

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: P581537

Luminaire Tested: **HCC4S07D010MW-HM40525950-41WDH**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P581537
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4S07D010MW-HM40525950-41WDH
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

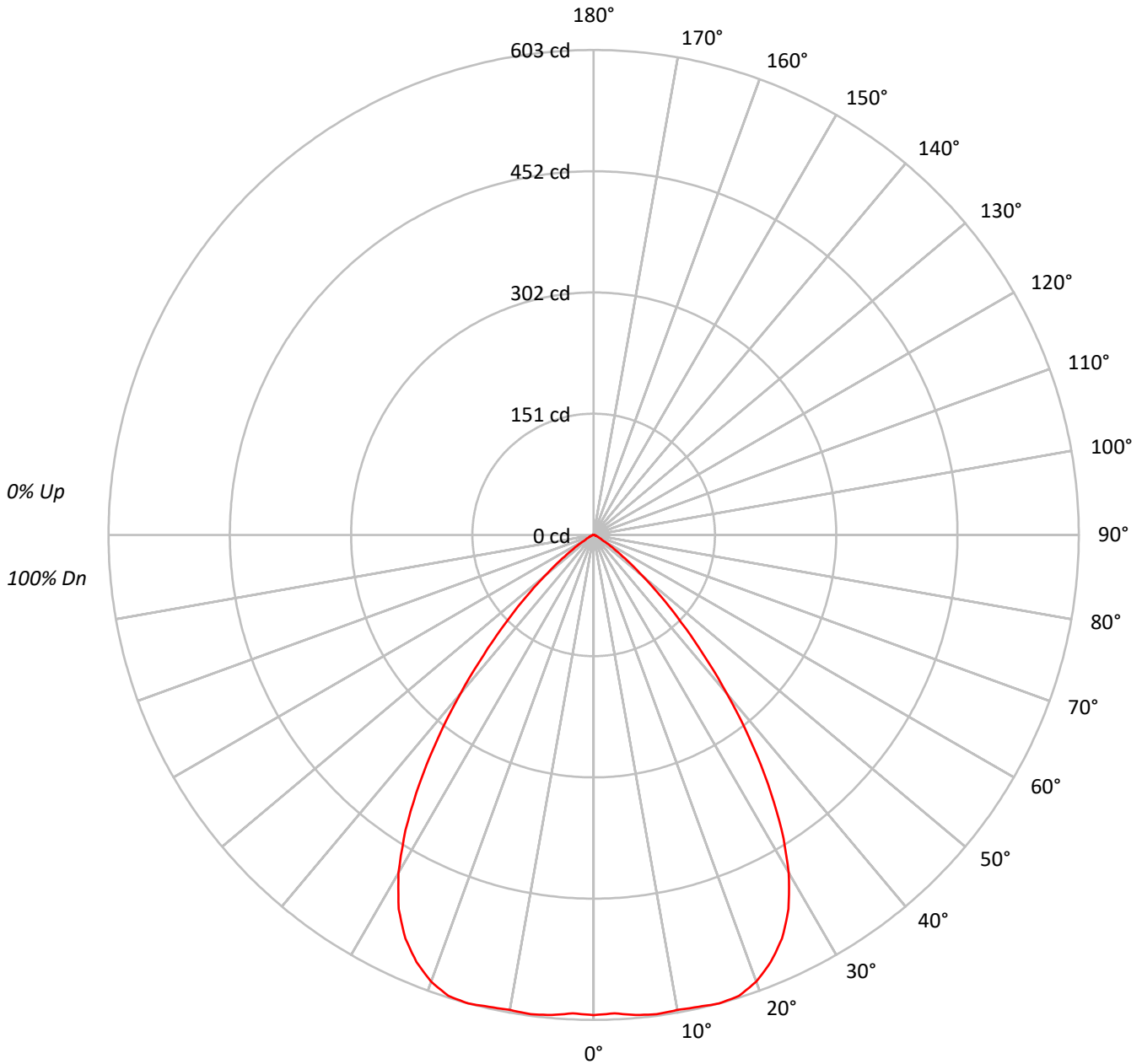
Lumens per Lamp: N/A
Luminaire Lumens: 876.0 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.11
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P581537
CATALOG NUMBER: HCC4S07D010MW-HM40525950-41WDH

Luminous Intensity Polar Plot





TEST NUMBER: P581537
 CATALOG NUMBER: HCC4S07D010MW-HM40525950-41WDH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20									20
RC	80									50									30									10									0									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	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	113	110	107	104	110	108	105	103	103	101	100	100	98	97	96	95	94	92											92																	
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84											84																	
3	100	93	87	82	98	91	86	82	88	84	80	86	82	79	84	81	78	76											76																	
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69											69																	
5	88	79	72	67	86	78	72	67	76	70	66	74	69	66	72	68	65	63											63																	
6	83	73	66	61	81	72	66	61	70	65	61	69	64	60	68	63	60	58											58																	
7	78	68	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	53											53																	
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49											49																	
9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45											45																	
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42											42																	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	73650
5°	74203
10°	75124
15°	77014
20°	77589
25°	75370
30°	69091
35°	56858
40°	41446
45°	26898
50°	15159
55°	7204
60°	2837
65°	1751
70°	1190
75°	763
80°	426
85°	849



TEST NUMBER: P581537
 CATALOG NUMBER: HCC4S07D010MW-HM40525950-41WDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.2	6.5
10°-20°	170.0	19.4
20°-30°	252.2	28.8
30°-40°	232.9	26.6
40°-50°	121.6	13.9
50°-60°	33.3	3.8
60°-70°	6.4	0.7
70°-80°	1.8	0.2
80°-90°	0.4	0.0
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°	479.5	54.7
0°-40°	712.4	81.3
0°-60°	867.4	99.0
0°-90°	876.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	876.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	597	
5°	599	57
15°	603	170
25°	554	252
35°	378	233
45°	154	122
55°	34	33
65°	6	6
75°	2	2
85°	1	0
90°	0	



TEST NUMBER: P581537
CATALOG NUMBER: HCC4S07D010MW-HM40525950-41WDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	597.1
2.5°	595.4
5°	599.3
7.5°	601.0
10°	599.8
12.5°	601.0
15°	603.1
17.5°	601.0
20°	591.1
22.5°	575.1
25°	553.8
27.5°	524.6
30°	485.1
32.5°	435.2
35°	377.6
37.5°	317.2
40°	257.4
42.5°	202.5
45°	154.2
47.5°	113.0
50°	79.0
52.5°	52.7
55°	33.5
57.5°	19.8
60°	11.5
62.5°	8.2
65°	6.0
67.5°	4.4
70°	3.3
72.5°	2.2
75°	1.6
77.5°	1.1
80°	0.6
82.5°	0.6
85°	0.6
87.5°	0.0
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)