

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: P581867

Luminaire Tested: **HCC6W20D010BZ-HM60525830-61WDC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581867  
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: HCC6W20D010BZ-HM60525830-61WDC  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

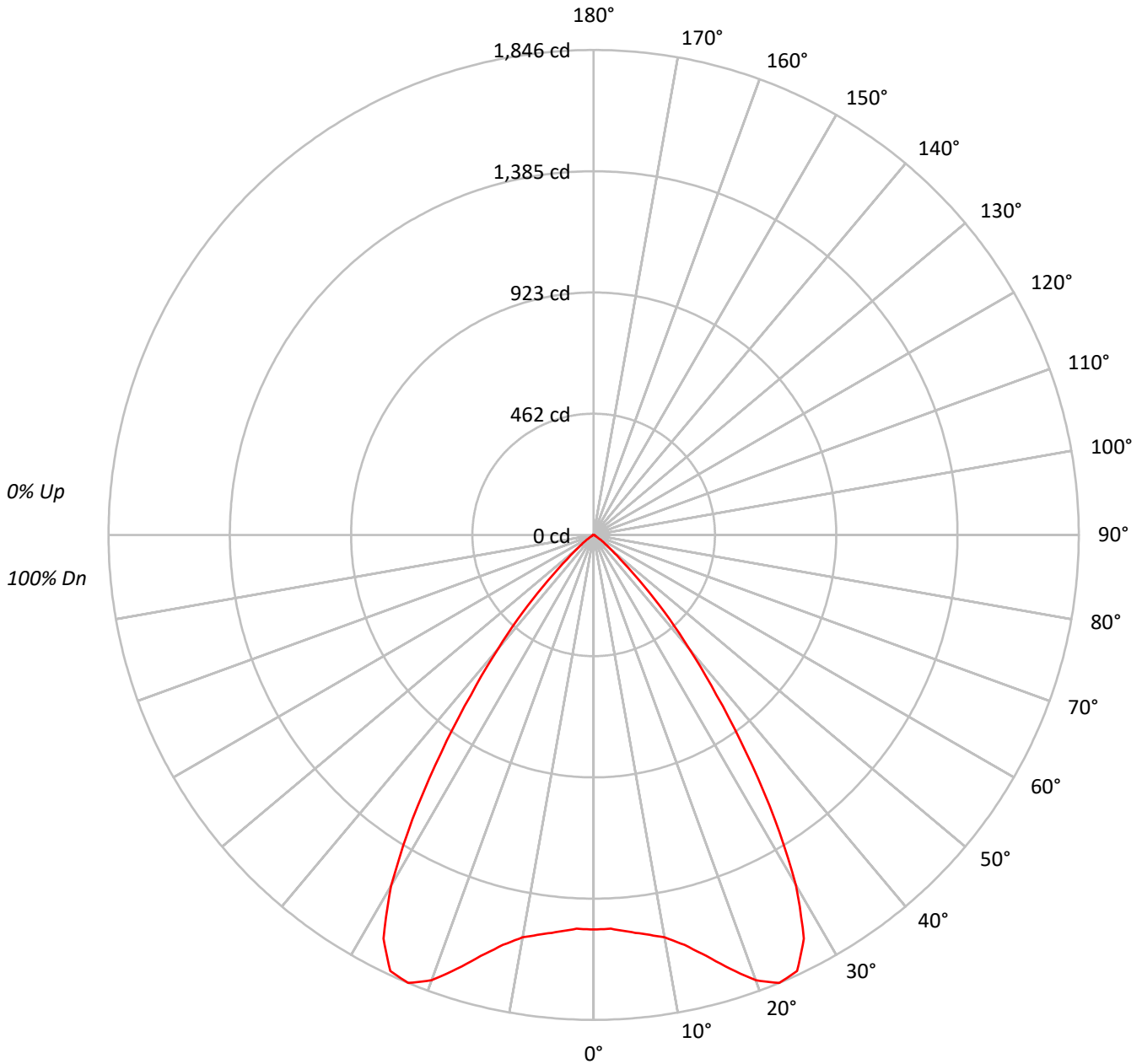
Lumens per Lamp: N/A  
Luminaire Lumens: 2322.1 lumens  
Efficiency: N/A  
Efficacy: 116.1 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.09  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 20  
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°	82323
5°	83430
10°	86555
15°	94132
20°	105242
25°	110777
30°	97515
35°	67639
40°	40383
45°	19204
50°	7249
55°	3030
60°	943
65°	752
70°	449
75°	318
80°	474
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.9	6.3
10°-20°	476.3	20.5
20°-30°	816.1	35.1
30°-40°	633.8	27.3
40°-50°	209.5	9.0
50°-60°	32.1	1.4
60°-70°	5.7	0.2
70°-80°	2.1	0.1
80°-90°	0.6	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°	1438.2	61.9
0°-40°	2072.0	89.2
0°-60°	2313.7	99.6
0°-90°	2322.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2322.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1502	
5°	1516	146
15°	1659	476
25°	1831	816
35°	1011	634
45°	248	210
55°	32	32
65°	6	6
75°	2	2
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1501.7
2.5°	1500.2
5°	1516.1
7.5°	1533.3
10°	1554.9
12.5°	1598.1
15°	1658.6
17.5°	1732.0
20°	1804.0
22.5°	1845.8
25°	1831.4
27.5°	1732.0
30°	1540.5
32.5°	1282.8
35°	1010.7
37.5°	767.4
40°	564.3
42.5°	398.8
45°	247.7
47.5°	138.2
50°	85.0
52.5°	51.8
55°	31.7
57.5°	15.9
60°	8.6
62.5°	7.3
65°	5.8
67.5°	4.3
70°	2.8
72.5°	2.8
75°	1.5
77.5°	1.5
80°	1.5
82.5°	1.5
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)