

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: P380845

Luminaire Tested: **H36RTAT-3011WHWB**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P380845
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H36RTAT-3011WHWB
Description: 3" ADJ SQUARE MW BAFFLE, MW TRIM
Light Source: -
Ballast/Driver: -

Summary

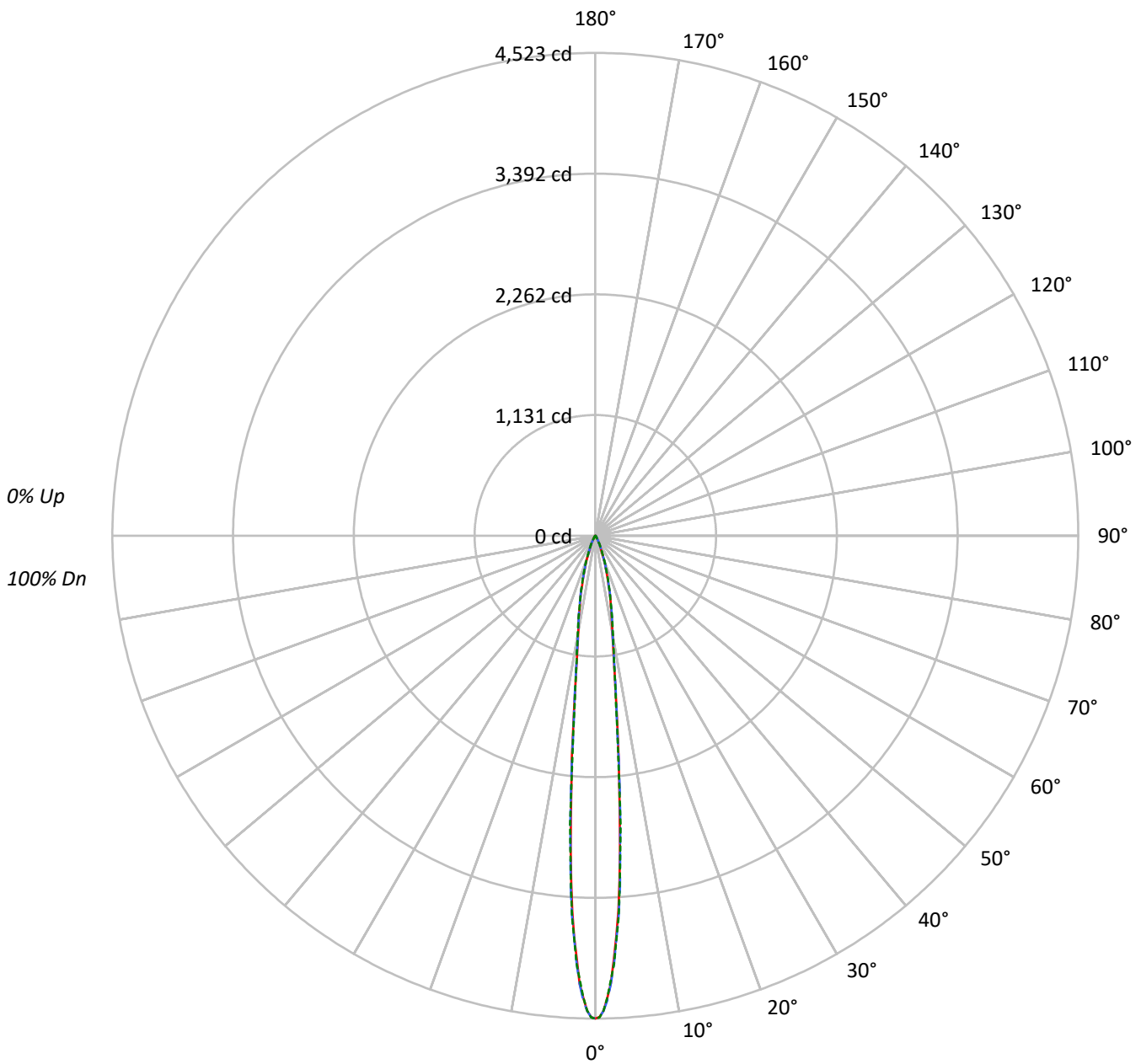
Lumens per Lamp: N/A
Luminaire Lumens: 403.8 lumens
Efficiency: N/A
Efficacy: 48.1 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.21
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

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



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



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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	97	93	90	101	96	92	89	94	91	89	93	90	88	91	89	87	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	84
7	97	91	87	84	96	90	87	84	89	86	84	88	86	83	87	85	83	82
8	95	89	85	82	94	88	85	82	87	84	82	86	84	81	86	83	81	80
9	93	87	83	80	92	86	83	80	85	82	80	85	82	80	84	81	79	79
10	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	80	78	77

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1752660	1752660	1752660
5°	1021849	1037798	1056080
10°	361212	366327	373016
15°	190956	195369	196573
20°	92370	95669	97731
25°	41046	42328	43611
30°	17450	20583	18345
35°	6150	11353	7096
40°	3541	6576	3541
45°	2740	3288	2740
50°	3014	2411	2411
55°	2702	2702	2702
60°	3100	2325	3100
65°	2751	2751	2751
70°	2266	2266	2266
75°	1497	1497	1497
80°	2232	2232	2232
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.6	47.2
10°-20°	137.9	34.1
20°-30°	49.7	12.3
30°-40°	12.8	3.2
40°-50°	4.6	1.1
50°-60°	3.6	0.9
60°-70°	2.7	0.7
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°	378.2	93.7
0°-40°	391.0	96.8
0°-60°	399.2	98.9
0°-90°	403.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	403.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4523	4523	4523	4523	4523	
5°	2627	2649	2668	2645	2715	189
15°	476	481	487	493	490	135
25°	96	95	99	101	102	48
35°	13	17	24	18	15	10
45°	5	5	6	5	5	4
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4523	4523	4523	4523	4523
0.5°	4509	4507	4511	4501	4513
1°	4451	4456	4450	4443	4447
1.5°	4330	4353	4348	4324	4328
2°	4197	4187	4199	4177	4165
2.5°	3974	3996	4010	4004	4015
3°	3762	3826	3776	3803	3779
3.5°	3520	3572	3567	3516	3576
4°	3242	3283	3299	3254	3285
4.5°	2941	2970	2966	2943	2969
5°	2627	2649	2668	2645	2715
5.5°	2320	2342	2377	2341	2325
6°	2101	2102	2087	2124	2052
6.5°	1840	1828	1801	1859	1825
7°	1621	1606	1626	1635	1591
7.5°	1439	1425	1454	1451	1442
8°	1291	1292	1313	1303	1300
8.5°	1172	1181	1182	1182	1195
9°	1073	1086	1086	1096	1101
9.5°	989	1006	1003	1018	1022
10°	918	934	931	942	948
12.5°	675	677	680	676	682
15°	476	481	487	493	490
17.5°	330	333	340	347	346
20°	224	227	232	235	237
22.5°	144	149	152	154	159
25°	96	95	99	101	102
27.5°	61	63	66	64	65
30°	39	42	46	43	41
32.5°	23	27	32	28	25
35°	13	17	24	18	15
37.5°	8	11	17	12	10
40°	7	8	13	8	7
42.5°	6	6	9	6	6
45°	5	5	6	5	5
47.5°	5	5	5	5	5
50°	5	5	4	5	4
52.5°	4	4	4	4	4
55°	4	4	4	4	4
57.5°	4	4	4	4	4
60°	4	4	3	4	4
62.5°	3	3	3	3	3
65°	3	3	3	3	3
67.5°	2	2	2	2	2
70°	2	2	2	2	2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
72.5°	2	2	2	2	2
75°	1	1	1	1	1
77.5°	1	1	1	1	1
80°	1	1	1	1	1
82.5°	1	1	1	1	1
85°	0	0	0	0	0
87.5°	0	0	0	0	0
90°	0	0	0	0	0

(END OF REPORT)