

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: 19074

Luminaire Tested: **6000A-MH100-WFL7**

Issue Date: 3/3/2020

**Test Information**

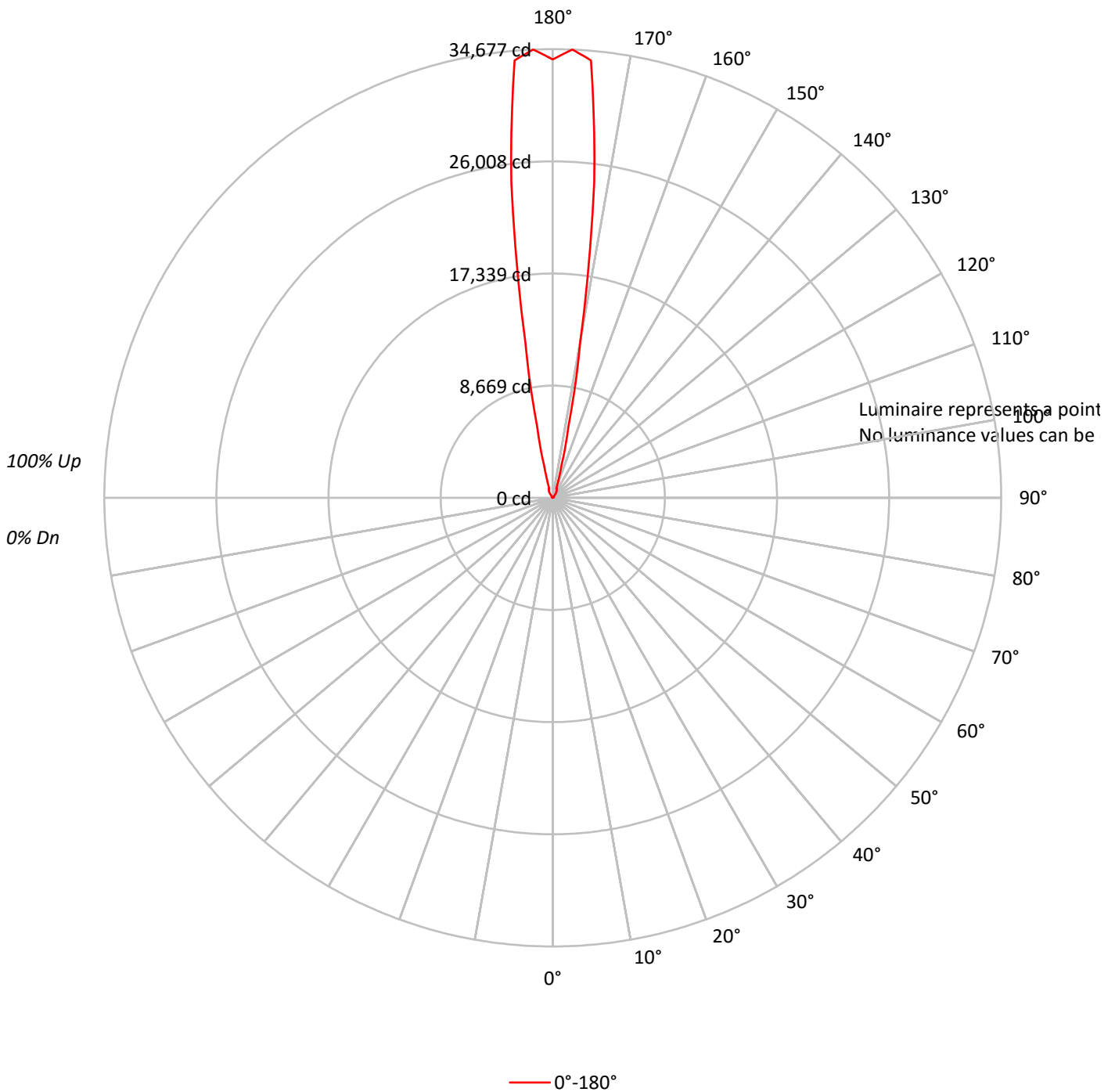
Test Method: LM-46-04  
Report Number: 19074  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 6000A-MH100-WFL7  
Description: WITH SEMI-SPECULAR SPUN REFLECTOR AND TWO CLEAR GLASS LENS  
  
Light Source: ONE PHILIPS 100 WATT CMH LAMP  
  
MHC100/U/M/4K. LUMEN RATING = 9000 LMS.  
  
Ballast/Driver: -

**Summary**

Lumens per Lamp: 9000 (1 lamp)  
Luminaire Lumens: 4098.4 lumens  
Efficiency: 45.5%  
Efficacy: -  
N/A  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Indirect  
  
Input Watts (W): 0  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

TEST NUMBER: 19074  
CATALOG NUMBER: 6000A-MH100-WFL7

### Luminous Intensity Polar Plot





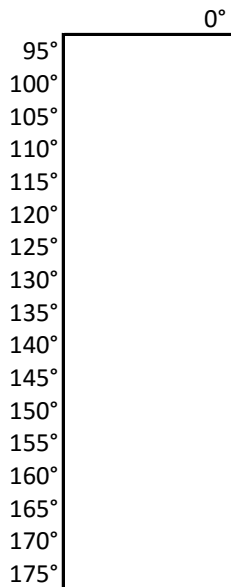
TEST NUMBER: 19074

CATALOG NUMBER: 6000A-MH100-WFL7

**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	15	15	15	5	5	5	0
1	39	38	36	35	34	32	31	30	22	21	21	13	12	12	4	4	4	0
2	36	33	30	28	31	28	26	24	19	18	17	11	10	10	4	3	3	0
3	33	29	26	23	28	25	22	20	17	15	14	10	9	8	3	3	3	0
4	30	25	22	20	25	22	19	17	15	13	12	9	8	7	3	3	2	0
5	27	22	19	17	23	19	16	14	13	12	10	8	7	6	2	2	2	0
6	25	20	17	14	21	17	14	12	12	10	9	7	6	5	2	2	2	0
7	23	18	15	12	20	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	15	11	9	17	13	10	8	9	7	6	5	4	3	2	1	1	0
10	18	13	10	8	16	11	9	7	8	6	5	5	4	3	1	1	1	0

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





TEST NUMBER: 19074

CATALOG NUMBER: 6000A-MH100-WFL7

**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°	3.3	0.1	0.0
100°-110°	6.6	0.2	0.1
110°-120°	26.0	0.6	0.3
120°-130°	42.3	1.0	0.5
130°-140°	43.8	1.1	0.5
140°-150°	190.9	4.7	2.1
150°-160°	328.7	8.0	3.7
160°-170°	997.2	24.3	11.1
170°-180°	2459.7	60.0	27.3
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°	35.9	0.9	0.4
90°-150°	312.8	7.6	3.5
90°-180°	4098.0	100.0	45.5
0°-180°	4098.4	100.0	45.5

**CANDELA DISTRIBUTION:**

	0°	Flux
90°	0	
95°	3	3
105°	3	7
115°	18	26
125°	47	42
135°	47	44
145°	276	191
155°	739	329
165°	2586	997
175°	33934	###
180°	33886	



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**CANDELA DISTRIBUTION (FULL):**

	0°
90°	0.5
92.5°	0.5
95°	3.4
97.5°	6.3
100°	3.4
102.5°	3.4
105°	3.4
107.5°	9.2
110°	15.1
112.5°	18.0
115°	18.0
117.5°	38.4
120°	47.1
122.5°	47.1
125°	47.1
127.5°	47.1
130°	47.1
132.5°	47.1
135°	47.1
137.5°	67.5
140°	86.5
142.5°	156.4
145°	276.0
147.5°	484.4
150°	599.5
152.5°	653.4
155°	739.4
157.5°	729.2
160°	892.5
162.5°	1447.7
165°	2586.0
167.5°	5537.3
170°	12216.7
172.5°	24558.3
175°	33934.0
177.5°	34677.3
180°	33885.9

(END OF REPORT)