

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: P581624

Luminaire Tested: **HCC6S10D010MB-HM60525927-61MDH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581624  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-5)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S10D010MB-HM60525927-61MDH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

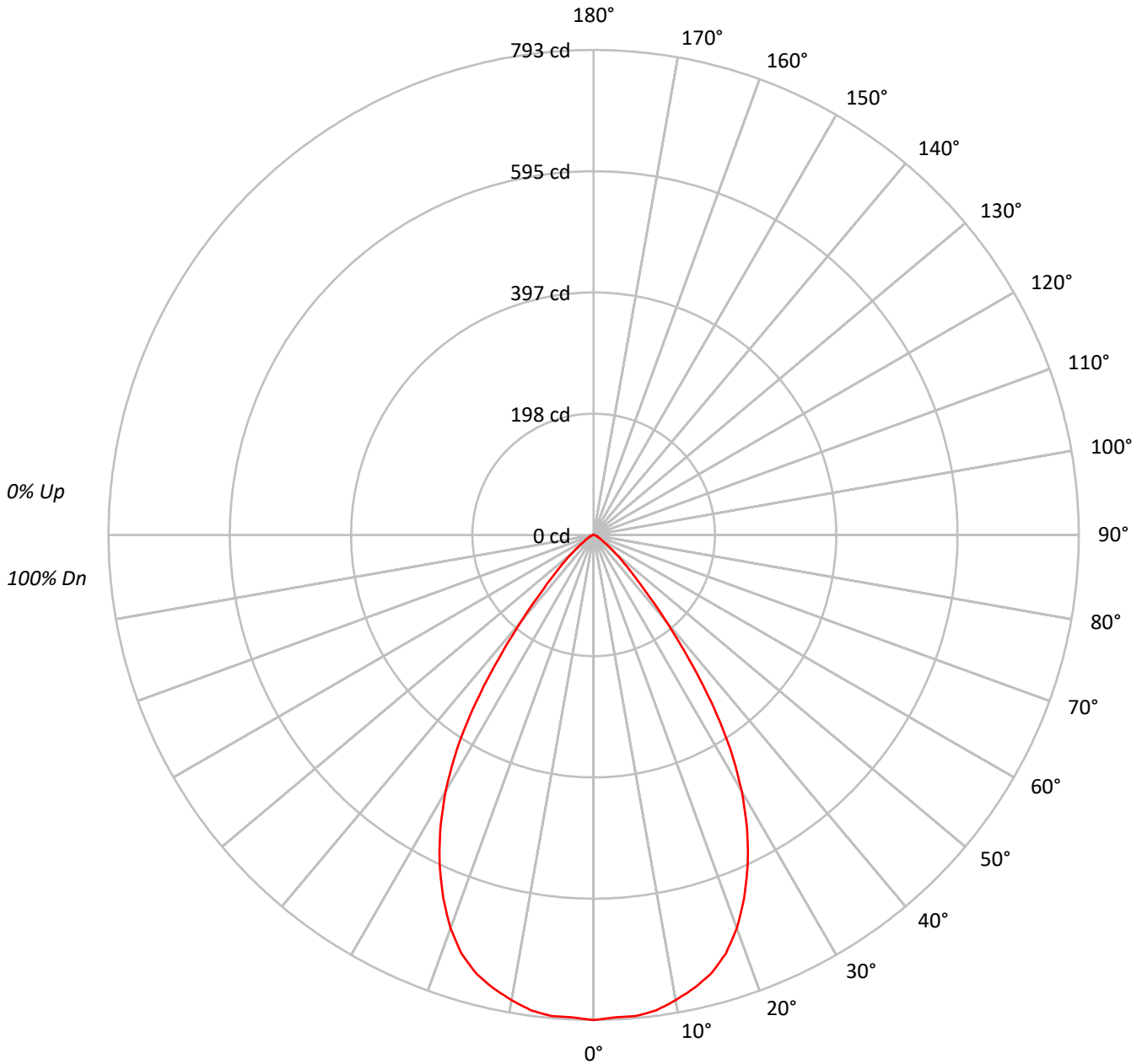
Lumens per Lamp: N/A  
Luminaire Lumens: 868.3 lumens  
Efficiency: N/A  
Efficacy: 87.7 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P581624  
CATALOG NUMBER: HCC6S10D010MB-HM60525927-61MDH

### Luminous Intensity Polar Plot





TEST NUMBER: P581624

CATALOG NUMBER: HCC6S10D010MB-HM60525927-61MDH

**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	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	94	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79	79	79	79
4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72	72	72	72
5	90	81	75	71	89	80	75	70	79	74	70	77	73	69	75	72	68	67	67	67	67
6	85	76	70	65	84	75	69	65	74	68	64	72	67	64	71	67	63	62	62	62	62
7	81	71	65	60	79	70	64	60	69	64	60	68	63	59	67	62	59	57	57	57	57
8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53	53	53	53
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50	50	50	50
10	69	59	53	49	68	58	52	48	57	52	48	57	52	48	56	51	48	47	47	47	47

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

	0°
0°	43489
5°	43457
10°	43002
15°	42140
20°	39915
25°	36044
30°	30619
35°	22607
40°	13074
45°	6939
50°	3923
55°	2055
60°	1338
65°	960
70°	689
75°	530
80°	379
85°	377



TEST NUMBER: P581624  
 CATALOG NUMBER: HCC6S10D010MB-HM60525927-61MDH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.8	8.6
10°-20°	207.7	23.9
20°-30°	271.0	31.2
30°-40°	207.1	23.9
40°-50°	75.0	8.6
50°-60°	21.8	2.5
60°-70°	7.8	0.9
70°-80°	2.7	0.3
80°-90°	0.5	0.1
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°	553.5	63.7
0°-40°	760.6	87.6
0°-60°	857.4	98.7
0°-90°	868.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	868.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	793	
5°	790	75
15°	742	208
25°	596	271
35°	338	207
45°	90	75
55°	22	22
65°	7	8
75°	2	3
85°	1	0
90°	0	



TEST NUMBER: P581624  
CATALOG NUMBER: HCC6S10D010MB-HM60525927-61MDH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	793.3
2.5°	789.7
5°	789.7
7.5°	784.1
10°	772.5
12.5°	759.0
15°	742.5
17.5°	717.9
20°	684.2
22.5°	642.5
25°	595.9
27.5°	543.2
30°	483.7
32.5°	416.9
35°	337.8
37.5°	255.0
40°	182.7
42.5°	126.3
45°	89.5
47.5°	64.4
50°	46.0
52.5°	32.5
55°	21.5
57.5°	15.3
60°	12.2
62.5°	9.8
65°	7.4
67.5°	6.1
70°	4.3
72.5°	3.1
75°	2.5
77.5°	1.8
80°	1.2
82.5°	0.6
85°	0.6
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)