

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: 19068

Luminaire Tested: **6000A-MH70T6-WFL7**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 19068
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 6000A-MH70T6-WFL7
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: -

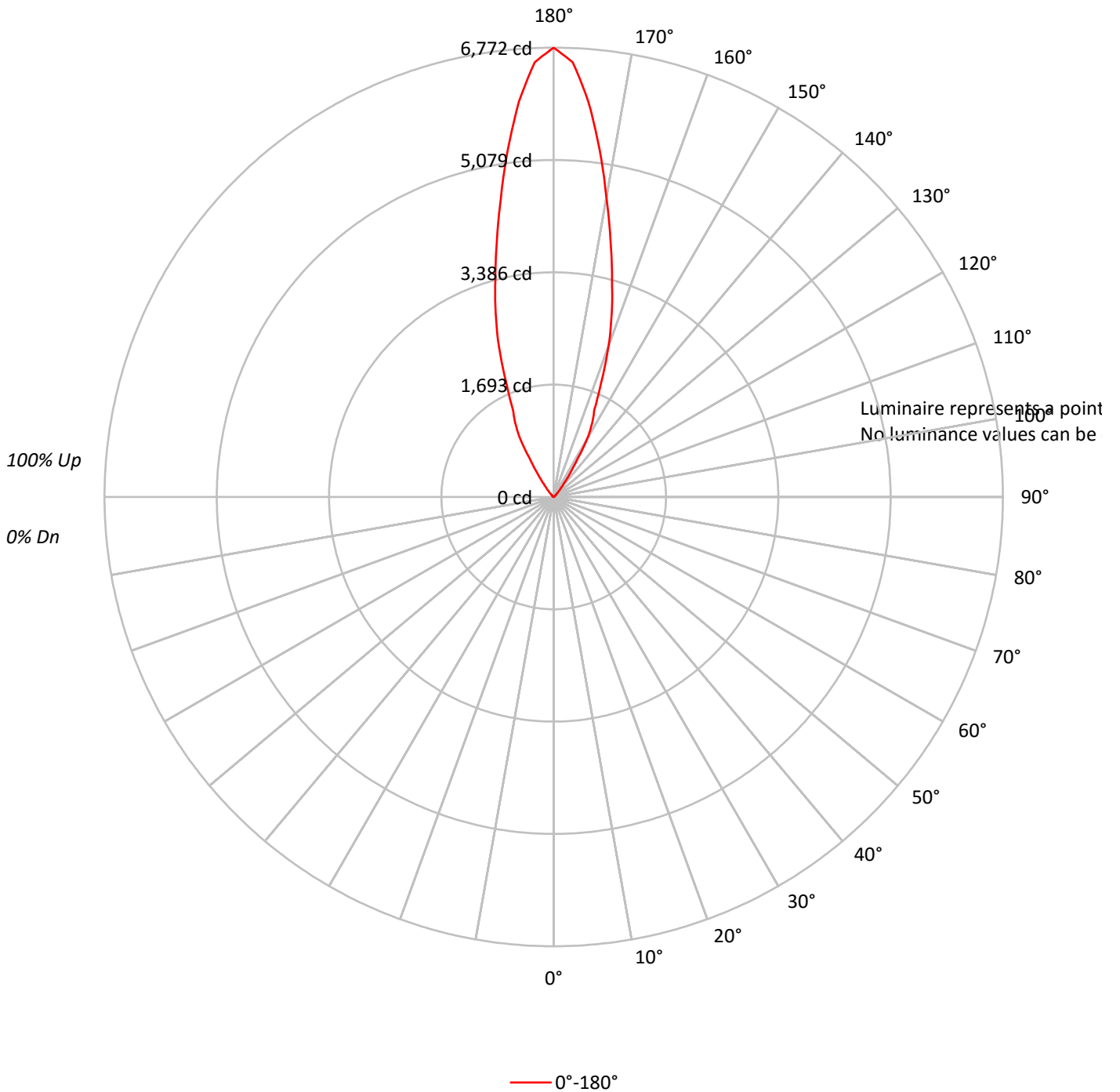
Summary

Lumens per Lamp: 6600 (1 lamp)
Luminaire Lumens: 2543.9 lumens
Efficiency: 38.5%
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





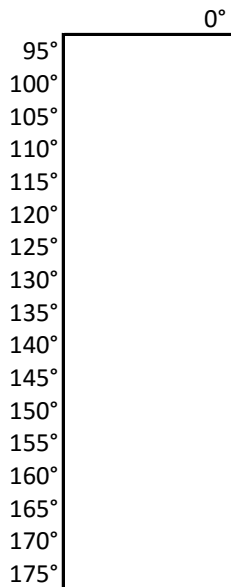
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	37	37	37	37	31	31	31	31	21	21	21	12	12	12	4	4	4	0
1	33	32	30	29	28	27	26	25	19	18	17	11	10	10	3	3	3	0
2	30	28	26	24	26	24	22	21	16	15	14	9	9	8	3	3	3	0
3	28	24	22	20	24	21	19	17	14	13	12	8	8	7	3	2	2	0
4	25	21	19	17	21	18	16	14	13	11	10	7	7	6	2	2	2	0
5	23	19	16	14	20	16	14	12	11	10	9	7	6	5	2	2	2	0
6	21	17	14	12	18	15	12	10	10	9	7	6	5	4	2	2	1	0
7	19	15	12	10	17	13	11	9	9	7	6	5	4	4	2	1	1	0
8	18	14	11	9	15	12	9	8	8	7	6	5	4	3	2	1	1	0
9	17	12	10	8	14	11	8	7	7	6	5	4	3	3	1	1	1	0
10	15	11	9	7	13	10	7	6	7	5	4	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°	2.4	0.1	0.0
100°-110°	6.1	0.2	0.1
110°-120°	9.8	0.4	0.1
120°-130°	16.3	0.6	0.2
130°-140°	52.0	2.0	0.8
140°-150°	277.2	10.9	4.2
150°-160°	709.6	27.9	10.8
160°-170°	944.2	37.1	14.3
170°-180°	526.3	20.7	8.0
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°	18.3	0.7	0.3
90°-150°	363.8	14.3	5.5
90°-180°	2544.0	100.0	38.5
0°-180°	2543.9	100.0	38.5

CANDELA DISTRIBUTION:

	0°	Flux
90°	0	
95°	3	2
105°	6	6
115°	10	10
125°	17	16
135°	58	52
145°	389	277
155°	1449	710
165°	3394	944
175°	5986	526
180°	6772	



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CANDELA DISTRIBUTION (FULL):

	0°
90°	0.5
92.5°	1.1
95°	2.7
97.5°	2.9
100°	3.4
102.5°	5.0
105°	5.8
107.5°	7.1
110°	7.1
112.5°	8.2
115°	9.9
117.5°	11.4
120°	13.3
122.5°	14.8
125°	17.2
127.5°	20.6
130°	27.7
132.5°	38.8
135°	58.0
137.5°	90.4
140°	147.7
142.5°	240.5
145°	389.4
147.5°	619.8
150°	1011.6
152.5°	1255.4
155°	1449.3
157.5°	1869.8
160°	2417.5
162.5°	2909.8
165°	3393.8
167.5°	3958.4
170°	4575.9
172.5°	5288.7
175°	5985.6
177.5°	6560.2
180°	6771.5

(END OF REPORT)