

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: P303284

Luminaire Tested: **BLD6089BLE40AWH-3500K**

Test Date: 06/19/19

Test Information

Test Method: LM-41-14
Report Number: P303284
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-3500K
Description: 6" SMART SURFACE MOUNT DOWNLIGHT 3500K
Light Source: (84) 90 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

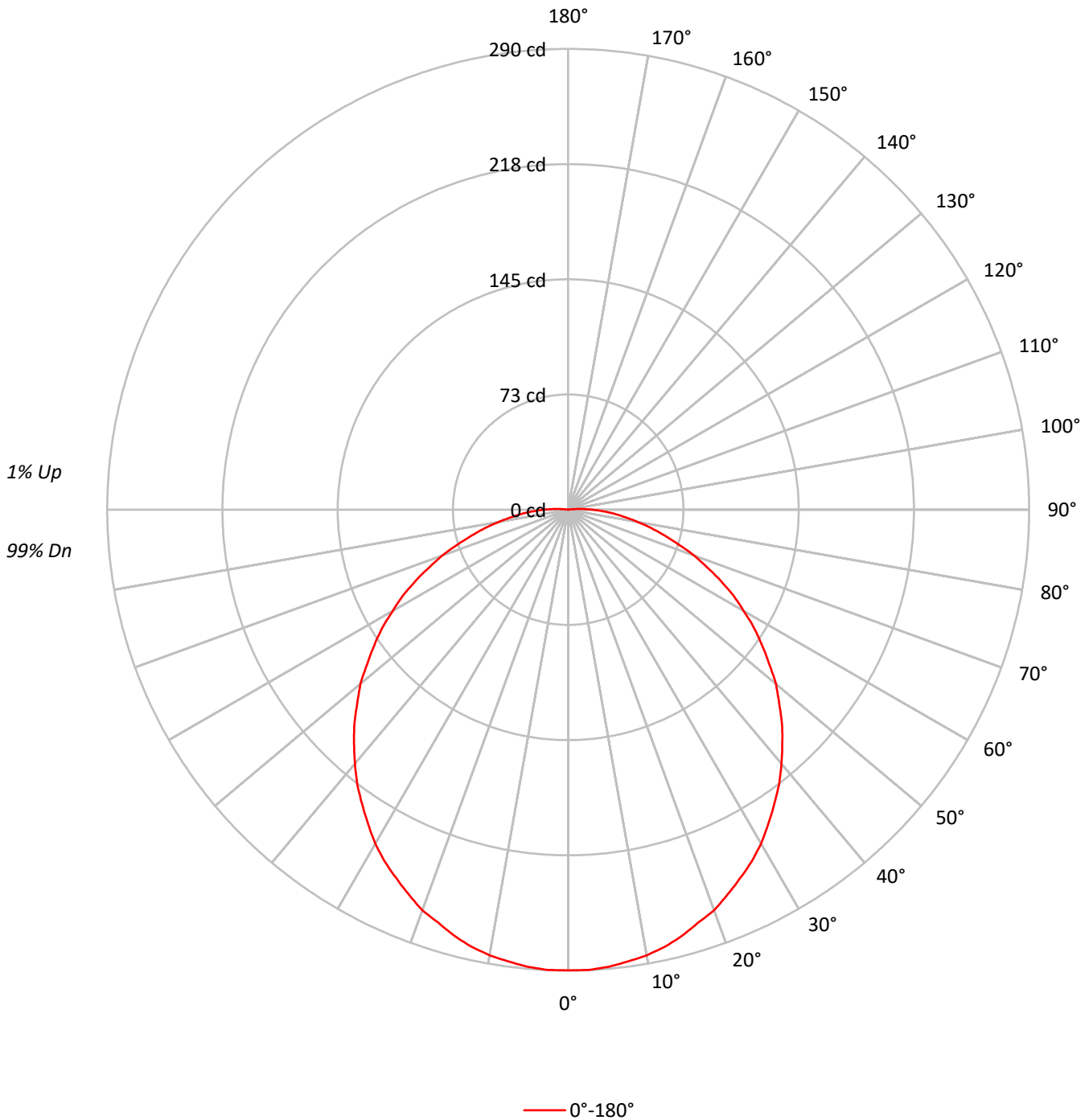
Lumens per Lamp: N/A
Luminaire Lumens: 854.7 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.08')
CIE Type: Direct

Input Watts (W): 9.2
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°	18913
5°	18538
10°	18121
15°	17648
20°	17180
25°	16626
30°	16121
35°	15496
40°	14883
45°	14250
50°	13571
55°	12737
60°	11875
65°	10925
70°	9829
75°	8479
80°	7180
85°	5913



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.4	3.2
10°-20°	78.3	9.2
20°-30°	118.1	13.8
30°-40°	141.6	16.6
40°-50°	146.6	17.1
50°-60°	133.3	15.6
60°-70°	104.8	12.3
70°-80°	66.9	7.8
80°-90°	31.7	3.7
90°-100°	6.0	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°	223.8	26.2
0°-40°	365.3	42.7
0°-60°	645.3	75.5
0°-90°	848.6	99.3
90°-120°	6.0	0.7
90°-150°	6.0	0.7
90°-180°	6.0	0.7
0°-180°	854.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	290	
5°	289	27
15°	278	78
25°	256	118
35°	226	142
45°	190	147
55°	149	133
65°	106	105
75°	63	67
85°	29	27
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°	289.9
2.5°	289.9
5°	288.8
7.5°	286.8
10°	284.7
12.5°	281.6
15°	277.5
17.5°	272.4
20°	268.3
22.5°	262.1
25°	255.9
27.5°	249.8
30°	242.6
32.5°	234.4
35°	226.1
37.5°	217.9
40°	208.7
42.5°	199.4
45°	190.2
47.5°	179.9
50°	170.6
52.5°	159.3
55°	149.0
57.5°	138.8
60°	127.5
62.5°	117.2
65°	105.9
67.5°	94.6
70°	84.3
72.5°	73.0
75°	62.7
77.5°	53.5
80°	44.2
82.5°	36.0
85°	28.8
87.5°	21.6
90°	15.4
92.5°	9.3
95°	4.1
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)