

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: P241306

Luminaire Tested: **BLD406930WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P241306
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1802-619-1)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: BLD406930WH
Description: 4" 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: 689.9 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Vertical Cylinder (Dia: 0.29' x H: 0.04')
CIE Type: Direct

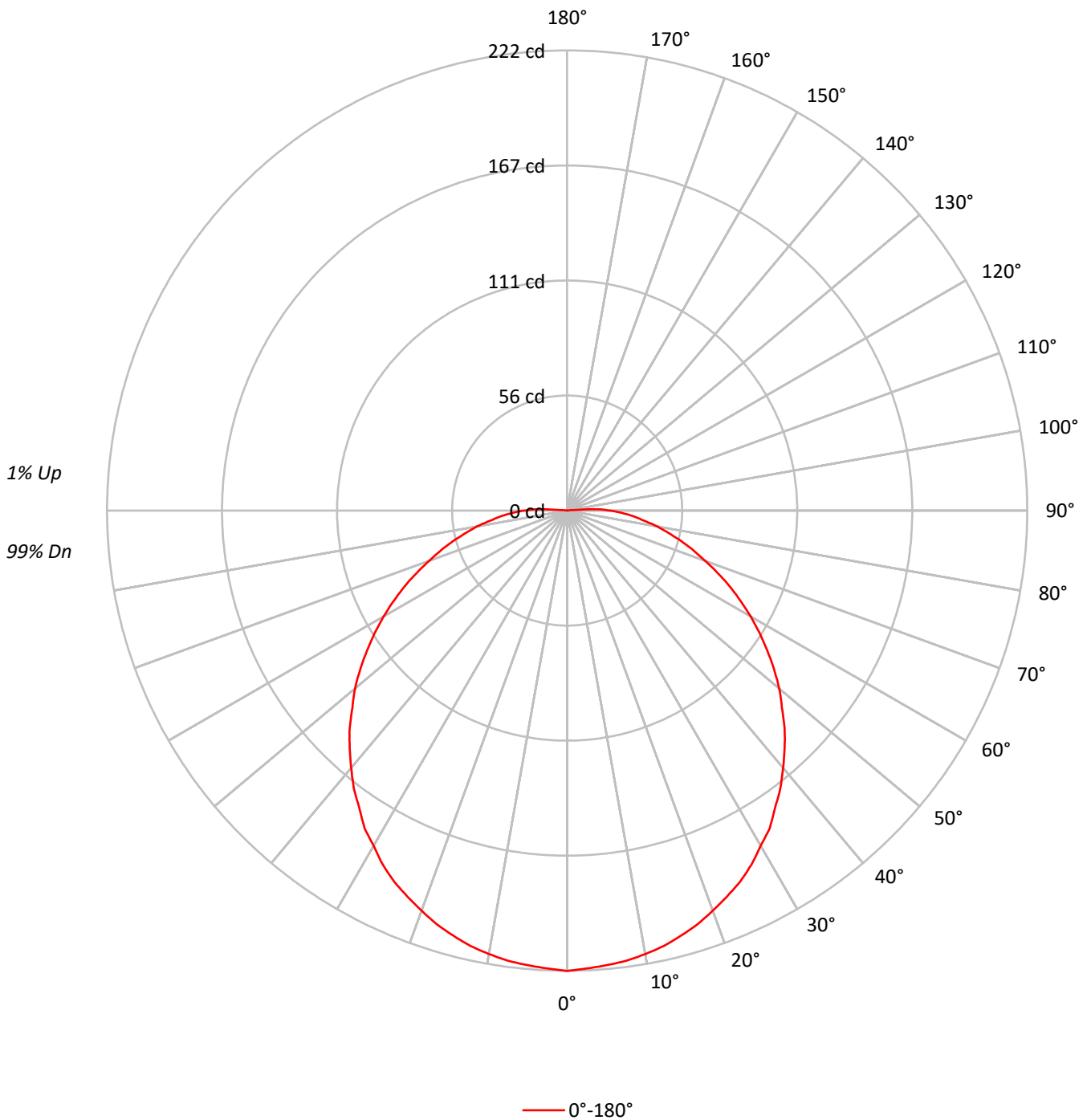
Input Watts (W): 8.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	110	110		106	106	106		101	101	101	99
1	107	101	96	92	104	99	95	90	94	91	87		90	87	84		86	84	82	79
2	97	88	80	74	94	86	79	73	82	76	71		78	73	69		75	71	67	65
3	88	77	68	61	85	75	67	60	72	65	59		69	63	58		66	61	57	54
4	80	68	58	51	78	66	58	51	63	56	50		61	54	49		59	53	48	46
5	74	60	51	44	71	59	50	44	57	49	43		55	48	42		53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	38		49	42	37		48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33		45	38	33		44	37	33	30
8	59	45	36	30	57	44	36	30	43	35	30		41	34	29		40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27		38	31	26		37	31	26	24
10	51	38	30	24	50	37	30	24	36	29	24		35	29	24		34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	35781
5°	35037
10°	34427
15°	33763
20°	33028
25°	32362
30°	31430
35°	30512
40°	29576
45°	28607
50°	27519
55°	26287
60°	25041
65°	23721
70°	22237
75°	21134
80°	20185
85°	19451



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.9	3.0
10°-20°	59.9	8.7
20°-30°	90.9	13.2
30°-40°	109.6	15.9
40°-50°	114.3	16.6
50°-60°	105.5	15.3
60°-70°	85.6	12.4
70°-80°	60.3	8.7
80°-90°	35.0	5.1
90°-100°	7.6	1.1
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°	171.8	24.9
0°-40°	281.4	40.8
0°-60°	501.3	72.7
0°-90°	682.3	98.9
90°-120°	7.6	1.1
90°-150°	7.6	1.1
90°-180°	8.0	1.2
0°-180°	689.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	222	
5°	220	21
15°	212	60
25°	198	91
35°	175	110
45°	148	114
55°	118	106
65°	86	86
75°	57	60
85°	32	29
90°	21	11
95°	3	3
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°	222.1
2.5°	221.1
5°	220.1
7.5°	219.1
10°	217.2
12.5°	215.2
15°	212.3
17.5°	209.3
20°	205.4
22.5°	201.5
25°	197.5
27.5°	192.6
30°	186.7
32.5°	181.8
35°	174.9
37.5°	169.0
40°	162.1
42.5°	155.3
45°	148.4
47.5°	140.5
50°	133.6
52.5°	125.8
55°	117.9
57.5°	110.1
60°	102.2
62.5°	94.3
65°	86.5
67.5°	78.6
70°	70.8
72.5°	63.9
75°	57.0
77.5°	50.1
80°	44.2
82.5°	37.3
85°	32.4
87.5°	26.5
90°	20.6
92.5°	14.7
95°	2.9
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)