

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: P582424

Luminaire Tested: **HCC6S40D010SL-HM63040827-61WDBB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582424  
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: HCC6S40D010SL-HM63040827-61WDBB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, BLACK BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

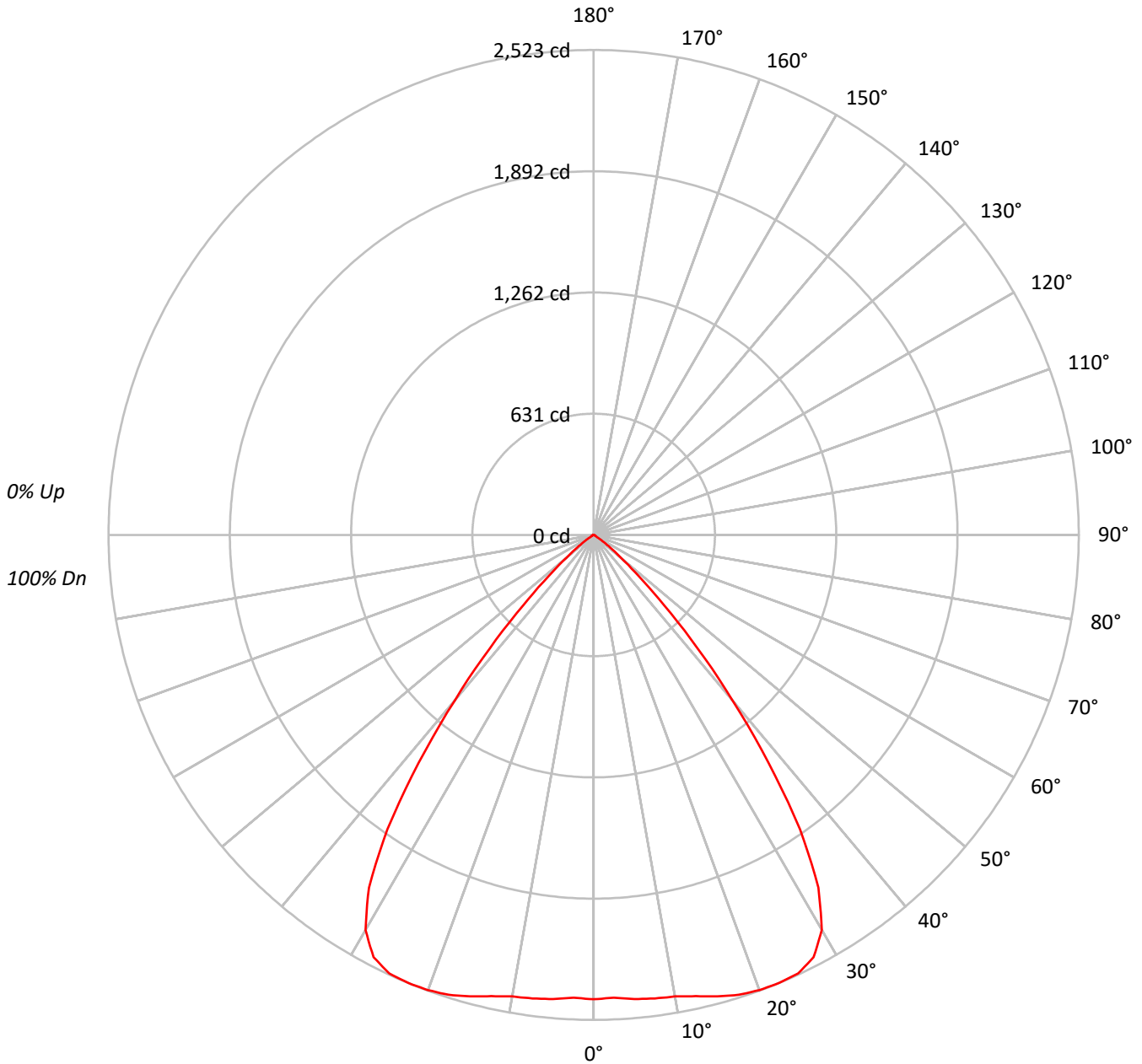
Lumens per Lamp: N/A  
Luminaire Lumens: 3728.3 lumens  
Efficiency: N/A  
Efficacy: 90.9 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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

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

	0°
0°	132413
5°	133381
10°	135708
15°	141085
20°	147001
25°	152247
30°	150207
35°	125153
40°	80258
45°	40074
50°	15906
55°	5400
60°	1546
65°	1090
70°	914
75°	1207
80°	884
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	231.8	6.2
10°-20°	705.1	18.9
20°-30°	1151.3	30.9
30°-40°	1128.6	30.3
40°-50°	432.7	11.6
50°-60°	63.5	1.7
60°-70°	9.4	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°	2088.1	56.0
0°-40°	3216.7	86.3
0°-60°	3712.9	99.6
0°-90°	3728.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3728.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2415	
5°	2424	232
15°	2486	705
25°	2517	1151
35°	1870	1129
45°	517	433
55°	56	64
65°	8	9
75°	6	5
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2415.4
2.5°	2409.7
5°	2423.8
7.5°	2432.2
10°	2437.9
12.5°	2457.7
15°	2485.9
17.5°	2508.5
20°	2519.8
22.5°	2522.7
25°	2517.0
27.5°	2477.5
30°	2372.9
32.5°	2175.2
35°	1870.1
37.5°	1494.4
40°	1121.5
42.5°	799.4
45°	516.9
47.5°	316.4
50°	186.5
52.5°	107.4
55°	56.5
57.5°	25.5
60°	14.1
62.5°	11.3
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)