

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: P582769

Luminaire Tested: **HCC6W50D010MB-HM64560840-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W50D010MB-HM64560840-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

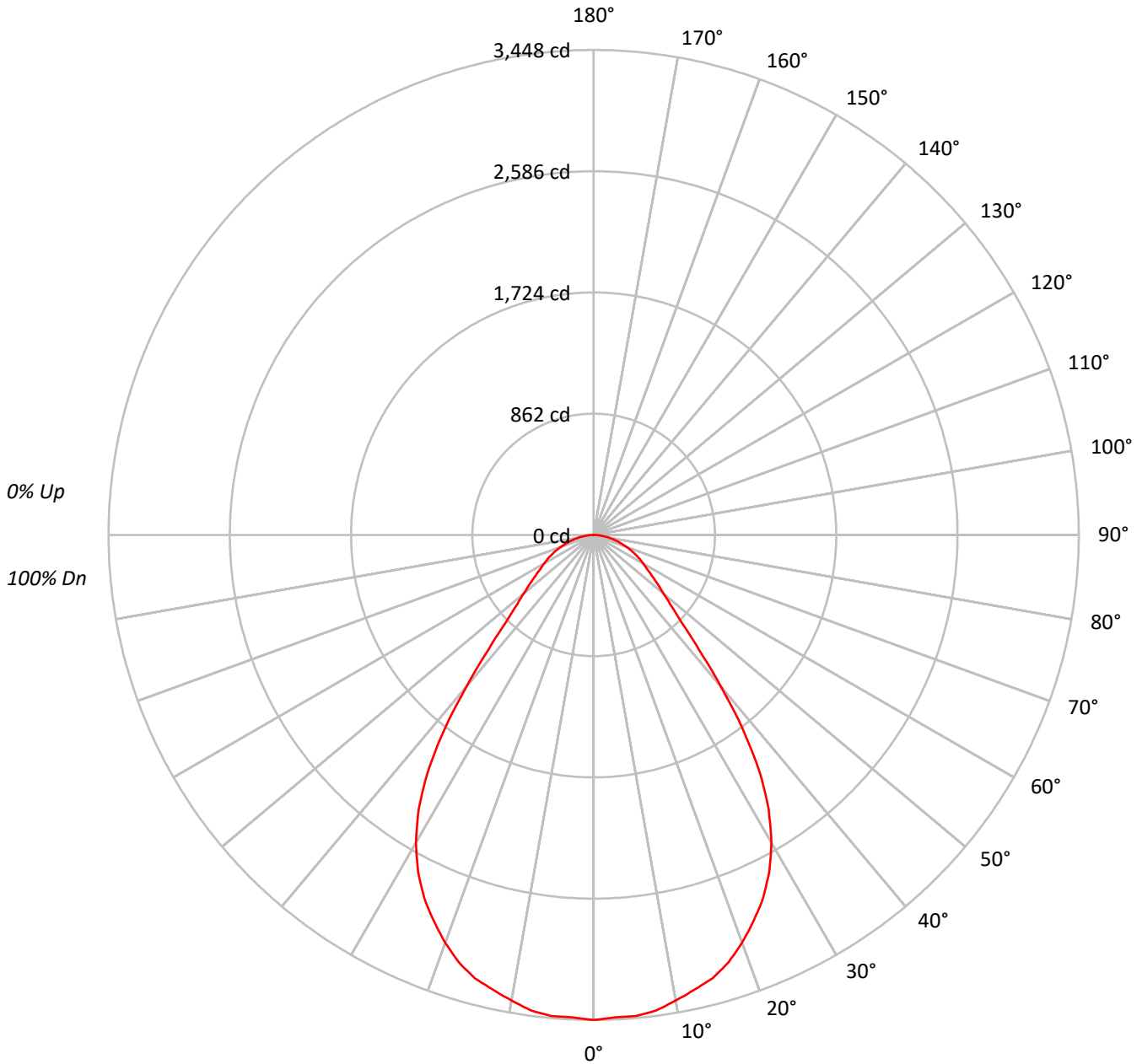
Lumens per Lamp: N/A
Luminaire Lumens: 5539.8 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 48
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: P582769
CATALOG NUMBER: HCC6W50D010MB-HM64560840-61WDW

Luminous Intensity Polar Plot





TEST NUMBER: P582769
 CATALOG NUMBER: HCC6W50D010MB-HM64560840-61WDW

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	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89																			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78																			
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69																			
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62																			
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	61	58	56																			
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51																			
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46																			
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42																			
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39																			
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	189047
5°	188933
10°	187104
15°	185166
20°	179933
25°	172329
30°	159936
35°	137607
40°	100445
45°	68829
50°	55324
55°	48218
60°	44503
65°	42326
70°	39526
75°	36982
80°	33527
85°	28619



TEST NUMBER: P582769
 CATALOG NUMBER: HCC6W50D010MB-HM64560840-61WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.5	5.9
10°-20°	916.3	16.5
20°-30°	1303.2	23.5
30°-40°	1254.6	22.6
40°-50°	721.9	13.0
50°-60°	457.4	8.3
60°-70°	323.8	5.8
70°-80°	184.6	3.3
80°-90°	52.6	0.9
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°	2544.9	45.9
0°-40°	3799.5	68.6
0°-60°	4978.7	89.9
0°-90°	5539.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5539.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3448	
5°	3433	325
15°	3263	916
25°	2849	1303
35°	2056	1255
45°	888	722
55°	504	457
65°	326	324
75°	175	185
85°	46	53
90°	0	



TEST NUMBER: P582769

CATALOG NUMBER: HCC6W50D010MB-HM64560840-61WDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	3448.5
2.5°	3433.3
5°	3433.3
7.5°	3410.5
10°	3361.2
12.5°	3311.9
15°	3262.6
17.5°	3186.7
20°	3084.3
22.5°	2970.5
25°	2849.0
27.5°	2701.1
30°	2526.6
32.5°	2314.2
35°	2056.2
37.5°	1741.3
40°	1403.6
42.5°	1107.8
45°	887.8
47.5°	747.3
50°	648.7
52.5°	569.0
55°	504.5
57.5°	447.6
60°	405.9
62.5°	368.0
65°	326.3
67.5°	288.3
70°	246.6
72.5°	208.7
75°	174.6
77.5°	140.4
80°	106.2
82.5°	75.8
85°	45.5
87.5°	19.0
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)