

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: P580283

Luminaire Tested: **HCC4W30D010MW-HM43040830-41NDW**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P580283
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: HCC4W30D010MW-HM43040830-41NDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

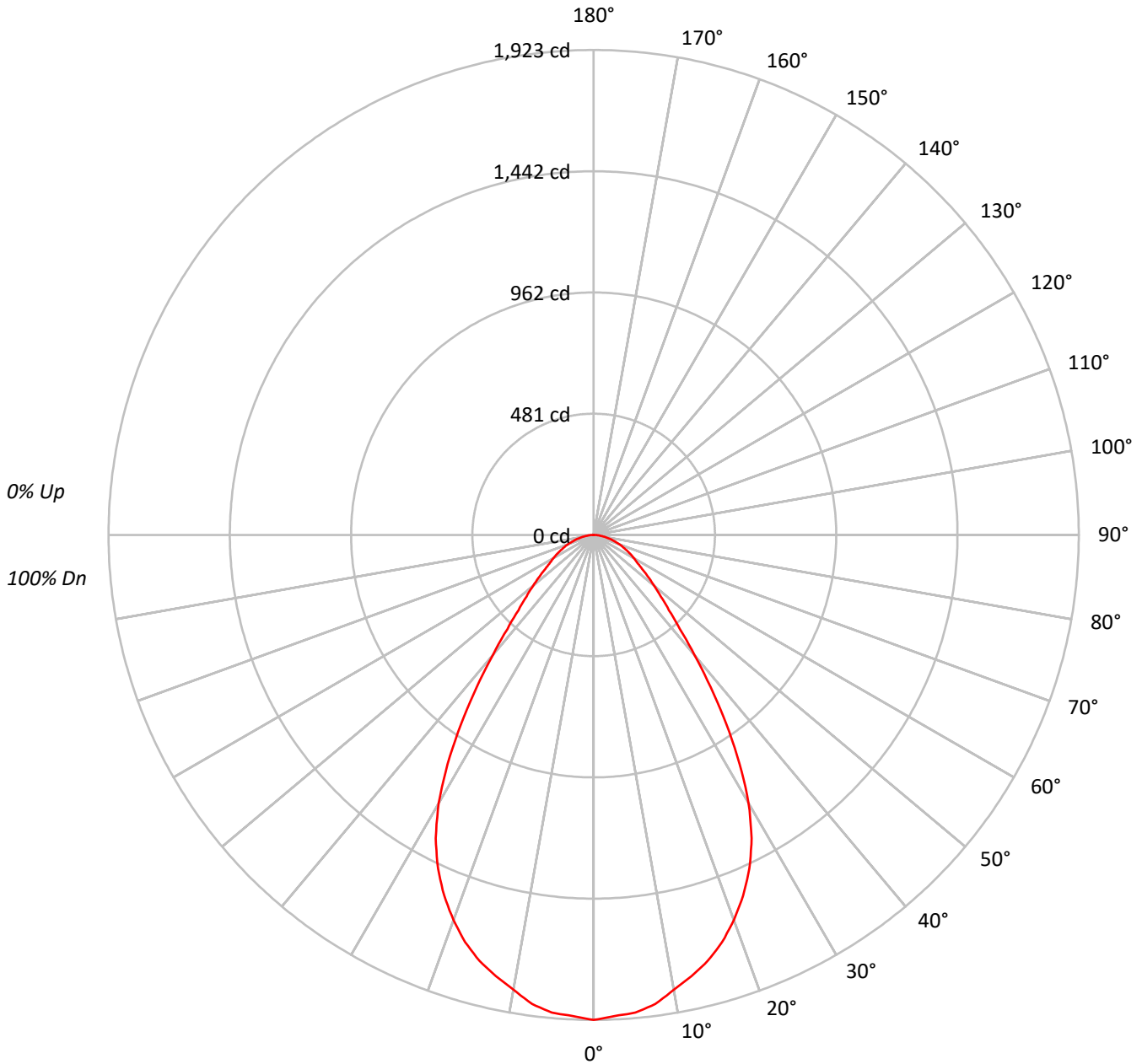
Lumens per Lamp: N/A
Luminaire Lumens: 2699.9 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.01
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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: P580283
CATALOG NUMBER: HCC4W30D010MW-HM43040830-41NDW

Luminous Intensity Polar Plot





TEST NUMBER: P580283

CATALOG NUMBER: HCC4W30D010MW-HM43040830-41NDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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°	237194
5°	235438
10°	229317
15°	223265
20°	213274
25°	198701
30°	174958
35°	137989
40°	100168
45°	73595
50°	59870
55°	50213
60°	45490
65°	41824
70°	38913
75°	35552
80°	32035
85°	27739



TEST NUMBER: P580283
 CATALOG NUMBER: HCC4W30D010MW-HM43040830-41NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.3	6.6
10°-20°	490.4	18.2
20°-30°	664.8	24.6
30°-40°	570.4	21.1
40°-50°	336.8	12.5
50°-60°	213.4	7.9
60°-70°	143.4	5.3
70°-80°	79.2	2.9
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°	1334.5	49.4
0°-40°	1904.9	70.6
0°-60°	2455.2	90.9
0°-90°	2699.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2699.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1923	
5°	1902	179
15°	1748	490
25°	1460	665
35°	916	570
45°	422	337
55°	234	213
65°	143	143
75°	75	79
85°	20	22
90°	0	



TEST NUMBER: P580283
CATALOG NUMBER: HCC4W30D010MW-HM43040830-41NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1923.0
2.5°	1909.3
5°	1901.5
7.5°	1876.0
10°	1830.9
12.5°	1791.6
15°	1748.4
17.5°	1693.5
20°	1624.8
22.5°	1548.3
25°	1460.0
27.5°	1356.0
30°	1228.4
32.5°	1077.2
35°	916.4
37.5°	761.4
40°	622.1
42.5°	506.2
45°	421.9
47.5°	361.1
50°	312.0
52.5°	270.8
55°	233.5
57.5°	204.1
60°	184.4
62.5°	164.8
65°	143.3
67.5°	125.5
70°	107.9
72.5°	90.2
75°	74.6
77.5°	58.9
80°	45.1
82.5°	31.4
85°	19.6
87.5°	7.9
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)