

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: P579909

Luminaire Tested: **HCC4S15D010MB-HM40525927-41MDW**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P579909
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4S15D010MB-HM40525927-41MDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

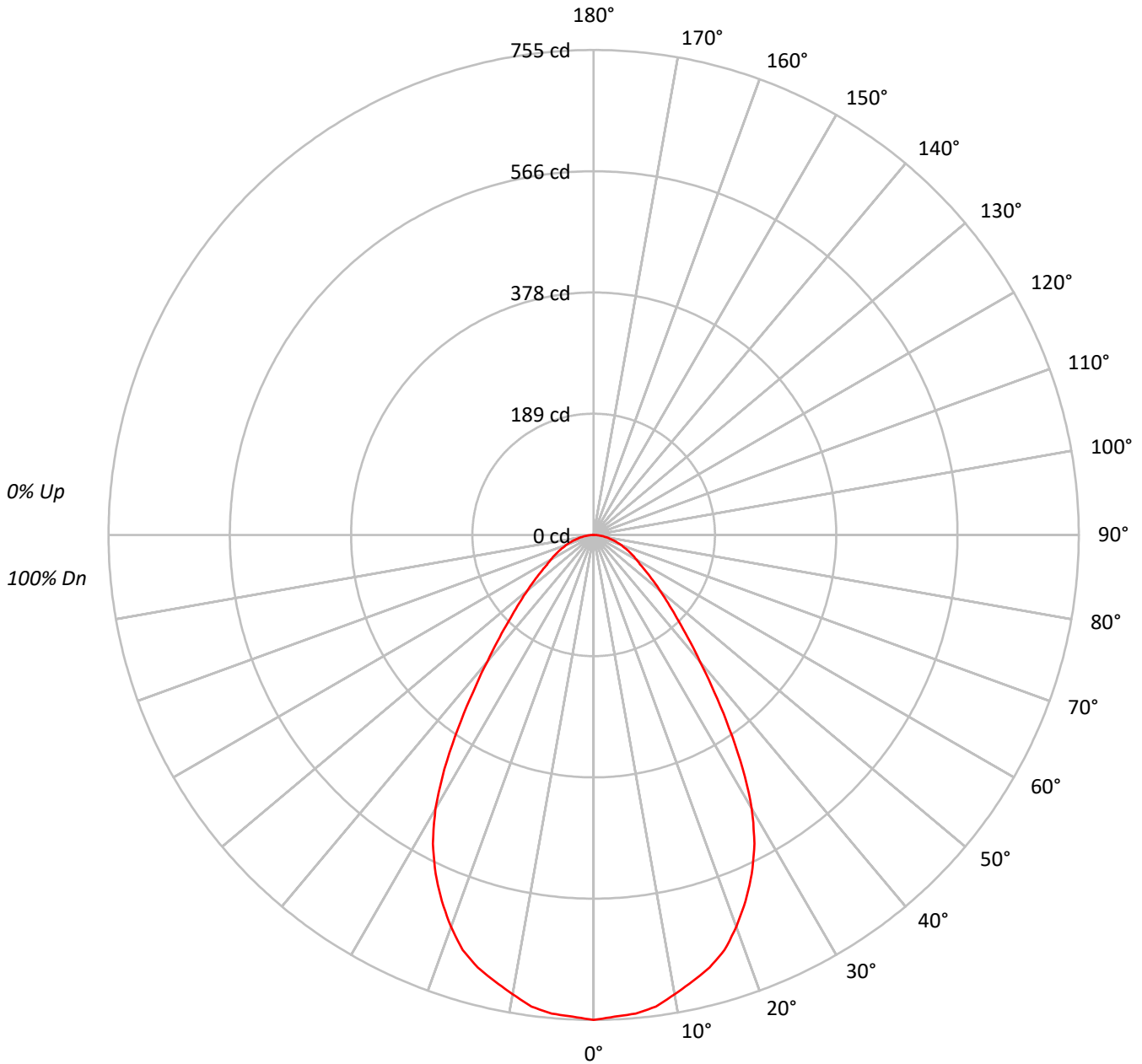
Lumens per Lamp: N/A
Luminaire Lumens: 1098.4 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.01
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 14
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: P579909
CATALOG NUMBER: HCC4S15D010MB-HM40525927-41MDW

Luminous Intensity Polar Plot





TEST NUMBER: P579909

CATALOG NUMBER: HCC4S15D010MB-HM40525927-41MDW

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	97	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	60	55	77	67	60	55	65	59	54	64	58	54	62	57	54	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	46	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	93138
5°	92627
10°	90943
15°	89030
20°	85215
25°	79249
30°	70131
35°	55352
40°	41429
45°	31870
50°	25848
55°	21440
60°	18971
65°	17541
70°	16193
75°	14869
80°	13496
85°	10756



TEST NUMBER: P579909
 CATALOG NUMBER: HCC4S15D010MB-HM40525927-41MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.7	6.4
10°-20°	195.5	17.8
20°-30°	265.5	24.2
30°-40°	230.0	20.9
40°-50°	144.4	13.1
50°-60°	90.8	8.3
60°-70°	59.6	5.4
70°-80°	32.9	3.0
80°-90°	9.0	0.8
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°	531.7	48.4
0°-40°	761.7	69.3
0°-60°	996.9	90.8
0°-90°	1098.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1098.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	755	
5°	748	71
15°	697	196
25°	582	265
35°	368	230
45°	183	144
55°	100	91
65°	60	60
75°	31	33
85°	8	9
90°	0	



TEST NUMBER: P579909
CATALOG NUMBER: HCC4S15D010MB-HM40525927-41MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	755.1
2.5°	750.5
5°	748.1
7.5°	740.6
10°	726.1
12.5°	711.6
15°	697.2
17.5°	677.4
20°	649.2
22.5°	617.3
25°	582.3
27.5°	541.9
30°	492.4
32.5°	432.3
35°	367.6
37.5°	308.2
40°	257.3
42.5°	216.9
45°	182.7
47.5°	156.8
50°	134.7
52.5°	115.7
55°	99.7
57.5°	86.0
60°	76.9
62.5°	68.4
65°	60.1
67.5°	51.7
70°	44.9
72.5°	37.3
75°	31.2
77.5°	24.3
80°	19.0
82.5°	13.0
85°	7.6
87.5°	3.1
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)