

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: P592719

Luminaire Tested: **HCC4W25D010MW-HM40525950-41MDW**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P592719
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: HCC4W25D010MW-HM40525950-41MDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

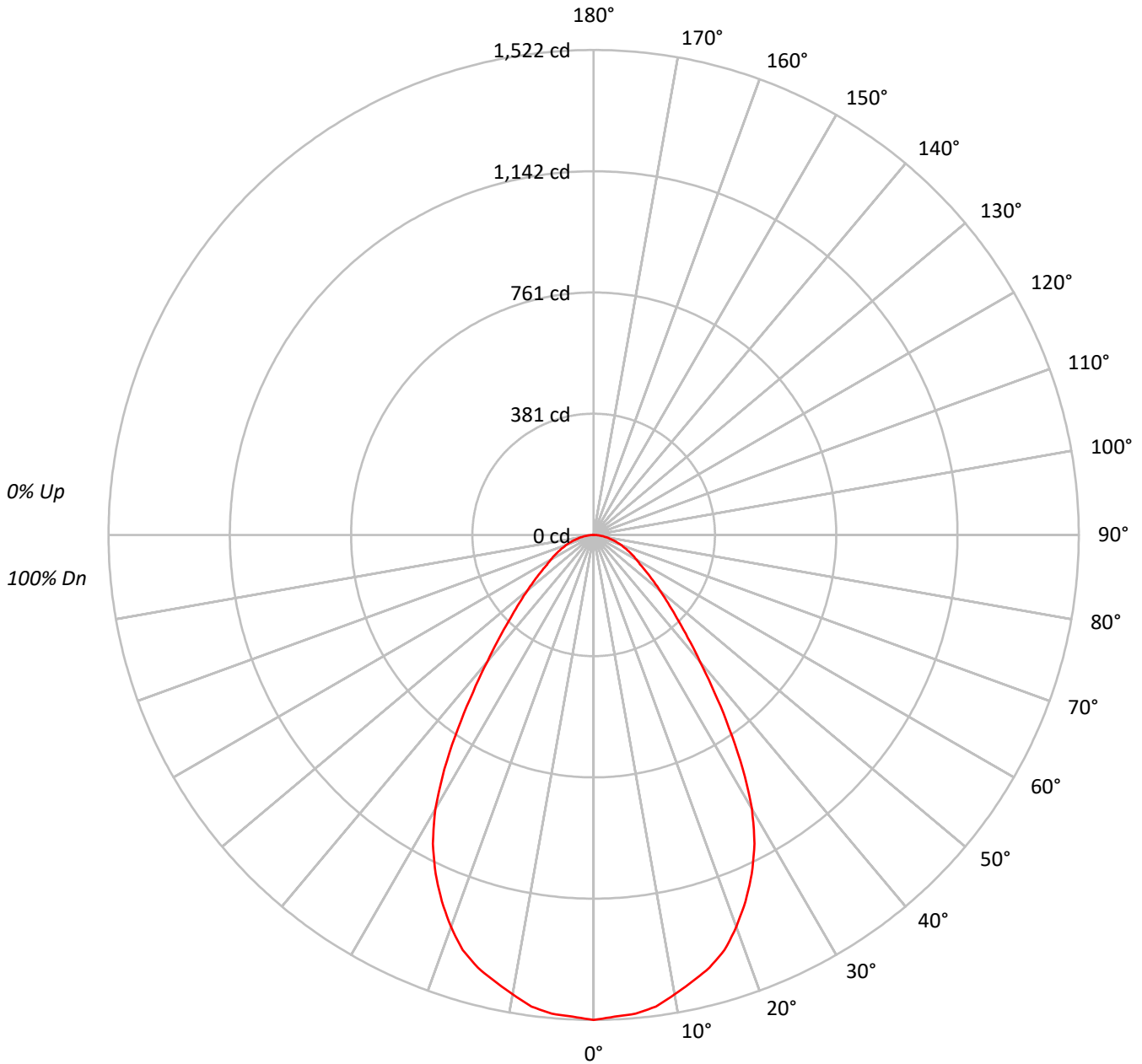
Lumens per Lamp: N/A
Luminaire Lumens: 2214.8 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.01
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
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: P592719
CATALOG NUMBER: HCC4W25D010MW-HM40525950-41MDW

Luminous Intensity Polar Plot





TEST NUMBER: P592719

CATALOG NUMBER: HCC4W25D010MW-HM40525950-41MDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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																			
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89																			
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79																			
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70																			
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63																			
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57																			
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	54	52																			
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47																			
8	70	58	51	46	68	58	51	46	56	50	46	55	50	45	54	49	45	44																			
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40																			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	187769
5°	186778
10°	183364
15°	179503
20°	171822
25°	159764
30°	141402
35°	111608
40°	83519
45°	64245
50°	52118
55°	43246
60°	38237
65°	35403
70°	32638
75°	29976
80°	27276
85°	21795



TEST NUMBER: P592719
 CATALOG NUMBER: HCC4W25D010MW-HM40525950-41MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.6	6.4
10°-20°	394.2	17.8
20°-30°	535.2	24.2
30°-40°	463.7	20.9
40°-50°	291.1	13.1
50°-60°	183.2	8.3
60°-70°	120.3	5.4
70°-80°	66.4	3.0
80°-90°	18.2	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°	1072.1	48.4
0°-40°	1535.7	69.3
0°-60°	2010.0	90.8
0°-90°	2214.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2214.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1522	
5°	1508	143
15°	1406	394
25°	1174	535
35°	741	464
45°	368	291
55°	201	183
65°	121	120
75°	63	66
85°	15	18
90°	0	



TEST NUMBER: P592719
CATALOG NUMBER: HCC4W25D010MW-HM40525950-41MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1522.3
2.5°	1513.1
5°	1508.5
7.5°	1493.1
10°	1464.0
12.5°	1434.8
15°	1405.7
17.5°	1365.8
20°	1309.0
22.5°	1244.5
25°	1173.9
27.5°	1092.6
30°	992.8
32.5°	871.6
35°	741.2
37.5°	621.5
40°	518.7
42.5°	437.4
45°	368.3
47.5°	316.1
50°	271.6
52.5°	233.3
55°	201.1
57.5°	173.4
60°	155.0
62.5°	138.1
65°	121.3
67.5°	104.3
70°	90.5
72.5°	75.2
75°	62.9
77.5°	49.1
80°	38.4
82.5°	26.1
85°	15.4
87.5°	6.1
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)