

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: 19066

Luminaire Tested: **6000N-MH70T6-MFL4**

Issue Date: 3/3/2020

**Test Information**

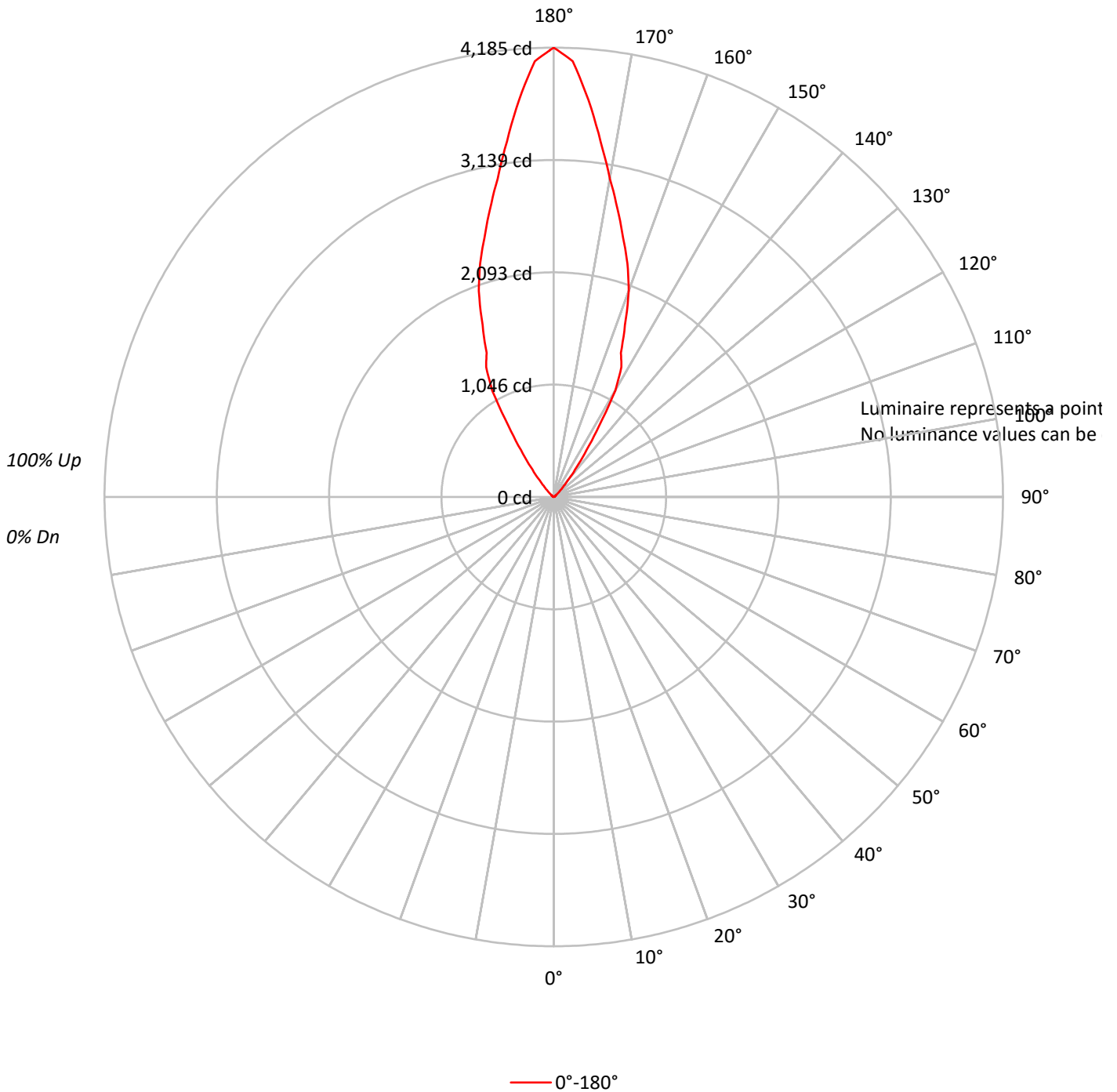
Test Method: LM-46-04  
Report Number: 19066  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 6000N-MH70T6-MFL4  
Description: WITH DIFFUSE SPUN REFLECTOR AND TWO CLEAR GLASS LENS  
  
Light Source: ONE PHILIPS 70 WATT CMH LAMP  
  
CDM70/T6/830. LUMEN RATING = 6600 LMS.  
  
Ballast/Driver: -

**Summary**

Lumens per Lamp: 6600 (1 lamp)  
Luminaire Lumens: 2205.0 lumens  
Efficiency: 33.4%  
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





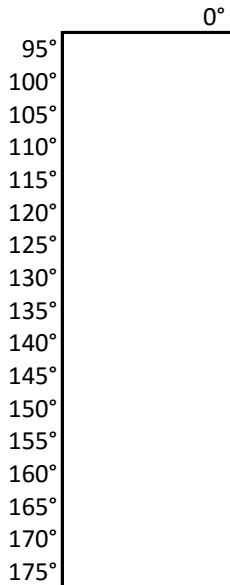
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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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	32	32	32	32	27	27	27	27	19	19	19	11	11	11	3	3	3	0
1	29	28	26	25	25	24	23	22	16	16	15	9	9	9	3	3	3	0
2	26	24	22	21	22	21	19	18	14	13	12	8	8	7	3	2	2	0
3	24	21	19	17	20	18	16	15	12	11	10	7	7	6	2	2	2	0
4	22	19	16	14	19	16	14	12	11	10	9	6	6	5	2	2	2	0
5	20	16	14	12	17	14	12	11	10	8	7	6	5	4	2	2	1	0
6	18	15	12	10	16	13	11	9	9	7	6	5	4	4	2	1	1	0
7	17	13	11	9	14	11	9	8	8	6	6	5	4	3	1	1	1	0
8	16	12	9	8	13	10	8	7	7	6	5	4	3	3	1	1	1	0
9	14	11	8	7	12	9	7	6	6	5	4	4	3	3	1	1	1	0
10	13	10	7	6	11	8	6	5	6	5	4	3	3	2	1	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°	1.9	0.1	0.0
100°-110°	6.7	0.3	0.1
110°-120°	10.8	0.5	0.2
120°-130°	18.7	0.8	0.3
130°-140°	77.2	3.5	1.2
140°-150°	356.8	16.2	5.4
150°-160°	702.6	31.9	10.6
160°-170°	698.3	31.7	10.6
170°-180°	332.0	15.1	5.0
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°	19.4	0.9	0.3
90°-150°	472.1	21.4	7.2
90°-180°	2205.0	100.0	33.4
0°-180°	2205.0	100.0	33.4

**CANDELA DISTRIBUTION:**

	0°	Flux
90°	0	
95°	1	2
105°	7	7
115°	10	11
125°	19	19
135°	88	77
145°	532	357
155°	1478	703
165°	2497	698
175°	3711	332
180°	4185	



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**CANDELA DISTRIBUTION (FULL):**

	0°
90°	0.5
92.5°	0.6
95°	1.4
97.5°	2.9
100°	3.9
102.5°	5.1
105°	6.8
107.5°	7.4
110°	8.3
112.5°	9.3
115°	10.5
117.5°	12.7
120°	14.2
122.5°	16.0
125°	18.9
127.5°	24.5
130°	35.2
132.5°	54.6
135°	87.7
137.5°	137.9
140°	220.9
142.5°	347.3
145°	532.2
147.5°	779.7
150°	1145.2
152.5°	1365.4
155°	1478.5
157.5°	1732.2
160°	2041.7
162.5°	2281.6
165°	2496.7
167.5°	2743.6
170°	3010.3
172.5°	3339.6
175°	3711.3
177.5°	4062.2
180°	4185.3

(END OF REPORT)