

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: P581632

Luminaire Tested: **HCC6W10D010MB-HM60525927-61WDBB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581632  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W10D010MB-HM60525927-61WDBB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, BLACK BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

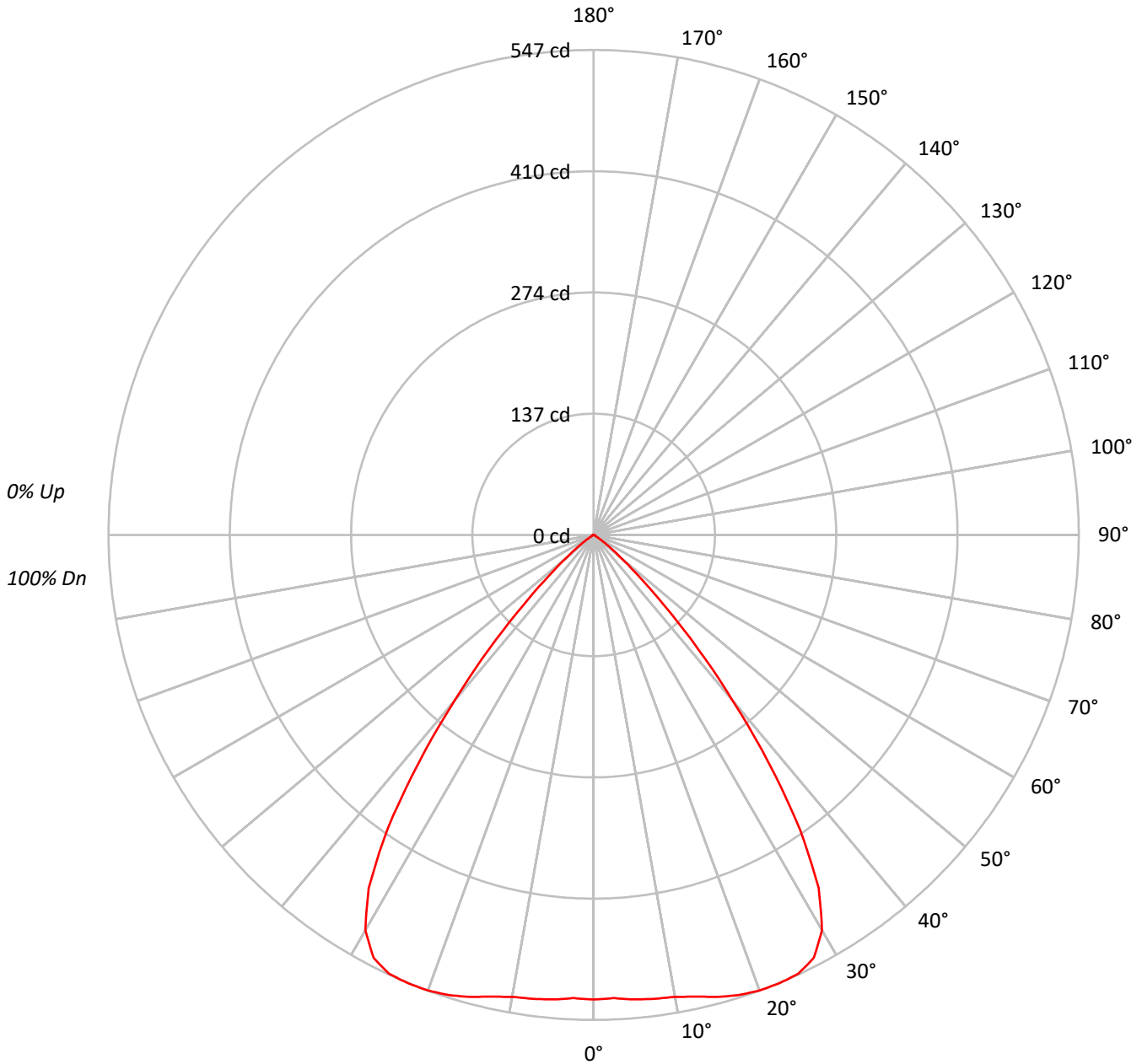
Lumens per Lamp: N/A  
Luminaire Lumens: 808.9 lumens  
Efficiency: N/A  
Efficacy: 81.7 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P581632  
CATALOG NUMBER: HCC6W10D010MB-HM60525927-61WDBB

### Luminous Intensity Polar Plot





TEST NUMBER: P581632  
 CATALOG NUMBER: HCC6W10D010MB-HM60525927-61WDBB

**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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92			
2	107	101	97	93	104	100	95	92	96	93	90	93	91	88	90	88	86	85			
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77			
4	95	86	80	75	93	85	79	75	83	78	74	81	77	73	79	75	72	71			
5	89	80	73	68	87	79	73	68	77	72	67	75	70	67	73	69	66	65			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59			
7	79	69	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54			
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50			
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46			
10	66	56	49	45	65	55	49	45	54	49	45	53	48	44	53	48	44	43			

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

	0°
0°	28726
5°	28940
10°	29447
15°	30613
20°	31899
25°	33032
30°	32587
35°	27151
40°	17418
45°	8699
50°	3446
55°	1166
60°	340
65°	233
70°	192
75°	254
80°	189
85°	0



TEST NUMBER: P581632  
 CATALOG NUMBER: HCC6W10D010MB-HM60525927-61WDBB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.3	6.2
10°-20°	153.0	18.9
20°-30°	249.8	30.9
30°-40°	244.8	30.3
40°-50°	93.9	11.6
50°-60°	13.8	1.7
60°-70°	2.0	0.3
70°-80°	1.0	0.1
80°-90°	0.2	0.0
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°	453.1	56.0
0°-40°	697.9	86.3
0°-60°	805.5	99.6
0°-90°	808.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	808.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	524	
5°	526	50
15°	539	153
25°	546	250
35°	406	245
45°	112	94
55°	12	14
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P581632  
CATALOG NUMBER: HCC6W10D010MB-HM60525927-61WDBB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	524.0
2.5°	522.9
5°	525.9
7.5°	527.7
10°	529.0
12.5°	533.3
15°	539.4
17.5°	544.3
20°	546.8
22.5°	547.3
25°	546.1
27.5°	537.6
30°	514.8
32.5°	471.9
35°	405.7
37.5°	324.2
40°	243.4
42.5°	173.4
45°	112.2
47.5°	68.6
50°	40.4
52.5°	23.3
55°	12.2
57.5°	5.5
60°	3.1
62.5°	2.5
65°	1.8
67.5°	1.8
70°	1.2
72.5°	1.2
75°	1.2
77.5°	0.6
80°	0.6
82.5°	0.6
85°	0.0
87.5°	0.0
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)