

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: P584764

Luminaire Tested: **HCC8W45D010MB-HM82555940-81MDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584764
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: HCC8W45D010MB-HM82555940-81MDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5204.0 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.95
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

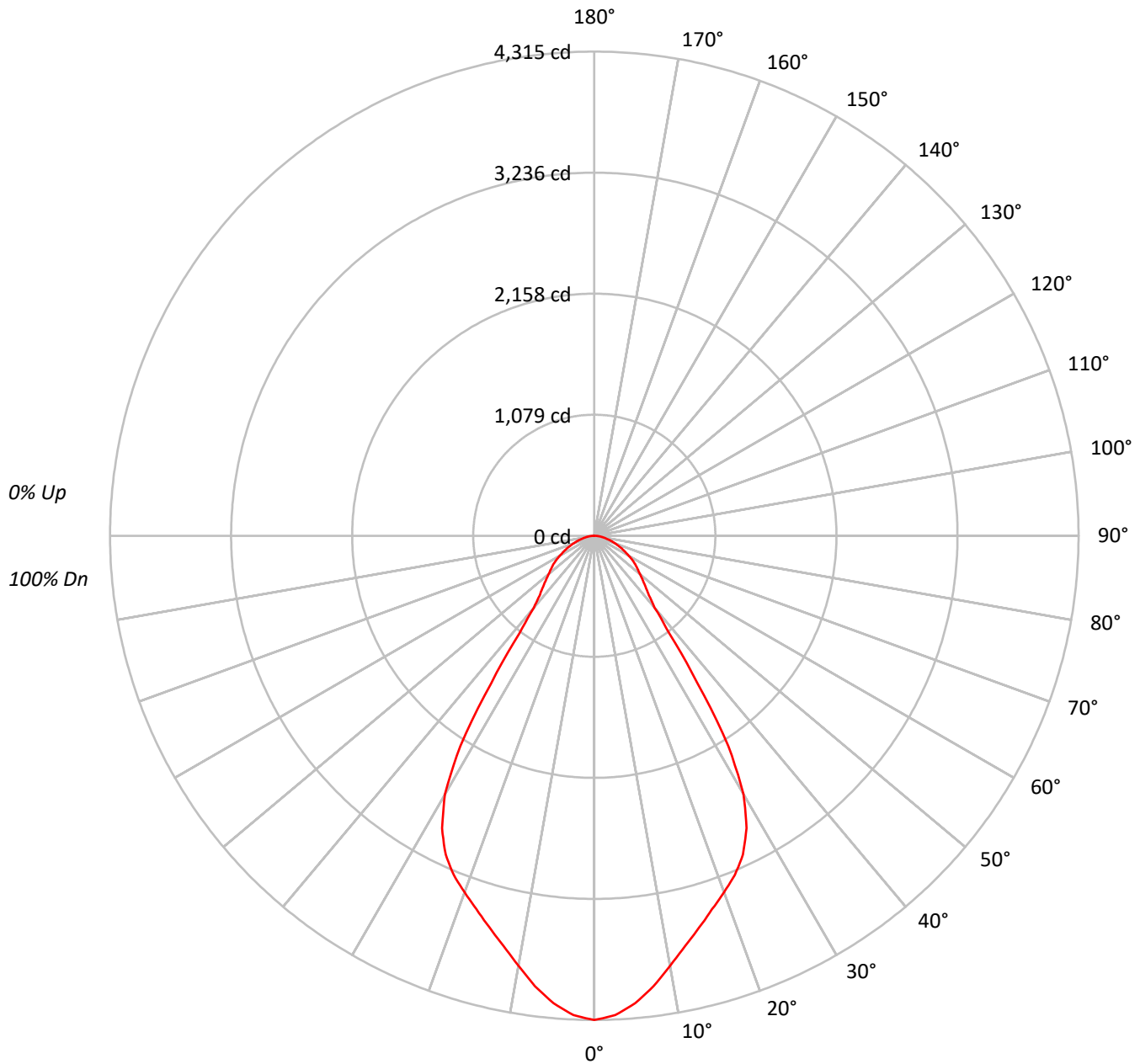
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P584764

CATALOG NUMBER: HCC8W45D010MB-HM82555940-81MDW

Luminous Intensity Polar Plot



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



COOPER
Lighting Solutions

CATALOG NUMBER: HCC8W45D010MB-HM8255940-81MDW

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					100				
1	112	108	105	102		109	106	103	100		102	99	97		98	96	94		94	93	92		90					90				
2	104	98	93	89		102	96	92	88		93	89	86		90	87	84		87	84	82		80					80				
3	98	89	83	78		95	88	82	78		85	80	76		83	78	75		80	77	74		72					72				
4	91	82	75	70		89	81	74	69		78	73	69		76	72	68		74	70	67		65					65				
5	86	76	68	63		84	75	68	63		73	67	62		71	66	62		69	65	61		59					59				
6	81	70	63	58		79	69	62	57		67	61	57		66	61	56		64	60	56		54					54				
7	76	65	58	53		74	64	57	53		63	57	52		62	56	52		60	55	52		50					50				
8	72	61	54	49		70	60	53	49		59	53	48		58	52	48		57	52	48		46					46				
9	68	57	50	45		67	56	50	45		55	49	45		54	49	45		53	48	45		43					43				
10	64	53	46	42		63	53	46	42		52	46	42		51	46	42		50	45	42		40					40				

	0°
0°	133068
5°	129441
10°	121807
15°	115326
20°	110935
25°	106652
30°	94717
35°	60321
40°	33664
45°	28198
50°	25459
55°	23994
60°	21888
65°	19744
70°	17428
75°	15489
80°	13727
85°	12454



TEST NUMBER: P584764

CATALOG NUMBER: HCC8W45D010MB-HM82555940-81MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.8	7.5
10°-20°	1018.8	19.6
20°-30°	1421.3	27.3
30°-40°	1022.7	19.7
40°-50°	506.8	9.7
50°-60°	396.5	7.6
60°-70°	268.4	5.2
70°-80°	139.4	2.7
80°-90°	40.2	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°	2830.0	54.4
0°-40°	3852.7	74.0
0°-60°	4756.0	91.4
0°-90°	5204.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5204.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4315	
5°	4182	390
15°	3612	1019
25°	3135	1421
35°	1602	1023
45°	647	507
55°	446	397
65°	271	268
75°	130	139
85°	35	40
90°	0	



TEST NUMBER: P584764

CATALOG NUMBER: HCC8W45D010MB-HM82555940-81MDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	4315.3
2.5°	4276.6
5°	4181.7
7.5°	4048.3
10°	3890.1
12.5°	3742.6
15°	3612.5
17.5°	3489.6
20°	3380.6
22.5°	3271.6
25°	3134.6
27.5°	2937.8
30°	2660.1
32.5°	2224.5
35°	1602.4
37.5°	1092.9
40°	836.3
42.5°	720.3
45°	646.6
47.5°	583.3
50°	530.7
52.5°	484.9
55°	446.3
57.5°	400.6
60°	354.9
62.5°	309.2
65°	270.6
67.5°	231.9
70°	193.3
72.5°	161.6
75°	130.0
77.5°	101.9
80°	77.3
82.5°	56.2
85°	35.2
87.5°	17.6
90°	0.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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)