

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: P584201

Luminaire Tested: **HCC8W25D010SL-HM82555935-81MDC**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P584201  
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: HCC8W25D010SL-HM82555935-81MDC  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

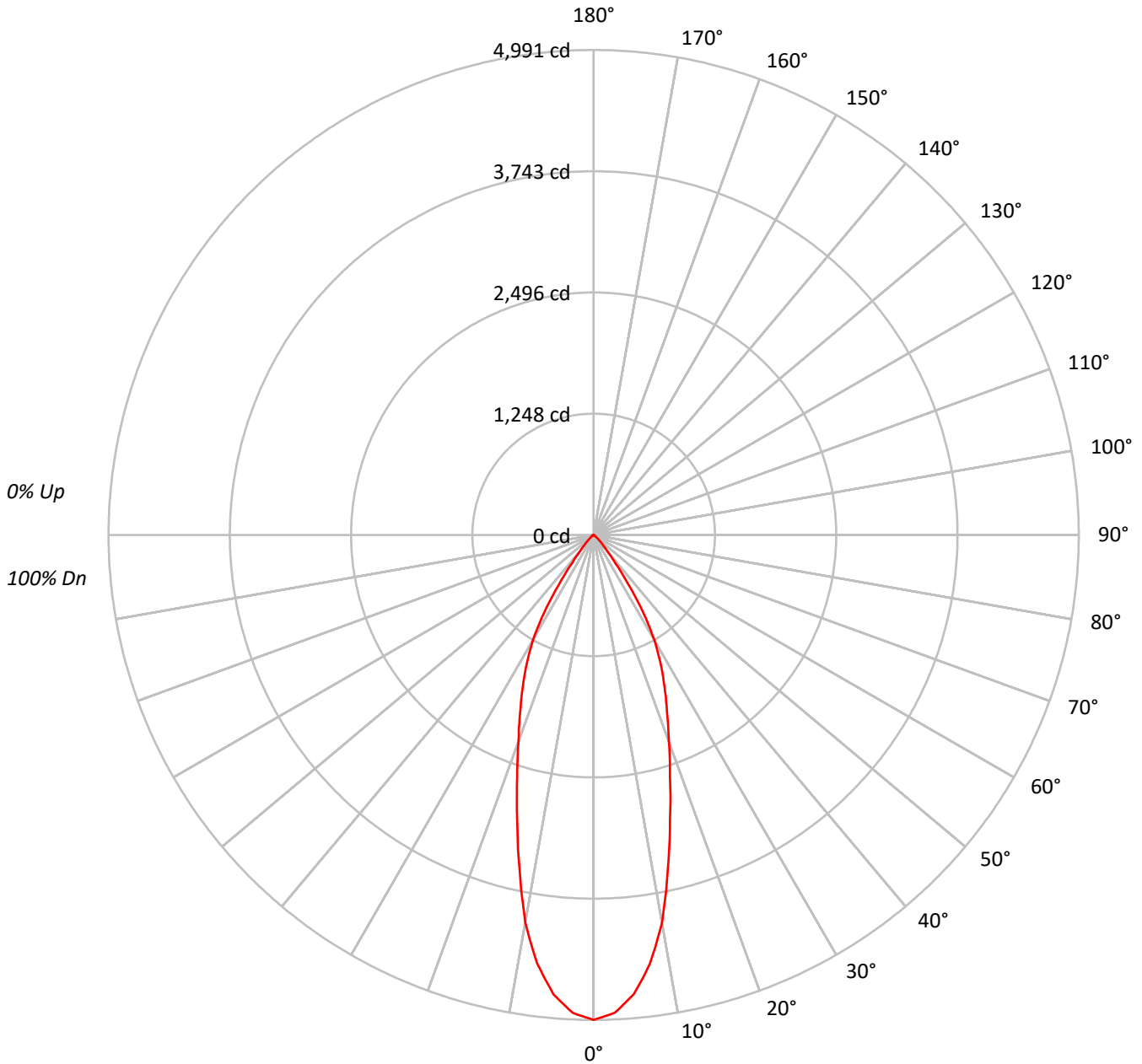
Lumens per Lamp: N/A  
Luminaire Lumens: 2576.0 lumens  
Efficiency: N/A  
Efficacy: 96.1 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.67  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 26.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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									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	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	73	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°	153907
5°	146849
10°	126782
15°	96947
20°	74179
25°	58685
30°	44327
35°	23584
40°	8985
45°	4313
50°	1837
55°	769
60°	296
65°	233
70°	144
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	430.6	16.7
10°-20°	847.8	32.9
20°-30°	789.6	30.7
30°-40°	407.4	15.8
40°-50°	83.0	3.2
50°-60°	14.2	0.6
60°-70°	2.8	0.1
70°-80°	0.6	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°	2068.0	80.3
0°-40°	2475.4	96.1
0°-60°	2572.6	99.9
0°-90°	2576.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2576.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4991	
5°	4744	431
15°	3037	848
25°	1725	790
35°	626	407
45°	99	83
55°	14	14
65°	3	3
75°	0	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4991.1
2.5°	4924.1
5°	4744.1
7.5°	4447.6
10°	4049.0
12.5°	3526.2
15°	3036.8
17.5°	2612.7
20°	2260.5
22.5°	1973.5
25°	1724.8
27.5°	1488.9
30°	1244.9
32.5°	954.9
35°	626.5
37.5°	363.5
40°	223.2
42.5°	146.7
45°	98.9
47.5°	62.2
50°	38.3
52.5°	22.4
55°	14.3
57.5°	6.4
60°	4.8
62.5°	3.2
65°	3.2
67.5°	1.6
70°	1.6
72.5°	1.6
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)