

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: LTL TEST NUMBER 06500

Luminaire Tested: **2001-MH39T6-SP**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-46-04  
Report Number: LTL TEST NUMBER 06500  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 2001-MH39T6-SP  
Description: CAST ALUMINUM HOUSING, SPUN SPECULAR ALUMINUM REFLECTOR,  
CLEAR GLASS ENCLOSURE.  
Light Source: ONE CLEAR PHILIPS CDM35/T6/830 39 WATT T6 SINGLE ENDED METAL  
HALIDE RATED AT 3,400 LUMENS.  
Ballast/Driver: -

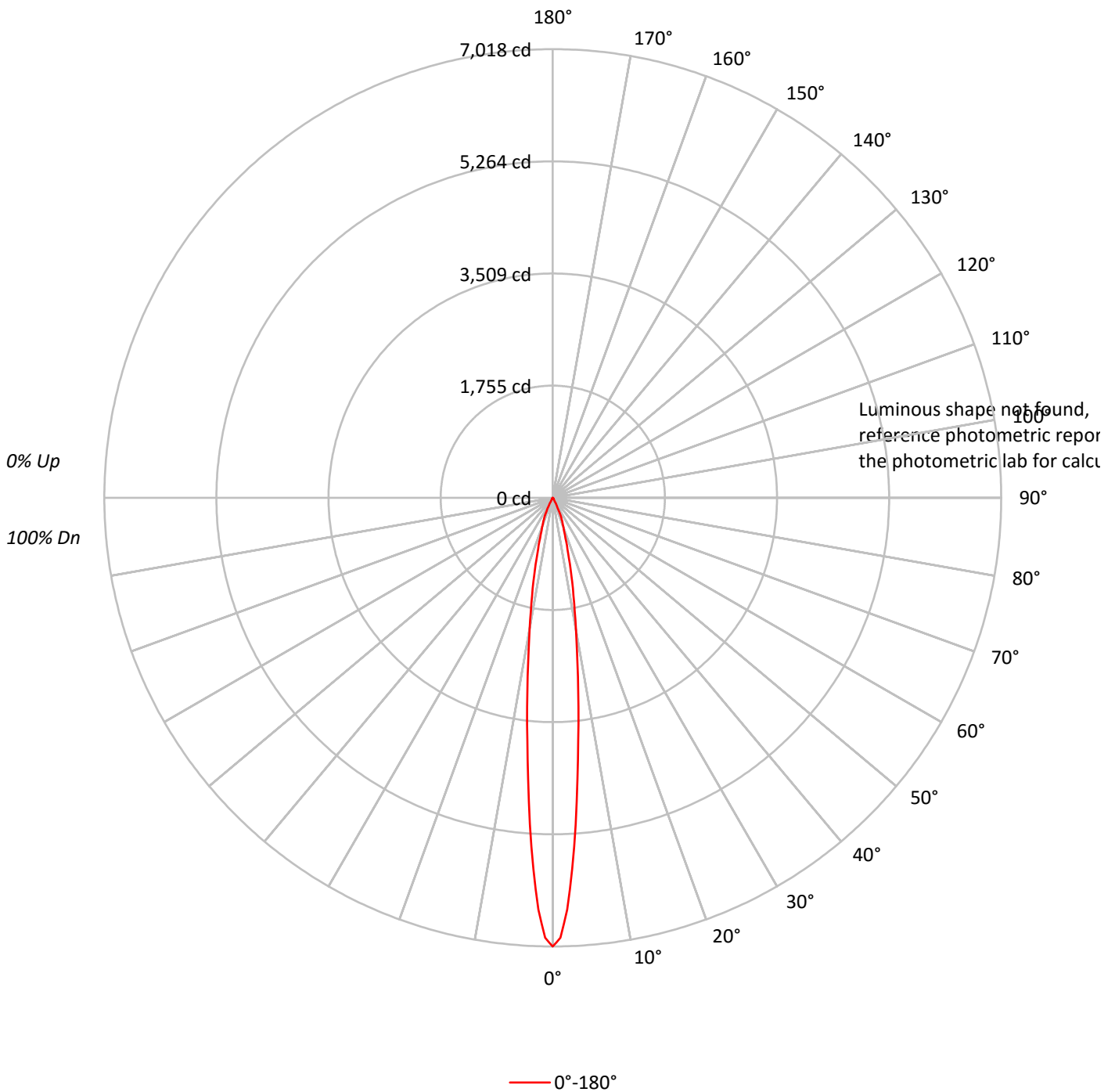
**Summary**

Lumens per Lamp: 3400 (1 lamp)  
Luminaire Lumens: 748.3 lumens  
Efficiency: 22.0%  
Efficacy: 19.2 lumens/watt  
Spacing Criteria (0/90/45): 0.23 / 0.23 / 0.27  
Luminous Opening: (L: 0 ' x W: -0.18 ' x H: 0 '  
CIE Type: Direct

Input Watts (W): 39  
Input Voltage (V): NR  
Input Current (Ain): 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



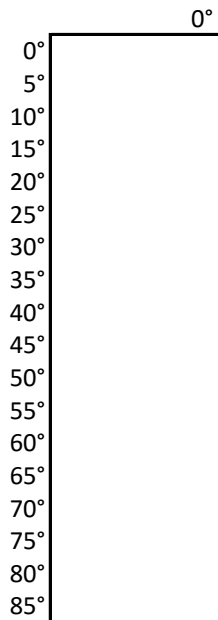


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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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	26	26	26	26	26	26	26	26	24	24	24		23	23	23		22	22	22	22
1	25	25	25	24	25	24	24	24	24	23	23		23	23	22		22	22	22	21
2	25	24	23	23	24	24	23	23	23	22	22		22	22	22		22	21	21	21
3	24	23	22	22	24	23	22	22	22	22	21		22	21	21		21	21	21	20
4	23	22	21	21	23	22	21	21	22	21	21		21	21	20		21	20	20	20
5	23	22	21	20	22	21	21	20	21	20	20		21	20	20		20	20	20	19
6	22	21	20	20	22	21	20	19	21	20	19		20	20	19		20	19	19	19
7	22	20	20	19	21	20	19	19	20	19	19		20	19	19		20	19	19	18
8	21	20	19	18	21	20	19	18	20	19	18		19	19	18		19	19	18	18
9	21	19	19	18	21	19	19	18	19	18	18		19	18	18		19	18	18	18
10	20	19	18	18	20	19	18	18	19	18	18		19	18	18		18	18	18	17

**AVERAGE LUMINANCE (cd/sqm):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	347.0	46.4	10.2
10°-20°	283.1	37.8	8.3
20°-30°	103.4	13.8	3.0
30°-40°	10.7	1.4	0.3
40°-50°	4.1	0.6	0.1
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°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-30°	733.5	98.0	21.6
0°-40°	744.2	99.4	21.9
0°-60°	748.3	100.0	22.0
0°-90°	748.3	100.0	22.0
90°-120°	0.0	0.0	0.0
90°-150°	0.0	0.0	0.0
90°-180°	0.0	0.0	0.0
0°-180°	748.3	100.0	22.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7018	
5°	4417	347
15°	982	283
25°	230	103
35°	13	11
45°	3	4
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7018
1°	6883
2°	6444
3°	5810
4°	5118
5°	4417
6°	3814
7°	3297
8°	2822
9°	2415
10°	2086
11°	1805
12°	1562
13°	1348
14°	1165
15°	982
16°	834
17°	713
18°	610
19°	539
20°	482
21°	433
22°	390
23°	345
24°	291
25°	230
26°	170
27°	122
28°	84
29°	56
30°	41
31°	22
32°	7
33°	7
34°	10
35°	13
36°	16
37°	21
38°	25
39°	20
40°	17
41°	14
42°	13
43°	7
44°	4



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**CANDELA DISTRIBUTION (continued):**

	0°
45°	3
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0
90°	0

(END OF REPORT)