

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: P582722

Luminaire Tested: **HCC6W50D010BZ-HM64560830-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582722
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: HCC6W50D010BZ-HM64560830-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

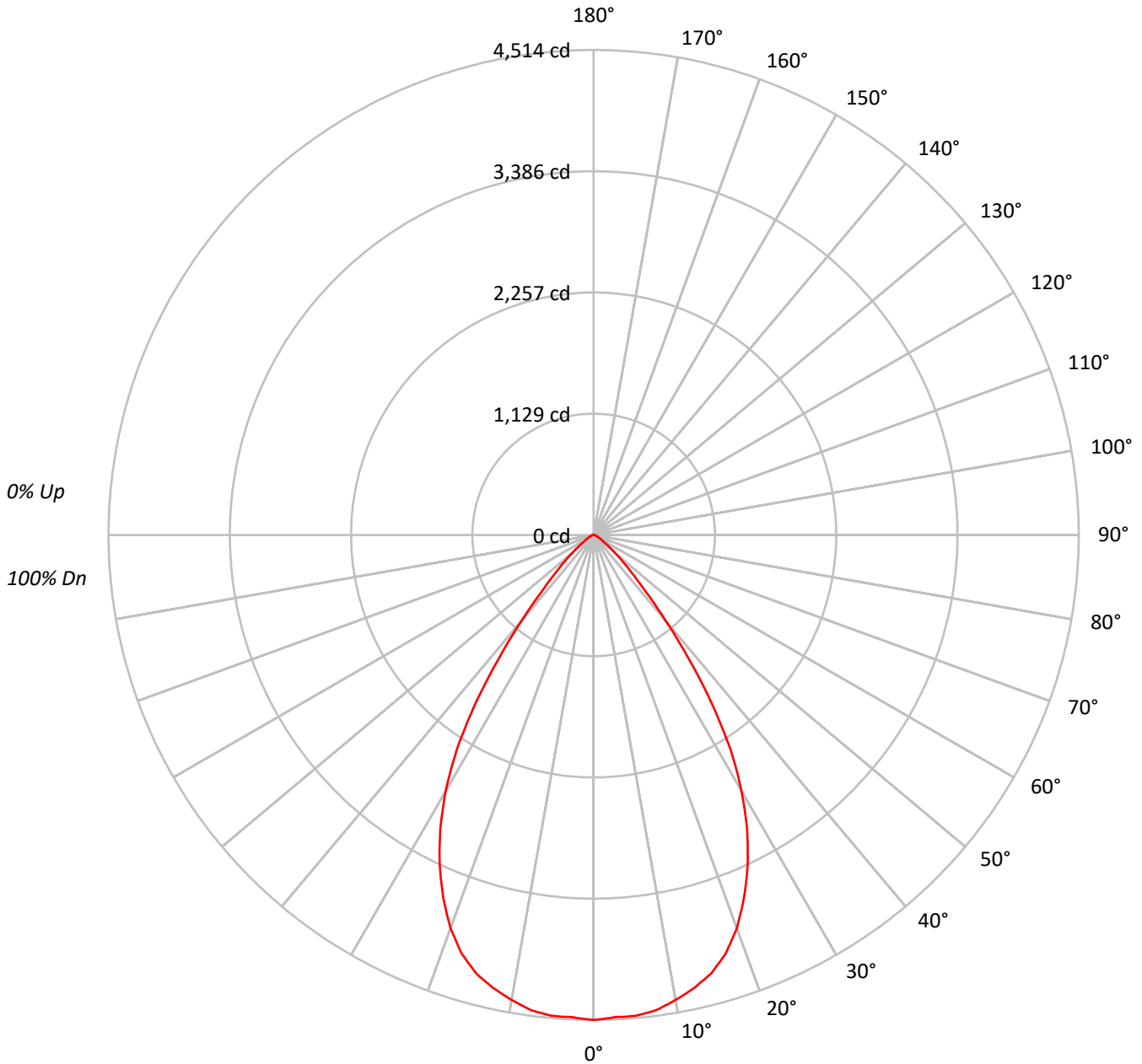
Lumens per Lamp: N/A
Luminaire Lumens: 4941.2 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 48
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									
RC	80									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																			
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	52	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°	247480
5°	247270
10°	244690
15°	239774
20°	227135
25°	205113
30°	174242
35°	128646
40°	74397
45°	39492
50°	22311
55°	11670
60°	7653
65°	5422
70°	3911
75°	2944
80°	2210
85°	2201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.8	8.6
10°-20°	1181.6	23.9
20°-30°	1542.3	31.2
30°-40°	1178.6	23.9
40°-50°	426.7	8.6
50°-60°	123.9	2.5
60°-70°	44.3	0.9
70°-80°	15.2	0.3
80°-90°	2.9	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°	3149.7	63.7
0°-40°	4328.3	87.6
0°-60°	4878.9	98.7
0°-90°	4941.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4941.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4514	
5°	4493	426
15°	4225	1182
25°	3391	1542
35°	1922	1179
45°	509	427
55°	122	124
65°	42	44
75°	14	15
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4514.4
2.5°	4493.4
5°	4493.4
7.5°	4462.1
10°	4395.7
12.5°	4318.9
15°	4224.8
17.5°	4085.2
20°	3893.4
22.5°	3656.1
25°	3391.0
27.5°	3090.9
30°	2752.6
32.5°	2372.3
35°	1922.3
37.5°	1451.3
40°	1039.6
42.5°	718.6
45°	509.4
47.5°	366.3
50°	261.6
52.5°	184.9
55°	122.1
57.5°	87.2
60°	69.8
62.5°	55.9
65°	41.8
67.5°	34.8
70°	24.4
72.5°	17.5
75°	13.9
77.5°	10.5
80°	7.0
82.5°	3.5
85°	3.5
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)