

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: P583918

Luminaire Tested: **HCC8S15D010BZ-HM80520930-81MDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P583918
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S15D010BZ-HM80520930-81MDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

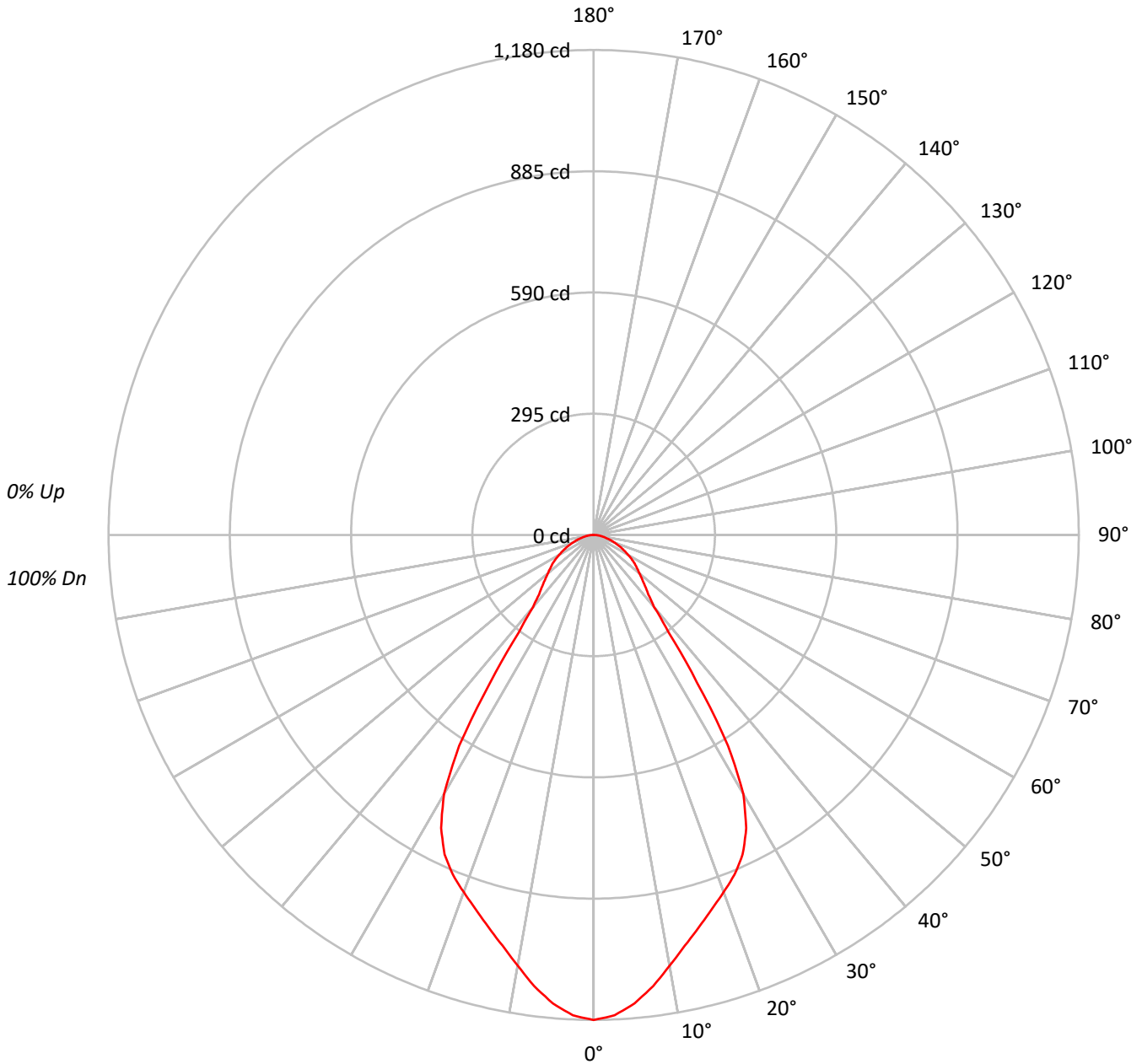
Lumens per Lamp: N/A
Luminaire Lumens: 1423.6 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.95
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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	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	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59
6	81	70	63	58	79	69	62	57	67	61	57	66	61	56	64	60	56	54
7	76	65	58	53	74	64	57	53	63	57	52	62	56	52	60	55	52	50
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43
10	64	53	46	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	36399
5°	35408
10°	33319
15°	31547
20°	30344
25°	29176
30°	25911
35°	16503
40°	9210
45°	7714
50°	6966
55°	6564
60°	5988
65°	5399
70°	4769
75°	4230
80°	3765
85°	3397



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.6	7.5
10°-20°	278.7	19.6
20°-30°	388.8	27.3
30°-40°	279.8	19.7
40°-50°	138.6	9.7
50°-60°	108.5	7.6
60°-70°	73.5	5.2
70°-80°	38.1	2.7
80°-90°	11.0	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°	774.1	54.4
0°-40°	1053.9	74.0
0°-60°	1301.0	91.4
0°-90°	1423.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1423.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1180	
5°	1144	107
15°	988	279
25°	858	389
35°	438	280
45°	177	139
55°	122	108
65°	74	73
75°	36	38
85°	10	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1180.4
2.5°	1169.9
5°	1143.9
7.5°	1107.4
10°	1064.1
12.5°	1023.8
15°	988.2
17.5°	954.6
20°	924.7
22.5°	895.0
25°	857.5
27.5°	803.6
30°	727.7
32.5°	608.5
35°	438.4
37.5°	299.0
40°	228.8
42.5°	197.0
45°	176.9
47.5°	159.5
50°	145.2
52.5°	132.7
55°	122.1
57.5°	109.5
60°	97.1
62.5°	84.6
65°	74.0
67.5°	63.5
70°	52.9
72.5°	44.2
75°	35.5
77.5°	27.8
80°	21.2
82.5°	15.4
85°	9.6
87.5°	4.8
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)