

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: P582734

Luminaire Tested: **HCC6W50D010BZ-HM64560830-61WDWB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582734  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W50D010BZ-HM64560830-61WDWB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

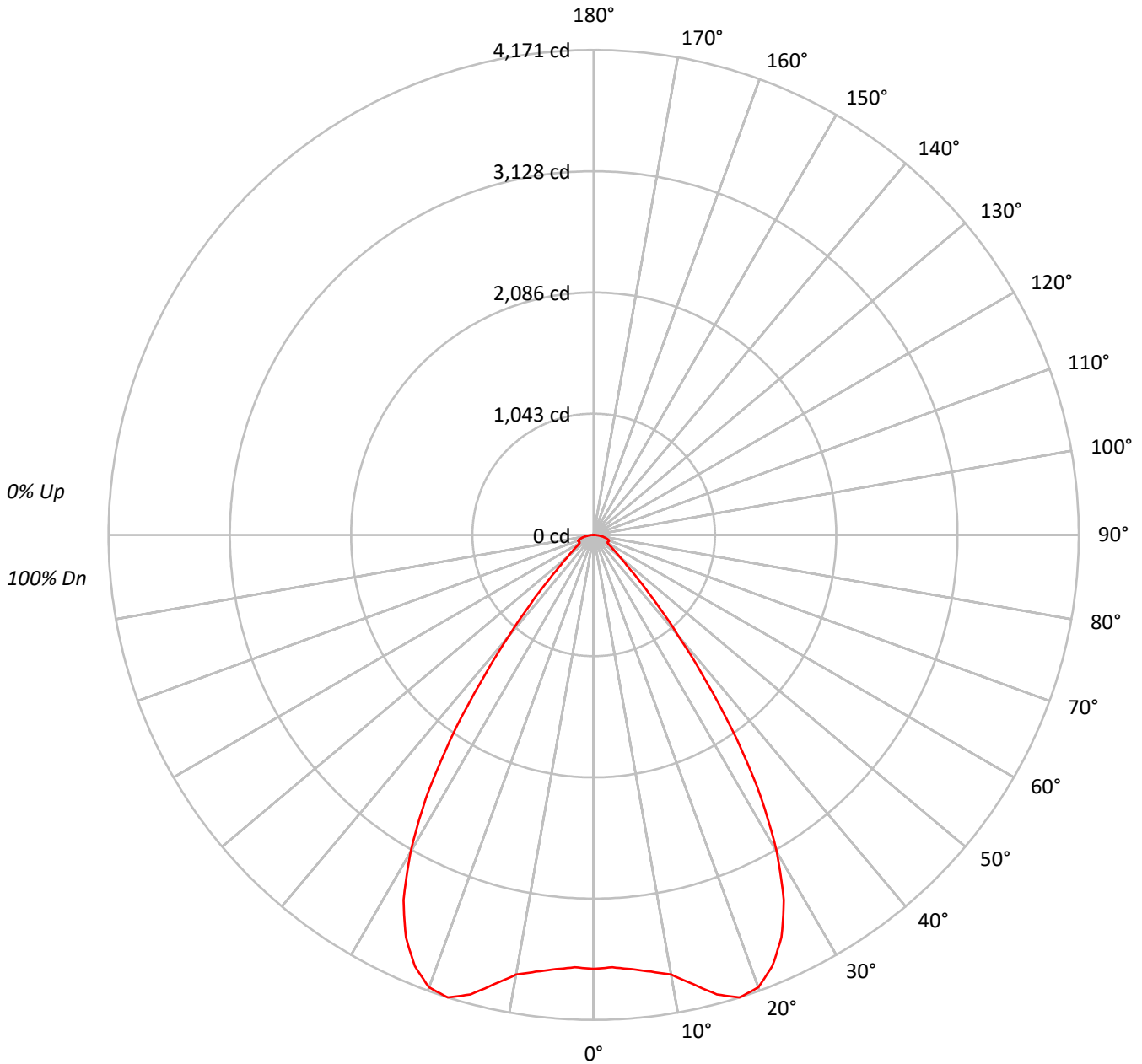
Lumens per Lamp: N/A  
Luminaire Lumens: 5485.2 lumens  
Efficiency: N/A  
Efficacy: 114.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 48  
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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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	360.8	6.6
10°-20°	1153.9	21.0
20°-30°	1724.7	31.4
30°-40°	1318.4	24.0
40°-50°	460.5	8.4
50°-60°	175.5	3.2
60°-70°	137.7	2.5
70°-80°	116.4	2.1
80°-90°	37.4	0.7
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°	3239.3	59.1
0°-40°	4557.7	83.1
0°-60°	5193.7	94.7
0°-90°	5485.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5485.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3732	
5°	3749	361
15°	4091	1154
25°	3819	1725
35°	2145	1318
45°	540	460
55°	188	175
65°	136	138
75°	112	116
85°	35	37
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3731.8
2.5°	3721.4
5°	3749.3
7.5°	3787.7
10°	3840.0
12.5°	3958.6
15°	4091.1
17.5°	4171.3
20°	4140.0
22.5°	4014.3
25°	3819.1
27.5°	3540.0
30°	3149.5
32.5°	2682.1
35°	2144.9
37.5°	1590.5
40°	1130.0
42.5°	791.7
45°	540.5
47.5°	380.2
50°	293.0
52.5°	230.2
55°	188.4
57.5°	153.4
60°	139.5
62.5°	136.1
65°	136.1
67.5°	143.0
70°	139.5
72.5°	129.1
75°	111.6
77.5°	94.1
80°	73.2
82.5°	52.3
85°	34.8
87.5°	13.9
90°	0.0

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Scaled Data Report



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— 0°-180°

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(END OF REPORT)