

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: P581012

Luminaire Tested: **HCC4W05D010MB-HM40525835-41WDWB**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P581012
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: HCC4W05D010MB-HM40525835-41WDWB
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

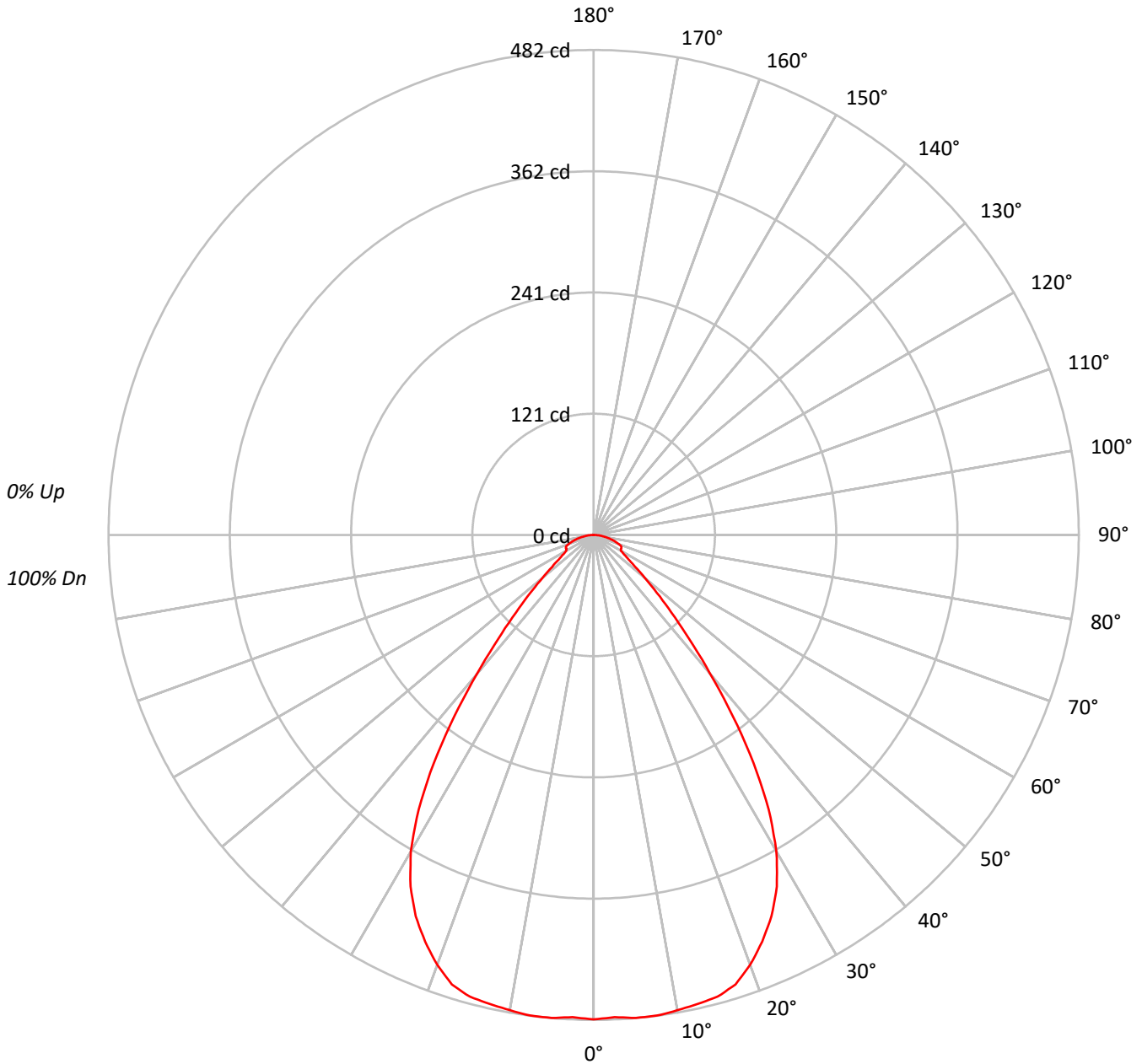
Lumens per Lamp: N/A
Luminaire Lumens: 723.4 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.07
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 6
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: P581012
CATALOG NUMBER: HCC4W05D010MB-HM40525835-41WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P581012

CATALOG NUMBER: HCC4W05D010MB-HM40525835-41WDWB

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°	59391
5°	59667
10°	60082
15°	60682
20°	59672
25°	56916
30°	51715
35°	41725
40°	28951
45°	19014
50°	12742
55°	9053
60°	7721
65°	8902
70°	9521
75°	9198
80°	8311
85°	7501



TEST NUMBER: P581012
 CATALOG NUMBER: HCC4W05D010MB-HM40525835-41WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.9	6.3
10°-20°	133.5	18.5
20°-30°	190.7	26.4
30°-40°	170.4	23.6
40°-50°	87.4	12.1
50°-60°	39.7	5.5
60°-70°	29.6	4.1
70°-80°	20.1	2.8
80°-90°	6.0	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°	370.1	51.2
0°-40°	540.5	74.7
0°-60°	667.6	92.3
0°-90°	723.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	723.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	482	
5°	482	46
15°	475	134
25°	418	191
35°	277	170
45°	109	87
55°	42	40
65°	30	30
75°	19	20
85°	5	6
90°	0	



TEST NUMBER: P581012
CATALOG NUMBER: HCC4W05D010MB-HM40525835-41WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	481.5
2.5°	479.7
5°	481.9
7.5°	481.9
10°	479.7
12.5°	477.5
15°	475.2
17.5°	468.5
20°	454.6
22.5°	437.5
25°	418.2
27.5°	394.1
30°	363.1
32.5°	323.7
35°	277.1
37.5°	227.3
40°	179.8
42.5°	140.3
45°	109.0
47.5°	85.1
50°	66.4
52.5°	52.0
55°	42.1
57.5°	35.4
60°	31.3
62.5°	30.5
65°	30.5
67.5°	29.6
70°	26.4
72.5°	22.8
75°	19.3
77.5°	15.2
80°	11.7
82.5°	8.5
85°	5.3
87.5°	2.3
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)