

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: P579874

Luminaire Tested: **HCC4W15D010SL-HM40525835-41NDW**

Issue Date: 9/9/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P579874  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC4W15D010SL-HM40525835-41NDW  
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" NARROW DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

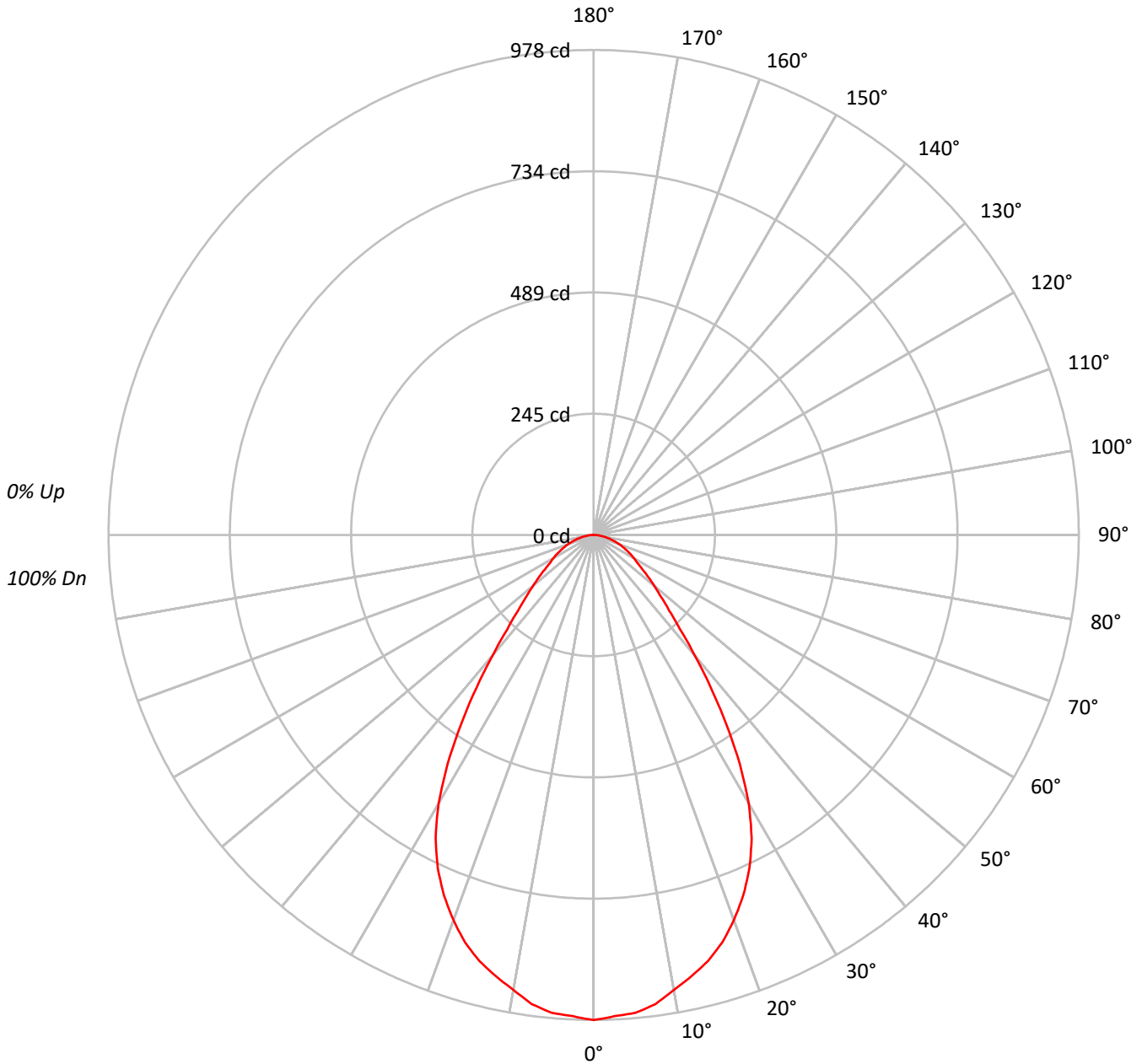
Lumens per Lamp: N/A  
Luminaire Lumens: 1373.7 lumens  
Efficiency: N/A  
Efficacy: 98.1 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.01  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 14  
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



TEST NUMBER: P579874  
CATALOG NUMBER: HCC4W15D010SL-HM40525835-41NDW

### Luminous Intensity Polar Plot





TEST NUMBER: P579874  
 CATALOG NUMBER: HCC4W15D010SL-HM40525835-41NDW

**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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				
1	111	108	104	101	109	105	102	100	101	99	97	98	96	94	94	92	91	89				
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79				
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71				
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64				
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	58				
6	79	68	61	56	78	67	60	55	66	60	55	64	59	55	63	58	54	52				
7	75	63	56	51	73	62	56	51	61	55	50	60	54	50	59	53	50	48				
8	70	59	52	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44				
9	66	55	48	43	65	54	47	43	53	47	43	52	47	43	51	46	42	41				
10	63	51	44	40	62	51	44	40	50	44	40	49	43	39	48	43	39	38				

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

	0°
0°	120681
5°	119793
10°	116669
15°	113599
20°	108514
25°	101093
30°	89017
35°	70214
40°	50962
45°	37452
50°	30453
55°	25548
60°	23140
65°	21277
70°	19799
75°	18110
80°	16337
85°	14152



TEST NUMBER: P579874  
 CATALOG NUMBER: HCC4W15D010SL-HM40525835-41NDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.2	6.6
10°-20°	249.5	18.2
20°-30°	338.2	24.6
30°-40°	290.2	21.1
40°-50°	171.4	12.5
50°-60°	108.6	7.9
60°-70°	73.0	5.3
70°-80°	40.3	2.9
80°-90°	11.3	0.8
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°	679.0	49.4
0°-40°	969.2	70.6
0°-60°	1249.1	90.9
0°-90°	1373.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1373.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	978	
5°	968	91
15°	890	250
25°	743	338
35°	466	290
45°	215	171
55°	119	109
65°	73	73
75°	38	40
85°	10	11
90°	0	



TEST NUMBER: P579874  
CATALOG NUMBER: HCC4W15D010SL-HM40525835-41NDW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	978.4
2.5°	971.5
5°	967.5
7.5°	954.4
10°	931.5
12.5°	911.5
15°	889.6
17.5°	861.6
20°	826.7
22.5°	787.7
25°	742.8
27.5°	689.9
30°	625.0
32.5°	548.1
35°	466.3
37.5°	387.4
40°	316.5
42.5°	257.5
45°	214.7
47.5°	183.7
50°	158.7
52.5°	137.8
55°	118.8
57.5°	103.8
60°	93.8
62.5°	83.9
65°	72.9
67.5°	63.9
70°	54.9
72.5°	45.9
75°	38.0
77.5°	29.9
80°	23.0
82.5°	15.9
85°	10.0
87.5°	4.0
90°	0.0

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)