

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: P380837

Luminaire Tested: **H36RTAT-3002WHC**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P380837
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H36RTAT-3002WHC
Description: 3" ADJ PINHOLE, C REF, MB OCULUS, MW TRIM
Light Source: -
Ballast/Driver: -

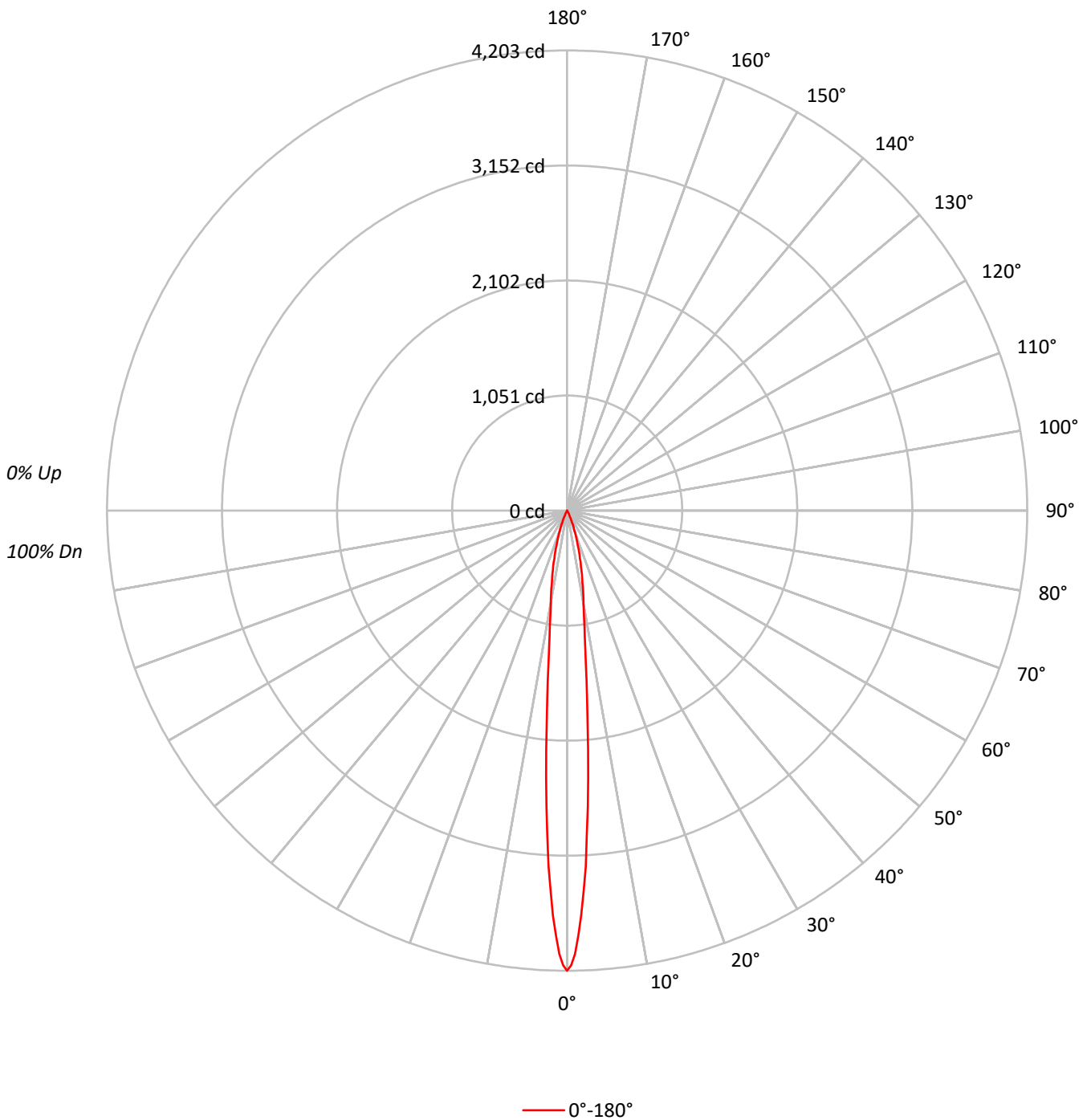
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 327.1 lumens
Efficiency: N/A
Efficacy: 39.4 lumens/watt
Spacing Criteria (0/90/45): 0.18 / 0.18 / 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	116	114	112	110	113	112	110	109	108	106	105		104	103	102		101	100	99	98
2	112	109	106	104	110	108	105	103	104	103	101		102	100	99		99	98	97	95
3	109	105	102	100	108	104	101	99	102	99	97		99	98	96		97	96	95	93
4	107	102	99	96	105	101	98	95	99	96	94		97	95	93		96	94	92	91
5	104	99	96	93	103	98	95	93	97	94	92		95	93	91		94	92	90	89
6	102	97	93	90	101	96	93	90	95	92	90		93	91	89		92	90	89	88
7	100	94	91	88	99	94	90	88	93	90	88		92	89	87		91	88	87	86
8	98	92	89	86	97	92	88	86	91	88	86		90	87	85		89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84		88	86	84		88	85	83	83
10	94	88	85	83	93	88	85	83	87	84	82		87	84	82		86	84	82	81

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2073674
5°	1083638
10°	430351
15°	230874
20°	103434
25°	33207
30°	5127
35°	1807
40°	1288
45°	698
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.5	50.3
10°-20°	126.4	38.7
20°-30°	32.9	10.1
30°-40°	2.5	0.8
40°-50°	0.8	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	323.8	99.0
0°-40°	326.3	99.8
0°-60°	327.1	100.0
0°-90°	327.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	327.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4203	
5°	2188	164
15°	452	126
25°	61	33
35°	3	3
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4203
0.5°	4153
1°	4052
1.5°	3884
2°	3700
2.5°	3471
3°	3254
3.5°	2961
4°	2712
4.5°	2448
5°	2188
5.5°	1949
6°	1730
6.5°	1561
7°	1397
7.5°	1270
8°	1159
8.5°	1070
9°	984
9.5°	918
10°	859
12.5°	631
15°	452
17.5°	307
20°	197
22.5°	116
25°	61
27.5°	26
30°	9
32.5°	5
35°	3
37.5°	3
40°	2
42.5°	1
45°	1
47.5°	1
50°	0
52.5°	0
55°	0
57.5°	0
60°	0
62.5°	0
65°	0
67.5°	0
70°	0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)