

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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 COMMERCIAL

Report Number: P584269

Luminaire Tested: **HCC8W30D010BZ-HM82555835-81MDC**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584269
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W30D010BZ-HM82555835-81MDC
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

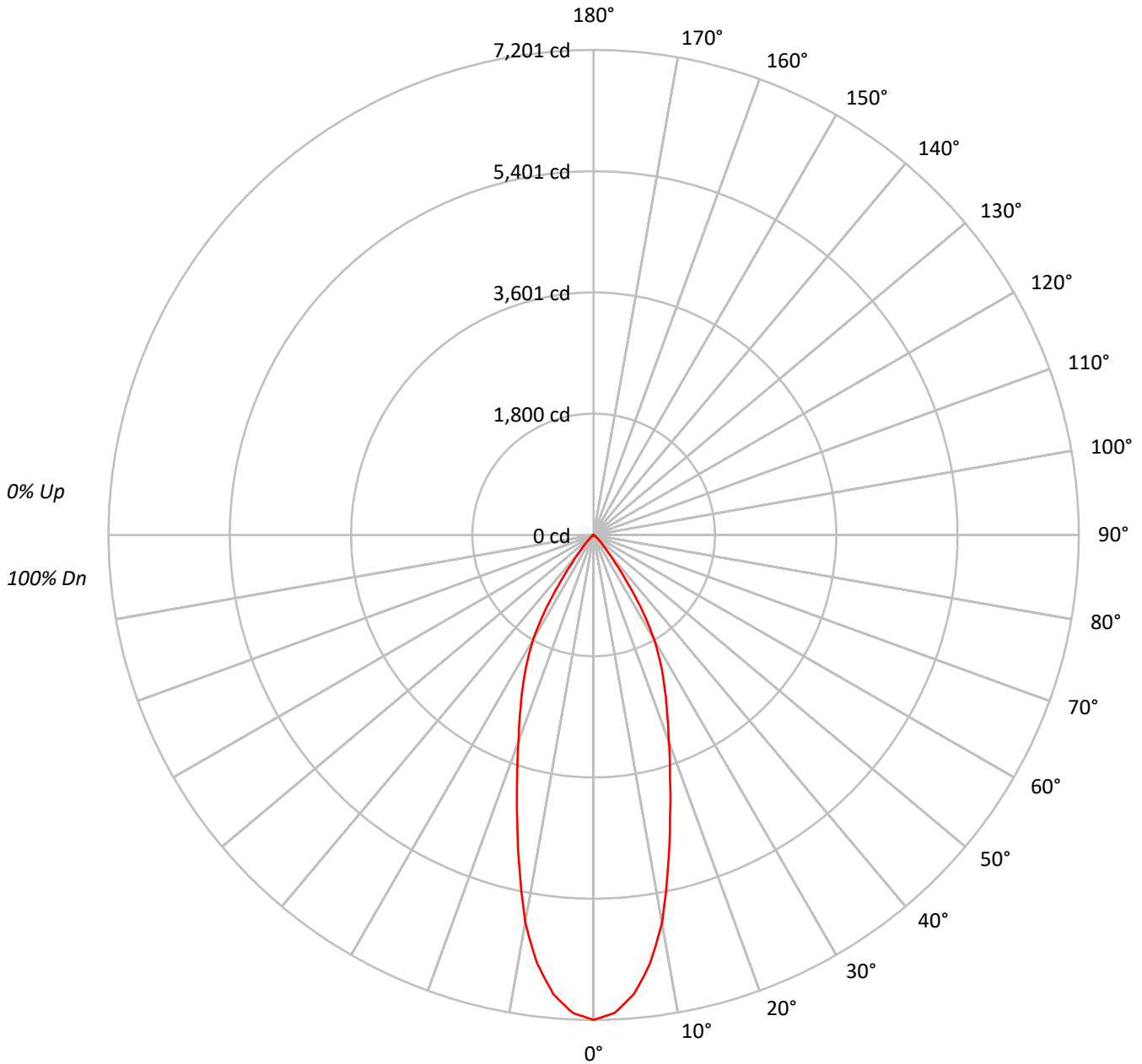
Lumens per Lamp: N/A
Luminaire Lumens: 3716.6 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.67
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): 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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95				
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89				
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	87	85	84				
4	100	93	88	84	98	92	87	83	90	86	82	88	84	82	86	83	81	79				
5	95	88	82	78	94	87	82	78	85	81	77	83	80	77	82	79	76	75				
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	71				
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67				
8	84	75	70	66	82	74	69	66	73	69	65	72	68	65	71	68	65	64				
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	61				
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	62	59	58				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	222062
5°	211872
10°	182922
15°	139875
20°	107024
25°	84672
30°	63960
35°	34027
40°	12962
45°	6219
50°	2648
55°	1113
60°	426
65°	336
70°	207
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	621.3	16.7
10°-20°	1223.2	32.9
20°-30°	1139.2	30.7
30°-40°	587.8	15.8
40°-50°	119.7	3.2
50°-60°	20.5	0.6
60°-70°	4.0	0.1
70°-80°	0.9	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°	2983.7	80.3
0°-40°	3571.5	96.1
0°-60°	3711.7	99.9
0°-90°	3716.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3716.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7201	
5°	6845	621
15°	4382	1223
25°	2489	1139
35°	904	588
45°	143	120
55°	21	20
65°	5	4
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7201.3
2.5°	7104.6
5°	6844.7
7.5°	6416.9
10°	5841.9
12.5°	5087.6
15°	4381.5
17.5°	3769.7
20°	3261.4
22.5°	2847.4
25°	2488.6
27.5°	2148.2
30°	1796.3
32.5°	1377.7
35°	903.9
37.5°	524.3
40°	322.0
42.5°	211.6
45°	142.6
47.5°	89.7
50°	55.2
52.5°	32.2
55°	20.7
57.5°	9.2
60°	6.9
62.5°	4.6
65°	4.6
67.5°	2.3
70°	2.3
72.5°	2.3
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)