

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 06501

Luminaire Tested: **2001-MH39T6-FL**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-46-04  
Report Number: LTL TEST NUMBER 06501  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 2001-MH39T6-FL  
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: -

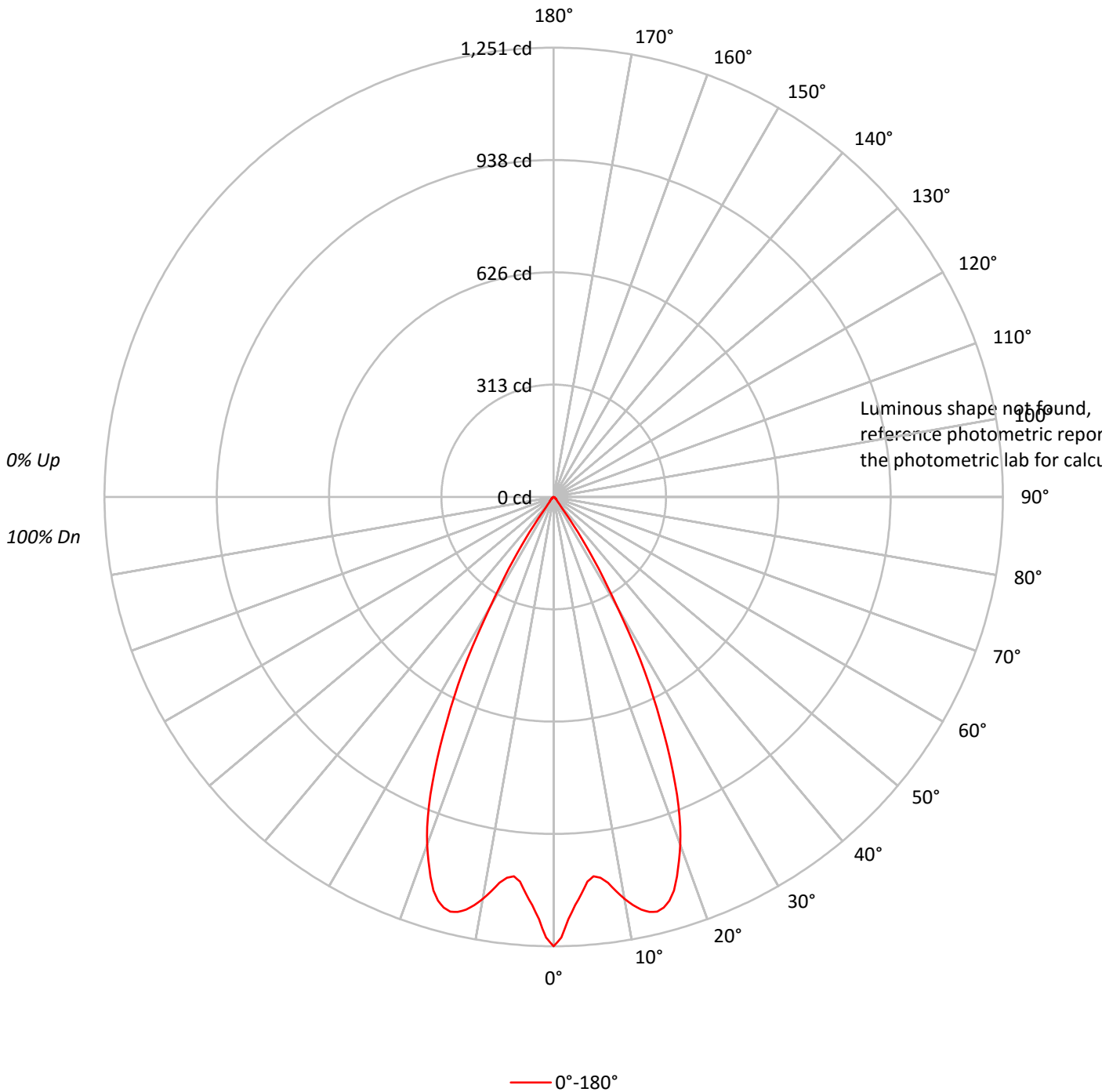
**Summary**

Lumens per Lamp: 3400 (1 lamp)  
Luminaire Lumens: 840.4 lumens  
Efficiency: 24.7%  
Efficacy: 21.5 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.77  
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

TEST NUMBER: LTL TEST NUMBER 06501  
CATALOG NUMBER: 2001-MH39T6-FL

### Luminous Intensity Polar Plot



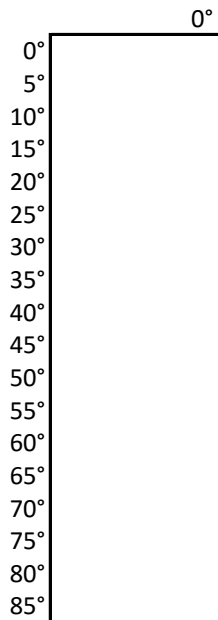


TEST NUMBER: LTL TEST NUMBER 06501  
 CATALOG NUMBER: 2001-MH39T6-FL

**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	29	29	29	29	29	29	29	29	27	27	27		26	26	26		25	25	25	25
1	28	28	27	27	28	27	27	26	26	26	25		25	25	25		24	24	24	23
2	27	26	25	24	26	26	25	24	25	24	24		24	23	23		23	23	23	22
3	26	24	23	22	25	24	23	22	23	23	22		23	22	22		22	22	21	21
4	25	23	22	21	24	23	22	21	22	21	21		22	21	20		21	21	20	20
5	24	22	21	20	23	22	20	20	21	20	19		21	20	19		20	20	19	19
6	23	21	19	19	22	21	19	18	20	19	18		20	19	18		20	19	18	18
7	22	20	18	17	21	20	18	17	19	18	17		19	18	17		19	18	17	17
8	21	19	17	17	21	19	17	17	18	17	16		18	17	16		18	17	16	16
9	20	18	17	16	20	18	17	16	18	16	16		17	16	16		17	16	16	15
10	19	17	16	15	19	17	16	15	17	16	15		17	16	15		16	15	15	14

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





TEST NUMBER: LTL TEST NUMBER 06501  
 CATALOG NUMBER: 2001-MH39T6-FL

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	105.1	12.5	3.1
10°-20°	323.6	38.5	9.5
20°-30°	322.6	38.4	9.5
30°-40°	76.7	9.1	2.3
40°-50°	8.6	1.0	0.3
50°-60°	3.8	0.5	0.1
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°	751.3	89.4	22.1
0°-40°	828.0	98.5	24.4
0°-60°	840.4	100.0	24.7
0°-90°	840.4	100.0	24.7
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°	840.4	100.0	24.7

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1251	
5°	1075	105
15°	1184	324
25°	727	323
35°	97	77
45°	11	9
55°	4	4
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: LTL TEST NUMBER 06501

CATALOG NUMBER: 2001-MH39T6-FL

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1251
1°	1227
2°	1176
3°	1138
4°	1108
5°	1075
6°	1062
7°	1068
8°	1085
9°	1112
10°	1136
11°	1158
12°	1175
13°	1186
14°	1190
15°	1184
16°	1169
17°	1146
18°	1111
19°	1071
20°	1031
21°	984
22°	928
23°	865
24°	798
25°	727
26°	655
27°	587
28°	512
29°	431
30°	357
31°	291
32°	236
33°	187
34°	141
35°	97
36°	61
37°	39
38°	29
39°	23
40°	20
41°	16
42°	15
43°	14
44°	12



TEST NUMBER: LTL TEST NUMBER 06501

CATALOG NUMBER: 2001-MH39T6-FL

**CANDELA DISTRIBUTION (continued):**

	0°
45°	11
46°	10
47°	7
48°	7
49°	7
50°	7
51°	8
52°	6
53°	7
54°	5
55°	4
56°	4
57°	3
58°	1
59°	2
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0
90°	0

(END OF REPORT)