

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: P579883

Luminaire Tested: **HCC4S15D010BZ-HM40525840-41WDWB**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P579883
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4S15D010BZ-HM40525840-41WDWB
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

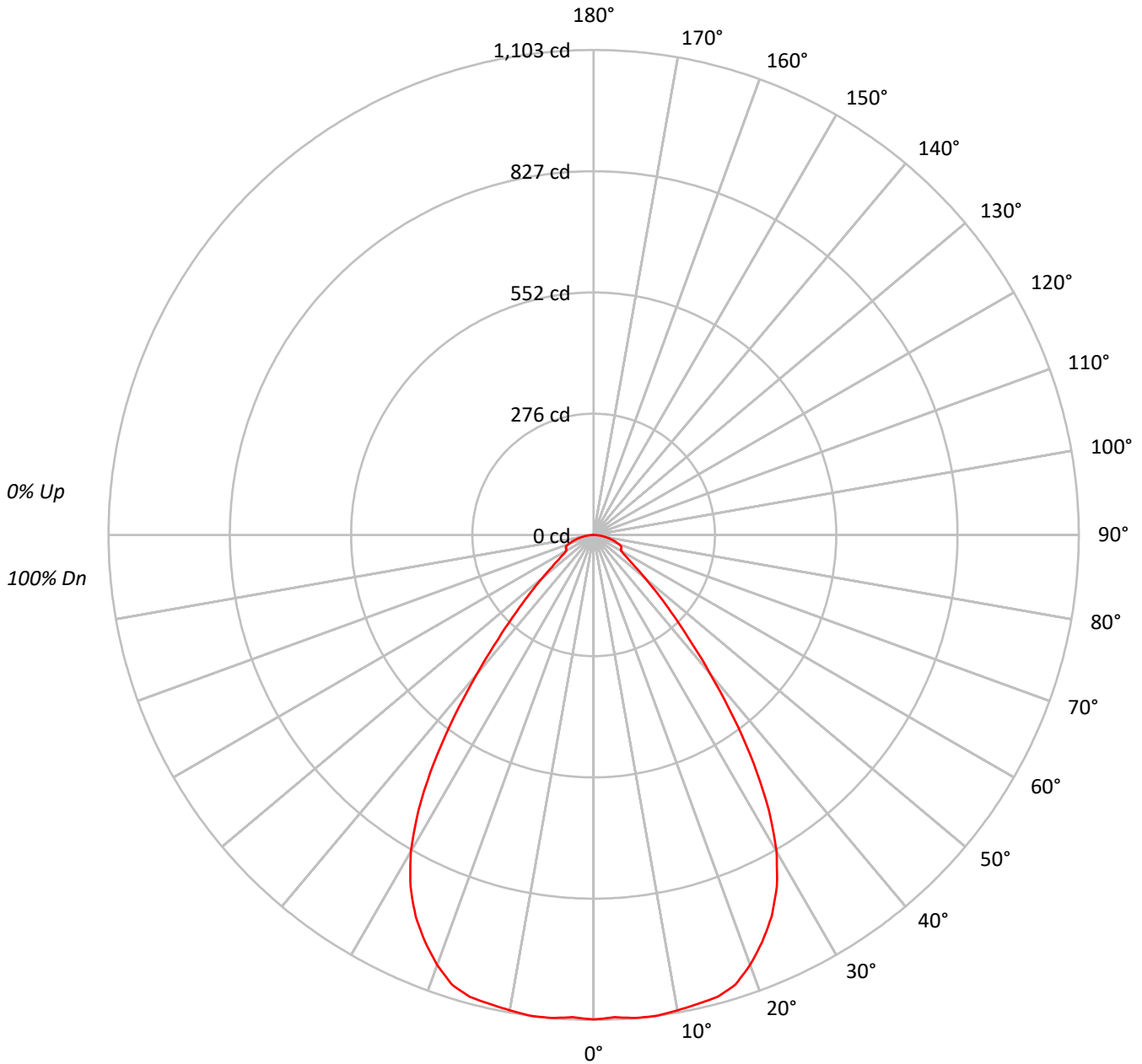
Lumens per Lamp: N/A
Luminaire Lumens: 1655.8 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.07
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P579883
CATALOG NUMBER: HCC4S15D010BZ-HM40525840-41WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P579883

CATALOG NUMBER: HCC4S15D010BZ-HM40525840-41WDWB

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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90			
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80			
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72			
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65			
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59			
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54			
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49			
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46			
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42			
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	135927
5°	136570
10°	137510
15°	138896
20°	136578
25°	130299
30°	118371
35°	95481
40°	66258
45°	43487
50°	29148
55°	20730
60°	17737
65°	20372
70°	21819
75°	21017
80°	18966
85°	17407



TEST NUMBER: P579883
 CATALOG NUMBER: HCC4S15D010BZ-HM40525840-41WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.1	6.3
10°-20°	305.6	18.5
20°-30°	436.6	26.4
30°-40°	390.0	23.6
40°-50°	200.0	12.1
50°-60°	90.9	5.5
60°-70°	67.8	4.1
70°-80°	46.1	2.8
80°-90°	13.6	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°	847.2	51.2
0°-40°	1237.2	74.7
0°-60°	1528.2	92.3
0°-90°	1655.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1655.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1102	
5°	1103	105
15°	1088	306
25°	957	437
35°	634	390
45°	249	200
55°	96	91
65°	70	68
75°	44	46
85°	12	14
90°	0	



TEST NUMBER: P579883
CATALOG NUMBER: HCC4S15D010BZ-HM40525840-41WDWB

CANDELA DISTRIBUTION (FULL):

0°	
0°	1102.0
2.5°	1097.9
5°	1103.0
7.5°	1103.0
10°	1097.9
12.5°	1092.8
15°	1087.7
17.5°	1072.3
20°	1040.5
22.5°	1001.5
25°	957.4
27.5°	902.0
30°	831.1
32.5°	740.9
35°	634.1
37.5°	520.2
40°	411.5
42.5°	321.2
45°	249.3
47.5°	195.0
50°	151.9
52.5°	119.0
55°	96.4
57.5°	81.1
60°	71.9
62.5°	69.8
65°	69.8
67.5°	67.8
70°	60.5
72.5°	52.3
75°	44.1
77.5°	34.9
80°	26.7
82.5°	19.4
85°	12.3
87.5°	5.1
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)