

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: P593341

Luminaire Tested: **HCC6S50D010MB-HM64560850-61WDWB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593341  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S50D010MB-HM64560850-61WDWB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

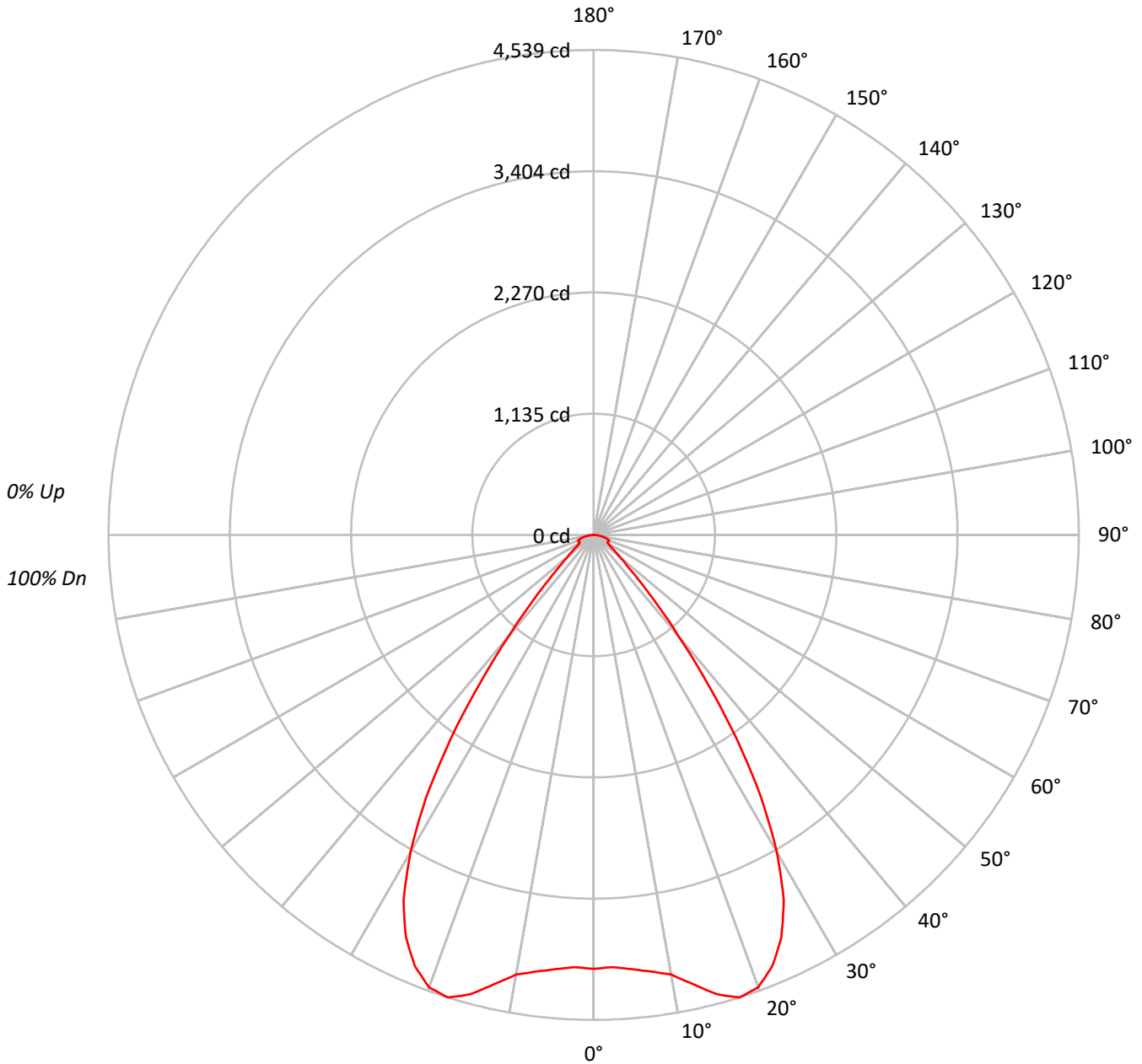
Lumens per Lamp: N/A  
Luminaire Lumens: 5968.5 lumens  
Efficiency: N/A  
Efficacy: 124.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 48  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P593341  
CATALOG NUMBER: HCC6S50D010MB-HM64560850-61WDWB

### Luminous Intensity Polar Plot





TEST NUMBER: P593341  
 CATALOG NUMBER: HCC6S50D010MB-HM64560850-61WDWB

**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	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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91																																				
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82																																				
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75																																				
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69																																				
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63																																				
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58																																				
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54																																				
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50																																				
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46																																				
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43																																				

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	222614
5°	224499
10°	232594
15°	252640
20°	262797
25°	251361
30°	216926
35°	156198
40°	87986
45°	45609
50°	27189
55°	19584
60°	16643
65°	19198
70°	24331
75°	25714
80°	25161
85°	23839



TEST NUMBER: P593341  
 CATALOG NUMBER: HCC6S50D010MB-HM64560850-61WDWB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	392.6	6.6
10°-20°	1255.5	21.0
20°-30°	1876.6	31.4
30°-40°	1434.5	24.0
40°-50°	501.1	8.4
50°-60°	190.9	3.2
60°-70°	149.8	2.5
70°-80°	126.7	2.1
80°-90°	40.8	0.7
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°	3524.7	59.1
0°-40°	4959.3	83.1
0°-60°	5651.3	94.7
0°-90°	5968.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5968.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4061	
5°	4080	393
15°	4452	1256
25°	4156	1877
35°	2334	1435
45°	588	501
55°	205	191
65°	148	150
75°	121	127
85°	38	41
90°	0	



TEST NUMBER: P593341

CATALOG NUMBER: HCC6S50D010MB-HM64560850-61WDWB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4060.8
2.5°	4049.3
5°	4079.6
7.5°	4121.5
10°	4178.4
12.5°	4307.3
15°	4451.5
17.5°	4538.9
20°	4504.7
22.5°	4368.0
25°	4155.6
27.5°	3851.9
30°	3426.9
32.5°	2918.4
35°	2334.0
37.5°	1730.5
40°	1229.5
42.5°	861.4
45°	588.3
47.5°	413.7
50°	318.8
52.5°	250.5
55°	204.9
57.5°	167.0
60°	151.8
62.5°	148.0
65°	148.0
67.5°	155.7
70°	151.8
72.5°	140.4
75°	121.4
77.5°	102.5
80°	79.7
82.5°	56.9
85°	37.9
87.5°	15.2
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)