

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: P241308

Luminaire Tested: **BLD606930WH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P241308  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1802-619-2)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: BLD606930WH  
Description: 6" BLD, 600 Series, Matte White  
Light Source: (22) 3000K CCT, 93 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

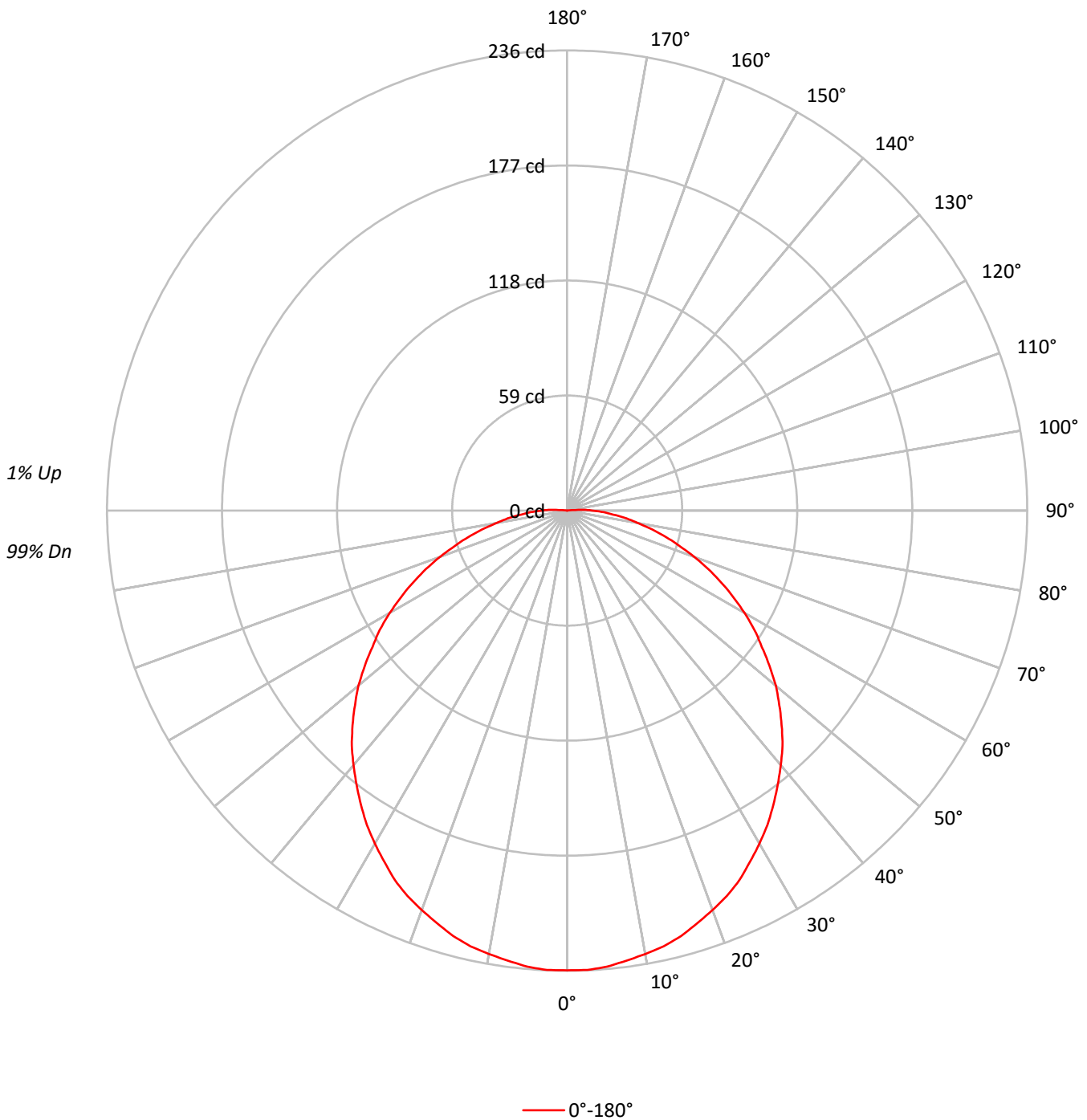
Lumens per Lamp: N/A  
Luminaire Lumens: 700.0 lumens  
Efficiency: N/A  
Efficacy: 85.4 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.37  
Luminous Opening: Vertical Cylinder (Dia: 0.42' x H: 0.04')  
CIE Type: Direct

Input Watts (W): 8.2  
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		101	101	101	99
1	108	102	98	94	105	100	96	92	96	92	89		92	89	86		88	86	83	81
2	98	89	82	76	95	87	80	75	83	78	73		80	75	71		77	73	69	67
3	89	78	69	62	86	76	68	62	73	66	61		70	64	60		67	63	58	56
4	81	69	60	53	79	67	59	52	65	57	52		62	56	51		60	55	50	48
5	75	61	52	45	72	60	52	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	46	39	52	45	39		51	44	38		49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	34		46	39	34		45	38	34	32
8	59	46	37	31	58	45	37	31	44	36	31		42	35	30		41	35	30	28
9	55	42	34	28	54	41	33	28	40	33	28		39	32	27		38	32	27	25
10	52	39	31	25	51	38	30	25	37	30	25		36	30	25		35	29	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	18614
5°	18401
10°	18102
15°	17853
20°	17502
25°	17192
30°	16744
35°	16307
40°	15865
45°	15409
50°	14896
55°	14196
60°	13582
65°	12795
70°	11867
75°	10855
80°	9688
85°	8780



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.3	3.2
10°-20°	63.7	9.1
20°-30°	96.2	13.7
30°-40°	115.4	16.5
40°-50°	120.0	17.1
50°-60°	109.4	15.6
60°-70°	86.3	12.3
70°-80°	55.6	7.9
80°-90°	26.7	3.8
90°-100°	4.5	0.6
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°	182.1	26.0
0°-40°	297.5	42.5
0°-60°	526.9	75.3
0°-90°	695.5	99.4
90°-120°	4.5	0.6
90°-150°	4.5	0.6
90°-180°	4.0	0.6
0°-180°	700.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	236	
5°	235	22
15°	226	64
25°	209	96
35°	184	115
45°	156	120
55°	122	109
65°	87	86
75°	52	56
85°	24	22
90°	13	7
95°	1	1
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	235.8
2.5°	235.8
5°	234.8
7.5°	232.8
10°	230.9
12.5°	228.9
15°	225.9
17.5°	221.9
20°	218.0
22.5°	214.0
25°	209.1
27.5°	203.1
30°	197.2
32.5°	191.2
35°	184.3
37.5°	177.4
40°	170.4
42.5°	163.5
45°	155.6
47.5°	147.6
50°	139.7
52.5°	130.8
55°	121.9
57.5°	113.9
60°	105.0
62.5°	96.1
65°	87.2
67.5°	78.3
70°	69.4
72.5°	60.4
75°	52.5
77.5°	44.6
80°	36.7
82.5°	30.7
85°	23.8
87.5°	18.8
90°	12.9
92.5°	8.9
95°	1.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)