

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: P583850

Luminaire Tested: **HCC8S15D010BZ-HM80520830-81MDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P583850
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-HM80520830-81MDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

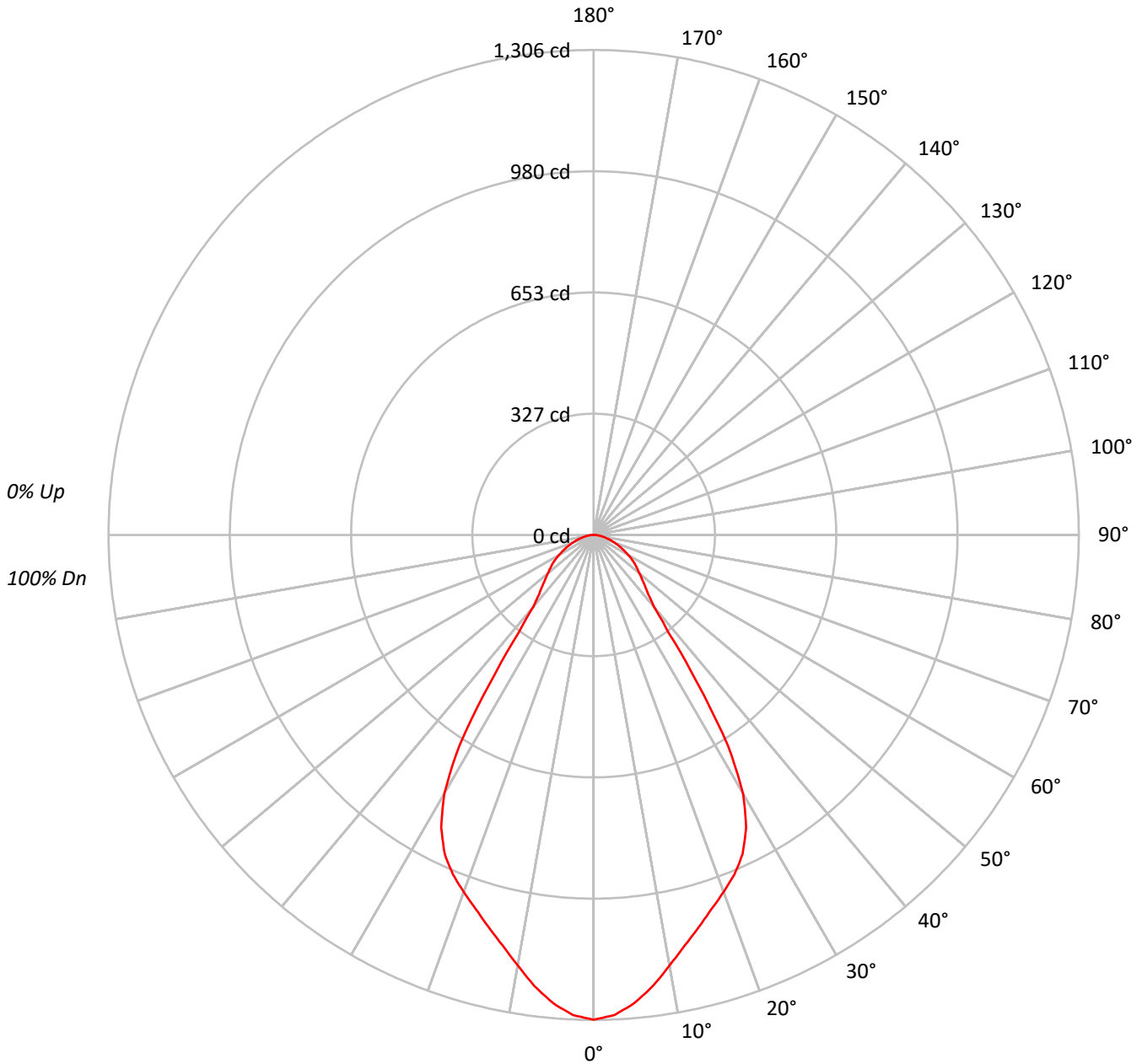
Lumens per Lamp: N/A
Luminaire Lumens: 1574.6 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.95
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P583850
CATALOG NUMBER: HCC8S15D010BZ-HM80520830-81MDW

Luminous Intensity Polar Plot





TEST NUMBER: P583850

CATALOG NUMBER: HCC8S15D010BZ-HM80520830-81MDW

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	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°	40263
5°	39163
10°	36854
15°	34896
20°	33567
25°	32272
30°	28660
35°	18254
40°	10184
45°	8534
50°	7700
55°	7263
60°	6624
65°	5969
70°	5265
75°	4682
80°	4155
85°	3750



TEST NUMBER: P583850
 CATALOG NUMBER: HCC8S15D010BZ-HM80520830-81MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.0	7.5
10°-20°	308.3	19.6
20°-30°	430.1	27.3
30°-40°	309.5	19.7
40°-50°	153.4	9.7
50°-60°	120.0	7.6
60°-70°	81.2	5.2
70°-80°	42.2	2.7
80°-90°	12.1	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°	856.3	54.4
0°-40°	1165.7	74.0
0°-60°	1439.1	91.4
0°-90°	1574.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1574.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1306	
5°	1265	118
15°	1093	308
25°	948	430
35°	485	309
45°	196	153
55°	135	120
65°	82	81
75°	39	42
85°	11	12
90°	0	



TEST NUMBER: P583850
CATALOG NUMBER: HCC8S15D010BZ-HM80520830-81MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1305.7
2.5°	1294.0
5°	1265.2
7.5°	1224.9
10°	1177.0
12.5°	1132.3
15°	1093.1
17.5°	1055.8
20°	1022.9
22.5°	989.9
25°	948.5
27.5°	888.9
30°	804.9
32.5°	673.1
35°	484.9
37.5°	330.7
40°	253.0
42.5°	218.0
45°	195.7
47.5°	176.5
50°	160.5
52.5°	146.8
55°	135.1
57.5°	121.2
60°	107.4
62.5°	93.6
65°	81.8
67.5°	70.1
70°	58.4
72.5°	48.9
75°	39.3
77.5°	30.8
80°	23.4
82.5°	17.0
85°	10.6
87.5°	5.3
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)