

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: P579875

Luminaire Tested: **HCC4W15D010MW-HM40525835-41PSMDW**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P579875
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: HCC4W15D010MW-HM40525835-41PSMDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

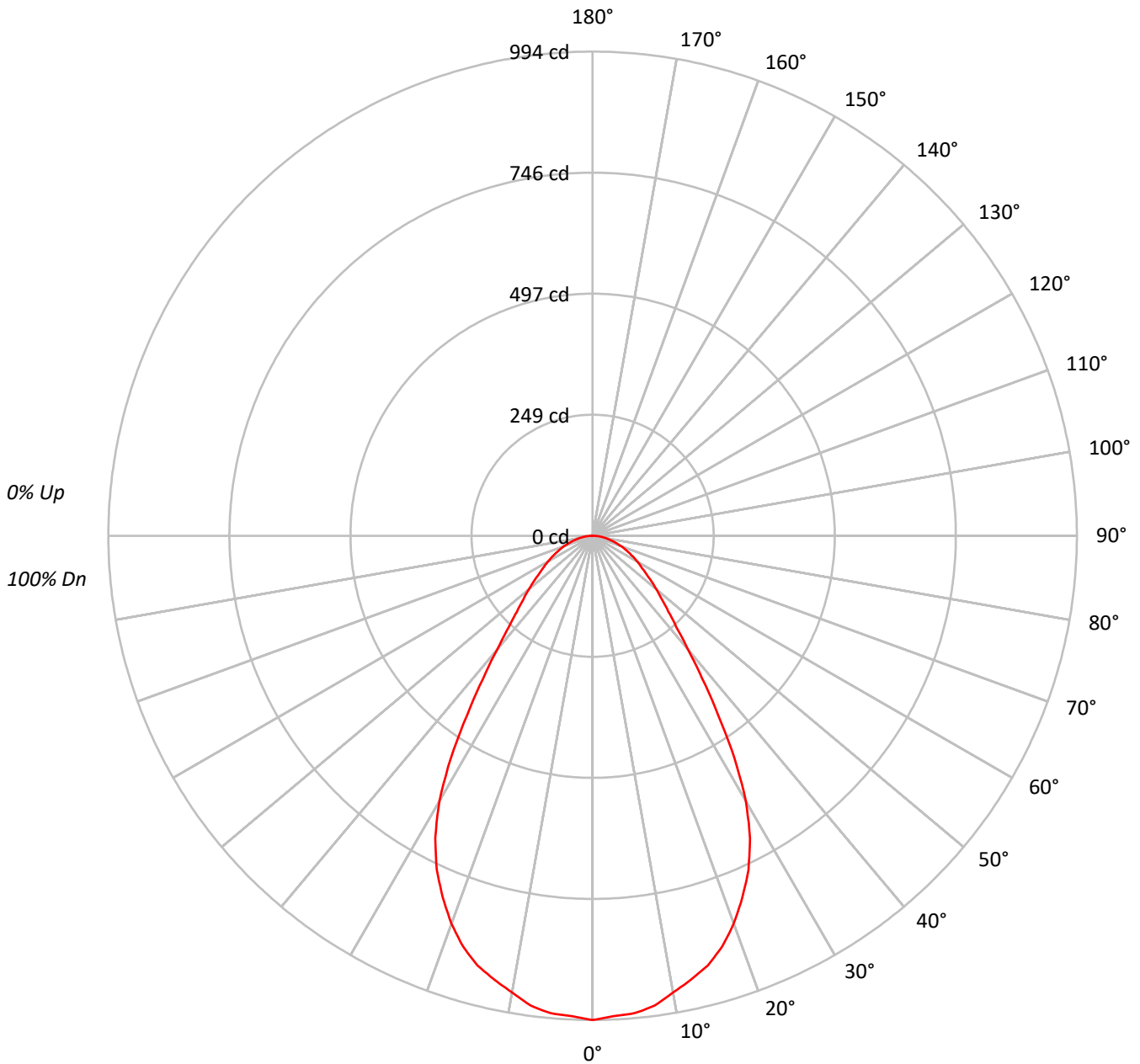
Lumens per Lamp: N/A
Luminaire Lumens: 1411.6 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 0.99
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P579875
CATALOG NUMBER: HCC4W15D010MW-HM40525835-41PSMDW

Luminous Intensity Polar Plot



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



TEST NUMBER: P579875

CATALOG NUMBER: HCC4W15D010MW-HM40525835-41PSMDW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	122618
5°	121848
10°	119249
15°	116613
20°	111218
25°	102971
30°	89558
35°	67624
40°	49013
45°	38306
50°	32756
55°	28343
60°	26075
65°	23903
70°	22324
75°	20445
80°	19108
85°	18398



TEST NUMBER: P579875

CATALOG NUMBER: HCC4W15D010MW-HM40525835-41PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.9	6.6
10°-20°	255.8	18.1
20°-30°	344.0	24.4
30°-40°	282.8	20.0
40°-50°	173.7	12.3
50°-60°	120.2	8.5
60°-70°	82.0	5.8
70°-80°	45.6	3.2
80°-90°	14.5	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°	692.7	49.1
0°-40°	975.5	69.1
0°-60°	1269.5	89.9
0°-90°	1411.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1411.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	994	
5°	984	93
15°	913	256
25°	757	344
35°	449	283
45°	220	174
55°	132	120
65°	82	82
75°	43	46
85°	13	15
90°	0	



TEST NUMBER: P579875

CATALOG NUMBER: HCC4W15D010MW-HM40525835-41PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	994.1
2.5°	987.0
5°	984.1
7.5°	973.0
10°	952.1
12.5°	933.1
15°	913.2
17.5°	884.2
20°	847.3
22.5°	803.4
25°	756.6
27.5°	699.6
30°	628.8
32.5°	541.9
35°	449.1
37.5°	369.3
40°	304.4
42.5°	254.5
45°	219.6
47.5°	192.6
50°	170.7
52.5°	150.7
55°	131.8
57.5°	117.8
60°	105.7
62.5°	93.8
65°	81.9
67.5°	71.9
70°	61.9
72.5°	51.8
75°	42.9
77.5°	33.9
80°	26.9
82.5°	20.0
85°	13.0
87.5°	6.9
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)