

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: P593628

Luminaire Tested: **HCC8W25D010MB-HM82555850-81PSMDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P593628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W25D010MB-HM82555850-81PSMDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

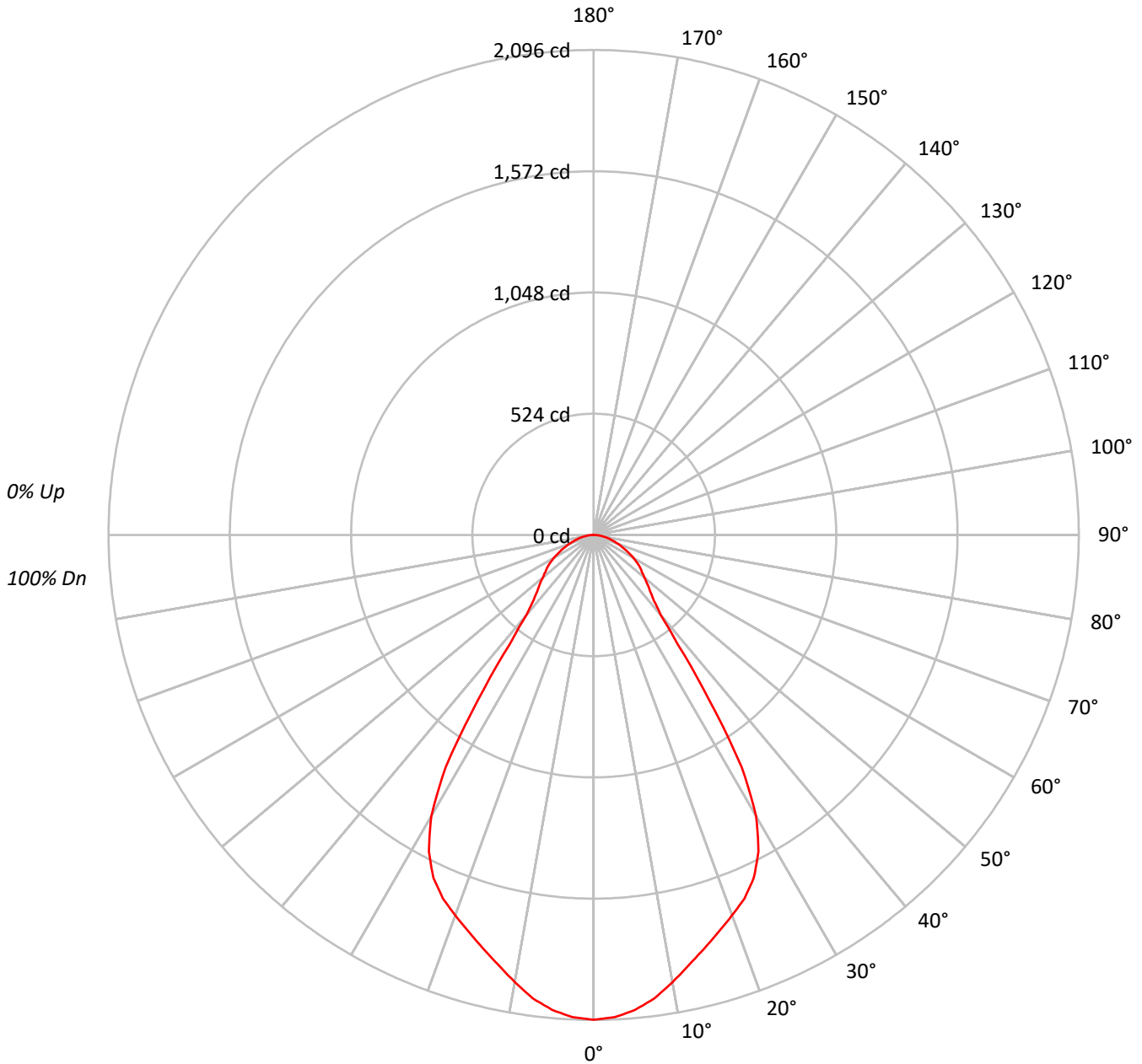
Lumens per Lamp: N/A
Luminaire Lumens: 2752.9 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.97
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
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: P593628
CATALOG NUMBER: HCC8W25D010MB-HM82555850-81PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P593628

CATALOG NUMBER: HCC8W25D010MB-HM82555850-81PSMDW

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	111	108	105	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89																			
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79																			
3	97	89	83	77	95	87	82	77	85	80	76	82	78	74	80	76	73	71																			
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64																			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58																			
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53																			
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49																			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45																			
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42																			
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	64617
5°	63775
10°	61440
15°	59037
20°	57404
25°	55680
30°	49963
35°	32750
40°	18106
45°	15093
50°	13768
55°	13139
60°	12217
65°	11076
70°	10017
75°	9043
80°	8222
85°	7890



TEST NUMBER: P593628
 CATALOG NUMBER: HCC8W25D010MB-HM82555850-81PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.6	7.0
10°-20°	521.7	19.0
20°-30°	742.5	27.0
30°-40°	549.5	20.0
40°-50°	272.2	9.9
50°-60°	217.3	7.9
60°-70°	150.8	5.5
70°-80°	81.3	3.0
80°-90°	24.0	0.9
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°	1457.9	53.0
0°-40°	2007.4	72.9
0°-60°	2496.8	90.7
0°-90°	2752.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2752.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2096	
5°	2060	194
15°	1849	522
25°	1636	743
35°	870	550
45°	346	272
55°	244	217
65°	152	151
75°	76	81
85°	22	24
90°	0	



TEST NUMBER: P593628
CATALOG NUMBER: HCC8W25D010MB-HM82555850-81PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2095.5
2.5°	2086.3
5°	2060.3
7.5°	2019.6
10°	1962.2
12.5°	1903.0
15°	1849.3
17.5°	1797.5
20°	1749.3
22.5°	1701.2
25°	1636.5
27.5°	1542.0
30°	1403.2
32.5°	1190.3
35°	870.0
37.5°	594.2
40°	449.8
42.5°	385.0
45°	346.1
47.5°	314.7
50°	287.0
52.5°	262.9
55°	244.4
57.5°	222.1
60°	198.1
62.5°	174.0
65°	151.8
67.5°	129.6
70°	111.1
72.5°	92.6
75°	75.9
77.5°	61.1
80°	46.3
82.5°	33.3
85°	22.3
87.5°	9.3
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)