

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: P580445

Luminaire Tested: **HCC4W35D010MW-HM43040835-41NDW**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P580445
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4W35D010MW-HM43040835-41NDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

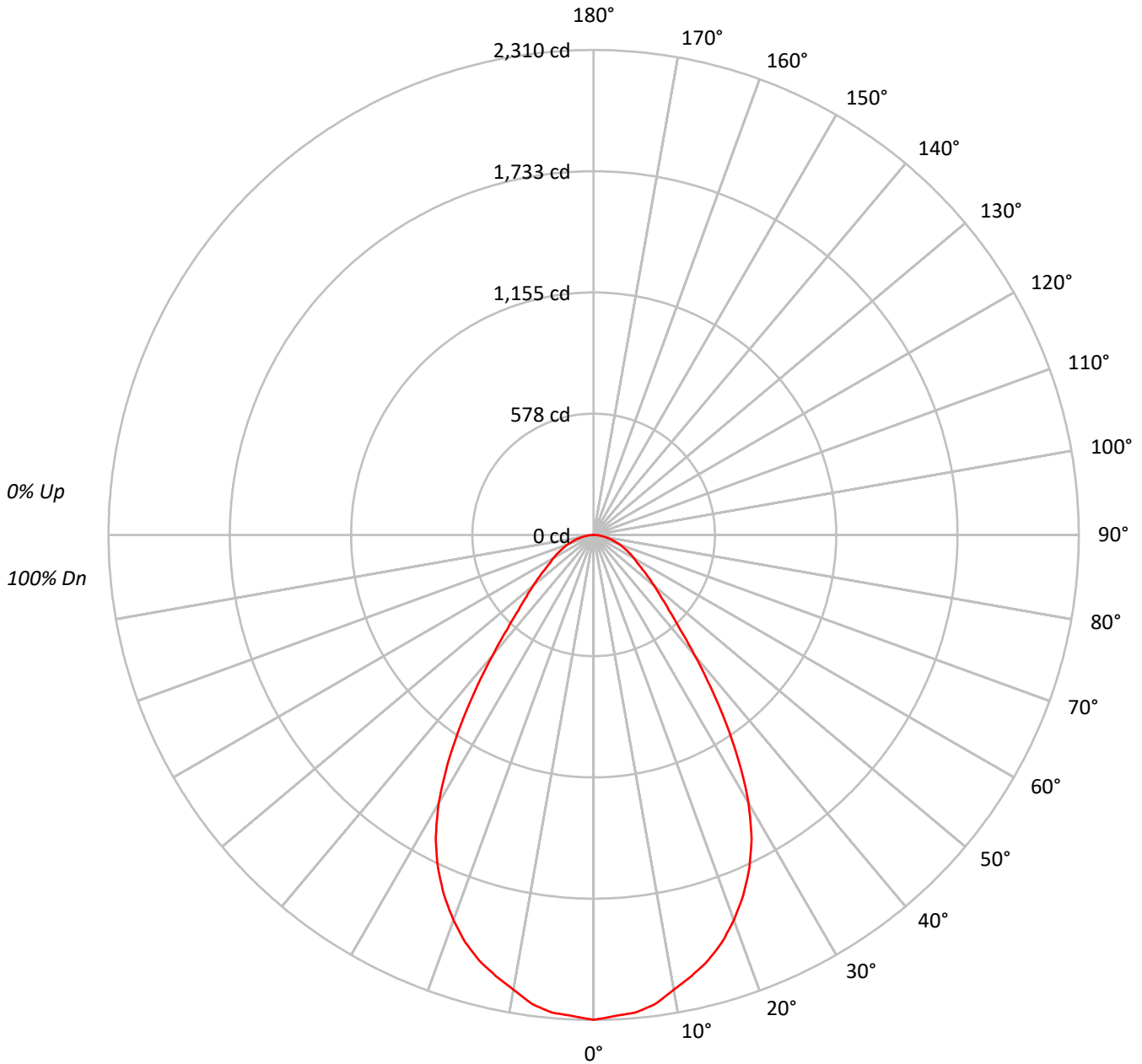
Lumens per Lamp: N/A
Luminaire Lumens: 3242.9 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.01
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P580445
CATALOG NUMBER: HCC4W35D010MW-HM43040835-41NDW

Luminous Intensity Polar Plot



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



TEST NUMBER: P580445

CATALOG NUMBER: HCC4W35D010MW-HM43040835-41NDW

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
1	111	108	104	101	109	105	102	100	101	99	97	98	96	94	94	92	91	89			89
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71			71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			64
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	58			58
6	79	68	61	56	78	67	60	55	66	60	55	64	59	55	63	58	54	52			52
7	75	63	56	51	73	62	56	51	61	55	50	60	54	50	59	53	50	48			48
8	70	59	52	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	47	43	53	47	43	52	47	43	51	46	42	41			41
10	63	51	44	40	62	51	44	40	50	44	40	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	284904
5°	282798
10°	275434
15°	268176
20°	256170
25°	238673
30°	210151
35°	165740
40°	120295
45°	88405
50°	71902
55°	60299
60°	54642
65°	50229
70°	46739
75°	42701
80°	38499
85°	33399



TEST NUMBER: P580445
 CATALOG NUMBER: HCC4W35D010MW-HM43040835-41NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.3	6.6
10°-20°	589.1	18.2
20°-30°	798.5	24.6
30°-40°	685.2	21.1
40°-50°	404.6	12.5
50°-60°	256.3	7.9
60°-70°	172.2	5.3
70°-80°	95.1	2.9
80°-90°	26.6	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°	1602.9	49.4
0°-40°	2288.1	70.6
0°-60°	2949.0	90.9
0°-90°	3242.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3242.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2310	
5°	2284	215
15°	2100	589
25°	1754	799
35°	1101	685
45°	507	405
55°	280	256
65°	172	172
75°	90	95
85°	24	27
90°	0	



TEST NUMBER: P580445
CATALOG NUMBER: HCC4W35D010MW-HM43040835-41NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2309.8
2.5°	2293.4
5°	2284.0
7.5°	2253.3
10°	2199.1
12.5°	2152.0
15°	2100.1
17.5°	2034.1
20°	1951.6
22.5°	1859.7
25°	1753.7
27.5°	1628.7
30°	1475.5
32.5°	1293.9
35°	1100.7
37.5°	914.5
40°	747.1
42.5°	608.1
45°	506.8
47.5°	433.6
50°	374.7
52.5°	325.3
55°	280.4
57.5°	245.1
60°	221.5
62.5°	197.9
65°	172.1
67.5°	150.8
70°	129.6
72.5°	108.5
75°	89.6
77.5°	70.7
80°	54.2
82.5°	37.8
85°	23.6
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)