

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: P579948

Luminaire Tested: **HCC4S15D010MB-HM40525935-41WDW**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P579948
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: HCC4S15D010MB-HM40525935-41WDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

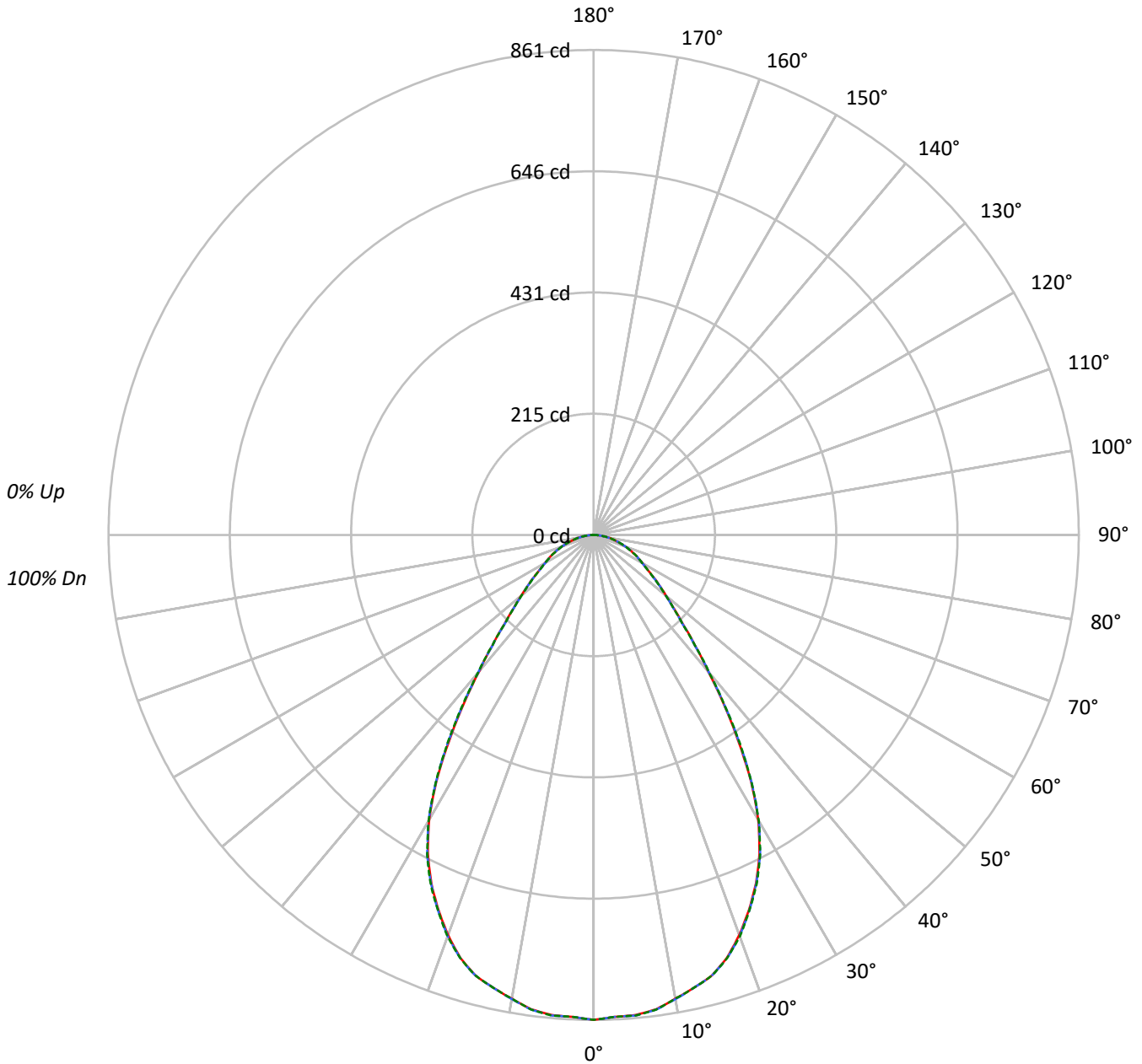
Lumens per Lamp: N/A
Luminaire Lumens: 1328.4 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.07 / 1.04
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P579948
CATALOG NUMBER: HCC4S15D010MB-HM40525935-41WDW

Luminous Intensity Polar Plot





TEST NUMBER: P579948

CATALOG NUMBER: HCC4S15D010MB-HM40525935-41WDW

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
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89			89
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			78
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			69
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62			62
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56			56
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51			51
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46			46
8	69	57	50	45	68	57	50	45	55	49	45	54	49	44	53	48	44	42			42
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39			39
10	61	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36			36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	106188	106188	106188
5°	105938	106049	106049
10°	104708	104820	104708
15°	103460	103460	103460
20°	99208	99444	99562
25°	92804	92927	93158
30°	83149	83405	83405
35°	67504	68031	68181
40°	50946	51235	51364
45°	39039	38882	38882
50°	32161	31988	31988
55°	27612	27418	27418
60°	24620	24398	24398
65°	23174	23174	23174
70°	21530	21530	21530
75°	19539	19921	19539
80°	18326	17687	18326
85°	15143	15143	15143



TEST NUMBER: P579948
 CATALOG NUMBER: HCC4S15D010MB-HM40525935-41WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.1	6.1
10°-20°	227.0	17.1
20°-30°	311.9	23.5
30°-40°	280.5	21.1
40°-50°	177.2	13.3
50°-60°	115.7	8.7
60°-70°	78.4	5.9
70°-80°	44.1	3.3
80°-90°	12.4	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°	620.1	46.7
0°-40°	900.6	67.8
0°-60°	1193.5	89.8
0°-90°	1328.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1328.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	861	861	861	861	861	
5°	856	856	856	856	856	81
15°	810	810	810	810	810	227
25°	682	683	683	684	684	311
35°	448	450	452	454	453	279
45°	224	223	223	223	223	177
55°	128	128	128	128	128	116
65°	79	79	79	79	79	79
75°	41	42	42	42	41	44
85°	11	11	11	11	11	12
90°	0	0	0	0	0	



TEST NUMBER: P579948

CATALOG NUMBER: HCC4S15D010MB-HM40525935-41WDW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	860.9	860.9	860.9	860.9	860.9
2.5°	856.5	856.5	856.5	856.5	856.5
5°	855.6	855.6	856.5	856.5	856.5
7.5°	849.5	850.2	850.2	850.2	850.2
10°	836.0	836.0	836.9	836.9	836.0
12.5°	823.5	823.5	823.5	824.4	823.5
15°	810.2	810.2	810.2	810.2	810.2
17.5°	787.0	787.9	787.9	787.9	787.9
20°	755.8	757.6	757.6	758.5	758.5
22.5°	720.2	721.1	722.0	722.8	722.0
25°	681.9	682.8	682.8	684.5	684.5
27.5°	637.3	638.2	639.9	639.9	639.9
30°	583.8	584.6	585.6	585.6	585.6
32.5°	520.5	520.5	522.3	523.1	522.3
35°	448.3	450.1	451.8	453.7	452.8
37.5°	379.6	381.5	382.4	382.4	383.3
40°	316.4	318.2	318.2	320.0	319.0
42.5°	266.5	265.6	265.6	267.4	266.5
45°	223.8	222.9	222.9	222.9	222.9
47.5°	192.5	191.6	191.6	191.6	191.6
50°	167.6	166.7	166.7	166.7	166.7
52.5°	147.0	146.2	146.2	146.2	145.3
55°	128.4	128.4	127.5	128.4	127.5
57.5°	111.4	111.4	111.4	111.4	111.4
60°	99.8	98.9	98.9	98.9	98.9
62.5°	89.1	89.1	89.1	89.1	89.1
65°	79.4	79.4	79.4	79.4	79.4
67.5°	69.5	68.7	69.5	69.5	68.7
70°	59.7	58.8	59.7	59.7	59.7
72.5°	49.9	49.9	49.9	50.8	49.9
75°	41.0	41.8	41.8	41.8	41.0
77.5°	33.0	33.9	33.0	33.0	33.0
80°	25.8	24.9	24.9	24.9	25.8
82.5°	17.9	17.9	17.9	17.9	17.9
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)