

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: P380838

Luminaire Tested: **H36RTAT-3003WHWB**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P380838
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H36RTAT-3003WHWB
Description: 3" ADJ COILEX MW BAFFLE, MW TRIM
Light Source: -
Ballast/Driver: -

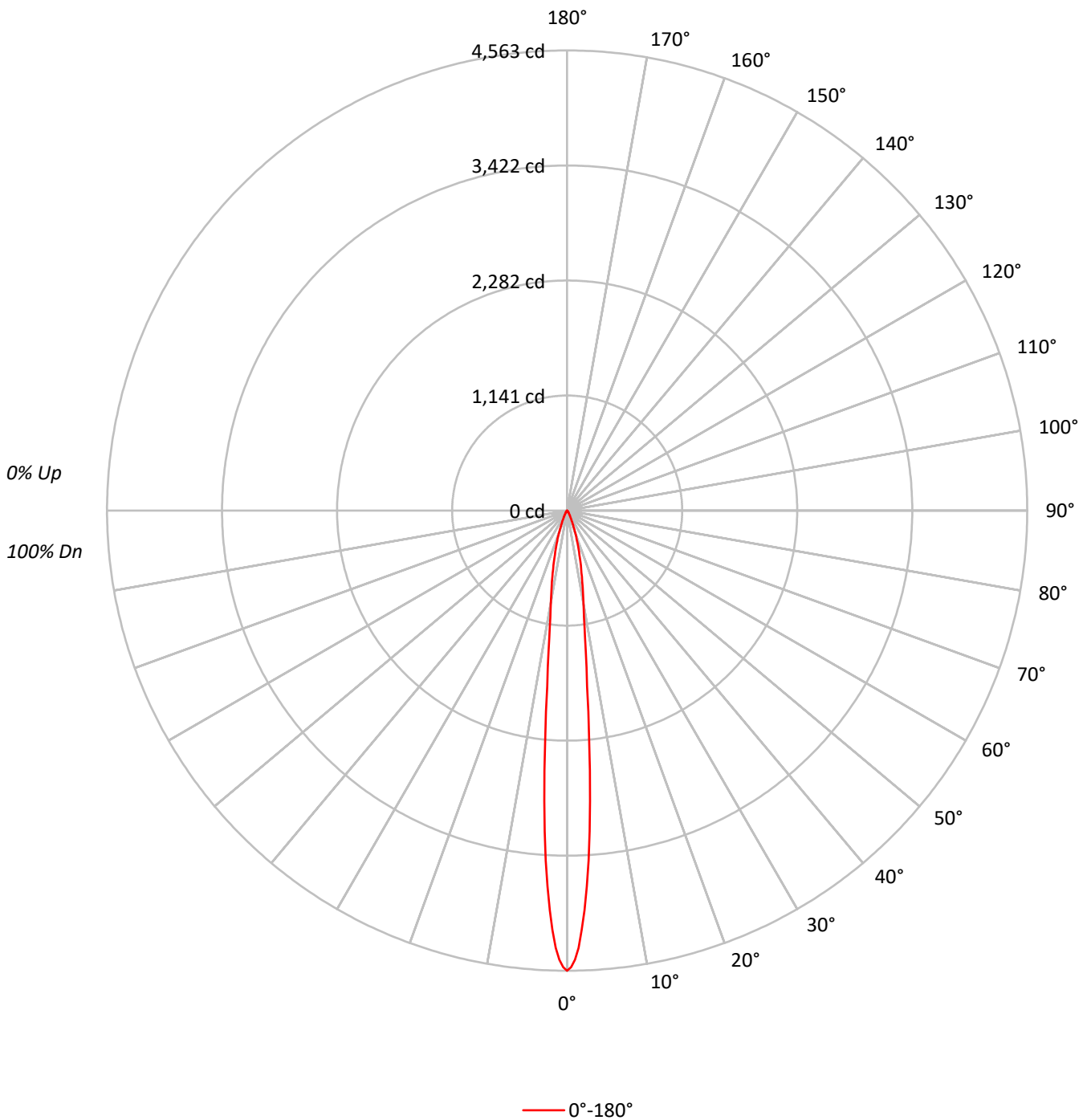
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 401.2 lumens
Efficiency: N/A
Efficacy: 48.3 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	103	109	106	104	101	103	101	99	100	99	97	98	96	95	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91
4	105	100	96	93	103	99	95	93	97	94	92	95	93	91	93	91	90	88
5	102	96	93	90	101	96	92	89	94	91	89	93	90	88	91	89	87	86
6	99	94	90	87	98	93	89	86	92	88	86	90	88	85	89	87	85	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82
8	95	88	85	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80
9	93	86	82	80	92	86	82	80	85	82	80	84	81	79	84	81	79	78
10	90	84	81	78	90	84	80	78	83	80	78	83	80	78	82	79	77	77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2251291
5°	1281744
10°	463917
15°	247730
20°	121810
25°	54438
30°	26206
35°	14455
40°	7085
45°	3489
50°	3070
55°	3441
60°	2960
65°	2335
70°	1443
75°	1906
80°	2841
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.5	46.5
10°-20°	137.3	34.2
20°-30°	50.6	12.6
30°-40°	15.7	3.9
40°-50°	4.5	1.1
50°-60°	3.2	0.8
60°-70°	2.2	0.6
70°-80°	1.1	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°	374.4	93.3
0°-40°	390.1	97.2
0°-60°	397.8	99.1
0°-90°	401.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	401.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4563	
5°	2588	187
15°	485	137
25°	100	51
35°	24	16
45°	5	4
55°	4	3
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4563
0.5°	4528
1°	4453
1.5°	4337
2°	4160
2.5°	3968
3°	3733
3.5°	3476
4°	3187
4.5°	2890
5°	2588
5.5°	2280
6°	2003
6.5°	1753
7°	1569
7.5°	1409
8°	1271
8.5°	1162
9°	1074
9.5°	993
10°	926
12.5°	672
15°	485
17.5°	340
20°	232
22.5°	154
25°	100
27.5°	66
30°	46
32.5°	33
35°	24
37.5°	17
40°	11
42.5°	7
45°	5
47.5°	4
50°	4
52.5°	4
55°	4
57.5°	3
60°	3
62.5°	3
65°	2
67.5°	2
70°	1



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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)