

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: P579864

Luminaire Tested: **HCC4W15D010BZ-HM40525835-41WDBB**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P579864
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4W15D010BZ-HM40525835-41WDBB
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" WIDE DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

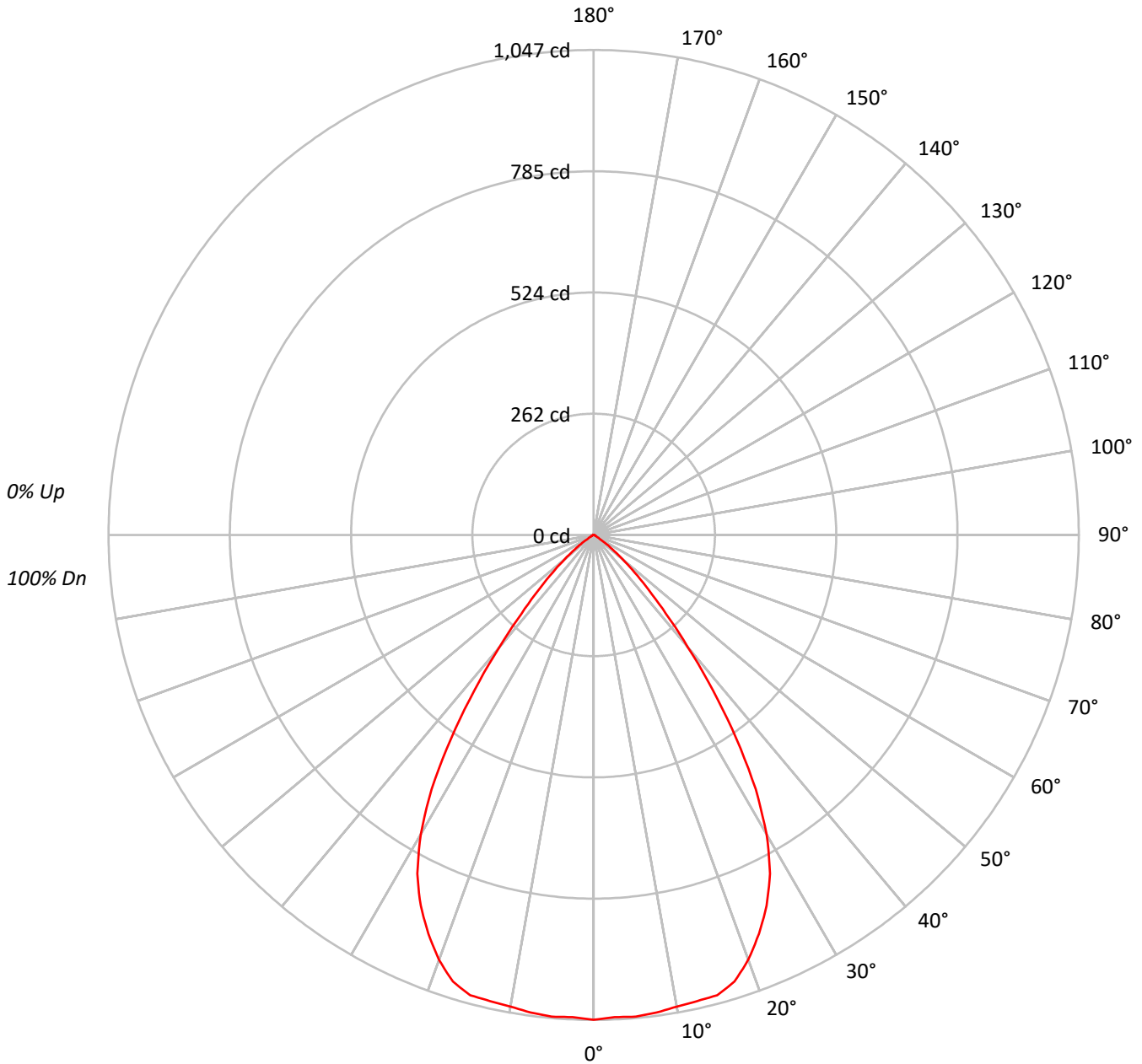
Lumens per Lamp: N/A
Luminaire Lumens: 1294.8 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.03
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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				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				100
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93				93
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85				85
3	101	94	89	84	99	93	88	84	90	86	82	87	84	81	85	82	80	78				78
4	95	87	81	77	93	86	80	76	84	79	75	82	78	74	80	76	73	72				72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66				66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61				61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56				56
8	76	65	59	55	74	65	59	54	64	58	54	63	58	54	62	57	54	52				52
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49				49
10	68	58	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45				45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	129118
5°	129252
10°	129494
15°	131387
20°	128111
25°	120201
30°	106308
35°	80845
40°	50929
45°	29253
50°	15505
55°	6430
60°	1702
65°	1459
70°	1082
75°	953
80°	710
85°	1415



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.3	7.7
10°-20°	288.1	22.3
20°-30°	402.1	31.1
30°-40°	330.9	25.6
40°-50°	136.3	10.5
50°-60°	30.7	2.4
60°-70°	4.9	0.4
70°-80°	1.8	0.1
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°	789.4	61.0
0°-40°	1120.3	86.5
0°-60°	1287.3	99.4
0°-90°	1294.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1294.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1047	
5°	1044	99
15°	1029	288
25°	883	402
35°	537	331
45°	168	136
55°	30	31
65°	5	5
75°	2	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1046.8
2.5°	1041.9
5°	1043.9
7.5°	1039.9
10°	1033.9
12.5°	1030.9
15°	1028.9
17.5°	1010.9
20°	976.0
22.5°	932.1
25°	883.2
27.5°	824.3
30°	746.4
32.5°	650.7
35°	536.9
37.5°	422.2
40°	316.3
42.5°	230.6
45°	167.7
47.5°	119.7
50°	80.8
52.5°	50.9
55°	29.9
57.5°	15.0
60°	6.9
62.5°	6.0
65°	5.0
67.5°	4.0
70°	3.0
72.5°	2.0
75°	2.0
77.5°	1.0
80°	1.0
82.5°	1.0
85°	1.0
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)