

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: P581607

Luminaire Tested: **HCC6W10D010BZ-HM60525840-61MDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581607  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W10D010BZ-HM60525840-61MDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

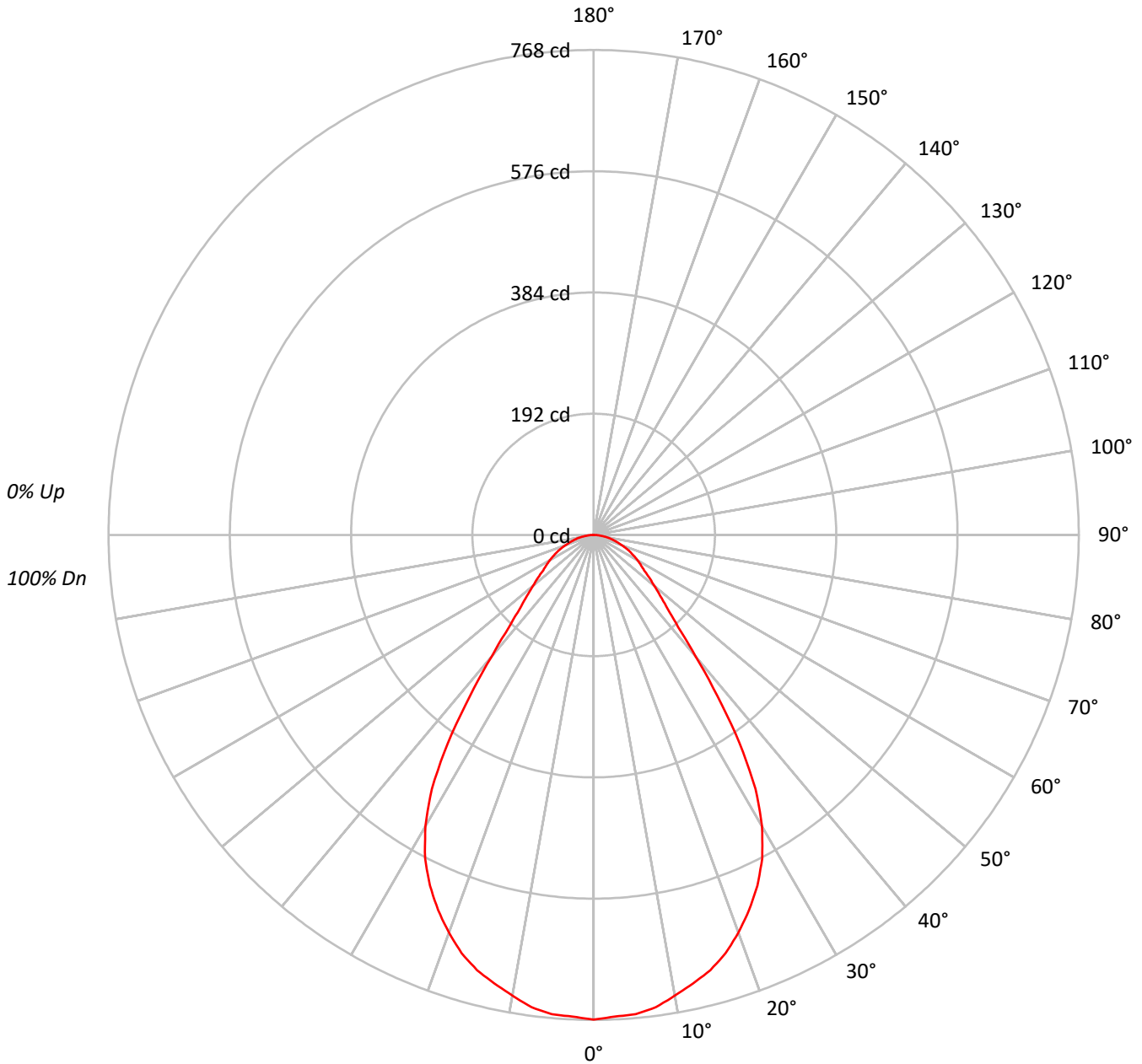
Lumens per Lamp: N/A  
Luminaire Lumens: 1130.4 lumens  
Efficiency: N/A  
Efficacy: 114.2 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.9  
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: P581607  
CATALOG NUMBER: HCC6W10D010BZ-HM60525840-61MDW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P581607

CATALOG NUMBER: HCC6W10D010BZ-HM60525840-61MDW

**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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89																			
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79																			
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70																			
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63																			
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57																			
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52																			
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48																			
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44																			
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40																			
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37																			

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

	0°
0°	42080
5°	41922
10°	41226
15°	40494
20°	39093
25°	37073
30°	33720
35°	26950
40°	17977
45°	12815
50°	10678
55°	9309
60°	8782
65°	8276
70°	7597
75°	7096
80°	6472
85°	5724



TEST NUMBER: P581607  
 CATALOG NUMBER: HCC6W10D010BZ-HM60525840-61MDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.1	6.4
10°-20°	200.3	17.7
20°-30°	280.0	24.8
30°-40°	246.6	21.8
40°-50°	133.2	11.8
50°-60°	89.1	7.9
60°-70°	63.1	5.6
70°-80°	35.5	3.1
80°-90°	10.4	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°	552.4	48.9
0°-40°	799.0	70.7
0°-60°	1021.3	90.4
0°-90°	1130.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1130.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	768	
5°	762	72
15°	714	200
25°	613	280
35°	403	247
45°	165	133
55°	97	89
65°	64	63
75°	34	36
85°	9	10
90°	0	



TEST NUMBER: P581607  
CATALOG NUMBER: HCC6W10D010BZ-HM60525840-61MDW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	767.6
2.5°	763.4
5°	761.8
7.5°	754.5
10°	740.6
12.5°	727.4
15°	713.5
17.5°	694.7
20°	670.1
22.5°	643.2
25°	612.9
27.5°	577.8
30°	532.7
32.5°	477.0
35°	402.7
37.5°	321.6
40°	251.2
42.5°	198.0
45°	165.3
47.5°	143.2
50°	125.2
52.5°	110.5
55°	97.4
57.5°	88.4
60°	80.1
62.5°	72.0
65°	63.8
67.5°	55.7
70°	47.4
72.5°	40.1
75°	33.5
77.5°	27.1
80°	20.5
82.5°	14.7
85°	9.1
87.5°	4.1
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)