

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: P581556

Luminaire Tested: **HCC6S10D010BZ-HM60525827-61NDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581556  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S10D010BZ-HM60525827-61NDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

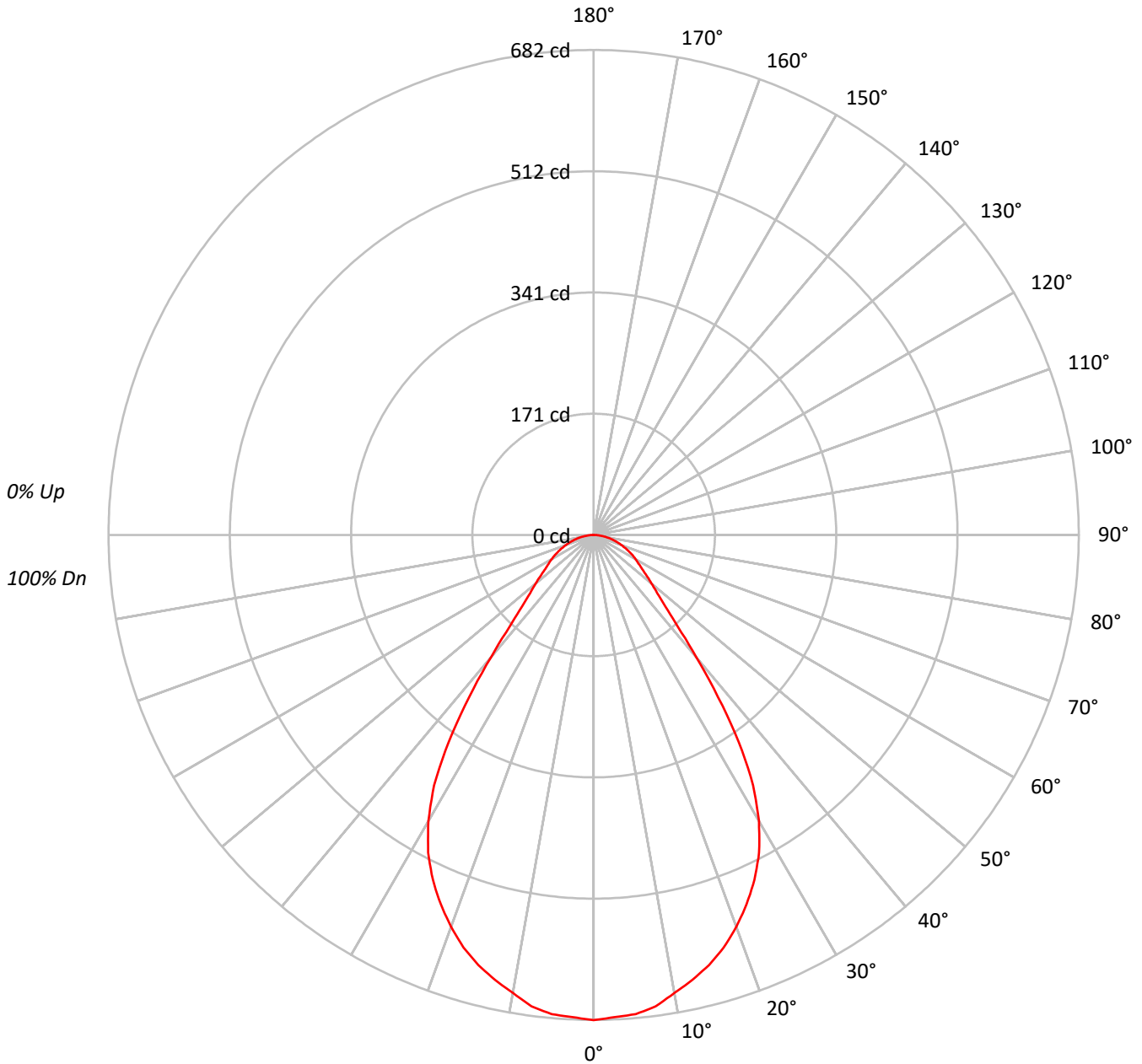
Lumens per Lamp: N/A  
Luminaire Lumens: 987.5 lumens  
Efficiency: N/A  
Efficacy: 99.7 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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	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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79			79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52			52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48			48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44			44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41			41
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			38

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

	0°
0°	37409
5°	37228
10°	36411
15°	35551
20°	34215
25°	32361
30°	29410
35°	23805
40°	16044
45°	11032
50°	9040
55°	7904
60°	7488
65°	7057
70°	6636
75°	6312
80°	5714
85°	5032



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.9	6.5
10°-20°	175.9	17.8
20°-30°	244.4	24.7
30°-40°	217.6	22.0
40°-50°	115.5	11.7
50°-60°	75.5	7.6
60°-70°	54.1	5.5
70°-80°	31.4	3.2
80°-90°	9.2	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°	484.2	49.0
0°-40°	701.8	71.1
0°-60°	892.8	90.4
0°-90°	987.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	987.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	682	
5°	676	64
15°	626	176
25°	535	244
35°	356	218
45°	142	116
55°	83	76
65°	54	54
75°	30	31
85°	8	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	682.4
2.5°	678.7
5°	676.5
7.5°	668.6
10°	654.1
12.5°	640.9
15°	626.4
17.5°	608.3
20°	586.5
22.5°	561.8
25°	535.0
27.5°	503.7
30°	464.6
32.5°	417.4
35°	355.7
37.5°	287.4
40°	224.2
42.5°	174.2
45°	142.3
47.5°	121.2
50°	106.0
52.5°	93.6
55°	82.7
57.5°	74.7
60°	68.3
62.5°	61.7
65°	54.4
67.5°	47.9
70°	41.4
72.5°	35.5
75°	29.8
77.5°	24.0
80°	18.1
82.5°	13.0
85°	8.0
87.5°	3.6
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)