

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: 19058

Luminaire Tested: **6000N-MH70T4-MFL4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 19058
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 6000N-MH70T4-MFL4
Description: WITH DIFFUSE SPUN REFLECTOR AND TWO CLEAR GLASS LENS

Light Source: ONE PHILIPS 70 WATT CMH LAMP

CDM70/TC/830. LUMEN RATING = 6400 LMS.

Ballast/Driver: -

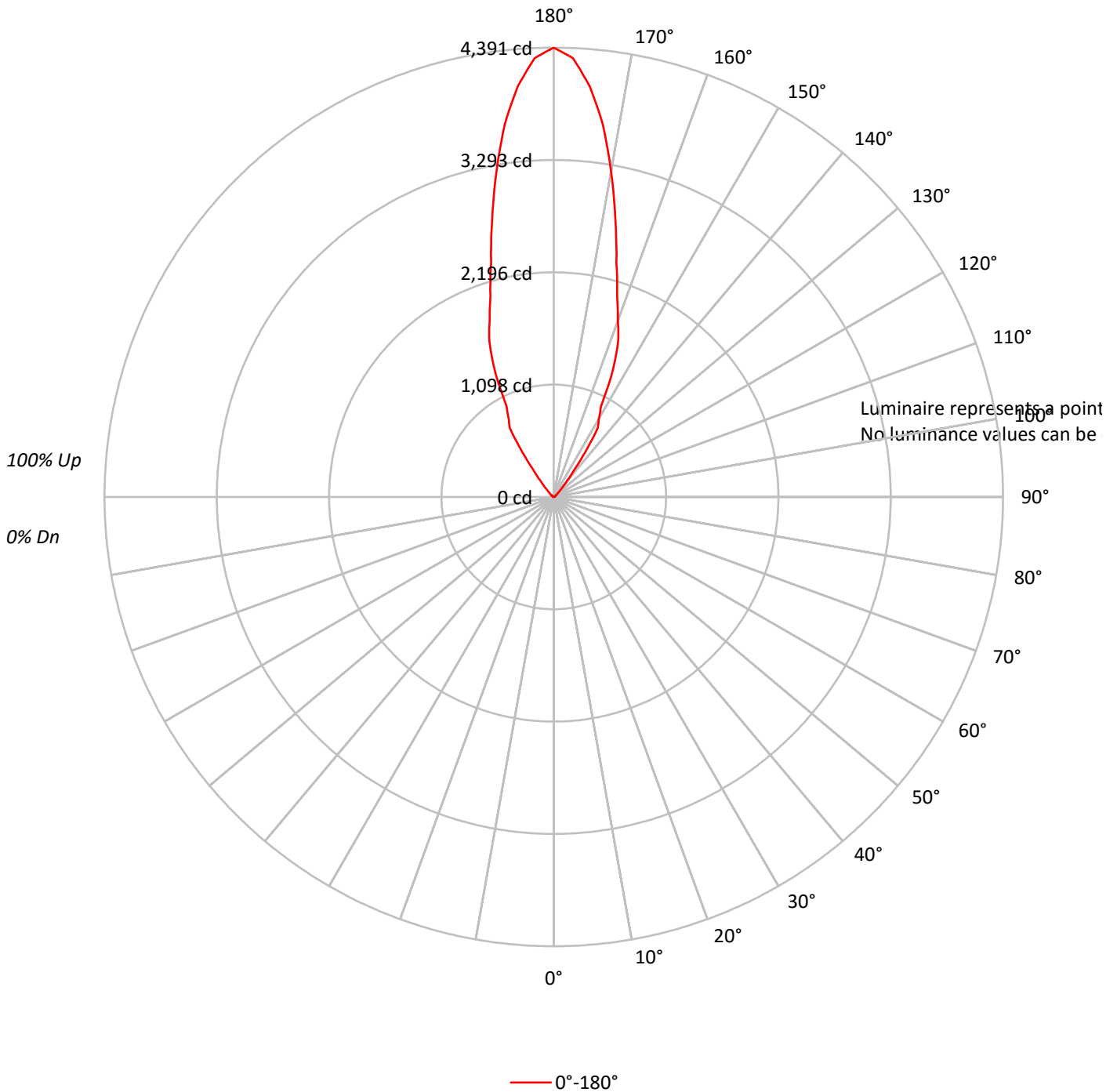
Summary

Lumens per Lamp: 6400 (1 lamp)
Luminaire Lumens: 2072.5 lumens
Efficiency: 32.4%
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_{in}): 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





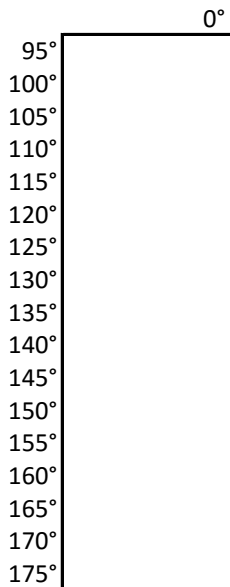
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																					
0	31	31	31	31	26	26	26	26	18	18	18	10	10	10	3	3	3	0			
1	28	27	26	25	24	23	22	21	16	15	15	9	9	8	3	3	3	0			
2	26	23	22	20	22	20	19	17	14	13	12	8	7	7	3	2	2	0			
3	23	20	18	17	20	18	16	14	12	11	10	7	6	6	2	2	2	0			
4	21	18	16	14	18	15	14	12	11	9	9	6	6	5	2	2	2	0			
5	19	16	14	12	16	14	12	10	9	8	7	5	5	4	2	2	1	0			
6	18	14	12	10	15	12	10	9	8	7	6	5	4	4	2	1	1	0			
7	16	13	10	9	14	11	9	8	8	6	5	4	4	3	1	1	1	0			
8	15	11	9	8	13	10	8	7	7	6	5	4	3	3	1	1	1	0			
9	14	10	8	7	12	9	7	6	6	5	4	4	3	2	1	1	1	0			
10	13	9	7	6	11	8	6	5	6	4	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°	2.0	0.1	0.0
100°-110°	8.1	0.4	0.1
110°-120°	10.4	0.5	0.2
120°-130°	17.5	0.8	0.3
130°-140°	68.2	3.3	1.1
140°-150°	330.8	16.0	5.2
150°-160°	606.5	29.3	9.5
160°-170°	669.6	32.3	10.5
170°-180°	359.3	17.3	5.6
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°	20.6	1.0	0.3
90°-150°	437.0	21.1	6.8
90°-180°	2072.0	100.0	32.4
0°-180°	2072.5	100.0	32.4

CANDELA DISTRIBUTION:

	0°	Flux
90°	0	
95°	2	2
105°	8	8
115°	11	10
125°	18	17
135°	78	68
145°	530	331
155°	1368	607
165°	2368	670
175°	4030	359
180°	4391	

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CANDELA DISTRIBUTION (FULL):

	0°
90°	0.5
92.5°	0.6
95°	1.8
97.5°	2.7
100°	4.3
102.5°	6.1
105°	7.9
107.5°	9.5
110°	10.4
112.5°	10.8
115°	10.8
117.5°	9.9
120°	10.3
122.5°	12.9
125°	17.6
127.5°	25.3
130°	35.7
132.5°	52.7
135°	77.6
137.5°	117.8
140°	188.1
142.5°	304.1
145°	530.5
147.5°	802.1
150°	878.3
152.5°	999.3
155°	1367.7
157.5°	1645.9
160°	1834.1
162.5°	2060.0
165°	2367.6
167.5°	2779.3
170°	3225.7
172.5°	3671.5
175°	4029.6
177.5°	4291.9
180°	4390.7

(END OF REPORT)