

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: P582948

Luminaire Tested: **HCC6S05D010BZ-HM60525930-61WDH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582948  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S05D010BZ-HM60525930-61WDH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

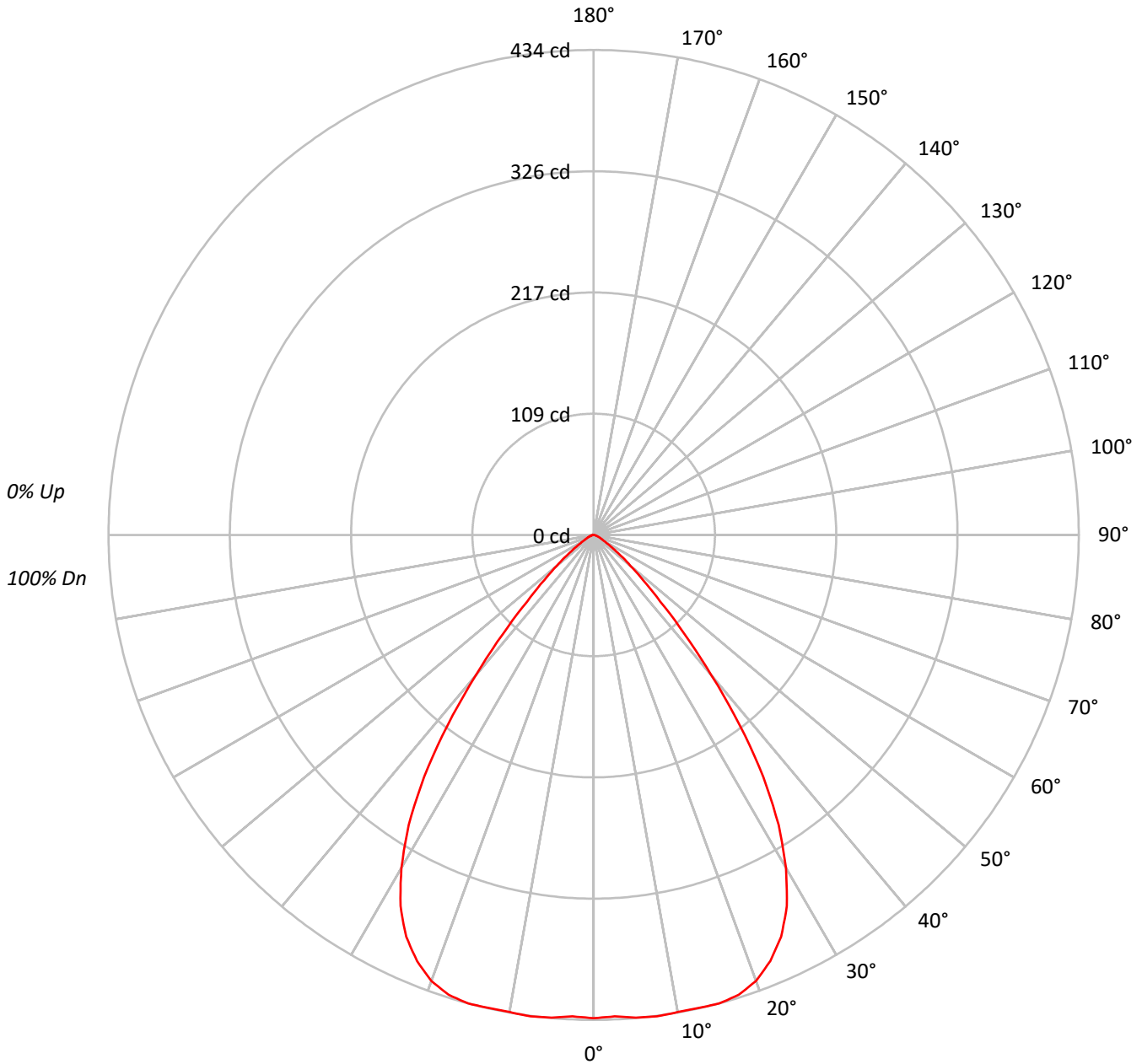
Lumens per Lamp: N/A  
Luminaire Lumens: 605.2 lumens  
Efficiency: N/A  
Efficacy: 100.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 6  
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		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	113	110	107	105	110	108	105	103	103	101	100	100	98	97	96	95	94	92	92
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84	84
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77	77
4	94	86	79	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70	70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64	64
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59	59
7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50	50
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43	43

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

	0°
0°	23710
5°	23861
10°	24137
15°	24631
20°	24776
25°	23995
30°	21776
35°	17701
40°	11751
45°	6536
50°	3659
55°	2026
60°	1129
65°	856
70°	593
75°	424
80°	253
85°	314



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.4	6.8
10°-20°	122.4	20.2
20°-30°	180.4	29.8
30°-40°	161.3	26.7
40°-50°	70.0	11.6
50°-60°	20.6	3.4
60°-70°	6.6	1.1
70°-80°	2.3	0.4
80°-90°	0.4	0.1
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°	344.2	56.9
0°-40°	505.5	83.5
0°-60°	596.0	98.5
0°-90°	605.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	605.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	432	
5°	434	41
15°	434	122
25°	397	180
35°	264	161
45°	84	70
55°	21	21
65°	7	7
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	432.5
2.5°	431.2
5°	433.6
7.5°	434.5
10°	433.6
12.5°	433.6
15°	434.0
17.5°	431.5
20°	424.7
22.5°	412.8
25°	396.7
27.5°	374.3
30°	344.0
32.5°	307.9
35°	264.5
37.5°	214.9
40°	164.2
42.5°	120.0
45°	84.3
47.5°	60.2
50°	42.9
52.5°	30.7
55°	21.2
57.5°	14.4
60°	10.3
62.5°	8.1
65°	6.6
67.5°	4.9
70°	3.7
72.5°	2.8
75°	2.0
77.5°	1.6
80°	0.8
82.5°	0.5
85°	0.5
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)