

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: P581616

Luminaire Tested: **HCC6S10D010MW-HM60525840-61WDH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581616  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S10D010MW-HM60525840-61WDH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

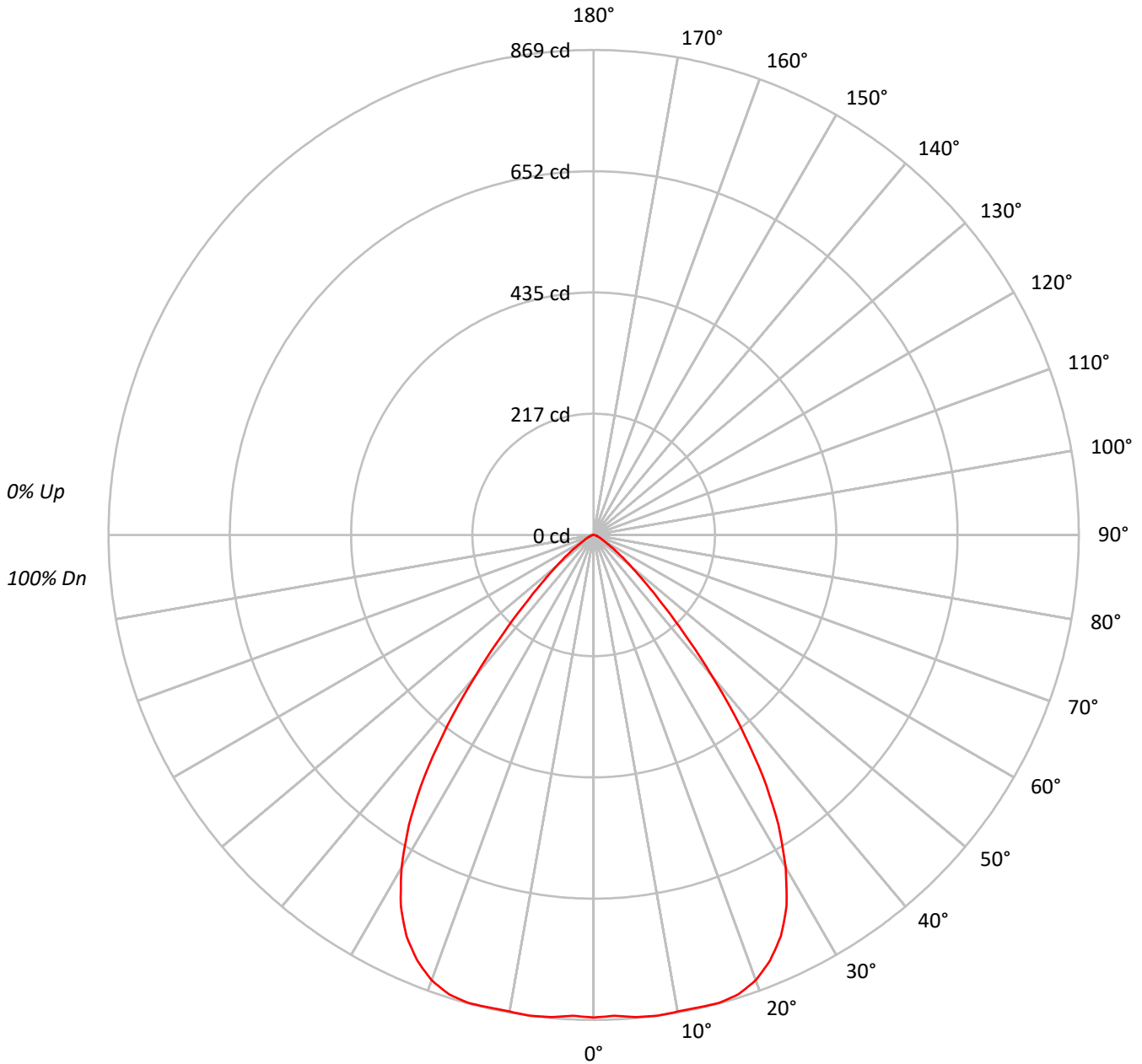
Lumens per Lamp: N/A  
Luminaire Lumens: 1210.5 lumens  
Efficiency: N/A  
Efficacy: 122.3 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P581616  
CATALOG NUMBER: HCC6S10D010MW-HM60525840-61WDH

### Luminous Intensity Polar Plot





TEST NUMBER: P581616  
 CATALOG NUMBER: HCC6S10D010MW-HM60525840-61WDH

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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	103	101	100	100	98	97	96	95	94	92		
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84		
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77		
4	94	86	79	75	92	85	79	74	82	77	73	80	76	72	78	75	72	70		
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64		
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59		
7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54		
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	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	45	53	48	44	43		

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

	0°
0°	47408
5°	47722
10°	48273
15°	49268
20°	49541
25°	47997
30°	43545
35°	35409
40°	23501
45°	13079
50°	7335
55°	4072
60°	2248
65°	1699
70°	1186
75°	868
80°	505
85°	503



TEST NUMBER: P581616  
 CATALOG NUMBER: HCC6S10D010MW-HM60525840-61WDH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.8	6.8
10°-20°	244.8	20.2
20°-30°	360.7	29.8
30°-40°	322.7	26.7
40°-50°	140.0	11.6
50°-60°	41.1	3.4
60°-70°	13.1	1.1
70°-80°	4.7	0.4
80°-90°	0.7	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°	688.3	56.9
0°-40°	1010.9	83.5
0°-60°	1192.1	98.5
0°-90°	1210.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1210.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	865	
5°	867	83
15°	868	245
25°	794	361
35°	529	323
45°	169	140
55°	43	41
65°	13	13
75°	4	5
85°	1	1
90°	0	



TEST NUMBER: P581616  
CATALOG NUMBER: HCC6S10D010MW-HM60525840-61WDH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	864.8
2.5°	862.4
5°	867.2
7.5°	868.9
10°	867.2
12.5°	867.2
15°	868.1
17.5°	863.1
20°	849.2
22.5°	825.5
25°	793.5
27.5°	748.5
30°	687.9
32.5°	615.8
35°	529.1
37.5°	429.9
40°	328.4
42.5°	240.0
45°	168.7
47.5°	120.3
50°	86.0
52.5°	61.5
55°	42.6
57.5°	28.6
60°	20.5
62.5°	16.4
65°	13.1
67.5°	9.8
70°	7.4
72.5°	5.8
75°	4.1
77.5°	3.3
80°	1.6
82.5°	0.8
85°	0.8
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)