

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: P580480

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

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P580480
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4W35D010BZ-HM43040927-41MDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

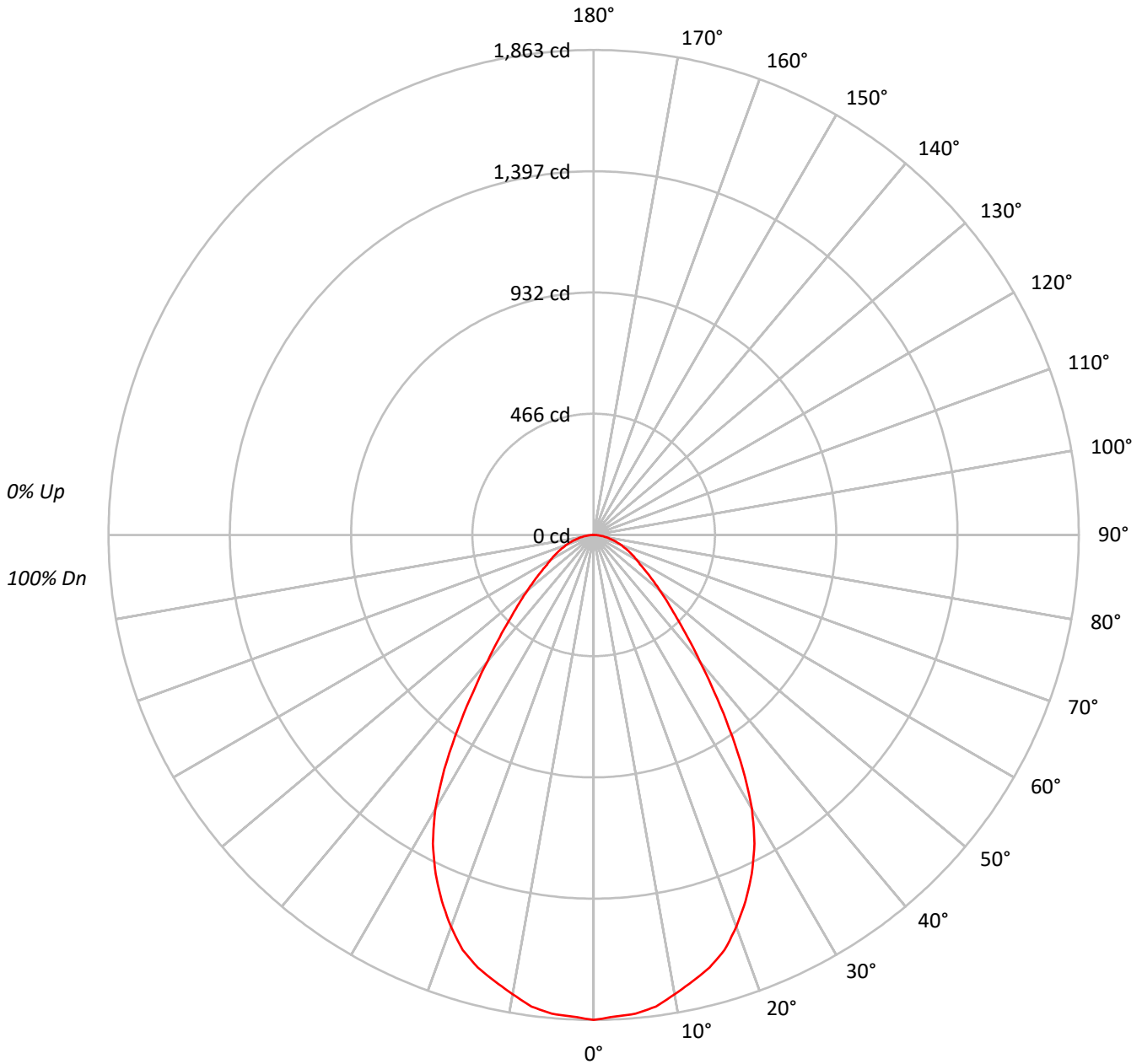
Lumens per Lamp: N/A
Luminaire Lumens: 2710.6 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.01
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P580480
CATALOG NUMBER: HCC4W35D010BZ-HM43040927-41MDW

Luminous Intensity Polar Plot





TEST NUMBER: P580480

CATALOG NUMBER: HCC4W35D010BZ-HM43040927-41MDW

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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89	89	89	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79	79	79	79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70	70	70	70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63	63	63	63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57	57	57	57
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	54	52	52	52	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47	47	47	47
8	70	58	51	46	68	58	51	46	56	50	46	55	50	45	54	49	45	44	44	44	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40	40	40	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37	37	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	229793
5°	228591
10°	224408
15°	219677
20°	210281
25°	195530
30°	173078
35°	136589
40°	102213
45°	78619
50°	63785
55°	52901
60°	46797
65°	43312
70°	39959
75°	36696
80°	33385
85°	26606



TEST NUMBER: P580480
 CATALOG NUMBER: HCC4W35D010BZ-HM43040927-41MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.5	6.4
10°-20°	482.4	17.8
20°-30°	655.1	24.2
30°-40°	567.5	20.9
40°-50°	356.2	13.1
50°-60°	224.1	8.3
60°-70°	147.2	5.4
70°-80°	81.2	3.0
80°-90°	22.2	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°	1312.1	48.4
0°-40°	1879.5	69.3
0°-60°	2459.9	90.8
0°-90°	2710.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2710.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1863	
5°	1846	175
15°	1720	482
25°	1437	655
35°	907	567
45°	451	356
55°	246	224
65°	148	147
75°	77	81
85°	19	22
90°	0	



TEST NUMBER: P580480
CATALOG NUMBER: HCC4W35D010BZ-HM43040927-41MDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1863.0
2.5°	1851.8
5°	1846.2
7.5°	1827.4
10°	1791.7
12.5°	1756.0
15°	1720.3
17.5°	1671.5
20°	1602.0
22.5°	1523.1
25°	1436.7
27.5°	1337.2
30°	1215.2
32.5°	1066.8
35°	907.1
37.5°	760.6
40°	634.8
42.5°	535.2
45°	450.7
47.5°	386.9
50°	332.4
52.5°	285.5
55°	246.0
57.5°	212.2
60°	189.7
62.5°	169.0
65°	148.4
67.5°	127.7
70°	110.8
72.5°	92.1
75°	77.0
77.5°	60.1
80°	47.0
82.5°	31.9
85°	18.8
87.5°	7.5
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)