

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: P582532

Luminaire Tested: **HCC6W40D010SL-HM63040935-61WDBB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582532  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W40D010SL-HM63040935-61WDBB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, BLACK BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

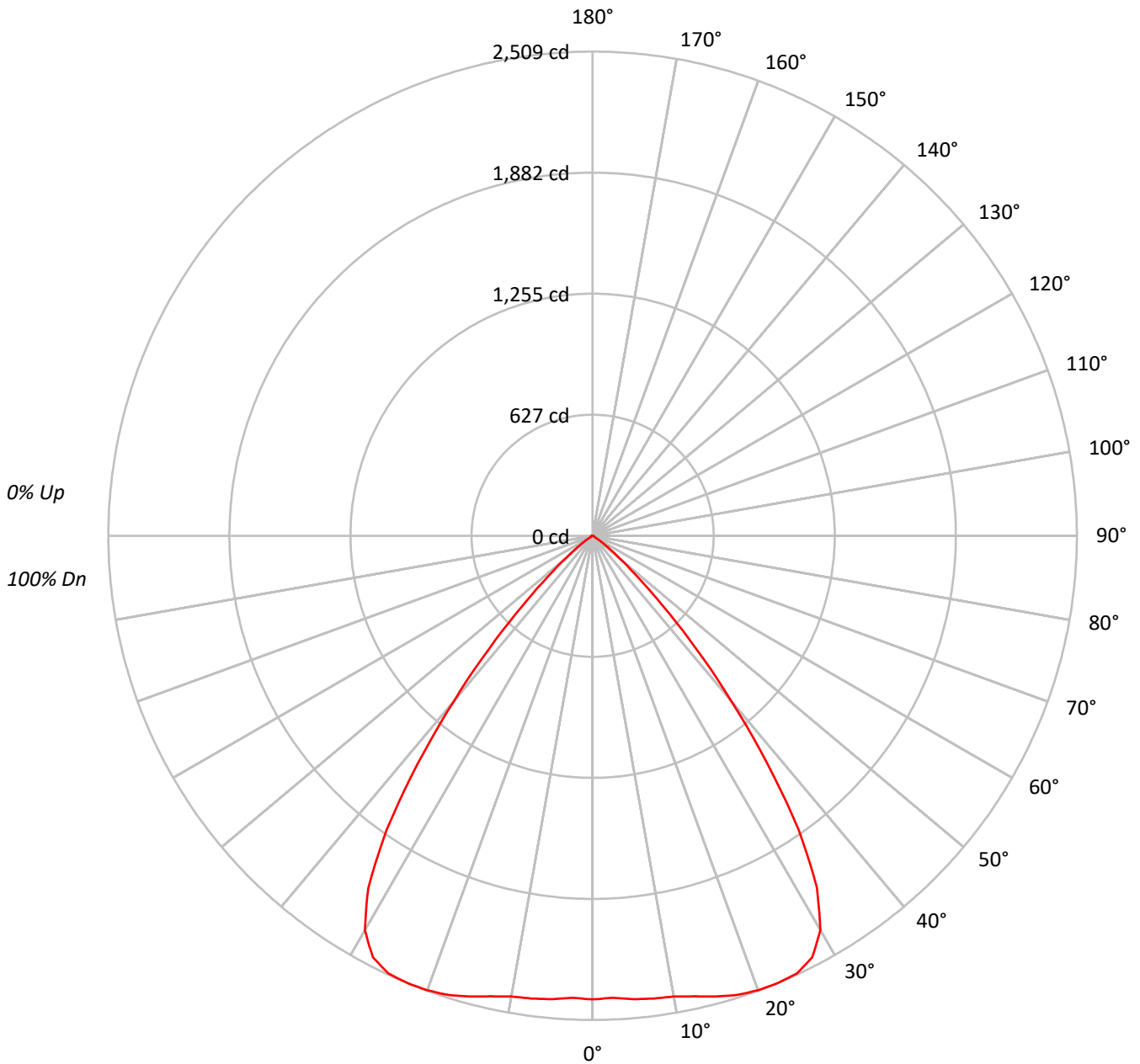
Lumens per Lamp: N/A  
Luminaire Lumens: 3707.5 lumens  
Efficiency: N/A  
Efficacy: 90.4 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 41  
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	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92				92
2	107	101	97	93	104	100	95	92	96	93	90	93	91	88	90	88	86	85				85
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77				77
4	95	86	80	75	93	85	79	75	83	78	74	81	77	73	79	75	72	71				71
5	89	80	73	68	87	79	73	68	77	72	67	75	70	67	73	69	66	65				65
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59				59
7	79	68	62	57	77	68	61	57	66	61	57	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	52	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	48	45	53	48	44	53	48	44	43				43

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

	0°
0°	131673
5°	132638
10°	134951
15°	140302
20°	146184
25°	151394
30°	149371
35°	124457
40°	79807
45°	39857
50°	15820
55°	5371
60°	1535
65°	1090
70°	914
75°	1207
80°	884
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.5	6.2
10°-20°	701.2	18.9
20°-30°	1144.8	30.9
30°-40°	1122.3	30.3
40°-50°	430.3	11.6
50°-60°	63.1	1.7
60°-70°	9.3	0.3
70°-80°	4.9	0.1
80°-90°	1.1	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°	2076.5	56.0
0°-40°	3198.7	86.3
0°-60°	3692.2	99.6
0°-90°	3707.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3707.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2402	
5°	2410	230
15°	2472	701
25°	2503	1145
35°	1860	1122
45°	514	430
55°	56	63
65°	8	9
75°	6	5
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2401.9
2.5°	2396.2
5°	2410.3
7.5°	2418.7
10°	2424.3
12.5°	2444.0
15°	2472.1
17.5°	2494.6
20°	2505.8
22.5°	2508.6
25°	2502.9
27.5°	2463.6
30°	2359.7
32.5°	2163.0
35°	1859.7
37.5°	1486.1
40°	1115.2
42.5°	795.0
45°	514.1
47.5°	314.6
50°	185.5
52.5°	106.7
55°	56.2
57.5°	25.3
60°	14.0
62.5°	11.2
65°	8.4
67.5°	8.4
70°	5.7
72.5°	5.7
75°	5.7
77.5°	2.8
80°	2.8
82.5°	2.8
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)