

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: P579875

Luminaire Tested: **HCC4S15D010SL-HM40525835-41PSMDW**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P579875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4S15D010SL-HM40525835-41PSMDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

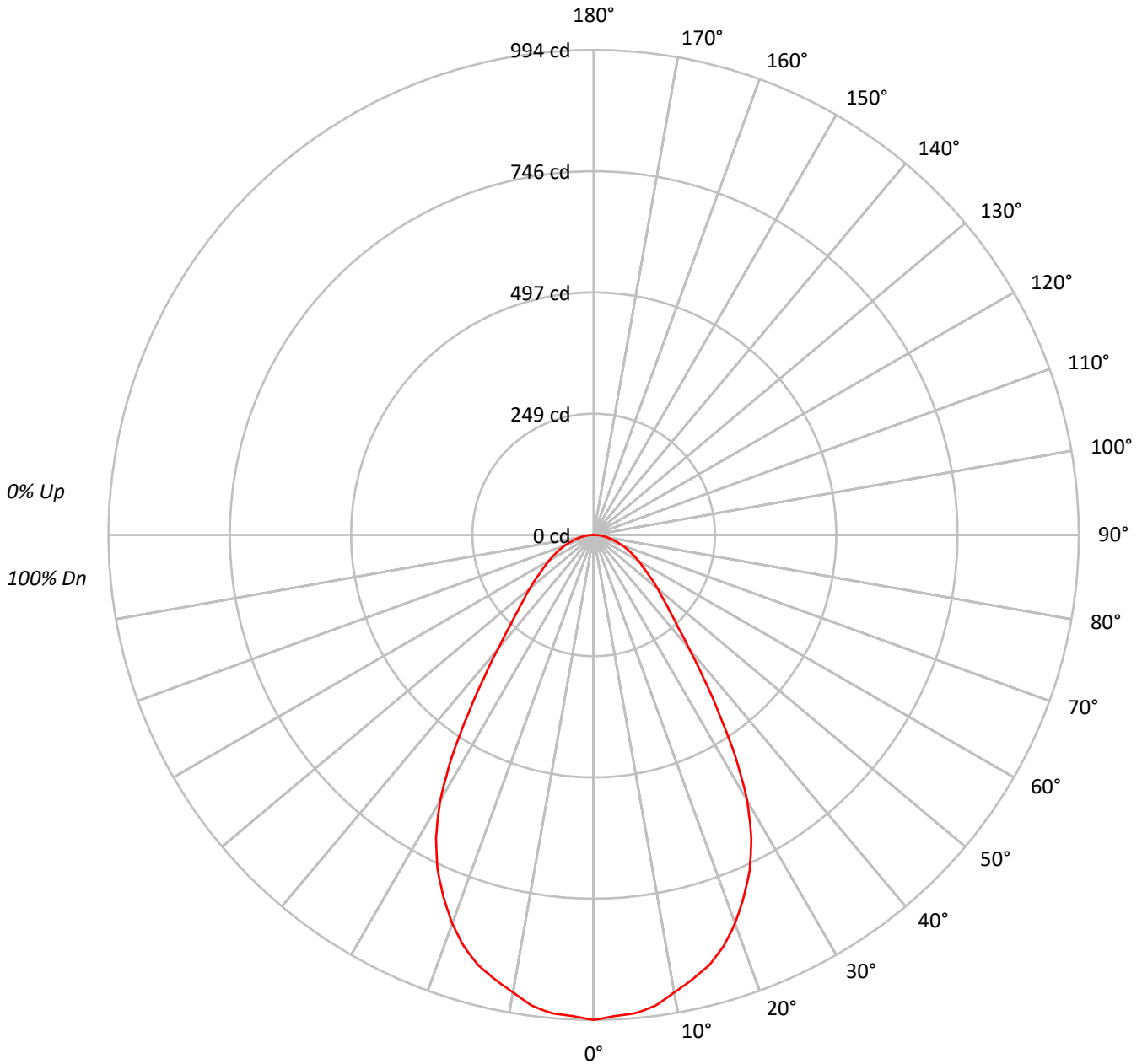
Lumens per Lamp: N/A
Luminaire Lumens: 1411.6 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 0.99
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89		
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78		
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70		
4	90	80	73	68	88	79	72	67	77	71	66	74	69	65	72	68	65	63		
5	84	74	66	61	82	72	66	60	71	64	60	69	63	59	67	62	59	57		
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	45	54	49	45	44		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	122618
5°	121848
10°	119249
15°	116613
20°	111218
25°	102971
30°	89558
35°	67624
40°	49013
45°	38306
50°	32756
55°	28343
60°	26075
65°	23903
70°	22324
75°	20445
80°	19108
85°	18398



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.9	6.6
10°-20°	255.8	18.1
20°-30°	344.0	24.4
30°-40°	282.8	20.0
40°-50°	173.7	12.3
50°-60°	120.2	8.5
60°-70°	82.0	5.8
70°-80°	45.6	3.2
80°-90°	14.5	1.0
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°	692.7	49.1
0°-40°	975.5	69.1
0°-60°	1269.5	89.9
0°-90°	1411.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1411.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	994	
5°	984	93
15°	913	256
25°	757	344
35°	449	283
45°	220	174
55°	132	120
65°	82	82
75°	43	46
85°	13	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	994.1
2.5°	987.0
5°	984.1
7.5°	973.0
10°	952.1
12.5°	933.1
15°	913.2
17.5°	884.2
20°	847.3
22.5°	803.4
25°	756.6
27.5°	699.6
30°	628.8
32.5°	541.9
35°	449.1
37.5°	369.3
40°	304.4
42.5°	254.5
45°	219.6
47.5°	192.6
50°	170.7
52.5°	150.7
55°	131.8
57.5°	117.8
60°	105.7
62.5°	93.8
65°	81.9
67.5°	71.9
70°	61.9
72.5°	51.8
75°	42.9
77.5°	33.9
80°	26.9
82.5°	20.0
85°	13.0
87.5°	6.9
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)