

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: P380844

Luminaire Tested: **H36RTAT-3010WH**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P380844
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H36RTAT-3010WH
Description: 3" SUPER ADJ, MW OCULUS, MW TRIM
Light Source: -
Ballast/Driver: -

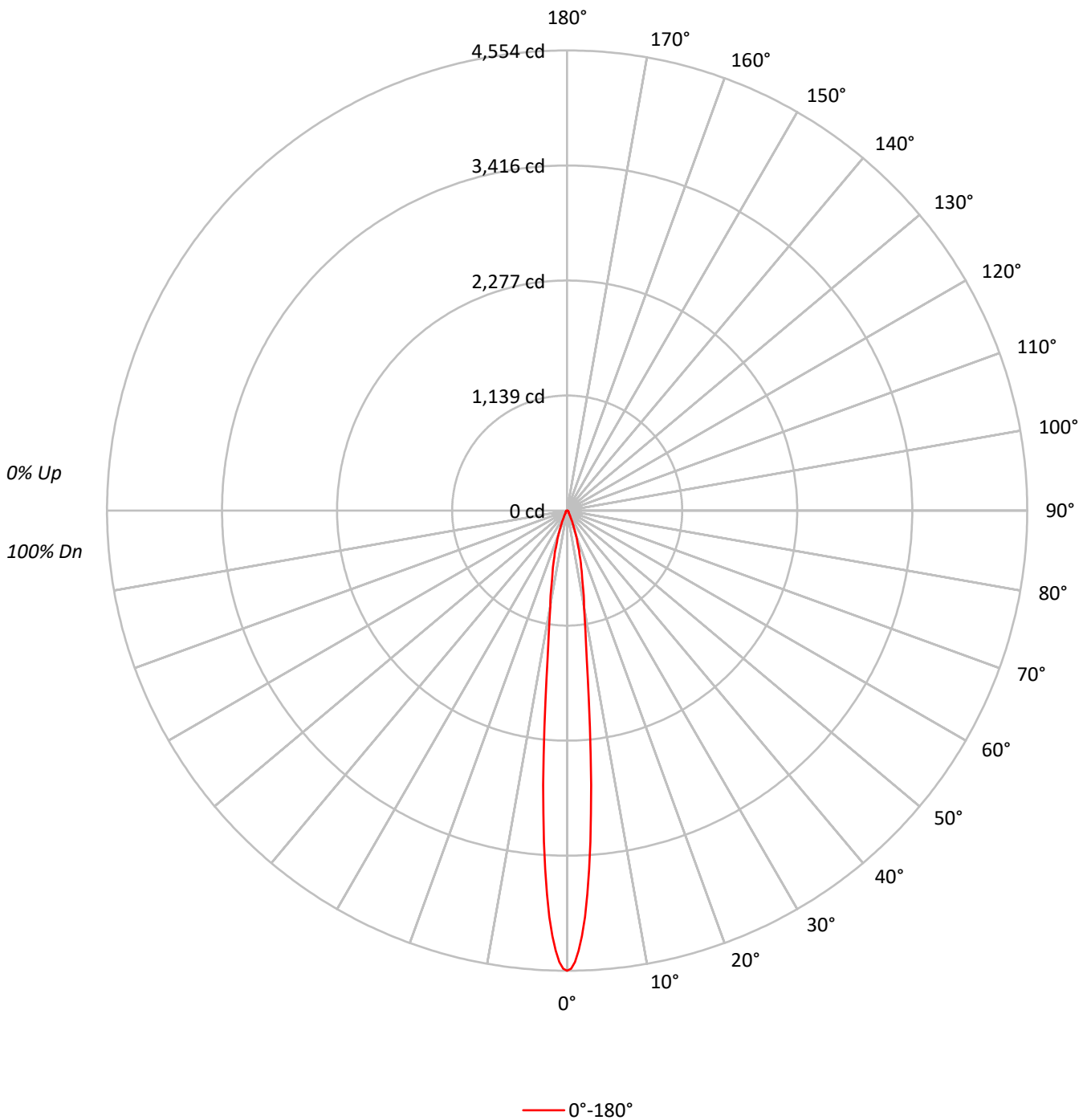
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 450.6 lumens
Efficiency: N/A
Efficacy: 53.6 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 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	114	112	110	108	112	110	108	106	106	105	103		102	101	100		99	98	97	96
2	110	106	103	100	108	104	101	99	101	99	97		98	96	95		96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	92		95	92	90		93	91	89	88
4	103	97	92	89	101	96	92	89	94	90	88		92	89	87		90	88	86	84
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85	82	80	79
7	94	87	82	79	93	86	82	79	85	82	79		84	81	78		83	80	78	77
8	91	84	80	77	90	84	80	77	83	79	77		82	79	76		81	78	76	75
9	89	82	78	75	88	82	78	75	81	77	75		80	77	74		79	76	74	73
10	87	80	76	73	86	80	76	73	79	75	73		78	75	73		78	75	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2246850
5°	1350090
10°	483456
15°	257435
20°	125485
25°	57705
30°	27916
35°	16865
40°	14169
45°	11862
50°	11513
55°	12043
60°	12828
65°	12842
70°	12983
75°	3813
80°	2841
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.8	43.2
10°-20°	141.9	31.5
20°-30°	53.1	11.8
30°-40°	19.1	4.2
40°-50°	13.6	3.0
50°-60°	12.8	2.8
60°-70°	11.1	2.5
70°-80°	3.7	0.8
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°	389.9	86.5
0°-40°	409.0	90.8
0°-60°	435.4	96.6
0°-90°	450.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	450.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4554	
5°	2726	195
15°	504	142
25°	106	53
35°	28	19
45°	17	14
55°	14	13
65°	11	11
75°	2	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4554
0.5°	4534
1°	4467
1.5°	4356
2°	4214
2.5°	4027
3°	3802
3.5°	3556
4°	3285
4.5°	3008
5°	2726
5.5°	2431
6°	2153
6.5°	1899
7°	1680
7.5°	1492
8°	1339
8.5°	1224
9°	1131
9.5°	1043
10°	965
12.5°	690
15°	504
17.5°	351
20°	239
22.5°	160
25°	106
27.5°	71
30°	49
32.5°	36
35°	28
37.5°	24
40°	22
42.5°	19
45°	17
47.5°	16
50°	15
52.5°	15
55°	14
57.5°	14
60°	13
62.5°	13
65°	11
67.5°	10
70°	9



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CANDELA DISTRIBUTION (continued):

	0°
72.5°	6
75°	2
77.5°	1
80°	1
82.5°	1
85°	0
87.5°	0
90°	0

(END OF REPORT)