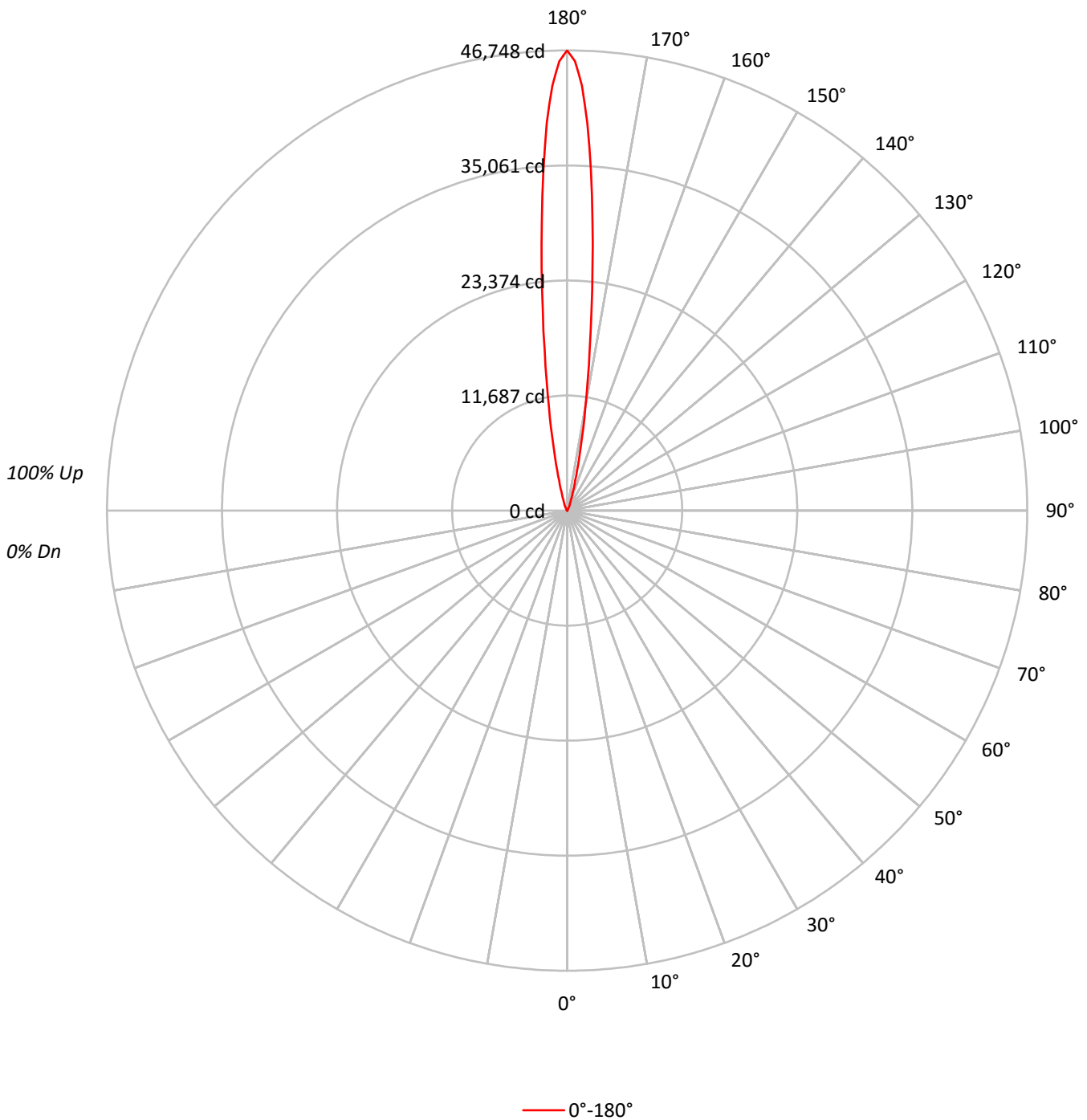
Lumens per Lamp: 7300 (1 lamp)
Luminaire Lumens: 3572.7 lumens
Efficiency: 48.9%
Efficacy: 51.0 lumens/watt
N/A
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Indirect

Input Watts (W): 70
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: 3 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	47	47	47	47	40	40	40	40	27	27	27	16	16	16	5	5	5	0
1	42	40	39	37	36	35	33	32	24	23	22	14	13	13	4	4	4	0
2	39	35	33	30	33	30	28	26	21	19	18	12	11	11	4	4	3	0
3	35	31	28	25	30	26	24	22	18	17	15	11	10	9	3	3	3	0
4	32	27	24	21	27	23	20	18	16	14	13	9	8	8	3	3	3	0
5	29	24	20	18	25	21	18	15	14	12	11	8	7	6	3	2	2	0
6	27	21	18	15	23	18	15	13	13	11	9	7	6	6	2	2	2	0
7	25	19	16	13	21	17	14	11	11	10	8	7	6	5	2	2	2	0
8	23	17	14	11	19	15	12	10	10	8	7	6	5	4	2	2	1	0
9	21	16	12	10	18	13	11	9	9	7	6	5	4	4	2	1	1	0
10	20	14	11	9	17	12	10	8	8	7	5	5	4	3	2	1	1	0

AVERAGE LUMINANCE (cd/sqm):

	0°
95°	5240
100°	0
105°	252
110°	954
115°	2933
120°	1174
125°	1137
130°	1624
135°	3783
140°	2725
145°	4699
150°	11375
155°	44271
160°	76440
165°	210529
170°	701225
175°	1938434



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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°	6.8	0.2	0.1
100°-110°	2.7	0.1	0.0
110°-120°	9.2	0.3	0.1
120°-130°	8.8	0.2	0.1
130°-140°	18.2	0.5	0.2
140°-150°	42.5	1.2	0.6
150°-160°	262.9	7.4	3.6
160°-170°	1043.0	29.2	14.3
170°-180°	2178.6	61.0	29.8
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°	18.7	0.5	0.3
90°-150°	88.2	2.5	1.2
90°-180°	3573.0	100.0	48.9
0°-180°	3572.7	100.0	48.9

CANDELA DISTRIBUTION:

	0°	Flux
90°	0	
95°	7	7
105°	1	3
115°	19	9
125°	10	9
135°	41	18
145°	59	43
155°	615	263
165°	3117	1043
175°	29599	###
180°	46748	



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CANDELA DISTRIBUTION (FULL):

	0°
90°	0
92.5°	11
95°	7
97.5°	7
100°	0
102.5°	0
105°	1
107.5°	7
110°	5
112.5°	4
115°	19
117.5°	7
120°	9
122.5°	6
125°	10
127.5°	11
130°	16
132.5°	21
135°	41
137.5°	8
140°	32
142.5°	47
145°	59
147.5°	81
150°	151
152.5°	381
155°	615
157.5°	751
160°	1101
162.5°	1777
165°	3117
167.5°	5797
170°	10585
171°	13248
172°	16485
173°	20303
174°	24728
175°	29599
176°	34647
177°	39414
178°	43207
179°	45647
180°	46748

(END OF REPORT)