

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: P581561

Luminaire Tested: **HCC6W10D010MB-HM60525827-61WDC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581561  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W10D010MB-HM60525827-61WDC  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

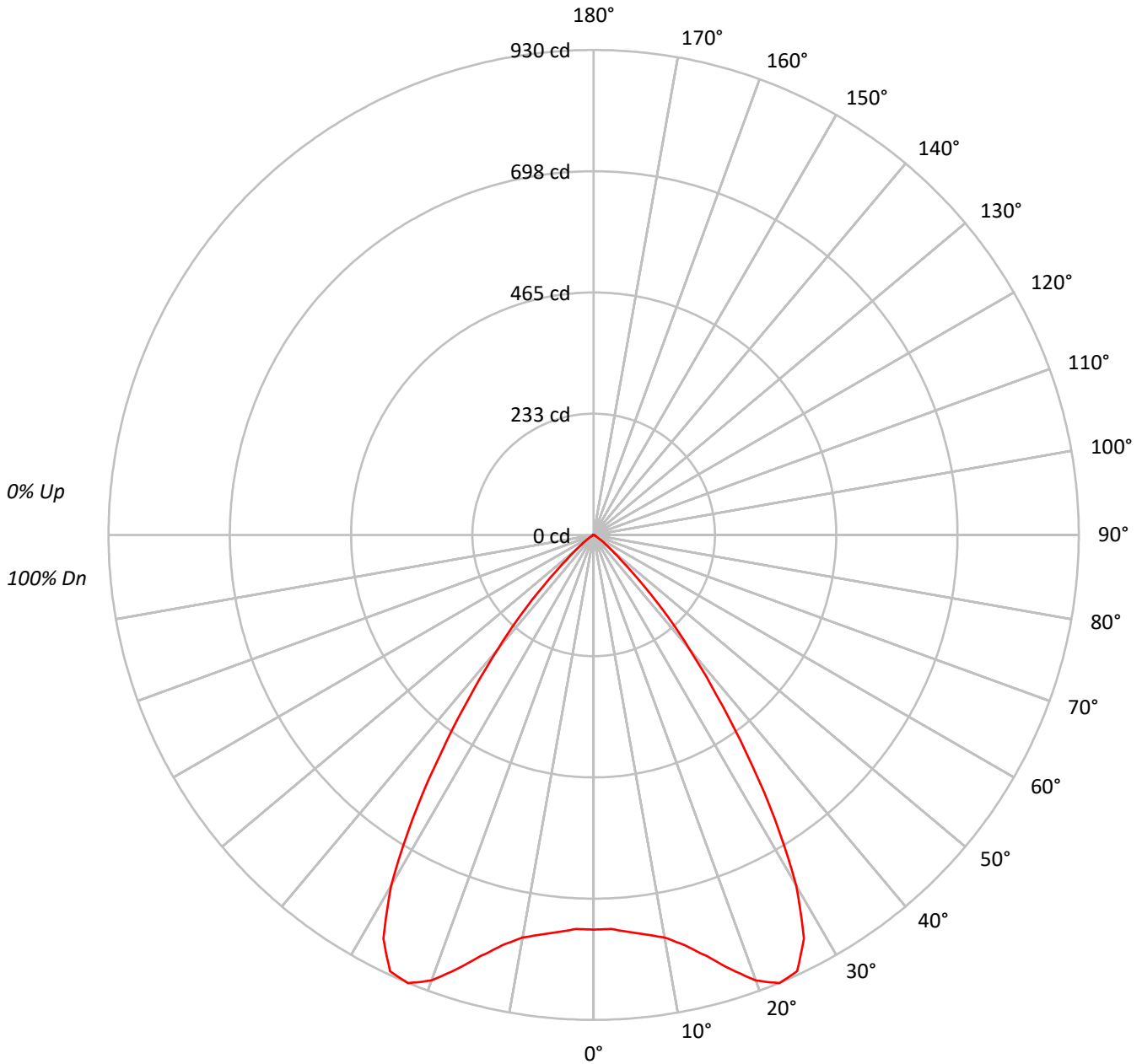
Lumens per Lamp: N/A  
Luminaire Lumens: 1170.4 lumens  
Efficiency: N/A  
Efficacy: 118.2 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.09  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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



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### Luminous Intensity Polar Plot





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**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	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93																			
2	107	102	97	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85																			
3	101	94	89	85	99	93	88	84	90	86	82	88	84	81	85	82	80	78																			
4	95	87	81	77	93	86	80	76	84	79	75	82	78	74	80	76	74	72																			
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56																			
8	76	65	59	54	74	65	59	54	64	58	54	62	57	54	61	57	53	52																			
9	71	61	55	50	70	60	54	50	60	54	50	59	53	50	58	53	50	48																			
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	50	46	45																			

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

	0°
0°	41499
5°	42054
10°	43631
15°	47446
20°	53047
25°	55836
30°	49159
35°	34097
40°	20360
45°	9683
50°	3650
55°	1529
60°	471
65°	376
70°	240
75°	148
80°	221
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.5	6.3
10°-20°	240.1	20.5
20°-30°	411.4	35.1
30°-40°	319.5	27.3
40°-50°	105.6	9.0
50°-60°	16.2	1.4
60°-70°	2.9	0.2
70°-80°	1.1	0.1
80°-90°	0.3	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°	725.0	61.9
0°-40°	1044.4	89.2
0°-60°	1166.2	99.6
0°-90°	1170.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1170.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	757	
5°	764	74
15°	836	240
25°	923	411
35°	510	319
45°	125	106
55°	16	16
65°	3	3
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	757.0
2.5°	756.2
5°	764.2
7.5°	772.9
10°	783.8
12.5°	805.5
15°	836.0
17.5°	873.0
20°	909.3
22.5°	930.4
25°	923.1
27.5°	873.0
30°	776.6
32.5°	646.6
35°	509.5
37.5°	386.8
40°	284.5
42.5°	201.0
45°	124.9
47.5°	69.6
50°	42.8
52.5°	26.1
55°	16.0
57.5°	8.0
60°	4.3
62.5°	3.6
65°	2.9
67.5°	2.2
70°	1.5
72.5°	1.5
75°	0.7
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.0
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)