

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: P585044

Luminaire Tested: **HCC8S55D010MW-HM82555940-81WDC**

Issue Date: 10/21/2021

### Test Information

Test Method: LM-41-14  
 Report Number: P585044  
 TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-7)  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Issue Date: 10/21/2021  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: HALO COMMERCIAL  
 Catalog Number: HCC8S55D010MW-HM82555940-81WDC  
 Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, SPECULAR TRIM  
 Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT CYLINDER  
 Ballast/Driver: ELECTRONIC DRIVER

### Summary

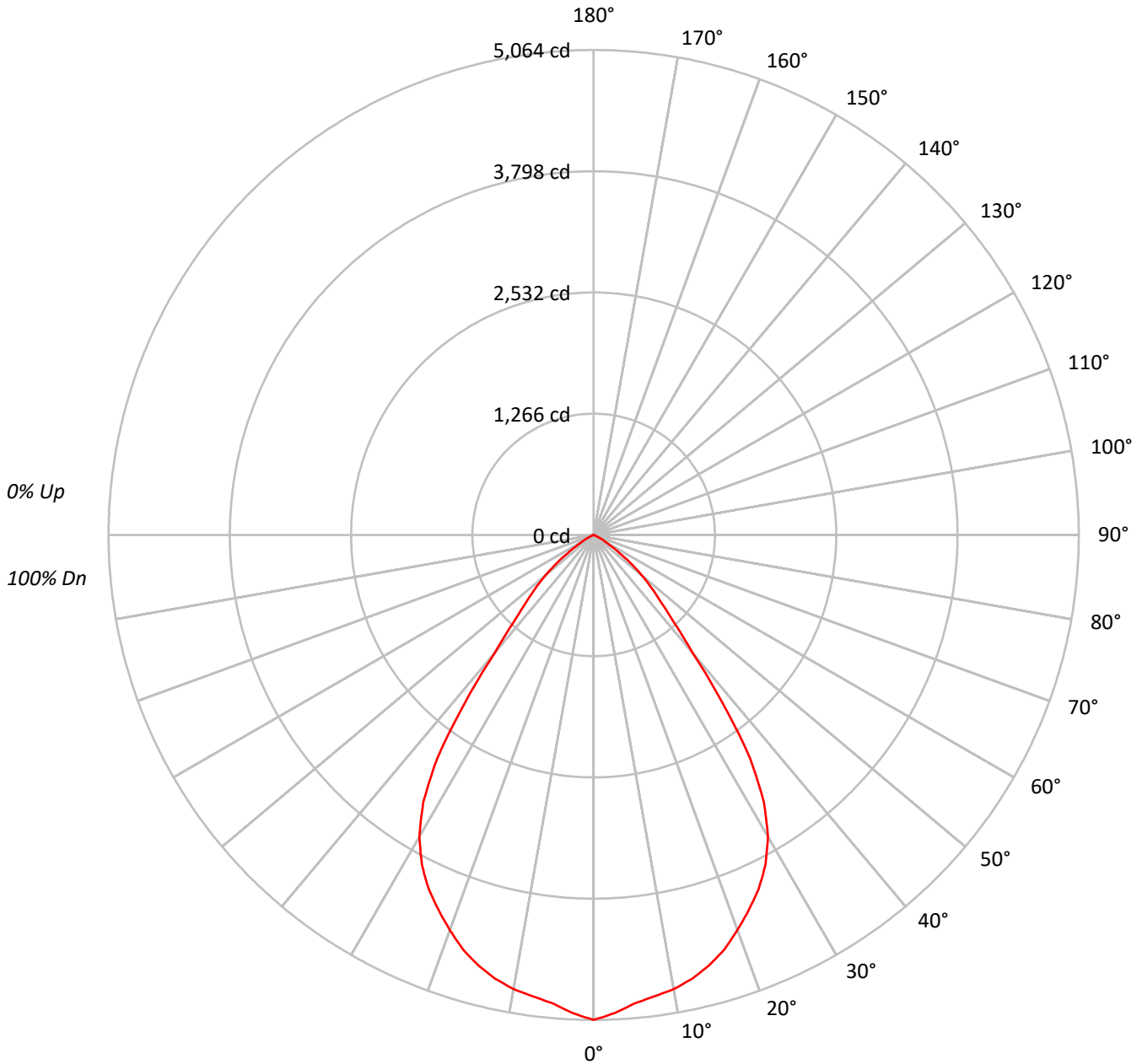
Lumens per Lamp: N/A  
 Luminaire Lumens: 6508.9 lumens  
 Efficiency: N/A  
 Efficacy: 125.2 lumens/watt  
 Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.05  
 Luminous Opening: Circular (Dia: 0.67' x H: 0')  
 CIE Type: Direct

Input Watts (W): 52  
 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									50									30									10									0									0									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	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	100	98	97	96	95	94	92	92	92	92	92	92	92	92																					
	1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92																					
	2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84	84	84	83	79	84	81	78	77	77	77	77	77	77	77	77																					
	3	100	93	87	83	98	91	86	82	89	84	81	86	83	79	84	81	78	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77																				
	4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	71	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70																				
	5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64																			
	6	83	73	66	62	82	72	66	61	71	65	61	69	64	61	68	64	60	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59																			
	7	78	68	61	57	77	67	61	56	66	60	56	65	60	56	63	59	55	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54																			
	8	74	63	57	52	73	63	56	52	62	56	52	60	55	51	59	55	51	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50																			
	9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46																		
	10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43																		

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

	0°
0°	156161
5°	151963
10°	150805
15°	148559
20°	144059
25°	138689
30°	129551
35°	107203
40°	64728
45°	43596
50°	31413
55°	17913
60°	7888
65°	2831
70°	1046
75°	465
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	466.4	7.2
10°-20°	1307.8	20.1
20°-30°	1865.6	28.7
30°-40°	1698.8	26.1
40°-50°	801.4	12.3
50°-60°	315.1	4.8
60°-70°	50.2	0.8
70°-80°	3.6	0.1
80°-90°	0.0	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°	3639.8	55.9
0°-40°	5338.6	82.0
0°-60°	6455.1	99.2
0°-90°	6508.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6508.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5064	
5°	4909	466
15°	4654	1308
25°	4076	1866
35°	2848	1699
45°	1000	801
55°	333	315
65°	39	50
75°	4	4
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5064.2
2.5°	4998.3
5°	4909.3
7.5°	4858.9
10°	4816.2
12.5°	4746.5
15°	4653.5
17.5°	4537.3
20°	4390.0
22.5°	4235.0
25°	4076.2
27.5°	3882.5
30°	3638.4
32.5°	3309.0
35°	2847.8
37.5°	2200.8
40°	1608.0
42.5°	1236.0
45°	999.7
47.5°	821.5
50°	654.8
52.5°	492.1
55°	333.2
57.5°	209.2
60°	127.9
62.5°	77.5
65°	38.8
67.5°	19.3
70°	11.6
72.5°	3.9
75°	3.9
77.5°	0.0
80°	0.0
82.5°	0.0
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)