

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: P583792

Luminaire Tested: **HCC8S10D010BZ-HM80520930-81WDW**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P583792  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 10/21/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC8S10D010BZ-HM80520930-81WDW  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

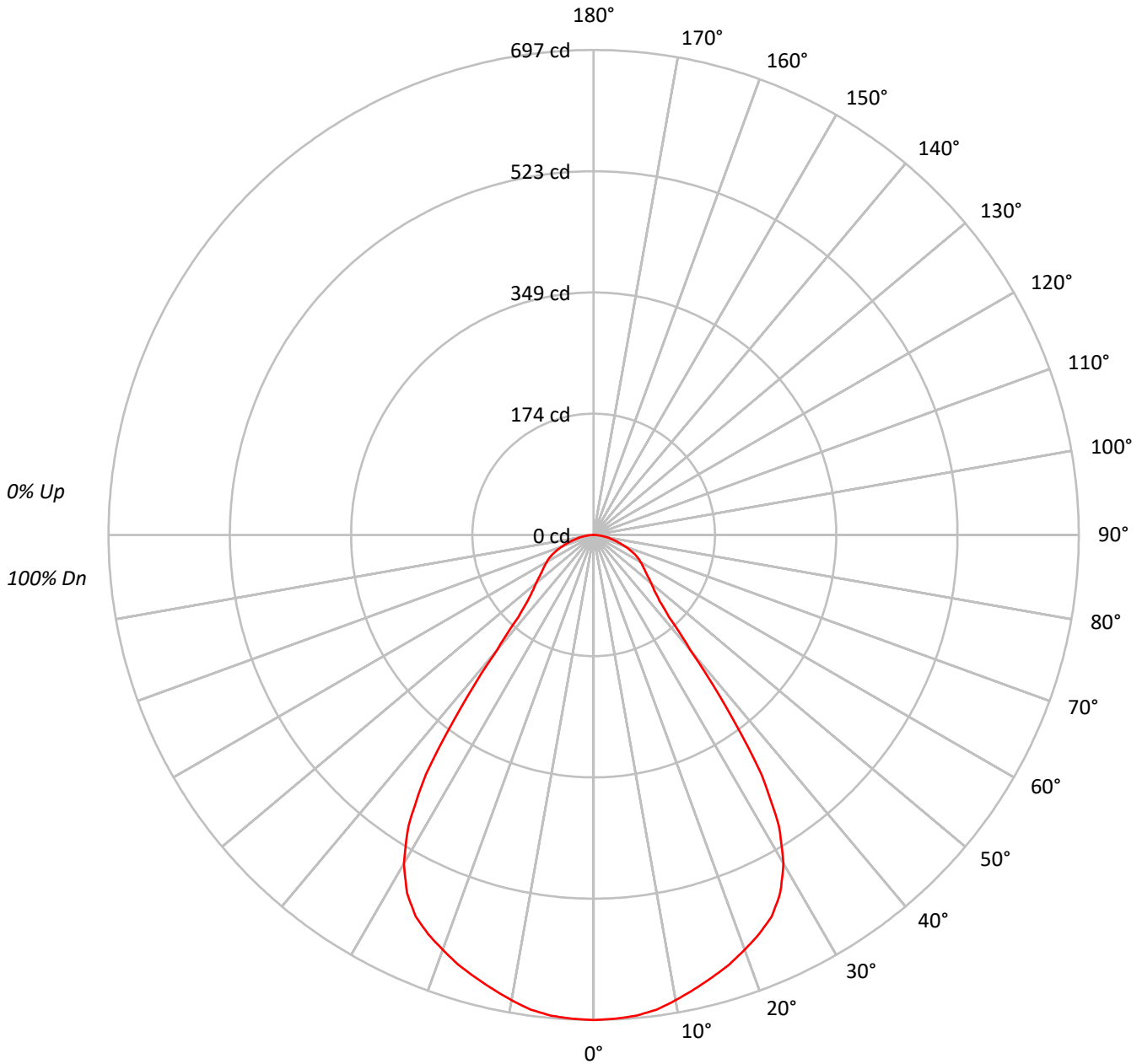
Lumens per Lamp: N/A  
Luminaire Lumens: 1075.6 lumens  
Efficiency: N/A  
Efficacy: 108.6 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.06  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

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				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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94	92	91	89
2	104	97	92	87	101	95	90	86	92	88	84		89	85	82		86	83	81	79
3	97	88	82	76	94	87	81	76	84	79	75		81	77	73		79	75	72	70
4	90	80	73	68	88	79	73	67	77	71	67		75	70	66		73	68	65	63
5	84	74	66	61	82	73	66	61	71	65	60		69	64	59		67	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55		64	58	54		62	58	54	52
7	74	63	56	50	73	62	55	50	61	54	50		59	54	50		58	53	49	48
8	70	58	51	46	69	58	51	46	57	50	46		55	50	46		54	49	45	44
9	66	54	47	43	65	54	47	42	53	47	42		52	46	42		51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39		49	43	39		48	43	39	37

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

	0°
0°	21502
5°	21476
10°	21264
15°	21009
20°	20815
25°	20585
30°	19416
35°	15814
40°	8739
45°	5835
50°	5171
55°	4855
60°	4798
65°	4750
70°	4292
75°	3836
80°	3356
85°	2972



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.8	6.1
10°-20°	185.8	17.3
20°-30°	276.1	25.7
30°-40°	248.7	23.1
40°-50°	110.2	10.2
50°-60°	81.6	7.6
60°-70°	63.5	5.9
70°-80°	34.4	3.2
80°-90°	9.4	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°	527.7	49.1
0°-40°	776.4	72.2
0°-60°	968.3	90.0
0°-90°	1075.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1075.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	697	
5°	694	66
15°	658	186
25°	605	276
35°	420	249
45°	134	110
55°	90	82
65°	65	63
75°	32	34
85°	8	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	697.3
2.5°	696.0
5°	693.8
7.5°	688.3
10°	679.1
12.5°	668.7
15°	658.1
17.5°	647.6
20°	634.3
22.5°	621.1
25°	605.0
27.5°	580.4
30°	545.3
32.5°	495.0
35°	420.1
37.5°	313.6
40°	217.1
42.5°	160.3
45°	133.8
47.5°	118.3
50°	107.8
52.5°	98.0
55°	90.3
57.5°	84.0
60°	77.8
62.5°	72.1
65°	65.1
67.5°	56.7
70°	47.6
72.5°	39.9
75°	32.2
77.5°	25.2
80°	18.9
82.5°	13.3
85°	8.4
87.5°	3.5
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)