

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: P583308

Luminaire Tested: **HCC6W07D010BZ-HM60525830-61WDH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P583308  
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: HCC6W07D010BZ-HM60525830-61WDH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

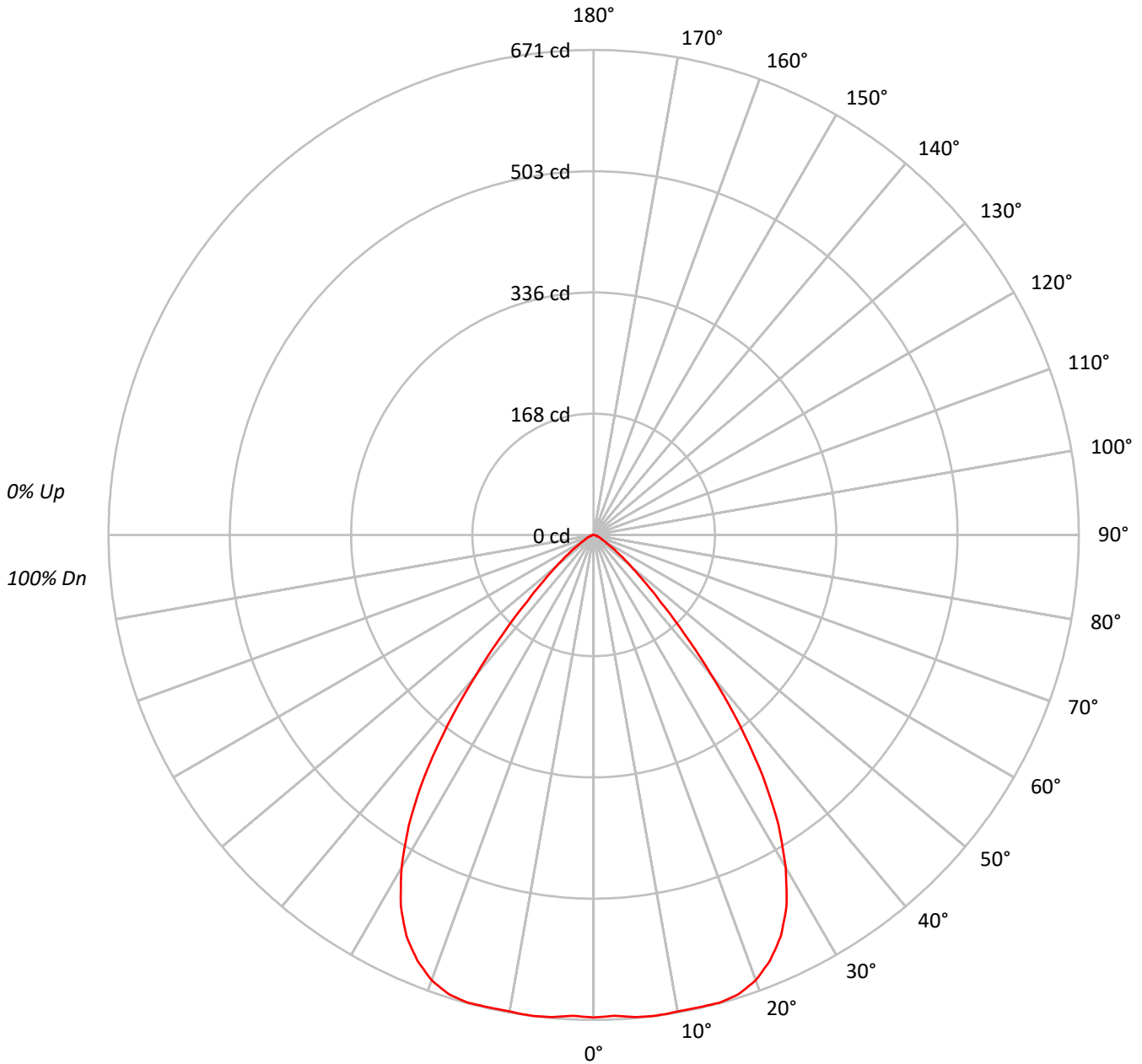
Lumens per Lamp: N/A  
Luminaire Lumens: 934.7 lumens  
Efficiency: N/A  
Efficacy: 116.8 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 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									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	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	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°	36603
5°	36848
10°	37274
15°	38037
20°	38252
25°	37055
30°	33625
35°	27331
40°	18148
45°	10102
50°	5663
55°	3144
60°	1743
65°	1310
70°	914
75°	678
80°	379
85°	440



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.9	6.8
10°-20°	189.0	20.2
20°-30°	278.5	29.8
30°-40°	249.1	26.7
40°-50°	108.1	11.6
50°-60°	31.8	3.4
60°-70°	10.2	1.1
70°-80°	3.6	0.4
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°	531.4	56.9
0°-40°	780.6	83.5
0°-60°	920.4	98.5
0°-90°	934.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	934.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	668	
5°	670	64
15°	670	189
25°	613	279
35°	408	249
45°	130	108
55°	33	32
65°	10	10
75°	3	4
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	667.7
2.5°	665.8
5°	669.6
7.5°	670.8
10°	669.6
12.5°	669.6
15°	670.2
17.5°	666.4
20°	655.7
22.5°	637.3
25°	612.6
27.5°	577.9
30°	531.2
32.5°	475.5
35°	408.4
37.5°	332.0
40°	253.6
42.5°	185.2
45°	130.3
47.5°	92.9
50°	66.4
52.5°	47.5
55°	32.9
57.5°	22.1
60°	15.9
62.5°	12.7
65°	10.1
67.5°	7.6
70°	5.7
72.5°	4.4
75°	3.2
77.5°	2.5
80°	1.2
82.5°	0.7
85°	0.7
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)