

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: P584138

Luminaire Tested: **HCC8W25D010MB-HM82555835-81NDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584138
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W25D010MB-HM82555835-81NDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

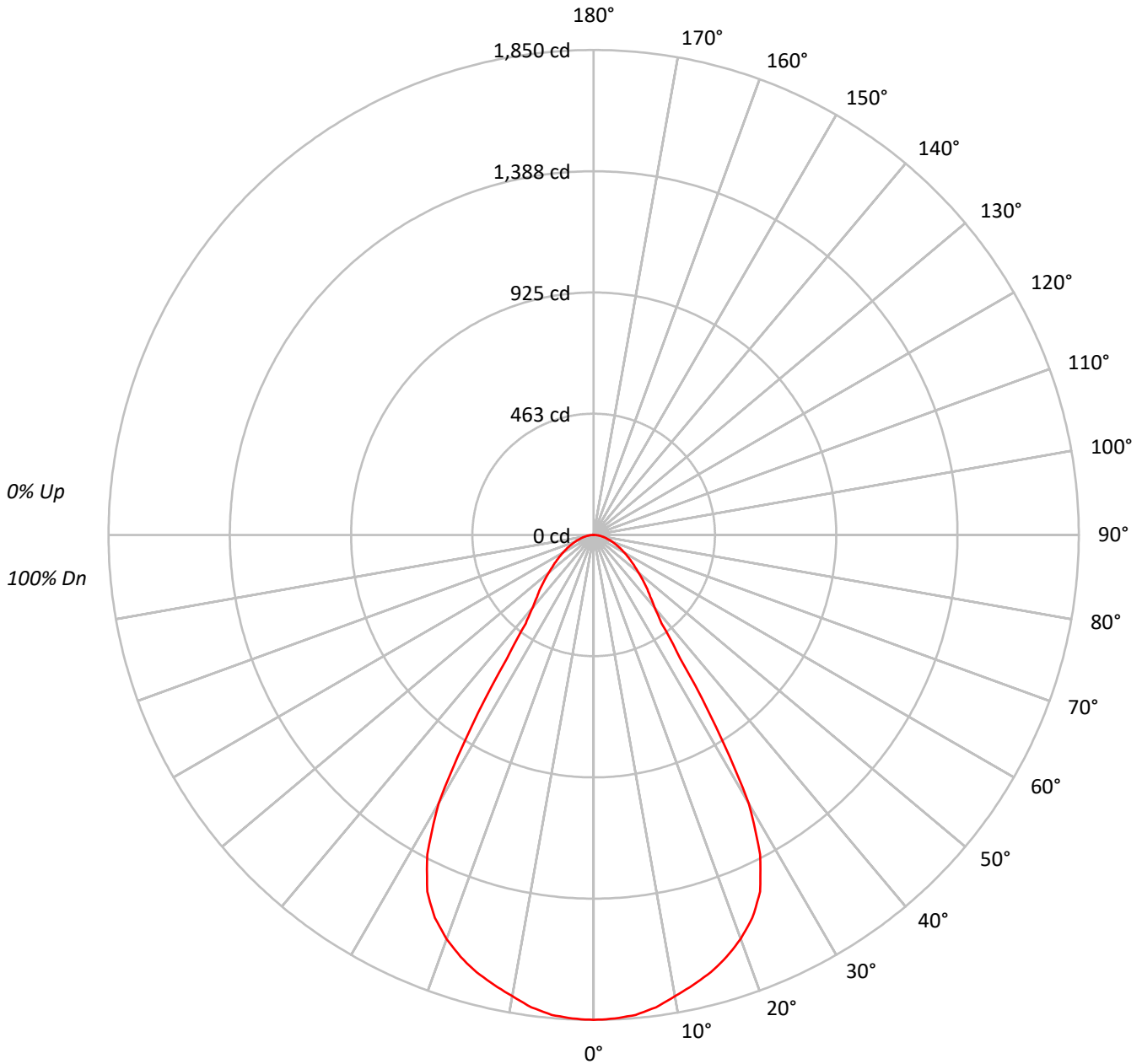
Lumens per Lamp: N/A
Luminaire Lumens: 2288.8 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.92
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (A_{in}): 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: P584138
CATALOG NUMBER: HCC8W25D010MB-HM82555835-81NDW

Luminous Intensity Polar Plot





TEST NUMBER: P584138

CATALOG NUMBER: HCC8W25D010MB-HM82555835-81NDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90																			
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	81																			
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73																			
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	72	68	67																			
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61																			
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56																			
7	77	66	59	54	76	66	59	54	64	58	54	63	58	54	62	57	53	52																			
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48																			
9	69	58	51	47	68	57	51	47	56	51	46	55	50	46	55	50	46	45																			
10	65	55	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57047
5°	56894
10°	55948
15°	55133
20°	53811
25°	51077
30°	42130
35°	21691
40°	14524
45°	12455
50°	10746
55°	9376
60°	8326
65°	7486
70°	6780
75°	6112
80°	5469
85°	5449



TEST NUMBER: P584138
 CATALOG NUMBER: HCC8W25D010MB-HM82555835-81NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.8	7.6
10°-20°	485.9	21.2
20°-30°	673.2	29.4
30°-40°	404.4	17.7
40°-50°	221.4	9.7
50°-60°	157.3	6.9
60°-70°	102.1	4.5
70°-80°	54.6	2.4
80°-90°	16.3	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°	1332.9	58.2
0°-40°	1737.2	75.9
0°-60°	2115.9	92.4
0°-90°	2288.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2288.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1850	
5°	1838	174
15°	1727	486
25°	1501	673
35°	576	404
45°	286	221
55°	174	157
65°	103	102
75°	51	55
85°	15	16
90°	0	



TEST NUMBER: P584138
CATALOG NUMBER: HCC8W25D010MB-HM82555835-81NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1850.0
2.5°	1846.6
5°	1838.0
7.5°	1817.6
10°	1786.8
12.5°	1757.7
15°	1727.0
17.5°	1687.6
20°	1639.8
22.5°	1581.6
25°	1501.2
27.5°	1374.7
30°	1183.2
32.5°	866.9
35°	576.2
37.5°	425.8
40°	360.8
42.5°	319.7
45°	285.6
47.5°	253.1
50°	224.0
52.5°	196.7
55°	174.4
57.5°	153.9
60°	135.0
62.5°	118.0
65°	102.6
67.5°	87.2
70°	75.2
72.5°	61.5
75°	51.3
77.5°	41.1
80°	30.8
82.5°	22.3
85°	15.4
87.5°	6.8
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)