

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: P579767

Luminaire Tested: **HCC4S10D010MW-HM40525927-41PSMDW**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P579767
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4S10D010MW-HM40525927-41PSMDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

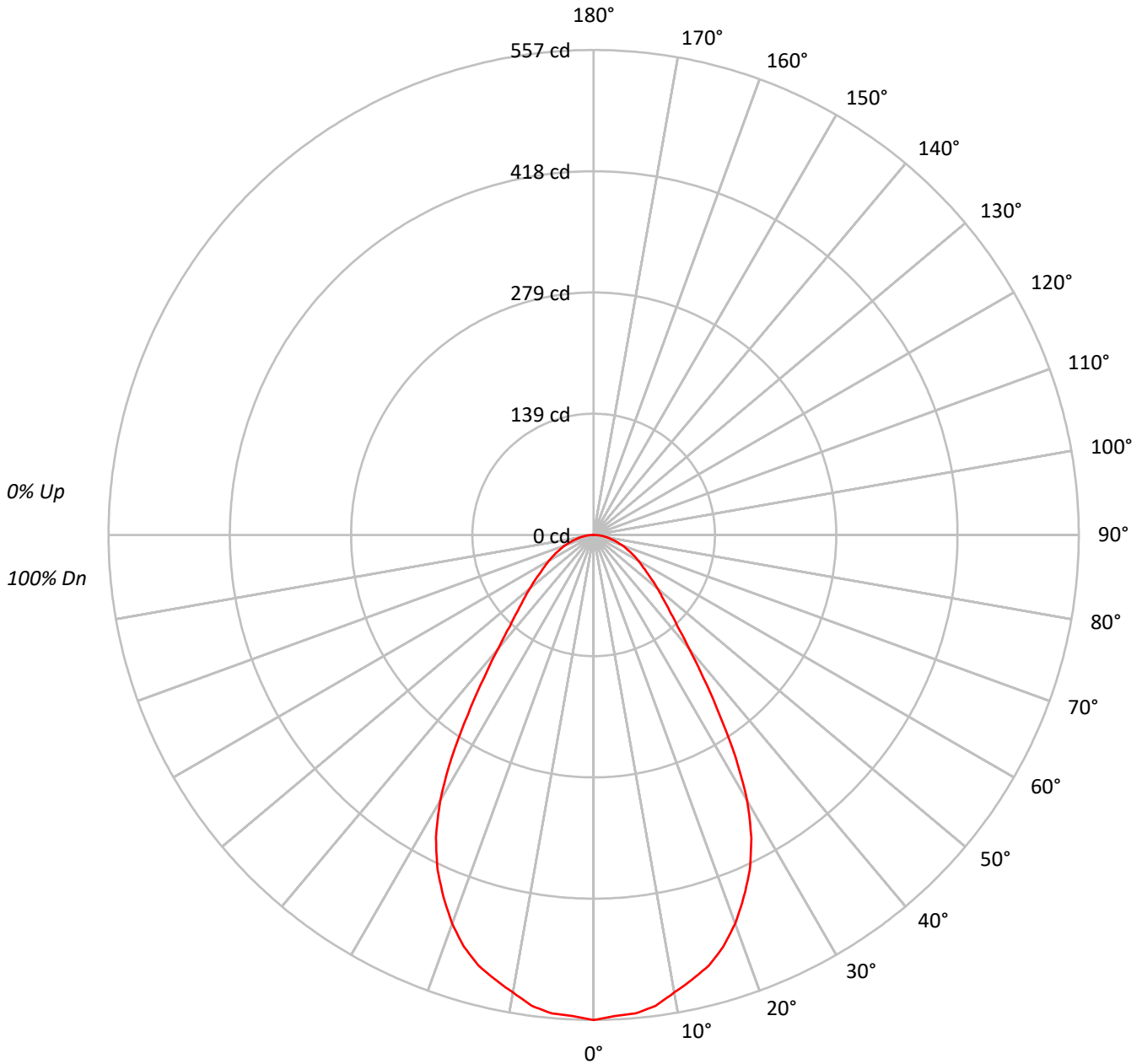
Lumens per Lamp: N/A
Luminaire Lumens: 791.2 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 0.99
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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: P579767
CATALOG NUMBER: HCC4S10D010MW-HM40525927-41PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P579767
 CATALOG NUMBER: HCC4S10D010MW-HM40525927-41PSMDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									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	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	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89																											
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78																											
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70																											
4	90	80	73	68	88	79	72	67	77	71	66	74	69	65	72	68	65	63																											
5	84	74	66	61	82	72	66	60	71	64	60	69	63	59	67	62	59	57																											
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52																											
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47																											
8	70	58	51	46	68	58	51	46	56	50	46	55	50	45	54	49	45	44																											
9	66	54	47	42	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°	68728
5°	68297
10°	66833
15°	65368
20°	62336
25°	57705
30°	50191
35°	37900
40°	27469
45°	21456
50°	18364
55°	15892
60°	14629
65°	13396
70°	12514
75°	11438
80°	10726
85°	10331



TEST NUMBER: P579767
 CATALOG NUMBER: HCC4S10D010MW-HM40525927-41PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	6.6
10°-20°	143.4	18.1
20°-30°	192.8	24.4
30°-40°	158.5	20.0
40°-50°	97.3	12.3
50°-60°	67.4	8.5
60°-70°	46.0	5.8
70°-80°	25.6	3.2
80°-90°	8.1	1.0
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°	388.3	49.1
0°-40°	546.8	69.1
0°-60°	711.5	89.9
0°-90°	791.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	791.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	557	
5°	552	52
15°	512	143
25°	424	193
35°	252	159
45°	123	97
55°	74	67
65°	46	46
75°	24	26
85°	7	8
90°	0	



TEST NUMBER: P579767

CATALOG NUMBER: HCC4S10D010MW-HM40525927-41PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	557.2
2.5°	553.2
5°	551.6
7.5°	545.4
10°	533.6
12.5°	523.0
15°	511.9
17.5°	495.6
20°	474.9
22.5°	450.3
25°	424.0
27.5°	392.2
30°	352.4
32.5°	303.7
35°	251.7
37.5°	207.0
40°	170.6
42.5°	142.6
45°	123.0
47.5°	108.0
50°	95.7
52.5°	84.4
55°	73.9
57.5°	66.0
60°	59.3
62.5°	52.6
65°	45.9
67.5°	40.3
70°	34.7
72.5°	29.1
75°	24.0
77.5°	19.0
80°	15.1
82.5°	11.2
85°	7.3
87.5°	3.9
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)