

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: 19056

Luminaire Tested: **6000A-MH70T4-SP1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 19056
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 6000A-MH70T4-SP1
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: -

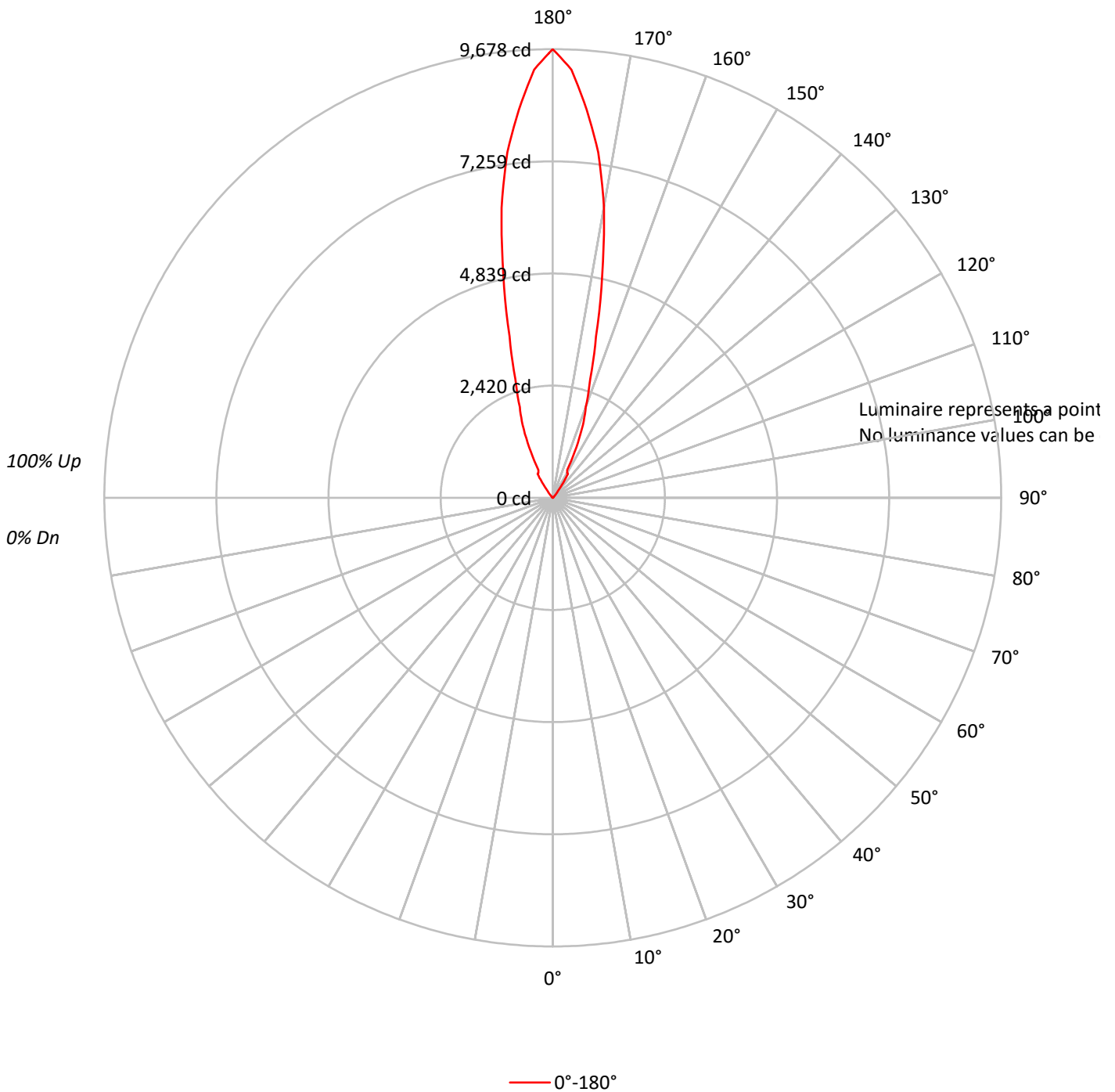
Summary

Lumens per Lamp: 6400 (1 lamp)
Luminaire Lumens: 2605.8 lumens
Efficiency: 40.7%
Efficacy: 2605.8 lumens/watt
N/A
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Indirect

Input Watts (W): 1
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





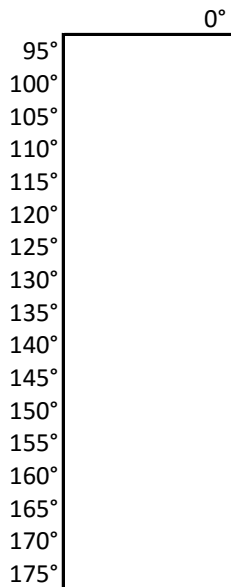
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	39	39	39	39	33	33	33	33	23	23	23	13	13	13	4	4	4	0
1	35	34	32	31	30	29	28	27	20	19	18	11	11	11	4	4	3	0
2	32	29	27	25	27	25	23	22	17	16	15	10	9	9	3	3	3	0
3	29	26	23	21	25	22	20	18	15	14	13	9	8	7	3	3	2	0
4	27	23	20	17	23	19	17	15	13	12	11	8	7	6	2	2	2	0
5	24	20	17	15	21	17	15	13	12	10	9	7	6	5	2	2	2	0
6	22	18	15	13	19	15	13	11	11	9	8	6	5	5	2	2	2	0
7	21	16	13	11	17	14	11	10	9	8	7	6	5	4	2	2	1	0
8	19	14	11	10	16	12	10	8	9	7	6	5	4	4	2	1	1	0
9	18	13	10	8	15	11	9	7	8	6	5	5	4	3	1	1	1	0
10	16	12	9	7	14	10	8	6	7	6	5	4	3	3	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°	1.3	0.0	0.0
100°-110°	6.1	0.2	0.1
110°-120°	7.7	0.3	0.1
120°-130°	8.8	0.3	0.1
130°-140°	28.4	1.1	0.4
140°-150°	232.7	8.9	3.6
150°-160°	548.2	21.0	8.6
160°-170°	1031.1	39.6	16.1
170°-180°	741.5	28.5	11.6
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°	15.1	0.6	0.2
90°-150°	285.0	10.9	4.5
90°-180°	2606.0	100.0	40.7
0°-180°	2605.8	100.0	40.7

CANDELA DISTRIBUTION:

	0°	Flux
90°	0	
95°	0	1
105°	6	6
115°	8	8
125°	9	9
135°	29	28
145°	381	233
155°	1206	548
165°	3603	1031
175°	8400	741
180°	9678	



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CANDELA DISTRIBUTION (FULL):

	0°
90°	0.5
92.5°	0.5
95°	0.5
97.5°	1.4
100°	4.0
102.5°	4.6
105°	5.6
107.5°	6.9
110°	7.8
112.5°	7.8
115°	8.2
117.5°	7.4
120°	7.8
122.5°	8.7
125°	9.1
127.5°	11.3
130°	12.8
132.5°	18.3
135°	29.3
137.5°	49.8
140°	93.9
142.5°	184.1
145°	381.4
147.5°	610.2
150°	620.4
152.5°	676.1
155°	1206.1
157.5°	1702.3
160°	2083.1
162.5°	2686.0
165°	3602.9
167.5°	4931.7
170°	6352.0
172.5°	7518.3
175°	8400.4
177.5°	9242.7
180°	9677.8

(END OF REPORT)