

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: P583884

Luminaire Tested: **HCC8W15D010MB-HM80520840-81MDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P583884
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: HCC8W15D010MB-HM80520840-81MDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

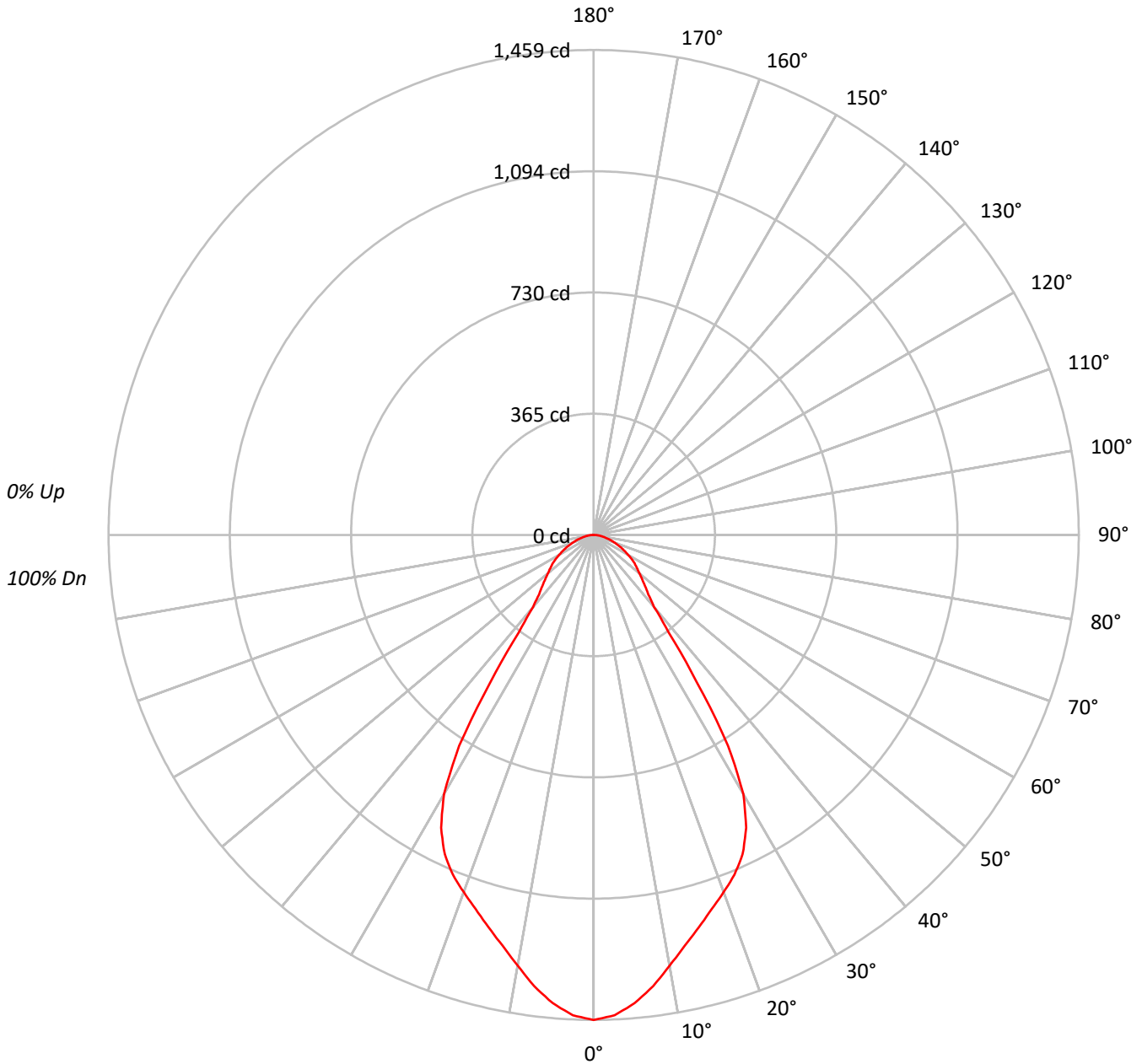
Lumens per Lamp: N/A
Luminaire Lumens: 1759.9 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.95
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P583884
CATALOG NUMBER: HCC8W15D010MB-HM80520840-81MDW

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
 1121 Highway 74 South
 Peachtree City, GA 30269



TEST NUMBER: P583884

CATALOG NUMBER: HCC8W15D010MB-HM80520840-81MDW

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°	45003
5°	43775
10°	41194
15°	39002
20°	37518
25°	36066
30°	32035
35°	20399
40°	11384
45°	9537
50°	8606
55°	8118
60°	7401
65°	6676
70°	5887
75°	5242
80°	4635
85°	4210



TEST NUMBER: P583884
 CATALOG NUMBER: HCC8W15D010MB-HM80520840-81MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.8	7.5
10°-20°	344.5	19.6
20°-30°	480.7	27.3
30°-40°	345.9	19.7
40°-50°	171.4	9.7
50°-60°	134.1	7.6
60°-70°	90.8	5.2
70°-80°	47.2	2.7
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°	957.1	54.4
0°-40°	1302.9	74.0
0°-60°	1608.4	91.4
0°-90°	1759.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1759.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1459	
5°	1414	132
15°	1222	345
25°	1060	481
35°	542	346
45°	219	171
55°	151	134
65°	92	91
75°	44	47
85°	12	14
90°	0	



TEST NUMBER: P583884
CATALOG NUMBER: HCC8W15D010MB-HM80520840-81MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1459.4
2.5°	1446.4
5°	1414.2
7.5°	1369.1
10°	1315.6
12.5°	1265.7
15°	1221.7
17.5°	1180.1
20°	1143.3
22.5°	1106.4
25°	1060.0
27.5°	993.5
30°	899.7
32.5°	752.3
35°	541.9
37.5°	369.6
40°	282.8
42.5°	243.7
45°	218.7
47.5°	197.3
50°	179.4
52.5°	164.0
55°	151.0
57.5°	135.4
60°	120.0
62.5°	104.6
65°	91.5
67.5°	78.4
70°	65.3
72.5°	54.7
75°	44.0
77.5°	34.5
80°	26.1
82.5°	19.0
85°	11.9
87.5°	5.9
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)