

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: P380842

Luminaire Tested: **H36RTAT-3008FG**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P380842
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H36RTAT-3008FG
Description: 3" SELECTIVE FROSTED GLASS LENS TRIM
Light Source: -
Ballast/Driver: -

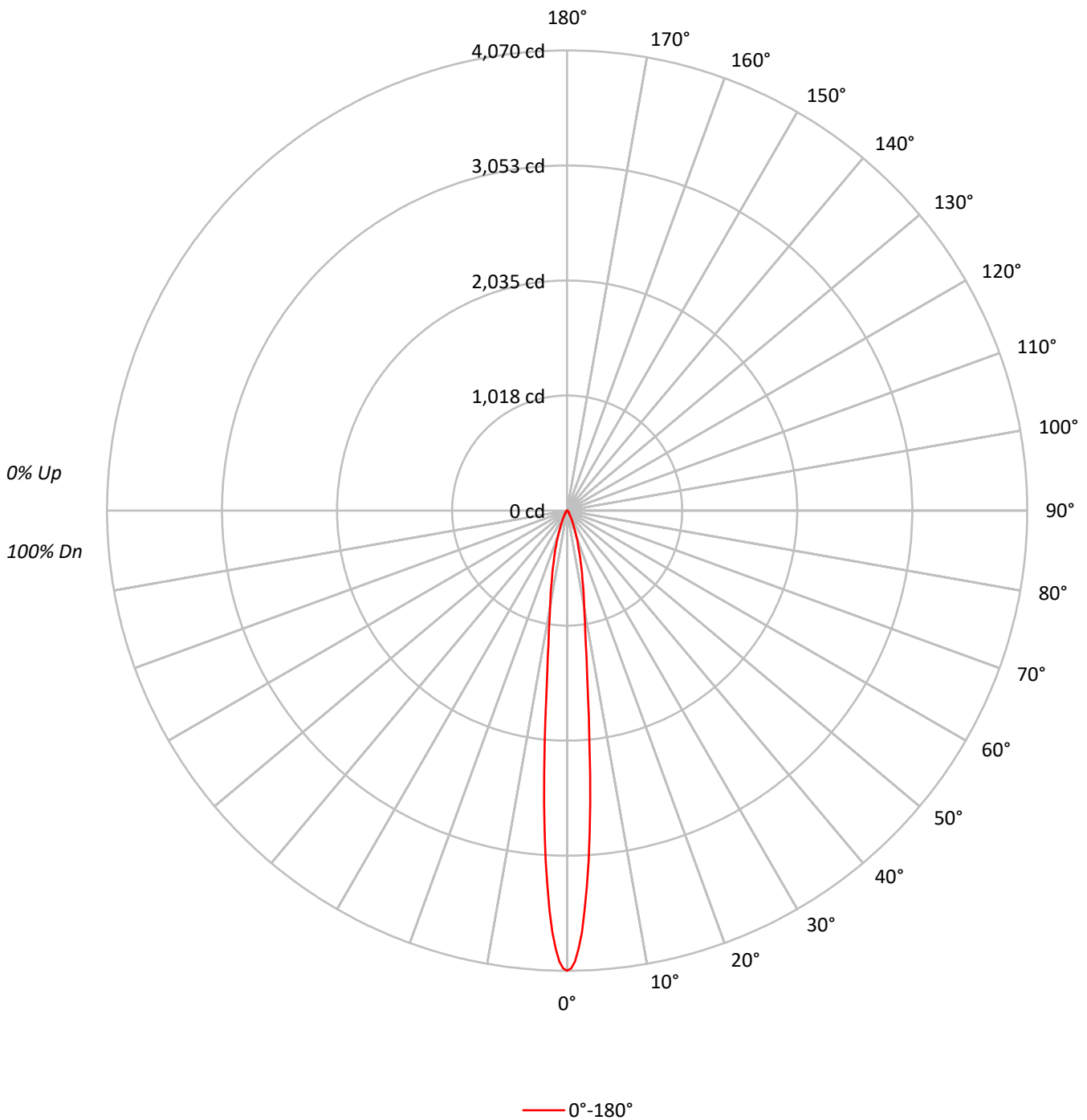
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 394.2 lumens
Efficiency: N/A
Efficacy: 46.9 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): 8.4
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	112	111	109	107	107	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97	95	94	93
3	107	102	99	96	105	101	98	95	99	96	93		96	94	92		94	92	91	89
4	104	98	94	91	102	97	94	91	95	92	90		93	91	89		92	89	88	86
5	101	95	90	87	99	94	90	87	92	89	86		91	88	86		89	87	85	84
6	98	91	87	84	97	91	87	84	89	86	83		88	85	83		87	84	82	81
7	95	89	84	81	94	88	84	81	87	83	81		86	83	80		85	82	80	79
8	93	86	82	79	92	86	82	79	85	81	79		84	81	78		83	80	78	77
9	90	84	80	77	89	83	79	77	82	79	76		82	79	76		81	78	76	75
10	88	82	78	75	87	81	77	75	80	77	75		80	77	74		79	76	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2008055
5°	1157928
10°	433357
15°	231896
20°	121285
25°	59338
30°	29625
35°	17467
40°	14169
45°	11164
50°	6140
55°	4301
60°	3947
65°	3502
70°	2885
75°	1906
80°	2841
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.2	43.2
10°-20°	129.4	32.8
20°-30°	53.7	13.6
30°-40°	19.8	5.0
40°-50°	11.7	3.0
50°-60°	4.7	1.2
60°-70°	3.0	0.8
70°-80°	1.4	0.4
80°-90°	0.4	0.1
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°	353.3	89.6
0°-40°	373.1	94.6
0°-60°	389.4	98.8
0°-90°	394.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	394.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4070	
5°	2338	170
15°	454	129
25°	109	54
35°	29	20
45°	16	12
55°	5	5
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4070
0.5°	4050
1°	3988
1.5°	3875
2°	3733
2.5°	3544
3°	3333
3.5°	3109
4°	2864
4.5°	2600
5°	2338
5.5°	2062
6°	1838
6.5°	1622
7°	1450
7.5°	1311
8°	1188
8.5°	1092
9°	1006
9.5°	930
10°	865
12.5°	627
15°	454
17.5°	324
20°	231
22.5°	159
25°	109
27.5°	75
30°	52
32.5°	37
35°	29
37.5°	25
40°	22
42.5°	19
45°	16
47.5°	11
50°	8
52.5°	6
55°	5
57.5°	4
60°	4
62.5°	3
65°	3
67.5°	3
70°	2



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)