

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: P584417

Luminaire Tested: **HCC8W35D010MB-HM82555835-81WDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584417
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: HCC8W35D010MB-HM82555835-81WDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

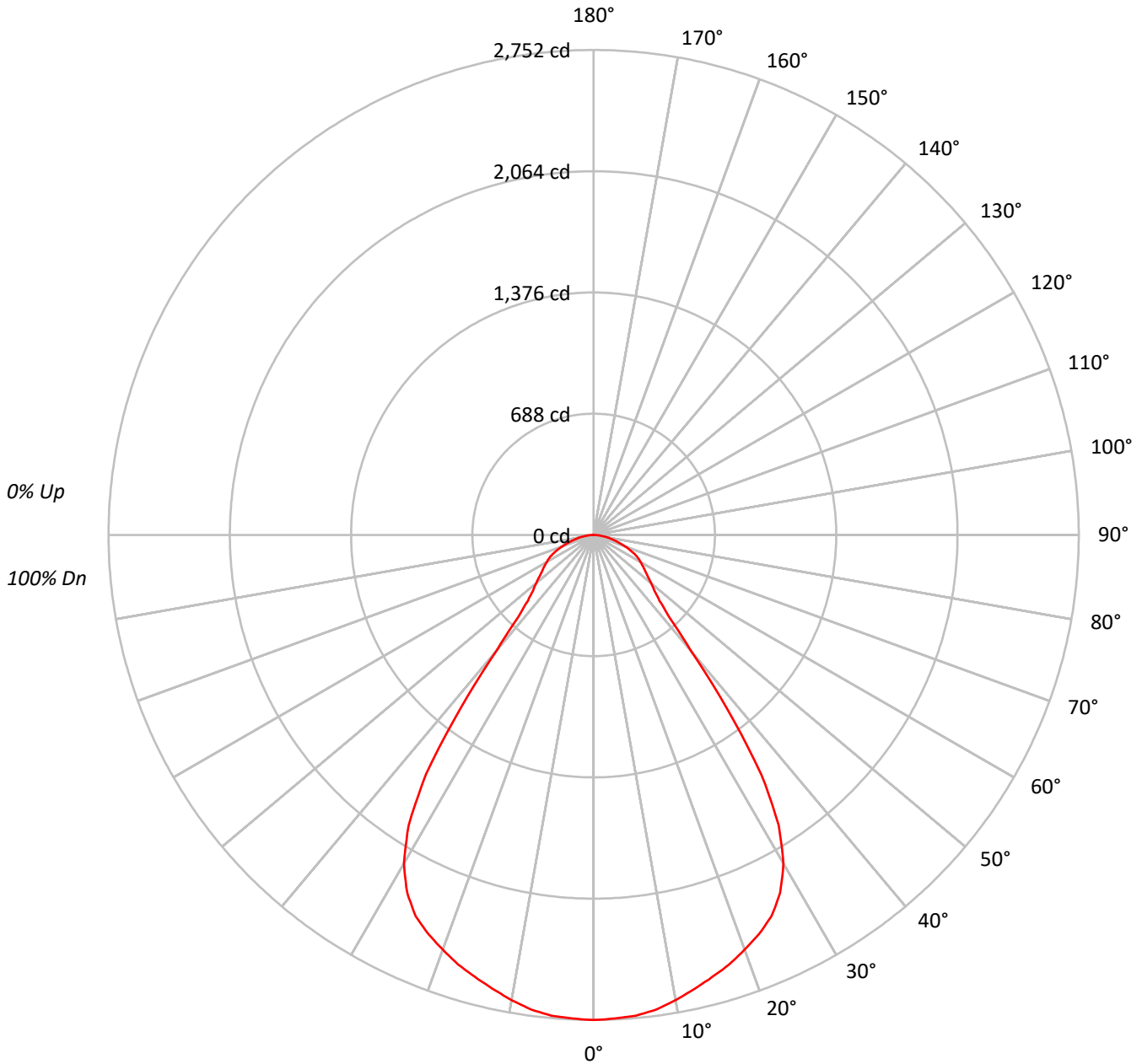
Lumens per Lamp: N/A
Luminaire Lumens: 4245.2 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
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: P584417
CATALOG NUMBER: HCC8W35D010MB-HM82555835-81WDW

Luminous Intensity Polar Plot





TEST NUMBER: P584417

CATALOG NUMBER: HCC8W35D010MB-HM82555835-81WDW

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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79			79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63			63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57			57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52			52
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48			48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44			44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40			40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84874
5°	84768
10°	83932
15°	82926
20°	82160
25°	81236
30°	76651
35°	62414
40°	34486
45°	23017
50°	20412
55°	19166
60°	18915
65°	18752
70°	16950
75°	15143
80°	13247
85°	11746



TEST NUMBER: P584417
 CATALOG NUMBER: HCC8W35D010MB-HM82555835-81WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.6	6.1
10°-20°	733.5	17.3
20°-30°	1089.8	25.7
30°-40°	981.5	23.1
40°-50°	435.1	10.2
50°-60°	322.2	7.6
60°-70°	250.6	5.9
70°-80°	135.8	3.2
80°-90°	37.2	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°	2082.9	49.1
0°-40°	3064.3	72.2
0°-60°	3821.6	90.0
0°-90°	4245.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4245.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2752	
5°	2738	260
15°	2598	733
25°	2388	1090
35°	1658	981
45°	528	435
55°	356	322
65°	257	251
75°	127	136
85°	33	37
90°	0	



TEST NUMBER: P584417
CATALOG NUMBER: HCC8W35D010MB-HM82555835-81WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2752.4
2.5°	2746.9
5°	2738.5
7.5°	2716.5
10°	2680.5
12.5°	2639.1
15°	2597.6
17.5°	2556.2
20°	2503.7
22.5°	2451.1
25°	2387.6
27.5°	2290.9
30°	2152.7
32.5°	1953.7
35°	1658.0
37.5°	1238.0
40°	856.7
42.5°	632.8
45°	527.8
47.5°	467.0
50°	425.5
52.5°	386.8
55°	356.5
57.5°	331.6
60°	306.7
62.5°	284.6
65°	257.0
67.5°	223.8
70°	188.0
72.5°	157.5
75°	127.1
77.5°	99.4
80°	74.6
82.5°	52.5
85°	33.2
87.5°	13.8
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)