

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: P303285

Luminaire Tested: **BLD6089BLE40AWH-3000K**

Test Date: 06/19/19

Test Information

Test Method: LM-41-14
Report Number: P303285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1906-357-2)
Test Lab: INNOVATION CENTER(G3)
Test Date: 06/19/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: BLD6089BLE40AWH-3000K
Description: 6" SMART SURFACE MOUNT DOWNLIGHT 3000K
Light Source: (84) 90 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 818.7 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.08')
CIE Type: Direct

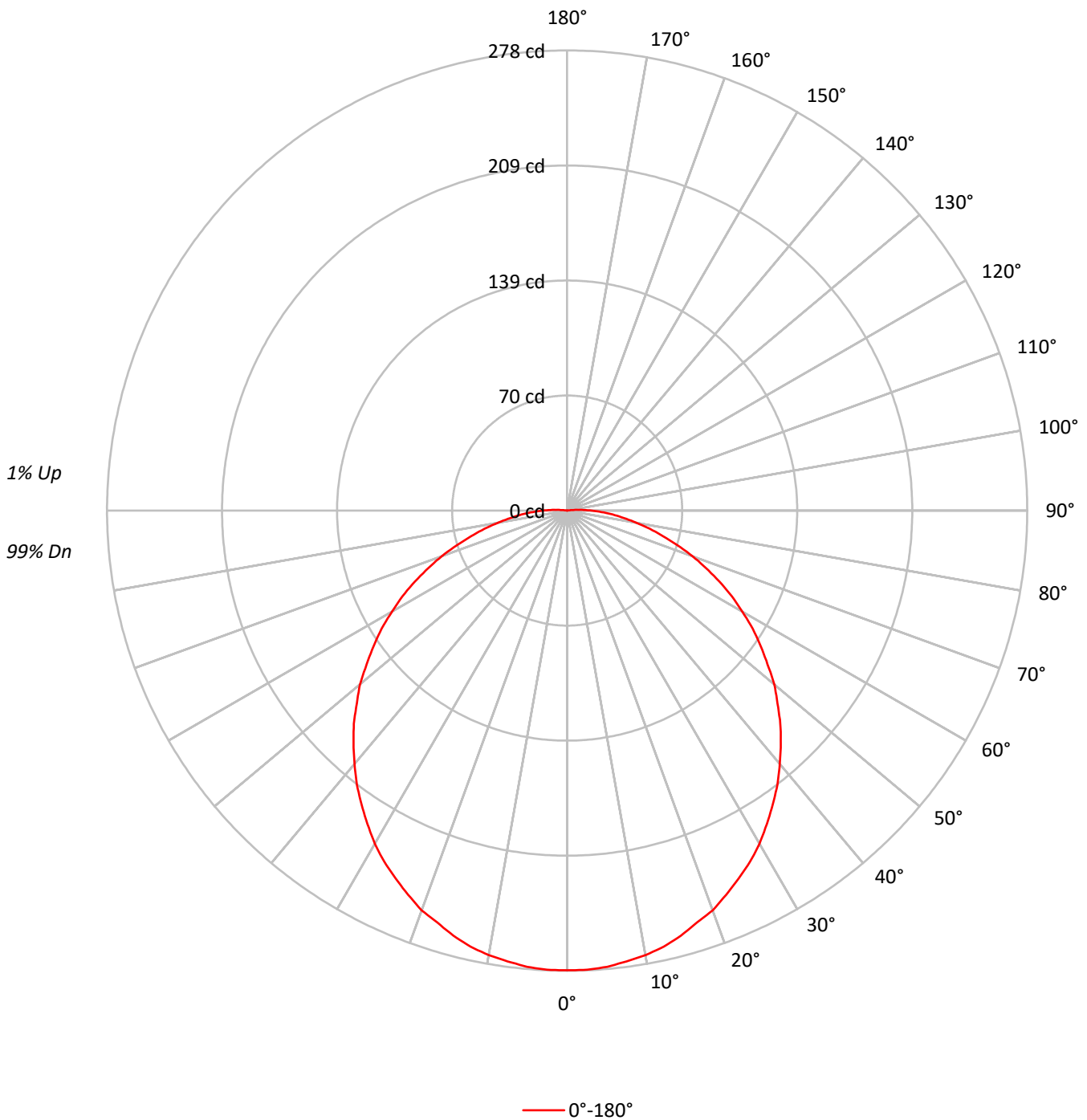
Input Watts (W): 9.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	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	63	86	76	68	62	73	66	61		70	64	60		68	63	59	56
4	81	69	60	53	79	68	59	53	65	58	52		62	56	51		60	55	50	48
5	75	62	52	46	73	60	52	45	58	50	45		56	49	44		54	48	44	41
6	69	55	46	40	67	54	46	39	52	45	39		51	44	39		49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	35		46	39	34		45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31		42	36	31		41	35	30	28
9	56	42	34	28	54	41	33	28	40	33	28		39	32	28		38	32	27	26
10	52	39	31	25	51	38	31	25	37	30	25		36	30	25		35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	18117
5°	17761
10°	17357
15°	16904
20°	16456
25°	15931
30°	15443
35°	14845
40°	14255
45°	13650
50°	12998
55°	12207
60°	11372
65°	10460
70°	9409
75°	8128
80°	6871
85°	5666



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.3	3.2
10°-20°	75.0	9.2
20°-30°	113.1	13.8
30°-40°	135.6	16.6
40°-50°	140.4	17.1
50°-60°	127.7	15.6
60°-70°	100.4	12.3
70°-80°	64.0	7.8
80°-90°	30.3	3.7
90°-100°	5.8	0.7
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°	214.4	26.2
0°-40°	350.0	42.7
0°-60°	618.1	75.5
0°-90°	812.9	99.3
90°-120°	5.8	0.7
90°-150°	5.8	0.7
90°-180°	6.0	0.7
0°-180°	818.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	278	
5°	277	26
15°	266	75
25°	245	113
35°	217	136
45°	182	140
55°	143	128
65°	101	100
75°	60	64
85°	28	25
90°	15	8
95°	4	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°	277.7
2.5°	277.7
5°	276.7
7.5°	274.7
10°	272.7
12.5°	269.8
15°	265.8
17.5°	260.9
20°	257.0
22.5°	251.1
25°	245.2
27.5°	239.3
30°	232.4
32.5°	224.5
35°	216.6
37.5°	208.7
40°	199.9
42.5°	191.0
45°	182.2
47.5°	172.3
50°	163.4
52.5°	152.6
55°	142.8
57.5°	132.9
60°	122.1
62.5°	112.2
65°	101.4
67.5°	90.6
70°	80.7
72.5°	69.9
75°	60.1
77.5°	51.2
80°	42.3
82.5°	34.5
85°	27.6
87.5°	20.7
90°	14.8
92.5°	8.9
95°	3.9
97.5°	1.0
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)