

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: P593863

Luminaire Tested: **HCC8W60D010MW-HM86080850-81WDC**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593863  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 10/21/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC8W60D010MW-HM86080850-81WDC  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

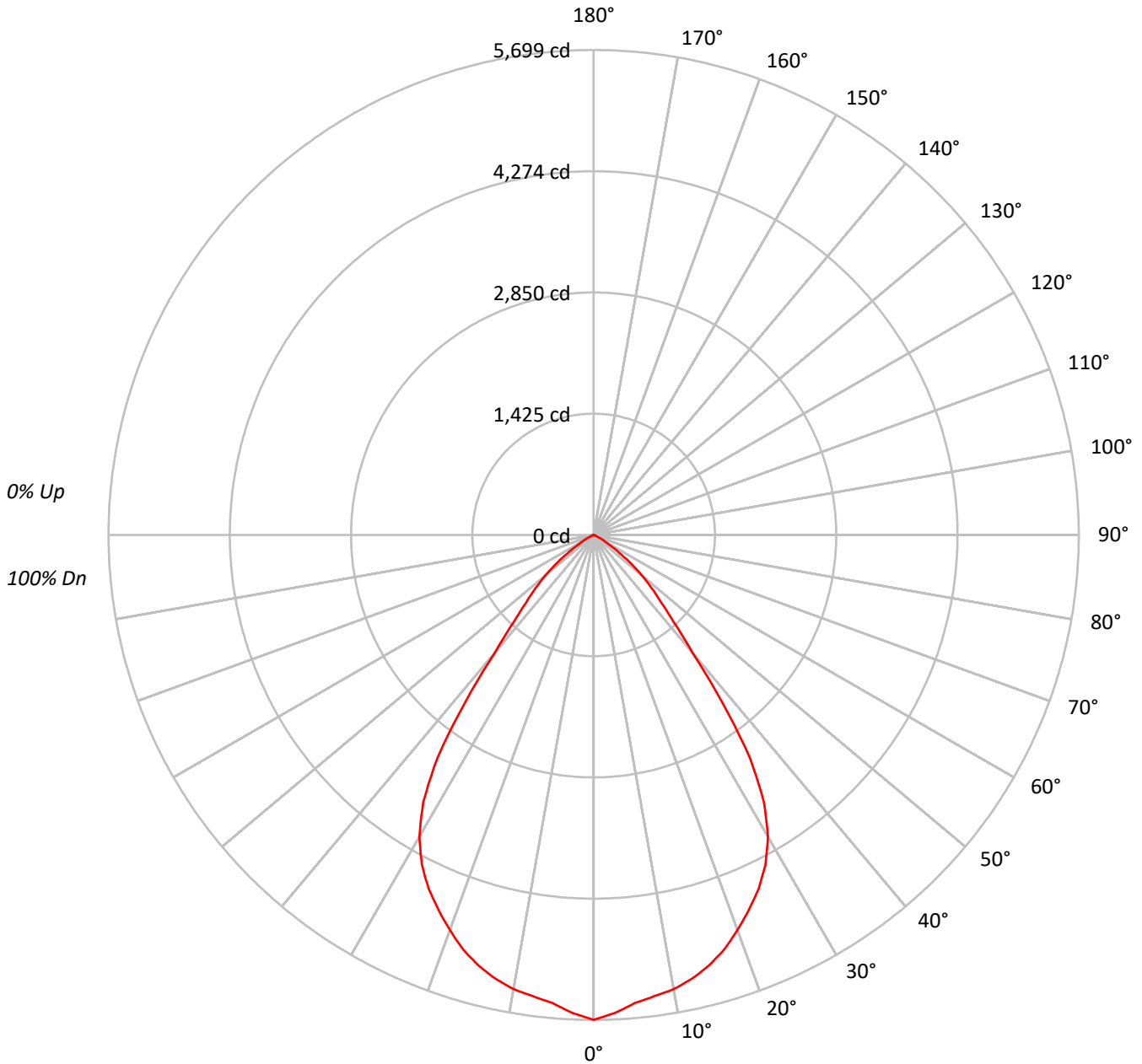
Lumens per Lamp: N/A  
Luminaire Lumens: 7324.3 lumens  
Efficiency: N/A  
Efficacy: 130.8 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.05  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 56  
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: P593863  
CATALOG NUMBER: HCC8W60D010MW-HM86080850-81WDC

### Luminous Intensity Polar Plot





TEST NUMBER: P593863  
 CATALOG NUMBER: HCC8W60D010MW-HM86080850-81WDC

**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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92																																				
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84																																				
3	100	93	87	83	98	91	86	82	89	84	81	86	83	79	84	81	78	77																																				
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	71	70																																				
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64																																				
6	83	73	66	62	82	72	66	61	71	65	61	69	64	61	68	64	60	59																																				
7	78	68	61	57	77	67	61	56	66	60	56	65	60	56	63	59	55	54																																				
8	74	63	57	52	73	63	56	52	62	56	52	60	55	51	59	55	51	50																																				
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46																																				
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43																																				

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

	0°
0°	175727
5°	170997
10°	169699
15°	167174
20°	162108
25°	156062
30°	145777
35°	120638
40°	72840
45°	49056
50°	35351
55°	20161
60°	8869
65°	3181
70°	1172
75°	524
80°	0
85°	0



TEST NUMBER: P593863  
 CATALOG NUMBER: HCC8W60D010MW-HM86080850-81WDC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	524.8	7.2
10°-20°	1471.6	20.1
20°-30°	2099.3	28.7
30°-40°	1911.7	26.1
40°-50°	901.8	12.3
50°-60°	354.6	4.8
60°-70°	56.5	0.8
70°-80°	4.0	0.1
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°	4095.8	55.9
0°-40°	6007.4	82.0
0°-60°	7263.8	99.2
0°-90°	7324.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7324.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5699	
5°	5524	525
15°	5237	1472
25°	4587	2099
35°	3205	1912
45°	1125	902
55°	375	355
65°	44	56
75°	4	4
85°	0	0
90°	0	



TEST NUMBER: P593863

CATALOG NUMBER: HCC8W60D010MW-HM86080850-81WDC

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5698.7
2.5°	5624.6
5°	5524.2
7.5°	5467.6
10°	5419.6
12.5°	5341.2
15°	5236.6
17.5°	5105.6
20°	4940.0
22.5°	4765.6
25°	4586.8
27.5°	4368.8
30°	4094.1
32.5°	3723.5
35°	3204.7
37.5°	2476.6
40°	1809.5
42.5°	1390.9
45°	1124.9
47.5°	924.3
50°	736.9
52.5°	553.7
55°	375.0
57.5°	235.4
60°	143.8
62.5°	87.2
65°	43.6
67.5°	21.8
70°	13.0
72.5°	4.4
75°	4.4
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)