

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: P580240

Luminaire Tested: **HCC4W25D010MW-HM40525940-41NDH**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P580240
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4W25D010MW-HM40525940-41NDH
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" NARROW DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

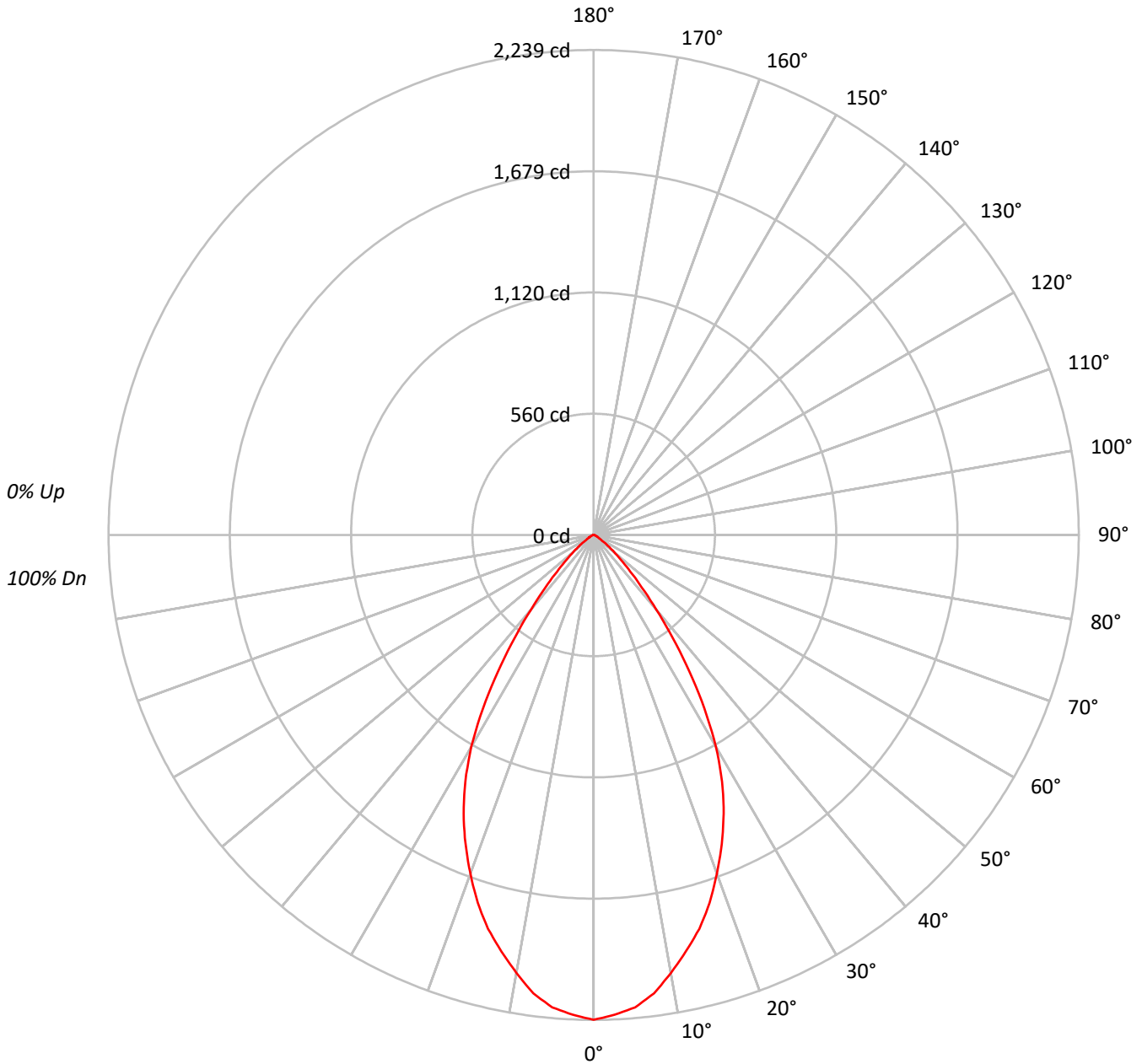
Lumens per Lamp: N/A
Luminaire Lumens: 2128.9 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P580240
CATALOG NUMBER: HCC4W25D010MW-HM40525940-41NDH

Luminous Intensity Polar Plot



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



TEST NUMBER: P580240

CATALOG NUMBER: HCC4W25D010MW-HM40525940-41NDH

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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86	86	86	86
3	101	95	89	85	99	93	88	84	91	86	83	88	85	82	86	83	81	79	79	79	79
4	96	88	82	78	94	87	81	77	85	80	76	82	79	75	81	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67	67	67	67
6	86	76	70	66	84	76	70	65	74	69	65	73	68	64	71	67	64	63	63	63	63
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58	58	58	58
8	77	67	61	57	76	67	61	56	65	60	56	64	59	56	63	59	56	54	54	54	54
9	73	63	57	53	72	63	57	53	62	56	52	61	56	52	60	55	52	51	51	51	51
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48	48	48	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	276122
5°	271109
10°	257148
15°	240428
20°	218367
25°	193230
30°	160729
35°	115914
40°	72329
45°	41725
50°	23526
55°	11225
60°	6439
65°	4903
70°	3282
75°	2192
80°	2131
85°	2264



TEST NUMBER: P580240
 CATALOG NUMBER: HCC4W25D010MW-HM40525940-41NDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.7	9.6
10°-20°	525.2	24.7
20°-30°	646.0	30.3
30°-40°	479.8	22.5
40°-50°	195.0	9.2
50°-60°	54.0	2.5
60°-70°	16.8	0.8
70°-80°	5.6	0.3
80°-90°	1.7	0.1
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°	1375.9	64.6
0°-40°	1855.7	87.2
0°-60°	2104.8	98.9
0°-90°	2128.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2128.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2239	
5°	2190	205
15°	1883	525
25°	1420	646
35°	770	480
45°	239	195
55°	52	54
65°	17	17
75°	5	6
85°	2	2
90°	0	



TEST NUMBER: P580240
CATALOG NUMBER: HCC4W25D010MW-HM40525940-41NDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2238.6
2.5°	2217.1
5°	2189.6
7.5°	2134.4
10°	2053.1
12.5°	1968.8
15°	1882.8
17.5°	1780.1
20°	1663.6
22.5°	1545.6
25°	1419.8
27.5°	1283.3
30°	1128.5
32.5°	952.2
35°	769.8
37.5°	598.0
40°	449.2
42.5°	328.1
45°	239.2
47.5°	171.7
50°	122.6
52.5°	84.3
55°	52.2
57.5°	33.8
60°	26.1
62.5°	21.5
65°	16.8
67.5°	12.3
70°	9.1
72.5°	7.7
75°	4.6
77.5°	3.0
80°	3.0
82.5°	1.6
85°	1.6
87.5°	1.6
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)