

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: P584128

Luminaire Tested: **HCC8W25D010MB-HM82555830-81WDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584128
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W25D010MB-HM82555830-81WDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

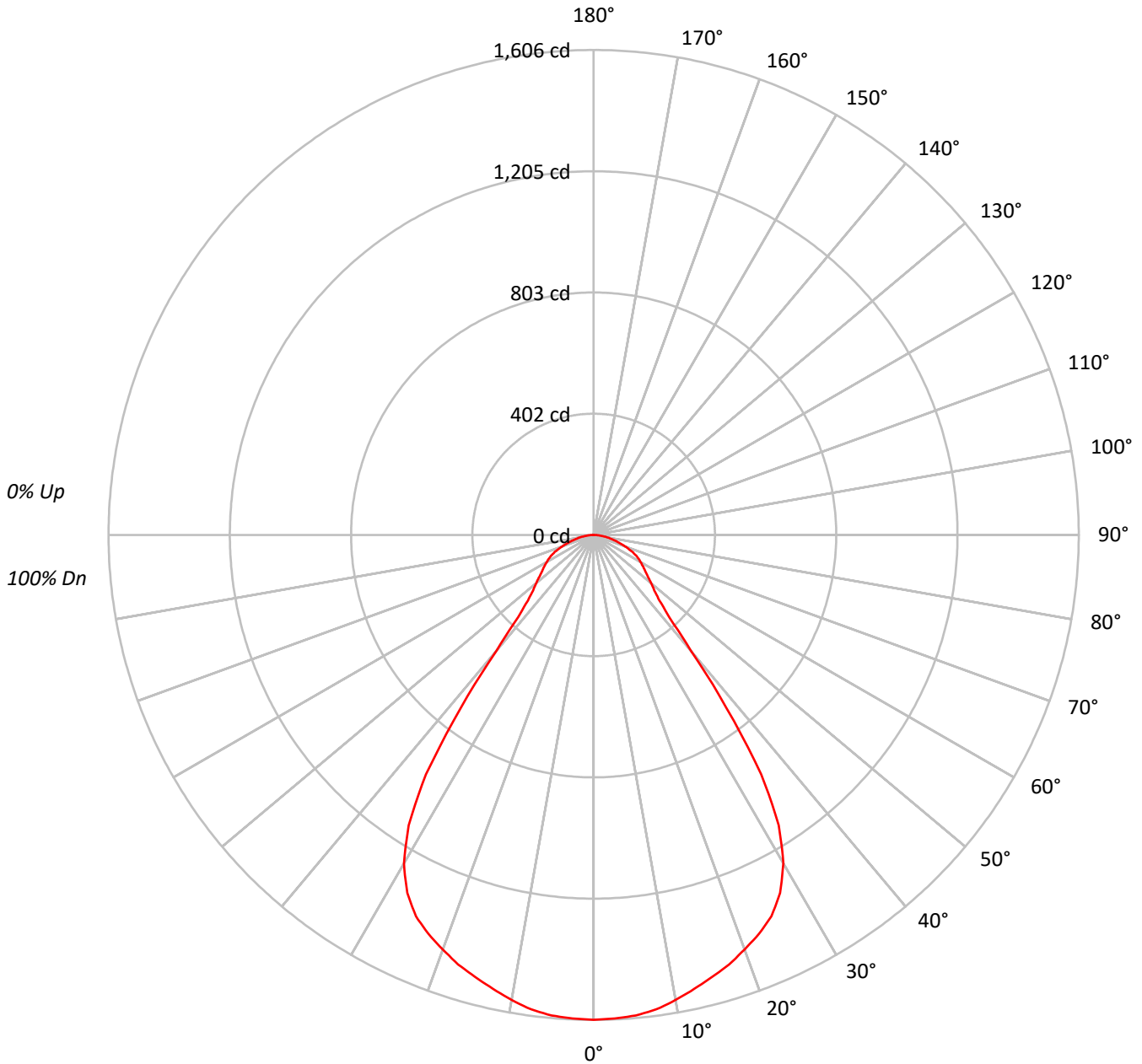
Lumens per Lamp: N/A
Luminaire Lumens: 2476.8 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): 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: P584128
CATALOG NUMBER: HCC8W25D010MB-HM82555830-81WDW

Luminous Intensity Polar Plot





TEST NUMBER: P584128
 CATALOG NUMBER: HCC8W25D010MB-HM82555830-81WDW

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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	49520
5°	49455
10°	48969
15°	48381
20°	47933
25°	47396
30°	44722
35°	36417
40°	20119
45°	13427
50°	11907
55°	11182
60°	11039
65°	10937
70°	9890
75°	8840
80°	7725
85°	6864



TEST NUMBER: P584128
 CATALOG NUMBER: HCC8W25D010MB-HM82555830-81WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.4	6.1
10°-20°	427.9	17.3
20°-30°	635.8	25.7
30°-40°	572.6	23.1
40°-50°	253.8	10.2
50°-60°	188.0	7.6
60°-70°	146.2	5.9
70°-80°	79.3	3.2
80°-90°	21.7	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°	1215.2	49.1
0°-40°	1787.8	72.2
0°-60°	2229.7	90.0
0°-90°	2476.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2476.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1606	
5°	1598	151
15°	1516	428
25°	1393	636
35°	967	573
45°	308	254
55°	208	188
65°	150	146
75°	74	79
85°	19	22
90°	0	



TEST NUMBER: P584128
CATALOG NUMBER: HCC8W25D010MB-HM82555830-81WDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1605.9
2.5°	1602.5
5°	1597.7
7.5°	1584.9
10°	1563.9
12.5°	1539.7
15°	1515.5
17.5°	1491.4
20°	1460.7
22.5°	1430.1
25°	1393.0
27.5°	1336.5
30°	1256.0
32.5°	1139.9
35°	967.4
37.5°	722.2
40°	499.8
42.5°	369.3
45°	307.9
47.5°	272.4
50°	248.2
52.5°	225.7
55°	208.0
57.5°	193.5
60°	179.0
62.5°	166.1
65°	149.9
67.5°	130.5
70°	109.7
72.5°	91.9
75°	74.2
77.5°	58.0
80°	43.5
82.5°	30.6
85°	19.4
87.5°	8.0
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)