

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: 19062

Luminaire Tested: **6000N-MH70T4-WFL7**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 19062
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 6000N-MH70T4-WFL7
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: -

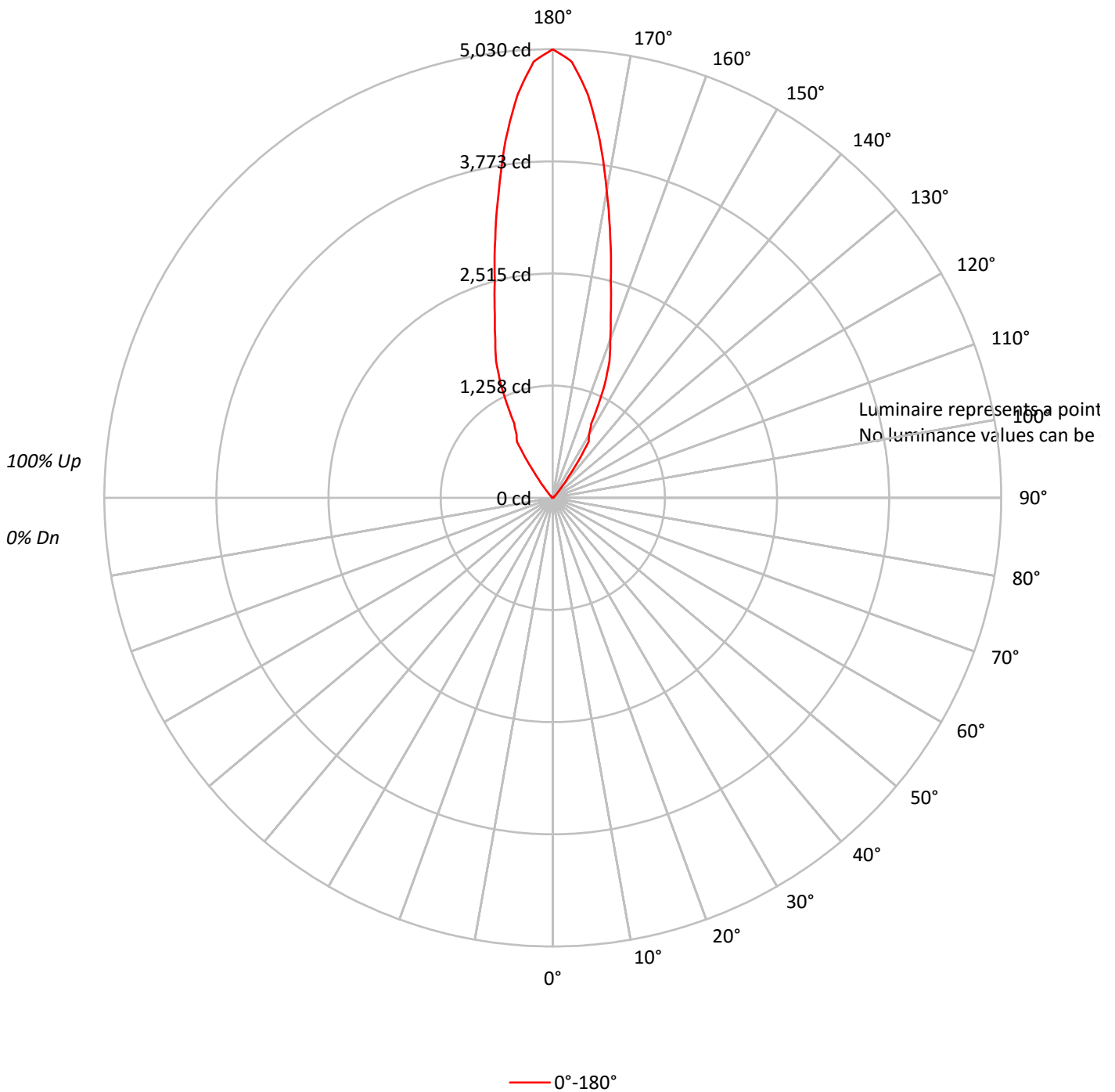
Summary

Lumens per Lamp: 6400 (1 lamp)
Luminaire Lumens: 2079.4 lumens
Efficiency: 32.5%
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_{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





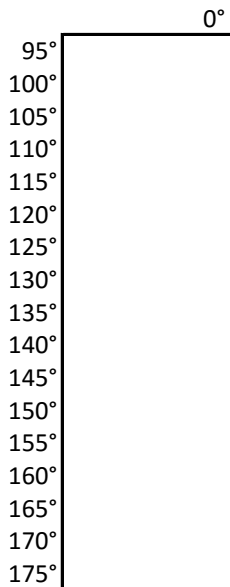
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	20		
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	9	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	21	18	17	20	18	16	14	12	11	10	7	6	6	2	2	2	0		
4	21	18	16	14	18	16	14	12	11	9	9	6	6	5	2	2	2	0		
5	19	16	14	12	17	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°	1.8	0.1	0.0
100°-110°	7.5	0.4	0.1
110°-120°	9.6	0.5	0.2
120°-130°	11.9	0.6	0.2
130°-140°	48.1	2.3	0.8
140°-150°	295.5	14.2	4.6
150°-160°	595.8	28.7	9.3
160°-170°	709.6	34.1	11.1
170°-180°	399.4	19.2	6.2
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°	19.0	0.9	0.3
90°-150°	374.5	18.0	5.9
90°-180°	2079.0	100.0	32.5
0°-180°	2079.4	100.0	32.5

CANDELA DISTRIBUTION:

	0°	Flux
90°	0	
95°	2	2
105°	8	8
115°	10	10
125°	12	12
135°	52	48
145°	466	296
155°	1347	596
165°	2515	710
175°	4537	399
180°	5030	

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CANDELA DISTRIBUTION (FULL):

	0°
90°	0.5
92.5°	0.5
95°	1.5
97.5°	2.4
100°	3.9
102.5°	5.4
105°	7.5
107.5°	9.0
110°	9.4
112.5°	9.9
115°	9.9
117.5°	9.7
120°	9.3
122.5°	10.4
125°	12.4
127.5°	15.3
130°	21.5
132.5°	33.5
135°	52.5
137.5°	85.7
140°	145.0
142.5°	250.7
145°	466.5
147.5°	747.7
150°	813.1
152.5°	935.6
155°	1347.3
157.5°	1659.2
160°	1886.8
162.5°	2159.8
165°	2515.1
167.5°	2980.0
170°	3489.6
172.5°	4045.5
175°	4536.9
177.5°	4895.4
180°	5029.8

(END OF REPORT)