

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: P380841

Luminaire Tested: **H36RTAT-3007WHW**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-41-14  
Report Number: P380841  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: H36RTAT-3007WHW  
Description: 3" ADJ LENS MW REFLECTOR, MW TRIM  
Light Source: -  
Ballast/Driver: -

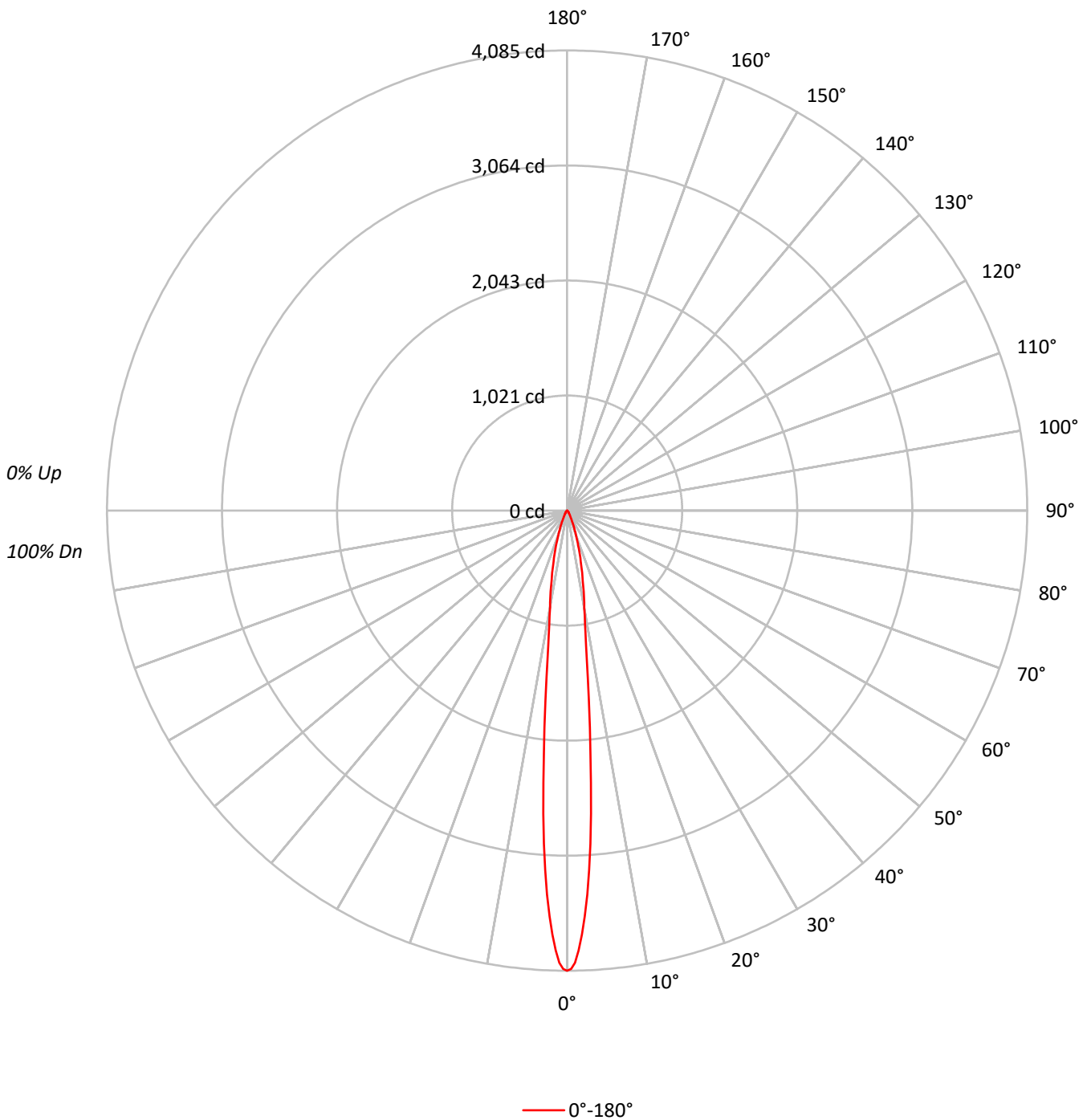
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 389.1 lumens  
Efficiency: N/A  
Efficacy: 46.3 lumens/watt  
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.22  
Luminous Opening: Circular (Dia: 0.21' x H: 0')  
CIE Type: Direct

Input Watts (W): 8.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	113	111	109	113	111	109	107	107	105	104		103	102	101		100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97	96	95	93
3	108	103	99	97	106	102	98	96	99	97	94		97	95	93		95	93	91	90
4	104	99	95	92	103	98	94	92	96	93	91		94	92	90		93	90	89	87
5	101	96	92	89	100	95	91	88	93	90	87		92	89	87		90	88	86	85
6	99	93	88	85	97	92	88	85	91	87	85		89	86	84		88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82		87	84	82		86	84	81	81
8	94	87	83	81	93	87	83	80	86	83	80		85	82	80		84	82	79	79
9	91	85	81	78	91	85	81	78	84	80	78		83	80	78		82	80	78	77
10	89	83	79	77	89	83	79	76	82	79	76		81	78	76		81	78	76	75

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

	0°
0°	1289901
5°	768656
10°	281198
15°	151684
20°	75271
25°	34841
30°	17501
35°	10408
40°	6595
45°	4019
50°	2947
55°	2202
60°	1895
65°	2241
70°	1846
75°	1220
80°	1818
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.8	44.9
10°-20°	130.9	33.6
20°-30°	50.2	12.9
30°-40°	17.7	4.5
40°-50°	7.4	1.9
50°-60°	3.9	1.0
60°-70°	2.6	0.7
70°-80°	1.4	0.4
80°-90°	0.1	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	355.9	91.5
0°-40°	373.6	96.0
0°-60°	384.9	98.9
0°-90°	389.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	389.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4085	
5°	2425	175
15°	464	131
25°	100	50
35°	27	18
45°	9	7
55°	4	4
65°	3	3
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4085
0.5°	4069
1°	4014
1.5°	3906
2°	3766
2.5°	3604
3°	3413
3.5°	3197
4°	2965
4.5°	2700
5°	2425
5.5°	2158
6°	1936
6.5°	1694
7°	1500
7.5°	1335
8°	1206
8.5°	1107
9°	1020
9.5°	945
10°	877
12.5°	637
15°	464
17.5°	326
20°	224
22.5°	151
25°	100
27.5°	67
30°	48
32.5°	35
35°	27
37.5°	21
40°	16
42.5°	12
45°	9
47.5°	7
50°	6
52.5°	5
55°	4
57.5°	4
60°	3
62.5°	3
65°	3
67.5°	2
70°	2



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**CANDELA DISTRIBUTION (continued):**

	0°
72.5°	2
75°	1
77.5°	1
80°	1
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)