

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: P592711

Luminaire Tested: **HCC4W25D010MB-HM40525950-41WDWB**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P592711
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4W25D010MB-HM40525950-41WDWB
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

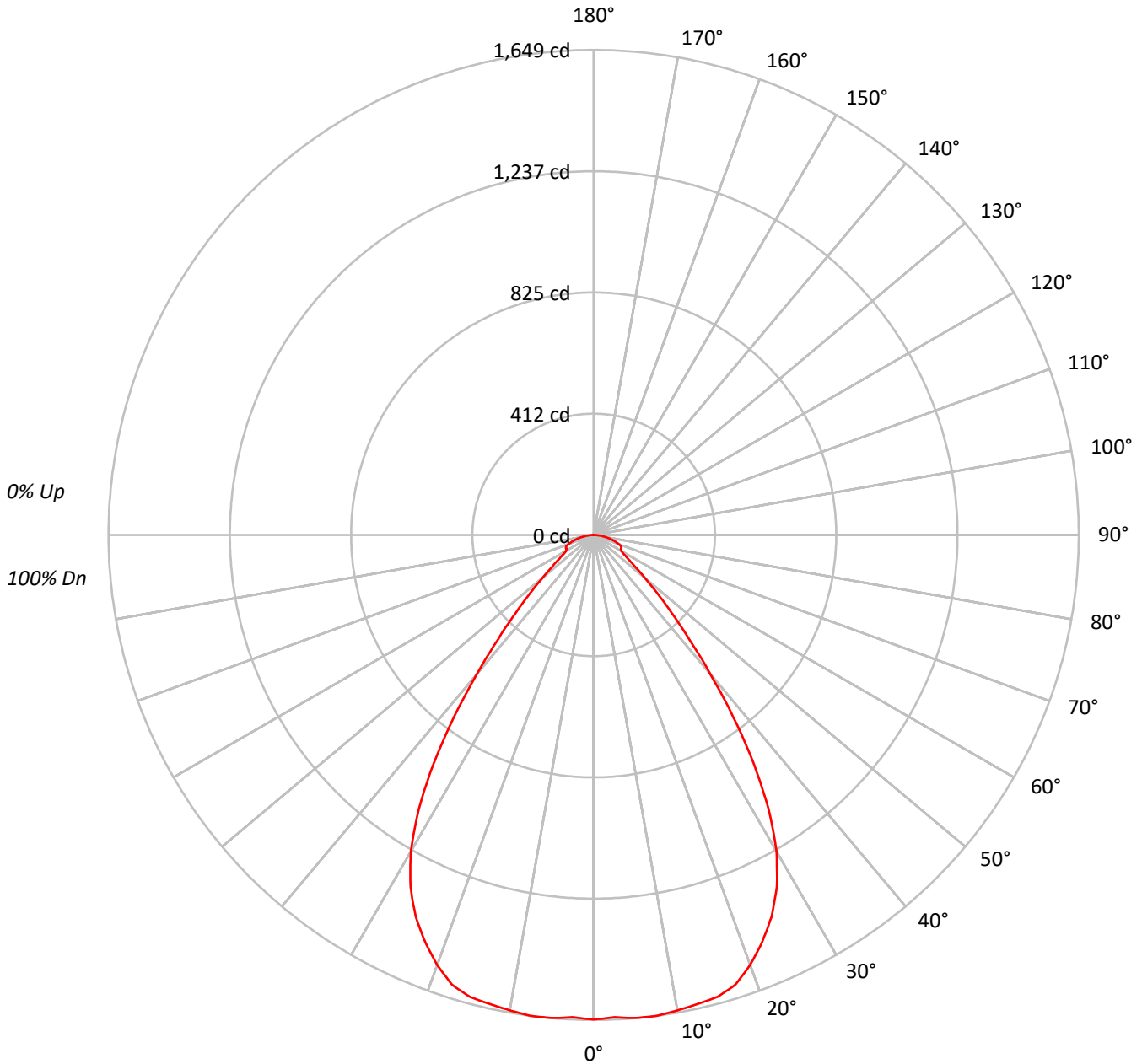
Lumens per Lamp: N/A
Luminaire Lumens: 2475.5 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.07
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P592711
CATALOG NUMBER: HCC4W25D010MB-HM40525950-41WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P592711
 CATALOG NUMBER: HCC4W25D010MB-HM40525950-41WDWB

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90		
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80		
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72		
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49		
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46		
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42		
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	203237
5°	204186
10°	205595
15°	207661
20°	204191
25°	194795
30°	176980
35°	142762
40°	99057
45°	65030
50°	43559
55°	31010
60°	26495
65°	30441
70°	32638
75°	31406
80°	28342
85°	26040



TEST NUMBER: P592711

CATALOG NUMBER: HCC4W25D010MB-HM40525950-41WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.2	6.3
10°-20°	456.8	18.5
20°-30°	652.7	26.4
30°-40°	583.1	23.6
40°-50°	299.1	12.1
50°-60°	135.9	5.5
60°-70°	101.4	4.1
70°-80°	69.0	2.8
80°-90°	20.4	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°	1266.7	51.2
0°-40°	1849.7	74.7
0°-60°	2284.7	92.3
0°-90°	2475.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2475.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1648	
5°	1649	157
15°	1626	457
25°	1431	653
35°	948	583
45°	373	299
55°	144	136
65°	104	101
75°	66	69
85°	18	20
90°	0	



TEST NUMBER: P592711

CATALOG NUMBER: HCC4W25D010MB-HM40525950-41WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	1647.7
2.5°	1641.5
5°	1649.1
7.5°	1649.1
10°	1641.5
12.5°	1633.9
15°	1626.2
17.5°	1603.2
20°	1555.6
22.5°	1497.3
25°	1431.3
27.5°	1348.5
30°	1242.6
32.5°	1107.7
35°	948.1
37.5°	777.8
40°	615.2
42.5°	480.2
45°	372.8
47.5°	291.5
50°	227.0
52.5°	177.9
55°	144.2
57.5°	121.1
60°	107.4
62.5°	104.3
65°	104.3
67.5°	101.3
70°	90.5
72.5°	78.2
75°	65.9
77.5°	52.2
80°	39.9
82.5°	29.1
85°	18.4
87.5°	7.7
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)