

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: P580472

Luminaire Tested: **HCC4W35D010BZ-HM43040927-41WDWB**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P580472
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4W35D010BZ-HM43040927-41WDWB
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

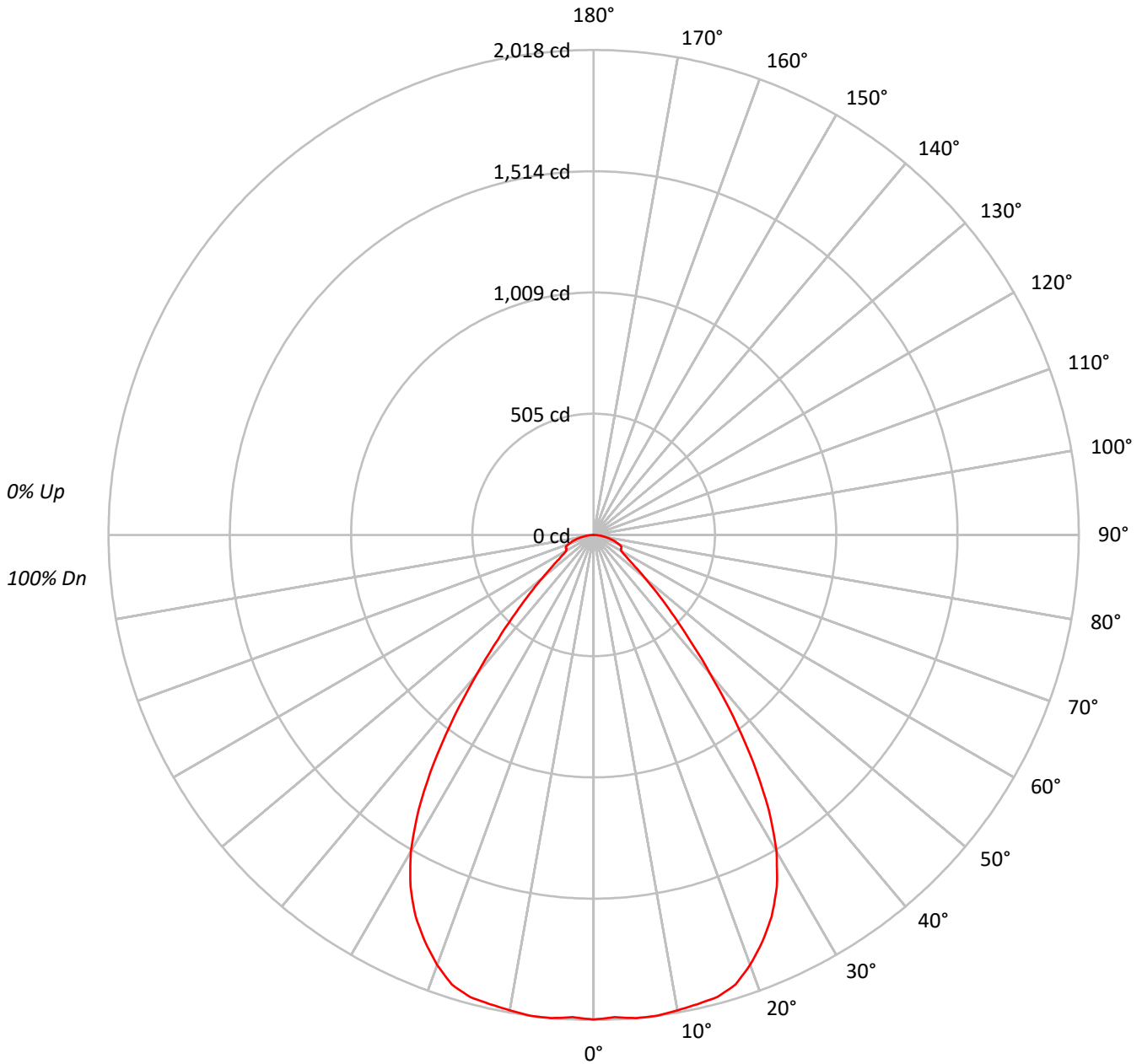
Lumens per Lamp: N/A
Luminaire Lumens: 3029.7 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.07
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
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: P580472
CATALOG NUMBER: HCC4W35D010BZ-HM43040927-41WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P580472
 CATALOG NUMBER: HCC4W35D010BZ-HM43040927-41WDWB

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
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	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49		
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46		
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42		
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	248726
5°	249912
10°	251612
15°	254142
20°	249896
25°	238414
30°	216603
35°	174715
40°	121229
45°	79578
50°	53327
55°	37956
60°	32415
65°	37271
70°	39959
75°	38459
80°	34664
85°	31843



TEST NUMBER: P580472
 CATALOG NUMBER: HCC4W35D010BZ-HM43040927-41WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.4	6.3
10°-20°	559.1	18.5
20°-30°	798.8	26.4
30°-40°	713.6	23.6
40°-50°	366.0	12.1
50°-60°	166.4	5.5
60°-70°	124.1	4.1
70°-80°	84.4	2.8
80°-90°	25.0	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°	1550.2	51.2
0°-40°	2263.8	74.7
0°-60°	2796.2	92.3
0°-90°	3029.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3029.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2016	
5°	2018	192
15°	1990	559
25°	1752	799
35°	1160	714
45°	456	366
55°	176	166
65°	128	124
75°	81	84
85°	22	25
90°	0	



TEST NUMBER: P580472
CATALOG NUMBER: HCC4W35D010BZ-HM43040927-41WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	2016.5
2.5°	2008.9
5°	2018.4
7.5°	2018.4
10°	2008.9
12.5°	1999.6
15°	1990.2
17.5°	1961.9
20°	1903.8
22.5°	1832.5
25°	1751.8
27.5°	1650.4
30°	1520.8
32.5°	1355.5
35°	1160.3
37.5°	951.9
40°	752.9
42.5°	587.6
45°	456.2
47.5°	356.8
50°	277.9
52.5°	217.8
55°	176.5
57.5°	148.4
60°	131.4
62.5°	127.7
65°	127.7
67.5°	123.9
70°	110.8
72.5°	95.8
75°	80.7
77.5°	63.8
80°	48.8
82.5°	35.6
85°	22.5
87.5°	9.4
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)