

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: P380839

Luminaire Tested: **H36RTAT-3004WHW**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-41-14  
Report Number: P380839  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: H36RTAT-3004WHW  
Description: 3" ADJ MW REFLECTOR, MW TRIM  
Light Source: -  
Ballast/Driver: -

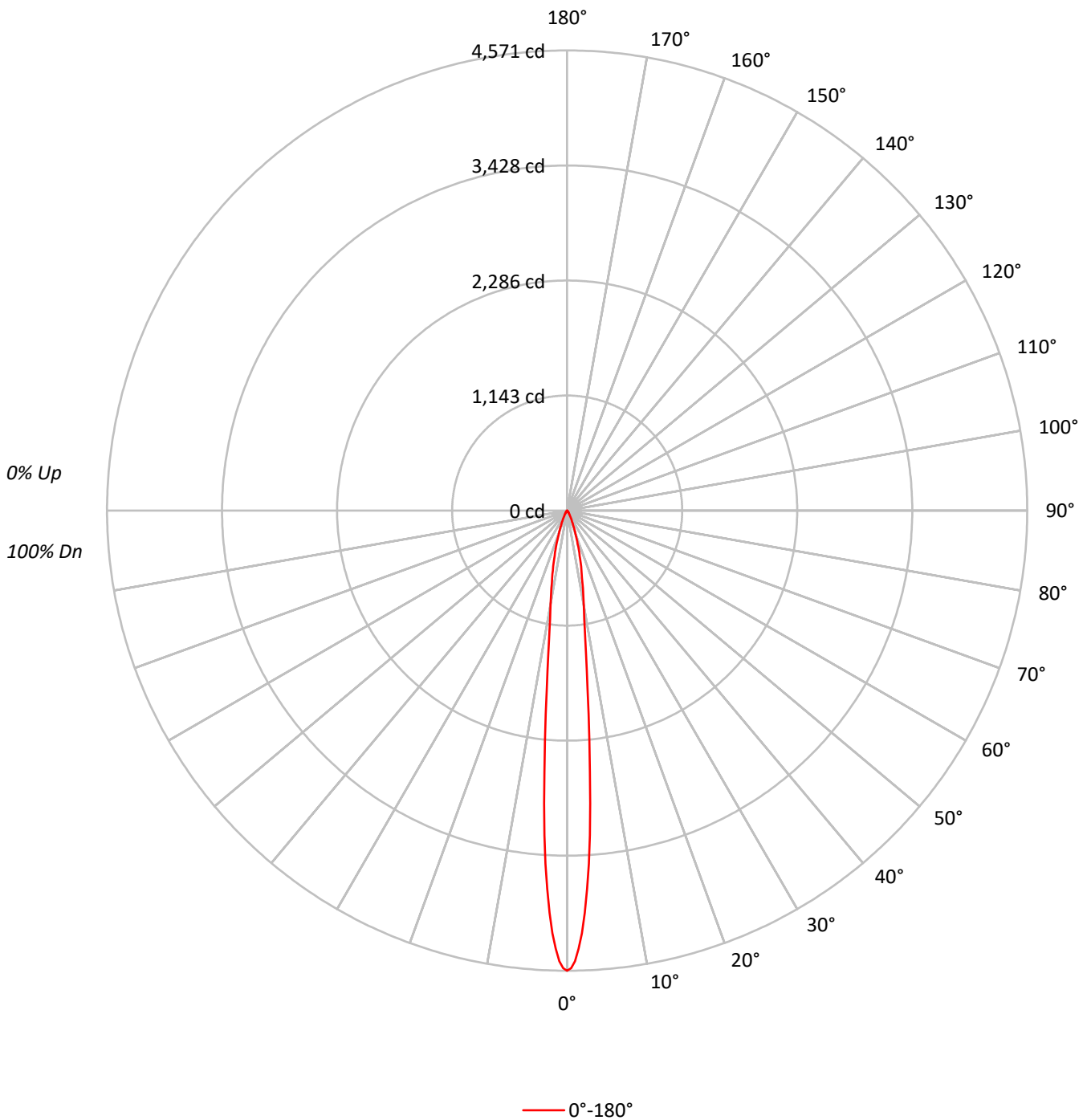
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 410.1 lumens  
Efficiency: N/A  
Efficacy: 49.4 lumens/watt  
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.21  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 8.3  
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	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	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95	94	92	91
4	105	100	96	93	103	99	95	92	97	94	91		95	92	90		93	91	89	88
5	102	96	92	89	101	95	92	89	94	91	88		92	90	88		91	89	87	86
6	99	93	89	86	98	93	89	86	91	88	86		90	87	85		89	87	85	84
7	97	91	87	84	96	90	86	84	89	86	83		88	85	83		87	84	82	82
8	94	88	84	82	94	88	84	81	87	84	81		86	83	81		85	83	81	80
9	92	86	82	80	91	86	82	79	85	82	79		84	81	79		83	81	79	78
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82	79	77	76

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

	0°
0°	2255238
5°	1290163
10°	471933
15°	253349
20°	124435
25°	56072
30°	27346
35°	15058
40°	7729
45°	4186
50°	3838
55°	3441
60°	2960
65°	2335
70°	2885
75°	1906
80°	2841
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.0	46.1
10°-20°	140.1	34.2
20°-30°	52.2	12.7
30°-40°	16.4	4.0
40°-50°	5.3	1.3
50°-60°	3.6	0.9
60°-70°	2.3	0.6
70°-80°	1.2	0.3
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°	381.3	93.0
0°-40°	397.6	97.0
0°-60°	406.5	99.1
0°-90°	410.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	410.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4571	
5°	2605	189
15°	496	140
25°	103	52
35°	25	16
45°	6	5
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4571
0.5°	4546
1°	4478
1.5°	4352
2°	4201
2.5°	4001
3°	3765
3.5°	3516
4°	3233
4.5°	2919
5°	2605
5.5°	2297
6°	2033
6.5°	1796
7°	1602
7.5°	1440
8°	1291
8.5°	1187
9°	1092
9.5°	1010
10°	942
12.5°	684
15°	496
17.5°	348
20°	237
22.5°	159
25°	103
27.5°	68
30°	48
32.5°	34
35°	25
37.5°	18
40°	12
42.5°	8
45°	6
47.5°	5
50°	5
52.5°	4
55°	4
57.5°	4
60°	3
62.5°	3
65°	2
67.5°	2
70°	2



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)