

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: P584185

Luminaire Tested: **HCC8S25D010MB-HM82555930-81MDH**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P584185  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-5)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 10/21/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC8S25D010MB-HM82555930-81MDH  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

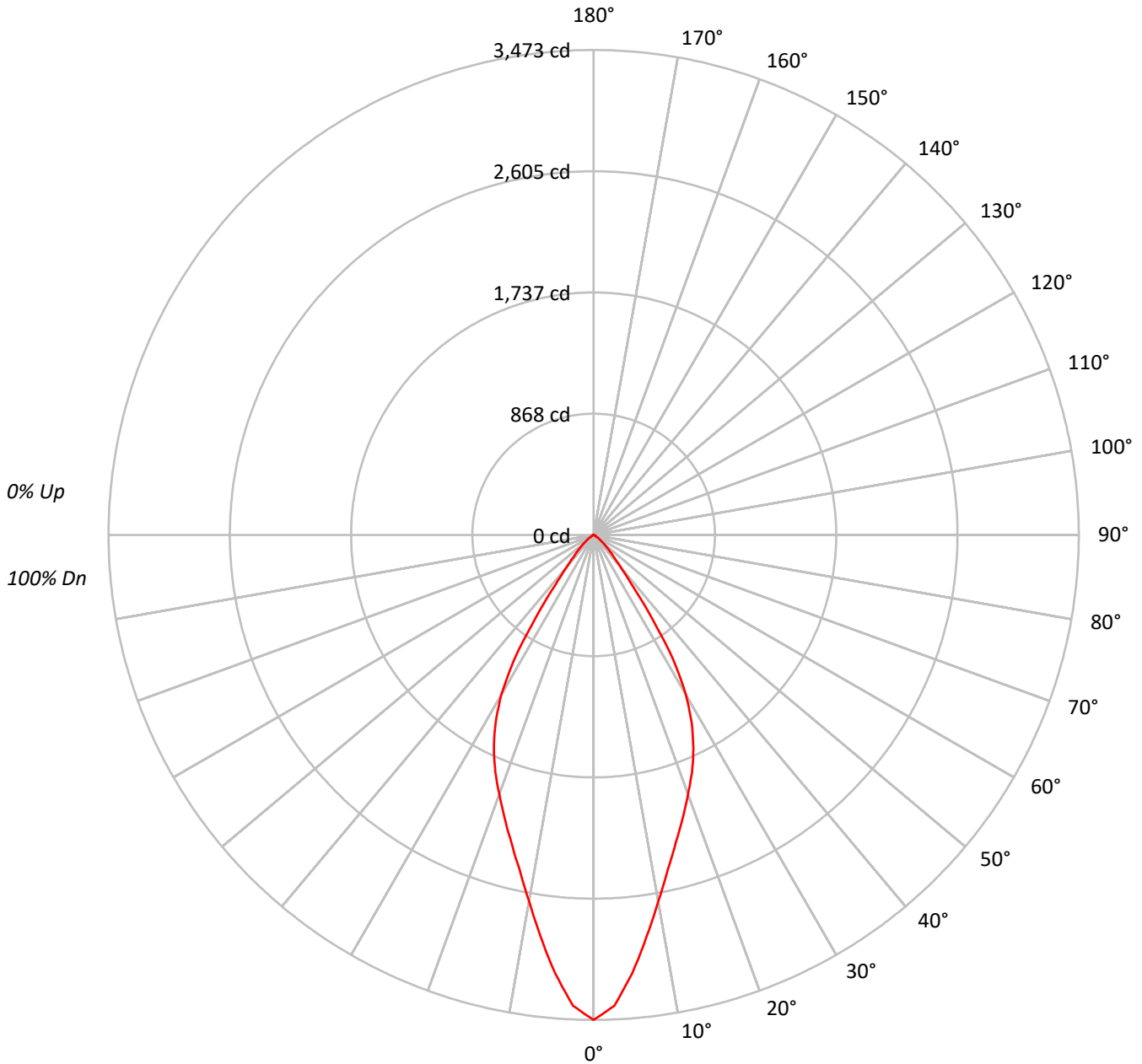
Lumens per Lamp: N/A  
Luminaire Lumens: 2341.8 lumens  
Efficiency: N/A  
Efficacy: 87.4 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.81  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

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				
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	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94			
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87			
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81			
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76			
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71			
6	88	79	73	69	87	78	73	69	77	72	68	76	71	68	74	70	67	66			
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62			
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	60	58			
9	76	67	61	57	75	66	61	57	65	60	56	64	60	56	63	59	56	55			
10	73	63	57	54	72	63	57	53	62	57	53	61	56	53	60	56	53	52			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	107095
5°	97592
10°	83384
15°	72717
20°	64810
25°	57491
30°	47072
35°	27032
40°	11996
45°	6982
50°	4030
55°	2301
60°	1277
65°	810
70°	568
75°	381
80°	284
85°	566



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	285.4	12.2
10°-20°	640.3	27.3
20°-30°	766.4	32.7
30°-40°	463.7	19.8
40°-50°	129.9	5.5
50°-60°	40.4	1.7
60°-70°	11.5	0.5
70°-80°	3.1	0.1
80°-90°	1.1	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°	1692.1	72.3
0°-40°	2155.7	92.1
0°-60°	2326.0	99.3
0°-90°	2341.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2341.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3473	
5°	3153	285
15°	2278	640
25°	1690	766
35°	718	464
45°	160	130
55°	43	40
65°	11	12
75°	3	3
85°	2	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3473.0
2.5°	3374.7
5°	3152.8
7.5°	2902.4
10°	2663.0
12.5°	2453.7
15°	2277.8
17.5°	2122.5
20°	1975.0
22.5°	1838.7
25°	1689.7
27.5°	1521.8
30°	1322.0
32.5°	1063.6
35°	718.1
37.5°	447.0
40°	298.0
42.5°	214.0
45°	160.1
47.5°	117.3
50°	84.0
52.5°	58.6
55°	42.8
57.5°	28.6
60°	20.7
62.5°	14.2
65°	11.1
67.5°	7.9
70°	6.3
72.5°	3.2
75°	3.2
77.5°	1.6
80°	1.6
82.5°	1.6
85°	1.6
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)