

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: P13527

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: P13527
Test Lab: PEACHTREE CITY
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 3000A-MH70T6-WFL-UNV-NBR
Description: MONACO 3000 INGRADE OUTDOOR WITH L10137 WIDE SPOT REFLECTOR
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

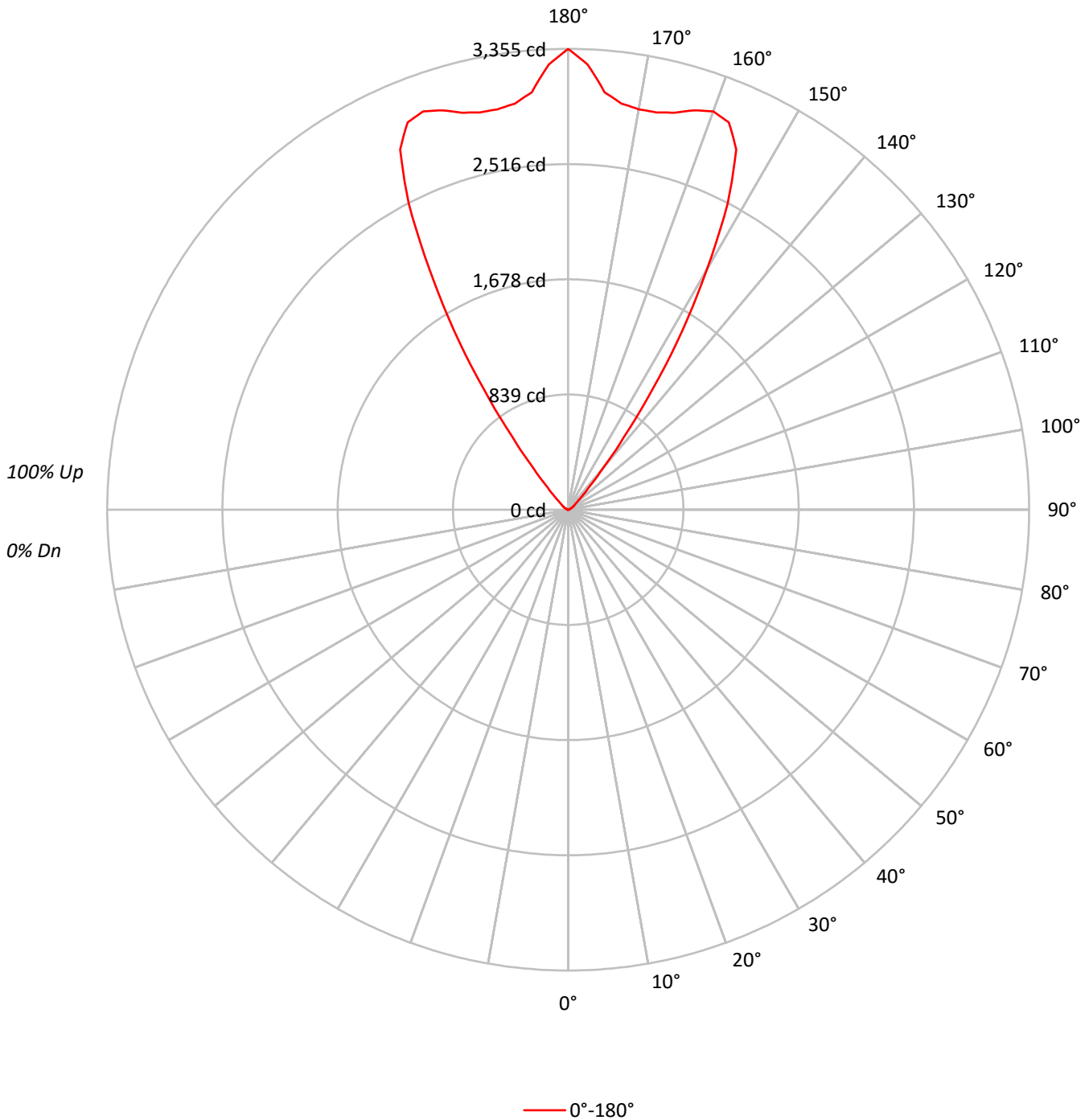
Lumens per Lamp: 7300 (1 lamp)
Luminaire Lumens: 3304.8 lumens
Efficiency: 45.3%
Efficacy: 47.1 lumens/watt
N/A
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Indirect

Input Watts (W): 70.1
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: 17 HR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P13527
CATALOG NUMBER: 3000A-MH70T6-WFL-UNV-NBR

Luminous Intensity Polar Plot





TEST NUMBER: P13527

CATALOG NUMBER: 3000A-MH70T6-WFL-UNV-NBR

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	43	43	43	43	37	37	37	37	25	25	25	14	14	14	5	5	5	0
1	39	37	36	34	33	32	31	30	22	21	20	13	12	12	4	4	4	0
2	36	33	30	28	30	28	26	24	19	18	17	11	10	10	4	3	3	0
3	32	29	26	23	28	25	22	20	17	15	14	10	9	8	3	3	3	0
4	30	25	22	19	25	22	19	17	15	13	12	9	8	7	3	3	2	0
5	27	22	19	16	23	19	16	14	13	11	10	8	7	6	2	2	2	0
6	25	20	16	14	21	17	14	12	12	10	9	7	6	5	2	2	2	0
7	23	18	14	12	19	15	13	11	11	9	8	6	5	4	2	2	1	0
8	21	16	13	11	18	14	11	9	10	8	7	6	5	4	2	2	1	0
9	20	14	11	9	17	12	10	8	9	7	6	5	4	3	2	1	1	0
10	18	13	10	8	15	11	9	7	8	6	5	5	4	3	1	1	1	0

AVERAGE LUMINANCE (cd/sqm):

	0°
95°	1643
100°	2062
105°	2213
110°	2722
115°	3558
120°	5155
125°	6616
130°	8243
135°	15797
140°	36360
145°	93616
150°	166763
155°	228637
160°	235144
165°	221790
170°	215211
175°	219220



TEST NUMBER: P13527

CATALOG NUMBER: 3000A-MH70T6-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°	3.7	0.1	0.1
100°-110°	7.4	0.2	0.1
110°-120°	22.1	0.7	0.3
120°-130°	47.2	1.4	0.6
130°-140°	136.8	4.1	1.9
140°-150°	683.5	20.7	9.4
150°-160°	1259.8	38.1	17.3
160°-170°	854.4	25.9	11.7
170°-180°	290.0	8.8	4.0
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°	33.1	1.0	0.5
90°-150°	900.6	27.3	12.3
90°-180°	3305.0	100.0	45.3
0°-180°	3304.8	100.0	45.3

CANDELA DISTRIBUTION:

	0°	Flux
90°	0	
95°	2	4
105°	8	7
115°	21	22
125°	53	47
135°	156	137
145°	1071	683
155°	2894	1260
165°	2992	854
175°	3050	290
180°	3355	



TEST NUMBER: P13527

CATALOG NUMBER: 3000A-MH70T6-WFL-UNV-NBR

CANDELA DISTRIBUTION (FULL):

	0°
90°	0
92.5°	3
95°	2
97.5°	6
100°	5
102.5°	2
105°	8
107.5°	9
110°	13
112.5°	17
115°	21
117.5°	27
120°	36
122.5°	43
125°	53
127.5°	61
130°	74
132.5°	103
135°	156
137.5°	232
140°	389
142.5°	664
145°	1071
147.5°	1545
150°	2017
152.5°	2514
155°	2894
157.5°	3053
160°	3086
162.5°	3049
165°	2992
167.5°	2963
170°	2960
172.5°	2981
175°	3050
177.5°	3244
180°	3355

(END OF REPORT)