

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: P582418

Luminaire Tested: **HCC6S40D010MW-HM63040827-61NDC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582418  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S40D010MW-HM63040827-61NDC  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

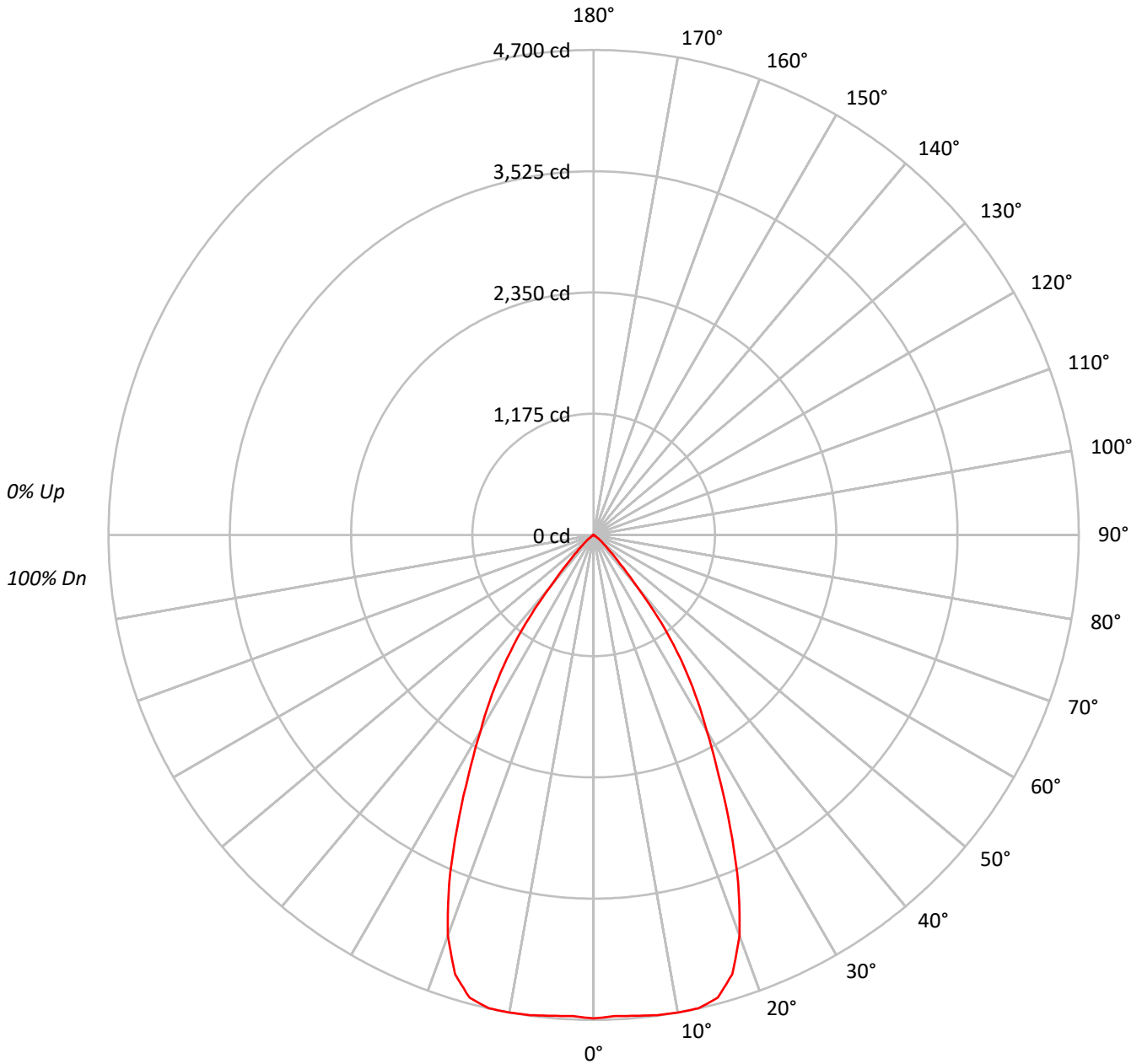
Lumens per Lamp: N/A  
Luminaire Lumens: 4301.7 lumens  
Efficiency: N/A  
Efficacy: 104.9 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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	114	111	108	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	103	99	96	106	102	98	95	98	96	93		96	93	91		93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88	85	83	82
4	98	90	85	81	96	89	84	80	87	83	79		85	81	79		83	80	78	76
5	93	85	79	75	91	84	79	75	82	77	74		80	76	73		79	75	73	71
6	88	80	74	70	87	79	73	69	77	73	69		76	72	68		75	71	68	67
7	84	75	69	65	83	74	69	65	73	68	64		72	67	64		71	67	64	62
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67	63	60	59
9	76	67	61	57	75	66	61	57	65	60	57		65	60	57		64	60	56	55
10	73	63	58	54	72	63	57	54	62	57	54		61	57	53		61	56	53	52

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

	0°
0°	256893
5°	257412
10°	261646
15°	263554
20°	240926
25°	189307
30°	138572
35°	98297
40°	46494
45°	17738
50°	7957
55°	2160
60°	921
65°	739
70°	449
75°	593
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	447.5	10.4
10°-20°	1283.5	29.8
20°-30°	1427.7	33.2
30°-40°	891.9	20.7
40°-50°	211.9	4.9
50°-60°	30.3	0.7
60°-70°	6.3	0.1
70°-80°	2.6	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°	3158.7	73.4
0°-40°	4050.6	94.2
0°-60°	4292.8	99.8
0°-90°	4301.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4301.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4686	
5°	4678	447
15°	4644	1284
25°	3130	1428
35°	1469	892
45°	229	212
55°	23	30
65°	6	6
75°	3	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4686.1
2.5°	4666.5
5°	4677.7
7.5°	4694.7
10°	4700.3
12.5°	4697.5
15°	4643.8
17.5°	4463.1
20°	4129.8
22.5°	3660.9
25°	3129.7
27.5°	2621.4
30°	2189.1
32.5°	1830.4
35°	1468.8
37.5°	1079.1
40°	649.7
42.5°	375.7
45°	228.8
47.5°	146.9
50°	93.3
52.5°	53.7
55°	22.6
57.5°	11.3
60°	8.4
62.5°	8.4
65°	5.7
67.5°	5.7
70°	2.8
72.5°	2.8
75°	2.8
77.5°	2.8
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)