

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: P581768

Luminaire Tested: **HCC6W15D010MW-HM60525927-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W15D010MW-HM60525927-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

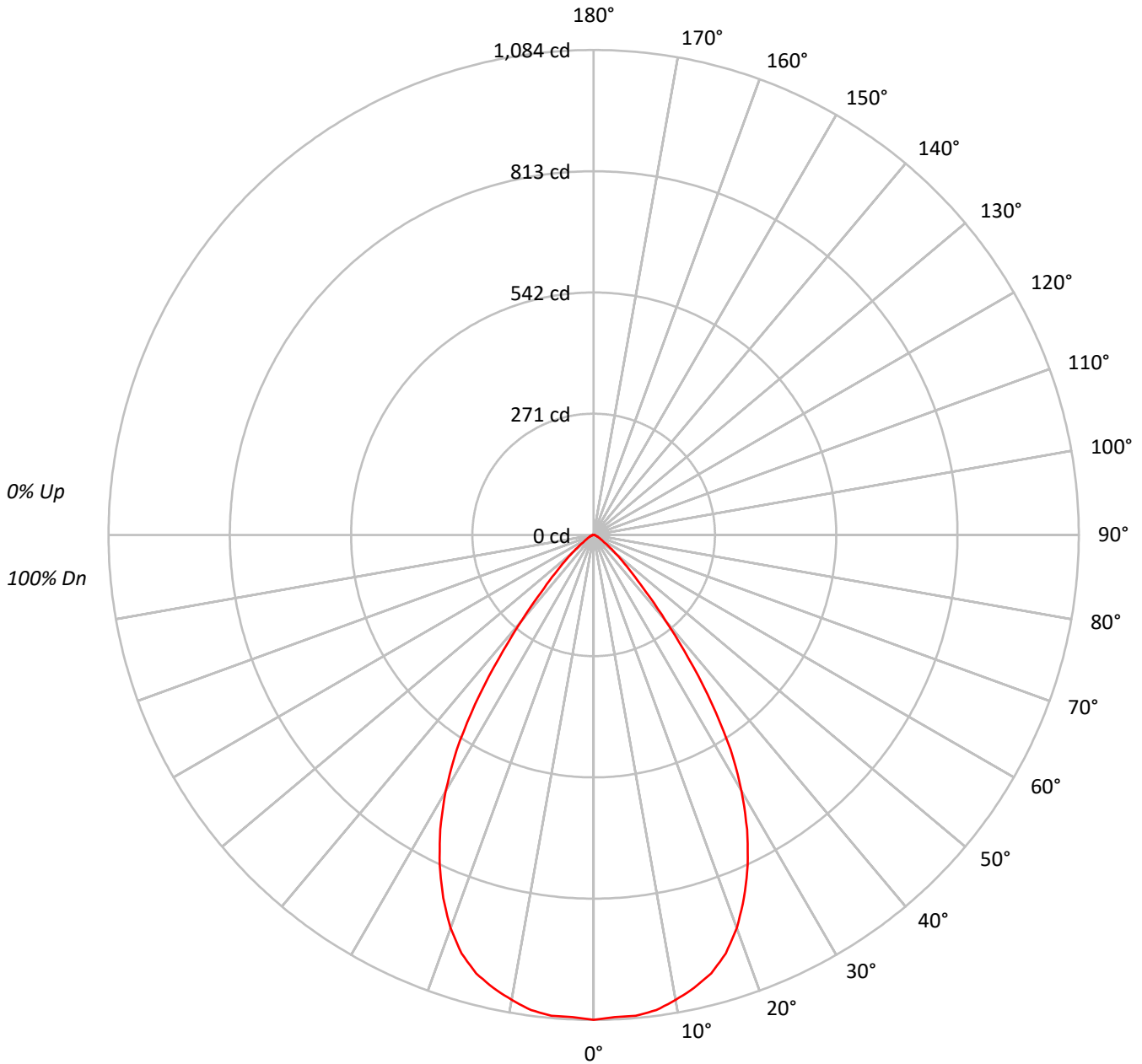
Lumens per Lamp: N/A
Luminaire Lumens: 1186.5 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 14
Input Voltage (V): NR
Input Current (A_{in}): 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	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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	94	93																												
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85																												
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79																												
4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72																												
5	90	81	75	71	89	80	75	70	79	74	70	77	73	69	75	72	68	67																												
6	85	76	70	65	84	75	69	65	74	68	64	72	67	64	71	67	63	62																												
7	81	71	65	60	79	70	64	60	69	64	60	68	63	59	67	62	59	57																												
8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																												
9	73	62	56	52	72	62	56	52	61	56	52	60	55	51	59	55	51	50																												
10	69	59	53	49	68	58	52	48	57	52	48	57	52	48	56	51	48	47																												

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	59420
5°	59371
10°	58750
15°	57577
20°	54541
25°	49249
30°	41836
35°	30892
40°	17862
45°	9489
50°	5364
55°	2800
60°	1842
65°	1310
70°	946
75°	720
80°	537
85°	503



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.2	8.6
10°-20°	283.7	23.9
20°-30°	370.3	31.2
30°-40°	283.0	23.8
40°-50°	102.5	8.6
50°-60°	29.8	2.5
60°-70°	10.7	0.9
70°-80°	3.7	0.3
80°-90°	0.7	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°	756.3	63.7
0°-40°	1039.3	87.6
0°-60°	1171.6	98.7
0°-90°	1186.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1186.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1084	
5°	1079	102
15°	1014	284
25°	814	370
35°	462	283
45°	122	102
55°	29	30
65°	10	11
75°	3	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1083.9
2.5°	1078.9
5°	1078.9
7.5°	1071.4
10°	1055.4
12.5°	1037.0
15°	1014.5
17.5°	981.0
20°	934.9
22.5°	877.9
25°	814.2
27.5°	742.2
30°	660.9
32.5°	569.7
35°	461.6
37.5°	348.4
40°	249.6
42.5°	172.5
45°	122.4
47.5°	88.0
50°	62.9
52.5°	44.4
55°	29.3
57.5°	21.0
60°	16.8
62.5°	13.4
65°	10.1
67.5°	8.4
70°	5.9
72.5°	4.2
75°	3.4
77.5°	2.5
80°	1.7
82.5°	0.8
85°	0.8
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)