

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: P380840

Luminaire Tested: **H36RTAT-3006WHBB**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P380840
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H36RTAT-3006WHBB
Description: 3" ADJ SLOT, MW BAFFLE, MW TRIM
Light Source: -
Ballast/Driver: -

Summary

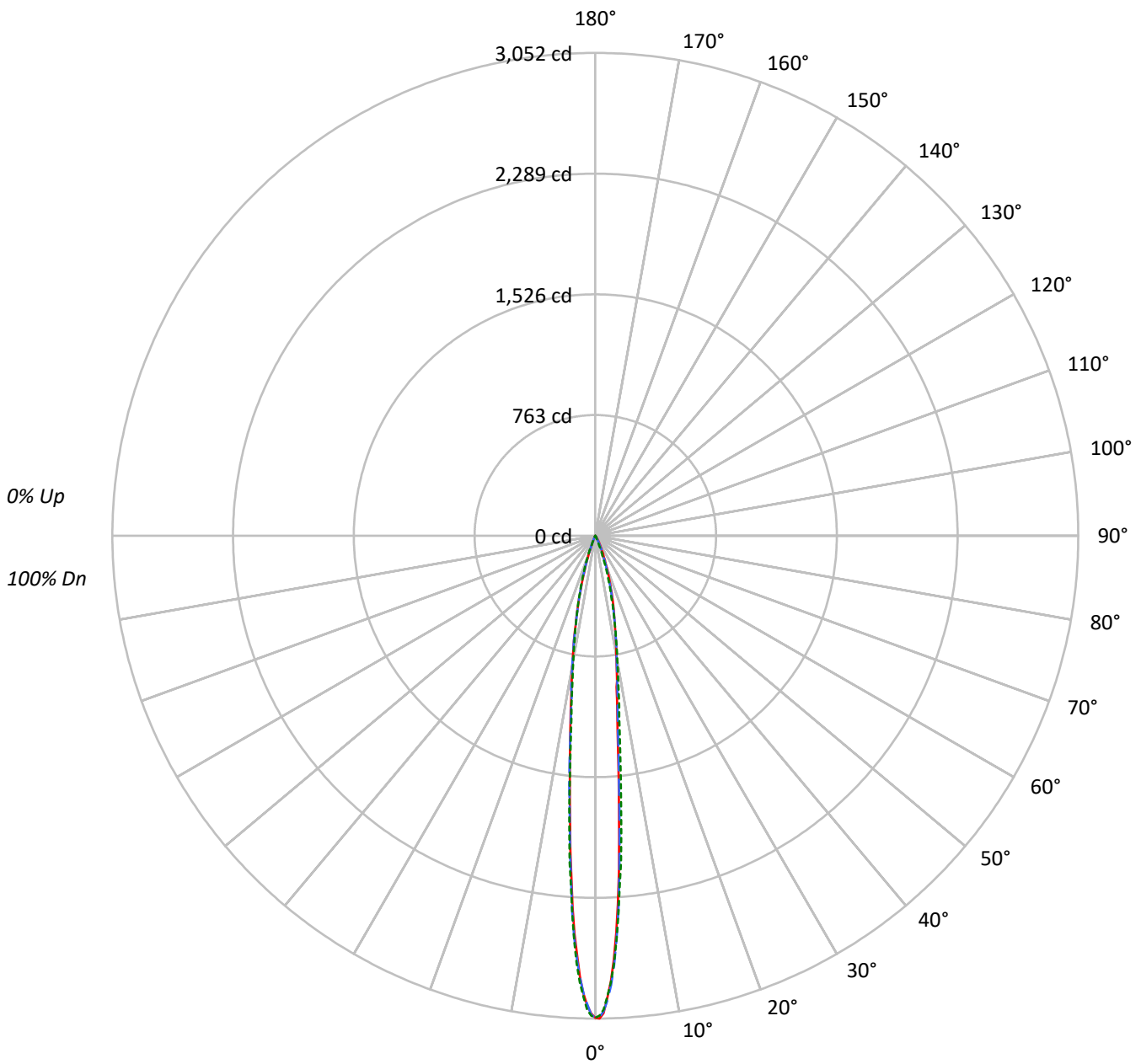
Lumens per Lamp: N/A
Luminaire Lumens: 274.3 lumens
Efficiency: N/A
Efficacy: 33.0 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.21 / 0.25
Luminous Opening: Rectangular (W 0.1' x L: 0.17' x H: 0')
CIE Type: Direct

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



— 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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98				98
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96				96
3	109	105	102	100	108	104	101	99	102	99	98	100	98	96	97	96	95	93				93
4	107	102	99	96	105	101	98	96	99	97	95	97	95	94	96	94	93	91				91
5	104	99	96	93	103	98	95	93	97	94	92	96	93	91	94	92	91	90				90
6	102	97	93	91	101	96	93	90	95	92	90	94	91	89	93	90	89	88				88
7	100	94	91	88	99	94	91	88	93	90	88	92	89	87	91	89	87	86				86
8	98	92	89	86	97	92	89	86	91	88	86	90	88	86	89	87	85	85				85
9	96	90	87	85	95	90	87	85	89	86	84	89	86	84	88	86	84	83				83
10	94	89	85	83	93	88	85	83	88	85	83	87	84	83	86	84	82	82				82

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	1889135	1889135	1889135
5°	1065492	1171916	1141420
10°	479097	504280	525685
15°	272153	243269	236208
20°	133277	88412	66639
25°	60884	11630	6157
30°	27921	3580	1432
35°	12110	2271	757
40°	4047	1619	809
45°	877	877	0
50°	0	965	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.9	50.6
10°-20°	109.3	39.8
20°-30°	22.3	8.1
30°-40°	3.3	1.2
40°-50°	0.5	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°	270.4	98.6
0°-40°	273.8	99.8
0°-60°	274.3	100.0
0°-90°	274.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	274.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3047	3047	3047	3047	3047	
5°	1712	1753	1883	1853	1834	132
15°	424	404	379	372	368	117
25°	89	68	17	10	9	45
35°	16	4	3	2	1	11
45°	1	1	1	0	0	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	112.5°	135°	157.5°	180°
0°	3047	3047	3047	3047	3047	3047	3047	3047	3047
0.5°	3052	3039	3044	3039	3034	3030	3026	3007	3020
1°	3018	3000	3007	2997	2996	2992	2958	2954	2968
1.5°	2922	2915	2935	2935	2914	2914	2887	2883	2893
2°	2821	2845	2843	2842	2825	2804	2792	2786	2784
2.5°	2683	2715	2720	2721	2705	2690	2675	2639	2654
3°	2514	2546	2561	2573	2560	2550	2542	2475	2515
3.5°	2333	2343	2376	2363	2397	2396	2396	2328	2347
4°	2129	2124	2168	2172	2214	2241	2197	2161	2173
4.5°	1914	1900	1955	1978	2070	2039	2022	1987	1999
5°	1712	1688	1753	1795	1883	1863	1853	1820	1834
5.5°	1535	1503	1565	1625	1707	1698	1695	1659	1680
6°	1381	1352	1406	1468	1547	1551	1580	1549	1541
6.5°	1248	1230	1273	1332	1395	1447	1437	1413	1420
7°	1135	1153	1165	1220	1265	1311	1308	1321	1310
7.5°	1045	1064	1075	1122	1155	1190	1199	1212	1208
8°	966	988	1016	1035	1083	1111	1101	1117	1115
8.5°	931	921	944	957	997	1025	1014	1030	1032
9°	867	863	879	889	922	968	976	954	961
9.5°	810	812	823	830	858	894	905	889	895
10°	761	755	771	776	801	829	842	831	835
12.5°	565	564	569	562	560	578	565	570	572
15°	424	414	404	384	379	376	372	370	368
17.5°	297	293	276	257	244	229	223	209	213
20°	202	197	182	160	134	118	107	102	101
22.5°	137	132	114	84	51	42	37	34	33
25°	89	85	68	37	17	12	10	8	9
27.5°	58	55	40	16	9	5	4	4	4
30°	39	35	20	9	5	3	2	2	2
32.5°	26	21	10	5	4	2	2	2	2
35°	16	12	4	3	3	2	2	1	1
37.5°	9	7	3	2	2	2	1	1	1
40°	5	3	2	2	2	2	1	1	1
42.5°	2	1	1	1	1	1	0	0	0
45°	1	1	1	0	1	1	0	0	0
47.5°	1	1	0	0	1	1	0	0	0
50°	0	0	0	0	1	0	0	0	0
52.5°	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
72.5°	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0

(END OF REPORT)