

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: P583916

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

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P583916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S15D010BZ-HM80520930-81MDC
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

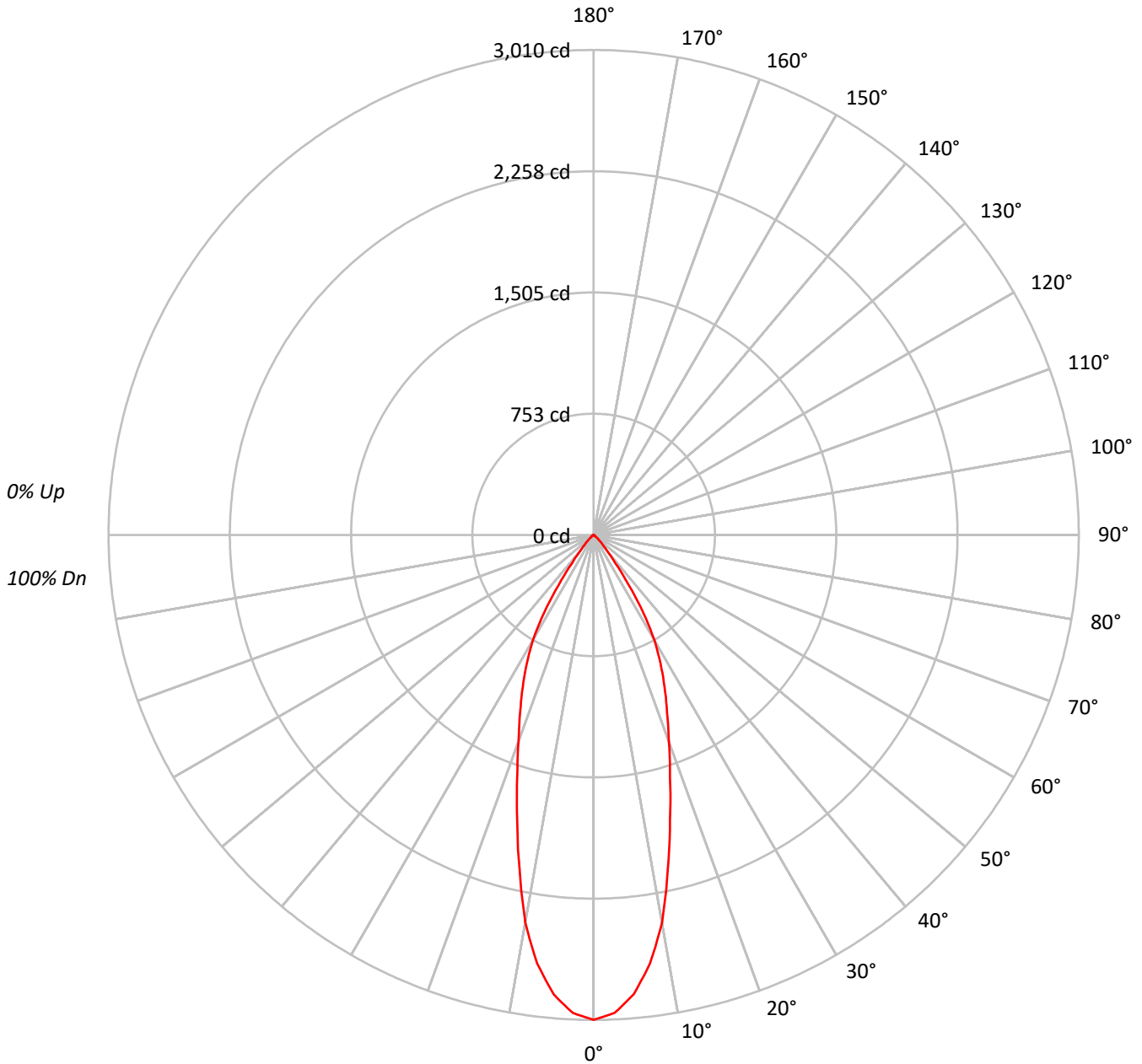
Lumens per Lamp: N/A
Luminaire Lumens: 1553.4 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.67
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P583916
CATALOG NUMBER: HCC8S15D010BZ-HM80520930-81MDC

Luminous Intensity Polar Plot





TEST NUMBER: P583916
 CATALOG NUMBER: HCC8S15D010BZ-HM80520930-81MDC

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95																			
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89																			
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	87	85	84																			
4	100	93	88	84	98	92	87	83	90	86	82	88	84	82	86	83	81	79																			
5	95	88	82	78	94	87	82	78	85	81	77	83	80	77	82	79	76	75																			
6	91	83	78	74	90	82	77	73	81	76	73	79	76	73	78	75	72	71																			
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67																			
8	84	75	70	66	82	74	69	66	73	69	65	72	68	65	71	68	65	64																			
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	61																			
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	62	59	58																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	92811
5°	88554
10°	76455
15°	58459
20°	44731
25°	35392
30°	26730
35°	14222
40°	5418
45°	2599
50°	1103
55°	468
60°	179
65°	139
70°	90
75°	0
80°	0
85°	0



TEST NUMBER: P583916
 CATALOG NUMBER: HCC8S15D010BZ-HM80520930-81MDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.7	16.7
10°-20°	511.2	32.9
20°-30°	476.1	30.7
30°-40°	245.7	15.8
40°-50°	50.0	3.2
50°-60°	8.6	0.6
60°-70°	1.7	0.1
70°-80°	0.4	0.0
80°-90°	0.0	0.0
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°	1247.0	80.3
0°-40°	1492.7	96.1
0°-60°	1551.3	99.9
0°-90°	1553.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1553.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3010	
5°	2861	260
15°	1831	511
25°	1040	476
35°	378	246
45°	60	50
55°	9	9
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P583916
CATALOG NUMBER: HCC8S15D010BZ-HM80520930-81MDC

CANDELA DISTRIBUTION (FULL):

	0°
0°	3009.8
2.5°	2969.5
5°	2860.8
7.5°	2682.0
10°	2441.7
12.5°	2126.3
15°	1831.2
17.5°	1575.5
20°	1363.1
22.5°	1190.1
25°	1040.2
27.5°	897.8
30°	750.7
32.5°	575.9
35°	377.8
37.5°	219.2
40°	134.6
42.5°	88.4
45°	59.6
47.5°	37.5
50°	23.0
52.5°	13.5
55°	8.7
57.5°	3.9
60°	2.9
62.5°	1.9
65°	1.9
67.5°	1.0
70°	1.0
72.5°	1.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)