

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: P584280

Luminaire Tested: **HCC8W30D010SL-HM82555835-81WDH**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P584280  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 10/21/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC8W30D010SL-HM82555835-81WDH  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

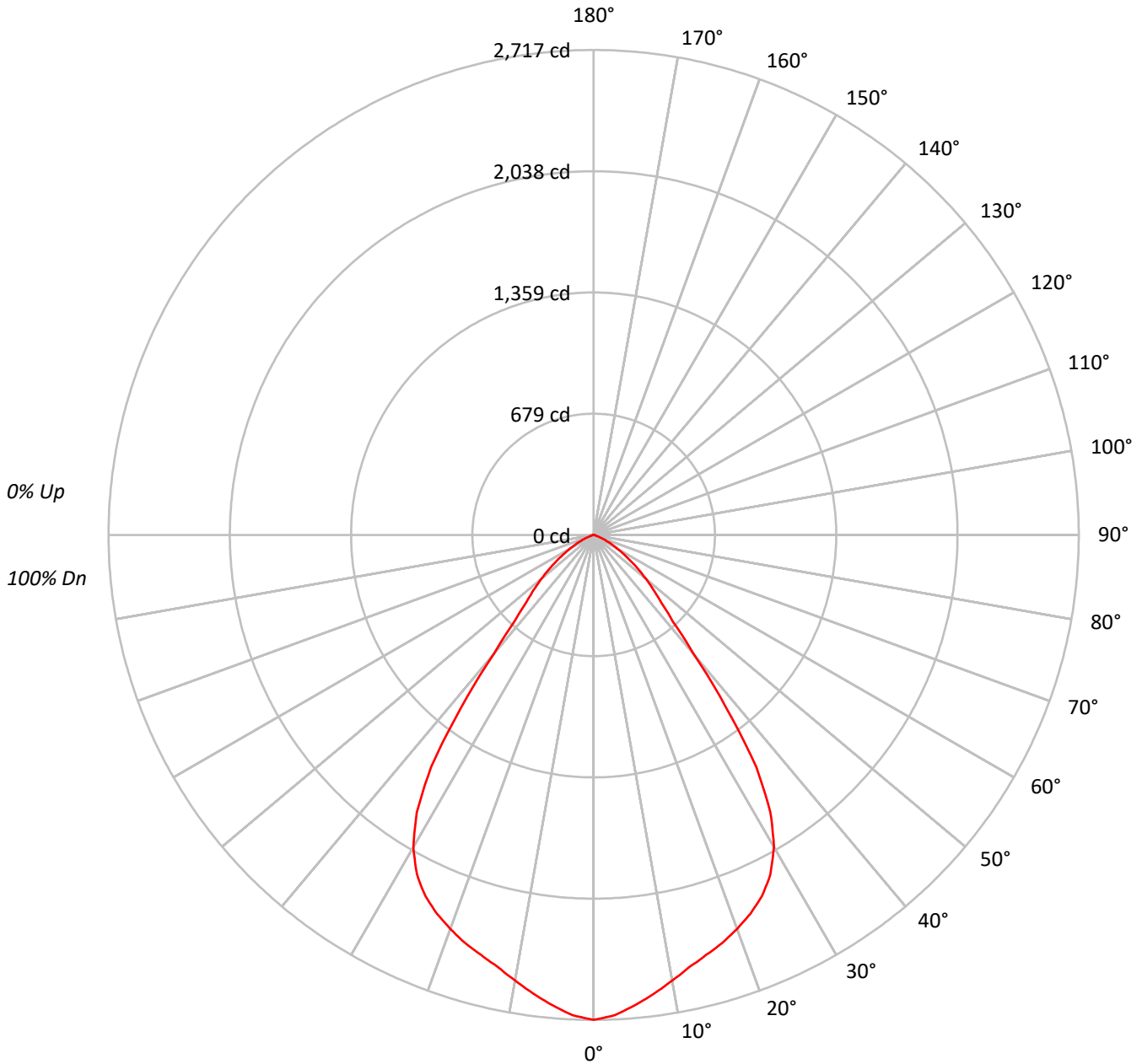
Lumens per Lamp: N/A  
Luminaire Lumens: 3659.1 lumens  
Efficiency: N/A  
Efficacy: 130.7 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 28  
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				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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92				92
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83				83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75				75
4	93	84	78	73	91	83	77	72	81	76	72	79	74	71	77	73	70	68				68
5	87	78	71	66	86	77	70	66	75	69	65	73	68	64	71	67	64	62				62
6	82	72	65	60	80	71	64	60	69	64	59	68	63	59	66	62	58	57				57
7	77	67	60	55	76	66	59	55	64	59	54	63	58	54	62	57	54	52				52
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48				48
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44				44
10	65	54	47	43	64	53	47	43	53	47	43	52	46	43	51	46	42	41				41

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

	0°
0°	83770
5°	81883
10°	79373
15°	77767
20°	77067
25°	75918
30°	71911
35°	59749
40°	35190
45°	23270
50°	18316
55°	13483
60°	9362
65°	5706
70°	2488
75°	1096
80°	817
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	249.1	6.8
10°-20°	688.7	18.8
20°-30°	1020.3	27.9
30°-40°	942.8	25.8
40°-50°	434.7	11.9
50°-60°	228.6	6.2
60°-70°	80.8	2.2
70°-80°	12.7	0.3
80°-90°	1.2	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°	1958.1	53.5
0°-40°	2901.0	79.3
0°-60°	3564.3	97.4
0°-90°	3659.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3659.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2717	
5°	2645	249
15°	2436	689
25°	2231	1020
35°	1587	943
45°	534	435
55°	251	229
65°	78	81
75°	9	13
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2716.6
2.5°	2693.6
5°	2645.3
7.5°	2592.4
10°	2534.9
12.5°	2479.7
15°	2436.0
17.5°	2396.9
20°	2348.5
22.5°	2295.7
25°	2231.3
27.5°	2143.9
30°	2019.6
32.5°	1842.5
35°	1587.2
37.5°	1219.2
40°	874.2
42.5°	655.6
45°	533.6
47.5°	453.1
50°	381.8
52.5°	312.8
55°	250.8
57.5°	197.8
60°	151.8
62.5°	115.0
65°	78.2
67.5°	46.0
70°	27.6
72.5°	16.1
75°	9.2
77.5°	6.9
80°	4.6
82.5°	2.3
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)