

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: P579839

Luminaire Tested: **HCC4W15D010BZ-HM40525827-41PSMDW**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P579839
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4W15D010BZ-HM40525827-41PSMDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

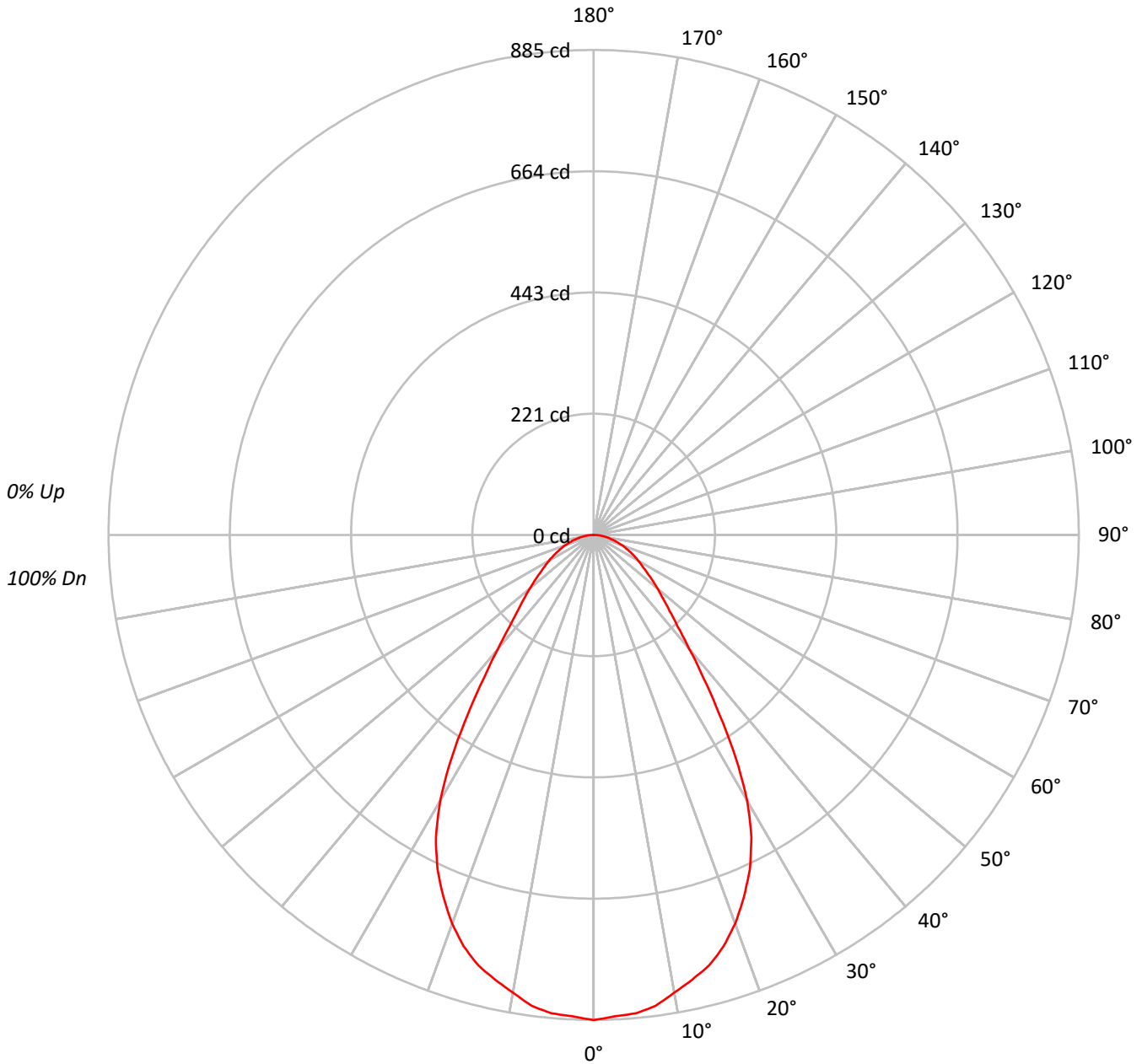
Lumens per Lamp: N/A
Luminaire Lumens: 1257.4 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 0.99
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 14
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: P579839
CATALOG NUMBER: HCC4W15D010BZ-HM40525827-41PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P579839
 CATALOG NUMBER: HCC4W15D010BZ-HM40525827-41PSMDW

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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89																			
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78																			
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70																			
4	90	80	73	68	88	79	72	67	77	71	66	74	69	65	72	68	65	63																			
5	84	74	66	61	82	72	66	60	71	64	60	69	63	59	67	62	59	57																			
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52																			
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47																			
8	70	58	51	46	68	58	51	46	56	50	46	55	50	45	54	49	45	44																			
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40																			
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	109210
5°	108525
10°	106223
15°	103869
20°	99063
25°	91702
30°	79774
35°	60231
40°	43668
45°	34120
50°	29168
55°	25225
60°	23263
65°	21277
70°	19871
75°	18205
80°	17048
85°	16417



TEST NUMBER: P579839
 CATALOG NUMBER: HCC4W15D010BZ-HM40525827-41PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.8	6.6
10°-20°	227.8	18.1
20°-30°	306.4	24.4
30°-40°	251.9	20.0
40°-50°	154.7	12.3
50°-60°	107.1	8.5
60°-70°	73.0	5.8
70°-80°	40.7	3.2
80°-90°	13.0	1.0
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°	617.0	49.1
0°-40°	868.9	69.1
0°-60°	1130.7	89.9
0°-90°	1257.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1257.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	885	
5°	876	83
15°	813	228
25°	674	306
35°	400	252
45°	196	155
55°	117	107
65°	73	73
75°	38	41
85°	12	13
90°	0	



TEST NUMBER: P579839

CATALOG NUMBER: HCC4W15D010BZ-HM40525827-41PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	885.4
2.5°	879.2
5°	876.5
7.5°	866.7
10°	848.1
12.5°	831.1
15°	813.4
17.5°	787.6
20°	754.7
22.5°	715.6
25°	673.8
27.5°	623.2
30°	560.1
32.5°	482.7
35°	400.0
37.5°	328.9
40°	271.2
42.5°	226.7
45°	195.6
47.5°	171.6
50°	152.0
52.5°	134.3
55°	117.3
57.5°	104.9
60°	94.3
62.5°	83.6
65°	72.9
67.5°	64.0
70°	55.1
72.5°	46.3
75°	38.2
77.5°	30.2
80°	24.0
82.5°	17.7
85°	11.6
87.5°	6.3
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)