

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: P584186

Luminaire Tested: **HCC8W25D010MB-HM82555930-81MDW**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P584186  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 10/21/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC8W25D010MB-HM82555930-81MDW  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

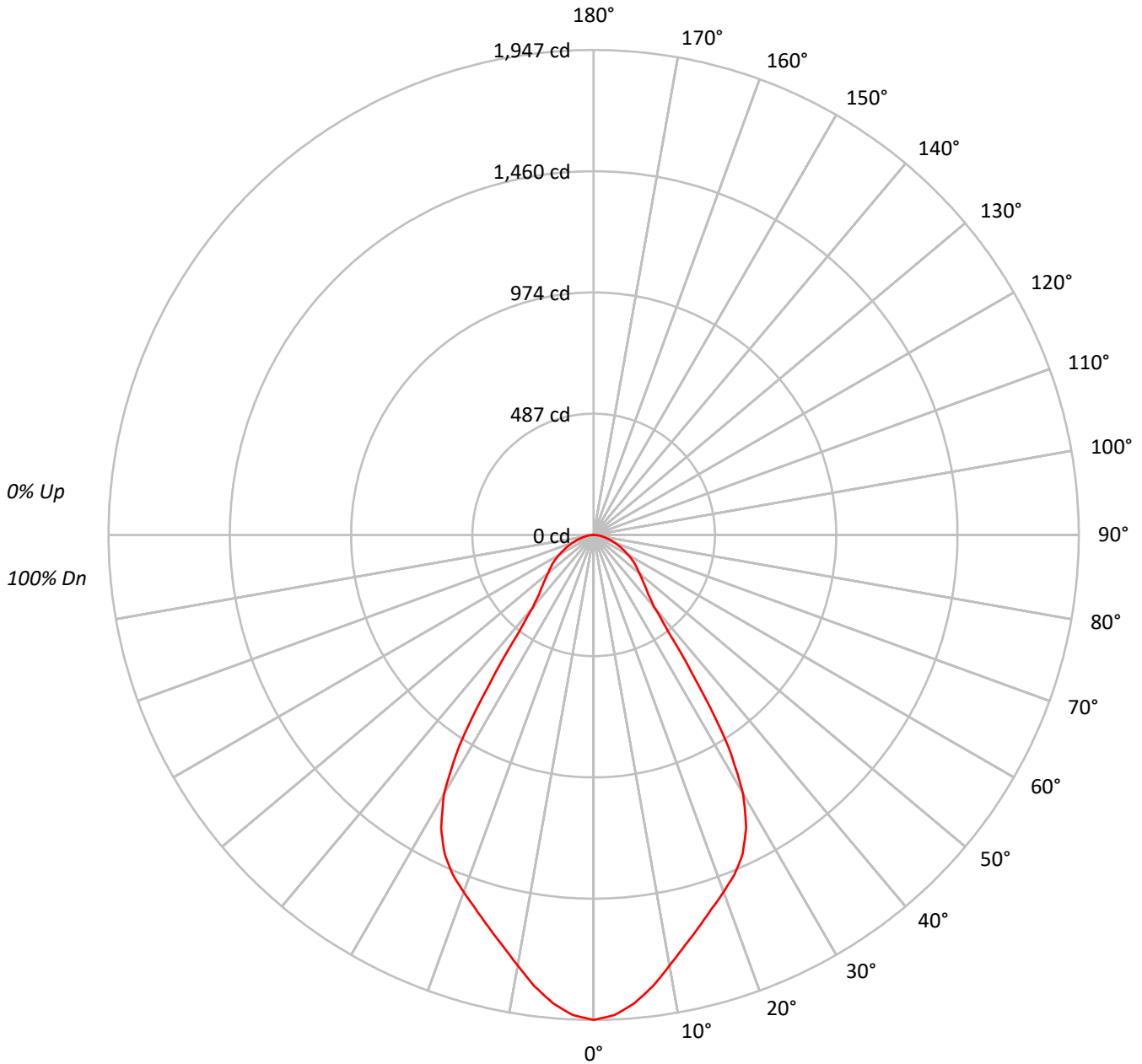
Lumens per Lamp: N/A  
Luminaire Lumens: 2348.1 lumens  
Efficiency: N/A  
Efficacy: 87.6 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.95  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

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



TEST NUMBER: P584186  
CATALOG NUMBER: HCC8W25D010MB-HM82555930-81MDW

### Luminous Intensity Polar Plot





TEST NUMBER: P584186  
 CATALOG NUMBER: HCC8W25D010MB-HM82555930-81MDW

**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	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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90																												
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80																												
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72																												
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65																												
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59																												
6	81	70	63	58	79	69	62	57	67	61	57	66	61	56	64	60	56	54																												
7	76	65	58	53	74	64	57	53	63	57	52	62	56	52	60	55	52	50																												
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46																												
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43																												
10	64	53	46	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40																												

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

	0°
0°	60041
5°	58404
10°	54959
15°	52033
20°	50053
25°	48120
30°	42739
35°	27217
40°	15192
45°	12725
50°	11489
55°	10828
60°	9880
65°	8909
70°	7862
75°	6982
80°	6198
85°	5590



TEST NUMBER: P584186  
 CATALOG NUMBER: HCC8W25D010MB-HM82555930-81MDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.9	7.5
10°-20°	459.7	19.6
20°-30°	641.3	27.3
30°-40°	461.5	19.7
40°-50°	228.7	9.7
50°-60°	178.9	7.6
60°-70°	121.1	5.2
70°-80°	62.9	2.7
80°-90°	18.1	0.8
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°	1276.9	54.4
0°-40°	1738.3	74.0
0°-60°	2146.0	91.4
0°-90°	2348.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2348.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1947	
5°	1887	176
15°	1630	460
25°	1414	641
35°	723	461
45°	292	229
55°	201	179
65°	122	121
75°	59	63
85°	16	18
90°	0	



TEST NUMBER: P584186  
CATALOG NUMBER: HCC8W25D010MB-HM82555930-81MDW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1947.1
2.5°	1929.6
5°	1886.8
7.5°	1826.6
10°	1755.2
12.5°	1688.7
15°	1629.9
17.5°	1574.5
20°	1525.3
22.5°	1476.2
25°	1414.3
27.5°	1325.5
30°	1200.3
32.5°	1003.7
35°	723.0
37.5°	493.2
40°	377.4
42.5°	325.1
45°	291.8
47.5°	263.2
50°	239.5
52.5°	218.8
55°	201.4
57.5°	180.7
60°	160.2
62.5°	139.5
65°	122.1
67.5°	104.6
70°	87.2
72.5°	73.0
75°	58.6
77.5°	46.0
80°	34.9
82.5°	25.4
85°	15.8
87.5°	7.9
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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

Scaled Data Report





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

Scaled Data Report



— 0°-180°

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report



(END OF REPORT)