

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: P584604

Luminaire Tested: **HCC8W40D010MB-HM82555930-81WDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584604
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: HCC8W40D010MB-HM82555930-81WDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

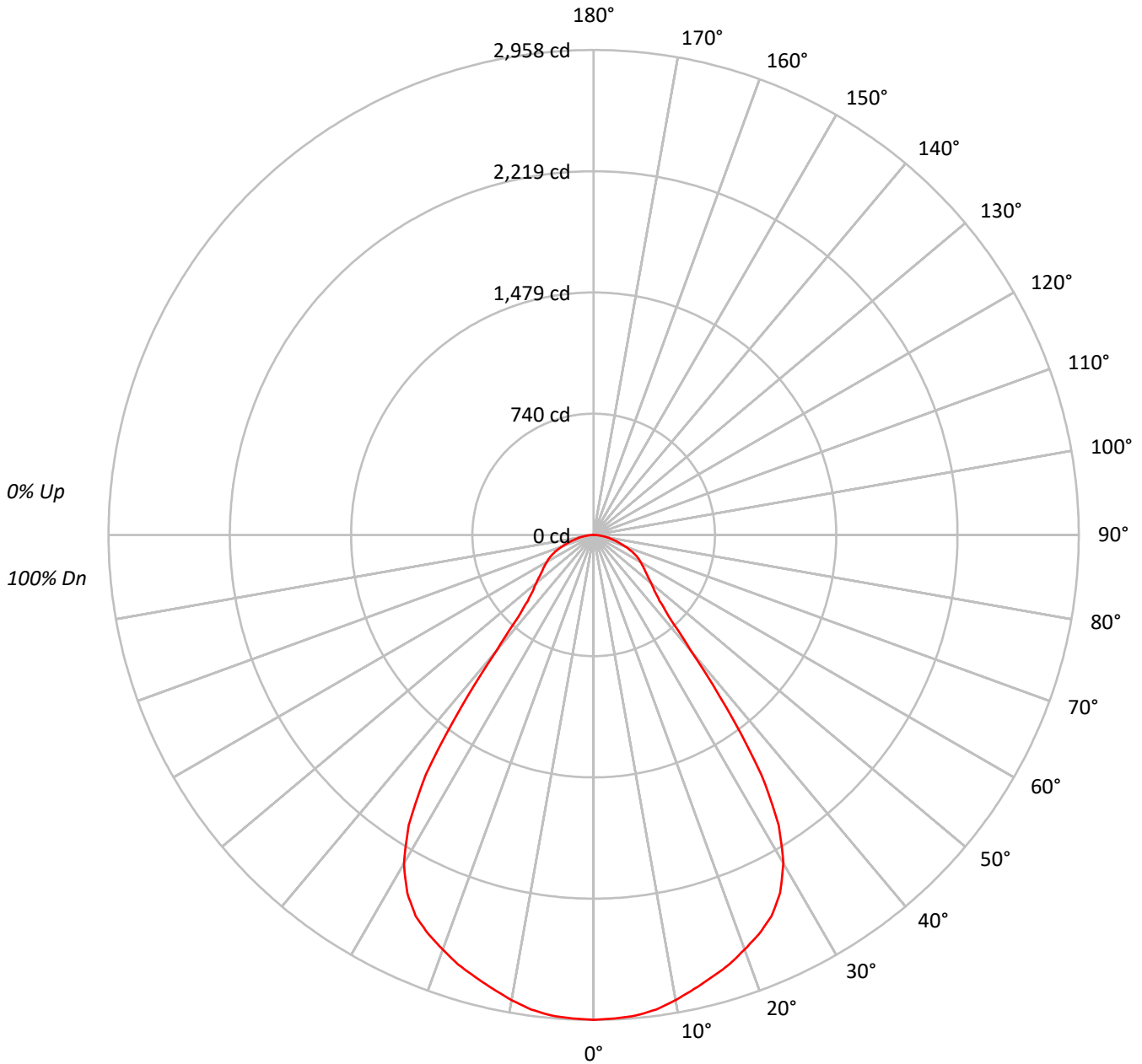
Lumens per Lamp: N/A
Luminaire Lumens: 4562.4 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 41
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: P584604
CATALOG NUMBER: HCC8W40D010MB-HM82555930-81WDW

Luminous Intensity Polar Plot





TEST NUMBER: P584604

CATALOG NUMBER: HCC8W40D010MB-HM82555930-81WDW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	91214
5°	91101
10°	90204
15°	89119
20°	88296
25°	87306
30°	82376
35°	67078
40°	37062
45°	24739
50°	21938
55°	20596
60°	20327
65°	20153
70°	18203
75°	16275
80°	14242
85°	12596



TEST NUMBER: P584604
 CATALOG NUMBER: HCC8W40D010MB-HM82555930-81WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.9	6.1
10°-20°	788.2	17.3
20°-30°	1171.3	25.7
30°-40°	1054.8	23.1
40°-50°	467.6	10.2
50°-60°	346.3	7.6
60°-70°	269.3	5.9
70°-80°	146.0	3.2
80°-90°	40.0	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°	2238.4	49.1
0°-40°	3293.2	72.2
0°-60°	4107.1	90.0
0°-90°	4562.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4562.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2958	
5°	2943	279
15°	2792	788
25°	2566	1171
35°	1782	1055
45°	567	468
55°	383	346
65°	276	269
75°	137	146
85°	36	40
90°	0	



TEST NUMBER: P584604
CATALOG NUMBER: HCC8W40D010MB-HM82555930-81WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2958.0
2.5°	2952.0
5°	2943.1
7.5°	2919.4
10°	2880.8
12.5°	2836.2
15°	2791.6
17.5°	2747.1
20°	2690.7
22.5°	2634.3
25°	2566.0
27.5°	2462.0
30°	2313.5
32.5°	2099.6
35°	1781.9
37.5°	1330.5
40°	920.7
42.5°	680.1
45°	567.3
47.5°	501.9
50°	457.3
52.5°	415.8
55°	383.1
57.5°	356.4
60°	329.6
62.5°	305.9
65°	276.2
67.5°	240.5
70°	201.9
72.5°	169.3
75°	136.6
77.5°	106.9
80°	80.2
82.5°	56.4
85°	35.6
87.5°	14.9
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)