

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: P380836

Luminaire Tested: **H36RTAT-3001WHWB**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-41-14  
Report Number: P380836  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: H36RTAT-3001WHWB  
Description: 3" ADJ PINHOLE MW BAFFLE, MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

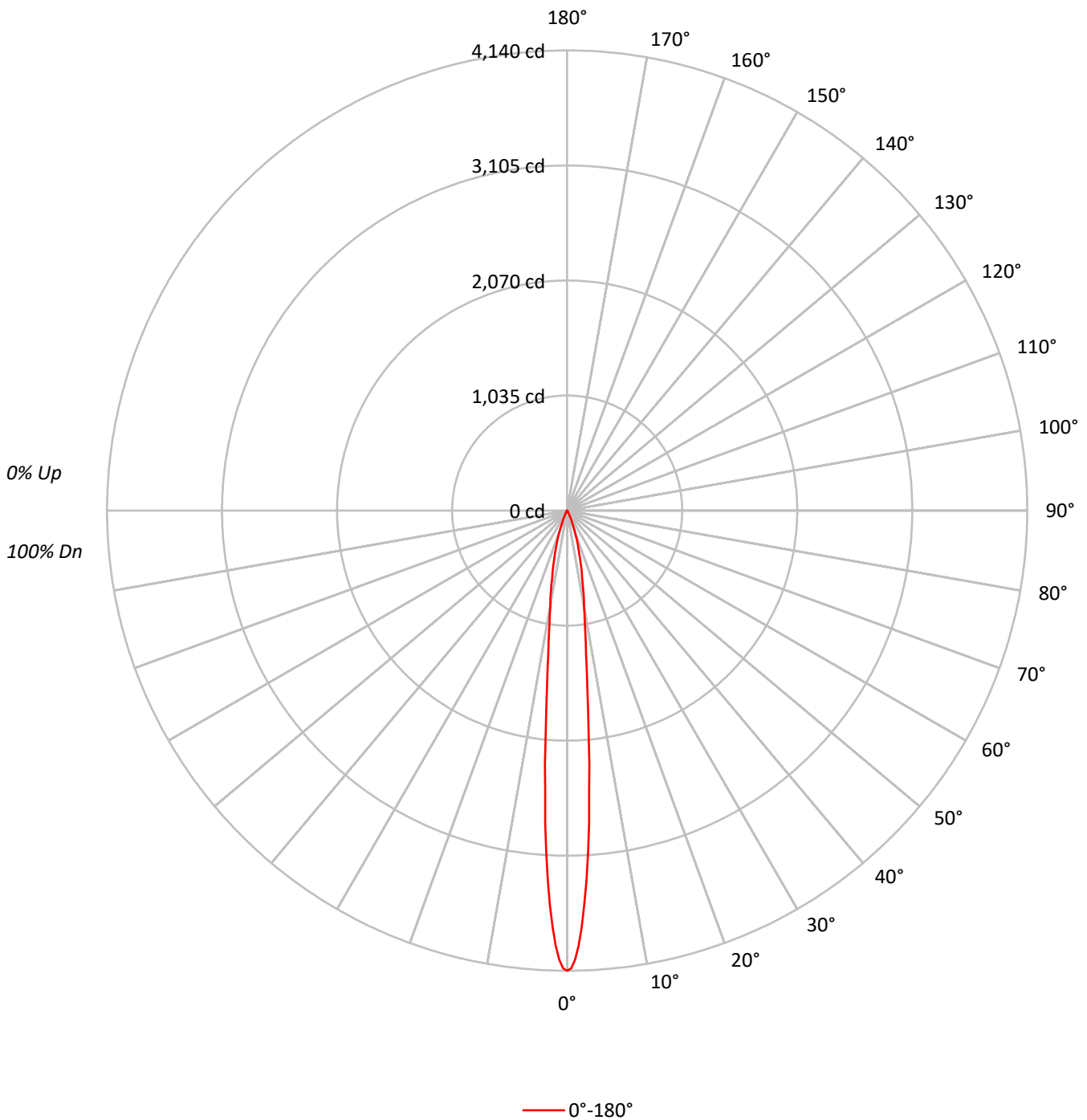
Lumens per Lamp: N/A  
Luminaire Lumens: 347.6 lumens  
Efficiency: N/A  
Efficacy: 41.9 lumens/watt  
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.22  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 8.3  
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	108	107	106	104	103	102	101	100	99	98	97
2	112	108	105	103	110	106	104	102	103	101	99	100	99	97	98	97	95	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87
6	100	94	91	88	99	94	90	88	92	89	87	91	89	86	90	88	86	85
7	98	92	88	85	97	91	88	85	90	87	85	89	87	84	88	86	84	83
8	96	90	86	83	95	89	86	83	88	85	83	88	85	83	87	84	82	81
9	94	88	84	82	93	87	84	81	87	83	81	86	83	81	85	83	81	80
10	92	86	82	80	91	86	82	80	85	82	80	84	81	79	84	81	79	78

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

	0°
0°	2042591
5°	1136631
10°	438868
15°	230874
20°	103434
25°	34841
30°	7976
35°	4216
40°	3864
45°	3489
50°	3070
55°	3441
60°	2960
65°	3502
70°	2885
75°	3813
80°	2841
85°	5661



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	169.3	48.7
10°-20°	126.9	36.5
20°-30°	34.3	9.9
30°-40°	4.9	1.4
40°-50°	3.7	1.1
50°-60°	3.2	0.9
60°-70°	2.6	0.7
70°-80°	2.0	0.6
80°-90°	0.7	0.2
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°	330.5	95.1
0°-40°	335.4	96.5
0°-60°	342.3	98.5
0°-90°	347.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	347.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4140	
5°	2295	169
15°	452	127
25°	64	34
35°	7	5
45°	5	4
55°	4	3
65°	3	3
75°	2	2
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4140
0.5°	4120
1°	4044
1.5°	3916
2°	3752
2.5°	3550
3°	3325
3.5°	3077
4°	2819
4.5°	2523
5°	2295
5.5°	2013
6°	1805
6.5°	1603
7°	1450
7.5°	1307
8°	1199
8.5°	1100
9°	1014
9.5°	942
10°	876
12.5°	629
15°	452
17.5°	308
20°	197
22.5°	118
25°	64
27.5°	30
30°	14
32.5°	9
35°	7
37.5°	6
40°	6
42.5°	5
45°	5
47.5°	4
50°	4
52.5°	4
55°	4
57.5°	3
60°	3
62.5°	3
65°	3
67.5°	2
70°	2



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)