

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: P593026

Luminaire Tested: **HCC6W07D010MW-HM60525850-61NDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593026  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W07D010MW-HM60525850-61NDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

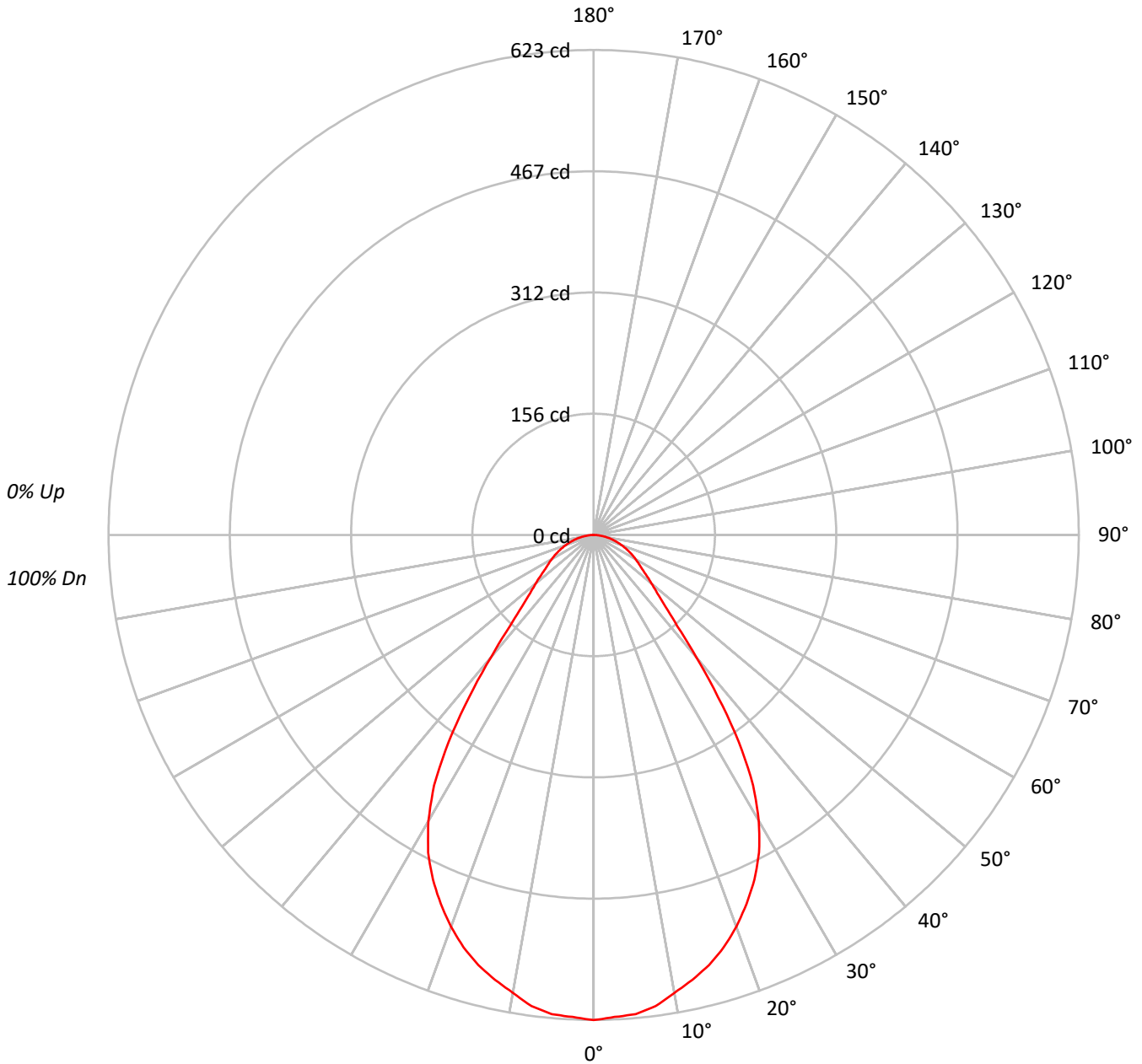
Lumens per Lamp: N/A  
Luminaire Lumens: 901.9 lumens  
Efficiency: N/A  
Efficacy: 112.7 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 8  
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				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
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79			79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52			52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48			48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44			44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41			41
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			38

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

	0°
0°	34164
5°	34003
10°	33249
15°	32475
20°	31252
25°	29548
30°	26859
35°	21737
40°	14656
45°	10079
50°	8256
55°	7226
60°	6831
65°	6447
70°	6059
75°	5761
80°	5209
85°	4592



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.3	6.5
10°-20°	160.7	17.8
20°-30°	223.2	24.7
30°-40°	198.7	22.0
40°-50°	105.5	11.7
50°-60°	69.0	7.7
60°-70°	49.4	5.5
70°-80°	28.7	3.2
80°-90°	8.4	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°	442.2	49.0
0°-40°	641.0	71.1
0°-60°	815.5	90.4
0°-90°	901.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	901.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	623	
5°	618	58
15°	572	161
25°	488	223
35°	325	199
45°	130	106
55°	76	69
65°	50	49
75°	27	29
85°	7	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	623.2
2.5°	619.9
5°	617.9
7.5°	610.6
10°	597.3
12.5°	585.4
15°	572.2
17.5°	555.5
20°	535.7
22.5°	513.1
25°	488.5
27.5°	460.1
30°	424.3
32.5°	381.3
35°	324.8
37.5°	262.5
40°	204.8
42.5°	159.1
45°	130.0
47.5°	110.7
50°	96.8
52.5°	85.5
55°	75.6
57.5°	68.3
60°	62.3
62.5°	56.3
65°	49.7
67.5°	43.7
70°	37.8
72.5°	32.5
75°	27.2
77.5°	21.9
80°	16.5
82.5°	11.9
85°	7.3
87.5°	3.3
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)