

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: 19070

Luminaire Tested: **6000N-MH100-SP1**

Issue Date: 3/3/2020

**Test Information**

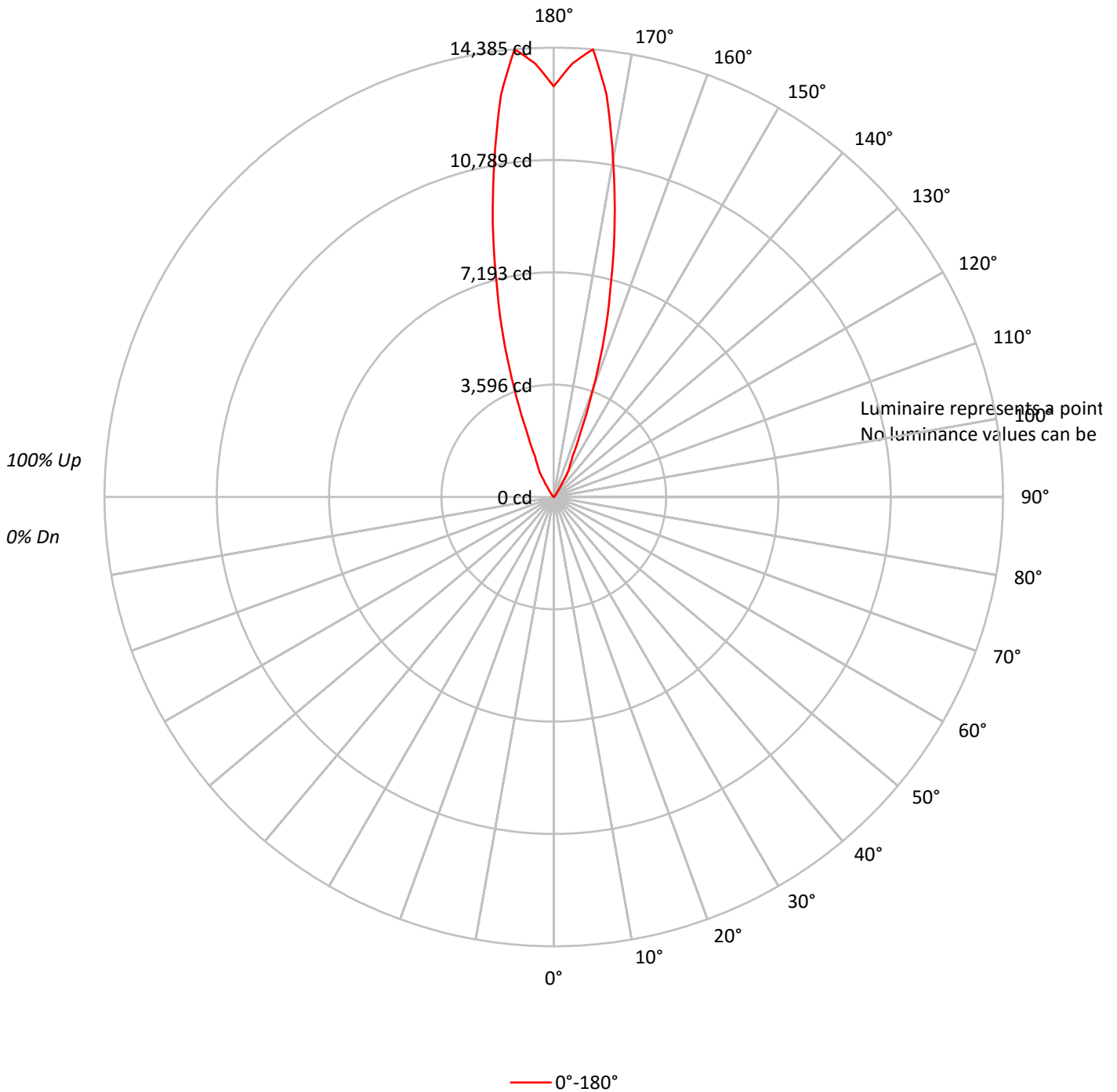
Test Method: LM-46-04  
Report Number: 19070  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 6000N-MH100-SP1  
Description: WITH SEMI-SPECULAR SPUN REFLECTOR AND TWO CLEAR GLASS LENS  
  
Light Source: ONE PHILIPS 100 WATT CMH LAMP  
  
MHC100/U/M/4K. LUMEN RATING = 9000 LMS.  
  
Ballast/Driver: -

**Summary**

Lumens per Lamp: 9000 (1 lamp)  
Luminaire Lumens: 4223.3 lumens  
Efficiency: 46.9%  
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

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### Luminous Intensity Polar Plot





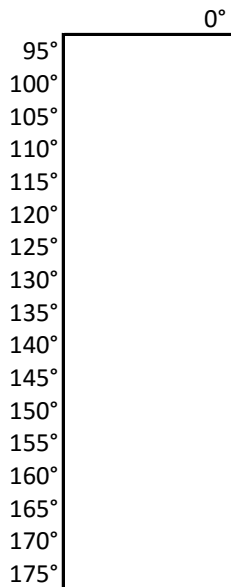
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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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	45	45	45	45	38	38	38	38	26	26	26	15	15	15	5	5	5	0
1	41	39	37	36	35	33	32	31	23	22	21	13	13	12	4	4	4	0
2	37	34	31	29	31	29	27	25	20	19	17	11	11	10	4	3	3	0
3	34	30	27	24	29	25	23	21	17	16	15	10	9	9	3	3	3	0
4	31	26	23	20	26	22	20	18	15	14	12	9	8	7	3	3	2	0
5	28	23	20	17	24	20	17	15	14	12	10	8	7	6	3	2	2	0
6	26	21	17	15	22	18	15	13	12	10	9	7	6	5	2	2	2	0
7	24	18	15	13	20	16	13	11	11	9	8	6	5	5	2	2	2	0
8	22	17	13	11	19	14	11	10	10	8	7	6	5	4	2	2	1	0
9	20	15	12	10	17	13	10	8	9	7	6	5	4	4	2	1	1	0
10	19	14	10	8	16	12	9	7	8	6	5	5	4	3	2	1	1	0

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





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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°	0.5	0.0	0.0
100°-110°	0.5	0.0	0.0
110°-120°	3.8	0.1	0.0
120°-130°	24.4	0.6	0.3
130°-140°	43.8	1.0	0.5
140°-150°	196.4	4.7	2.2
150°-160°	777.8	18.4	8.6
160°-170°	1934.7	45.8	21.5
170°-180°	1241.4	29.4	13.8
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°	4.9	0.1	0.1
90°-150°	269.4	6.4	3.0
90°-180°	4223.0	100.0	46.9
0°-180°	4223.3	100.0	46.9

**CANDELA DISTRIBUTION:**

	0°	Flux
90°	0	
95°	0	1
105°	0	1
115°	2	4
125°	29	24
135°	53	44
145°	252	196
155°	1405	778
165°	7064	1935
175°	14385	###
180°	13145	



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**CANDELA DISTRIBUTION (FULL):**

	0°
90°	0.5
92.5°	0.5
95°	0.5
97.5°	0.5
100°	0.5
102.5°	0.5
105°	0.5
107.5°	0.5
110°	0.5
112.5°	0.5
115°	1.5
117.5°	7.3
120°	12.1
122.5°	16.0
125°	29.1
127.5°	39.3
130°	39.3
132.5°	40.2
135°	52.8
137.5°	67.9
140°	97.4
142.5°	146.9
145°	252.5
147.5°	432.3
150°	846.2
152.5°	1101.1
155°	1405.0
157.5°	2261.4
160°	3678.0
162.5°	5388.4
165°	7064.3
167.5°	9017.9
170°	10939.5
172.5°	12976.5
175°	14385.4
177.5°	13899.8
180°	13145.2

(END OF REPORT)