

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: P579840

Luminaire Tested: **HCC4S15D010MW-HM40525827-41WDW**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P579840
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4S15D010MW-HM40525827-41WDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

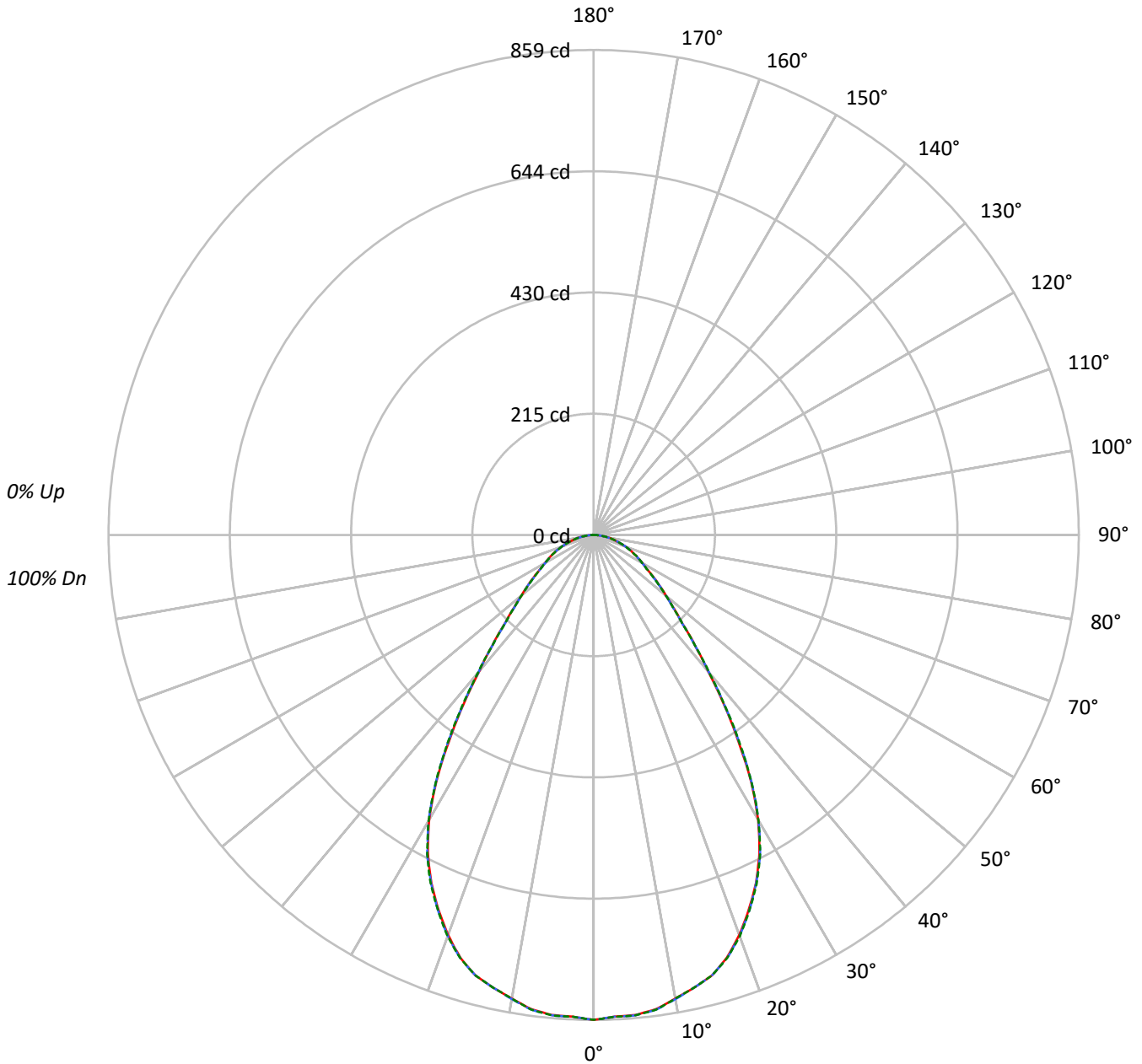
Lumens per Lamp: N/A
Luminaire Lumens: 1324.9 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.07 / 1.04
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P579840
CATALOG NUMBER: HCC4S15D010MW-HM40525827-41WDW

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
 1121 Highway 74 South
 Peachtree City, GA 30269



TEST NUMBER: P579840

CATALOG NUMBER: HCC4S15D010MW-HM40525827-41WDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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	108	105	102	99	101	98	96	97	95	93	94	92	90	89																			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78																			
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69																			
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62																			
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56																			
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51																			
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46																			
8	69	57	50	45	68	57	50	45	55	49	45	54	49	44	53	48	44	42																			
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39																			
10	61	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	105929	105929	105929
5°	105665	105764	105764
10°	104445	104545	104445
15°	103192	103192	103192
20°	98945	99194	99286
25°	92546	92668	92913
30°	82935	83192	83192
35°	67338	67865	68001
40°	50817	51090	51235
45°	38917	38777	38777
50°	32065	31892	31892
55°	27526	27332	27332
60°	24570	24348	24348
65°	23086	23086	23086
70°	21494	21494	21494
75°	19492	19873	19492
80°	18326	17687	18326
85°	15143	15143	15143



TEST NUMBER: P579840

CATALOG NUMBER: HCC4S15D010MW-HM40525827-41WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.9	6.1
10°-20°	226.4	17.1
20°-30°	311.1	23.5
30°-40°	279.8	21.1
40°-50°	176.8	13.3
50°-60°	115.4	8.7
60°-70°	78.2	5.9
70°-80°	44.0	3.3
80°-90°	12.3	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°	618.5	46.7
0°-40°	898.2	67.8
0°-60°	1190.4	89.8
0°-90°	1324.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1324.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	859	859	859	859	859	
5°	853	853	854	854	854	81
15°	808	808	808	808	808	226
25°	680	681	681	683	683	310
35°	447	449	451	452	452	278
45°	223	222	222	222	222	177
55°	128	128	127	128	127	116
65°	79	79	79	79	79	78
75°	41	42	42	42	41	44
85°	11	11	11	11	11	12
90°	0	0	0	0	0	



TEST NUMBER: P579840

CATALOG NUMBER: HCC4S15D010MW-HM40525827-41WDW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	858.8	858.8	858.8	858.8	858.8
2.5°	854.2	854.2	854.2	854.2	854.2
5°	853.4	853.4	854.2	854.2	854.2
7.5°	847.2	848.1	848.1	848.1	848.1
10°	833.9	833.9	834.7	834.7	833.9
12.5°	821.4	821.4	821.4	822.3	821.4
15°	808.1	808.1	808.1	808.1	808.1
17.5°	785.0	785.8	785.8	785.8	785.8
20°	753.8	755.7	755.7	756.4	756.4
22.5°	718.2	719.2	720.1	721.0	720.1
25°	680.0	680.9	680.9	682.7	682.7
27.5°	635.6	636.5	638.3	638.3	638.3
30°	582.3	583.2	584.1	584.1	584.1
32.5°	519.2	519.2	521.0	521.8	521.0
35°	447.2	448.9	450.7	452.5	451.6
37.5°	378.7	380.4	381.3	381.3	382.3
40°	315.6	317.3	317.3	319.2	318.2
42.5°	265.8	264.9	264.9	266.6	265.8
45°	223.1	222.3	222.3	222.3	222.3
47.5°	192.0	191.1	191.1	191.1	191.1
50°	167.1	166.2	166.2	166.2	166.2
52.5°	146.7	145.8	145.8	145.8	144.9
55°	128.0	128.0	127.1	128.0	127.1
57.5°	111.1	111.1	111.1	111.1	111.1
60°	99.6	98.7	98.7	98.7	98.7
62.5°	88.9	88.9	88.9	88.9	88.9
65°	79.1	79.1	79.1	79.1	79.1
67.5°	69.4	68.4	69.4	69.4	68.4
70°	59.6	58.7	59.6	59.6	59.6
72.5°	49.8	49.8	49.8	50.7	49.8
75°	40.9	41.7	41.7	41.7	40.9
77.5°	32.9	33.8	32.9	32.9	32.9
80°	25.8	24.9	24.9	24.9	25.8
82.5°	17.7	17.7	17.7	17.7	17.7
85°	10.7	10.7	10.7	10.7	10.7
87.5°	4.4	4.4	4.4	4.4	4.4
90°	0.0	0.0	0.0	0.0	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° - - 45°-225° - - - - 90°-270°

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)